

**Battery Council
International™**



BATTERY REPLACEMENT DATA BOOK

**2013
EDITION**

Supersedes 2012 Edition

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SAFETY FIRST!

**EXPLOSION WARNING:
BATTERIES CAN EXPLODE!**



⚠ DANGER/POISON			
SHIELD EYES. EXPLOSIVE GASES CAN CAUSE BLINDNESS OR INJURY.	NO • SPARKS • FLAMES • SMOKING	SULFURIC ACID CAN CAUSE BLINDNESS OR SEVERE BURNS.	FLUSH EYES IMMEDIATELY WITH WATER. GET MEDICAL HELP FAST.
KEEP OUT OF THE REACH OF CHILDREN	READ INSTRUCTIONS	DO NOT TIP OR OPEN.	

*Comprehensive electronic
application data available at*
www.SourceBCI.com

13FZ3F0HME13

Vehicle data for 2013–1994:

**PASSENGER CARS &
LIGHT TRUCKS**

TRUCKS

FARM EQUIPMENT

MOTORCYCLES/SCOOTERS

ATVs

UTILITY VEHICLES

PERSONAL WATERCRAFT

SNOWMOBILES

**LAWN & GARDEN
EQUIPMENT, TRACTORS/
SMALL ENGINE**

2013 BATTERY REPLACEMENT DATA BOOK

COLD CRANKING PERFORMANCE @ 0°F is a rating used to describe battery highrate discharge capability at low temperature. It is the discharge load in amperes that a new, fully charged battery at 0°F (-18°C) can continuously deliver for 30 seconds and maintain a terminal voltage equal to or higher than 1.20 volts per cell. This is the battery rating listed under the heading CCA (0° F) recommended by MOST vehicle manufacturers for use on each vehicle listed in this book. Sometimes a battery may have to provide power for ignition and lighting in the event of failure in the vehicle's electricity generating system. The following definition defines this capability:

RESERVE CAPACITY is defined as the number of minutes which a new, fully charged battery at 80°F (27°C) can be continuously discharged at 25 amperes and maintain a terminal voltage equal to or higher than 1.75 volts per cell.

PERFORMANCE RANGES listed in the tables of pages 11 through 14 are suggested, based on battery performances normally available. They are provided as a reference only, and are not intended to cover all batteries produced.

EXPLOSION WARNINGS



DANGER EXPLOSIVE GASES	Cigarettes, flames, or sparks could cause battery to explode. Always shield eyes and face from battery. Do not charge or use booster cables or adjust post connections without proper instruction and training. KEEP VENT CAPS TIGHT AND LEVEL
POISON CAUSES SEVERE BURNS	Contains sulfuric acid. Avoid contact with skin, eyes, or clothing. In event of accident flush with water and call a physician immediately. KEEP OUT OF REACH OF CHILDREN

Both the graphic and the written messages are in compliance with Rule #16 CFR Part 1500, for use on lead-acid batteries and acid packages under 5 gallons. Either may be used at the discretion of the manufacturer or distributor.

HEAT SHIELD — CAUTION

Protective heat shields around batteries are being used with increasing frequency to protect the battery from very high under-hood temperatures. Failure to replace the heat shield after installation of a replacement battery may reduce its electrical performance and/or life.

OLD MODEL VEHICLES — WARNING

Recommendations in this data book assume that modifications affecting battery position have not been made to a vehicle. To avoid possible injury and damage, installers should check that the terminals do not touch compartment walls, holddowns, trays, heat shields, or other metal objects when the hood compartment is closed.

DISCLAIMER

The replacement battery information in this data book has been obtained from the equipment manufacturers listed, except as otherwise noted. Users are cautioned that the information in this book was the most current information provided to BCI at the time of publication. However, the information is subject to change upon notice from equipment manufacturers or field experience. Therefore, users should use the most current edition of the Battery Replacement Data Book. The Battery Council International and its members, hereafter called BCI, expressly deny any responsibility for the accuracy of the information provided to BCI. While BCI has made every effort to accurately catalog the replacement battery information in this book, BCI disclaims any warranties, expressed or implied, for its accuracy. BCI also denies any liability for damages as a consequence of using the information in this book. Users should also attempt to obtain replacement battery information from the equipment manufacturer's user manual or service department for their specific application.

BEST-FIT ESTIMATE

Some equipment manufacturers do not provide complete replacement battery information to BCI. BCI estimates a replacement battery size to give some guidance to the Battery Replacement Data Book user. However, the user is cautioned that the size stated is an estimate only, and the user should obtain specific replacement battery size information from the equipment manufacturers.

COLD CRANKING PERFORMANCE @ 0°F RATINGS IN APPLICATION SECTION

The Cold Cranking Performance ratings listed in the application section of the text, unless otherwise noted, are those of the O.E. or O.E.S. battery(s) provided in each motor vehicle. **THERE IS NO WARRANTY LEVEL OR BATTERY LIFE EXPECTANCY EXPRESSED OR IMPLIED BY THESE VALUES.**

2013 BATTERY REPLACEMENT DATA BOOK

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**New for the 2013 BCI Battery Replacement Data Book – All content is available at
WWW.SourceBCI.com**

The BCI Data Catalog program conforms to the AAIA - ACES cataloging requirements.

The entire data base is now available at WWW.SourceBCI.com in a searchable database. Please go to the website, use the subscription code printed on the front of this Data Book, and register with your name, user name, password and email address.

WHERE TO FIND WHAT

The following chart provides locations of the various applications provided by BCI's Replacement Data.

<u>Applications</u>	<u>Printed Data Book</u>	<u>WWW.SourceBCI.com</u>
Passenger Cars, Light Trucks, Vans & Mini Vans	1994 - 2013	All Years
Trucks, Buses and Coaches	1994 - 2013	All Years
Farm Equipment	1994 - 2013	All Years
Industrial Off-Road & Miscellaneous Equipment		All Years
Lawn and Garden	1994 - 2013	All Years
Powersport Applications	1994 - 2013	All Years
Power Scrubbers & Aerial Lifts		All Years
Footnotes and Order Forms	1994 - 2013	All Years

Note: The Battery Replacement Data Book contains references for 20 years (1994-2013). WWW.SourceBCI.com includes all years and additional information on vintage vehicles and other important data. WWW.SourceBCI.com is accessible through subscription which is free in 2013. Beginning in 2014, this catalog will only be available on-line. We invite all of our users to contact us at www.batteryCouncil.org with suggestions for changes and improvements to the Data Book.

The information contained herein is BCI's "best estimate" of the applications for these various products. BCI, its officers, members, directors, agents and staff expressly deny any responsibility for the accuracy of the information provided. For specific questions, please contact your service provider, dealer or manufacturer. BCI disclaims any warranty expressed or implied for its accuracy. BCI further denies any liability for damages as a consequence of using this information. Copyright 2013, Battery Council International, Inc., all rights reserved.

SAFETY FIRST



DANGER EXPLOSIVE GASES	Cigarettes, flames or sparks could cause battery to explode. Always shield eyes and face from battery. Do not charge or use booster cables or adjust post connections without proper instruction and training. KEEP VENT CAPS TIGHT AND LEVEL
POISON CAUSES SEVERE BURNS	Contains sulfuric acid. Avoid contact with skin, eyes or clothing. In event of accident flush with water and call a physician immediately. KEEP OUT OF REACH OF CHILDREN

DANGER OF EXPLODING BATTERIES

Batteries contain sulfuric acid and produce explosive mixtures of hydrogen and oxygen. Because self-discharge action generates hydrogen gas even when the battery is not in operation, make sure batteries are stored and worked on in a well-ventilated area. **ALWAYS** wear safety glasses and a face shield when working on or near batteries. When working with batteries:

- * **Always wear proper eye, face, and hand protection.**
- * Keep all sparks, flames, and cigarettes away from the battery.
- * **Do not remove or damage vent caps.**
- * Make sure work area is well ventilated.
- * **Never lean over battery** while boosting, testing, or charging.

SAFE BATTERY INSTALLATION

To assure safe installation and proper operation, follow these installation procedures:

- * **Disconnect ground cable first** (this is usually the negative cable; however, older vehicles may have a positive ground).
- * Remove battery — note position of positive (+) and negative (–) terminals. **Mark the cables for correct connection to replacement battery.**
- * Clean terminals and cable connections with a wire brush. Broken connections and frayed or cut cables should be replaced.
- * Install the replacement battery in the same position as the old one. **Secure battery with the holddown assembly.**
- * Make sure the terminals do not touch any metal mounting, engine, or body parts.
- * Connect cables tightly. **Connect ground cable last to avoid sparks.**

SAFE CHARGING

Before beginning the charging operation, read the instructions that come with the charger. **Never attempt to charge a battery without first reviewing the instructions for the charger being used.** In addition to the charger manufacturer's instructions, these general precautions should be followed:

- * Always charge batteries in a well-ventilated area and **wear proper eye protection.**
- * Turn the charger and timer "OFF" before connecting the leads to the battery **to avoid dangerous sparks.**
- * Never try to charge a visibly damaged or frozen battery.
- * Connect the charger leads to the battery; red positive (+) lead to the positive (+) terminal and black negative (–) lead to the negative (–) terminal. If the battery is still in the vehicle, connect the negative lead to the engine block to serve as a ground. (If the vehicle is positive grounded, connect the positive lead to the engine block.)
- * Make sure that the leads to the connections are tight.
- * Set the timer, turn the charger on, and slowly increase the charging rate until the desired ampere value is reached.
- * If the battery becomes hot or if violent gassing or spewing of electrolyte occurs, reduce the charging rate or temporarily discontinue the charge.
- * Always turn the charger "OFF" before removing charger leads from the battery **to avoid dangerous sparks.**

SAFE HANDLING OF BATTERY ACID

Battery acid, or electrolyte, is a solution of sulfuric acid and water that can destroy clothing and burn the skin. Use extreme caution when handling electrolyte and keep an acid-neutralizing solution — such as baking soda or household ammonia mixed with water — readily available. When handling battery acid:

- * **Always wear proper eye, face, and hand protection.**
- * If the electrolyte is splashed into an eye, immediately force the eye open and flood it with clean, cool water for at least 15 minutes. Get prompt medical attention.
- * If electrolyte is taken internally, drink large quantities of water or milk. **DO NOT** induce vomiting. Call a physician immediately.
- * Neutralize any electrolyte that spills on a vehicle or in the work area with baking soda. After neutralizing, rinse the contaminated area clean with water.

To prepare electrolyte of a desired specific gravity, always pour the concentrated acid slowly into the water; **DO NOT pour water into the acid**. Always stir the water while adding small amounts of acid. If noticeable heat develops, allow the solution to cool before continuing to add acid.

CALIFORNIA PROPOSITION 65 WARNING

- * Batteries, battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm.
- * Batteries also contain other chemicals known to the State of California to cause cancer.
- * **WASH HANDS AFTER HANDLING!**

EXPLANATION OF DATA

The Data Book is intended to assist the battery aftermarket in the orderly marketing of batteries, for which there is a substantial demand.

Batteries are classified into numbered Group Sizes according to their voltage, maximum overall dimensions, terminal arrangement, and special features that affect battery fit.

BCI GROUP NUMBERS, DIMENSIONAL SPECIFICATIONS AND RATINGS

Current BCI Group Size Numbers are defined in the tables on pages 12 through 17. The approximate Cold Cranking Performance Range represents the battery performances commonly available in the aftermarket. Each Group Size is listed once and is classified according to the prevailing replacement application for batteries in that Group Size. To determine the correct battery for purchase and installation, refer to the Cold Cranking Performance shown for the specific make, model, or year listed in the application section.

BCI ASSEMBLY NUMBERS, CELL LAYOUTS, HOLDDOWNS, AND TERMINALS

Numbered sketches (Assembly Figure Numbers) shown under this heading, on pages 7 through 9, illustrate the various terminal arrangements and several typical terminal designs.

APPLICATION SECTION

This section lists the Group Size and Cold Cranking (CCA) Performance ratings of the Original Equipment battery or batteries provided in each motor vehicle listed. Where Original Equipment (O.E.) CCA is not available, Original Equipment Service (O.E.S.) will be used.

These application information is shown under the following categories:

Passenger Cars and Light Trucks	Lawn & Garden Tractors	POWERSPORT - ATV
Trucks	POWERSPORT - Motorcycle	POWERSPORT - Personal Watercraft
Farm Equipment	POWERSPORT - Utility Vehicle	POWERSPORT - Snowmobile

There is 20-year coverage given for Passenger Cars, Light Trucks & Vans, 25-year coverage for Truck and Farm Equipment and 30-year coverage for PowerSport and Lawn & Garden Equipment.

How to use the Application Section

The manufacturers are arranged alphabetically and an APPLICATION SECTION index is listed on page 3. For Passenger Cars, Light Trucks & Vans, the applications are listed by year and engine size, whereas the remaining vehicles and equipment are listed by model and/or engine numbers. You should determine the following facts in order to assure the proper replacement battery:

- 1 — Locate the desired manufacturer.
- 2 — Determine the year and/or model.
- 3 — Select the correct model or engine.
- 4 — Read across for the BCI Group Number and Original Equipment Cold Cranking Performance.

Whenever a battery Group Number is followed by another Group Number, this indicates a substitute battery, not an exact replacement for the Original Equipment battery. This substitute information is listed only with the approval of the vehicle manufacturer.

Example: 24 or 24F

When more than one battery is required, this is indicated by the number in parentheses following the Group Number.

Example: 31T⁽²⁾, 31T⁽³⁾, 31T⁽⁴⁾

Regarding the terms "Optional" and "All optional"

Example: 2011 V8 5.0L	58	540
Optional	65	650
V8 5.8L	65	650
All optional	65	850

The Group Number 58 with a 540 Cold Cranking Performance is standard equipment on the V8 5.0L. Group 65 with a 650 Cold Cranking Performance is available as an option on the V-8 5.0L and as standard equipment on the V8 5.8L. Group 65 with a 850 Cold Cranking Performance is available as an option on all engines listed under the year 1990.

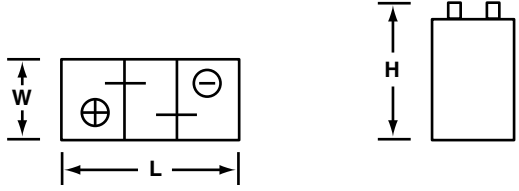
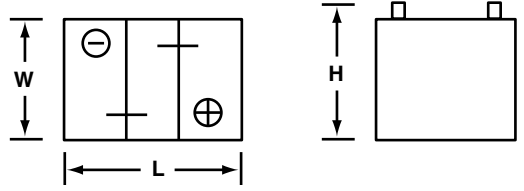
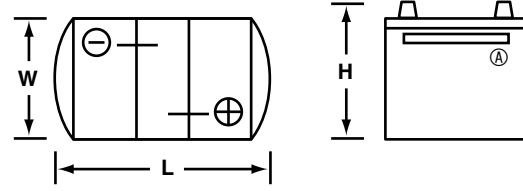
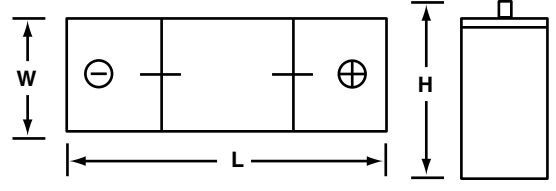
Note: The fact that an optional battery is listed for a particular vehicle does not guarantee that the vehicle will accept the option. For example: The 1990 vehicle listed above could come from the factory with a battery tray large enough only for a Group 58 or it could have a tray which would accept either a Group 58 or a Group 65. **Please observe and carefully note all footnote symbols.**

ABBREVIATIONS

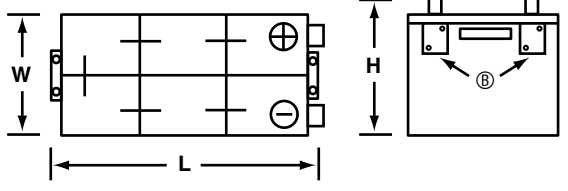
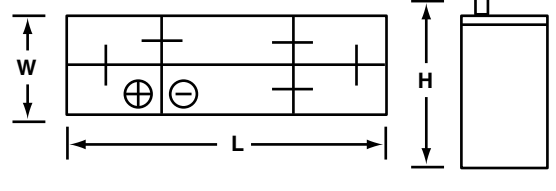
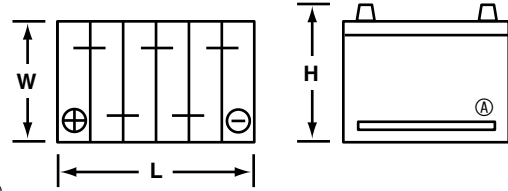
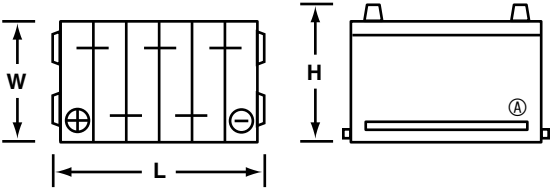
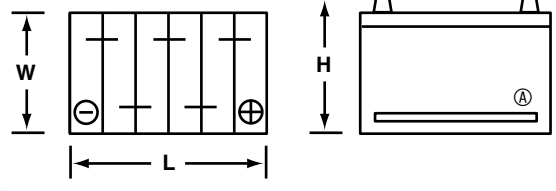
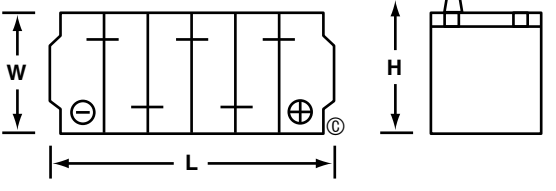
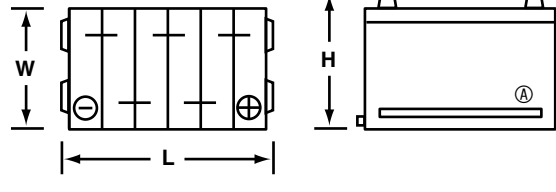
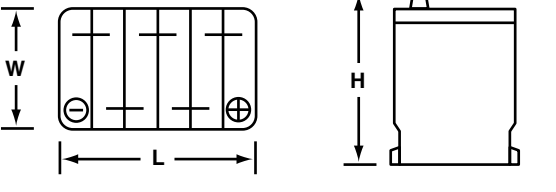
AC	-Air Conditioning	elec.	-electric	O.E.	-Original Equipment
A-C	-Allis-Chalmers	eng.	-engine	O.E.S.	-Original Equipment Service
AGM	-Absorbed Glass Mat	ex.	-except	OHC	-Overhead Cam
Ah	-Amp-hour	Fed.	-Federal	OHV	-Overhead Valve
Amp	-Ampere	Fig.	-Figure	opt.	-optional
Alt.	-Altitude	FI	-Fuel Injection	Pkg.	-package
AT	-Automatic Transmission	Fla.	-Florida	PS	-Power Steering
ATV	-All Terrain Vehicle	FWD	-Front-Wheel Drive	PTO	-Power Take Off
BCI	-Battery Council International	gen	-generator	PWC	-Personal Watercraft
Calif.	-California	GM	-General Motors	RWD	-Rear-Wheel Drive
Can.	-Canada	GSE	-Gas Starting Engine	SC	-Supercharged
carb.	-carburetor	HBL	-Heated Back Light (rear window defrost)	SEO	-Special Electrical Option
CAT.	-Caterpillar	H.D.	-Heavy Duty	SGB	-Sound Guard Body
cc	-cubic centimeter	H.O.	-High Output	SHO	-Super High Output
CCA	-Cold Cranking Amps (0°F)	HP	-Horsepower	SOHC	-Single Overhead Cam
CFI	-Central Fuel Injection	HSC	-High Swirl Combustion	std.	-standard
comp.	-compression	HWS	-Heated Windshield	SULEV	-Super Ultra Low Emissions Vehicle
Cont.	-Continental	IHC	-International Harvester Co.	TBI	-Throttle Body Injection
Conv.	-Convertible	ind.	-industrial	TDI	-Turbo Diesel Injection
CVT	-Continuously Variable Transmission	JIS	-Japanese Industrial Standard	U.S.	-United States
cyl.	-cylinder	JD	-John Deere	V	-Venturi
DD	-Detroit Diesel	L	-Liter	VRLA	-Valve Regulated Lead Acid
DES	-Direct Electric Start	LPG	-Liquified Petroleum Gas	2V	-2 Venturi
DIN	-Deutsche Industrie Normen	Mex.	-Mexico	w/	-with
DOHC	-Dual Overhead Cam	MFI	-Multi-Port Fuel Injection	w/o	-without
EFI	-Electronic Fuel Injection	MT	-Manual Transmission	Wisc.	-Wisconsin
EN	-European Norm	N/A	-Not Available	WS	-With Sensor
ETR	-Electronic Tuning Radio	No.	-Number	2WD	-2-Wheel Drive
				4WD	-4-Wheel Drive

BCI ASSEMBLY NUMBERS, CELL LAYOUTS, HOLDDOWNS AND POLARITY

6-VOLT ASSEMBLIES — TERMINAL POSITIONS & CELL LAYOUTS

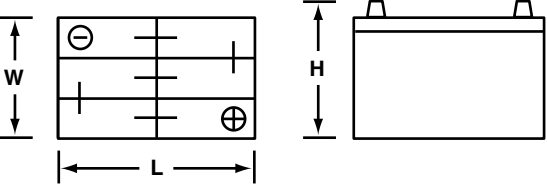
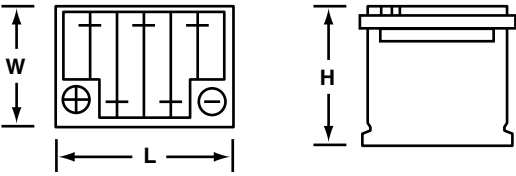
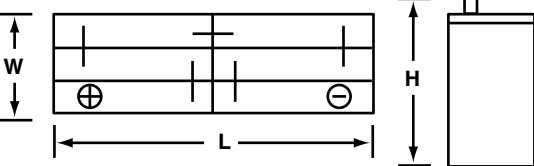
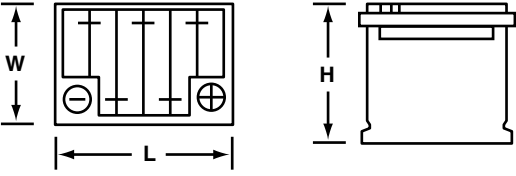
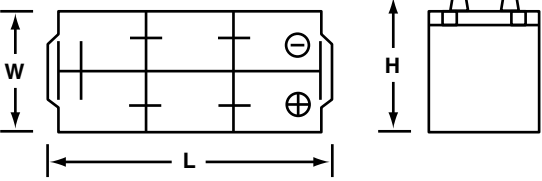
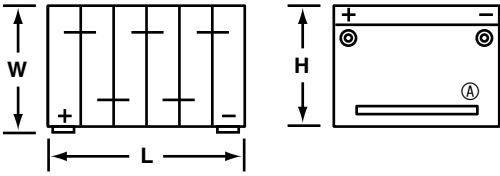
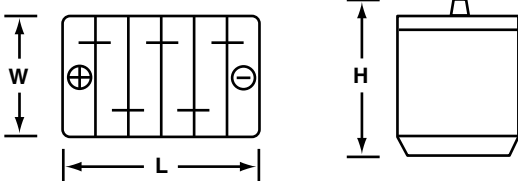
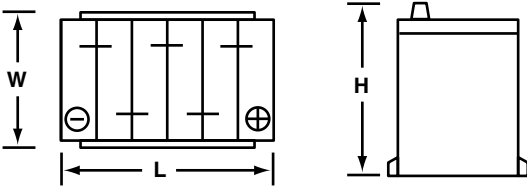
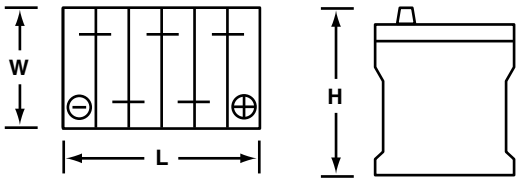
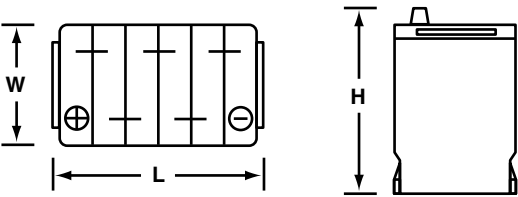
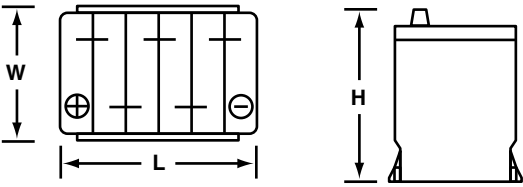
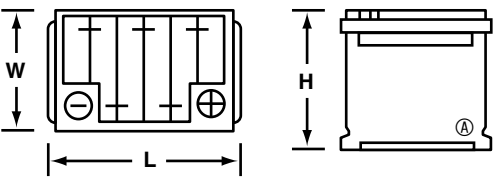
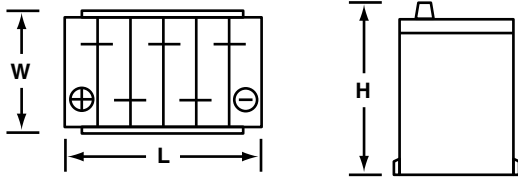
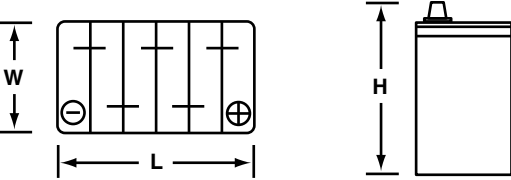
<p>2N</p>  <p>FIG. 1</p>	 <p>FIG. 2</p> <p>1 2 3 4 5D 7D 19L</p>
<p>17HF</p>  <p>FIG. 2B</p>	 <p>FIG. 5</p> <p>2E 3EH 4EH</p>

12-VOLT ASSEMBLIES — TERMINAL POSITIONS & CELL LAYOUTS

<p>4D 6D 8D</p>  <p>FIG. 8</p>	 <p>FIG. 9</p> <p>3EE 3ET</p>
<p>12T 29H 21 30H 24 34 24H 50 24T 51 25 52 26 86 27 U1® 27H U2®</p>  <p>FIG. 10</p>	 <p>FIG. 10F</p> <p>16TF 45 46</p>
<p>21R 24R 26R 34R 35 51R 85 U1R®</p>  <p>FIG. 11</p>	 <p>FIG. 11L</p> <p>17TF</p>
<p>22F 22HF 22NF 24F 27F 29NF 33</p>  <p>FIG. 11F</p>	 <p>FIG. 11H</p> <p>121R 124R</p>

Ⓐ Holddown Ledge Ⓑ Bus Terminal (8D only) - Optional Ⓒ Lifting Ledge Ⓓ With X Terminal

BCI ASSEMBLY NUMBERS, CELL LAYOUTS, HOLDDOWNS AND POLARITY

12-VOLT ASSEMBLIES — TERMINAL POSITIONS & CELL LAYOUTS			
60			66
53			40R 41 42 43 96R 97R 98R
4DLT			70 75 71 76 72 77 73 78 74 101
28 31A 31T			36R 54 55 56 58R
61 62 63 64			59 65
57			47 92 48 93 49 94R 90 95R 91 99R
58			151R

Ⓐ Holddown Ledge

BCI ASSEMBLY NUMBERS, CELL LAYOUTS, HOLDDOWNS AND POLARITY

12-VOLT ASSEMBLIES — TERMINAL POSITIONS & CELL LAYOUTS

99

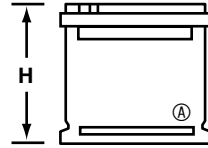
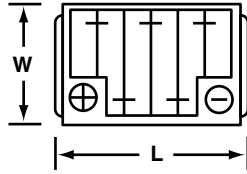
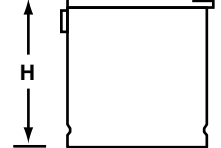
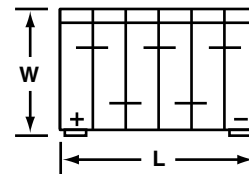


FIG. 34



79
100

FIG. 35

67R

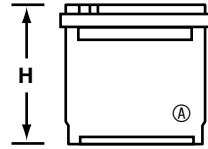
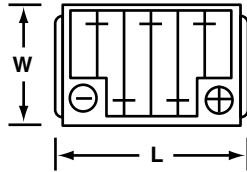


FIG. 39

BCI ASSEMBLY NUMBERS, CELL LAYOUTS, HOLDDOWNS AND POLARITY

ORDNANCE BATTERIES 12-VOLT — TERMINAL POSITION & CELL LAYOUTS

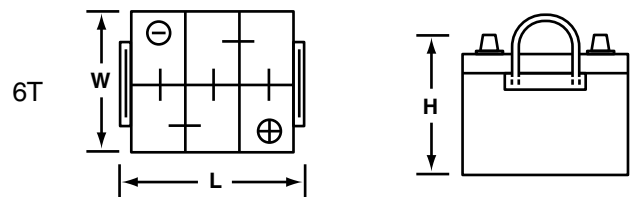


FIG. 27

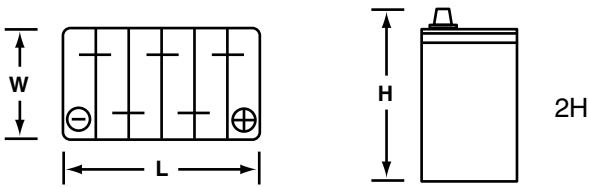


FIG. 28

ORDNANCE BATTERY 24-VOLT

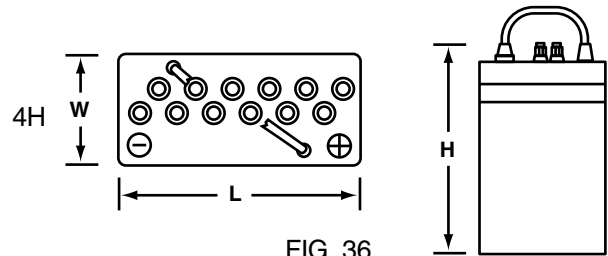


FIG. 36

ELECTRIC GOLF CAR/UTILITY BATTERIES — TERMINAL POSITION & CELL LAYOUTS

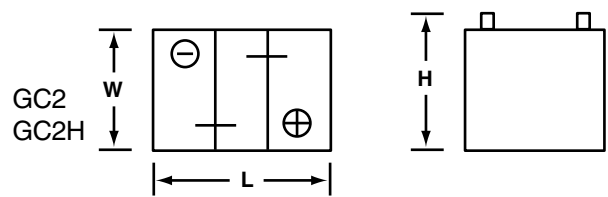


FIG. 2 (6-VOLT 3 CELL)

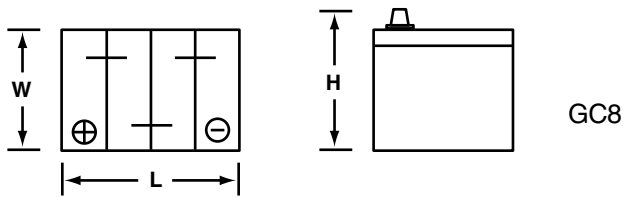


FIG. 31 (8-VOLT 4 CELL)

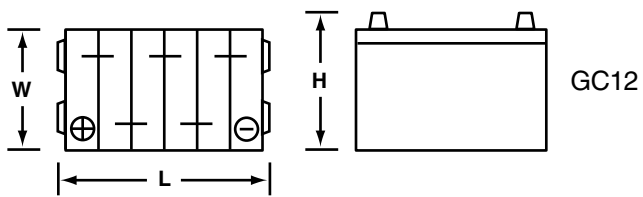
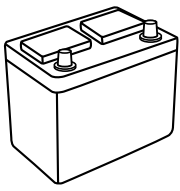
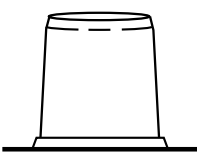
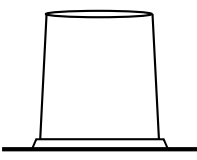
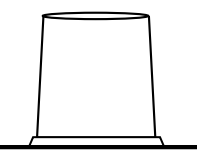
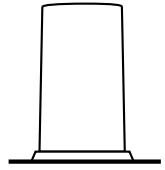
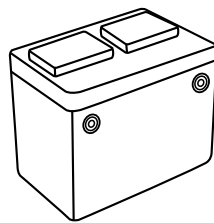
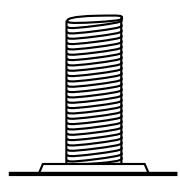
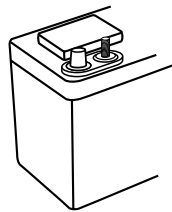
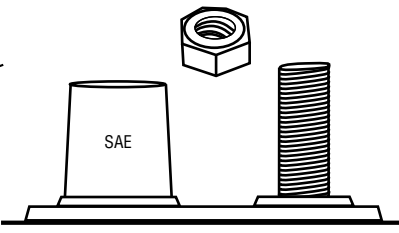
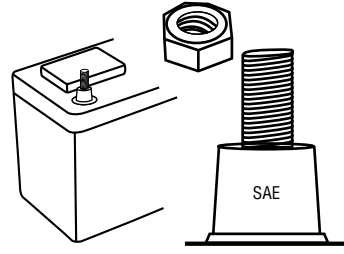
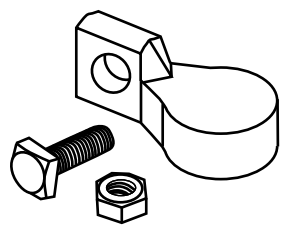
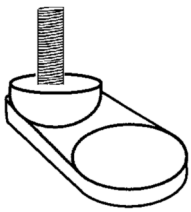
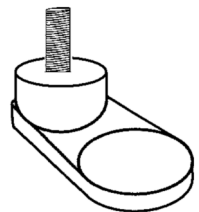
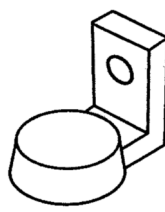
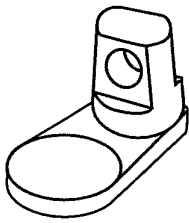
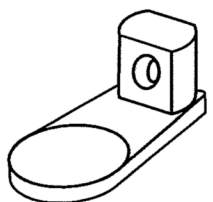
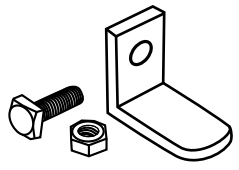
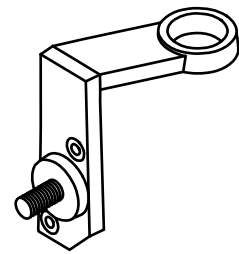
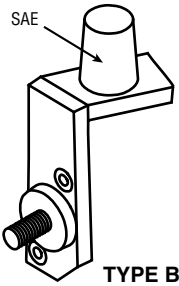
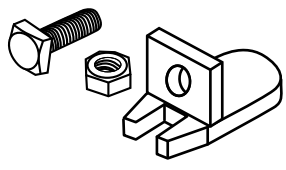
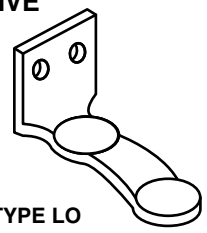



FIG. 32 (12-VOLT 6 CELL)

BCI POST/TERMINAL CONFIGURATIONS

TOP POST		SAE		DIN		EN/JIS		JIS Pencil Post	
									
		TYPE A		TYPE A1		TYPE A2		TYPE A3	
SIDE TERMINAL						THREADED POST			
									
						TYPE S			
MARINE		WITH HEX				FLAG MARINE/SCRUBBER			
									
		TYPE M				TYPE M1			
									
						TYPE M2			
GOLF CAR AND FLOOR SCRUBBER									
									
TYPE LPT Low Profile		TYPE HPT High Profile		TYPE L		TYPE UT		TYPE LT	
GARDEN TRACTOR				BUS					
									
TYPE X				TYPE B					
									
				TYPE B-1					
SPECIAL APPLICATION					LOCOMOTIVE				
									
TYPE F FOX					TYPE W				
									
					TYPE Z				
					TYPE LO				

Designs and designations supplied for reference only. See your battery supplier for dimensional details.

BCI GROUP NUMBERS, DIMENSIONAL SPECIFICATIONS AND RATINGS

BCI Group Number	Maximum Overall Dimensions						Post/ Terminal	Assembly Figure No.	O.E. Performance Ranges	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0° F (-18° C)	Reserve Capacity Minutes @ 80° F (27° C)
	L	W	H	L	W	H				
PASSENGER CAR AND LIGHT COMMERCIAL BATTERIES 12-VOLT (6 CELLS)										
21	208	173	222	8 3/16	6 13/16	8 3/4	A,A2	10	305-420	50-70
21R	208	173	222	8 3/16	6 13/16	8 3/4	A,A2	11	310-490	50-70
22F	241	175	211	9 1/2	6 15/16	8 5/16	A	11F	230-500	45-90
22HF	241	175	229	9 1/2	6 15/16	9	A	11F	290	69
22NF	240	140	227	9 7/16	5 1/2	8 15/16	A,A2	11F	165-500	50-60
24	260	173	225	10 1/4	6 13/16	8 7/8	A,A2	10	200-900	50-95
24F	273	173	229	10 3/4	6 13/16	9	A,A2	11F	250-710	50-95
24H	260	173	238	10 1/4	6 13/16	9 3/8	A	10	325-410	70-95
24R	260	173	229	10 1/4	6 13/16	9	A	11	550	70-95
24T	260	173	248	10 1/4	6 13/16	9 3/4	A	10	380-500	110
25	230	175	225	9 1/16	6 15/16	8 7/8	A,A2	10	260-550	50-90
26	208	173	197	8 3/16	6 13/16	7 3/4	A,A2	10	245-525	50-80
26R	208	173	197	8 3/16	6 13/16	7 3/4	A	11	235-540	60-80
27	306	173	225	12 1/16	6 13/16	8 7/8	A,A2	10	340-810	102-140
27F	318	173	227	12 1/2	6 13/16	8 15/16	A,A2	11F	315-710	95-140
27H	298	173	235	11 3/4	6 13/16	9 1/4	A	10	420-440	125
29NF	330	140	227	13	5 1/2	8 15/16	A	11F	300-430	95
33	338	173	238	13 5/16	6 13/16	9 3/8	A	11F	1050	165
34	260	173	200	10 1/4	6 13/16	7 7/8	A	10	375-800	100-115
34R	260	173	200	10 1/4	6 13/16	7 7/8	A	11	450-700	110
35	230	175	225	9 1/16	6 15/16	8 7/8	A,A2	11	310-640	80-110
36R	263	183	206	10 3/8	7 3/16	8 1/8	A	19	540-650	130
40R	278	175	175	11	6 15/16	6 15/16	A,A1	15	590-650	110-120
41	293	175	175	11 9/16	6 15/16	6 15/16	A,A1	15	300-720	65-95
42	242	175	175	9 9/16	6 15/16	6 15/16	A,A1	15	210-650	65-95
43	334	175	205	13 1/8	6 15/16	8 1/16	A,A1	15	375-495	115
45	240	140	227	9 7/16	5 1/2	8 15/16	A,A2	10F	400-500	60-80
46	273	173	229	10 3/4	6 13/16	9	A,A1	10F	315-450	75-95
47	242	175	190	9 9/16	6 15/16	7 1/2	A,A1, F	24	290-650	75-85
48	278	175	190	11	6 15/16	7 1/2	A,A1,A2	24	315-770	85-95
49	353	175	190	13 15/16	6 15/16	7 1/2	A,A1,A2	24	470-950	140-150
50	343	127	254	13 1/2	5	10	A	10	500-600	85-100
51	238	129	223	9 3/8	5 1/16	8 3/4	A,A2	10	270-435	70
51R	238	129	223	9 3/8	5 1/16	8 3/4	A,A2	11	310-435	70
52	186	147	210	7 5/16	5 13/16	8 1/4	A	10	405	70
53	330	119	210	13	4 11/16	8 1/4	A	14	210-315	40
54	186	154	212	7 5/16	6 1/16	8 3/8	A	19	305-330	60
55	218	154	212	8 9/16	6 1/16	8 3/8	A	19	370-420	75
56	254	154	212	10	6 1/16	8 3/8	A	19	350-505	90
57	205	183	177	8 1/16	7 3/16	6 15/16	A	22	310	60
58	255	183	177	10 1/16	7 3/16	6 15/16	A	26	245-540	75
58R	255	183	177	10 1/16	7 3/16	6 15/16	A	19	540-580	75

BCI GROUP NUMBERS, DIMENSIONAL SPECIFICATIONS AND RATINGS

BCI Group Number	Maximum Overall Dimensions						Post/ Terminal	Assembly Figure No.	O.E. Performance Ranges	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0° F (-18° C)	Reserve Capacity Minutes @ 80° F (27° C)
	L	W	H	L	W	H				
PASSENGER CAR AND LIGHT COMMERCIAL BATTERIES 12-VOLT (6 CELLS) Continued										
59	255	193	196	10 1/16	7 11/16	7 3/4	A	21	540-590	100
60	332	160	225	13 1/16	6 5/16	8 7/8	A	12	225-730	65-115
61	192	162	225	7 9/16	6 3/8	8 7/8	A	20	310	60
62	225	162	225	8 7/8	6 3/8	8 7/8	A	20	310-450	75
63	258	162	225	10 3/16	6 3/8	8 7/8	A	20	450	90
64	296	162	225	11 5/8	6 3/8	8 7/8	A	20	475-535	105-120
65	306	192	192	12 1/16	7 9/16	7 9/16	A	21	600-850	130-165
66	306	192	194	12 1/16	7 9/16	7 11/16	A	13	650-750	130-140
67R	231	175	176	9 1/8	6 15/16	6 15/16	A	39	390	65
70	208	180	186	8 3/16	7 1/16	7 5/16	S	17	250-525	60-80
71	208	179	216	8 3/16	7 1/16	8 1/2	S	17	275-450	75-90
72	230	179	210	9 1/16	7 1/16	8 1/4	S	17	275-430	60-90
73	230	179	216	9 1/16	7 1/16	8 1/2	S	17	425-500	80-115
74	260	184	222	10 1/4	7 1/4	8 3/4	S	17	265-550	75-140
75	230	180	186Ⓢ	9 1/16	7 1/16	7 5/16 Ⓢ	S	17	245-690	90
76	334	179	216	13 1/8	7 1/16	8 1/2	S	17	750-1075	150-175
77	306	184	222	12 1/16	7 1/4	8 3/4	A	17	350-465	107-110
78	260	180	186	10 1/4	7 1/16	7 5/16	S	17	465-800	105-115
79	307	179	188	12 1/16	7 1/16	7 3/8	S	35	800-840	140
85	230	173	203	9 1/16	6 13/16	8	A	11	430-630	90
86	230	173	203	9 1/16	6 13/16	8	A	10	430-640	90
90	242	175	175	9 9/16	6 15/16	6 15/16	A1,A2	24	450-650	80
91	278	175	175	11	6 15/16	6 15/16	A1,A2	24	520-700	100
92	315	175	175	12 7/16	6 15/16	6 15/16	A1,A2	24	575-720	130
93	353	175	175	13 15/16	6 15/16	6 15/16	A1,A2	24	600-800	150
94R	315	175	190	12 7/16	6 15/16	7 1/2	A1,A2	24	620-790	135
95R	394	175	190	15 9/16	6 15/16	7 1/2	A1,A2	24	760-950	190
96R	242	175	175	9 1/2	6 15/16	6 15/16	A,A1	15	500-590	95
97R	252	175	190	9 15/16	6 15/16	7 1/2	A1,A2	15	575	90
98R	283	175	190	11 1/8	6 15/16	7 1/2	A1,A2	15	620-760	120
99	207	175	175	8 1/8	6 15/16	6 15/16	A1	34	360	50
99RⓈ	210	175	175	8 5/16	6 15/16	6 15/16	A1	24	470	55-75
100	260	179	188	10 1/4	7 1/16	7 3/8	S	35	770	115
101	260	179	170	10 1/4	7 1/16	6 11/16	S	17	540	115
121R	208	177	215	8 1/4	7	8 1/2	A	11H	500-550	85
124R	262	177	218	10 3/8	7	8 5/8	A	11H	500-660	110
151R	188	125	225	7 7/16	4 15/16	8 7/8	A	28	270-335	55

NOTES:

Ⓢ Rod End Types — Extend top ledge with holes for holddown bolts.

Ⓢ Not in application section but still manufactured.

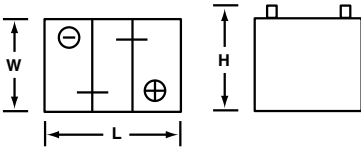
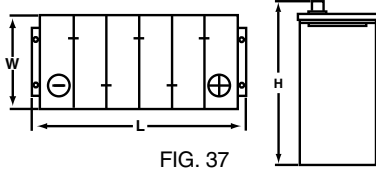
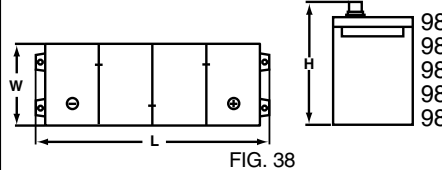
Ⓢ Maximum height dimension shown includes batteries with raised quarter cover design.

Flat-top design model height (minus quarter covers) reduced by approximately 3/8 inch (10 mm).

BCI GROUP NUMBERS, DIMENSIONAL SPECIFICATIONS AND RATINGS

BCI Group Number	Maximum Overall Dimensions						Post/ Terminal	Assembly Figure No.	O.E. Performance Ranges	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0° F (-18° C)	Reserve Capacity Minutes @ 80° F (27° C)
	L	W	H	L	W	H				
PASSENGER CAR AND LIGHT COMMERCIAL BATTERIES 6-VOLT (3 CELLS)										
1	232	181	238	9 1/8	7 1/8	9 3/8	A	2	200-485	105-165
2	264	181	238	10 3/8	7 1/8	9 3/8	A	2	350-650	135-230
2E	492	105	232	19 3/8	4 1/8	9 1/8	A	5	350-475	140
2N	254	141	227	10	5 9/16	8 15/16	A	1	350-450	135
17HF®®	187	175	229	7 3/8	6 15/16	9	A	2B	270-400	—
19L	216	178	191	8 1/2	7	7 1/2	A	2	350-400	110
HEAVY-DUTY COMMERCIAL BATTERIES 12-VOLT (6 CELLS)										
4DⓈ	527	222	250	20 3/4	8 3/4	9 13/16	A, B, A2	8	600-1200	225-325
6D	527	254	260	20 3/4	10	10 1/4	A, L	8	750	310
8DⓈ	527	283	250	20 3/4	11 1/8	9 13/16	A, A2, B,B1	8	700-1300	235-465
28	261	173	240	10 1/4	6 13/16	9 7/16	T	18	500	80-135
29H	334	171	232	13 1/8	6 11/16	9 1/8	A	10	350-840	145
30H	343	173	235	13 1/2	6 13/16	9 1/4	A	10	370-1025	120-150
31A	330	173	240	13	6 13/16	9 7/16	A, M, M1	18	660-1000	100-200
31T	330	173	240	13	6 13/16	9 7/16	T, M, M1	18	620-1980	100-200
HEAVY-DUTY COMMERCIAL BATTERIES 6-VOLT (3 CELLS)										
3	298	181	238	11 3/4	7 1/8	9 3/8	A	2	525-660	210-230
4	334	181	238	13 1/8	7 1/8	9 3/8	A	2	440-1000	240-420
5D	349	181	238	13 3/4	7 1/8	9 3/8	A	2	750-1400	310-380
7D	413	181	238	16 1/4	7 1/8	9 3/8	A	2	800-975	370-426
SPECIAL TRACTOR BATTERIES 6-VOLT (3 CELLS)										
3EH	491	111	249	19 5/16	4 3/8	9 13/16	A	5	830-850	220-340
4EH	491	127	249	19 5/16	5	9 13/16	A	5	850-880	340-420
SPECIAL TRACTOR BATTERIES 12-VOLT (6 CELLS)										
3EE	491	111	225	19 5/16	4 3/8	8 7/8	A	9	350	85-105
3ET	491	111	249	19 5/16	4 3/8	9 13/16	A	9	430-620	130-135
4DLT	508	208	202	20	8 3/16	7 15/16	A	16L	630-820	200-290
12T	179	177	202	7 1/16	6 15/16	7 15/16	A, L	10	460	160
GENERAL-UTILITY BATTERIES 12-VOLT (6 CELLS)										
U1	197	132	186	7 3/4	5 3/16	7 5/16	X	10	150-540	23-40
U1R	197	132	186	7 3/4	5 3/16	7 5/16	X	11	165-450	25-37
U2	160	132	181	6 5/16	5 3/16	7 1/8	A3, X	10	235	17
ELECTRIC GOLF CAR/UTILITY BATTERIES 6-VOLT (3 CELLS)										
GC2	264	183	290	10 3/8	7 3/16	10 7/8	LPT, HPT UT, LT	2	Ⓢ	—
GC2H	264	183	295	10 3/8	7 3/16	11 5/8	LPT, HPT UT, LT	2	Ⓢ	—
ELECTRIC GOLF CAR/UTILITY BATTERIES 8-VOLT (4 CELLS)										
GC8	264	183	290	10 3/8	7 3/16	10 7/8	LPT, HPT UT, LT	31	Ⓢ	—
ELECTRIC GOLF CAR/UTILITY BATTERIES 12-VOLT (6 CELLS)										
GC12	327	183	277	12 7/8	7 3/16	10 7/8	LPT, HPT UT, LT	32	Ⓢ	—

BCI GROUP NUMBERS, DIMENSIONAL SPECIFICATIONS AND RATINGS

BCI Group Number	Maximum Overall Dimensions						Post/ Terminal	Assembly Figure No.	O.E. Performance Ranges	
	Millimeters			Inches					Cold Cranking Performance Amps. @ 0° F (-18° C)	Reserve Capacity Minutes @ 80° F (27° C)
	L	W	H	L	W	H				
ORDNANCE BATTERIES 12-VOLT (6 CELLS)										
2H ④	260	135	227	10 1/4	5 5/16	8 15/16	A	28	150	75
6T ④	286	267	230	11 1/4	10 1/2	9 1/16	A	27	600-750	180-230
ORDNANCE BATTERIES 24-VOLT (12 CELLS)										
4H ④	273	262	229	10 3/4	10 5/16	9	A	36	125	28
④Submersible										
FLOOR SCRUBBER COMMERCIAL BATTERIES (DEEP CYCLE) 6-VOLT (3 CELLS)										
901	298	181	302	11 3/4	7 1/8	11 7/8	A,L,LPT, HPT,UT,LT	2	—	—
902	302	181	371	12	7 1/8	14 5/8	A,L,LPT, HPT,UT,LT	2	—	—
903	302	181	432	12	7 1/8	17	A,L,LPT, HPT,UT,LT	2	—	—
FLOOR SCRUBBER COMMERCIAL BATTERIES (DEEP CYCLE) 12-VOLT (6 CELLS)										
920	356	171	311	14	6 3/4	12 1/2	A,L,LPT, HPT,UT,LT	37	—	—
921	397	181	378	15 3/4	7 1/8	14 7/8	A,L,LPT, HPT,UT,LT	37	—	—
MARINE/COMMERCIAL BATTERIES 8-VOLT (4 CELLS)										
981	527	191	273	20 3/4	7 1/2	10 3/4	A, L, UT, LT	38	—	—
982	546	191	267	21 1/2	7 1/2	10 1/2	A, L, UT, LT	38	—	—
983	622	191	267	24 1/2	7 1/2	10 1/2	A, L, UT, LT	38	—	—
984	699	191	267	27 1/2	7 1/2	10 1/2	A, L, UT, LT	38	—	—
985	683	216	273	26 7/8	8 1/2	11 3/4	A, L, UT, LT	38	—	—
FLOOR SCRUBBER 6-VOLT			FLOOR SCRUBBER 12-VOLT				MARINE/COMMERCIAL 8-VOLT			
<div>901 902 903</div> 			<div>920 921</div> 				<div>981 982 983 984 985</div> 			
FIG. 2			FIG. 37				FIG. 38			

Ⓔ Rod End Types – Extend top ledge with holes for holddown bolts.

Ⓕ Not in application section but still manufactured.

① Ratings for batteries recommended for Motor Coach and Bus service are for double insulation. When double insulation is used in other types, deduct 15% from the rating values for Cold Cranking Performance.

Ⓖ Capacity tested in minutes at 75 amperes to 1.75 volts per cell at 80° F (27° C).

Ⓜ Capacity tested in minutes at 56 amperes to 1.75 volts per cell at 80° F (27° C).

BCI / DIN / EN REFERENCE CHART

European Reference Information										
BCI Group Number	BCI Assembly Figure	Maximum Dimensions (mm)			Holddown (see below)	Lifting Ledger	Positive Terminal Location	DIN Code		EN Codes
		Length	Width	Height						
40R	15	278	175	175	B1	No	Right	T6	LB3	66LB
41	15	293	175	175	B4	No	Right	T65	N/A	54LB
42	15	242	175	175	B4	No	Right	T5	LB2	45LB
47	24	242	175	190	B3	Yes	Right	H5	L2	55L2
48	24	278	175	190	B3	Yes	Right	H6	L3	66L3
49	24	354	175	190	B3	Yes	Right	H8	L5	88L5
90	24	242	175	175	B3	Yes	Right	T5	LB2	45LB
91	24	278	175	175	B3	Yes	Right	T6	LB3	66LB
92	24	315	175	175	B3	Yes	Right	T7	LB4	77LB
93	24	354	175	175	B3	Yes	Right	T8	LB5	88LB
94R	24	315	175	190	B3	Yes	Right	H7	L4	77L4
95R	24	394	175	190	B3	Yes	Right	H9	L6	
97R	15	252	175	190	B4	No	Right	H5	L2	55L2
98R	15	283	175	190	B4	No	Right	H6	L3	66L3
99	34	207	175	175	B1	Yes	Left	T4	LB1	36LB
99R	24	210	175	175	B3	Yes	Right	T4	LB1	36LB
N/A	N/A	175	175	190	B3	Yes	Right	H3	L0	32L0
N/A	24	207	175	190	B3	Yes	Right	H4	L1	45L1

CAUTION

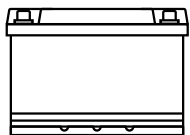
These are common holddown types but others may be used.

Holddown descriptions:

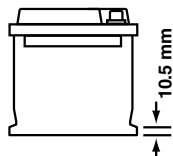
B1 = 10.5 mm high with 3 or 5 notches on sides only

B3 = 10.5 mm high on sides with 3 or 5 notches on sides and 3 notches on ends.

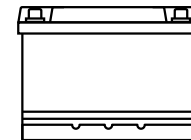
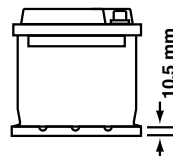
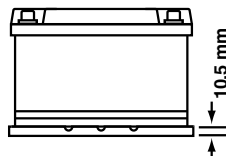
B4 = 19.0 mm high on sides only with 3 or 5 notches on sides only



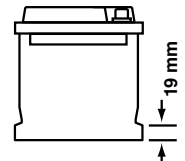
B1
Base holddown 10.5 mm (on long sides)



B3
Base holddown 10.5 mm (on long and short sides)



B4
Base holddown 19 mm (on long sides)



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BCI / JIS REFERENCE CHART

Best Fit Estimate - BCI Group Size

BCI Group Number	BCI Assembly Figure	Maximum JIS Dimensions (mm)			JIS Reference Size Number Information	
		Length	Width	Height	JIS Type Designation	Conventional
21	10	202	173	225	50D20R	N50S
21R	11	202	173	225	50D20L	N50SL
24	10	260	173	225	48D26R, 55D26R, 65D26R, 75D26R, 80D26R	N50, N50Z, NS70
24R	11	260	173	225	48D26L, 55D26L, 65D26L, 75D26L, 80D26L	N50L, N50ZL, NS70L
25	10	232	173	225	65D23R, 70D23R, 75D23R	
27	10	306	173	225	65D31R, 75D31R, 95D31R	N70, N70B, NX120
27R	11	306	173	225	65D31L, 75D31L, 95D31L	N70L, N70ZL, NX120-7L
29H [Ⓟ]	10	410	176	234	95E41R, 105E41R, 115E41R, 130E41R 95E41L, 105E41L, 115E41L, 130E41L	N100
35	11	232	173	225	65D23L, 70D23L, 75D23L	
51 [Ⓢ]	10	238	135	227	46B24R, 50B24R, 55B24R, 32C24R	N40, NS60
51R [Ⓢ]	11	238	129	227	32C24L, 46B24L, 50B24L, 55B24L	N40L, NS60L
151R	28	188	125	225	44B19L (S) (SAE TYPE A POST)	
4D	8	505 508	182 222	257 257	115F51 [Ⓢ] , 145F51 [Ⓢ] , 150F51 [Ⓢ] , 170F51 [Ⓢ] 14G51, 165G51, 180G51, 195G51	N120 [Ⓢ] NS150 [Ⓢ]
8D	8	521	278	270	190H52, 245H52	N200
N/A [Ⓢ]	11	194	126	224	S34B20L–Toyota Prius: Remote Venting	
N/A	10	165	124	218	S34B24R–Honda Insight	
N/A	11	248	127	190	46A24L–Mazda Miata: Remote Venting	
N/A	–	167	127	227	26B17L, 26B17R, 28B17L, 34B17L, 28B17R, 34B17R	
N/A	–	187	127	184	26A19L, 26A19R, 28A19R, 32A19R	
N/A	–	187	127	187	26A19L, 28A19R, 32A19R	
N/A	–	187	127	227	28B19L, 28B19R, 34B19L, 34B19R,	
N/A	–	187	127	227	28B19L, 28B19R	
N/A	–	197	129	227	S34B20L, S34B20R, 36B20L, 36B20R, 38B20L, 38B20R	
N/A	–	238	127	227	S46B24L(WS), S46B24R(WS)	
N/A	–	232	173	225	S55D23L, S55D23R, 55D23L, 55D23R	
N/A	–	250	168	227	S65D26L, S65D26R	
N/A	–	305	173	225	S75D31L, S75D31R	N70Z, N70ZL

Ⓢ OEM post may be small diameter JIS size, connector change may be required.

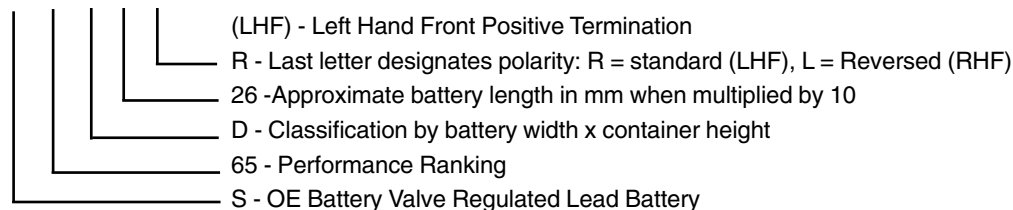
Ⓢ BCI designated Group 4D is 38 mm wider than JIS part. 4D will fit most JIS applications.

Ⓟ BCI Group 29H is 76 mm shorter in length than JIS designated part.

Ⓢ OE Battery value regulated lead battery.

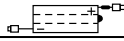



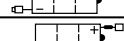

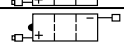
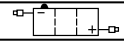
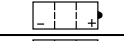
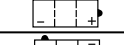



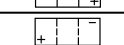
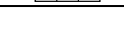



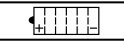














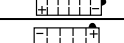
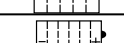



JIS Number Interpretation:

Example - S 65 D 26 R



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POWER SPORT BATTERY TYPE REFERENCE CHART











































Battery Type	Volt	Capacity Ah (10 hr)	External Dimensions						Post/ Terminal	Assembly Figure
			Millimeters (± 2)			Inches (± 1/16)				
			L	W	H	L	W	H		
6-VOLT CONVENTIONAL FLOODED LEAD ACID BATTERY										
6N2-2A	6	2	70	46	95	2 3/4	1 13/16	3 3/4	—	
6N2-2A-4	6	2	70	46	95	2 3/4	1 13/16	3 3/4	—	
6N4-2A	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4-2A-2	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4-2A-4	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4-2A-5	6	4	70	70	95	2 3/4	2 3/4	3 3/4	—	
6N4B-2A	6	4	102	48	96	4	1 7/8	3 3/4	—	
6N4B-2A-3	6	4	102	48	96	4	1 7/8	3 3/4	—	
6N6-1D-2	6	6	98	57	108	3 7/8	2 1/4	4 1/4	—	
6N6-3B-1	6	6	99	57	111	3 7/8	2 1/4	4 3/8	6	
6B8L-B	6	8	120	70	95	4 3/4	2 3/4	3 3/4	6	
6N11-2D	6	11	150	69	103	5 7/8	2 11/16	4 1/16	6	
6N11A-1B	6	11	121	60	131	4 3/4	2 3/8	5 3/16	6	
B38-6A	6	13	119	83	161	4 11/16	3 1/4	6 15/16	6	
B39-6	6	7	126	48	126	4 15/16	1 7/8	4 15/16	6	
B49-6	6	10	90	83	161	3 9/16	3 1/4	6 15/16	6	
12-VOLT CONVENTIONAL FLOODED LEAD ACID BATTERY										
12N5-3B	12	5	121	60	130	4 3/4	2 3/8	5 1/8	6	
12N5-4B	12	5	121	60	130	4 3/4	2 3/8	5 1/8	6	
12N5.5-3B	12	5.5	135	60	130	5 5/16	2 3/8	5 1/8	6	
12N5.5-4A	12	5.5	135	60	130	5 5/16	2 3/8	5 1/8	2	
12N7-3B	12	7	135	76	132	5 5/16	3	5 3/16	6	
12N7-4B	12	7	135	76	132	5 5/16	3	5 3/16	6	
12N9-3A	12	9	135	76	139	5 5/16	3	5 1/2	9	
12N9-4B-1	12	9	135	76	139	5 5/16	3	5 1/2	6	
12N24-3	12	24	184	125	175	7 1/4	4 15/16	6 7/8	3	
12N24-3A	12	24	184	125	175	7 1/4	4 15/16	6 7/8	3	
H-12	12	28 (Ah)	200	129	162	7 7/8	5 1/16	6 3/8	9	
12-VOLT HIGH PERFORMANCE FLOODED LEAD ACID BATTERY										
B2.5L-C-1	12	2.5	80	70	105	3 1/8	2 3/4	4 1/8	—	
B3L-A	12	3	100	57	110	3 15/16	2 1/4	4 15/16	6	
B3L-B	12	3	100	57	110	3 15/16	2 1/4	4 15/16	6	
B4L-A	12	4	121	71	92	4 3/4	2 13/16	3 5/8	5	
B4L-B	12	4	121	71	92	4 3/4	2 13/16	3 5/8	5	
B5L-B	12	5	121	60	130	4 3/4	2 3/8	5 1/8	6	
B7-A	12	8	135	76	132	5 5/16	3	5 3/16	6	
B7B-B	12	7	150	60	130	5 7/8	2 3/8	5 1/8	6	
B7C-A	12	8	133	92	116	5 1/4	3 5/8	4 9/16	3	
B7L-B	12	8	135	76	132	5 5/16	3	5 3/16	3	
B9A-A	12	9	135	76	155	5 5/16	3	6 1/8	6	
B9-B	12	9	135	76	138	5 5/16	3	5 7/16	6	
B9L-B	12	9	135	76	138	5 5/16	3	5 7/16	6	

(Ah) @ 20 hr rate

WS = With Sensor

52 = DIN / EN battery part number

POWER SPORT BATTERY TYPE REFERENCE CHART







































Battery Type	Volt	Capacity Ah (10 hr)	External Dimensions						Post/ Terminal	Assembly Figure
			Millimeters (± 2)			Inches (± 1/16)				
			L	W	H	L	W	H		
12-VOLT HIGH PERFORMANCE FLOODED LEAD ACID BATTERY										
B9L-A2	12	9	135	76	138	5 5/16	3	5 7/16	2	
B10A-A2	12	11	135	90	155	5 5/16	3 9/16	6 1/8	8	
B10L-A2	12	11	135	90	145	5 5/16	3 9/16	5 11/16	8	
B10L-B	12	11	135	90	145	5 5/16	3 9/16	5 11/16	6	
B10L-B2	12	11	135	90	145	5 5/16	3 9/16	5 11/16	8	
B12A-A	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	
SB12A-A ^{WS}	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	 With Sensor
B12A-B	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	
B12AL-A	12	12	134	80	159	5 1/4	3 1/8	6 1/4	6	
B12AL-A2	12	12	134	80	159	5 1/4	3 1/8	6 1/4	8	
B12B-B2	12	12	160	90	131	6 5/16	3 9/16	5 3/16	8	
B12C-A	12	12	134	80	174	5 1/4	3 1/8	6 7/8	4	
B14-A2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
B14-B2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
B14A-A1	12	14	135	90	172	5 5/16	3 9/16	6 3/4	6	
B14A-A2	12	14	135	90	172	5 5/16	3 9/16	6 3/4	5	
B14L-A1	12	14	133	90	167	5 1/4	3 9/16	6 9/16	1	
B14L-A2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
B14L-B2	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	
SB14L-B2 ^{WS}	12	14	135	90	167	5 5/16	3 9/16	6 9/16	8	 With Sensor
B16-B	12	19	175	99	156	6 7/8	3 7/8	6 1/8	6	
B16L-B	12	19	175	99	156	6 7/8	3 7/8	6 1/8	6	
B16AL-A2	12	16	205	70	166	8 1/16	2 3/4	6 9/16	2	
B16B-A	12	16	160	89	162	6 5/16	3 1/2	6 3/8	4	
B16B-A1	12	16	160	89	162	6 5/16	3 1/2	6 3/8	7	
B16C-B	12	19	175	99	175	6 7/8	3 7/8	6 7/8	5	
B16CL-B	12	19	175	99	175	6 7/8	3 7/8	6 7/8	5	
B16A-AB	12	16	150	90	181	5 7/8	3 9/16	7 1/16	7	
B16HL-A-LM	12	19	205	90	162	8 1/16	3 9/16	6 3/8	6	
B18-A	12	18	181	90	160	7 1/8	3 9/16	6 5/16	7	
B18L-A	12	18	181	90	160	7 1/8	3 9/16	6 5/16	7	
B50-N18A-A	12	20	205	90	176	8 1/16	3 9/16	6 15/16	7	
B50-N18L-A	12	20	205	90	162	8 1/16	3 9/16	6 3/8	7	
B50-N18L-A3	12	20	205	90	162	8 1/16	3 9/16	6 3/8	4	
B50N-18L-LM	12	20	205	90	162	8 1/16	3 9/16	6 3/8	7	
SB50N-18L-AT ^{WS}	12	20	205	90	162	8 1/16	3 9/16	6 3/8	7	 With Sensor
B60-N24-A	12	28	184	125	170	7 1/4	4 15/16	6 11/16	3	
B60-N24L-A	12	28	184	125	170	7 1/4	4 15/16	6 11/16	10	
B60-N24AL-B	12	28	184	125	170	7 1/4	4 15/16	6 11/16	3	
B30L-B	12	30	168	132	176	6 5/8	5 3/16	6 15/16	4	
B30CL-B	12	30	168	132	192.2	6 5/8	5 3/16	7 9/16	4	
51814 ⁵²	12	19 (Ah)	186	82	171	7 7/16	3 1/4	6 3/4	10	
51913 ⁵²	12	19 (Ah)	186	82	171	7 7/16	3 1/4	6 3/4	10	
53030 ⁵²	12	30 (Ah)	186	130	171	7 7/16	5 1/8	6 3/4	10	

(Ah) @ 20 hr rate

WS = With Sensor

52 = DIN / EN battery part number

POWER SPORT BATTERY TYPE REFERENCE CHART

Battery Type	Volt	Capacity Ah (10 hr)	External Dimensions						Post/ Terminal	Assembly Figure
			Millimeters (± 2)			Inches (± 1/16)				
			L	W	H	L	W	H		
12-VOLT AGM LEAD ACID BATTERY										
BTX4L-BS	12	3	113	70	86	4 7/16	2 3/4	3 3/8	5	
BTX5L-BS	12	4	113	70	105	4 7/16	2 3/4	4 1/8	5	
BT7B-BS	12	6	150	65	93	5 7/8	2 9/16	3 11/16	11	
BTX7L-BS	12	6	113	70	129	4 7/16	2 3/4	5 1/16	4	
BTX7A-BS	12	6	150	87	90	5 7/8	3 7/16	3 9/16	4	
BTX9-BS	12	8	150	87	105	5 7/8	3 7/16	4 1/8	5	
BTR9-BS	12	8	150	87	105	5 7/8	3 7/16	4 1/8	11	
BTX12-BS	12	10	150	88	130	5 7/8	3 1/2	5 1/8	5	
BT12A-BS	12	10	150	87	105	5 7/8	3 7/16	4 1/8	11	
BTX14-BS	12	12	150	87	146	5 7/8	3 7/16	5 3/4	5	
BTX14AH-BS	12	12	134	89	166	5 1/4	3 1/2	6 9/16	4	
BTX14AHL-BS	12	12	134	89	166	5 1/4	3 1/2	6 9/16	4	
BTX14L-BS	12	12	150	87	145	6	3 7/16	5 3/4	5	
BTX15L-BS	12	13	175	87	130	6 7/8	3 7/16	5 1/8	4	
BTX16-BS	12	14	150	88	161	5 7/8	3 7/16	6 15/16	4	
BTX16-BS-1	12	14	150	88	161	5 7/8	3 7/16	6 15/16	1	
BTX20-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX20CH-BS	12	18	150	87	161	6	3 7/16	6 3/8	4	
BTX20L-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX20H-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX20HL-BS	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX24HL-BS	12	21	205	87	162	8 1/16	3 7/16	6 3/8	4	
12-VOLT FACTORY ACTIVATED ABSORBED GLASS MAT (AGM) BATTERY										
BT4B-5	12	2.5	113	38	86	4 7/16	1 1/2	3 3/8	12	
BT7B-4	12	6	150	65	93	6	2 9/16	3 11/16	11	
BT9B-4	12	8	150	69	105	5 7/8	2 11/16	4 1/8	11	
BT12B-4	12	10.5	150	69	130	6	2 3/4	5 1/8	11	
BT14B-4	12	12	150	87	146	5 7/8	3 7/16	5 3/4	11	
BTZ5S	12	4	113	70	85	4 7/16	2 3/4	3 3/8	5	
BTZ7S	12	6	113	70	105	4 7/16	2 3/4	4 1/8	5	
BTZ10S	12	8	150	87	93	5 7/8	3 7/16	3 11/16	11	
BTZ12S	12	11	150	87	110	5 7/8	3 7/16	4 5/16	11	
BTZ14S	12	11.2	150	87	110	5 7/8	3 7/16	4 5/16	11	
BTX14	12	12	150	87	146	5 7/8	3 7/16	5 3/4	5	
BTX15L	12	13	175	87	130	6 7/8	3 7/16	5 1/8	4	
BTX20L	12	18	175	87	155	6 7/8	3 7/16	6 1/8	4	
BTX24HL	12	21	205	87	162	8 1/16	3 7/16	6 3/8	4	
BTX30L	12	30	166	126	175	6 9/16	4 15/16	6 7/8	4	
BTZ20L	12	20	175	87	155	6 7/8	3 7/16	6 1/8	4	

(Ah) @ 20 hr rate

WS = With Sensor

52 = DIN / EN battery part number

TERMINALS

Type	Terminal Shape			Battery Type				
	Front	Side	Top					
1				BTX16-BS-1 B14L-A1				
2				B9L-A2 B16AL-A2 12N5.5-4A				
3				12N24-3 12N24-3A B7C-A B7L-B B60-N24-A B60-N24AL-B				
4				BTX14AH-BS BTX14AHL-BS BTX15L-BS BTX16-BS BTX20-BS BTX20L-BS BTX20H-BS BTX20HL-BS BTX24HL-BS BTX20CH-BS B12C-A B16B-A B50-N18L-A3 B30L-B B30CL-B BTX15L BTX20L BTX24HL BTZ20L				
5				BTX4L-BS BTX5L-BS BTX7A-BS BTX7L-BS BTX9-BS BTX12-BS BTX14-BS BTX14L-BS BTZ7S BTX14 BTX30L B4L-A B4L-B B14A-A2 B16C-B B16CL-B BTZ5S				
6				B3L-A B3L-B B5L-B B7-A B7B-B B9-B B9L-B B9A-A B10L-B B12A-A B12A-B B12AL-A B14A-A1 B16-B B16L-B B16HL-A-LM SB12A-A 12N5-3B 12N5-4B 12N5.5-3B 12N7-3B 12N7-4B 12N9-4B-1 6N11-2D 6N11A-1B 6N6-3B-1 6B8L-B B38-6A B39-6 B49-6				
7				B16A-AB B16B-A1 B18-A B18L-A B50-N18A-A B50-N18L-A B50-N18L-LM SB50N-18L-AT				
8				B10A-A2 B10L-A2 B10L-B2 B12AL-A2 B12B-B2 B14-A2 B14-B2 B14L-A2 B14L-B2 SB14L-B2				
9				H-12 12N9-3A				
10				51814 ⁵² 51913 ⁵² 53030 ⁵² B60-N24L-A				
11				BT7B-4 BT9B-4 BTZ10S BT12B-4 BT12A-BS BT14B-4 BT7B-BS BTR9-BS BTZ12S BTZ14S				
12				BT4B-5				

52 = DIN / EN battery part number

Passenger Car & Light Truck

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
ACURA					ASTON MARTIN					AUDI (Cont.)				
CL					DB7					A6 Quattro				
2003-01	V6 3.2L	11	24	550	2004-00	V12 6.0L	54,66	48	780	2013-09	V6 3.0L	54,66,67	49	850
1999-98	L4 2.3L	11	24F	550	1998-97	L6 3.2L	54,66	48	780	2013	L4 2.0L	54,66,67	49	850
1999-97	V6 3.0L	11	24	550	DB9					2011-06	V8 4.2L	54,66,67	49	850
1997	L4 2.2L		24F	550	2013-05	V12 6.0L	54,66	49	830	2008-05	V6 3.2L	54,66,67	49	850
CSX					DBS					2005	V8 4.2L	54,67	94R	650
2011-08	L4 2.0L		51R	410	DBS					2004-03	V6 3.0L	54	94R	650
2007	L4 2.0L		51R	440	2013-08	V12 6.0L	54,66	49	830	2004-00	V8 4.2L	54	49	850
2006	L4 2.0L		51R	500	Rapide					2004	V6 2.7L Turbo	54	94R	650
EL					2013-11	V12 6.0L	54,66	49	830	2003-00	V6 2.7L Turbo	54	94R	640
2005-01	L4 1.7L		51	410	V12 Vantage					2002-02	V6 3.0L	54	94R	640
2000-97	L4 1.6L		51R	410	2013-10	V12 6.0L	54,66	49	830	2001-99	V6 2.8L	54	48	570
ILX					V8 Vantage					1998-95	V6 2.8L	54	41	650
2013	L4 1.5L Hybrid		151R	340	2013-09	V8 4.7L	54,66	49	830	A7 Quattro				
2013	L4 2.0L		51R	410	2008-06	V8 4.3L	54,66	49	830	2013-12	V6 3.0L	54,66,67	95R	850
2013	L4 2.4L		51R	410	Vanquish					A8				
Integra					2006-01	V12 6.0L	54,66	49	830	1999-97	V8 3.7L	54	49	850
2001-94	L4 1.8L		51R	410	Virage					A8 Quattro				
Legend					2012	V12 6.0L	54,66	49	830	2013-12	W12 6.3L	54,66,67	49	850
1995-94	V6 3.2L		24	585	1994	V8 5.3L	54,66	24	630	2013	V6 3.0L	54,66,67	49	850
MDX					AUDI					2013	V6 3.0L Optional	54,66,67	95R	850
2013-07	V6 3.7L		24F	630	100					2013	W12 6.3L Optional	54,66,67	95R	850
2006-01	V6 3.5L		24F	550	1994	V6 2.8L	54	41	575	2012-10	V8 4.2L	54,66,67	49	850
NSX					1994	V6 2.8L Optional	54	41	650	2009-05	W12 6.0L	54,66,67	95R	850
2005-97	V6 3.2L MT		35	435	100 Quattro					2009-04	V8 4.2L	54,66,67	95R	850
2005-95	V6 3.0L MT		35	435	1994	V6 2.8L	54	41	575	2003-97	V8 4.2L	54	49	850
1999	V6 3.0L AT		24F	585	1994	V6 2.8L Optional	54	41	650	2003-00	V8 4.2L Optional	54	95R	850
1999	V6 3.2L AT		24F	585	90					Allroad Quattro				
1994	V6 3.0L		35	435	1995-94	V6 2.8L		41	650	2005-04	V6 2.7L	54	94R	650
RDX					90 Quattro					2005-03	V8 4.2L	54	49	850
2013	V6 3.5L		24F	550	1995-94	V6 2.8L		41	650	2003	V6 2.7L	54	49	850
2012-07	L4 2.3L		35	440	A3					2002-01	V6 2.7L	54	94R	640
RL					2013-10	L4 2.0L Diesel	54,66	48	600	Cabriolet				
2012-09	V6 3.7L	11	24	550	2013-06	L4 2.0L	54,66	48	600	1998-94	V6 2.8L		41	650
2008-05	V6 3.5L	11	24	585	2009-06	V6 3.2L	54,66	48	600	Q5				
2004-96	V6 3.5L		24	550	A4					2012-11	L4 2.0L	54,66,67	48	600
RSX					2013-10	L4 2.0L	54,66,67	49	760	2012-09	V6 3.2L	54,66,67	48	600
2006-02	L4 2.0L		51R	400	2009-08	L4 2.0L	54,67	94R	640	Q7				
SLX					2008	V6 3.2L	54,66	49	760	2013-11	V6 3.0L	54,66,67	49	760
1999-98	V6 3.5L		24	585	2007	L4 2.0L	54	94R	640	2013-09	V6 3.0L Diesel	54,66,67	49	850
1999-98	V6 3.5L Optional		27	610	2007	V6 3.2L	54	94R	650	2010-07	V6 3.6L	54,66,67	49	760
1997	V6 3.2L		24	585	2006-98	L4 1.8L	54	48	570	2010-07	V8 4.2L	54,66,67	49	760
1997	V6 3.2L Optional		27	610	2006-05	L4 2.0L	54	48	570	R8				
1996	V6 3.2L		27	610	2006	V6 3.2L	54	94R	640	2013-10	V10 5.2L	54,66	95R	850
TL					2005-03	V6 3.0L	54	94R	650	2013-08	V8 4.2L	54,66	95R	850
2013-09	V6 3.7L	11	24F	550	2002-02	V6 3.0L	54	94R	640	RS4				
2013-07	V6 3.5L	11	24F	550	2001-98	V6 2.8L	54	48	570	2008-07	V8 4.2L		49	850
2008-04	V6 3.2L	11	24F	550	1997-96	V6 2.8L	54	48	540	RS6				
2003-99	V6 3.2L	11	24	550	1997	L4 1.8L	54	48	540	2004-03	V8 4.2L	54	49	850
1998-96	V6 3.2L		25	450	A4 Quattro					S4				
1998-95	L5 2.5L		35	450	2013-10	L4 2.0L	54,66,67	49	760	2013-10	V6 3.0L	54,66	49	850
TSX					2009-08	L4 2.0L	54,67	94R	640	2009-04	V8 4.2L	54	49	850
2013-10	V6 3.5L		24F	550	2009-08	V6 3.2L	54	49	760	2002	V6 2.7L Turbo	54	94R	640
2013-04	L4 2.4L		51R	430	2007-05	V6 3.2L	54	94R	650	2001-00	V6 2.7L	54	48	570
Vigor					2007	L4 2.0L	54	94R	640	1994	L5 2.2L Turbo	54	41	650
1994	L5 2.5L		35	435	2006-05	L4 2.0L	54	48	570	S5				
ZDX					2006-03	V6 3.0L	54	94R	650	2013-10	V6 3.0L	54,66	49	760
2013-10	V6 3.7L		24F	550	2005-98	L4 1.8L	54	48	570	2012-08	V8 4.2L	54,66	49	850
ALFA ROMEO					2002-02	V6 3.0L	54	94R	640	S6				
164					2001-98	V6 2.8L	54	48	570	2011-07	V10 5.2L	54,66,67	95R	850
1995-94	V6 3.0L	54	31A	685	1997-96	V6 2.8L	54	48	540	2003-02	V8 4.2L	54	49	720
8C					1997	L4 1.8L	54	48	540	1997-95	L5 2.2L	54	41	650
2008	V8 4.7L	66	24F	580	A5					S8				
Spider					2013-10	L4 2.0L	54,66,67	48	760	2009	V10 5.2L	54,67	95R	650
1994	L4 2.0L Factory installed	7	22F	300	A5 Quattro					2008-07	V10 5.2L	54,67	95R	850
1994	L4 2.0L Port of entry installed	7	34	550	2013-10	L4 2.0L	54,66,67	48	760	2003-02	V8 4.2L	54	49	720
AM GENERAL					2010-08	V6 3.2L	54,66,67	49	850	2001	V8 4.2L	54	49	850
Hummer					A6					TT				
2001-94	V8 6.5L Diesel	2	78	770	2013-12	L4 2.0L	54,66,67	49	850	2009-08	L4 2.0L	54,66	47	480
1996-95	V8 5.7L		78	770	2011-06	V6 3.2L	54,66,67	49	850	2006-00	L4 1.8L	45	N/A	480
					2004-03	V6 3.0L	54	94R	650	TT Quattro				
					2002-02	V6 3.0L	54	94R	640	2013-12	L5 2.5L	54,66	47	480
					2001-99	V6 2.8L	54	48	570	2013-09	L4 2.0L	54,66	47	480
					1998-95	V6 2.8L	54	41	650	2009-08	V6 3.2L		94R	650

Passenger Car & Light Truck

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
AUDI (Cont.)					BMW (Cont.)					BMW (Cont.)				
TT Quattro (Cont.)					135is (Cont.)					325i (Cont.)				
2006-04	V6 3.2L	45	N/A	480	2013	L6 3.0L Optional	54,57,66,67,69	49	850	2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	49	900
2006-00	L4 1.8L	45	N/A	480	2013	L6 3.0L Optional	54,57,66,67,69	49	900	2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	94R	640
V8 Quattro					2013	L6 3.0L Optional	54,57,66,67	94R	640	2004	L6 2.5L Eng. Code M56	54,57,66,67,69	49	900
1994	V8 4.2L	54	41	720	318i					2004	L6 2.5L Eng. Code M56 Optional	54,57,66,67,69	49	850
AVANTI					1999-98	L4 1.9L	54	91	600	2003-02	L6 2.5L ex. SULEV	54,57,66,67	94R	640
Avanti					1997-96	L4 1.9L Conv.	34,54	92	575	2003-02	L6 2.5L ex. SULEV Optional	54,57,66,67,69	48	570
2007-05	V8 4.6L		96R	590	1997-96	L4 1.9L ex. Conv.	54	91	600	2003-02	L6 2.5L SULEV	54,57,66,67,69	49	900
BENTLEY					1995-94	L4 1.8L	54	91	600	2003-02	L6 2.5L SULEV Optional	54,57,66,67,69	49	850
Arnage					318is					2001	L6 2.5L	54,57,66,67	94R	640
2009-08	V8 6.8L Auxiliary - Left Side	54	34	750	1999-98	L4 1.9L	54	91	600	2001	L6 2.5L Optional	54,57,66,67	48	570
2009-08	V8 6.8L Primary Battery - Right Side	54	91	700	1997-96	L4 1.9L Conv.	34,54	92	575	1995-94	L6 2.5L Conv.	34	92	575
2007-06	V8 6.8L		91	700	1997-96	L4 1.9L ex. Conv.	54	91	600	1995-94	L6 2.5L ex. Conv.	54	92	650
2005-00	V8 6.7L		91	700	1995-94	L4 1.8L	54	91	600	325is				
2001-99	V8 4.4L		91	700	318ti					1995-94	L6 2.5L Conv.	34,54	92	575
Azure					1999-96	L4 1.9L	54	91	600	1995-94	L6 2.5L ex. Conv.	54	92	650
2010-08	V8 6.8L Auxiliary - Left Side	54	34	750	1995	L4 1.8L	54	91	600	325xi				
2010-08	V8 6.8L Primary Battery - Right Side	54	91	700	2013-12	L4 2.0L	54,57,66,67,69	94R	800	2006	L6 3.0L	54,57,66,67,69	48	570
2007-06	V8 6.8L		91	700	2013-12	L4 2.0L Optional	54,57,66,67,69	49	850	2006	L6 3.0L Optional	54,57,66,67,69	48	760
2003-96	V8 6.7L		91	700	2005-01	L6 2.2L	54,57,66	48	570	2006	L6 3.0L Optional	54,57,66,67,69	49	720
Brooklands					2005-01	L6 2.2L Optional	54,57,66	94R	640	2006	L6 3.0L Optional	54,57,66,67,69	49	850
2009-08	V8 6.8L Auxiliary - Left Side	54	34	750	1995-94	L6 2.0L	54	91	600	2006	L6 3.0L Optional	54,57,66,67,69	49	900
2009-08	V8 6.8L Primary Battery - Right Side	54	91	700	320i xDrive					2005-04	L6 2.5L Eng. Code M54	54,57,66,67	94R	640
1998-94	V8 6.7L		91	700	2013	L4 2.0L	54,57,66,67,69	94R	800	2005-04	L6 2.5L Eng. Code M54 Optional	54,57,66,67	48	570
Continental					2013	L4 2.0L Optional	54,57,66,67,69	49	850	2005-04	L6 2.5L Eng. Code N52	54,57,66,67,69	48	570
2013-09	W12 6.0L Auxiliary - Left Side	54,66	49	850	323Ci					2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	49	720
2013-09	W12 6.0L Primary Battery - Right Side	54,66	47	610	2000	L6 2.5L Conv.	54,57,66	94R	640	2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	49	850
2008-04	W12 6.0L Auxiliary - Left Side		49	900	2000	L6 2.5L ex. Conv.	54,57,66,69	48	750	2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	49	900
2008-04	W12 6.0L Primary Battery - Right Side		47	650	323i					2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	94R	640
2003-98	V8 6.7L		24	650	2011-06	L6 2.5L	54,57,66,67,69	48	570	2003-01	L6 2.5L	54,57,66,67	48	570
2003	W12 6.0L		24	650	2011-06	L6 2.5L Optional	54,57,66,67,69	48	760	328Ci				
1997	V8 6.8L		24	650	2011-06	L6 2.5L Optional	54,57,66,67,69	49	720	2000	L6 2.8L	54,57,66,67	48	750
1996-94	V8 6.7L		24	650	2011-06	L6 2.5L Optional	54,57,66,67,69	49	850	328i				
Mulsanne					2011-06	L6 2.5L Optional	54,57,66,67,69	49	900	2013-12	L4 2.0L	54,57,66,67,69	94R	800
2013-11	V8 6.8L Auxiliary - Left Side	54,66	49	850	2011-06	L6 2.5L Optional	54,57,66,67,69	94R	640	2013-12	L4 2.0L Optional	54,57,66,67,69	49	850
2013-11	V8 6.8L Primary Battery - Right Side	54,66	47	610	2000-99	L6 2.5L	54	94R	765	2013-07	L6 3.0L	54,57,66,67	48	570
Turbo R					1998	L6 2.5L Conv.	34,54	92	575	2013-07	L6 3.0L Optional	54,57,66,67,69	48	760
1998-94	V8 6.7L		48	700	1998	L6 2.5L ex. Conv.	54	91	600	2013-07	L6 3.0L Optional	54,57,66,67,69	49	720
BMW					325Ci					2013-07	L6 3.0L Optional	54,57,66,67,69	49	850
1 Series M					2006-03	L6 2.5L ex. SULEV	54,57,66,67	94R	640	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2011	L6 3.0L	54,66,67,69	48	760	2006-03	L6 2.5L SULEV	54,57,66,67,69	49	900	2013-07	L6 3.0L Optional	54,57,66,67,69	49	850
128i					2006-03	L6 2.5L SULEV Optional	54,57,66,67,69	49	850	2013-07	L6 3.0L Optional	54,57,66,67,69	49	720
2013-08	L6 3.0L	54,57,66,67	48	570	2002-01	L6 2.5L	54,57,66,67	94R	640	2013-07	L6 3.0L Optional	54,57,66,67,69	49	850
2013-08	L6 3.0L Optional	54,57,66,67,69	48	760	325i					2013-07	L6 3.0L Optional	54,57,66,67,69	49	900
2013-08	L6 3.0L Optional	54,57,66,67,69	49	720	2006	L6 3.0L	54,57,66,67	48	570	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013-08	L6 3.0L Optional	54,57,66,67,69	49	850	2006	L6 3.0L Optional	54,57,66,67,69	48	760	2013-07	L6 3.0L Optional	54,57,66,67,69	49	850
2013-08	L6 3.0L Optional	54,57,66,67,69	49	900	2006	L6 3.0L Optional	54,57,66,67,69	49	720	2013-07	L6 3.0L Optional	54,57,66,67,69	49	900
2013-08	L6 3.0L Optional	54,57,66,67	94R	640	2006	L6 3.0L Optional	54,57,66,67,69	49	850	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
135i					2006	L6 3.0L Optional	54,57,66,67,69	49	900	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013-08	L6 3.0L	54,57,66,67	48	570	2006	L6 3.0L Optional	54,57,66,67,69	94R	640	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013-08	L6 3.0L Optional	54,57,66,67,69	48	760	2005-04	L6 2.5L Eng. Code M54	54,57,66,67	94R	640	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013-08	L6 3.0L Optional	54,57,66,67,69	49	720	2005-04	L6 2.5L Eng. Code M54 Optional	54,57,66,67	48	570	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013-08	L6 3.0L Optional	54,57,66,67,69	49	850	2005-04	L6 2.5L Eng. Code N52	54,57,66,67	48	570	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013-08	L6 3.0L Optional	54,57,66,67,69	49	900	2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	48	760	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013-08	L6 3.0L Optional	54,57,66,67	94R	640	2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67	49	720	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
135is					2005-04	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	49	850	2013-07	L6 3.0L Optional	54,57,66,67,69	94R	640
2013	L6 3.0L	54,57,66,67	48	570	2013	L6 2.5L Eng. Code N52 Optional	54,57,66,67,69	49	850	2013	L4 2.0L	54,57,66,67,69	94R	800
2013	L6 3.0L Optional	54,57,66,67,69	48	760						2013	L4 2.0L Optional	54,57,66,67,69	49	850
2013	L6 3.0L Optional	54,57,66,67	49	720										

Passenger Car & Light Truck

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
BMW (Cont.)					BMW (Cont.)					BMW (Cont.)				
328is					525i (Cont.)					535i GT xDrive				
1999-96	L6 2.8L Conv.	34,54	92	575	2004-02	L6 2.5L Optional	54,67	49	720	2013-11	L6 3.0L	54,57,66,67, 69	49	900
1998-96	L6 2.8L ex. Conv.	54	92	650	2001	L6 2.5L	54	49	850	2013-11	L6 3.0L Optional	54,57,66,67, 69	49	850
328xi					1995-94	L6 2.5L	54	92	650	535i xDrive				
2008-07	L6 3.0L	54,57,66,67	48	570	1995-94	L6 2.5L Optional	54	93	800	2013-11	L6 3.0L	54,57,66,67, 69	49	900
2008-07	L6 3.0L Optional	54,57,66,67, 69	48	760	525xi					2013-11	L6 3.0L Optional	54,57,66,67, 69	94R	800
2008-07	L6 3.0L Optional	54,57,66,67	49	720	2007-06	L6 3.0L	54,66,67	95R	850	2013-11	L6 3.0L Optional	54,57,66,67, 69	95R	950
2008-07	L6 3.0L Optional	54,57,66,67, 69	49	850	2007-06	L6 3.0L Optional	54,66,67	49	720	2013-09	L6 3.0L Optional	54,57,66,67, 69	49	850
2008-07	L6 3.0L Optional	54,57,66,67, 69	49	900	2007-06	L6 3.0L Optional	54,66,67	94R	640	2010-09	L6 3.0L	54,57,66,67	49	720
2008-07	L6 3.0L Optional	54,57,66,67	94R	640	528i					2010-09	L6 3.0L Optional	54,57,66,67, 69	94R	640
330Ci					2013-12	L4 2.0L	54,57,66,67, 69	49	850	2010-09	L6 3.0L Optional	54,57,66,67	95R	850
2006	L6 3.0L	54,67	48	570	2013-12	L4 2.0L Optional	54,57,66,67, 69	49	900	535xi				
2005-02	L6 3.0L	54,67	94R	640	2013-12	L4 2.0L Optional	54,57,66,67, 69	94R	800	2008	L6 3.0L	54,57,66,67	49	720
2001	L6 3.0L	54	94R	765	2013-12	L4 2.0L Optional	54,57,66,67	95R	950	2008	L6 3.0L Optional	54,57,66,67, 69	49	850
330i					2011-10	L6 3.0L	54,57,66,67, 69	49	850	2008	L6 3.0L Optional	54,57,66,67	94R	640
2006	L6 3.0L	54,67	48	570	2011-10	L6 3.0L Optional	54,57,66,67, 69	49	900	2008	L6 3.0L Optional	54,57,66,67	95R	850
2005-02	L6 3.0L	54,67	94R	640	2011-10	L6 3.0L Optional	54,57,66,67, 69	94R	800	540i				
2001	L6 3.0L	54	94R	765	2011-10	L6 3.0L Optional	54,57,66,67	95R	950	2003-02	V8 4.4L	54,67	49	720
330xi					2009-08	L6 3.0L	54,57,66,67	49	720	2003	V8 4.4L Optional	47,54,67	49	900
2006	L6 3.0L	54,67	48	570	2009-08	L6 3.0L Optional	54,57,66,67, 69	49	850	2001-97	V8 4.4L	54	49	850
2005-02	L6 3.0L	54,67	94R	640	2009-08	L6 3.0L Optional	54,57,66,67	94R	640	1995-94	V8 4.0L	54	93	800
2001	L6 3.0L	54	94R	765	2009-08	L6 3.0L Optional	54,57,66,67	95R	850	545i				
335d					2000-97	L6 2.8L	54	49	850	2005	V8 4.4L	54,67	94R	640
2011-09	L6 3.0L Diesel	54,57,66,67	48	570	528i xDrive					2004	V8 4.4L	54,67	95R	850
2011-09	L6 3.0L Diesel Optional	54,57,66,67, 69	48	760	2013-12	L4 2.0L	54,57,66,67, 69	49	850	550i				
2011-09	L6 3.0L Diesel Optional	54,57,66,67	49	720	2013-12	L4 2.0L Optional	54,57,66,67, 69	49	900	2013-11	V8 4.4L	54,57,66,67, 69	49	900
2011-09	L6 3.0L Diesel Optional	54,57,66,67, 69	49	850	2013-12	L4 2.0L Optional	54,57,66,67, 69	94R	800	2013-11	V8 4.4L Optional	54,57,66,67, 69	49	850
2011-09	L6 3.0L Diesel Optional	54,57,66,67, 69	49	900	2013-12	L4 2.0L Optional	54,57,66,67	95R	950	2013-11	V8 4.4L Optional	54,57,66,67	95R	950
2011-09	L6 3.0L Diesel Optional	54,57,66,67	94R	640	2010	L6 3.0L	54,57,66,67	49	850	2010-06	V8 4.8L	54,57,66,67	49	720
335i					2010	L6 3.0L Optional	54,57,66,67, 69	49	900	2010-06	V8 4.8L Optional	54,57,66,67, 69	49	850
2013-07	L6 3.0L	54,57,66,67	48	570	2010	L6 3.0L Optional	54,57,66,67, 69	94R	800	2010-06	V8 4.8L Optional	54,57,66,67	94R	640
2013-07	L6 3.0L Optional	54,57,66,67, 69	48	760	2010	L6 3.0L Optional	54,57,66,67	95R	950	2010-06	V8 4.8L Optional	54,57,66,67	95R	850
2013-07	L6 3.0L Optional	54,57,66,67, 69	49	720	2009	L6 3.0L	54,57,66,67	49	720	550i GT				
2013-07	L6 3.0L Optional	54,57,66,67, 69	49	850	2009	L6 3.0L Optional	54,57,66,67, 69	49	850	2013-10	V8 4.4L	54,57,66,67, 69	49	900
2013-07	L6 3.0L Optional	54,57,66,67, 69	49	900	2009	L6 3.0L Optional	54,57,66,67	94R	640	2013-10	V8 4.4L Optional	54,57,66,67, 69	49	850
2013-07	L6 3.0L Optional	54,57,66,67	94R	640	2009	L6 3.0L Optional	54,57,66,67	95R	850	550i GT xDrive				
335i xDrive					528xi					2013-10	V8 4.4L	54,57,66,67, 69	49	900
2013-09	L6 3.0L	54,57,66,67	48	570	2008	L6 3.0L	54,57,66,67	49	720	2013-10	V8 4.4L Optional	54,57,66,67, 69	49	850
2013-09	L6 3.0L Optional	54,57,66,67, 69	48	760	2008	L6 3.0L Optional	54,57,66,67, 69	49	850	550i xDrive				
2013-09	L6 3.0L Optional	54,57,66,67	49	720	2008	L6 3.0L Optional	54,57,66,67	94R	640	2013-11	V8 4.4L	54,57,66,67, 69	49	900
2013-09	L6 3.0L Optional	54,57,66,67, 69	49	850	2008	L6 3.0L Optional	54,57,66,67	95R	850	2013-11	V8 4.4L Optional	54,57,66,67, 69	49	850
2013-09	L6 3.0L Optional	54,57,66,67, 69	49	900	530i					2013-11	V8 4.4L Optional	54,57,66,67	95R	950
2013-09	L6 3.0L Optional	54,57,66,67	94R	640	2007-02	L6 3.0L Optional	54,57,66,67, 69	49	850	640i				
335is					2007-02	L6 3.0L Optional	54,57,66,67	94R	640	2013-12	L6 3.0L	54,57,66,67, 69	49	900
2013-11	L6 3.0L	54,57,66,67	48	570	2007-02	L6 3.0L Optional	54,57,66,67	95R	850	2013-12	L6 3.0L Optional	54,57,66,67, 69	49	850
2013-11	L6 3.0L Optional	54,57,66,67, 69	48	760	2007-01	L6 3.0L	54,57,66,67	49	720	2013-12	L6 3.0L Optional	54,57,66,67	95R	950
2013-11	L6 3.0L Optional	54,57,66,67	49	720	1995-94	V8 3.0L	54	93	800	640i Gran Coupe				
2013-11	L6 3.0L Optional	54,57,66,67, 69	49	850	530xi					2013	L6 3.0L	54,57,66,67, 69	49	850
2013-11	L6 3.0L Optional	54,57,66,67, 69	49	850	2007-06	L6 3.0L	54,57,66,67	49	720	2013	L6 3.0L Optional	54,57,66,67	95R	950
2013-11	L6 3.0L Optional	54,57,66,67, 69	49	900	2007-06	L6 3.0L Optional	54,57,66,67, 69	49	850	645Ci				
2013-11	L6 3.0L Optional	54,57,66,67	94R	640	2007-06	L6 3.0L Optional	54,57,66,67	94R	640	2005-04	V8 4.4L	54,67	95R	850
335xi					2007-06	L6 3.0L Optional	54,57,66,67	95R	850	650i				
2008-07	L6 3.0L	54,57,66,67	48	570	535i					2013-12	V8 4.4L	54,57,66,67, 69	49	850
2008-07	L6 3.0L Optional	54,57,66,67, 69	48	760	2013-11	L6 3.0L	54,57,66,67, 69	49	900	2013-12	V8 4.4L Optional	54,57,66,67	95R	950
2008-07	L6 3.0L Optional	54,57,66,67	49	720	2013-11	L6 3.0L Optional	54,57,66,67, 69	94R	800	2013-12	V8 4.4L Optional	54,57,66,67	95R	950
2008-07	L6 3.0L Optional	54,57,66,67, 69	49	850	2013-08	L6 3.0L Optional	54,57,66,67, 69	49	850	2010-06	V8 4.8L	54,57,66,67, 69	49	900
2008-07	L6 3.0L Optional	54,57,66,67, 69	49	900	2010-08	L6 3.0L	54,57,66,67	49	720	2010-06	V8 4.8L Optional	54,57,66,67, 69	49	850
2008-07	L6 3.0L Optional	54,57,66,67	94R	640	2010-08	L6 3.0L Optional	54,57,66,67	94R	640	2007-06	V8 4.8L Optional	54,57,66,67	95R	850
525i					2010-08	L6 3.0L Optional	54,57,66,67	95R	850	650i Gran Coupe				
2007-06	L6 3.0L	54,66,67	95R	850	535i GT					2013	V8 4.4L	54,57,66,67, 69	49	850
2007-06	L6 3.0L Optional	54,66,67	49	720	2013-10	L6 3.0L	54,57,66,67, 69	49	900	2013	V8 4.4L Optional	54,57,66,67	95R	950
2007-06	L6 3.0L Optional	54,66,67	94R	640	2013-10	L6 3.0L Optional	54,57,66,67, 69	49	850					
2005-02	L6 2.5L	54,67	94R	640										
2005	L6 2.5L Optional	54,67	49	900										

Passenger Car & Light Truck

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
BMW (Cont.)					BMW (Cont.)					BMW (Cont.)				
650i Gran Coupe xDrive					750Li (Cont.)					M3 (Cont.)				
2013	V8 4.4L	54,57,66,67, 69	49	850	2012	V8 4.4L Hybrid, Optional	54,57,66,67, 69	49	850	2013-08	V8 4.0L Optional	54,57,66,67, 54,57,66,67, 69	49	720
2013	V8 4.4L Optional	54,57,66,67	95R	950	2011-09	V8 4.4L	54,57,66,67, 69	49	900	2013-08	V8 4.0L Optional	54,57,66,67, 69	49	850
650i xDrive					2011-09	V8 4.4L Optional	54,57,66,67, 69	49	850	2013-08	V8 4.0L Optional	54,57,66,67, 69	49	900
2013-12	V8 4.4L	54,57,66,67, 69	49	850	2008-06	V8 4.8L	54,57,66,67, 69	49	900	2013-08	V8 4.0L Optional	54,57,66,67, 54	94R	640
2013-12	V8 4.4L Optional	54,57,66,67	95R	950	2008-06	V8 4.8L Optional	54,57,66,67, 69	49	850	2006	L6 3.2L	54	48	570
740i					750Li xDrive					2005-02	L6 3.2L	54	94R	640
2013-11	L6 3.0L	54,57,66,67, 69	49	900	2013-10	V8 4.4L	54,57,66,67, 69	49	900	2001	L6 3.2L	54	94R	765
2013-11	L6 3.0L Optional	54,57,66,67, 69	49	850	2013-10	V8 4.4L Optional	54,57,66,67, 69	49	850	1999-96	L6 3.2L Conv.	34,54	92	575
2001	V8 4.4L	54	95R	850	760i					1999-96	L6 3.2L ex. Conv.	54	92	650
2000-97	V8 4.4L	54	95R	950	2006	V12 6.0L	54,67	49	720	1995	L6 3.0L Conv.	34,54	92	575
1995	V8 4.0L	54	95R	950	2005-04	V12 6.0L	54,67	49	900	1995	L6 3.0L ex. Conv.	54	92	650
1994	V8 4.0L	54	93	800	760Li					1994	L6 3.0L	54	92	575
740iL					2013-10	V12 6.0L	54,57,66,67, 69	49	900	M5				
2001	V8 4.4L	54	95R	850	2013-10	V12 6.0L Optional	54,57,66,67, 69	49	850	2013	V8 4.4L	54,57,66,67, 69	49	900
2000-96	V8 4.4L	54	95R	950	2008-06	V12 6.0L	54,67	49	720	2013	V8 4.4L Optional	54,57,66,67, 69	49	850
1995	V8 4.0L	54	95R	950	2005-03	V12 6.0L	54,67	49	900	2010-06	V8 4.4L Optional	54,57,66,67, 54,57,66,67	95R	950
1994	V8 4.0L	54	93	800	840Ci					2010-06	V10 5.0L	54,57,66,67, 69	49	720
740Li					1997-96	V8 4.4L	54	93	800	2010-06	V10 5.0L Optional	54,57,66,67, 69	49	850
2013-11	L6 3.0L	54,57,66,67, 69	49	900	1997-96	V8 4.4L Optional	54	91	600	2010-06	V10 5.0L Optional	54,57,66,67, 69	94R	640
2013-11	L6 3.0L Optional	54,57,66,67, 69	49	850	1995-94	V8 4.0L Optional	54	91	600	2010-06	V10 5.0L Optional	54,57,66,67, 69	95R	850
740Li xDrive					1995	V8 4.0L	54	93	600	2003	V8 5.0L	54	95R	800
2013	L6 3.0L	54,57,66,67, 69	49	900	1994	V8 4.0L	54	93	800	2002-01	V8 5.0L	54	95R	850
2013	L6 3.0L Optional	54,57,66,67, 69	49	850	850Ci					2000	V8 5.0L	54	95R	950
745i					1997-95	V12 5.4L	54	93	800	M6				
2005-04	V8 4.4L	47,54,67	49	900	1997-95	V12 5.4L Optional	54	91	600	2013-12	V8 4.4L	54,57,66,67, 69	49	900
2003-02	V8 4.4L Optional	47,54,67	49	900	1994	V12 5.0L	54	93	800	2013-12	V8 4.4L Optional	54,57,66,67, 69	49	850
2003	V8 4.4L	54,67	95R	800	1994	V12 5.0L Optional	54	91	600	2010-06	V10 5.0L	54,57,66,67, 69	95R	950
2002	V8 4.4L	54,67	95R	850	850Csi					2010-06	V10 5.0L Optional	54,57,66,67, 69	49	900
745Li					1995-94	V12 5.6L	54	93	800	X1				
2005-04	V8 4.4L	47,54,67	49	900	1995-94	V12 5.6L Optional	54	91	600	2013-12	L4 2.0L	54,57,66,67, 54,57,66,67, 69	48	570
2003-02	V8 4.4L Optional	47,54,67	49	900	ActiveHybrid 3					2013-12	L4 2.0L Optional	54,57,66,67, 69	48	760
2003	V8 4.4L	54,67	95R	800	2013	L6 3.0L Hybrid	54,57,66,67, 69	94R	800	2013-12	L4 2.0L Optional	54,57,66,67, 69	94R	640
750i					2013	L6 3.0L Hybrid, Optional	54,57,66,67, 69	49	850	2013-12	L4 2.0L Optional	54,57,66,67, 69	94R	800
2013	V8 4.4L	54,57,66,67, 69	49	900	ActiveHybrid 5					2013-12	L6 3.0L	54,57,66,67, 69	48	570
2013	V8 4.4L Optional	54,57,66,67, 69	49	850	2013-12	L6 3.0L Hybrid	54,57,66,67, 69	95R	950	2013-12	L6 3.0L Optional	54,57,66,67, 69	48	760
2012	V8 4.4L Gas	54,57,66,67, 69	49	900	2013-12	L6 3.0L Hybrid, Optional	54,57,66,67, 69	49	850	2013-12	L6 3.0L Optional	54,57,66,67, 69	94R	640
2012	V8 4.4L Gas, Optional	54,57,66,67, 69	49	850	2013-12	L6 3.0L Hybrid, Optional	54,57,66,67, 69	49	900	X3				
2012	V8 4.4L Hybrid	54,57,66,67, 69	49	900	2013-12	L6 3.0L Hybrid, Optional	54,57,66,67, 69	94R	800	2013	L4 2.0L	54,57,66,67, 69	49	900
2012	V8 4.4L Hybrid, Optional	54,57,66,67, 69	49	850	ActiveHybrid 7					2013	L4 2.0L Optional	54,57,66,67, 69	49	850
2011-09	V8 4.4L	54,57,66,67, 69	49	900	2013	L6 3.0L Hybrid	54,57,66,67, 69	49	900	2013	L4 2.0L Optional	54,57,66,67, 69	94R	800
2011-09	V8 4.4L Optional	54,57,66,67, 69	49	850	2013	L6 3.0L Hybrid, Optional	54,57,66,67, 69	49	850	2013	L4 2.0L Optional	54,57,66,67, 69	95R	950
2008-06	V8 4.8L	54,57,66,67, 69	49	900	Alpina B7					2013	L6 3.0L	54,57,66,67, 69	49	900
2008-06	V8 4.8L Optional	54,57,66,67, 69	49	850	2013-11	V8 4.4L	54,57,66,67, 69	49	900	2013	L6 3.0L Optional	54,57,66,67, 69	49	850
750i xDrive					2013-11	V8 4.4L Optional	54,57,66,67, 69	49	850	2013	L6 3.0L Optional	54,57,66,67, 69	94R	800
2013-10	V8 4.4L	54,57,66,67, 69	49	900	2008-07	V8 4.4L	54	49	720	2013	L6 3.0L Optional	54,57,66,67, 69	95R	950
2013-10	V8 4.4L Optional	54,57,66,67, 69	49	850	Alpina B7 xDrive					2012-11	L6 3.0L 2979cc	54,57,66,67, 69	49	900
750iL					2013-11	V8 4.4L	54,57,66,67, 69	49	900	2012-11	L6 3.0L 2979cc, Optional	54,57,66,67, 69	49	850
2001	V12 5.4L	54	95R	850	2013-11	V8 4.4L Optional	54,57,66,67, 69	49	850	2012-11	L6 3.0L 2979cc, Optional	54,57,66,67, 69	94R	800
2001	V12 5.4L Auxiliary	54	48	650	Alpina B7L					2012-11	L6 3.0L 2979cc, Optional	54,57,66,67, 69	95R	950
2000-95	V12 5.4L	54	95R	950	2013-11	V8 4.4L	54,57,66,67, 69	49	900	2012-11	L6 3.0L 2996cc	54,57,66,67, 69	49	900
1999	V12 5.4L Auxiliary	54	48	650	2013-11	V8 4.4L Optional	54,57,66,67, 69	49	850	2012-11	L6 3.0L 2996cc, Optional	54,57,66,67, 69	94R	800
1994	V12 5.0L	54	93	800	Alpina B7L xDrive					2012-10	L6 3.0L 2996cc, Optional	54,57,66,67, 69	49	850
750Li					2013-11	V8 4.4L	54,57,66,67, 69	49	900	2010	L6 3.0L 2996cc	54,57,66,67	48	570
2013	V8 4.4L	54,57,66,67, 69	49	900	2013-11	V8 4.4L Optional	54,57,66,67, 69	49	850	2010	L6 3.0L 2996cc, Optional	54,57,66,67, 69	49	720
2013	V8 4.4L Optional	54,57,66,67, 69	49	850	M3					2010	L6 3.0L 2996cc, Optional	54,57,66,67, 69	49	900
2012	V8 4.4L Gas	54,57,66,67, 69	49	900	2013-08	V8 4.0L	54,57,66,67, 69	48	570	2009-04	L6 3.0L	54,57,66,67	48	570
2012	V8 4.4L Gas, Optional	54,57,66,67, 69	49	850	2013-08	V8 4.0L Optional	54,57,66,67, 69	48	760					
2012	V8 4.4L Hybrid	54,57,66,67, 69	49	900										

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BMW (Cont.)					BMW (Cont.)					BUICK (Cont.)				
X3 (Cont.)					Z3					LeSabre (Cont.)				
2009-04	L6 3.0L Optional	54,57,66,67	49	720	2002	L6 2.5L	54	48	570	1997	V6 3.8L Optional		78	770
2009-04	L6 3.0L Optional	54,57,66,67, 69	49	850	2002	L6 3.0L	54	48	570	1995-94	V6 3.8L Optional		78	770
2009-04	L6 3.0L Optional	54,57,66,67, 69	49	900	2002	L6 3.2L	54	48	570	1994	V6 3.8L		75	630
2006-04	L6 2.5L	54,67	48	570	2001-99	L6 2.5L	54	48	650	Lucerne				
2005-04	L6 2.5L Optional	54,67	49	720	2001-98	L6 3.2L	54	48	650	2011-09	V6 3.9L	54	94R	720
X5					2001	L6 3.0L	54	48	650	2011-09	V8 4.6L	54	94R	720
2013-12	V8 4.4L Optional	54,57,66,67	48	570	2000-97	L6 2.8L	54	48	650	2008	V6 3.8L	54	48	730
2013-11	L6 3.0L Gas, Optional	54,57,66,67	48	570	1998-96	L4 1.9L	54	48	650	2008	V8 4.6L	54	48	730
2013-11	L6 3.0L Gas, Optional	54,57,66,67	95R	950	Z4					2007-06	V6 3.8L	54	79	800
2013-10	V8 4.4L	54,57,66,67, 69	49	900	2013-12	L4 2.0L	54,57,66,67, 69	48	760	2007-06	V8 4.6L	54	79	800
2013-10	V8 4.4L Optional	54,57,66,67, 69	49	850	2013-12	L4 2.0L Optional	54,57,66,67, 69	94R	800	Park Avenue				
2013-10	V8 4.4L Optional	54,57,66,67	95R	950	2013-09	L6 3.0L	54,57,66,67, 69	48	760	2005-03	V6 3.8L ex. Supercharged		34	690
2013-09	L6 3.0L Diesel	54,57,66,67, 69	49	900	2013-09	L6 3.0L Optional	54,57,66,67, 69	94R	800	2005-03	V6 3.8L Supercharged		34	770
2013-09	L6 3.0L Diesel, Optional	54,57,66,67	48	570	2010	L6 3.0L Turbo	54,57,66,67, 69	48	760	2002-98	V6 3.8L ex. Supercharged		78	690
2013-09	L6 3.0L Diesel, Optional	54,57,66,67, 69	49	850	2010	L6 3.0L Turbo, Optional	54,57,66,67, 69	94R	800	2002-98	V6 3.8L Supercharged		78	770
2013-09	L6 3.0L Diesel, Optional	54,57,66,67	95R	950	2008-06	L6 3.0L	54,57,66,67	47	480	1997-96	V6 3.8L		78	690
2013-09	L6 3.0L Gas	54,57,66,67, 69	49	900	2008-06	L6 3.0L Optional	54,57,66,67	48	570	1997-94	V6 3.8L Optional		78	770
2013-09	L6 3.0L Gas, Optional	54,57,66,67, 69	49	850	2008-06	L6 3.0L Optional	54,57,66,67, 69	48	760	1995-94	V6 3.8L		78	600
2011	V8 4.4L Optional	47,54,66,67	48	750	2008-06	L6 3.0L Optional	54,57,66,67	94R	640	Rainier				
2010-07	V8 4.8L	54,57,66,67, 69	49	850	2008-06	L6 3.2L	54	47	480	2007-04	L6 4.2L	40	78	600
2010-07	V8 4.8L	54,57,66,67, 69	49	900	2005-04	L6 2.5L	54	47	480	2007-04	V8 5.3L	40	78	600
2010	V8 4.4L Optional	47,54,66,67	48	570	2005-04	L6 2.5L Optional	54	48	570	Regal				
2008-07	L6 3.0L	54,57,66,67, 69	49	850	2005-04	L6 2.5L Optional, Telematics	54	94R	640	2013-12	L4 2.4L Hybrid		47	525
2008-07	L6 3.0L	54,57,66,67, 69	49	900	2005-04	L6 3.0L	54	47	480	2013-11	L4 2.0L		48	615
2006-04	V8 4.4L	54	49	720	2005-04	L6 3.0L Optional	54	48	570	2012-11	L4 2.4L		48	615
2006-04	V8 4.8L	54,57,66,67	94R	640	2005-03	L6 3.0L Optional, Telematics	54	94R	640	2004-97	V6 3.8L Supercharged		78	770
2006-04	V8 4.8L Optional	54,57,66,67	94R	640	2003	L6 2.5L	54	48	570	2004	V6 3.8L ex. Supercharged		78	600
2006	L6 3.0L	54	49	720	2003	L6 3.0L	54	48	570	2003-97	V6 3.8L ex. Supercharged		78	690
2005-02	L6 3.0L	54	94R	640	Z8					1996	V6 3.1L		78	600
2005	V8 4.4L Optional	47,54,67	49	900	2003	V8 4.8L	54	49	740	1996	V6 3.8L		78	690
2003	V8 4.4L	54	49	740	2003	V8 5.0L	54	49	740	1995-94	V6 3.1L		75	525
2003	V8 4.6L	54	49	740	2002	V8 5.0L	54	49	720	1995-94	V6 3.8L		75	600
2002	L6 3.0L Optional	54	49	720	2001-00	V8 5.0L	54	49	850	Rendezvous				
2002	V8 4.4L	54	49	720	BUICK					2007-06	V6 3.5L		78	600
2002	V8 4.6L	54	49	720	Allure					2006	V6 3.6L		34	690
2001-00	V8 4.4L	54	49	850	2010	V6 3.0L		48	615	2005-04	V6 3.6L		78	600
2001	L6 3.0L	54	94R	765	2010	V6 3.6L		48	615	2005-02	V6 3.4L		78	600
X6					2009-05	V6 3.8L		34	750	Riviera				
2013-12	V8 4.4L	54,57,66,67, 69	49	900	2009	V8 5.3L		85	625	1999-98	V6 3.8L	54	79	840
2013-12	V8 4.4L Optional	54,57,66,67	48	570	2008-05	V6 3.6L		34	680	1997-95	V6 3.8L	54	76	970
2013-12	V8 4.4L Optional	54,57,66,67, 69	49	850	2008	V8 5.3L		85	590	Roadmaster				
2013-12	V8 4.4L Optional	54,57,66,67	95R	950	Century					1996-95	V8 5.7L		78	600
2013-11	L6 3.0L Optional	54,57,66,67, 69	49	850	2005-97	V6 3.1L		78	600	1994	V8 5.7L Sedan		75	525
2013-11	L6 3.0L Optional	54,57,66,67, 69	49	900	1996-94	L4 2.2L		75	525	1994	V8 5.7L Wagon		78	770
2013-08	L6 3.0L	54,57,66,67, 69	49	900	1996-94	V6 3.1L		75	525	Skylark				
2013-08	L6 3.0L Optional	54,57,66,67	95R	950	Commercial Chassis					1998-96	L4 2.4L		75	600
2011-10	V8 4.4L Gas	54,57,66,67, 69	49	900	1996-94	V8 5.7L		78	690	1998-94	V6 3.1L		75	600
2011-10	V8 4.4L Gas, Optional	54,57,66,67	48	570	Enclave					1995-94	L4 2.3L		75	600
2011-10	V8 4.4L Gas, Optional	54,57,66,67, 69	49	850	2013-10	V6 3.6L	54	48	660	Terraza				
2011-10	V8 4.4L Hybrid	54,57,66,67, 69	48	760	2009-08	V6 3.6L	54	48	730	2007-06	V6 3.9L		34	600
2011	V8 4.4L Gas, Optional	54,57,66,67	95R	950	Encore					2006-05	V6 3.5L		34	600
2010-08	L6 3.0L Optional	47,54,66,67	48	570	2013	L4 1.4L	54	47	525	Verano				
2009-08	L6 3.0L Optional	54,57,66,67, 69	49	850	LaCrosse					2013-12	L4 2.4L		48	615
2009-08	V8 4.4L	54,57,66,67, 69	49	900	2013-12	L4 2.4L Hybrid		47	525	2013	L4 2.0L		48	615
2009-08	V8 4.4L Optional	54,57,66,67	48	570	2013-10	V6 3.6L		48	615	CADILLAC				
2009-08	V8 4.4L Optional	54,57,66,67, 69	49	850	2011-10	L4 2.4L		48	615	ATS				
2009-08	V8 4.4L Optional	54,57,66,67, 69	49	850	2010	V6 3.0L	54	48	615	2013	L4 2.0L	54,69	48	700
2009-08	V8 4.4L Optional	54,57,66,67, 69	49	850	2009-08	V6 3.8L		34	720	2013	L4 2.5L	54,69	48	700
2009-08	V8 4.4L Optional	54,57,66,67	95R	950	2009-08	V8 5.3L		85	590	2013	V6 3.6L	54,69	48	700
LeSabre					2008	V6 3.6L	69	34	720	Catera				
2005-00	V6 3.8L				2007	V6 3.6L	69	34	750	2001-97	V6 3.0L	9	91	600
1999-95	V6 3.8L				2006	V6 3.8L		34	690	Commercial Chassis				
					2005	V6 3.6L	69	34	680	1996-94	V8 5.7L		78	770
					2005	V6 3.8L		34	680	CTS				
										2013-10	V6 3.0L	54	48	660
										2013-10	V6 3.6L	54	48	660
										2013-10	V8 6.2L	54	48	660

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YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
CADILLAC (Cont.)					CHEVROLET (Cont.)					CHEVROLET (Cont.)				
CTS (Cont.)					Aveo					C3500 (Cont.)				
2009-08	V6 3.6L	54	48	730	2011-04	L4 1.6L		86	550	2000	V8 7.4L		78	600
2009	V8 6.2L	54	48	730	Aveo5					1999	V8 5.7L Police & Optional		78	770
2007-06	V8 6.0L		101	540	2011-06	L4 1.6L		86	550	1999	V8 5.7L Primary Battery		78	600
2007-05	V6 2.8L		101	540	Beretta					1999	V8 7.4L Police & Optional		78	770
2007-04	V6 3.6L		101	540	1996-95	V6 3.1L		75	600	1999	V8 7.4L Primary Battery		78	600
2005-04	V8 5.7L		101	540	1996-94	L4 2.2L		75	600	1999	V8 7.4L Police & Optional		78	770
2004-03	V6 3.2L		101	540	1994	L4 2.3L		75	600	1999	V8 7.4L Primary Battery		78	600
DeVille					1994	V6 3.1L		75	525	1998-94	V8 5.7L		78	600
2005-00	V8 4.6L	54	79	800	1994	V6 3.1L Optional		75	600	1998-94	V8 7.4L		78	600
1999-94	V8 4.6L		78	770	Blazer					1996-94	V8 6.5L Diesel	2	78	770
1995-94	V8 4.9L		78	770	2005-95	V6 4.3L		75	525	Camaro				
DTS					2005-95	V6 4.3L Optional		75	690	2013-10	V6 3.6L	54	94R	720
2011-09	V8 4.6L	54	94R	720	1994	V8 5.7L		78	600	2013-10	V8 6.2L	54	94R	720
2008	V8 4.6L	54	48	730	1994	V8 6.5L Diesel	2	78	770	2002-95	V6 3.8L		75	690
2007-06	V8 4.6L	54	79	800	C1500					2002-94	V8 5.7L		75	525
Eldorado					1999-94	V8 5.0L		78	600	1995-94	V6 3.4L		75	525
2002-94	V8 4.6L		78	770	1999-94	V8 5.7L		78	600	Caprice				
Escalade					1999	V8 5.0L Optional		78	690	2013-12	V6 3.6L Police Package	54	94R	765
2013-12	V8 6.0L Hybrid		48	660	1999	V8 5.7L Optional		78	690	2013-11	V8 6.0L Police Package	54	94R	765
2013-12	V8 6.2L		48	660	1999	V8 5.7L Optional		78	690	1996-95	V8 4.3L		78	600
2013-09	V8 6.0L Hybrid, Optional		48	730	1998-97	V8 6.5L Diesel	2	78	600	1996-95	V8 5.7L Primary Battery		78	600
2013-09	V8 6.2L Optional		48	730	1998-94	V6 4.3L		78	600	1996-95	V8 5.7L SEO or Optional		78	770
2011-09	V8 6.0L Hybrid		48	615	1996-94	V8 6.5L Diesel	2	78	770	1994	V8 4.3L		75	525
2011-07	V8 6.2L		48	615	C1500 Suburban					1994	V8 5.7L		78	770
2006-02	V8 6.0L		78	600	1999-97	V8 6.5L Diesel	2	78	600	1994	V8 5.7L		78	770
2005-02	V8 5.3L		78	600	1999-94	V8 5.7L		78	600	Captiva Sport				
2000-99	V8 5.7L		78	600	1999	V8 5.7L Optional		78	690	2013-12	L4 2.4L		48	615
2000-99	V8 5.7L Optional		78	690	1999	V8 6.5L Diesel & Optional	2	78	690	2012	V6 3.0L		48	660
Fleetwood					1996-95	V8 6.5L Diesel	2	78	770	Cavalier				
1996-95	V8 5.7L RWD		78	770	C2500					2005-94	L4 2.2L		75	525
1994	V8 5.7L		78	770	2000-99	V8 5.7L Optional		78	690	2002-96	L4 2.4L		75	600
Seville					2000-99	V8 6.5L Diesel & Optional	2	78	690	2002	L4 2.2L		75	600
2004-98	V8 4.6L	54	79	800	2000-99	V8 7.4L Optional		78	600	1995	L4 2.3L		75	600
1997-94	V8 4.6L		78	770	2000-97	V8 6.5L Diesel	2	78	600	1994	V6 3.1L		75	525
SRX					2000	V8 5.7L		78	600	Classic				
2013-12	V6 3.6L		48	660	2000	V8 7.4L		78	600	2005-04	L4 2.2L		75	525
2011-10	V6 2.8L		48	615	2000	V8 7.4L		78	600	Cobalt				
2011-10	V6 3.0L		48	615	1999	V8 5.7L Police & Optional		78	770	2010-09	L4 2.0L	54	90	590
2009-08	V6 3.6L		48	730	1999	V8 5.7L Primary Battery		78	600	2010-08	L4 2.2L	54	90	590
2009-08	V8 4.6L		48	730	1999	V8 7.4L Police & Optional		78	770	2008-05	L4 2.0L	54	90	600
2007-04	V6 3.6L		101	540	1999	V8 7.4L Primary Battery		78	600	2008	L4 2.4L	54	90	590
2007-04	V8 4.6L		101	540	1999	V8 7.4L Police & Optional		78	770	2007-06	L4 2.4L	54	90	600
STS					1999	V8 7.4L Primary Battery		78	600	2007-05	L4 2.2L	54	90	600
2011-10	V6 3.6L		48	660	1998-94	V8 5.0L		78	600	Colorado				
2010	V8 4.6L		48	660	1998-94	V8 5.7L		78	600	2012-10	V8 5.3L	40	86	590
2009-08	V6 3.6L		48	730	1998-94	V8 7.4L		78	600	2012-08	L4 2.9L	40	86	590
2009-08	V8 4.4L		48	730	1997	V8 5.0L Optional		78	690	2012-08	L5 3.7L	40	86	590
2009-08	V8 4.6L		48	730	1996-94	V8 6.5L Diesel	2	78	770	2009	V8 5.3L	11,40	86	590
2007-06	V8 4.4L		101	540	1995-94	V6 4.3L		78	600	2007	L4 2.9L	11,40	86	640
2007-05	V6 3.6L		101	540	C2500 Suburban					2007	L5 3.7L	11,40	86	590
2007-05	V8 4.6L		101	540	1999-97	V8 6.5L Diesel	2	78	600	2006-04	L4 2.8L	11,40	86	640
XLR					1999	V8 5.7L Optional		78	690	2006-04	L5 3.5L	11,40	86	590
2009-08	V8 4.4L		85	590	1999	V8 5.7L Police & Optional		78	770	Commercial Chassis				
2009-08	V8 4.6L		85	590	1999	V8 5.7L Primary Battery		78	600	1994	V8 5.7L		78	690
2007-06	V8 4.4L	54	90	590	1999	V8 6.5L Diesel & Optional	2	78	690	Corsica				
2007-06	V8 4.6L	54	90	590	1999	V8 7.4L Optional		78	690	1996-95	V6 3.1L		75	600
2005-04	V8 4.6L	54	86	590	1999	V8 7.4L Police & Optional		78	770	1996-94	L4 2.2L		75	525
XTS					1999	V8 7.4L Primary Battery		78	600	1996-94	L4 2.2L Optional		75	600
2013	V6 3.6L		48	660	1999	V8 6.5L Diesel & Optional	2	78	690	1994	V6 3.1L		75	525
CHEVROLET					1999	V8 7.4L Optional		78	600	1994	V6 3.1L Optional		75	600
Astro					1999	V8 7.4L Police & Optional		78	770	Corvette				
2005-94	V6 4.3L		78	600	1999	V8 7.4L Primary Battery		78	600	2013-09	V8 7.0L	54	90	590
2005-02	V6 4.3L Optional		78	770	1998-94	V8 5.7L		78	600	2013	V8 6.2L VIN W ex. Z52		85	590
Avalanche					1998-94	V8 7.4L		78	600	2013	V8 6.2L VIN W Z52 & VIN T	54	90	590
2013-09	V8 5.3L Optional		48	730	1996-94	V8 6.5L Diesel	2	78	770	2012-11	V8 6.2L ex. ZR1		85	590
2013-07	V8 5.3L		48	615	C3500					2012-11	V8 6.2L ZR1	54	90	590
2009-07	V8 6.0L		48	615	2002-99	V8 6.5L Diesel & Optional	2	78	690	2010	V8 6.2L ex. Z52		85	590
2009	V8 6.0L Optional		48	730	2002-97	V8 6.5L Diesel	2	78	600	2010	V8 6.2L Z52	54	90	590
Avalanche 1500					2002-01	V8 8.1L		78	600	2009-08	V8 6.2L		85	590
2006-02	V8 5.3L		78	600	2002-01	V8 8.1L Optional		78	690	2008-07	V8 7.0L	54	90	600
Avalanche 2500					2000-99	V8 5.7L Optional		78	690					
2006-02	V8 8.1L		78	600	2000-99	V8 7.4L Optional		78	600					
					2000	V8 5.7L		78	600					

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CHEVROLET (Cont.)					CHEVROLET (Cont.)					CHEVROLET (Cont.)				
Corvette (Cont.)					Express 3500 (Cont.)					K2500 (Cont.)				
2007	V8 6.0L	54	90	600	2000-96	V8 7.4L		78	600	2000	V8 5.7L		78	600
2006	V8 6.0L		90	590	2000	V8 7.4L Optional		78	690	2000	V8 7.4L		78	600
2006	V8 7.0L	54	90	590	Express 4500					1999	V8 7.4L Police & Optional		78	770
2005	V8 6.0L		86	590	2013-09	V8 6.0L		78	600	1999	V8 7.4L Primary Battery		78	600
2004	V8 5.7L		86	590	2013-09	V8 6.6L Diesel	2	78	770	1998-97	V8 5.0L		78	600
2003	V8 5.7L	47	75	600	G10					1998-94	V8 5.7L		78	600
2002	V8 5.7L	47	75	525	1995-94	V6 4.3L		78	600	1998-94	V8 7.4L		78	600
2001	V8 5.7L	47	75	500	1995-94	V8 5.0L		78	600	1998-94	V8 6.5L Diesel	2	78	770
2000-97	V8 5.7L		78	600	G20					1995-94	V6 4.3L		78	600
1996-94	V8 5.7L 16 Valve		75	525	1995-94	V6 4.3L		78	600	1995-94	V8 5.0L		78	600
1996-94	V8 5.7L 32 Valve		75	690	1995-94	V8 5.0L		78	600	K2500 Suburban				
Cruze					1995-94	V8 5.7L		78	600	1999-97	V8 6.5L Diesel	2	78	600
2013-11	L4 1.4L		47	525	1995-94	V8 6.5L Diesel	2	78	600	1999	V8 5.7L Optional		78	690
2013-11	L4 1.8L		47	525	G30					1999	V8 5.7L Police & Optional		78	770
Epica					1996-94	V8 5.7L		78	600	1999	V8 5.7L Primary Battery		78	600
2006-04	L6 2.5L		34	600	1996-94	V8 6.5L Diesel	2	78	600	1999	V8 6.5L Diesel & Optional	2	78	690
Equinox					1996-94	V8 7.4L		78	600	1999	V8 7.4L Optional		78	690
2013-10	L4 2.4L		47	525	1995-94	V6 4.3L		78	600	1999	V8 7.4L Police & Optional		78	770
2013	V6 3.6L		48	660	HHR					1999	V8 7.4L Primary Battery		78	600
2012	V6 3.0L		48	660	2011-06	L4 2.2L	54	90	600	1999	V8 6.5L Diesel & Optional		78	690
2011-10	V6 3.0L		48	615	2011-06	L4 2.4L	54	90	600	1999	V8 7.4L Optional		78	690
2009-08	V6 3.6L		47	650	2010-08	L4 2.0L	54	90	600	1999	V8 7.4L Police & Optional		78	770
2009-07	V6 3.4L		47	650	Impala					1999	V8 7.4L Primary Battery		78	600
2006-05	V6 3.4L		75	600	2013-12	V6 3.6L ex. Police		34	600	1998-94	V8 5.7L		78	600
Express 1500					2013-12	V6 3.6L Police		34	720	1998-94	V8 7.4L		78	600
2013-96	V6 4.3L		78	600	2011-10	V6 3.9L ex. Police		34	600	1996-94	V8 6.5L Diesel	2	78	770
2013-03	V8 5.3L		78	600	2011-10	V6 3.9L Police		34	720	K3500				
2005-03	V6 4.3L Optional		79	800	2011-08	V6 3.5L		34	600	2000-99	V8 5.7L Optional		78	690
2005-03	V8 5.3L Optional		79	800	2009-08	V8 5.3L		85	590	2000-99	V8 6.5L Diesel & Optional	2	78	690
2002-96	V8 5.0L		78	600	2009	V6 3.9L		34	600	2000-99	V8 7.4L Optional		78	690
2002-96	V8 5.7L		78	600	2008	V6 3.9L		34	720	2000-97	V8 6.5L Diesel	2	78	600
2002	V6 4.3L Optional		78	770	2007-06	V6 3.5L		34	690	2000	V8 5.7L		78	600
2002	V8 5.0L Optional		78	770	2007-06	V6 3.9L		34	750	2000	V8 7.4L		78	600
2002	V8 5.7L Optional		78	770	2007-06	V8 5.3L		85	625	1999	V8 5.7L Police & Optional		78	770
2001-00	V6 4.3L Optional		78	690	2005-03	V6 3.8L		78	600	1999	V8 5.7L Primary Battery		78	600
2001-00	V8 5.0L Optional		78	690	2005-00	V6 3.4L		78	600	1999	V8 7.4L Police & Optional		78	770
2001-00	V8 5.7L Optional		78	690	2002-00	V6 3.8L Optional		78	690	1999	V8 7.4L Primary Battery		78	600
Express 2500					2000	V6 3.4L Optional		78	690	1999	V8 7.4L Police & Optional		78	770
2013-07	V8 6.6L Diesel	2	78	770	2000	V6 3.8L		78	600	1999	V8 7.4L Primary Battery		78	600
2013-03	V8 4.8L		78	600	1996-95	V8 5.7L Primary Battery		78	600	1999	V8 7.4L Police & Optional		78	770
2013-03	V8 6.0L		78	600	1996-95	V8 5.7L SEO or Optional		78	770	1999	V8 7.4L Primary Battery		78	600
2006	V8 6.6L Diesel	2	79	800	1994	V8 5.7L		78	770	1998-94	V8 5.7L		78	600
2005-96	V6 4.3L		78	600	K1500					1998-94	V8 7.4L		78	600
2005-03	V6 4.3L Optional		79	800	1999	V8 5.0L Optional		78	690	1996-94	V8 6.5L Diesel	2	78	770
2005-03	V8 4.8L Optional		79	800	1999	V8 5.0L Police & Optional		78	770	LLV				
2005-03	V8 5.3L		78	600	1999	V8 5.0L Primary Battery		78	600	1995-94	L4 2.2L		75	525
2005-03	V8 5.3L Optional		79	800	1999	V8 5.7L Optional		78	690	1995-94	L4 2.2L Optional		78	690
2005-03	V8 6.0L Optional		79	800	1999	V8 5.7L Police & Optional		78	770	Lumina				
2002-96	V8 5.0L		78	600	1999	V8 5.7L Primary Battery		78	600	2001-96	V6 3.1L		78	600
2002-96	V8 5.7L		78	600	1998-97	V8 6.5L Diesel	2	78	600	1999-98	V6 3.8L		78	690
2002	V6 4.3L Optional		78	770	1998-94	V6 4.3L		78	600	1997-96	V6 3.4L		78	690
2002	V8 5.0L Optional		78	770	1998-94	V8 5.0L		78	600	1995-94	V6 3.1L Primary Battery		75	525
2002	V8 5.7L Optional		78	770	1998-94	V8 5.7L		78	600	1995-94	V6 3.1L SEO or Optional		75	690
2002	V8 6.5L Diesel	2	78	770	1996-94	V8 6.5L Diesel	2	78	770	1995-94	V6 3.4L		75	690
2001-00	V6 4.3L Optional		78	690	K1500 Suburban					Lumina APV				
2001-00	V8 5.0L Optional		78	690	1999-97	V8 6.5L Diesel	2	78	600	1996	V6 3.4L		75	525
2001-00	V8 5.7L Optional		78	690	1999	V8 5.7L Optional		78	690	1995-94	V6 3.1L		75	525
2001-00	V8 6.5L Diesel & Optional	2	78	690	1999	V8 5.7L Police & Optional		78	770	1995-94	V6 3.8L		75	630
2001	V8 6.5L Diesel	2	78	600	1999	V8 5.7L Primary Battery		78	600	Malibu				
1999-96	V8 6.5L Diesel	2	78	600	1999	V8 6.5L Diesel & Optional	2	78	690	2013	L4 2.0L		47	525
Express 3500					1998-94	V8 5.7L		78	600	2013	L4 2.4L Hybrid		47	525
2013-07	V8 6.6L Diesel	2	78	770	1996-95	V8 6.5L Diesel	2	78	770	2013	L4 2.5L		47	525
2013-05	V8 4.8L		78	600	K2500					2012-09	L4 2.4L		90	590
2013-03	V8 6.0L		78	600	2000-99	V8 5.7L Optional		78	690	2012-08	V6 3.6L		90	590
2006	V8 6.6L Diesel	2	79	800	2000-99	V8 6.5L Diesel & Optional	2	78	690	2010-08	V6 3.5L		90	590
2005-03	V8 6.0L Optional		79	800	2000-99	V8 7.4L Optional		78	690	2008	L4 2.2L		90	590
2002-96	V8 5.7L		78	600	2000-99	V8 6.5L Diesel	2	78	600	2008	L4 2.4L Hybrid		90	590
2002-01	V8 8.1L		78	600	K2500					2007-04	L4 2.2L		75	525
2002	V8 5.7L Optional		78	770	1999-97	V8 6.5L Diesel	2	78	600	2007	V6 3.5L		75	690
2002	V8 6.5L Diesel	2	78	770	1999	V8 5.7L Police & Optional		78	770	2007	V6 3.9L		75	690
2002	V8 8.1L Optional		78	770	1999	V8 6.5L Diesel & Optional	2	78	690	2006-04	V6 3.5L		75	525
2001-96	V8 6.5L Diesel	2	78	600	1998-94	V8 5.7L		78	600	2006	V6 3.9L		75	590
2001-00	V8 5.7L Optional		78	690	1996-94	V8 6.5L Diesel	2	78	770	2003-97	V6 3.1L		75	600
2001-00	V8 6.5L Diesel & Optional	2	78	690	K1500 Suburban									
2001	V8 8.1L Optional		78	690	1999-97	V8 6.5L Diesel	2	78	600					

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CHEVROLET (Cont.)					CHEVROLET (Cont.)					CHEVROLET (Cont.)				
Malibu (Cont.)					Silverado 1500 HD (Cont.)					Suburban 2500 (Cont.)				
1999-97	L4 2.4L		75	600	2007	V8 6.0L Late		48	615	2005-03	V8 6.0L Optional		78	770
Metro					2006-05	V8 6.0L		78	600	2005-03	V8 8.1L Optional		78	770
2001-98	L4 1.3L		26R	390	2003-01	V8 6.0L		78	600	2002-01	V8 8.1L Optional		78	690
2000-98	L3 1.0L		26R	390	2003-01	V8 6.0L Optional		78	770	2002-00	V8 6.0L Optional		78	690
Monte Carlo					Silverado 2500					2001-00	V8 6.0L Primary Battery		78	600
2007-06	V8 5.3L		85	625	2004-99	V8 6.0L		78	600	2001	V8 8.1L Primary Battery		78	600
2007	V6 3.5L		34	690	2004-99	V8 6.0L Optional		78	770	2000	V8 6.0L Police & Optional		78	770
2006	V6 3.5L		34	600	2000-99	V8 5.3L		78	600	Tahoe				
2006	V6 3.9L		34	750	2000-99	V8 5.3L Optional		78	770	2013-12	V8 5.3L		48	660
2005-04	V6 3.8L		78	770	Silverado 2500 HD					2013-12	V8 6.0L Hybrid		48	660
2005-00	V6 3.4L		78	600	2013-09	V8 6.0L Optional		48	730	2013-09	V8 5.3L Optional		48	730
2003-98	V6 3.8L		78	600	2013-08	V8 6.0L		48	730	2013-09	V8 6.0L Hybrid, Optional		48	730
2000	V6 3.4L Optional		78	690	2007-03	V8 6.6L Diesel	2	78	770	2011-08	V8 6.0L Hybrid		48	615
2000	V6 3.8L Optional		78	690	2007	V8 6.0L Early		78	600	2011-07	V8 5.3L		48	615
1999-96	V6 3.1L		78	600	2007	V8 6.0L Late		48	615	2009-08	V8 6.2L		48	615
1997-96	V6 3.4L		78	600	2007	V8 8.1L Early		78	600	2009-08	V8 6.2L Optional		48	730
1995	V6 3.1L Primary Battery		75	525	2007	V8 8.1L Late		48	615	2009-07	V8 4.8L		48	615
1995	V6 3.1L SEO or Optional		75	690	2006-01	V8 6.0L		78	600	2009	V8 4.8L Optional		48	730
1995	V6 3.4L		75	690	2006-01	V8 8.1L		78	600	2006-00	V8 4.8L		78	600
Optra					2005-01	V8 6.0L Optional		78	770	2006-00	V8 5.3L		78	600
2007-04	L4 2.0L		86	640	2005-01	V8 8.1L Optional		78	770	2005-03	V8 4.8L Optional		78	770
Orlando					2002-01	V8 6.6L Diesel	2	78	600	2005-03	V8 5.3L Optional		78	770
2013-12	L4 2.4L		48	615	2002-01	V8 6.6L Diesel Optional	2	78	770	2002-00	V8 4.8L Optional		78	690
P30					Silverado 3500					2001-00	V8 5.3L Optional		78	690
1999-94	V6 4.3L		78	600	2007-03	V8 6.6L Diesel	2	78	770	2000-99	V8 5.7L Optional		78	690
1999-94	V8 5.7L		78	600	2007	V8 6.0L Early		78	600	2000	V8 5.7L		78	600
1999-94	V8 6.5L Diesel	2	78	600	2007	V8 6.0L Late		48	615	1999	V8 5.7L Police & Optional		78	770
1999-94	V8 7.4L		78	600	2007	V8 8.1L Late		48	615	1999	V8 5.7L Primary Battery		78	600
Prizm					2006-01	V8 6.0L		78	600	1999	V8 6.5L Diesel	2	78	690
2002-98	L4 1.8L		35	310	2006-01	V8 8.1L		78	600	1998-97	V8 6.5L Diesel	2	78	600
S10					2005-01	V8 6.0L Optional		78	770	1998-95	V8 5.7L		78	600
2004-03	V6 4.3L		75	525	2005-01	V8 8.1L Optional		78	770	1996-95	V8 6.5L Diesel	2	78	770
2004-03	V6 4.3L Optional		75	690	2004	V8 6.6L Diesel Optional	2	78	770	Tracker				
2003-94	L4 2.2L		75	525	2002-01	V8 6.6L Diesel	2	78	600	2004-01	V6 2.5L		85	600
2003	L4 2.2L Optional		75	690	2002-01	V8 6.6L Diesel Optional	2	78	770	2003	L4 2.0L		85	600
2002	V6 4.3L		75	690	Silverado 3500 HD					2002-99	L4 1.6L		85	550
2001-94	V6 4.3L		75	525	2013-09	V8 6.0L Optional		48	730	2002-99	L4 2.0L		85	550
2001-94	V6 4.3L Optional		75	690	2013-08	V8 6.0L		48	615	1998	L4 1.6L		26R	500
2000-94	L4 2.2L Optional		75	690	2013-08	V8 6.6L Diesel	2	48	730	Trailblazer				
S10 Blazer					2007	V8 6.0L Early		78	600	2009-06	V8 6.0L	40	78	600
1994	V6 4.3L		75	525	2007	V8 6.0L Late		48	615	2009-02	L6 4.2L	40	78	600
Silverado 1500					2007	V8 6.6L Diesel	2	78	770	2008-03	V8 5.3L	40	78	600
2013-09	V6 4.3L Optional		48	730	Sonic					Traverse				
2013-09	V8 4.8L Optional		48	730	2013-12	L4 1.4L		47	525	2013-10	V6 3.6L	54	48	660
2013-09	V8 5.3L Optional		48	730	2013-12	L4 1.8L		47	525	2009	V6 3.6L	54	48	730
2013-09	V8 6.2L		48	615	Spark					Uplander				
2013-09	V8 6.2L Optional		48	730	2013	L4 1.2L	45,52	L1	410	2009-06	V6 3.9L		34	600
2013-08	V6 4.3L		48	615	SSR					2006-05	V6 3.5L		34	600
2013-08	V8 4.8L		48	615	2006-05	V8 6.0L		78	600	Venture				
2013-08	V8 5.3L		48	615	2004-03	V8 5.3L		78	600	2005-97	V6 3.4L		78	600
2013	V8 6.0L Hybrid		48	730	Suburban 1500					Volt				
2012-10	V8 6.0L Hybrid		48	615	2013-12	V8 5.3L		48	660	2013-11	L4 1.4L Hybrid	45	N/A	0
2012-10	V8 6.0L Hybrid, Optional		48	730	2013-09	V8 5.3L Optional		48	730	CHRYSLER				
2009-08	V8 6.0L		48	615	2011-07	V8 5.3L		48	615	200				
2009	V8 6.0L Optional		48	730	2009-07	V8 6.0L		48	615	2013-11	L4 2.4L		86	525
2007-07	V8 5.3L Early		78	600	2009	V8 6.0L Optional		48	730	2013-11	V6 3.6L		86	525
2007-07	V8 5.3L Late		48	615	2006-02	V8 5.3L		78	600	300				
2007	V6 4.3L Early		78	600	2006	V8 6.0L		78	600	2013-12	V8 6.4L	54	94R	730
2007	V6 4.3L Late		48	615	2006	V8 6.0L Optional		78	690	2013-11	V6 3.6L	54	94R	730
2007	V8 4.8L Early		78	600	2005-03	V8 5.3L Optional		78	770	2013-05	V8 5.7L	54	94R	730
2007	V8 4.8L Late		48	615	2002-00	V8 5.3L Optional		78	690	2010-05	V6 2.7L	54	94R	730
2007	V8 6.0L Early		78	600	2001-00	V8 5.3L Primary Battery		78	600	2010-05	V6 3.5L	54	94R	730
2007	V8 6.0L Late		48	615	2000	V8 5.3L Police & Optional		78	770	2010-05	V8 6.1L	54	94R	730
2006-99	V6 4.3L		78	600	Suburban 2500					300M				
2006-99	V8 4.8L		78	600	2013-12	V8 6.0L		48	660	2004-99	V6 3.5L		34	600
2006-99	V8 5.3L		78	600	2013-09	V8 6.0L Optional		48	730	Aspen				
2006-03	V8 6.0L		78	600	2011-07	V8 6.0L		48	615	2009-07	V8 4.7L		65	750
2005-99	V6 4.3L Optional		78	770	2006-02	V8 6.0L		78	600	2009-07	V8 5.7L		65	750
2005-99	V8 4.8L Optional		78	770	2006-02	V8 8.1L		78	600					
2005-99	V8 5.3L Optional		78	770										
2005-03	V8 6.0L Optional		78	770										
Silverado 1500 HD														
2007	V8 6.0L Early		78	600										

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CHRYSLER (Cont.)					CHRYSLER (Cont.)					DODGE (Cont.)				
Cirrus					Sebring (Cont.)					B1500 (Cont.)				
2000-99	L4 2.4L		75	510	1997-96	L4 2.0L ex. Conv., MT		86	430	1995	V8 5.2L ex. Cutaway Opt.		27	750
2000-95	V6 2.5L		75	510						B250				
2000	L4 2.0L		75	510	1997-96	L4 2.4L ex. Conv., AT		86	525	1994	V6 3.9L Cutaway V6 3.9L ex. Cutaway	16	27	810
1997-95	L4 2.4L		75	510	1997-96	L4 2.4L ex. Conv., MT		86	430	1994	V6 3.9L ex. Cutaway		27	600
Concorde					1997-95	L4 2.0L ex. Conv., AT		86	525	1994	V6 3.9L ex. Cutaway Opt.	16	27	750
2004-98	V6 2.7L		34	500	1995	L4 2.0L ex. Conv., MT		86	525	1994	V8 5.2L Cutaway V8 5.2L ex. Cutaway		27	810
2004-02	V6 3.5L		34	600	Town & Country					1994	V8 5.2L ex. Cutaway		27	600
2001-98	V6 3.2L		34	600	2013-12	V6 3.6L		94R	730	1994	V8 5.2L ex. Cutaway Opt.		27	750
1997-95	V6 3.5L		34	600	2011	V6 3.6L		94R	700	1994	V8 5.9L Cutaway V8 5.9L ex. Cutaway	16	27	810
1996-95	V6 3.3L		34	600	2010-08	V6 4.0L		34	600	1994	V8 5.9L ex. Cutaway		27	600
1994	V6 3.3L		34	500	2010-07	V6 3.3L		34	600	1994	V8 5.9L ex. Cutaway Opt.		27	750
1994	V6 3.5L		34	500	2010-07	V6 3.8L		34	600	B2500				
Crossfire					2006-96	V6 3.3L		34	500	1998-96	V8 5.2L		27	600
2008	V6 3.2L	39	48	700	2006-94	V6 3.8L Optional		34	600	1998-96	V8 5.2L Optional		27	750
2007-06	V6 3.2L	39	48	640	2006-04	V6 3.3L Optional		34	600	1998-96	V8 5.9L		27	600
2005-05	V6 3.2L	39	48	700	2006-03	V6 3.8L		34	500	1998-96	V8 5.9L Optional		27	750
2004	V6 3.2L	39	48	580	2001	V6 3.8L		34	500	1997-96	V6 3.9L		27	600
Grand Voyager					1997	V6 3.8L		34	600	1997-96	V6 3.9L Optional		27	750
2000	V6 3.0L		34	500	Voyager					1995	V6 3.9L Cutaway V6 3.9L ex. Cutaway	16	27	810
2000	V6 3.3L		34	500	2003-01	V6 3.3L		34	600	1995	V6 3.9L ex. Cutaway		27	600
Intrepid					2003-00	L4 2.4L		34	600	1995	V6 3.9L ex. Cutaway Opt.	16	27	810
2004-98	V6 2.7L		34	500	2000	V6 3.0L		34	500	1995	V8 5.2L Cutaway V8 5.2L ex. Cutaway		27	750
2004-00	V6 3.5L		34	600	2000	V6 3.3L		34	500	1995	V8 5.2L ex. Cutaway		27	600
2001-98	V6 3.2L		34	600	2000	V6 3.3L Optional		34	600	1995	V8 5.9L Cutaway V8 5.9L ex. Cutaway	16	27	810
1997-95	V6 3.3L		34	600	DAEWOO					1995	V8 5.9L ex. Cutaway		27	600
1997-95	V6 3.5L		34	600	Lanos					1995	V8 5.9L ex. Cutaway Opt.		27	750
1994	V6 3.3L		34	500	2002-99	L4 1.5L	11	86	525	1995	V8 5.2L Cutaway V8 5.2L ex. Cutaway	16	27	810
1994	V6 3.5L		34	500	2002-99	L4 1.6L	11	86	525	1995	V8 5.2L ex. Cutaway Opt.		27	750
LeBaron					Leganza					1995	V8 5.9L Cutaway V8 5.9L ex. Cutaway	16	27	810
1995-94	V6 3.0L		34	500	2002-01	L4 2.2L	11	86	620	1995	V8 5.9L ex. Cutaway		27	600
1994	L4 2.5L		34	600	2000-99	L4 2.2L	11	86	630	1995	V8 5.9L ex. Cutaway Opt.		27	750
LHS					Nubira					B350				
2001-99	V6 3.5L		34	600	2002-01	L4 2.0L	11	86	620	1994	V8 5.2L Cutaway V8 5.2L ex. Cutaway	16	27	810
1997-95	V6 3.5L		34	600	2000	L4 2.0L	11	86	630	1994	V8 5.2L ex. Cutaway		27	600
1994	V6 3.5L		34	500	1999	L4 2.0L		86	630	1994	V8 5.2L ex. Cutaway Opt.	16	27	750
Neon					DODGE					1994	V8 5.9L ex. Cutaway		27	600
2002-00	L4 2.0L		26R	450	Avenger					1994	V8 5.2L ex. Cutaway Opt.	16	27	810
New Yorker					2013-11	V6 3.6L		86	525	1994	V8 5.9L Cutaway V8 5.9L ex. Cutaway		27	750
1996-95	V6 3.5L		34	600	2013-08	L4 2.4L		86	525	1994	V8 5.9L Cutaway V8 5.9L ex. Cutaway	16	27	810
1994	V6 3.5L		34	500	2010-08	V6 2.7L		86	525	1994	V8 5.9L ex. Cutaway		27	600
Pacifica					2010-08	V6 3.5L		86	525	1994	V8 5.9L ex. Cutaway Opt.		27	750
2008-07	V6 4.0L		34	600	2000-95	V6 2.5L		86	525	1994	V8 5.9L ex. Cutaway		27	600
2008-05	V6 3.8L		34	600	1999-98	L4 2.0L		86	525	1994	V8 5.9L ex. Cutaway Opt.		27	750
2006-05	V6 3.5L		34	600	1997-95	L4 2.0L AT		86	525	B3500				
2004	V6 3.5L		34	500	1997-95	L4 2.0L MT		86	430	1998-96	V8 5.2L		27	600
Prowler					B150					1998-96	V8 5.2L Optional		27	750
2002-01	V6 3.5L		34	525	1994	V6 3.9L Cutaway	16	27	810	1998-96	V8 5.9L		27	600
PT Cruiser					1994	V6 3.9L ex. Cutaway		27	600	1998-96	V8 5.9L Optional		27	750
2010-03	L4 2.4L		26R	510	1994	V6 3.9L ex. Cutaway		27	750	1995	V8 5.2L Cutaway V8 5.2L ex. Cutaway	16	27	810
2002-01	L4 2.4L		26R	540	1994	V6 3.9L ex. Cutaway Opt.		27	810	1995	V8 5.2L ex. Cutaway		27	600
Sebring					1994	V8 5.2L Cutaway V8 5.2L ex. Cutaway	16	27	600	1995	V8 5.2L ex. Cutaway Opt.		27	750
2010-08	L4 2.4L		86	525	1994	V8 5.2L ex. Cutaway		27	600	1995	V8 5.9L Cutaway V8 5.9L ex. Cutaway	16	27	810
2010-07	V6 2.7L		86	525	1994	V8 5.2L ex. Cutaway Opt.		27	750	1995	V8 5.9L ex. Cutaway		27	600
2010-07	V6 3.5L		86	525	1994	V8 5.2L ex. Cutaway		27	600	1995	V8 5.9L ex. Cutaway Opt.		27	750
2007	L4 2.4L		86	525	1994	V8 5.2L ex. Cutaway		27	600	1995	V8 5.9L ex. Cutaway		27	600
2006	L4 2.4L		75	510	1994	V8 5.2L ex. Cutaway Opt.		27	750	1995	V8 5.9L ex. Cutaway Opt.		27	750
2006	V6 2.7L		75	510	B1500					1995	V8 5.9L ex. Cutaway		27	600
2005-01	L4 2.4L Convertible or Sedan		75	510	1998-96	V6 3.9L		27	600	1995	V8 5.9L ex. Cutaway Opt.		27	750
2005-01	L4 2.4L Coupe		86	525	1998-96	V6 3.9L Optional		27	750	Caliber				
2005-01	V6 2.7L Convertible or Sedan		75	510	1998-96	V8 5.2L		27	600	2012-07	L4 2.0L		86	525
2005-01	V6 2.7L Coupe		86	525	1998-96	V8 5.2L Optional		27	750	2011-07	L4 2.4L		86	525
2005-01	V6 3.0L Convertible or Sedan		75	510	1998	V8 5.9L		27	600	2009-07	L4 1.8L		86	525
2005-01	V6 3.0L Coupe		86	525	1998	V8 5.9L Optional		27	750	Caravan				
2000-95	V6 2.5L Conv.		75	510	1995	V6 3.9L Cutaway	16	27	810	2007	L4 2.4L		34	600
2000-95	V6 2.5L ex. Conv.		86	525	1995	V6 3.9L ex. Cutaway		27	600	2007	V6 3.3L		34	600
1999-98	L4 2.0L Conv.		75	510	1995	V6 3.9L ex. Cutaway		27	600	2006-94	V6 3.3L		34	500
1999-98	L4 2.0L ex. Conv.		86	525	1995	V6 3.9L ex. Cutaway Opt.		27	750	2006-05	L4 2.4L Optional		34	600
1998	L4 2.4L Conv.		75	510	1995	V8 5.2L Cutaway	16	27	810	2006-04	V6 3.3L Optional		34	600
1998	L4 2.4L ex. Conv.		75	510	1995	V8 5.2L ex. Cutaway		27	600	2006-03	L4 2.4L		34	500
1998	L4 2.4L ex. Conv., MT		86	525						2003	L4 2.4L Optional		34	600
										2002-96	L4 2.4L		34	600
										2001	V6 3.3L Optional		34	600

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DODGE (Cont.)					DODGE (Cont.)					DODGE (Cont.)				
Caravan (Cont.)					Durango (Cont.)					Ram 1500 (Cont.)				
2000-94	V6 3.0L		34	500	2003-00	V8 4.7L Optional		27	750	2005-04	V10 8.3L		65	750
1999-96	L4 2.4L Optional		34	685	2000-98	V8 5.2L		27	600	2005-04	V6 3.7L		65	650
1999-96	V6 3.8L		34	600	2000-98	V8 5.2L Optional		27	750	2005	V8 4.7L		65	650
1999-96	V6 3.8L Optional		34	685	1999-98	V6 3.9L		27	600	2004-03	V8 4.7L		65	600
1999-94	V6 3.0L Optional		34	685	1999-98	V6 3.9L Optional		27	750	2003-94	V6 3.9L		27	600
1999-94	V6 3.3L Optional		34	685	Grand Caravan					2003-94	V6 3.9L Optional		27	750
1995-94	L4 2.5L		34	600	2013-12	V6 3.6L		94R	730	2003-94	V8 5.2L		27	600
1995-94	L4 2.5L Optional		34	685	2011	V6 3.6L		94R	700	2003-94	V8 5.2L Optional		27	750
Challenger					2010-08	V6 4.0L		34	600	2003-94	V8 5.9L		27	600
2013-11	V6 3.6L	54	94R	730	2010-07	V6 3.3L		34	600	2003-94	V8 5.9L Optional		27	750
2013-11	V8 6.4L	54	94R	730	2010-07	V6 3.8L		34	600	2003	V6 3.7L		65	600
2013-09	V8 5.7L	54	94R	730	2006-94	V6 3.3L		34	500	2002	V6 3.7L Early or Optional		27	750
2010-09	V6 3.5L	54	94R	730	2006-04	V6 3.8L Optional		34	600	2002	V6 3.7L Late		65	650
2010-08	V8 6.1L	54	94R	730	2006-03	V6 3.3L Optional		34	600	2002	V8 4.7L Early or Optional		27	750
Charger					2006-03	V6 3.8L		34	500	2002	V8 4.7L Late		65	650
2013-12	V8 6.4L ex. Police	54	94R	730	2002-94	V6 3.8L		34	600	2002	V8 4.7L Late		65	650
2013-12	V8 6.4L Police	54	49	800	2001	V6 3.3L Optional		34	600	2002	V8 5.9L Early or Optional		27	750
2013-11	V6 3.6L ex. Police	54	94R	730	2000-94	V6 3.0L		34	500	2002	V8 5.9L Late		65	650
2013-11	V6 3.6L Police	54	49	800	1999-94	V6 3.0L Optional		34	685	Ram 2500				
2013-11	V8 5.7L Police	54	49	800	1999-94	V6 3.3L Optional		34	685	2010	L6 6.7L Diesel	2	94R	730
2013-06	V8 5.7L ex. Police	54	94R	730	1999-94	V6 3.8L Optional		34	685	2010	V8 5.7L		94R	700
2010-09	V6 3.5L Police	54	49	800	1997-96	L4 2.4L		34	600	2009-07	L6 6.7L Diesel	2	65	750
2010-06	V6 2.7L	54	94R	730	1997-96	L4 2.4L Optional		34	685	2009-03	L6 5.9L Diesel	2	65	750
2010-06	V6 3.5L ex. Police	54	94R	730	Intrepid					2009	V8 5.7L		65	700
2010-06	V8 6.1L ex. Police	54	94R	730	2004-98	V6 2.7L		34	500	2008	V8 5.7L Mexico Built		65	650
2010	V8 5.7L Police	54	49	850	2004-00	V6 3.5L		34	600	2008	V8 5.7L Mexico Built, Optional		65	750
2010	V8 6.1L Police	54	49	850	2001-98	V6 3.2L		34	600	2008	V8 5.7L US Built		94R	625
2009	V8 5.7L Police	54	49	800	1997-95	V6 3.3L		34	600	2007-03	V8 5.7L		65	600
2009	V8 6.1L Police	54	49	800	1997-95	V6 3.5L		34	600	2007-03	V8 5.7L Optional		65	750
2008-06	V6 3.5L Police	54	49	850	1994	V6 3.3L		34	500	2003-99	V8 5.2L		27	600
2008-06	V8 5.7L Police	54	49	850	1994	V6 3.5L		34	500	2003-99	V8 5.2L Optional		27	750
2008-06	V8 6.1L Police	54	49	850	Journey					2003-94	V8 5.9L		27	600
Colt					2013-11	V6 3.6L		86	525	2003-94	V8 5.9L Optional		27	750
1995-94	L4 1.5L Canada		24	580	2013-09	L4 2.4L		86	525	2003	V10 8.0L		65	750
1995-94	L4 1.5L U.S.		51	435	2010-09	V6 3.5L		86	525	2002	L6 5.9L Diesel, Early or Optional	2	65	750
1994	L4 1.8L Canada		24	580	Magnum					2002	L6 5.9L Diesel, Late	2	65	750
1994	L4 1.8L U.S.		51	435	2008-06	V8 6.1L	54	94R	730	2002	V10 8.0L Early or Optional		27	750
1994	L4 2.4L Canada		24	580	2008-05	V6 2.7L	54	94R	730	2002	V10 8.0L Late		65	650
1994	L4 2.4L U.S.		51	435	2008-05	V6 3.5L	54	94R	730	2002	V8 5.9L Early or Optional		27	750
Dakota					2008-05	V8 5.7L	54	94R	730	2001-94	L6 5.9L Diesel	2	27	750
2010-09	V6 3.7L Optional		65	750	Neon					2001-94	V10 8.0L		27	750
2010-09	V8 4.7L Optional		65	750	2005-03	L4 2.4L Turbo		26R	450	2001	V6 3.9L		27	600
2010-06	V6 3.7L		65	600	2005-00	L4 2.0L		26R	450	1996-94	V8 5.2L		27	600
2010-06	V8 4.7L		65	600	1999-95	L4 2.0L	35	58	450	1996-94	V8 5.2L Optional		27	750
2006	V6 3.7L Optional		65	650	Nitro					Ram 3500				
2006	V8 4.7L Optional		65	650	2011-07	V6 3.7L		34	600	2010	L6 6.7L Diesel	2	94R	730
2005-04	V6 3.7L		27	600	2011-07	V6 4.0L		34	600	2009-07	L6 6.7L Diesel	2	65	750
2005-00	V8 4.7L		27	600	Ram 1500					2009-03	L6 5.9L Diesel	2	65	750
2004-01	V8 4.7L Optional		27	750	2010	V6 3.7L		94R	700	2009	V8 5.7L		65	700
2003-98	V8 5.9L		27	600	2010	V8 4.7L		94R	700	2008	V8 5.7L Mexico Built		65	650
2003-98	V8 5.9L Optional		27	750	2010	V8 5.7L		94R	700	2008	V8 5.7L Mexico Built, Optional		65	750
2003-94	V6 3.9L		27	600	2009	V6 3.7L Mexico Built		65	700	2008	V8 5.7L US Built		94R	625
2003-94	V6 3.9L Optional		27	750	2009	V6 3.7L US Built		94R	700	2008	V8 5.7L US Built, Optional		94R	730
2002-94	L4 2.5L		27	600	2009	V8 4.7L Mexico Built		65	700	2007-03	V8 5.7L		65	600
1999-94	L4 2.5L Optional		27	750	2009	V8 5.7L Mexico Built		65	700	2007-03	V8 5.7L Optional		65	750
1999-94	V8 5.2L		27	600	2009	V8 5.7L US Built		94R	700	2003-99	V8 5.2L		27	600
1999-94	V8 5.2L Optional		27	750	2009	V8 5.7L US Built		94R	700	2003-99	V8 5.2L Optional		27	750
Dart					2009	V8 4.7L US Built		94R	700	2003-94	V8 5.9L		27	600
2013	L4 1.4L		48	600	2009	V8 5.7L Mexico Built		65	700	2003	V10 8.0L		65	750
2013	L4 2.0L ex. SE		48	600	2009	V8 5.7L US Built		94R	700	2002	L6 5.9L Diesel, Early or Optional	2	27	750
2013	L4 2.0L SE		47	500	2008-06	V6 3.7L		65	600	2002	L6 5.9L Diesel, Late	2	65	650
2013	L4 2.4L		48	600	2008	V8 4.7L		65	600	2002	V10 8.0L Early or Optional		27	750
Durango					2008	V8 5.7L Mexico Built		65	650	2007-03	V8 5.7L		65	600
2013-11	V6 3.6L	47,54	94R	700	2008	V8 5.7L Mexico Built, Optional		65	750	2007-03	V8 5.7L Optional		65	750
2013-11	V8 5.7L	47,54	94R	700	2008	V8 5.7L US Built		94R	625	2003-99	V8 5.2L		27	600
2009	V6 3.7L		65	750	2008	V8 5.7L US Built, Optional		94R	730	2003-99	V8 5.2L Optional		27	750
2009	V8 4.7L		65	750	2007-03	V8 5.7L		65	600	2003-94	V8 5.9L		27	600
2009	V8 5.7L		65	750	2007-03	V8 5.7L Optional		65	750	2003-94	V8 5.9L Optional		27	750
2008-04	V6 3.7L		65	600	2007	V8 4.7L		65	750	2003	V10 8.0L		65	750
2008-04	V8 4.7L		65	600	2006-03	V6 3.7L Optional		65	750	2002	L6 5.9L Diesel, Early or Optional	2	27	750
2008-04	V8 5.7L		65	600	2006-03	V8 4.7L Optional		65	750	2002	L6 5.9L Diesel, Late	2	65	650
2006-04	V6 3.7L Optional		65	750	2006	V10 8.3L		65	600	2002	V10 8.0L Early or Optional		27	750
2006	V8 4.7L Optional		65	750	2006	V10 8.3L Optional		65	750					
2006	V8 5.7L Optional		65	750	2006	V8 4.7L		65	600					
2003-98	V8 5.9L		27	600										
2003-98	V8 5.9L Optional		27	750										
2003-00	V8 4.7L		27	600										

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DODGE (Cont.)					EAGLE (Cont.)					FORD (Cont.)				
Ram 3500 (Cont.)					Talon					Crown Victoria (Cont.)				
2002	V10 8.0L Late		65	650	1998-95	L4 2.0L AT		86	525	1997	V8 4.6L U.S.		59	540
2002	V8 5.9L Early or Optional		27	750	1998-95	L4 2.0L MT		86	430	1996-94	V8 4.6L HWS or Police		65	850
2002	V8 5.9L Late		65	650	1998-94	L4 2.0L Turbo		86	525	1996	V8 4.6L Early		58	540
2001-94	L6 5.9L Diesel	2	27	750	1994	L4 1.8L AT & Canada		86	525	1996	V8 4.6L Late		59	540
2001-94	V10 8.0L		27	750	1994	L4 1.8L MT & Canada		86	430	1995-94	V8 4.6L U.S.		58	540
Ram 4500					1994	L4 1.8L U.S.		86	430	E-150				
2010	L6 6.7L Diesel	2	94R	730	1994	L4 2.0L Canada		86	525	2013-07	V8 4.6L Auxiliary	31	65	750
2009	L6 6.7L Diesel	2	65	750	1994	L4 2.0L U.S.		86	430	2013-07	V8 5.4L Auxiliary	31	65	750
2008	L6 6.7L Diesel	2	65	800	Vision					2013-03	V8 4.6L Primary Battery		65	650
2008	L6 6.7L Diesel	2	65	800	1997-95	V6 3.3L		34	600	2013-03	V8 5.4L Primary Battery		65	650
Ram 5500					1997-95	V6 3.5L		34	600	2006-03	V8 4.6L Auxiliary	31	65	625
2010	L6 6.7L Diesel	2	94R	730	1994	V6 3.3L		34	500	2006-03	V8 5.4L Auxiliary	31	65	625
2009	L6 6.7L Diesel	2	65	750	1994	V6 3.5L		34	500	2003	V6 4.2L Auxiliary	31	65	625
2008	L6 6.7L Diesel	2	65	800	FERRARI					2003	V6 4.2L Primary Battery		65	650
Shadow					348 GTB					E-150 Club Wagon				
1994	L4 2.2L		34	500	1994	V8 3.4L		34R	0	2005-03	V8 4.6L		65	650
1994	L4 2.5L		34	600	348 GTS					2005-03	V8 5.4L Auxiliary	31	65	625
1994	V6 3.0L		34	500	1994	V8 3.4L		34R	0	2005-03	V8 5.4L Primary Battery		65	650
Spirit					348 Spider					2003	V6 4.2L		65	650
1995-94	L4 2.5L		34	600	1995-94	V8 3.4L		34R	0	E-150 Econoline				
1995-94	V6 3.0L		34	500	360					2002-97	V6 4.2L Auxiliary	31	65	625
Sprinter 2500					2005-00	V8 3.6L	54,66	34R	570	2002-97	V6 4.2L Primary Battery		65	650
2009-07	V6 3.0L Diesel	54	49	850	458 Italia					2002-97	V8 4.6L Auxiliary	31	65	625
2008-07	V6 3.5L	54	49	850	2012	V8 4.5L	47,54,66	48	760	2002-97	V8 4.6L Primary Battery		65	650
2006-03	L5 2.7L Diesel	54	49	850	2010	V8 4.5L	47,54,66	48	760	2002-97	V8 5.4L Auxiliary	31	65	625
Sprinter 3500					575 M Maranello					2002-97	V8 5.4L Primary Battery		65	650
2009-07	V6 3.0L Diesel	54	49	850	2005	V12 5.7L	66	34R	680	2002-97	V8 5.4L Auxiliary	31	65	625
2008-07	V6 3.5L	54	49	850	599 GTB					2002-97	V8 5.4L Primary Battery		65	650
2006-03	L5 2.7L Diesel	54	49	850	2009-07	V12 6.0L	54,66	34R	800	2000-97	V6 4.2L Optional		65	750
Stealth					612 Scaglietti					2000-97	V8 4.6L Optional		65	750
1996-94	V6 3.0L		25	520	2010-05	V12 5.7L	54,66	34R	850	2000-97	V8 5.4L Optional		65	750
Stratus					California					1996-94	L6 4.9L Auxiliary	31	50	500
2006-03	V6 2.7L Sedan		75	510	2012-09	V8 4.3L	54,66	34R	850	1996-94	L6 4.9L Optional		65	850
2006-01	L4 2.4L Coupe		86	525	F430					1996-94	L6 4.9L Primary Battery		65	650
2006-01	L4 2.4L Sedan		75	510	2009-06	V8 4.3L	54,66	34R	760	1996-94	V8 5.0L Auxiliary	31	50	500
2006-01	V6 2.7L Coupe		86	525	Superamerica					1996-94	V8 5.0L Optional		65	850
2005-01	V6 3.0L Coupe		86	525	2005	V12 5.7L	66	34R	850	1996-94	V8 5.0L Primary Battery		65	650
2005-01	V6 3.0L Sedan		75	510	FIAT					1996-94	V8 5.8L Auxiliary	31	50	500
2002	V6 2.7L Sedan		86	510	500					1996-94	V8 5.8L Optional		65	850
2001	V6 2.7L Sedan		75	510	2013-12	L4 1.4L		47	500	1996-94	V8 5.8L Primary Battery		65	650
2000-95	L4 2.0L		86	510	FORD					E-150 Econoline Club Wagon				
2000-95	L4 2.4L		75	510	Aerostar					2002-99	V6 4.2L		65	650
2000-95	V6 2.5L		86	510	1997-94	V6 3.0L		65	650	2002-97	V6 4.2L Optional		65	750
SX 2.0					1997-94	V6 4.0L		65	650	2002-97	V8 4.6L Auxiliary	31	65	625
2005-03	L4 2.0L		26R	450	Aspire					2002-97	V8 4.6L Optional		65	750
Viper					1997-94	L4 1.3L		35	460	2002-97	V8 4.6L Primary Battery		65	650
2010-08	V10 8.4L	54	34	600	Bronco					2002-97	V8 5.4L Auxiliary	31	65	625
2006-03	V10 8.3L		34	600	1996-94	V8 5.0L		65	650	2002-97	V8 5.4L Optional		65	750
2002-97	V10 8.0L		78	650	1996-94	V8 5.8L		65	650	2002-97	V8 5.4L Primary Battery		65	650
1996-94	V10 8.0L		78	770	C-Max					1998-97	V6 4.2L Auxiliary	31	65	625
EAGLE					2013	L4 2.0L Hybrid	54	96R	500	1998-97	V6 4.2L Primary Battery		65	650
Summit					2013	L4 2.0L Hybrid, Optional	54	96R	590	1996-94	L6 4.9L Auxiliary	31	50	500
1996-95	L4 1.5L		51	435	Contour					1996-94	L6 4.9L Optional		65	850
1996-95	L4 1.8L ex. Wagon		51	435	2000-98	L4 2.0L		40R	590	1996-94	L6 4.9L Primary Battery		65	650
1996-95	L4 1.8L Wagon		25	355	2000-98	V6 2.5L		40R	590	1996-94	V8 5.0L Auxiliary	31	50	500
1996-95	L4 2.4L ex. Wagon		51	435	1997-95	L4 2.0L		96R	590	1996-94	V8 5.0L Optional		65	850
1996-95	L4 2.4L Wagon		24	490	1997-95	L4 2.0L Optional		40R	650	1996-94	V8 5.0L Primary Battery		65	650
1994	L4 1.5L Canada		24	580	1997-95	V6 2.5L		40R	650	1996-94	V8 5.8L Auxiliary	31	50	500
1994	L4 1.5L U.S. ex. Wagon		51	435	Crown Victoria					1996-94	V8 5.8L Optional		65	850
1994	L4 1.5L U.S., Wagon		25	350	2011-09	V8 4.6L Optional		65	750	1996-94	V8 5.8L Primary Battery		65	650
1994	L4 1.8L Canada		24	580	2011-07	V8 4.6L		65	650	1996-94	V8 5.8L Optional		65	850
1994	L4 1.8L U.S. ex. Wagon		51	435	2006-98	V8 4.6L U.S.		65	650	E-250				
1994	L4 2.4L Canada		24	580	2006-94	V8 4.6L Canada or Optional		65	750	2013-07	V8 4.6L Auxiliary	31	65	750
1994	L4 2.4L U.S. ex. Wagon		51	435	1997-96	V8 4.6L Natural Gas		65	850	2013-07	V8 5.4L Auxiliary	31	65	750
1994	L4 2.4L U.S., Wagon		24	490	1997	V8 4.6L Police Package		65	850	2013-03	V8 4.6L Primary Battery		65	650

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FORD (Cont.)					FORD (Cont.)					FORD (Cont.)				
E-250 (Cont.)					E-350 Econoline Club Wagon					E-450 Super Duty Stripped Chassis (Cont.)				
2013-03	V8 5.4L Primary Battery		65	650	2002-99	V10 6.8L Auxiliary	31	65	650	2003	V10 6.8L Primary Battery		65	650
2006-03	V8 4.6L Auxiliary	31	65	625	2002-99	V8 5.4L Primary Battery		65	650	2003	V8 5.4L Auxiliary	31	65	625
2006-03	V8 5.4L Auxiliary	31	65	625	2002-97	V8 5.4L Optional		65	750	2003	V8 5.4L Primary Battery		65	650
2003	V6 4.2L Auxiliary	31	65	625	2002-97	V8 7.3L Diesel	2	65	750	2003	V8 7.3L Diesel	2	65	750
2003	V6 4.2L Primary Battery		65	650	2002	V10 6.8L Primary Battery		65	750	E-550 Econoline Super Duty				
E-250 Econoline					2002	V8 5.4L Auxiliary	31	65	650	2002	V10 6.8L Auxiliary	31	65	625
2002-97	V6 4.2L Auxiliary	31	65	625	2001-97	V8 5.4L Auxiliary	31	65	625	2002	V10 6.8L Primary Battery		65	750
2002-97	V6 4.2L Primary Battery		65	650	2001	V10 6.8L Primary Battery		65	650	2002	V8 7.3L Diesel	2	65	750
2002-97	V8 5.4L Auxiliary	31	65	625	2000-97	V10 6.8L Primary Battery		65	750	E-550 Super Duty				
2002-97	V8 5.4L Primary Battery		65	650	1998-97	V10 6.8L Auxiliary	31	65	625	2003	V10 6.8L Auxiliary	31	65	625
2000-97	V6 4.2L Optional		65	750	1998	V8 5.4L Primary Battery		65	750	2003	V10 6.8L Primary Battery		65	650
2000-97	V8 5.4L Optional		65	750	1996-94	L6 4.9L Auxiliary	31	50	500	2003	V8 7.3L Diesel	2	65	750
1997	V8 4.6L Auxiliary	31	65	625	1996-94	L6 4.9L Optional		65	850	Econoline Super Duty				
1997	V8 4.6L Optional		65	750	1996-94	L6 4.9L Primary Battery		65	650	1999-97	V10 6.8L Auxiliary	31	65	625
1997	V8 4.6L Primary Battery		65	650	1996-94	V8 5.8L Auxiliary	31	50	500	1999-97	V10 6.8L Primary Battery		65	750
1996-94	L6 4.9L Auxiliary	31	50	500	1996-94	V8 5.8L Optional		65	850	1999-97	V8 5.4L Auxiliary	31	65	625
1996-94	L6 4.9L Optional		65	850	1996-94	V8 5.8L Primary Battery		65	650	1999-97	V8 5.4L Optional		65	750
1996-94	L6 4.9L Primary Battery		65	650	1996-94	V8 7.3L Diesel, Left side		65	850	1999-97	V8 5.4L Primary Battery		65	650
1996-94	V8 5.8L Auxiliary	31	50	500	1996-94	V8 7.3L Diesel, Right side		50	600	1999-97	V8 7.3L Diesel	2	65	750
1996-94	V8 5.8L Optional		65	850	1996-94	V8 7.5L Auxiliary	31	50	500	1996	V8 5.8L Auxiliary	31	50	500
1996-94	V8 5.8L Primary Battery		65	650	1996-94	V8 7.5L Optional		65	850	1996	V8 5.8L Optional		65	850
E-250 Super Duty					1996-94	V8 7.5L Primary Battery		65	650	1996	V8 5.8L Primary Battery		65	650
2005-04	V8 5.4L Auxiliary	31	65	625	E-350 Super Duty					1996	V8 7.3L Diesel, Left side		65	850
2005-04	V8 5.4L Primary Battery		65	650	2013-09	V8 5.4L Auxiliary	31	65	750	1996	V8 7.3L Diesel, Right side		50	600
E-350					2013-09	V8 5.4L Primary Battery		65	650	1996	V8 7.5L Auxiliary	31	50	500
2003	V10 6.8L Auxiliary	31	65	625	2013-07	V10 6.8L Auxiliary	31	65	750	1996	V8 7.5L Optional		65	850
2003	V10 6.8L Primary Battery		65	650	2013-04	V10 6.8L Primary Battery		65	650	1996	V8 7.5L Primary Battery		65	650
2003	V8 5.4L Auxiliary	31	65	625	2010-04	V8 6.0L Diesel	2	65	750	Edge				
2003	V8 5.4L Primary Battery		65	650	2008-07	V8 5.4L	2	65	650	2013-12	L4 2.0L w/o Power Code Remote Start		59	540
2003	V8 7.3L Diesel	2	65	750	2006-04	V10 6.8L Auxiliary	31	65	625	2013-12	L4 2.0L w/Power Code Remote Start		65	650
E-350 Club Wagon					2006-04	V8 5.4L Auxiliary	31	65	625	2013-11	V6 3.5L w/o Power Code Remote Start		59	540
2005-04	V8 6.0L Diesel	2	65	750	2006-04	V8 5.4L Primary Battery		65	650	2013-11	V6 3.5L w/Power Code Remote Start		65	650
2005-03	V8 5.4L Auxiliary	31	65	625	E-450 Econoline Super Duty					2013-11	V6 3.7L w/Power Code Remote Start		59	540
2005-03	V8 5.4L Primary Battery		65	650	2002-00	V10 6.8L Auxiliary	31	65	625	2013-11	V6 3.7L w/Power Code Remote Start		65	650
2005	V10 6.8L Auxiliary	31	65	625	2002-00	V10 6.8L Primary Battery		65	750	2010	V6 3.5L		36R	650
2005	V10 6.8L Primary Battery		65	650	2002-00	V8 5.4L Auxiliary	31	65	625	2009	V6 3.5L		36R	540
2003	V10 6.8L Auxiliary	31	65	625	2002-00	V8 5.4L Optional		65	750	2009	V6 3.5L Optional		36R	600
2003	V10 6.8L Primary Battery		65	650	2002-00	V8 5.4L Primary Battery		65	650	2008	V6 3.5L		36R	600
2003	V8 7.3L Diesel	2	65	750	2002-00	V8 7.3L Diesel	2	65	750	2007	V6 3.5L		36R	580
E-350 Econoline					E-450 Econoline Super Duty Stripped					Escape				
2002-99	V8 5.4L Primary Battery		65	650	2002-00	V10 6.8L Auxiliary	31	65	625	2013	L4 1.6L		96R	500
2002-97	V10 6.8L Auxiliary	31	65	625	2002-00	V10 6.8L Primary Battery		65	750	2013	L4 1.6L Optional		96R	590
2002-97	V10 6.8L Primary Battery		65	750	2002-00	V8 5.4L Auxiliary	31	65	625	2013	L4 2.0L		96R	500
2002-97	V8 5.4L Auxiliary	31	65	625	2002-00	V8 5.4L Optional		65	750	2013	L4 2.0L Optional		96R	590
2002-97	V8 5.4L Optional		65	750	2002-00	V8 5.4L Primary Battery		65	650	2013	L4 2.5L		96R	500
2002-97	V8 7.3L Diesel	2	65	750	2002-00	V8 7.3L Diesel	2	65	750	2013	L4 2.5L Optional		96R	590
1998	V8 5.4L Primary Battery		65	750	E-450 Super Duty					2012-11	L4 2.5L Gas		96R	590
1996-94	L6 4.9L Auxiliary	31	50	500	2013-07	V10 6.8L Auxiliary	31	65	750	2012-11	V6 3.0L		96R	590
1996-94	L6 4.9L Optional		65	850	2013-07	V8 5.4L Auxiliary	31	65	750	2012-09	L4 2.5L Hybrid		96R	500
1996-94	L6 4.9L Primary Battery		65	650	2013-06	V8 5.4L Primary Battery		65	650	2010	L4 2.5L Gas		40R	650
1996-94	V8 5.8L Auxiliary	31	50	500	2013-03	V10 6.8L Primary Battery		65	650	2010	L4 2.5L Gas, Optional		96R	590
1996-94	V8 5.8L Optional		65	850	2010-04	V8 6.0L Diesel	2	65	750	2010	V6 3.0L		40R	650
1996-94	V8 5.8L Primary Battery		65	650	2006-03	V10 6.8L Auxiliary	31	65	625	2010	V6 3.0L Optional		96R	590
1996-94	V8 7.3L Diesel, Left side		65	850	2006	V8 5.4L Auxiliary	31	65	625	2009-01	V6 3.0L		40R	590
1996-94	V8 7.3L Diesel, Right side		50	600	2004-03	V8 5.4L Auxiliary	31	65	625	2009	L4 2.5L Gas		40R	590
1996-94	V8 7.5L Auxiliary	31	50	500	2004-03	V8 5.4L Primary Battery		65	650	2008-05	L4 2.3L Gas		40R	590
1996-94	V8 7.5L Optional		65	850	2003	V8 7.3L Diesel	2	65	750	2008-05	L4 2.3L Hybrid		96R	500
1996-94	V8 7.5L Primary Battery		65	650	E-450 Super Duty Stripped Chassis					2004-01	L4 2.0L		96R	500
E-450 Super Duty Stripped Chassis					2003	V10 6.8L Auxiliary	31	65	625	Escort				
										2003-98	L4 2.0L		58	500
										1997	L4 2.0L		58	540
										1996-95	L4 1.8L		35	540

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FORD (Cont.)					FORD (Cont.)					FORD (Cont.)				
Escort (Cont.)					F-250 (Cont.)					F-550 Super Duty (Cont.)				
1996-94	L4 1.9L		35	460	1999-97	V8 4.6L Under 8500lbs		59	540	2010-08	V8 6.4L Diesel	2	65	750
1994	L4 1.8L		35	460	1999-97	V8 5.4L Under 8500lbs		59	540	2007-03	V8 6.0L Diesel	2	65	750
Excursion					1999	V8 5.4L Optional		65	750	2003-99	V8 7.3L Diesel	2	65	750
2005-03	V8 6.0L Diesel	2	65	750	1999	V8 5.4L Over 8500lbs		65	650	F59				
2005-00	V10 6.8L		65	750	1998-97	V8 5.4L Opt. Over 8500lbs.		65	750	1994	V8 7.3L Diesel	2	65	750
2005-00	V8 5.4L		65	750	1997	V8 5.8L		59	540	Fiesta				
2003-00	V8 7.3L Diesel	2	65	750	1997	V8 5.8L Optional		65	750	2013-11	L4 1.6L		96R	500
Expedition					1997	V8 7.3L Diesel	2	65	750	Five Hundred				
2013-97	V8 5.4L		65	650	1997	V8 7.5L		59	540	2007-05	V6 3.0L		36R	540
2013-07	V8 5.4L Optional		65	750	1997	V8 7.5L Optional		65	750	2006-05	V6 3.0L Optional		36R	600
2004-97	V8 4.6L		65	650	1996-94	L6 4.9L		65	650	Flex				
2001-97	V8 4.6L Optional		65	750	1996-94	L6 4.9L Optional		65	850	2013-10	V6 3.5L ex. EcoBoost		65	650
2001-97	V8 5.4L Optional		65	750	1996-94	V8 5.0L		65	650	2013-10	V6 3.5L w/EcoBoost		65	750
Explorer					1996-94	V8 5.0L Optional		65	850	2009	V6 3.5L		65	750
2013-12	L4 2.0L		65	650	1996-94	V8 5.8L		65	650	Focus				
2013-11	V6 3.5L		65	650	1996-94	V8 5.8L Optional		65	850	2013	L4 2.0L ex. EcoBoost		96R	500
2013	V6 3.7L		65	650	1996-94	V8 5.8L		65	650	2013	L4 2.0L w/EcoBoost		96R	590
2010-94	V6 4.0L		65	650	1996-94	V8 5.8L Optional		65	850	2012	L4 2.0L AT		96R	590
2010-02	V8 4.6L		65	650	1996-94	V8 7.3L Diesel	2	65	850	2012	L4 2.0L MT		96R	500
2006	V6 4.0L Optional		65	750	1996-94	V8 7.5L		65	650	2011-05	L4 2.0L		96R	500
2006	V8 4.6L Optional		65	750	1996-94	V8 7.5L Optional		65	850	2007-05	L4 2.0L w/Emerision Heater or Premium Radio		40R	590
2001-96	V8 5.0L		65	650	F-250 Super Duty					2007-05	L4 2.3L w/Emerision Heater or Premium Radio		40R	590
Explorer Sport Trac					2013-11	V8 6.2L		65	650	2007-03	L4 2.3L		96R	500
2010-07	V6 4.0L		65	650	2013-11	V8 6.2L Optional		65	750	2004-03	L4 2.0L ex. Zetec		40R	590
2010-07	V8 4.6L		65	650	2013-11	V8 6.7L Diesel	2	65	750	2004-03	L4 2.0L Zetec		96R	500
2005-01	V6 4.0L		65	650	2010-99	V10 6.8L		65	650	2002-00	L4 2.0L ex. Zetec		96R	500
F Super Duty					2010-99	V10 6.8L Optional		65	750	2002-00	L4 2.0L Zetec		40R	590
1997-95	V8 7.3L Diesel	2	65	750	2010-99	V8 5.4L Optional		65	750	Freestar				
1997	V8 7.5L		59	540	2010-08	V8 6.4L Diesel	2	65	750	2007-04	V6 3.9L		59	540
1997	V8 7.5L Optional		65	750	2010-00	V8 5.4L		65	650	2007-04	V6 3.9L Optional		65	650
1996-94	V8 7.3L Diesel	2	65	850	2007	V8 6.0L Diesel	2	65	650	2007-04	V6 4.2L		59	540
1996-94	V8 7.5L		65	650	2006-03	V8 6.0L Diesel	2	65	750	2007-04	V6 4.2L Optional		65	650
1996-94	V8 7.5L Optional		65	850	2003-99	V8 7.3L Diesel	2	65	750	Freestyle				
F-150					F-350					2007-05	V6 3.0L		36R	540
2013-11	V6 3.5L		65	750	1997	V8 5.8L		59	540	2006-05	V6 3.0L Optional		36R	600
2013-11	V6 3.7L		65	750	1997	V8 5.8L Optional		65	750	Fusion				
2013-11	V8 5.0L		65	750	1997	V8 7.3L Diesel	2	65	750	2013	L4 1.6L		96R	500
2013-10	V8 6.2L		65	750	1997	V8 7.5L		59	540	2013	L4 1.6L Optional		96R	590
2010-08	V8 4.6L Optional		65	650	1997	V8 7.5L Optional		65	750	2013	L4 2.0L Gas		96R	500
2010-08	V8 5.4L Optional		65	650	1996-94	L6 4.9L		65	650	2013	L4 2.0L Gas, Optional		96R	590
2010-07	V8 4.6L		59	540	1996-94	L6 4.9L Optional		65	850	2013	L4 2.0L Hybrid		96R	500
2010-07	V8 5.4L		59	540	1996-94	V8 5.8L		65	650	2013	L4 2.0L Hybrid, Optional		96R	590
2008-07	V6 4.2L		59	540	1996-94	V8 5.8L Optional		65	850	2013	L4 2.5L		96R	500
2008	V6 4.2L Optional		65	650	1996-94	V8 7.3L Diesel	2	65	850	2012-10	L4 2.5L Optional		96R	590
2006-97	V8 4.6L Canada or Optional		65	650	1996-94	V8 7.5L		65	650	2012-10	L4 2.5L Gas		96R	500
2006-97	V8 4.6L U.S.		59	540	1996-94	V8 7.5L Optional		65	850	2012-10	L4 2.5L Hybrid		67R	390
2006-97	V8 5.4L Canada or Optional		65	650	F-350 Super Duty					2012-10	V6 3.0L		96R	500
2006-97	V8 5.4L U.S.		59	540	2013-11	V8 6.2L		65	650	2012-10	V6 3.5L		96R	500
2006-05	V6 4.2L Canada or Optional		65	650	2013-11	V8 6.2L Optional		65	750	2009-07	L4 2.3L		96R	500
2006-05	V6 4.2L U.S.		59	540	2013-11	V8 6.7L Diesel	2	65	750	2009-06	V6 3.0L		40R	590
2003-97	V6 4.2L Canada or Optional		65	650	2010-99	V10 6.8L		65	650	2006	L4 2.3L		40R	590
2003-97	V6 4.2L U.S.		59	540	2010-99	V10 6.8L Optional		65	750	Mustang				
1997	V6 4.2L Canada & Optional		65	650	2010-99	V8 5.4L		65	650	2013-12	V8 5.0L BOSS		96R	500
1996-94	L6 4.9L		65	650	2010-99	V8 5.4L Optional		65	750	2013-12	V8 5.0L ex. BOSS		96R	590
1996-94	L6 4.9L Optional		65	850	2010-08	V8 6.4L Diesel	2	65	750	2013-11	V6 3.7L		96R	590
1996-94	V8 5.0L		65	650	2008-99	V10 6.8L		65	650	2013	V8 5.8L		96R	590
1996-94	V8 5.0L Optional		65	850	2008-99	V10 6.8L Optional		65	750	2012-11	V8 5.4L		96R	590
1996-94	V8 5.8L		65	650	2007-03	V8 6.0L Diesel	2	65	750	2011	V8 5.0L		96R	590
1996-94	V8 5.8L Optional		65	850	2003-99	V8 7.3L Diesel	2	65	750	2010-08	V8 4.6L		96R	500
F-150 Heritage					F53					2010-07	V8 5.4L		40R	590
2004	V6 4.2L Canada or Optional		65	650	2011-00	V10 6.8L		65	750	2010-05	V6 4.0L		96R	500
2004	V6 4.2L U.S.		59	540	1997	V8 7.5L		59	540	2009-08	V6 4.0L w/High Electrical Content		40R	590
2004	V8 4.6L Canada or Optional		65	650	1996-94	V8 7.5L		65	650	2009-08	V8 4.6L w/High Electrical Content		40R	590
2004	V8 4.6L U.S.		59	540	F-550 Super Duty					2007	V8 4.6L		40R	590
2004	V8 5.4L Canada or Optional		65	650	2013-99	V10 6.8L		65	650	2006-05	V6 4.0L Optional		40R	590
2004	V8 5.4L U.S.		59	540	2013-99	V10 6.8L Optional		65	750					
F-250					2013-11	V8 6.7L Diesel	2	65	750					
1999-97	V8 4.6L Opt. Over 8500lbs.		65	650										

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YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
FORD (Cont.)					FORD (Cont.)					GMC (Cont.)				
Mustang (Cont.)					Thunderbird (Cont.)					C2500 Suburban (Cont.)				
2006-05	V8 4.6L		96R	500	1995-94	V6 3.8L U.S.		58	540	1999-94	V8 7.4L		78	600
2006-05	V8 4.6L Optional		40R	590	Transit Connect					1999	V8 5.7L Optional		78	690
2004-97	V6 3.8L		59	540	2013-12	Electric		96R	500	1999	V8 6.5L Diesel & Optional	2	78	690
2004-97	V8 4.6L		59	540	2013-10	L4 2.0L		96R	590	1999	V8 7.4L Optional		78	690
2004	V6 3.9L		59	540	Windstar					1996-94	V8 6.5L Diesel	2	78	770
2000	V8 5.4L		59	540	2003-97	V6 3.8L Optional	48	65	750	C3500				
1996	V6 3.8L Early		58	540	2003-95	V6 3.8L		65	650	2002-99	V8 6.5L Diesel & Optional	2	78	690
1996	V6 3.8L Late		59	540	2000-97	V6 3.0L		59	540	2002-97	V8 6.5L Diesel	2	78	600
1996	V8 4.6L Early		58	540	2000	V6 3.0L Optional	48	65	750	2002-01	V8 8.1L		78	600
1996	V8 4.6L Late		59	540	1999-97	V6 3.0L Optional	48	65	650	2002-01	V8 8.1L Optional		78	690
1995-94	V6 3.8L		58	540	1996	V6 3.0L		65	850	2000-99	V8 5.7L Optional		78	690
1995-94	V8 5.0L		58	540	1996	V6 3.0L Optional	48	58	540	2000-99	V8 7.4L Optional		78	690
1995	V8 5.8L		58	540	1996	V6 3.8L Optional		65	750	2000-94	V8 5.7L		78	600
Police Interceptor Sedan					1995	V6 3.0L Optional		58	540	2000	V8 7.4L		78	600
2013	V6 3.5L ex. EcoBoost		59	540	FREIGHTLINER					1999	V8 7.4L Primary Battery		78	600
2013	V6 3.5L w/EcoBoost		65	650	Sprinter 2500					1998-94	V8 7.4L		78	600
2013	V6 3.7L		59	540	2013-07	V6 3.0L Diesel	54	49	850	1996-94	V8 6.5L Diesel	2	78	770
Police Interceptor Utility					2008-07	V6 3.5L	54	49	850	Canyon				
2013	V6 3.7L		59	540	2006-02	L5 2.7L Diesel	54	49	850	2012-09	V8 5.3L	40	86	590
Probe					Sprinter 3500					2012-08	L4 2.9L	40	86	590
1997-94	L4 2.0L		58R	580	2013-07	V6 3.0L Diesel	54	49	850	2012-08	L5 3.7L	40	86	590
1997-94	V6 2.5L		58R	580	2006-02	L5 2.7L Diesel	54	49	850	2007	L4 2.9L	11,40	86	640
Ranger					GEO					2007	L5 3.7L	11,40	86	590
2011-97	V6 4.0L		59	540	Metro					2006-04	L4 2.8L	11,40	86	640
2011-01	L4 2.3L		59	540	1997-95	L3 1.0L		26R	390	2006-04	L5 3.5L	11,40	86	590
2008-97	V6 3.0L		59	540	1997-95	L4 1.3L		26R	390	Envoy				
2001-98	L4 2.5L		59	540	1994	L3 1.0L		26	390	2009-03	V8 5.3L	40	78	600
1997-94	L4 2.3L Optional		65	650	1994	L4 1.3L		26	390	2009-02	L6 4.2L	40	78	600
1997-94	V6 3.0L Optional		65	650	Prizm					G1500				
1997	L4 2.3L		59	540	1997-94	L4 1.6L		35	310	1995-94	V6 4.3L		78	600
1997	V6 4.0L Optional		65	650	1997-94	L4 1.8L		35	310	1995-94	V8 5.0L		78	600
1996-94	L4 2.3L		58	540	Tracker					G2500				
1996-94	V6 3.0L		58	540	1997-95	L4 1.6L		26R	500	1995-94	V6 4.3L		78	600
1996-94	V6 4.0L		65	650	1994	L4 1.6L		26	525	1995-94	V8 5.0L		78	600
Taurus					GMC					1995-94	V8 5.7L		78	600
2013-10	V6 3.5L ex. SHO		59	540	Acadia					1995-94	V8 5.7L		78	600
2013-10	V6 3.5L SHO		65	650	2013-10	V6 3.6L	54	48	660	1995-94	V8 6.5L Diesel	2	78	600
2013	L4 2.0L		65	650	2009-07	V6 3.6L	54	48	730	G3500				
2009-08	V6 3.5L		59	540	C1500					1996-94	V8 5.7L	2	78	600
2007-06	V6 3.0L		36R	540	1999-94	V8 5.0L		78	600	1996-94	V8 5.7L Diesel	2	78	600
2006	V6 3.0L Optional		36R	600	1999-94	V8 5.7L		78	600	1996-94	V8 7.4L		78	600
2005-00	V6 3.0L DOHC, Opt. & Canada		36R	600	1999	V8 5.0L Optional		78	690	1995-94	V6 4.3L		78	600
2005	V6 3.0L OHV		36R	600	1999	V8 5.7L Optional		78	690	Jimmy				
2004-01	V6 3.0L OHV		36R	540	1998-94	V6 4.3L		78	600	2005-95	V6 4.3L Optional		75	690
2004-01	V6 3.0L OHV, Optional		36R	600	1997	V8 6.5L Diesel	2	78	600	2005-94	V6 4.3L		75	525
2000-96	V6 3.0L SOHC		58R	540	1996-94	V8 6.5L Diesel	2	78	770	K1500				
1999-96	V8 3.4L SHO		36R	650	C1500 Suburban					1999-94	V8 5.0L		78	600
1999	V6 3.0L DOHC or Optional		36R	650	1999-98	V8 6.5L Diesel	2	78	600	1999-94	V8 5.7L		78	600
1998-96	V6 3.0L DOHC, Opt. & Canada		36R	650	1999-94	V8 5.7L		78	600	1999	V8 5.0L Optional		78	690
1995-94	V6 3.0L ex. SHO		58	540	1999	V8 5.7L Optional		78	690	1999	V8 5.7L Optional		78	690
1995-94	V6 3.0L ex. SHO Optional		65	650	1999	V8 6.5L Diesel & Optional	2	78	690	1998-97	V8 6.5L Diesel	2	78	600
1995-94	V6 3.0L SHO		34	650	1997	V8 6.5L Diesel	2	78	690	1998-94	V6 4.3L		78	600
1995-94	V6 3.2L SHO		34	650	1996-95	V8 6.5L Diesel	2	78	770	1996-94	V8 6.5L Diesel	2	78	770
1995-94	V6 3.8L ex. Police		65	650	C2500					K1500 Suburban				
1995-94	V6 3.8L Police or Optional		65	850	2000-99	V8 5.7L Optional		78	690	1999-97	V8 6.5L Diesel	2	78	600
Taurus X					2000-99	V8 7.4L Optional		78	690	1999-94	V8 5.7L		78	600
2009-08	V6 3.5L		59	540	2000-99	V8 7.4L Primary Battery		78	600	1999	V8 5.7L Optional		78	690
Tempo					2000-97	V8 6.5L Diesel	2	78	600	1999	V8 6.5L Diesel & Optional	2	78	690
1994	L4 2.3L		58	540	2000-94	V8 5.7L		78	600	1996-95	V8 6.5L Diesel	2	78	770
1994	V6 3.0L		58	460	2000	V8 6.5L Diesel & Optional	2	78	690	K2500				
1994	V6 3.0L Optional		58	540	1999	V8 6.5L Diesel & Optional	2	78	600	2000-99	V8 5.7L Optional		78	690
Thunderbird					1998-94	V8 5.0L		78	600	2000-99	V8 6.5L Diesel & Optional	2	78	690
2005-02	V8 3.9L	54	66	650	1998-94	V8 7.4L		78	600	2000-97	V8 7.4L Optional	2	78	600
1997-94	V6 3.8L U.S. Opt. or Canada		65	650	1996-94	V8 6.5L Diesel	2	78	770	2000-94	V8 5.7L		78	600
1997-94	V8 4.6L		65	650	1995-94	V6 4.3L		78	600	2000-94	V8 7.4L		78	600
1997	V6 3.8L U.S.		59	540	C2500 Suburban					1998	V8 5.0L		78	600
1996	V6 3.8L U.S., Early		58	540	1999-97	V8 6.5L Diesel	2	78	600	1996-94	V8 6.5L Diesel	2	78	770
1996	V6 3.8L U.S., Late		59	540	1999-94	V8 5.7L		78	600	1995-94	V6 4.3L		78	600
										1995-94	V8 5.0L		78	600
										K2500 Suburban				
										1999-97	V8 6.5L Diesel	2	78	600

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GMC (Cont.)					GMC (Cont.)					GMC (Cont.)				
K2500 Suburban (Cont.)					Savana 3500 (Cont.)					Sierra 2500 HD (Cont.)				
1999-94	V8 5.7L		78	600	2013-04	V8 4.8L		78	600	2007	V8 8.1L Late		48	615
1999-94	V8 7.4L		78	600	2013-03	V8 6.0L		78	600	2006-03	V8 6.6L Diesel	2	78	770
1999	V8 5.7L Optional		78	690	2006	V8 6.6L Diesel	2	79	800	2006-01	V8 6.0L		78	600
1999	V8 6.5L Diesel & Optional	2	78	690	2005-03	V8 6.0L Optional		79	800	2006-01	V8 8.1L		78	600
1999	V8 7.4L Optional		78	690	2004	V8 4.8L Optional		79	800	2006	V8 6.0L Optional		78	690
1996-94	V8 6.5L Diesel	2	78	770	2002-99	V8 5.7L Optional		78	690	2006	V8 8.1L Optional		78	690
K3500					2002-96	V8 5.7L		78	600	2005-01	V8 6.0L Optional		78	770
2000-99	V8 5.7L Optional		78	690	2002-96	V8 6.5L Diesel	2	78	600	2005	V8 8.1L Optional		78	770
2000-99	V8 6.5L Diesel & Optional	2	78	690	2002-01	V8 8.1L		78	600	2004	V8 6.6L Diesel	2	78	600
2000-99	V8 7.4L Optional		78	690	2002-01	V8 8.1L Optional		78	690	2003	V8 8.1L Optional		78	770
2000-97	V8 6.5L Diesel	2	78	600	2000	V8 7.4L		78	600	2002-01	V8 6.6L Diesel	2	78	600
2000-94	V8 5.7L		78	600	2000	V8 7.4L Optional		78	690	2002-01	V8 6.6L Diesel Optional	2	78	690
2000-94	V8 7.4L		78	600	1999	V8 7.4L		78	630	2002	V8 8.1L Optional		78	690
1996-94	V8 6.5L Diesel	2	78	770	1998-96	V8 7.4L		78	600	Sierra 3500				
P3500					Savana 4500					2007	V8 6.0L Early		78	600
1999-97	V6 4.3L		78	600	2013-10	V8 6.0L Optional		78	770	2007	V8 6.0L Late		48	615
1999-97	V6 4.3L Optional		78	690	2013-09	V8 6.0L		78	600	2007	V8 6.6L Diesel, Early	2	78	770
1999-97	V8 5.7L		78	600	2013-09	V8 6.6L Diesel	2	78	770	2007	V8 6.6L Diesel, Late	2	48	730
1999-97	V8 5.7L Optional		78	690	Sierra 1500					2007	V8 8.1L Early		78	600
1999-94	V8 6.5L Diesel	2	78	600	2013-09	V6 4.3L Optional		48	730	2007	V8 8.1L Late		48	615
1999-94	V8 7.4L		78	600	2013-09	V8 4.8L Optional		48	730	2006-03	V8 6.6L Diesel	2	78	770
1996-94	V6 4.3L		75	525	2013-09	V8 5.3L Optional		48	730	2006-01	V8 6.0L		78	600
1996-94	V6 4.3L Optional		78	600	2013-09	V8 6.2L		48	615	2006-01	V8 8.1L		78	600
1996-94	V8 5.7L		75	525	2013-09	V8 6.2L Optional		48	730	2006	V8 6.0L Optional		78	690
1996-94	V8 5.7L Optional		78	600	2013-08	V6 4.3L		48	615	2006	V8 8.1L Optional		78	690
Safari					2013-08	V8 4.8L		48	615	2005-03	V8 8.1L Optional		78	770
2005-04	V6 4.3L Optional; w/SEO		78	770	2013-08	V8 5.3L		48	615	2005-01	V8 6.0L Optional		78	770
2005-04	V6 4.3L Primary Battery		78	600	2012-10	V8 6.0L Hybrid		48	730	2004	V8 6.6L Diesel	2	78	600
2003-94	V6 4.3L		78	600	2012-10	V8 6.0L Hybrid, Optional		48	730	2002-01	V8 6.6L Diesel	2	78	600
2003-02	V6 4.3L Optional		78	770	2009-08	V8 6.0L		48	615	2002-01	V8 6.6L Diesel Optional	2	78	690
Savana 1500					2009	V8 6.0L Optional		48	730	2002	V8 8.1L Optional		78	690
2013-10	V6 4.3L Optional		78	770	2007-07	V8 5.3L Early		78	600	2001	V8 8.1L Optional		78	600
2013-10	V8 5.3L Optional		78	770	2007-07	V8 5.3L Late		48	615	Sierra 3500 HD				
2013-06	V6 4.3L		78	600	2007	V6 4.3L Early		78	600	2013-11	V8 6.0L		48	615
2013-03	V8 5.3L		78	600	2007	V6 4.3L Late		48	615	2013-09	V8 6.0L Optional		48	730
2005-04	V6 4.3L Optional; w/SEO		79	800	2007	V8 4.8L Early		48	615	2013-08	V8 6.6L Diesel	2	48	730
2005-04	V6 4.3L Primary Battery		78	600	2007	V8 6.0L Early		78	600	2009-08	V8 6.0L		48	615
2005-03	V8 5.3L Optional		79	800	2007	V8 6.0L Late		48	615	2007	V8 6.0L Early	2	78	600
2003-96	V6 4.3L		78	600	2006-99	V6 4.3L		78	600	2007	V8 6.0L Late	2	48	615
2003	V6 4.3L Optional		79	800	2006-99	V8 4.8L		78	600	2007	V8 6.6L Diesel, Early	2	78	600
2002-99	V6 4.3L Optional		78	690	2006-99	V8 5.3L		78	600	2007	V8 6.6L Diesel, Late	2	48	730
2002-99	V8 5.0L Optional		78	690	2006-06	V8 5.3L Optional		78	690	Sierra C3				
2002-99	V8 5.7L Optional		78	690	2006-05	V8 6.0L		78	600	2001	V8 6.0L		78	600
2002-96	V8 5.0L		78	600	2006-05	V8 6.0L Optional		78	690	2001	V8 6.0L Optional		78	770
2002-96	V8 5.7L		78	600	2006	V6 4.3L Optional		78	690	Sierra Denali				
Savana 2500					2006	V8 4.8L Optional		78	690	2010-08	V8 6.2L		48	615
2013-10	V8 4.8L Optional		78	770	2005-99	V6 4.3L Optional		78	770	2009	V8 6.2L Optional		48	730
2013-10	V8 6.0L Optional		78	770	2005-04	V8 5.3L Optional		78	770	2007	V8 6.0L Early		48	615
2013-07	V8 6.6L Diesel	2	78	770	2001-99	V8 5.3L Optional		78	770	2007	V8 6.0L Late		48	615
2013-03	V8 4.8L		78	600	Sierra 1500 HD					2007	V8 6.2L Early		75	650
2013-03	V8 6.0L		78	600	2007	V8 6.0L Early		78	600	2006-02	V8 6.0L		78	600
2006	V8 6.6L Diesel	2	79	800	2007	V8 6.0L Late		48	615	2006	V8 6.0L Optional		78	690
2005-03	V8 4.8L Optional		79	800	2006-05	V8 6.0L		78	600	2005-02	V8 6.0L Optional		78	770
2005-03	V8 5.3L		78	600	2006	V8 6.0L Optional		78	690	Sonoma				
2005-03	V8 5.3L Optional		79	800	2005	V8 6.0L Optional		78	770	2004-94	V6 4.3L		75	525
2005-03	V8 6.0L Optional		79	800	2003-01	V8 6.0L Optional		78	600	2004-94	V6 4.3L Optional		75	690
2005	V6 4.3L Optional; w/SEO		79	800	2003-01	V8 6.0L Optional		78	770	2003-96	L4 2.2L		75	525
2005	V6 4.3L Primary Battery		78	600	Sierra 2500					2002	L4 2.2L Optional		75	690
2004-96	V6 4.3L		78	600	2004-99	V8 6.0L		78	600	2000-94	L4 2.2L Optional		75	690
2004-03	V6 4.3L Optional		79	800	2004-99	V8 6.0L Optional		78	770	Terrain				
2002-99	V6 4.3L Optional		78	690	2000-99	V8 5.3L Optional		78	770	2013-10	L4 2.4L		47	525
2002-99	V8 5.0L Optional		78	690	Sierra 2500 HD					2013	V6 3.6L		48	660
2002-99	V8 5.7L Optional		78	690	2013-11	V8 6.0L Optional		48	615	2012	V6 3.0L		48	660
2002-96	V8 5.0L		78	600	2013-08	V8 6.6L Diesel	2	48	730	2011-10	V6 3.0L		48	615
2002-96	V8 5.7L		78	600	2009	V8 6.0L Optional		48	730	Yukon				
2002-96	V8 6.5L Diesel	2	78	600	2007	V8 6.0L Early		78	600	2013-12	V8 5.3L		48	660
Savana 3500					2007	V8 6.0L Late		48	615	2013-12	V8 6.0L Hybrid		48	660
2013-10	V8 4.8L Optional		78	770	2007	V8 6.6L Diesel, Early	2	78	770	2013-12	V8 6.2L		48	660
2013-10	V8 6.0L Optional		78	770	2007	V8 6.6L Diesel, Late	2	48	730	2013-09	V8 5.3L Optional		48	730
2013-07	V8 6.6L Diesel	2	78	770	2007	V8 8.1L Early		78	600					

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GMC (Cont.)					HONDA (Cont.)					HUMMER (Cont.)				
Yukon (Cont.)					Accord (Cont.)					H2				
2013-09	V8 6.0L Hybrid, Optional		48	730	1997-96	V6 2.7L		24	500	2009-08	V8 6.2L		48	730
2013-09	V8 6.2L Optional		48	730	1997-94	L4 2.2L		24F	550	2007-03	V8 6.0L		79	840
2011-08	V8 6.0L Hybrid		48	615	1995	V6 2.7L		24F	550	H3				
2011-07	V8 5.3L		48	615	Accord Crosstour					2010	L5 3.7L	40	86	590
2011-07	V8 6.2L		48	615	2011-10	V6 3.5L	11	24F	550	2010	V8 5.3L	40	86	590
2009-07	V8 4.8L		48	615	Civic					2009	L5 3.7L	11,40	86	590
2009	V8 4.8L Optional		48	730	2013-12	L4 1.5L Hybrid		151R	340	2009	V8 5.3L	11,40	86	590
2006-06	V8 5.3L Optional		78	690	2013-12	L4 2.4L Canada		51R	410	2008-07	L5 3.7L	11,40	86	640
2006-01	V8 6.0L		78	600	2013-12	L4 2.4L U.S.		51R	310	2008	V8 5.3L	11,40	86	640
2006-00	V8 4.8L		78	600	2013-08	L4 1.8L Canada		51R	410	2006	L5 3.5L	11,40	86	640
2006-00	V8 5.3L		78	600	2013-08	L4 1.8L U.S.		51R	310	H3T				
2006	V8 4.8L Optional		78	690	2011-08	L4 2.0L Canada		51R	410	2010	L5 3.7L	40	86	590
2006	V8 6.0L Optional		78	690	2011-08	L4 2.0L U.S.		51R	310	2010	V8 5.3L	40	86	590
2005-03	V8 4.8L Optional		78	770	2011-06	L4 1.3L Hybrid		151R	340	2009	L5 3.7L	11,40	86	590
2005-03	V8 5.3L Optional		78	770	2007-06	L4 1.8L		51R	435	2009	V8 5.3L	11,40	86	590
2005	V8 6.0L Optional		78	770	2007	L4 2.0L		51R	440	HYUNDAI				
2001-00	V8 4.8L Optional		78	690	2006-02	L4 2.0L		51R	435	Accent				
2001-00	V8 5.3L Optional		78	690	2005-03	L4 1.3L Hybrid		51R	410	2013-01	L4 1.6L		121R	500
2000-99	V8 5.7L Optional		78	690	2005-01	L4 1.7L		51	410	2003-01	L4 1.5L		121R	500
2000-99	V8 5.7L Primary Battery		78	600	2000-94	L4 1.6L		51R	410	2000-98	L4 1.5L		121R	435
2000	V8 5.7L Police & Optional		78	770	1995-94	L4 1.5L		51R	410	1997-95	L4 1.5L		121R	410
1999-94	V8 5.7L		78	600	Civic del Sol					1997-95	L4 1.5L Optional		121R	580
1999	V8 5.7L Police or Optional		78	770	1997-94	L4 1.6L		51R	410	Azera				
1997	V8 6.5L Diesel	2	78	600	1995-94	L4 1.5L		51R	410	2013-07	V6 3.3L		124R	600
1996-94	V8 6.5L Diesel	2	78	770	Crosstour					2011-06	V6 3.8L		124R	600
Yukon XL 1500					2013-12	L4 2.4L Calif. & Canada		35	440	Elantra				
2013-12	V8 5.3L		48	660	2013-12	L4 2.4L U.S. ex. California		51R	410	2013-11	L4 1.8L		48	550
2013-12	V8 6.2L		48	660	2013-12	V6 3.5L	11	24F	550	2012-11	L4 2.0L		48	550
2013-09	V8 5.3L Optional		48	730	CR-V					2010	L4 2.0L		121R	600
2013-09	V8 6.2L Optional		48	730	2013-02	L4 2.4L		51R	410	2009-07	L4 2.0L		121R	550
2011-07	V8 5.3L		48	615	2001-97	L4 2.0L		51R	410	2006	L4 2.0L		124R	500
2011-07	V8 6.2L		48	615	CR-Z					2005-04	L4 2.0L		124R	560
2009-07	V8 6.0L		48	615	2013-11	L4 1.5L Hybrid		151R	340	2003-99	L4 2.0L		124R	550
2009	V8 6.0L Optional		48	730	Element					1998-97	L4 1.8L	45	N/A	600
2006-01	V8 5.3L		78	600	2011-03	L4 2.4L		51R	410	1996-94	L4 1.8L Canada or Optional		24	540
2006-01	V8 6.0L		78	600	Fit					1996-94	L4 1.8L U.S.		25	435
2006	V8 5.3L Optional		78	690	2013-07	L4 1.5L		151R	340	1995-94	L4 1.6L Canada or Optional		24	540
2006	V8 6.0L Optional		78	690	Insight					1995-94	L4 1.6L U.S.		25	435
2005-03	V8 5.3L Optional		78	770	2013-10	L4 1.3L Hybrid		151R	340	Entourage				
2005	V8 6.0L Optional		78	770	2006-00	L3 1.0L Hybrid		51	270	2010-07	V6 3.8L		124R	600
2001-00	V8 5.3L Optional		78	690	Odyssey					Equus				
2000	V8 5.3L Police & Optional		78	770	2013-05	V6 3.5L	11	24F	550	2013-12	V8 5.0L	54	49	740
2000	V8 5.3L Primary Battery		78	600	2004-99	V6 3.5L		24F	550	2011	V8 4.6L		49	740
Yukon XL 2500					1998	L4 2.3L		24F	550	Excel				
2013-12	V8 6.0L		48	660	1997-95	L4 2.2L		24F	550	1994	L4 1.5L		25	420
2013-09	V8 6.0L Optional		48	730	Passport					Genesis				
2011-07	V8 6.0L		48	615	2002-98	V6 3.2L		24F	600	2013-12	V8 5.0L	54	49	740
2006-01	V8 6.0L		78	600	1997-96	V6 3.2L		24	600	2013-09	V6 3.8L	54	49	740
2006-01	V8 8.1L		78	600	1996	L4 2.6L		86	430	2012-09	V8 4.6L	54	49	740
2006	V8 6.0L Optional		78	690	1996	L4 2.6L Optional		24	600	Genesis Coupe				
2006	V8 8.1L Optional		78	690	1995-94	L4 2.6L		25	380	2013-10	L4 2.0L	54	124R	600
2005-03	V8 6.0L Optional		78	770	1995-94	V6 3.2L AT		24	600	2013-10	V6 3.8L		124R	600
2005-03	V8 8.1L Optional		78	770	1995-94	V6 3.2L MT		25	380	Santa Fe				
2001-00	V8 6.0L Optional		78	690	Pilot					2013-10	L4 2.4L		124R	600
2001	V8 8.1L Optional		78	690	2013-03	V6 3.5L	11	24F	550	2013	L4 2.0L		124R	600
2000	V8 6.0L Police & Optional		78	770	Prelude					2013	V6 3.3L		124R	600
2000	V8 6.0L Primary Battery		78	600	2001-94	L4 2.2L		24F	550	2012-10	V6 3.5L		124R	600
HONDA					1996-94	L4 2.3L		24F	550	2009-07	V6 3.3L		124R	600
Accord					Ridgeline					2009-01	V6 2.7L		124R	600
2013-12	L4 2.4L U.S. ex. California	11	51R	410	2013-11	V6 3.5L		24F	550	2006-03	L4 2.4L		124R	600
2013-08	V6 3.5L		24F	550	2010-07	V6 3.5L		24F	585	2006-03	V6 3.5L		124R	600
2013	L4 2.4L Calif. & Canada		35	440	2006	V6 3.5L		24F	550	2002	L4 2.4L		124R	550
2012	L4 2.4L Canada & California		35	440	S2000					2001	L4 2.4L		124R	660
2011-10	L4 2.4L		51R	410	2009-04	L4 2.2L		51	430	Sonata				
2009-03	L4 2.4L		51R	435	2003-00	L4 2.0L		51	430	2013-11	L4 2.0L		124R	600
2007-03	V6 3.0L		35	440	HUMMER					2012-06	L4 2.4L		124R	600
2002-98	L4 2.3L		35	450	H1					2010	V6 3.3L		124R	700
2002-98	V6 3.0L		24	500	2006	V8 6.6L Diesel		79	840	2009-06	V6 3.3L		124R	600
					2004-03	V8 6.5L Diesel		79	840	2005-03	L4 2.4L		124R	560
					2002	V8 6.5L Diesel		78	770	2005-02	V6 2.7L		124R	600
										2002-99	L4 2.4L		124R	550
										2001	V6 2.5L		124R	600

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HYUNDAI (Cont.)					INFINITI (Cont.)					ISUZU (Cont.)				
Sonata (Cont.)					M35					Rodeo (Cont.)				
2000-99	V6 2.5L		124R	540	2010-06	V6 3.5L		24F	700	2001	V6 3.2L Canada & Optional		27F	625
1998-94	L4 2.0L		25	420	M35h					2000-98	V6 3.2L		24F	600
1998-94	L4 2.0L Optional		24	540	2013-12	V6 3.5L Hybrid	54	24F	700	1997-94	L4 2.6L		86	430
1998-94	V6 3.0L		24	540	M37					1997	V6 3.2L		24	600
Tiburon					2013-11	V6 3.7L		24F	700	1996-94	V6 3.2L AT		24	600
2008-03	L4 2.0L		124R	600	M45					1996-94	V6 3.2L MT		86	430
2008-03	V6 2.7L		124R	600	2010-06	V8 4.5L		24F	750	1996	L4 2.6L Optional		24	600
2001-97	L4 2.0L		124R	600	2004	V8 4.5L		24	490	Rodeo Sport				
1997	L4 1.8L		124R	600	2003	V8 4.5L		24	585	2003	L4 2.2L Canada or Optional		27F	625
Tucson					M56					2003	L4 2.2L U.S.		24F	600
2013-11	L4 2.0L		124R	600	2013-11	V8 5.6L		24F	750	2003	V6 3.2L Canada or Optional		27F	625
2013-10	L4 2.4L		124R	600	Q45					2003	V6 3.2L U.S.		24F	600
2009-05	L4 2.0L		124R	600	2006-02	V8 4.5L		24F	585	2002-01	L4 2.2L		24F	600
2009-05	V6 2.7L		124R	600	2001-97	V8 4.1L		24	585	2002-01	V6 3.2L		24F	600
Veloster					1996-94	V8 4.5L		27	625	Trooper				
2013-12	L4 1.6L		48	550	QX4					2002-01	V6 3.5L AT or Optional		27	625
Veracruz					2003	V6 3.5L		24	490	2002-01	V6 3.5L MT		24	585
2012-09	V6 3.8L		124R	660	2002	V6 3.5L		25	360	2000-98	V6 3.5L AT		27	625
2008-07	V6 3.8L		124R	600	2001	V6 3.5L		24	490	2000-98	V6 3.5L MT		24	580
XG300					2000-97	V6 3.3L Heated Seats & Canada, Optional		24	450	1997-95	V6 3.2L AT		27	625
2001	V6 3.0L		124R	600	2000-97	V6 3.3L U.S.		25	360	1997-95	V6 3.2L MT		24	580
XG350					QX56					1994	V6 3.2L AT		24	580
2005-02	V6 3.5L		124R	600	2013-04	V8 5.6L	68	27	710	1994	V6 3.2L MT		24	490
INFINITI					ISUZU					1994	V6 3.2L Optional		27	620
EX35					Amigo					VehiCROSS				
2012-08	V6 3.5L		35	585	2000-98	L4 2.2L		24F	600	2001-99	V6 3.5L Optional		27	625
EX37					2000-98	V6 3.2L		24F	600	2001	V6 3.5L		24	585
2013	V6 3.7L		24F	720	1994	L4 2.6L AT		24	600	2000-99	V6 3.5L		24	580
FX35					1994	L4 2.6L MT		25	430	JAGUAR				
2012-09	V6 3.5L		35	585	Ascender					S-Type				
2008-07	V6 3.5L w/Intelligent Key		24F	750	2008-03	L6 4.2L	40	78	600	2008-07	V6 3.0L	54	49	950
2008-07	V6 3.5L w/o Intelligent Key		35	550	2006-03	V8 5.3L	40	78	600	2008	V8 4.2L	54	49	850
2006-03	V6 3.5L		35	490	Axiom					2007	V8 4.2L	54	49	950
FX37					2004-02	V6 3.5L		24F	600	2006-03	V6 3.0L	54	49	750
2013	V6 3.7L		24F	720	Hombre					2006-03	V8 4.2L	54	49	750
FX45					2000-97	V6 4.3L		75	525	2002	V6 3.0L	54	48	600
2008-06	V8 4.5L w/Intelligent Key		24F	750	2000-97	V6 4.3L Optional		75	690	2002	V8 4.0L	54	48	600
2008-06	V8 4.5L w/o Intelligent Key		35	550	2000-96	L4 2.2L		75	525	2001-00	V6 3.0L	54	49	680
2005-03	V8 4.5L		35	490	2000-96	L4 2.2L Optional		75	690	2001-00	V8 4.0L	54	49	680
FX50					i-280					Super V8				
2013-09	V8 5.0L		24F	720	2006	L4 2.8L	11,40	86	640	2009-07	V8 4.2L	54	93	800
G20					i-290					2006-05	V8 4.2L		93	680
2002-99	L4 2.0L		24F	585	2008	L4 2.9L	40	86	640	Vanden Plas				
1996-94	L4 2.0L California		35	360	2007	L4 2.9L	11,40	86	640	2009	V8 4.2L	54	93	680
1996-94	L4 2.0L ex. California		24F	585	i-350					2008-04	V8 4.2L		93	680
G25					2006	L5 3.5L	11,40	86	640	2003-98	V8 4.0L		49	680
2012-11	V6 2.5L		24F	720	i-370					1997	L6 4.0L		93	680
G35					2008	L5 3.7L	40	86	640	1996-94	L6 4.0L	6,54	47	590
2008	V6 3.5L		35	550	2007	L5 3.7L	11,40	86	640	XF				
2007	V6 3.5L		24F	550	Oasis					2013-10	V8 5.0L	54	49	800
2006-03	V6 3.5L		35	490	1999-98	L4 2.3L		24F	550	2010-09	V8 4.2L	54	49	800
G37					1997-96	L4 2.2L		24F	550	XFR				
2013-08	V6 3.7L		35	585	Pickup					2013-10	V8 5.0L	54	49	800
I30					1995-94	L4 2.3L AT		24	600	XJ				
2001-98	V6 3.0L		24F	585	1995	L4 2.6L		24	600	2013-11	V8 5.0L	54	49	800
1997-96	V6 3.0L California		24F	415	1994	L4 2.3L MT		25	430	2013	V6 3.0L	54	49	800
1997-96	V6 3.0L Canada or Optional		24F	585	1994	L4 2.6L AT		24	600	XJ12				
1997-96	V6 3.0L U.S.		35	360	1994	L4 2.6L MT		25	430	1996-94	V12 6.0L	6,54	47	590
I35					1994	V6 3.1L		25	430	XJ6				
2004-03	V6 3.5L		24F	445	Rodeo					1997-94	L6 4.0L	6,54	47	590
2002	V6 3.5L		24F	585	2004	V6 3.2L		24F	600	XJ8				
J30					2004	V6 3.5L		24	650	2009-07	V8 4.2L	54	49	950
1997-94	V6 3.0L		24	585	2003-02	V6 3.2L Canada or Optional		27F	625	2006-04	V8 4.2L	54	49	750
JX35					2003-02	V6 3.2L U.S.		24F	600	2003-98	V8 4.0L		49	680
2013	V6 3.5L		24F	720	2003	L4 2.2L Canada or Optional		27F	625	2009-07	V8 4.2L	54	49	950
					2003	L4 2.2L U.S.		24F	600	2006-04	V8 4.2L	54	49	750
					2002-98	L4 2.2L		24F	600	2003-98	V8 4.0L		49	680
										1997	L6 4.0L		49	680
										1996-95	L6 4.0L		47	590

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JAGUAR (Cont.)					JEEP (Cont.)					KIA (Cont.)				
XJS					Grand Cherokee (Cont.)					Rondo				
1996-95	L6 4.0L		48	600	2004-99	L6 4.0L		65	625	2012-07	L4 2.4L		124R	600
1995-94	V12 6.0L	6,54	47	590	2004-99	V8 4.7L		65	625	2012-07	V6 2.7L		124R	600
1994	L6 4.0L	6,54	47	590	1998-94	L6 4.0L		34	600	Sedona				
XK					1998-94	V8 5.2L		34	600	2012-11	V6 3.5L		124R	660
2013-10	V8 5.0L	54	49	800	1998	V8 5.9L		34	600	2010-06	V6 3.8L		124R	600
2009-07	V8 4.2L	54	93	800	Liberty					2005-03	V6 3.5L		24F	500
XK8					2012-03	V6 3.7L		34	600	2002	V6 3.5L		24F	600
2006-04	V8 4.2L	54	49	750	2006-05	L4 2.8L Diesel	45	N/A	800	Sephia				
2003	V8 4.2L		49	680	2005-03	L4 2.4L		34	600	2001-95	L4 1.8L	22	90	450
2002-97	V8 4.0L		49	680	2002	L4 2.4L		86	525	1997-94	L4 1.6L	23	56	450
XKR					2002	V6 3.7L		86	525	Sorento				
2013-10	V8 5.0L	54	49	800	Patriot					2013-11	L4 2.4L		124R	700
2009-07	V8 4.2L	54	93	800	2013-07	L4 2.0L		86	525	2013-11	V6 3.5L		124R	700
2006-04	V8 4.2L	54	49	750	2013-07	L4 2.4L		86	525	2009-08	V6 3.3L	45	N/A	700
2003	V8 4.2L		49	680	TJ					2009-07	V6 3.8L	45	N/A	700
2002-00	V8 4.0L		49	680	2006-05	L4 2.4L		34	600	2006-03	V6 3.5L	45	N/A	700
XKR-S					2006-02	L6 4.0L		34	600	Soul				
2013-12	V8 5.0L	54	49	800	2003	L4 2.4L		34	600	2013-10	L4 1.6L		121R	550
X-Type					2002	L4 2.5L		34	600	2013-10	L4 2.0L		121R	550
2008-07	V6 3.0L		47	520	2001-97	L4 2.5L		34	500	Spectra				
2006-04	V6 3.0L		94R	700	2001-97	L6 4.0L		34	500	2009-04	L4 2.0L	6	90	540
2005-04	V6 2.5L		94R	700	Wrangler					2004-02	L4 1.8L	6	90	540
2003-02	V6 2.5L		92	720	2013-12	V6 3.6L		48	600	2001-00	L4 1.8L	6	90	450
2003-02	V6 3.0L		92	720	2011-07	V6 3.8L		34	600	Spectra5				
JEEP					2006-03	L4 2.4L		34	600	2009-05	L4 2.0L	6	90	540
Cherokee					2006-02	L6 4.0L		34	600	Sportage				
2001-98	L6 4.0L		34	500	2002	L4 2.5L		34	600	2013-11	L4 2.4L		124R	600
2000-98	L4 2.5L		34	500	2001-97	L4 2.5L		34	500	2013-05	L4 2.0L		124R	600
1997-94	L4 2.5L		58	430	2001-97	L6 4.0L		34	500	2010-05	V6 2.7L		124R	600
1997-94	L4 2.5L Optional		58	500	2000-97	L4 2.5L Optional		34	600	2002	L4 2.0L	29,45	N/A	600
1997-94	L6 4.0L		58	430	2000	L6 4.0L Optional		34	600	2001-00	L4 2.0L From 5/16/00	7	86	540
1997-94	L6 4.0L Optional		58	500	1998-97	L6 4.0L Optional		34	600	2000	L4 2.0L To 5/16/00	7	58	470
Commander					1995-94	L4 2.5L Optional		58	500	1999-95	L4 2.0L	7	58	470
2010	V6 3.7L		94R	625	1995-94	L6 4.0L		58	430	LAMBORGHINI				
2010	V8 5.7L		94R	625	1995-94	L6 4.0L Optional		58	500	Aventador				
2009	V6 3.7L		94R	730	KIA					2012	V12 6.5L	54	49	800
2009	V8 4.7L		94R	730	Amanti					Diablo				
2009	V8 5.7L		94R	730	2009-07	V6 3.8L		124R	600	2001-00	V12 6.0L	54	34R	700
2008	V6 3.7L Early		94R	730	2006-05	V6 3.5L		124R	600	2000-94	V12 5.7L	54	34R	700
2008	V6 3.7L Late		94R	625	2004	V6 3.5L		34R	600	Gallardo				
2008	V8 4.7L Early		94R	730	Borrego					2012-09	V10 5.2L	54	49	800
2008	V8 4.7L Late		94R	625	2011-09	V6 3.8L		124R	600	2009-08	V10 5.0L	54	49	800
2008	V8 5.7L Early		94R	730	2011-09	V8 4.6L	45	N/A	900	2007-04	V10 5.0L	54	34	700
2008	V8 5.7L Late		94R	625	Forte					Murcielago				
2007-06	V6 3.7L		94R	730	2013-10	L4 2.0L		121R	550	2010-08	V12 6.5L	54	49	800
2007-06	V8 4.7L		94R	730	2013-10	L4 2.4L		121R	550	2007-06	V12 6.5L	54	34R	700
2007-06	V8 5.7L		94R	730	Forte Koup					2007-01	V12 6.2L	54	34R	700
Compass					2013-10	L4 2.0L		121R	550	LAND ROVER				
2013-07	L4 2.0L		86	525	2013-10	L4 2.4L		121R	550	Defender 90				
2013-07	L4 2.4L		86	525	Forte5					1997	V8 4.0L	9	24	600
Grand Cherokee					2013-12	L4 2.0L		121R	550	1995-94	V8 3.9L	9	24	600
2013-12	V8 6.4L	47,54	94R	700	2013-12	L4 2.4L		121R	550	Discovery				
2013-11	V6 3.6L	47,54	94R	700	Magentis					2004	V8 4.6L		34	700
2013-11	V8 5.7L	47,54	94R	700	2010-02	V6 2.7L		124R	600	2003	V8 4.6L	9	24	590
2010	V6 3.7L		94R	625	2010-01	L4 2.4L		124R	600	2002-99	V8 4.0L	9	24	600
2010	V8 5.7L		94R	625	2001	V6 2.5L		124R	600	1998-96	V8 4.0L		34	600
2010	V8 6.1L		94R	625	Optima					1995-94	V8 3.9L		34	600
2009-08	V6 3.0L Diesel		49	800	2013-11	L4 2.0L		124R	600	Freelander				
2009	V6 3.7L		94R	730	2013-11	L4 2.4L Gas		124R	600	2005-03	V6 2.5L		47	480
2009	V8 4.7L		94R	730	2013-11	L4 2.4L Hybrid	45,52	H6R	600	2002	V6 2.5L		91	690
2009	V8 5.7L		94R	730	2010-04	L4 2.4L		124R	600	LR2				
2009	V8 6.1L		94R	730	2010-02	V6 2.7L		124R	600	2012-08	L6 3.2L		94R	700
2008	V6 3.7L Early		94R	730	2003-01	L4 2.4L	6	47	600	LR3				
2008	V6 3.7L Late		94R	625	2001	V6 2.5L	6	47	600	2009-05	V8 4.4L		94R	700
2008	V8 4.7L Early		94R	730	Rio					2008-07	V6 4.0L		94R	700
2008	V8 4.7L Late		94R	625	2013-12	L4 1.6L		121R	550	2006-05	V6 4.0L	6	49	720
2008	V8 5.7L Early		94R	730	2011-03	L4 1.6L		35	500	LR4				
2008	V8 5.7L Late		94R	625	2002-01	L4 1.5L		35	500	2013-10	V8 5.0L		49	720
2008	V8 6.1L Early		94R	730	Rio5					Range Rover				
2007-06	V8 6.1L		94R	730	2013-12	L4 1.6L		121R	550	2013-10	V8 5.0L		49	720
2007-05	V6 3.7L		94R	730	2011-06	L4 1.6L		35	500					
2007-05	V8 4.7L		94R	730										
2007-05	V8 5.7L		94R	730										
2007	V6 3.0L Diesel		94R	730										

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LAND ROVER (Cont.)					LEXUS (Cont.)					LINCOLN (Cont.)				
Range Rover (Cont.)					LS400 (Cont.)					MKX				
2009-07	V8 4.2L		49	800	1994	V8 4.0L		27F	580	2013-11	V6 3.7L		65	650
2009-07	V8 4.4L		49	800	LS430					2010-07	V6 3.5L		36R	650
2006-03	V8 4.4L		95R	850	2006-01	V8 4.3L		24F	585	MKZ				
2006	V8 4.2L		95R	850	LS460					2013	L4 2.0L Gas		96R	500
2002-99	V8 4.6L		30H	900	LS600h					2013	L4 2.0L Gas, Optional		96R	590
2000-99	V8 4.0L		30H	900	2013-07	V8 4.6L		24	585	2013	L4 2.0L Hybrid		96R	500
1998-96	V8 4.6L		31A	660	LS600h					2013	L4 2.0L Hybrid, Optional		96R	590
1998-95	V8 4.0L		30H	825	2013-08	V8 5.0L Hybrid	45,54,60,69	S75D31L	450	2013	V6 3.7L		65	650
1995	V8 3.9L		30H	825	LX450					2012-11	L4 2.5L Hybrid		67R	390
1995	V8 4.2L	9	24	600	1997-96	L6 4.5L		27F	625	2012-10	V6 3.5L		96R	500
1994	V8 3.9L Canada	9	24	900	LX470					2009-07	V6 3.5L		96R	590
1994	V8 3.9L U.S.	9	24	600	2007-03	V8 4.7L		27F	710	Navigator				
1994	V8 4.2L Canada	9	24	900	2002	V8 4.7L		27F	585	2013-07	V8 5.4L ex. Climate Seats		65	650
1994	V8 4.2L U.S.	9	24	600	2001-98	V8 4.7L		27F	650	2013-07	V8 5.4L w/Climate seats		65	750
Range Rover Evoque					LX570					2006-98	V8 5.4L		65	650
2013-12	L4 2.0L		94R	765	LX570					2006-98	V8 5.4L Optional		65	750
Range Rover Sport					2013	V8 5.7L		27F	710	Town Car				
2013-10	V8 5.0L		49	720	2011-08	V8 5.7L		27F	710	2011-06	V8 4.6L Long Wheel Base		65	750
2009-07	V8 4.2L		49	800	RX300					2011-06	V8 4.6L Short Wheel Base		65	650
2009-07	V8 4.4L		49	800	2003-99	V6 3.0L		24F	585	2005-99	V8 4.6L Optional & Limo		65	750
2006	V8 4.2L		94R	700	RX330					2005-97	V8 4.6L ex. Limousine		65	650
2006	V8 4.4L		94R	700	2006-04	V6 3.3L		24F	585	1998-97	V8 4.6L Optional & Limo		65	850
LEXUS					RX350					1996-95	V8 4.6L ex. HWS or Limo		65	650
CT200h					2013-10	V6 3.5L	67	24F	585	1996-95	V8 4.6L HWS or Opt., Limo		65	850
2013-11	L4 1.8L Hybrid	45,54,67,69	S46B24R	325	2009-07	V6 3.5L		24F	585	1994	V8 4.6L ex. HWS		65	650
ES300					RX400h					1994	V8 4.6L HWS		65	850
2003-99	V6 3.0L		35	360	2008-06	V6 3.3L Hybrid		51R	435	Zephyr				
2003-94	V6 3.0L Optional		24F	585	RX450h					2006	V6 3.0L		40R	590
1997-94	V6 3.0L		35	360	2013-10	V6 3.5L Hybrid	45,54,60,67,69	S55D23L	360	LOTUS				
ES300h					SC300					Elise				
2013	L4 2.5L Hybrid	45,54,60,69	S65D26R	0	2000-97	L6 3.0L		24F	585	2009-08	L4 1.8L	54	47	520
ES330					1996-94	L6 3.0L		27F	450	2007-05	L4 1.8L		26R	550
2006-04	V6 3.3L		24F	585	SC400					Exige				
ES350					2000-94	V8 4.0L		27F	625	2009-08	L4 1.8L	54	48	600
2013-07	V6 3.5L		24F	585	SC430					2007-06	L4 1.8L		26R	550
GS300					2010-03	V8 4.3L		48	585	MASERATI				
2006	V6 3.0L		24	585	2002	V8 4.3L		48	625	Coupe				
2005-98	L6 3.0L		24	585	LINCOLN					2007-03	V8 4.2L	54,66	48	785
1997-94	L6 3.0L		24F	585	Aviator					GranSport				
GS350					2005-03	V8 4.6L		65	650	2007-05	V8 4.2L	54,66	48	785
2013	V6 3.5L		24	585	Blackwood					GranTurismo				
2011-07	V6 3.5L		24	585	2002	V8 5.4L		65	650	2013-09	V8 4.7L	54,66	48	600
GS400					Continental					2011-08	V8 4.2L	54,66	48	600
2000-98	V8 4.0L		24	585	2002-97	V8 4.6L		65	750	Quattroporte				
GS430					1996-95	V8 4.6L		65	850	2013-09	V8 4.7L	54,66	49	850
2007-01	V8 4.3L		24	585	1994	V6 3.8L		65	650	2011-08	V8 4.2L	54,66	48	600
GS450h					1994	V6 3.8L Optional		65	850	2007-04	V8 4.2L	54,66	48	785
2013	V6 3.5L Hybrid	45,54,60,69	S65D26L	360	LS					Spyder				
2011-07	V6 3.5L Hybrid	45,54,60,69	S65D26L	360	2006-00	V8 3.9L	54	66	650	2006-02	V8 4.2L	54,66	48	785
GS460					2005-01	V6 3.0L Optional	54	66	750	MAYBACH				
2011-08	V8 4.6L		24	585	2005-01	V8 3.9L Optional	54	66	750	57				
GX460					2005-00	V6 3.0L	54	66	650	2012-06	V12 6.0L	47,54,66	49	850
2013-10	V8 4.6L		24F	585	Mark LT					2012-06	V12 6.0L Optional	47,54,66	49	950
GX470					2008-06	V8 5.4L		59	540	2012-03	V12 5.5L	47,54,66	49	850
2009-03	V8 4.7L		27F	710	2008-06	V8 5.4L Optional		65	650	2012-03	V12 5.5L Optional	47,54,66	49	950
HS250h					Mark VIII					62				
2012-10	L4 2.4L Hybrid	45,54,60,67,69	S55D23R	360	1998-97	V8 4.6L Optional		65	750	2012-07	V12 6.0L	47,54,66	49	850
IS F					1998-94	V8 4.6L U.S.		65	650	2012-07	V12 6.0L Optional	47,54,66	49	950
2013-08	V8 5.0L		24	585	1996-94	V8 4.6L Canada & Optional		65	850	2012-03	V12 5.5L	47,54,66	49	850
IS250					MKS					2012-03	V12 5.5L Optional	47,54,66	49	950
2013-06	V6 2.5L		24	585	2013-10	V6 3.5L		65	650	57				
IS300					2013-09	V6 3.7L		65	650	2012-06	V12 6.0L	47,54,66	49	850
2005-01	L6 3.0L		24	585	MKT					2012-06	V12 6.0L Optional	47,54,66	49	950
IS350					2013	V6 3.5L		65	750	2012-03	V12 5.5L	47,54,66	49	850
2013-06	V6 3.5L		24	585	2013	V6 3.7L		65	750	2012-07	V12 6.0L	47,54,66	49	850
LFA					2012-10	V6 3.5L		65	650	2012-07	V12 6.0L Optional	47,54,66	49	950
2013-12	V10 4.8L	45,54,60,67,69	S75D31R	450	2012-10	V6 3.5L Optional		65	750	2012-03	V12 5.5L	47,54,66	49	850
LS400					2012-10	V6 3.7L		65	650	2012-03	V12 5.5L Optional	47,54,66	49	950
2000-95	V8 4.0L		24F	585	2012-10	V6 3.7L Optional		65	750					

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MAZDA					MAZDA (Cont.)					MAZDA (Cont.)				
2					B3000					RX-7				
2013-11	L4 1.5L		21R	350	2008-98	V6 3.0L		59	540	1995-94	R2 1.3L AT & Canada		24F	490
2013-11	L4 1.5L Canada & Cold Climate		35	525	1997-94	V6 3.0L		58	540	1995-94	R2 1.3L MT		35	420
3					B4000					RX-8				
2013-12	L4 2.0L SKYACTIV		35	525	2010-98	V6 4.0L		59	540	2011	R2 1.3L Canada		35	525
2013-11	L4 2.0L		21R	350	1997-94	V6 4.0L		65	650	2011	R2 1.3L U.S.		24F	585
2013-11	L4 2.0L Canada & Cold Climate		35	525	CX-5					2010	R2 1.3L		35	550
2013-11	L4 2.3L		35	525	2013	L4 2.0L	45	55D23L	0	2009-04	R2 1.3L	9	35	640
2013-11	L4 2.5L		21R	350	CX-7					Tribute				
2013-11	L4 2.5L Canada & Cold Climate		35	525	2012-11	L4 2.3L Canada		24F	585	2011	L4 2.5L		96R	590
2010-08	L4 2.0L AT		35	355	2012-11	L4 2.3L U.S.		35	525	2011	V6 3.0L		96R	590
2010-08	L4 2.0L MT		26R	310	2012-10	L4 2.5L		35	550	2010-09	L4 2.5L Hybrid		96R	500
2010-08	L4 2.3L AT		35	355	2010	L4 2.3L		35	550	2010	L4 2.5L Gas		40R	650
2010-08	L4 2.3L MT		26R	310	2009-07	L4 2.3L		35	360	2010	V6 3.0L		40R	650
2010	L4 2.5L AT		35	355	CX-9					2009-08	V6 3.0L		40R	590
2010	L4 2.5L MT		26R	310	2013-08	V6 3.7L		24F	585	2009	L4 2.5L Gas		40R	590
2007	L4 2.0L		35	355	2007	V6 3.5L		24F	585	2008	L4 2.3L Gas		40R	590
2007	L4 2.0L Cold Climate		35	490	Miata					2008	L4 2.3L Hybrid		96R	500
2007	L4 2.3L		35	355	2005-99	L4 1.8L	45,47,54	46A24L	320	2006-05	L4 2.3L		40R	590
2007	L4 2.3L Cold Climate		35	490	1997-94	L4 1.8L	45,47,54	46A24L	320	2006-01	V6 3.0L		40R	590
2006-04	L4 2.3L		35	550	Millenia					2004-01	L4 2.0L		96R	500
2006	L4 2.0L		35	550	2002-95	V6 2.3L Optional		24F	585	MERCEDES-BENZ				
2005-04	L4 2.0L Optional		35	520	2002-01	V6 2.3L		35	520	B200				
2005	L4 2.0L		21R	350	2002-01	V6 2.5L Optional		24F	490	2011-06	L4 2.0L	54,66	48	680
2004	L4 2.0L		21R	310	2002	V6 2.5L		35	520	C220				
3 Sport					2001	V6 2.5L		35	360	1996-94	L4 2.2L	54	49	825
2013-12	L4 2.0L		21R	350	2000-95	V6 2.3L		35	490	C230				
2013-12	L4 2.0L Canada & Cold Climate		35	525	2000-95	V6 2.5L		35	350	2009-08	V6 2.5L	54,66	49	760
2013-12	L4 2.5L		21R	350	2000-95	V6 2.5L Optional		35	490	2007-06	V6 2.5L	54	49	760
2013-12	L4 2.5L Canada & Cold Climate		35	525	MPV					2005-03	L4 1.8L	54	49	825
323					2006-02	V6 3.0L		35	360	2002	L4 2.3L	54	49	825
1995-94	L4 1.6L		35	350	2006-02	V6 3.0L Optional		24F	490	2000-97	L4 2.3L	54	49	825
1994	L4 1.8L		35	350	2001-00	V6 2.5L		35	360	C240				
5					2001-00	V6 2.5L Optional		24F	490	2005-04	V6 2.6L	54	49	825
2013-12	L4 2.5L AT		35	550	1998-96	V6 3.0L Canada & Optional		24F	490	2003	V6 2.6L	54	49	850
2013-12	L4 2.5L MT		26R	540	1998-96	V6 3.0L U.S.		35	350	2002-01	V6 2.6L	54	49	825
2010	L4 2.3L AT		35	550	1995-94	V6 3.0L 2WD		21R	310	C250				
2010	L4 2.3L MT		26R	540	1995-94	V6 3.0L 4WD		24F	490	2013-12	L4 1.8L	47,66	48	760
2009	L4 2.3L AT		35	355	1995-94	V6 3.0L Optional		24F	585	2012-10	V6 2.5L	66	94R	700
2009	L4 2.3L MT		26R	310	1994	L4 2.6L 2WD		21R	310	2012-10	V6 2.5L Optional	47,66	48	760
2008-06	L4 2.3L		35	550	1994	L4 2.6L 4WD		24F	490	C280				
6					1994	L4 2.6L Optional		24F	585	2007-06	V6 3.0L	54	49	760
2013-09	L4 2.5L		96R	590	MX-3					2000-98	V6 2.8L	54	49	825
2013-09	V6 3.7L		96R	590	1996-95	L4 1.6L		21R	310	1997-94	L6 2.8L	54	49	825
2008	L4 2.3L		40R	590	1995	L4 1.6L Optional		35	350	C300				
2008	V6 3.0L		40R	590	1995	V6 1.8L		35	350	2013	V6 3.5L	54,66	94R	700
2007-06	L4 2.3L ex. Mazdaspeed		40R	585	1994	L4 1.6L AT & Optional		35	350	2012-08	V6 3.0L	54,66	94R	700
2007-06	L4 2.3L Mazdaspeed		40R	585	1994	L4 1.6L MT		21R	310	C32 AMG				
2007	V6 3.0L		40R	585	1994	V6 1.8L California		21R	310	2004-03	V6 3.2L	54	49	825
2006-03	V6 3.0L		40R	590	1994	V6 1.8L ex. California		35	420	2002	V6 3.2L	54	49	850
2005-03	L4 2.3L		40R	590	MX-5 Miata					C320				
626					2013-06	L4 2.0L		51R	410	2005-04	V6 3.2L	54	49	825
2002-98	L4 2.0L		36R	580	MX-6					2003	V6 3.2L	54	49	850
2002-98	V6 2.5L		36R	580	1997-94	L4 2.0L		58R	580	2002-01	V6 3.2L	54	49	825
1997-94	L4 2.0L		58R	580	1997-94	V6 2.5L		58R	580	C350				
1997-94	V6 2.5L		58R	580	Navajo					2013-08	V6 3.5L	54,66	94R	700
929					1994	V6 4.0L		65	650	2007-06	V6 3.5L	54,66	49	760
1995-94	V6 3.0L Canada & Optional		24F	585	Protege					C36 AMG				
1995-94	V6 3.0L Serenia, U.S.		35	350	2003-01	L4 1.6L		21R	310	1997-95	L6 3.6L	54	49	825
B2300					2003-01	L4 1.6L Optional		35	520	C43 AMG				
2010-01	L4 2.3L		59	540	2003-01	L4 2.0L		21R	310	2000-98	V8 4.3L	54	49	825
1997-94	L4 2.3L Optional		65	540	2003-01	L4 2.0L Optional		35	520	C55 AMG				
1997	L4 2.3L		59	540	2000-99	L4 1.6L Optional		35	350	2006	V8 5.5L	54	49	760
1996-94	L4 2.3L		58	540	2000-99	L4 1.8L		35	350	2005	V8 5.5L	54	49	825
B2500					1999	L4 1.6L		21R	310	C63 AMG				
2001-98	L4 2.5L		59	540	1998-95	L4 1.5L		21R	310	2013-08	V8 6.3L	47,54,66	49	850
					1998-95	L4 1.5L Optional		35	350	CL500				
					1998-95	L4 1.8L		21R	310	2006	V8 5.0L	47	49	850
					1994	L4 1.8L		35	350	2005-98	V8 5.0L	54	49	825
					Protege5					CL55 AMG				
					2003-02	L4 2.0L		21R	310	2006	V8 5.5L	47	49	850
					2003-02	L4 2.0L Optional		35	520	2005-04	V8 5.5L	54	49	825

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MERCEDES-BENZ (Cont.)					MERCEDES-BENZ (Cont.)					MERCEDES-BENZ (Cont.)				
CL55 AMG (Cont.)					E430 (Cont.)					R350				
2003	V8 5.5L	54	49	850	2001	V8 4.3L Wagon	54	49	825	2013-12	V6 3.5L	47,54,66	48	760
2002-01	V8 5.5L	54	49	825	2000-98	V8 4.3L	54	49	825	2013-12	V6 3.5L Optional	47,54,66	49	850
CL550					E500					2013-10	V6 3.0L Diesel	47,54,66	49	850
2013-11	V8 4.6L	47,54,66	49	850	2006	V8 5.0L	47,54	49	850	2011-08	V6 3.5L	47,54,66	49	850
2010-07	V8 5.5L	47,54,66	49	850	2005-03	V8 5.0L	54	49	825	2007-06	V6 3.5L	47,54,66	49	950
CL600					1994	V8 5.0L	54	49	825	R500				
2013-03	V12 5.5L	47,54,66	49	850	E55 AMG					2007-06	V8 5.0L	47,54,66	49	950
2002-01	V12 5.8L	54	49	825	2006	V8 5.5L	47,54	49	850	R63 AMG				
1999-98	V12 6.0L	54,66	49	760	2005-04	V8 5.5L	54	49	825	2007	V8 6.3L	47,54,66	49	850
CL63 AMG					2003	V8 5.5L	54	49	850	S320				
2013-11	V8 5.5L	47,54,66	49	850	2002-99	V8 5.5L	54	49	825	1999-94	L6 3.2L	47,54	49	825
2010-08	V8 6.3L	47,54,66	49	850	E550					S350				
CL65 AMG					2013-12	V8 4.6L	54,66	49	850	2013-12	V6 3.0L Diesel	47,54,66	49	850
2013-08	V12 6.0L	47,54,66	49	850	2011-07	V8 5.5L	54,66	49	850	2006	V6 3.7L	47,54,66	49	850
2006-05	V12 6.0L	47,54,66	49	850	E63 AMG					1995-94	L6 3.4L Diesel	47,54,66	49	760
CLK320					2013-12	V8 5.5L	47,54,66	48	760	S400				
2005-98	V6 3.2L	54	49	825	2011-10	V8 6.3L	47,54,66	48	760	2013-10	V6 3.5L Hybrid	54,66,69	48	760
CLK350					2009-07	V8 6.3L	47,54,66	49	850	S420				
2009-06	V6 3.5L	54	49	760	G500					1999-94	V8 4.2L	47,54	49	825
CLK430					2008-07	V8 5.0L	54	49	850	S430				
2003-99	V8 4.3L	54	49	825	2006-02	V8 5.0L	54	49	825	2006	V8 4.3L	47,54	49	850
CLK500					G55 AMG					2005-00	V8 4.3L	47,54	49	825
2006	V8 5.0L	54	49	760	2011-07	V8 5.5L	54,66	49	850	S450				
2005-03	V8 5.0L	54	49	825	2006-03	V8 5.5L	54	49	825	2011-08	V8 4.6L	47,54,66	49	850
CLK55 AMG					2003	V8 5.5L Optional	47,54	49	850	S500				
2006	V8 5.5L	54	49	760	G550					2006-02	V8 5.0L	47,54,66	49	850
2005-01	V8 5.5L	54	49	825	2013-09	V8 5.5L	47,54,66	49	850	2001-94	V8 5.0L	47,54,66	49	760
CLK550					G63 AMG					S55 AMG				
2009-07	V8 5.5L	54	49	760	2013	V8 5.5L	47,54,66	49	850	2006	V8 5.5L	47,54	49	850
CLK63 AMG					GL320					2005-04	V8 5.5L	47,54	49	825
2009-07	V8 6.3L	54	49	760	2009-07	V6 3.0L Diesel	54,66	49	850	2003	V8 5.5L	54	49	850
2008	V8 6.3L Optional	47	48	760	GL350					2002-01	V8 5.5L	47,54	49	825
CLS500					2013-10	V6 3.0L Diesel	47,54,66	49	850	S550				
2006	V8 5.0L	47	49	850	GL450					2013-12	V8 4.6L	47,54,66	49	850
CLS55 AMG					2013-07	V8 4.6L	47,54,66	49	850	2011-07	V8 5.5L	47,54,66	49	850
2006	V8 5.5L	47	49	850	GL550					S600				
CLS550					2013-08	V8 5.5L	47,54,66	49	850	2013-03	V12 5.5L	47,54,66	49	850
2013-12	V8 4.6L	47,54,66	49	850	2013	V8 4.6L	47,54,66	49	850	2002-01	V12 5.8L	54	49	825
2011-07	V8 5.5L	47,54,66	49	850	GL63 AMG					1999-94	V12 6.0L	47,54	49	825
CLS63 AMG					2013	V8 5.5L	47,54,66	49	850	S63 AMG				
2013-12	V8 5.5L	47,54,66	49	850	GLK350					2013-11	V8 5.5L	47,54,66	49	850
2011-07	V8 6.3L	47,54,66	49	850	2013-10	V6 3.5L	47,54,66	48	760	2010-08	V8 6.3L	47,54,66	49	850
E280					ML320					S65 AMG				
2007	V6 3.0L	54,66	49	850	2009	V6 3.0L Diesel	54	49	760	2013-06	V12 6.0L	47,54,66	49	850
E300					2008-07	V6 3.0L Diesel	54	49	850	SL320				
2009-08	V6 3.0L	54,66	49	850	2003-98	V6 3.2L		49	825	1997-94	L6 3.2L		49	825
1999-95	L6 3.0L Diesel	54	49	825	ML350					SL500				
E320					2013-10	V6 3.0L Diesel	47,54,66	49	850	2006-03	V8 5.0L	47,54,66	48	760
2009	V6 3.0L Diesel	54	49	760	2013-08	V6 3.5L	47,54,66	49	850	2002-94	V8 5.0L	54	49	825
2008-07	V6 3.0L Diesel	54	49	850	2007-06	V6 3.5L	47,54,66	49	950	SL55 AMG				
2006	L6 3.2L Diesel	47,54	49	850	2005-04	V6 3.7L	54,66	49	760	2008-03	V8 5.5L	47,54,66	48	760
2005-02	V6 3.2L	54	49	825	2003	V6 3.7L		49	825	SL550				
2005	L6 3.2L	54	49	825	ML430					2013	V8 4.6L	47,54,66	49	850
2001	V6 3.2L Sedan	54	49	825	2001-99	V8 4.3L		49	825	2012-07	V8 5.5L On-Board Electrical System Battery	47,54,66	48	760
2001	V6 3.2L Wagon	54	49	825	ML450					2012-07	V8 5.5L Starting Motor Battery	69	N/A	520
2000-99	V6 3.2L	54	49	825	2011-10	V6 3.5L Hybrid	54,66	49	850	SL600				
1998	V6 3.2L		48	690	ML500					2011-04	V12 5.5L	47,54,66	48	760
1997-96	L6 3.2L		48	690	2007	V8 5.0L	54	49	950	2002-94	V12 6.0L	54	49	825
1995	L6 3.2L		48	660	2006	V8 5.0L	47,54	49	950	SL63 AMG				
1994	L6 3.2L ex. Cabriolet		48	660	2005-02	V8 5.0L		49	825	2013	V8 5.5L	47,54,66	48	760
E350					ML55 AMG					2012-09	V8 6.3L	47,54,66	48	760
2013-11	V6 3.0L Diesel	47,54,66	48	760	2003-00	V8 5.5L		49	825	SL65 AMG				
2013-10	V6 3.5L	47,54,66	48	760	ML550					2013	V8 5.5L	47,54,66	48	760
2009-06	V6 3.5L	47,54,66	49	850	2013-12	V8 4.6L	54,66	49	850	2012-09	V8 6.3L	47,54,66	48	760
E420					2011-08	V8 5.5L	54,66	49	850	SL65 AMG				
1997	V8 4.2L		48	690	ML63 AMG					2013	V12 6.0L	47,54,66	48	760
1995-94	V8 4.2L	54	49	825	2013-12	V8 5.5L	54,66	49	850	2011-05	V12 6.0L	47,54,66	48	760
E430					2011-07	V8 6.3L	54,66	49	850	SLK230				
2002	V8 4.3L	54	49	825	R320					2004	L4 2.3L	39	48	690
2001	V8 4.3L Sedan	54	49	825	2009-07	V6 3.0L Diesel	47,54,66	49	850	2003-02	L4 2.3L		48	690
										2001-00	L4 2.3L		49	825

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MERCEDES-BENZ (Cont.)					MERCURY (Cont.)					MINI (Cont.)				
SLK230 (Cont.)					Milan (Cont.)					Cooper Countryman				
1999-98	L4 2.3L		48	690	2009	L4 2.3L Gas		96R	500	2013-11	L4 1.6L	45,52,54,66	L1	480
SLK250					2009	L4 2.3L Hybrid		67R	390	2013-11	L4 1.6L Optional	9,54,66	47	480
2013-12	L4 1.8L	47,54,66	48	760	2009	V6 3.0L		96R	590	2013-11	L4 1.6L Optional	54,66	48	570
SLK280					2008	L4 2.3L		96R	500	MITSUBISHI				
2008-07	V6 3.0L	54,66	48	680	2008	V6 3.0L		96R	500	3000GT				
2006	V6 3.0L	47,54	98R	760	2007-06	L4 2.3L		40R	590	1999-96	V6 3.0L		25	520
SLK300					2007-06	V6 3.0L		40R	590	1995-94	V6 3.0L		24	430
2011-09	V6 3.0L	54,66	48	680	Montego					Diamante				
SLK32 AMG					2007	V6 3.0L		36R	540	2004	V6 3.5L		24	600
2004-03	V6 3.2L	54	48	690	2006-05	V6 3.0L		36R	600	2003-99	V6 3.5L		86	520
2002	V6 3.2L		48	690	Monterey					1998-97	V6 3.5L		24	490
SLK320					2007	V6 4.2L		65	750	1996-94	V6 3.0L		24	490
2004-02	V6 3.2L	54	48	690	2006-04	V6 4.2L		59	540	Eclipse				
2001	V6 3.2L	54	49	825	2006-04	V6 4.2L Optional		65	750	2012-06	V6 3.8L		24	550
SLK350					Mountaineer					2012-00	L4 2.4L		86	525
2013-07	V6 3.5L	54,66	48	680	2010-98	V6 4.0L		65	650	2005-00	V6 3.0L		86	525
2006	V6 3.5L	47,54	98R	760	2010-02	V8 4.6L		65	650	1999-96	L4 2.4L		86	430
2005	V6 3.5L	54	49	825	2001-97	V8 5.0L		65	650	1999	L4 2.0L		86	525
SLK55 AMG					Mystique					1998-95	L4 2.0L AT		86	525
2013-07	V8 5.5L	54,66	48	680	2000-98	L4 2.0L		40R	590	1998-95	L4 2.0L MT ex. Turbo		86	430
2006	V8 5.5L	47,54	98R	760	2000-98	V6 2.5L		40R	590	1998-95	L4 2.0L Turbo		86	525
2005	V8 5.5L		49	825	1997-95	L4 2.0L Optional		40R	650	1994	L4 1.8L		86	430
SLR McLaren					1997-95	V6 2.5L		40R	650	1994	L4 2.0L		86	430
2009-06	V8 5.5L	47,54	98R	760	Sable					Endeavor				
2005	V8 5.5L		49	825	2009-08	V6 3.5L		59	540	2011-10	V6 3.8L		24	550
SLS AMG					2005	V6 3.0L DOHC, Opt. & Canada		36R	600	2008-04	V6 3.8L		24	550
2013-11	V8 6.3L	47,54,66	48	760	2005	V6 3.0L OHV		36R	600	Expo				
Sprinter 2500					2004	V6 3.0L U.S.		36R	540	1995-94	L4 2.4L		24	490
2013-10	V6 3.0L Diesel	54	49	850	2004	V6 3.0L U.S. Opt. or Canada		36R	600	Expo LRV				
Sprinter 3500					2003-02	V6 3.0L DOHC, Opt. & Canada		36R	600	1994	L4 1.8L		25	360
2013-10	V6 3.0L Diesel	54	49	850	2003-02	V6 3.0L OHV		36R	600	1994	L4 2.4L		24	490
MERCURY					2001	V6 3.0L U.S.		36R	540	Galant				
Capri					2001	V6 3.0L U.S. Opt. or Canada		36R	600	2012-99	L4 2.4L		86	525
1994	L4 1.6L		35	460	2000-96	V6 3.0L SOHC		58R	540	2009-04	V6 3.8L		24	550
Cougar					2000	V6 3.0L DOHC, Opt. & Canada		36R	600	2003-99	V6 3.0L		86	525
2002-99	L4 2.0L		40R	590	1999-96	V6 3.0L DOHC, Opt. & Canada		36R	650	1998-94	L4 2.4L		26	490
2002-99	V6 2.5L		40R	590	1995-94	V6 3.0L		58	540	Lancer				
1997-94	V6 3.8L Canada & Optional		65	650	1995-94	V6 3.0L Optional		65	650	2013-09	L4 2.4L		35	520
1997-94	V8 4.6L		65	650	1995-94	V6 3.8L ex. HWS or Police		65	650	2013-08	L4 2.0L Evolution	45,54	N/A	700
1997	V6 3.8L U.S.		59	540	1995-94	V6 3.8L HWS or Police		65	850	2013-08	L4 2.0L ex. Evolution		35	520
1996	V6 3.8L U.S., Early		58	540	1995-94	V6 3.8L Police or Optional		65	850	2007	L4 2.0L		35	550
1996	V6 3.8L U.S., Late		59	540	Topaz					2006-04	L4 2.4L		35	520
1995-94	V6 3.8L U.S.		58	540	1994	L4 2.3L		58	540	2002	L4 2.0L		35	435
Grand Marquis					1994	V6 3.0L Optional		58	540	Mighty Max				
2011-09	V8 4.6L Optional		65	750	Tracer					1996-95	L4 2.4L		51	435
2011-07	V8 4.6L		65	650	1999-98	L4 2.0L		58	500	1994	L4 2.4L 2WD & Canada		24	490
2006-98	V8 4.6L U.S.		65	650	1997	L4 2.0L		58	540	1994	L4 2.4L 2WD & U.S.		51	435
2006-97	V8 4.6L Canada or Optional		65	750	1996-95	L4 1.8L		35	540	1994	L4 2.4L 4WD		51	435
1997	V8 4.6L U.S.		59	540	1996-94	L4 1.9L		35	460	1994	V6 3.0L		24	490
1996-95	V8 4.6L Police Package		65	850	1994	L4 1.8L		35	460	Mirage				
1996-94	V8 4.6L U.S. Opt. or Canada		65	750	Villager					2002-98	L4 1.5L		35	435
1996	V8 4.6L U.S., Early		58	540	2002-99	V6 3.3L Canada or Optional		24F	525	2002-98	L4 1.8L		35	435
1996	V8 4.6L U.S., Late		59	540	1998-94	V6 3.0L U.S.		35	450	1997	L4 1.5L		51R	435
1995-94	V8 4.6L U.S.		58	540	1998-94	V6 3.0L Canada or Optional		24F	525	1997	L4 1.8L		51R	435
Marauder					1998-94	V6 3.0L U.S.		35	450	1996-94	L4 1.5L		51	430
2004-03	V8 4.6L		65	650	MINI					1996-94	L4 1.8L		51	430
Mariner					Cooper					Montero				
2011-10	L4 2.5L Gas		96R	500	2013-10	L4 1.6L	45,52,54,66	L1	480	2006-03	V6 3.8L		24F	585
2011-10	V6 3.0L		96R	590	2013-10	L4 1.6L Optional	9,54,66	47	480	2002-01	V6 3.5L		24F	585
2011-09	L4 2.5L Hybrid		96R	500	2013-10	L4 1.6L Optional	54,66	48	570	2002	V6 3.5L Optional		27F	675
2009-05	V6 3.0L		40R	590	MINI					2000-94	V6 3.5L		24	490
2009	L4 2.5L Gas		40R	590	Cooper					1996-94	V6 3.0L		24	490
2008-06	L4 2.3L Gas		40R	590	2013-10	L4 1.6L		47	480	Montero Sport				
2008-06	L4 2.3L Hybrid		96R	500	2013-10	L4 1.6L ex. Turbo or Supercharged		47	480	2004	V6 3.5L		24	585
2005	L4 2.3L		40R	590	2009-02	L4 1.6L Turbo or Supercharged	54	47	480	2003-97	V6 3.0L Optional		24	585
Milan					Cooper					2003	V6 3.5L Optional		25	520
2011-10	L4 2.5L Gas		96R	500	Cooper					2002-97	V6 3.0L		25	520
2011-10	L4 2.5L Hybrid		96R	390	Cooper					2002	V6 3.5L		24	585
2011-10	V6 3.0L		96R	500	Cooper					2001-99	V6 3.5L		25	520

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MITSUBISHI (Cont.)					NISSAN (Cont.)					NISSAN (Cont.)				
Montero Sport (Cont.)					Frontier (Cont.)					Rogue				
2000-99	V6 3.5L Optional		24	585	2002-98	L4 2.4L Canada & Optional		24	550	2013-08	L4 2.5L		35	585
1999-97	L4 2.4L		25	520						Sentra				
1999-97	L4 2.4L Optional		24	585	2002-98	L4 2.4L U.S.		25	490	2013	L4 1.8L		21R	470
Outlander					GT-R					2012-09	L4 2.5L		40R	550
2013-12	V6 3.0L		35	520	2013-09	V6 3.8L		51R	410	2012-07	L4 2.0L		21R	470
2013-08	L4 2.4L		35	520	Juke					2008-06	L4 2.5L		35	550
2011-07	V6 3.0L		24F	585	2013-11	L4 1.6L		35	550	2006	L4 1.8L		35	550
2006	L4 2.4L		35	520	Maxima					2005-03	L4 2.5L		35	355
2006	L4 2.4L Optional		24F	620	2013-09	V6 3.5L		35	550	2005-00	L4 1.8L		35	355
2005-04	L4 2.4L		24F	620	2008-04	V6 3.5L		24F	550	2002	L4 2.5L		21R	490
2003	L4 2.4L		35	520	2003	V6 3.5L		24F	445	2001	L4 2.0L		21R	490
Outlander Sport					2002	V6 3.5L		24F	585	2000-99	L4 2.0L		35	490
2013-11	L4 2.0L		35	520	2001-00	V6 3.0L		24F	585	1999	L4 1.6L		35	490
Precis					1999-95	V6 3.0L Calif. & Canada		24F	585	1998-95	L4 1.6L Canada & L4 1.6L U.S.		24F	550
1994	L4 1.5L		25	420	1999-95	V6 3.0L U.S. ex. California		35	360	1998	L4 2.0L Canada		24F	550
Raider					1999-94	V6 3.0L Optional		24F	585	1998	L4 2.0L U.S.		35	490
2009-06	V6 3.7L		65	600	1994	V6 3.0L Canada		24F	585	1994	L4 1.6L Canada		24F	415
2007-06	V8 4.7L		65	600	1994	V6 3.0L Canada & Optional		27F	625	1994	L4 1.6L U.S.		35	350
2006	V6 3.7L Optional		65	650	1994	V6 3.0L U.S.		35	350	1994	L4 2.0L Canada & Optional		24F	585
2006	V8 4.7L Optional		65	650	Murano					1994	L4 2.0L U.S.		35	350
RVR					2013-09	V6 3.5L		35	585	Titan				
2013-11	L4 2.0L		35	520	2007-04	V6 3.5L w/Intelligent Key		24F	700	2013-10	V8 5.6L ex. Tow Pkg		24F	650
NISSAN					2007-04	V6 3.5L w/o Intelligent Key		24F	575	2013-10	V8 5.6L w/Tow Pkg		27F	710
200SX					2003	V6 3.5L		35	490	2009	V8 5.6L		24F	650
1998-95	L4 1.6L Canada		24F	550	NV1500					2008	V8 5.6L Flex Fuel		27F	710
1998-95	L4 1.6L U.S.		35	490	2013-12	V6 4.0L		24F	650	2008	V8 5.6L Gas		24F	650
1998-95	L4 2.0L Canada		24F	550	NV200					2007	V8 5.6L		24F	650
1998-95	L4 2.0L U.S.		35	490	2013	L4 2.0L		24F	650	2006	V8 5.6L ex. Tow Pkg		24F	650
1995	L4 2.0L Optional		24F	550	NV2500					2006	V8 5.6L w/ Tow Package or Optional		27F	710
240SX					2013-12	V6 4.0L ex. Tow Pkg		24F	650	2005-04	V8 5.6L		24F	650
1998-94	L4 2.4L Canada & Optional		24	415	2013-12	V6 4.0L w/Tow Pkg		27F	710	Versa				
1998-94	L4 2.4L U.S.		25	360	2013-12	V8 5.6L ex. Tow Pkg		24F	650	2013-09	L4 1.6L CVT-Transmission		51R	410
300ZX					2013-12	V8 5.6L w/Tow Pkg		27F	710	2013-09	L4 1.6L ex. CVT-Transmission		90	470
1996-94	V6 3.0L Conv.		35	550	NV3500					2012-07	L4 1.8L CVT-Transmission		51R	410
1996-94	V6 3.0L ex. Conv.		24F	575	2013-12	V6 4.0L ex. Tow Pkg		24F	650	2012-07	L4 1.8L ex. CVT-Transmission		90	470
350Z					2013-12	V6 4.0L w/Tow Pkg		27F	710	Xterra				
2009-03	V6 3.5L		35	585	2013-12	V8 5.6L ex. Tow Pkg		24F	650	2013-10	V6 4.0L		35	550
370Z					2013-12	V8 5.6L w/Tow Pkg		27F	710	2009-05	V6 4.0L		24F	550
2013-09	V6 3.7L		35	585	Pathfinder					2004	L4 2.4L		25	490
Altima					2012-10	V6 4.0L		35	550	2004	L4 2.4L Optional		24	550
2013-12	L4 2.5L		35	550	2012-08	V8 5.6L		24F	650	2004	V6 3.3L		25	490
2013-07	V6 3.5L		35	550	2009-07	V6 4.0L		24F	550	2004	V6 3.3L Optional		24	550
2011-07	L4 2.5L Gas		34	700	2006-05	V6 4.0L		24F	700	2003-00	L4 2.4L U.S.		25	490
2011-07	L4 2.5L Hybrid	54	34	700	2004-03	V6 3.5L		24	455	2003-00	V6 3.3L U.S.		25	490
2006-02	L4 2.5L		24F	550	2004	V8 5.6L		24F	700	2003	L4 2.4L Canada & Optional		24	550
2006-02	V6 3.5L		24F	550	2004	V8 5.6L Optional		27F	710	2003	V6 3.3L Canada & Optional		24	550
2001-96	L4 2.4L		24F	550	2002-01	V6 3.5L		25	360	2001-00	L4 2.4L Canada & Optional		24	550
1995-94	L4 2.4L Canada & Optional		24F	585	2000-96	V6 3.3L Canada & Optional		27	450	2001-00	V6 3.3L Canada & Optional		24	550
1995-94	L4 2.4L U.S.		35	350	2000-96	V6 3.3L U.S.		25	360	X-Trail				
Armada					1995-94	V6 3.0L Canada		27	450	2006	L4 2.5L		24F	550
2013-05	V8 5.6L ex. Tow Pkg		24F	650	1995-94	V6 3.0L U.S.		25	360	2005	L4 2.5L		35	550
2013-05	V8 5.6L w/Tow Pkg		27F	710	Pickup					OLDSMOBILE				
Cube					1997-95	L4 2.4L Canada		24	525	88				
2013-09	L4 1.8L		35	410	1997-95	L4 2.4L U.S.		25	360	1999	V6 3.8L		78	690
D21					1996-95	V6 3.0L Canada		24	525	1998	V6 3.8L ex. Supercharged		78	690
1994	L4 2.4L		24	530	1996-95	V6 3.0L U.S.		25	360	1998	V6 3.8L Supercharged		78	770
1994	V6 3.0L		24	530	Quest					1997-96	V6 3.8L		78	690
Frontier					2013-11	V6 3.5L		24F	550	1997-96	V6 3.8L Optional		78	770
2013-11	L4 2.5L		35	550	2009-04	V6 3.5L		24F	550	1995	V6 3.8L ex. HWS		78	690
2010	L4 2.5L		24F	575	2002-99	V6 3.3L Canada & Optional		24F	525	1995	V6 3.8L HWS		78	770
2010	V6 4.0L		24F	575	2002-99	V6 3.3L U.S.		35	450	1994	V6 3.8L		75	630
2009-05	L4 2.5L		24F	550	1998-96	V6 3.0L Canada		24F	525	1994	V6 3.8L Optional		78	770
2009-05	V6 4.0L		24F	550	1998-94	V6 3.0L U.S.		35	450					
2004-03	L4 2.4L		25	490	1995-94	V6 3.0L Canada & Optional		24F	525					
2004-03	L4 2.4L Optional		24	575										
2004-03	V6 3.3L		24	575										
2002-99	V6 3.3L Canada & Optional		24	550										
2002-99	V6 3.3L U.S.		25	490										

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OLDSMOBILE (Cont.)					PLYMOUTH (Cont.)					PONTIAC (Cont.)				
Achieva					Colt (Cont.)					G5				
1998-96	L4 2.4L		75	600	1994	L4 1.5L Canada		24	580	2010-09	L4 2.2L	54	90	590
1998-94	V6 3.1L		75	600	1994	L4 1.5L U.S.		51	435	2008-07	L4 2.2L	54	90	600
1995-94	L4 2.3L		75	600	1994	L4 1.8L Canada		24	580	2008-07	L4 2.4L		90	600
Alero					1994	L4 1.8L U.S.		25	435	G6				
2004-99	V6 3.4L		75	600	1994	L4 2.4L Canada		24	580	2010-08	L4 2.4L		90	590
2004	L4 2.2L		75	525	1994	L4 2.4L U.S.		24	490	2010-08	V6 3.5L		90	590
2003-02	L4 2.2L		75	600	Grand Voyager					2009-08	V6 3.6L		90	590
2001-99	L4 2.4L		75	600	2000-94	V6 3.0L		34	500	2009-08	V6 3.9L		90	590
Aurora					2000-94	V6 3.3L		34	500	2007-06	L4 2.4L		75	525
2003-01	V8 4.0L	54	100	770	1999-94	V6 3.0L Optional		34	685	2007-06	V6 3.9L		75	525
2002-01	V6 3.5L	54	100	770	1999-94	V6 3.3L Optional		34	685	2007-05	V6 3.5L		75	525
1999-98	V8 4.0L	54	79	840	1999-94	V6 3.8L		34	600	2007	V6 3.6L		75	525
1997-95	V8 4.0L	54	76	970	1999-94	V6 3.8L Optional		34	685	G8				
Bravada					1997-96	L4 2.4L		34	600	2009	V6 3.6L	54	94R	720
2004-02	L6 4.2L		78	600	1997-96	L4 2.4L Optional		34	685	2009	V8 6.0L	54	94R	720
2001-96	V6 4.3L		75	525	Laser					2009	V8 6.2L	54	94R	720
2001-96	V6 4.3L Optional		75	690	1994	L4 1.8L		86	430	2008	V6 3.6L	54	94R	700
1994	V6 4.3L		75	525	1994	L4 2.0L Canada		86	525	2008	V8 6.0L	54	94R	700
1994	V6 4.3L Optional		78	600	1994	L4 2.0L U.S.		86	430	Grand Am				
Cutlass					Neon					2005-99	V6 3.4L		75	600
1999-98	V6 3.1L		75	600	2001-00	L4 2.0L		26R	450	2005	L4 2.2L		75	600
1997	V6 3.1L		78	600	2001-00	L4 2.0L Optional		26R	540	2004	L4 2.2L		75	525
Cutlass Ciera					1999-95	L4 2.0L	35	58	450	2003-02	L4 2.2L		75	600
1996-94	L4 2.2L		75	525	Prowler					2001-96	L4 2.4L		75	600
1996	V6 3.1L		78	600	2001-99	V6 3.5L		34	525	1998-94	V6 3.1L		75	600
1995	V6 3.1L Early		75	525	1997	V6 3.5L		34	525	1995-94	L4 2.3L		75	600
1995	V6 3.1L Late		78	600	Sundance					Grand Prix				
1994	V6 3.1L		75	525	1994	L4 2.2L		34	500	2008-06	V6 3.8L	47	34	690
Cutlass Cruiser					1994	L4 2.5L		34	600	2008	V8 5.3L		85	590
1994	V6 3.1L		75	630	1994	V6 3.0L		34	500	2007-05	V8 5.3L		85	625
Cutlass Supreme					Voyager					2005-04	V6 3.8L	47	34	680
1997-96	V6 3.1L		78	600	2000-96	L4 2.4L		34	600	2003-97	V6 3.8L ex. Supercharged		78	690
1996	V6 3.4L		78	690	2000-94	V6 3.0L		34	500	2003-97	V6 3.8L Supercharged		78	770
1995	V6 3.1L Early		75	525	2000-94	V6 3.3L		34	500	2003-96	V6 3.1L		78	600
1995	V6 3.1L Late		78	600	1999-98	V6 3.8L Optional		34	685	1996	V6 3.4L		78	690
1995	V6 3.4L Early		75	690	1999-97	V6 3.8L		34	600	1995	V6 3.1L Early		75	525
1995	V6 3.4L Late		78	690	1999-96	L4 2.4L Optional		34	685	1995	V6 3.1L Late		78	600
1994	V6 3.1L		75	525	1999-94	V6 3.0L Optional		34	685	1995	V6 3.4L Early		75	690
1994	V6 3.4L		75	690	1999-94	V6 3.3L Optional		34	685	1995	V6 3.4L Late		78	690
Intrigue					1995-94	L4 2.5L		34	600	1994	V6 3.1L		75	525
2002-99	V6 3.5L		78	690	1995-94	L4 2.5L Optional		34	685	1994	V6 3.4L		75	690
1999-98	V6 3.8L		78	690	PONTIAC					GTO				
LSS					Aztek					2006-05	V8 6.0L		85	600
1999-96	V6 3.8L		78	690	2005-01	V6 3.4L		78	600	2004	V8 5.7L		85	600
Ninety-Eight					Bonneville					Montana				
1996-94	V6 3.8L HWS or Optional		78	770	2005-04	V6 3.8L	54	100	770	2009-06	V6 3.9L		34	600
1994	V6 3.8L ex. HWS		78	600	2005-04	V8 4.6L	54	100	770	2006-05	V6 3.5L		34	600
Regency					2003-02	V6 3.8L ex. Supercharged	54	100	770	2005-99	V6 3.4L		78	600
1998	V6 3.8L		78	690	2003-02	V6 3.8L Supercharged	54	79	800	Pursuit				
1997	V6 3.8L HWS or Optional		78	770	2001-00	V6 3.8L ex. Supercharged	54	79	840	2006-05	L4 2.2L		90	600
Silhouette					2001-00	V6 3.8L Supercharged	54	79	840	2006	L4 2.4L		90	600
2004-97	V6 3.4L		78	600	1999-98	V6 3.8L ex. Supercharged	78	79	690	Solstice				
1996	V6 3.4L		75	525	1999-98	V6 3.8L Supercharged	78	79	690	2009-08	L4 2.0L		86	590
1995-94	V6 3.8L		75	630	1999-98	V6 3.8L Supercharged	78	79	690	2009-08	L4 2.4L		86	590
1994	V6 3.1L		75	525	1997-95	V6 3.8L		78	770	2007	L4 2.0L		86	640
PANOSZ					1997-95	V6 3.8L		78	690	2007	L4 2.4L		86	640
AIV Roadster					1997-94	V6 3.8L Optional		78	770	2006	L4 2.4L		86	590
2000-99	V8 4.6L		58R	580	1994	V6 3.8L		75	630	Sunbird				
Esperante					Firebird					1994	L4 2.0L		75	630
2007-01	V8 4.6L		58R	580	2002-95	V6 3.8L		75	690	1994	V6 3.1L		75	525
PLYMOUTH					2002-94	V8 5.7L		75	525	Sunfire				
Acclaim					1995-94	V6 3.4L		75	525	2005-95	L4 2.2L		75	525
1995-94	L4 2.5L		34	600	Firefly					2002	L4 2.4L		75	525
1995-94	V6 3.0L		34	500	2000-95	L3 1.0L		26R	390	2001-96	L4 2.4L		75	600
Breeze					2000-94	L4 1.3L		26R	390	1995	L4 2.3L		75	600
2000-97	L4 2.4L		75	510	1994	L3 1.0L		26	390	Sunrunner				
2000-96	L4 2.0L		75	510	G3					1997-95	L4 1.6L		26R	390
1996	L4 2.4L		75	575	2010-09	L4 1.6L		86	590	1994	L4 1.6L		26	500
Colt					G3 Wave					Torrent				
1995	L4 1.5L		51	435	2009	L4 1.6L		86	550	2009-08	V6 3.6L		47	650
										2009-07	V6 3.4L		47	650
										2006	V6 3.4L		75	600

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PONTIAC (Cont.)					RAM (Cont.)					SATURN (Cont.)				
Trans Sport					5500					Aura (Cont.)				
1999-97	V6 3.4L		78	600	2013-11	L6 6.7L Diesel	2	94R	730	2007	V6 3.6L		75	690
1996	V6 3.4L		75	525	C/V					Ion				
1995-94	V6 3.1L		75	525	2013-12	V6 3.6L		94R	730	2007-04	L4 2.0L	54	78	600
1995-94	V6 3.8L		75	630	Dakota					Ion-1				
Vibe					2011	V6 3.7L		65	600	2005-03	L4 2.2L	54	75	600
2010-09	L4 2.4L		24F	575	2011	V6 3.7L Optional		65	750	Ion-2				
2010-03	L4 1.8L		35	550	2011	V8 4.7L		65	600	2007	L4 2.2L	54	78	600
Wave					2011	V8 4.7L Optional		65	750	2006	L4 2.2L From June	54	78	600
2008-05	L4 1.6L		86	550	ROLLS ROYCE					2006	L4 2.2L To June	54	75	600
Wave5					Ghost					2005-03	L4 2.2L	54	75	600
2007-05	L4 1.6L		86	590	2013-11	V12 6.6L	54,66,69	49	900	Ion-3				
PORSCHE					Phantom					2007	L4 2.2L	54	78	600
911					2012-04	V12 6.7L	54,66,69	48	760	2007	L4 2.4L	54	78	600
2012-10	H6 3.6L	54	49	740	2012-04	V12 6.7L Optional	54,66,69	49	900	2006	L4 2.2L From June	54	78	600
2012-10	H6 3.8L	54	49	740	SAAB					2006	L4 2.2L To June	54	75	600
2012	H6 3.4L	54	49	740	900					2006	L4 2.2L To June	54	78	600
2011	H6 4.0L	54	49	740	1998-94	L4 2.0L		47	520	2006	L4 2.4L From June	54	78	600
2009-05	H6 3.6L	54	94R	740	1998-94	L4 2.3L		47	520	2006	L4 2.4L To June	54	75	600
2009-05	H6 3.8L	54	94R	740	1997-94	V6 2.5L		47	520	2006	L4 2.4L To June	54	75	600
2004-02	H6 3.6L ex. GT2	9,54	94R	740	1994	L4 2.1L		47	520	2005-03	L4 2.2L	54	75	600
2004-02	H6 3.6L GT2	9,54	91	650	9000					L100				
2001-99	H6 3.4L	54	48	650	1998-94	L4 2.3L		41	570	2002	L4 2.2L		78	600
2001	H6 3.6L ex. GT2	9,54	91	650	1997-95	V6 3.0L		41	570	2001	L4 2.2L		75	525
2001	H6 3.6L GT2	9,54	48	650	9-2X					L200				
1998-94	H6 3.6L	54	48	650	2006	H4 2.5L		35	550	2003-02	L4 2.2L		78	600
928					2005	H4 2.0L		25	550	2001	L4 2.2L		75	525
1995-94	V8 5.4L		48	650	2005	H4 2.5L		25	550	L300				
968					9-3					2005	V6 3.0L		78	600
1995-94	L4 3.0L		91	600	2011-04	L4 2.0L	54	48	700	2003-02	V6 3.0L		78	600
Boxster					2009-06	V6 2.8L	54	48	700	2001	V6 3.0L		75	525
2013-07	H6 3.4L	54	94R	650	2003-03	L4 2.0L Conv.	40	47	580	L300-1				
2013	H6 2.7L	54	94R	650	2003-03	L4 2.0L Sport				2004	L4 2.2L		78	600
2012-09	H6 2.9L	54	94R	650		Sedan	54	48	700	L300-2				
2008-06	H6 2.7L	54	94R	650	2002	L4 2.0L	40	47	580	2004	V6 3.0L		78	600
2006	H6 3.2L	54	94R	650	2002	L4 2.3L	40	47	580	L300-3				
2005-02	H6 2.7L Optional	54	94R	650	2001-99	L4 2.0L		47	580	2004	V6 3.0L		78	600
2005-02	H6 3.2L Optional	54	94R	650	2001-99	L4 2.3L		47	580	LS				
2005-00	H6 2.7L	54	48	650	9-3X					2000	L4 2.2L		75	525
2005-00	H6 3.2L	54	48	650	2011-10	L4 2.0L	54	48	700	LS1				
1999-97	H6 2.5L	54	48	650	9-4X					2000	L4 2.2L		75	525
Carrera GT					2011	V6 2.8L	54	48	700	LS2				
2005-04	V10 5.7L	54	48	650	2011	V6 3.0L	54	48	700	2000	V6 3.0L		75	525
Cayenne					9-5					LW1				
2013-11	V6 3.0L Hybrid	54	94R	650	2011-10	V6 2.8L	54	48	700	2000	L4 2.2L		75	525
2013-08	V6 3.6L	54	94R	650	2011	L4 2.0L	54	48	700	LW2				
2013-08	V8 4.8L	54	49	740	2009-08	L4 2.3L	54	48	700	2000	V6 3.0L		75	525
2006-04	V6 3.2L	54	94R	640	2007-04	L4 2.3L		48	700	LW200				
2006-03	V8 4.5L	54	49	740	2003-02	L4 2.3L	54	48	700	2003-02	L4 2.2L		78	600
Cayman					2003-02	L4 2.3L		48	700	2001	L4 2.2L		75	525
2013-10	H6 3.4L	54	49	740	2003-02	V6 3.0L		48	700	LW300				
2013	H6 2.7L	54	49	740	2001-99	V6 3.0L		48	650	2003-02	V6 3.0L		78	600
2012-09	H6 2.9L	54	49	740	2001-00	L4 2.3L		48	650	2001	V6 3.0L		75	525
2009-06	H6 3.4L	54	94R	740	1999	L4 2.3L		48	700	Outlook				
2008-07	H6 2.7L	54	94R	740	9-7x					2010	V6 3.6L	54	48	660
Panamera					2009-08	V8 6.0L		78	600	2009-07	V6 3.6L	54	48	730
2013-12	V6 3.0L	54	49	740	2009-05	L6 4.2L		78	600	Relay-1				
2013-11	V6 3.6L	54	49	740	2009-05	V8 5.3L		78	600	2007	V6 3.9L		34	600
2013-10	V8 4.8L	54	49	740	SALEEN					Relay-2				
RAM					S7					2007	V6 3.9L		34	600
1500					2006-02	V8 7.0L		34	750	2006-05	V6 3.5L		34	600
2013-11	V8 4.7L		94R	730	SATURN					Relay-3				
2013-11	V8 5.7L		94R	730	Astra					2007-06	V6 3.9L		34	600
2013	V6 3.6L		94R	730	2009-08	L4 1.8L		91	600	2006-05	V6 3.5L		34	600
2012-11	V6 3.7L		94R	730	Aura					SC1				
2500					2009	L4 2.4L		90	600	2002-94	L4 1.9L		75	525
2013-11	L6 6.7L Diesel	2	94R	730	2009	V6 3.6L		90	600	SC2				
2013-11	V8 5.7L		94R	730	2008	L4 2.4L		90	590	2002-94	L4 1.9L		75	525
3500					2008	V6 3.5L		90	590	Sky				
2013-11	L6 6.7L Diesel	2	94R	730	2008	V6 3.6L		90	590	2010-07	L4 2.0L		86	590
2013-11	V8 5.7L		94R	730	2007	L4 2.4L XE		75	575	2010-07	L4 2.4L		86	590
4500					2007	L4 2.4L XR		75	690	SL				
2013-11	L6 6.7L Diesel	2	94R	730	2007	V6 3.5L		75	690	2002-94	L4 1.9L		75	525

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SATURN (Cont.)					SUBARU (Cont.)					SUZUKI (Cont.)				
SL1					Impreza (Cont.)					Kizashi				
2002-94	L4 1.9L		75	525	2001-95	H4 2.2L AT		35	520	2013-10	L4 2.4L		24F	700
SL2					2001-95	H4 2.2L MT		35	360	Reno				
2002-94	L4 1.9L		75	525	2001	H4 2.5L		35	520	2008-05	L4 2.0L	11	86	610
SW1					2000-98	H4 2.5L AT		35	520	Samurai				
1999-94	L4 1.9L		75	525	2000-98	H4 2.5L MT		35	360	1995-94	L4 1.3L		51	405
SW2					1997-94	H4 1.8L AT		35	520	Sidekick				
2001-94	L4 1.9L		75	525	1997-94	H4 1.8L MT		35	360	1998-96	L4 1.6L		26R	390
Vue					Justy					1998-96	L4 1.8L		85	550
2010-08	L4 2.4L		47	650	1995	L3 1.2L		35	550	1995-94	L4 1.6L		51	405
2010-08	V6 3.5L		48	730	1994	L3 1.2L		35	420	Swift				
2010-08	V6 3.6L		48	730	Legacy					2001-95	L4 1.3L		26R	440
2007	L4 2.2L		75	525	2013-10	H4 2.5L		25	490	1994	L3 1.0L		51	435
2007	L4 2.4L		86	590	2013-10	H6 3.6L		25	490	1994	L4 1.3L		51	435
2007	V6 3.5L		86	640	2009-08	H6 3.0L		35	490	Swift+				
2006-04	L4 2.2L		75	550	2009	H4 2.5L		35	490	2009-04	L4 1.6L		86	550
2006-04	V6 3.5L		86	590	2008	H4 2.5L		85	430	SX4				
2003-02	L4 2.2L		75	600	2007	H4 2.5L		35	490	2013-07	L4 2.0L		24	700
2003-02	V6 3.0L		75	600	2006-98	H4 2.5L MT		35	430	SX4 Crossover				
SCION					2006	H4 2.5L AT or Optional		35	490	2012	L4 2.0L		24	700
FR-S					2005-96	H4 2.5L AT		35	490	Verona				
2013	H4 2.0L	45,54	55D23L	0	2000	H4 2.5L Optional		85	430	2006-04	L6 2.5L	11	34	700
iQ					1999-98	H4 2.2L MT		35	430	Vitara				
2013-12	L4 1.3L		51	575	1999-95	H4 2.2L AT		35	490	2004	V6 2.5L		85	600
tC					1999-95	H4 2.2L Optional		85	430	2003-99	L4 2.0L		85	550
2013-11	L4 2.5L		24F	575	1997-96	H4 2.5L MT		35	355	2002	L4 1.6L		26R	540
2010-05	L4 2.4L		24	575	1997-95	H4 2.2L MT		35	355	2001-99	L4 1.6L		85	550
xA					1994	H4 2.2L		35	550	X-90				
2006-04	L4 1.5L		25	550	Loyale					1998-96	L4 1.6L		26R	440
xB					1994	H4 1.8L AT		25	420	XL-7				
2013-08	L4 2.4L		24F	575	1994	H4 1.8L MT		21	305	2009-07	V6 3.6L		47	650
2006-04	L4 1.5L		25	550	Outback					2006-04	V6 2.7L		24F	700
xD					2013-10	H4 2.5L		25	490	2003-02	V6 2.7L		85	550
2013-08	L4 1.8L		35	550	2013-10	H6 3.6L		25	490	TOYOTA				
SMART					2009-07	H4 2.5L		35	490	4Runner				
Fortwo					2009-07	H6 3.0L		35	490	2013-03	V6 4.0L		24F	585
2013-08	L3 1.0L	54,66	47	540	2006-01	H4 2.5L AT		35	490	2010	L4 2.7L		24F	585
2007-05	L3 0.8L	54,66	47	540	2006-01	H4 2.5L MT		35	430	2010	L4 2.7L Optional		27F	710
SUBARU					2006	H6 3.0L AT		35	490	2009-03	V6 4.0L Optional		27F	710
B9 Tribeca					2006	H6 3.0L MT		35	430	2009-03	V8 4.7L		24F	585
2007-06	H6 3.0L		35	490	2005-01	H6 3.0L		35	490	2009-03	V8 4.7L Optional		27F	710
Baja					2000	H4 2.5L		35	490	2002-01	V6 3.4L		24F	585
2006-03	H4 2.5L AT		35	490	SVX					2000-96	L4 2.7L		24F	585
2006-03	H4 2.5L MT		35	430	1997-94	H6 3.3L		24	585	2000-96	V6 3.4L		35	360
BRZ					Tribeca					2000	V6 3.4L Optional		24F	585
2013	H4 2.0L		35	550	2013-08	H6 3.6L		35	490	1997-96	V6 3.4L Optional		24F	585
Forester					WRX					1995-94	L4 2.4L		25	360
2013-10	H4 2.5L		35	550	2013	H4 2.5L	45	55D23L	0	1995-94	L4 2.4L Optional		24	585
2009-08	H4 2.5L		35	490	WRX STI					1995-94	V6 3.0L		25	360
2007	H4 2.5L		35	500	2013	H4 2.5L	45	55D23L	0	1995-94	V6 3.0L Optional		24	585
2006	H4 2.5L AT		35	490	XV Crosstrek					2001-95	V6 3.0L U.S.		35	390
2006	H4 2.5L MT		35	360	2013	H4 2.0L	45	55D23L	0	2001-95	V6 3.0L U.S.		35	360
2005-03	H4 2.5L AT		35	520	SUZUKI					Avalon				
2005	H4 2.5L MT		35	430	Aerio					2013-05	V6 3.5L		24F	585
2004-03	H4 2.5L MT		35	360	2007-04	L4 2.3L		24F	700	2013-05	V6 3.5L Optional		35	390
2002-00	H4 2.5L		35	360	2003-02	L4 2.0L		24F	700	2013	L4 2.5L		24F	585
2002-00	H4 2.5L Optional		35	520	Equator					2013	L4 2.5L Optional		35	390
1999-98	H4 2.5L AT		35	520	2012-09	L4 2.5L		24F	550	2004-03	V6 3.0L		24F	585
1999-98	H4 2.5L MT		35	360	2012-09	V6 4.0L		24F	550	2004-03	V6 3.0L Optional		35	390
Impreza					Esteem					2002-95	V6 3.0L Canada & Optional		24F	585
2013-12	H4 2.0L		35	550	2002-99	L4 1.8L		26R	440	2002	V6 3.0L U.S.		35	390
2013-10	H4 2.5L		35	550	2001	L4 1.6L		26R	540	2001-95	V6 3.0L U.S.		35	360
2009-07	H4 2.5L		35	520	2000-95	L4 1.6L		26R	440	Camry				
2006	H4 2.5L AT		35	490	Forenza					2013-12	L4 2.5L Hybrid	45,54,60,69	S65D26R	0
2006	H4 2.5L MT		35	420	2008-04	L4 2.0L	11	86	610	2013-10	L4 2.5L		24F	585
2005-02	H4 2.5L AT		35	520	Grand Vitara					2013-07	V6 3.5L		24F	585
2005	H4 2.0L AT		35	520	2013-09	L4 2.4L		24F	700	2011-07	L4 2.4L Hybrid	45,54,60,69	S65D26R	0
2005	H4 2.0L MT		35	430	2010-09	V6 3.2L		24F	700	2009-04	L4 2.4L Gas		24F	585
2005	H4 2.5L MT		35	430	2008-06	V6 2.7L		24F	700	2006-04	V6 3.0L		24F	585
2004-02	H4 2.0L AT		35	420	2005-04	V6 2.5L		24F	700	2006-04	V6 3.3L		24F	585
2004-02	H4 2.0L MT		35	360	2003-99	V6 2.5L		85	550	2003-94	V6 3.0L Canada or Optional		24F	585
2004-02	H4 2.5L MT		35	360	2001	V6 2.7L		24F	550	2003-02	L4 2.4L		35	360
										2003-02	L4 2.4L Optional		24F	585
										2002	V6 3.0L U.S.		35	390

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TOYOTA (Cont.)					TOYOTA (Cont.)					TOYOTA (Cont.)				
Camry (Cont.)					Previa (Cont.)					Tacoma (Cont.)				
2001-94	L4 2.2L Canada or Optional		24F	585	1997	L4 2.4L Canada & Optional		24F	585	2003-01	V6 3.4L Canada & Optional		24F	585
2001-94	L4 2.2L U.S.		35	360	1996	L4 2.4L Canada or Optional		24F	585	2003-01	V6 3.4L U.S.		35	360
2001	V6 3.0L U.S.		35	360	1995-94	L4 2.4L Canada & Optional		24F	585	2000-95	L4 2.4L		35	360
1994	V6 3.0L Primary Battery		35	360				24F	585	2000-95	L4 2.4L Optional		24F	585
Celica					Prius					2000-95	L4 2.7L		24F	585
2005-00	L4 1.8L		35	310	2013-10	L4 1.8L Hybrid	45,54,69	S46B24R	325	2000-95	V6 3.4L		35	360
1999-95	L4 2.2L Optional		35	420	2009-04	L4 1.5L ex. Smart Key	45,47,54	S34B20R	270	2000-95	V6 3.4L Optional		24F	585
1999-94	L4 2.2L		35	360	2009-04	L4 1.5L Smart Key	45,47,54	S46B24R	325	Tercel				
1997-94	L4 1.8L		35	360	2003-01	L4 1.5L	45,47,54	S34B20L	270	1999-97	L4 1.5L		21	310
1996-94	L4 1.8L Optional		35	420	Prius C					1999-97	L4 1.5L Optional		25	360
Corolla					2013-12	L4 1.5L Hybrid	45,54,69	S34B20R	270	1996-94	L4 1.5L		25	360
2013-09	L4 1.8L		35	355	Prius V					1996-94	L4 1.5L Optional		25	410
2011	L4 2.4L		24F	585	2013-12	L4 1.8L Hybrid	45,47,54	S46B24R	325	Tundra				
2010-09	L4 2.4L		24F	575	RAV4					2013-10	V8 4.6L		24F	585
2008-06	L4 1.8L		35	420	2013-09	L4 2.5L		24F	585	2013-10	V8 4.6L Optional		27F	710
2005-04	L4 1.8L		35	310	2012-06	V6 3.5L		24F	585	2013-08	V6 4.0L Optional		27F	710
2003-95	L4 1.8L		35	360	2008-04	L4 2.4L		24F	585	2013-08	V8 5.7L Optional		27F	710
1997-94	L4 1.6L		35	310	2003-01	L4 2.0L		35	420	2013-07	V6 4.0L		24F	585
1996	L4 1.6L Optional		21R	360	2000-96	L4 2.0L		35	360	2013-07	V8 5.7L		24F	585
1994	L4 1.6L Optional		21R	350	Sequoia					2009-08	V8 4.7L Optional		27F	710
1994	L4 1.8L		21R	310	2013-08	V8 5.7L		27F	710	2009-07	V8 4.7L		24F	585
1994	L4 1.8L Optional		35	360	2012-10	V8 4.6L		27F	710	2006-05	V8 4.7L ex. Cold Climate		24F	585
Echo					2009-04	V8 4.7L		27F	710	2006-02	V8 4.7L Cold Climate or Optional		27F	710
2005-03	L4 1.5L		21	420	2003-02	V8 4.7L Optional		27F	710	2006	V6 4.0L Cold Climate or Optional		27F	710
2002-00	L4 1.5L U.S.		21	310	2003-01	V8 4.7L		24F	585	2006	V6 4.0L ex. Cold Climate		24F	585
2002	L4 1.5L Canada & Optional		25	360	2001	V8 4.7L Optional		27F	650	2005	V6 4.0L		24F	585
2001	L4 1.5L Canada & Optional		25	420	Sienna					2005	V6 4.0L Optional		27F	710
FJ Cruiser					2013-11	L4 2.7L		24F	585	2004-02	V8 4.7L Primary Battery		24F	585
2013-11	V6 4.0L		24F	585	2013-07	V6 3.5L		24F	585	2004-00	V6 3.4L AT or Optional		24F	585
2010-07	V6 4.0L		27F	710	2006-04	V6 3.3L		24F	585	2004-00	V6 3.4L MT		35	360
Highlander					2003-02	V6 3.0L		35	360	2001-00	V8 4.7L		24F	585
2013-11	V6 3.5L Hybrid	45,54,60,69	S55D23L	360	2003-02	V6 3.0L Optional		24F	585	2000	V8 4.7L Optional		27F	650
2013-09	L4 2.7L		24F	585	2001-98	V6 3.0L		24F	585	Venza				
2013-08	V6 3.5L		24F	585	Solara					2013-09	L4 2.7L		24F	585
2010-06	V6 3.3L Hybrid		51R	435	2008-06	L4 2.4L		24F	585	2013-09	V6 3.5L		24F	585
2007-06	V6 3.3L Gas		24F	585	2008-04	V6 3.3L		24F	585	Yaris				
2007-01	L4 2.4L		24F	585	2005-02	L4 2.4L		35	390	2013-06	L4 1.5L	45	55D23L	360
2005-04	V6 3.3L		24F	585	2003-01	V6 3.0L Canada & Optional		24F	585	VOLKSWAGEN				
2003-01	V6 3.0L		24F	585	2002	V6 3.0L U.S.		35	390	Beetle				
Land Cruiser					2001-99	L4 2.2L Canada & Optional		24F	585	2013-12	L4 2.0L		66	47
2013	V8 5.7L		27F	710	2001-99	L4 2.2L U.S.		35	360	2013-12	L4 2.0L Optional		66	48
2011-08	V8 5.7L		27F	710	2001	V6 3.0L U.S.		35	360	2013-12	L5 2.5L		66	47
2007-01	V8 4.7L		24F	575	2000-99	V6 3.0L Canada & Cold Climate		24F	585	2013-12	L5 2.5L Optional		66	48
2000-98	V8 4.7L		24F	575	Supra					2013	L4 2.0L Diesel		66	47
1997-94	L6 4.5L Canada & Optional		27F	625	1998-94	L6 3.0L AT		24F	585	2013	L4 2.0L Diesel, Optional		66	48
1997-94	L6 4.5L U.S.		24F	450	1998-94	L6 3.0L MT		24F	490	2010-08	L5 2.5L		66	48
Matrix					T100					2007-06	L5 2.5L		47	480
2013-09	L4 1.8L		35	355	1998-95	V6 3.4L		24F	585	2006-05	L4 1.9L Turbo Diesel		47	480
2013-09	L4 2.4L		24F	575	1998-94	L4 2.7L		24F	585	2005-98	L4 2.0L		47	480
2008-03	L4 1.8L		35	550	1994	V6 3.0L		25	360	2005	L4 1.8L		47	480
MR2					Tacoma					2004-98	L4 1.9L Turbo Diesel		48	640
1995-94	L4 2.0L		35	360	2013-09	V6 4.0L		27F	710	2004-03	L4 1.8L		48	640
1995-94	L4 2.0L Optional		24F	490	2013-05	L4 2.7L		24F	585	2002-00	L4 1.8L		47	480
1995-94	L4 2.2L		24F	490	2008-07	V6 4.0L		24F	585	1999	L4 1.8L		48	640
MR2 Spyder					2006	V6 4.0L Cold Climate or Towing Package		27F	710	Cabrio				
2005-00	L4 1.8L		51R	430	2006	V6 4.0L ex. Cold Climate & Towing Package		24F	585	2002-00	L4 2.0L		47	575
Paseo					2005	V6 4.0L		24F	585	1999-98	L4 2.0L		97R	575
1999-98	L4 1.5L		25	550	2004	L4 2.4L		35	310	1997-95	L4 2.0L		42	460
1997	L4 1.5L		21	310	2004	L4 2.7L		35	310	CC				
1997	L4 1.5L Optional		25	360	2004	V6 3.4L		24F	550	2013-09	L4 2.0L	54,66	48	640
1996-94	L4 1.5L Optional		25	410	2003-01	L4 2.4L Canada & Optional		24F	585	2013-09	V6 3.6L	54,66	49	760
Pickup					2003-01	L4 2.4L U.S.		35	360	Corrado				
1995-94	L4 2.4L Canada & Optional		24	585	2003-01	L4 2.7L Canada & Optional		24F	585	1995-94	V6 2.8L		42	460
1995-94	L4 2.4L U.S.		25	360	2003-01	L4 2.7L U.S.		35	360	Eos				
1995-94	V6 3.0L Canada & Optional		24	585						2013-11	L4 2.0L	54,66	47	540
1995-94	V6 3.0L U.S.		25	360						2013-11	L4 2.0L Optional	54,66	48	640
Previa														
1997-94	L4 2.4L U.S.		35	360										

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VOLKSWAGEN (Cont.)					VOLKSWAGEN (Cont.)					VOLKSWAGEN (Cont.)				
Eos (Cont.)					Jetta (Cont.)					Passat (Cont.)				
2010-07	L4 2.0L	66	47	480	2013-06	L5 2.5L	54,66	47	540	2013-12	L4 2.0L Diesel			
2010-07	L4 2.0L Optional	66	48	640	2013-05	L5 2.5L Optional	54,66	48	570		Optional	54,66	49	760
2008-07	V6 3.2L	66	48	540	2010-09	L4 2.0L Diesel, Optional	54,66	48	570	2013-12	L5 2.5L	54,66	47	540
EuroVan					2009-08	L4 2.0L Gas, Optional	54,66	94R	640	2013-12	L5 2.5L Optional	54,66	48	640
2003	V6 2.8L	54	97R	575	2009-05	L5 2.5L Optional	54,66	94R	640	2013-12	L5 2.5L Optional	54,66	49	760
2002-00	V6 2.8L Auxiliary	62	27	570	2009	L4 2.0L Diesel, Optional	54,66	94R	640	2013-12	V6 3.6L	54,66	47	540
2002-00	V6 2.8L Primary Battery	54	97R	575	2007	L4 2.0L	54,66	47	540	2013-12	V6 3.6L Optional	54,66	48	640
1999	V6 2.8L		42	460	2007	L4 2.0L Optional	54,66	48	570	2010-08	L4 2.0L	66	47	480
1997-94	L5 2.4L Auxiliary	62	27	570	2007	L4 2.0L Optional	54,66	94R	640	2010-08	V6 3.6L	66	48	640
1997-94	L5 2.4L Diesel		97R	575	2006-98	L4 1.9L Diesel, Optional	54,66	94R	640	2010-06	L4 2.0L Optional	66	48	640
1997	V6 2.8L		42	460	2006-05	L4 1.9L Diesel, Optional	54,66	48	570	2007	L4 2.0L		47	480
1996	L5 2.5L Auxiliary	62	27	570	2006	L4 1.9L Diesel	54,66	47	540	2007	V6 3.6L		48	640
1996	L5 2.5L Primary Battery		97R	575	2006	L4 2.0L Turbo	54,66	47	540	2006	L4 2.0L	66	47	480
1995-94	L5 2.5L		42	460	2006	L4 2.0L Turbo, Optional	54,66	48	570	2006	V6 3.6L	66	48	640
Golf					2006	L4 2.0L Turbo, Optional	54,66	94R	640	2005-98	V6 2.8L	66	48	540
2013-10	L4 2.0L Diesel	54,66	47	540	2006	L4 2.0L Turbo, Optional	54,66	94R	640	2005	L4 1.8L ex. 4 Motion	54	49	740
2013-10	L4 2.0L Diesel, Optional	54,66	48	640	2006	L4 2.0L Turbo, Optional	54,66	94R	640	2004-03	W8 4.0L		94R	640
2013-10	L5 2.5L	54,66	47	540	2005-98	L4 2.0L Optional	54,66	94R	640	2004	L4 1.8L ex. 4 Motion		48	570
2013-10	L5 2.5L Optional	54,66	48	640	2005-04	L4 1.8L Turbo, Optional	54,66	94R	640	2004	L4 2.0L Diesel	66	94R	640
2013	L4 2.0L Gas	54,66	47	540	2005	L4 1.8L Early	54,66	47	520	2003-01	L4 1.8L ex. 4 Motion	54	48	570
2013	L4 2.0L Gas, Optional	54,66	48	640	2005	L4 1.8L Late	54,66	47	540	2002	W8 4.0L ex. 4 Motion	54	48	570
2012	L4 2.0L Gas	54,66	48	640	2005	L4 1.8L Optional	54,66	48	570	2000-98	L4 1.8L		48	570
2012	L4 2.0L Gas, Optional	54,66	47	540	2005	L4 1.9L Diesel, Early	54,66	47	520	1997-94	V6 2.8L		42	460
2006	L4 1.8L		47	480	2005	L4 1.9L Diesel, Late	54,66	47	540	1997	L4 1.9L Diesel		98R	650
2006	L4 1.9L Diesel		48	570	2005	L4 2.0L Early	54,66	47	520	1996-95	L4 2.0L Optional		41	650
2006	L4 2.0L ex. Turbo		47	480	2005	L4 2.0L Late	54,66	47	540	1996-94	L4 2.0L		42	460
2005-04	L4 1.9L Turbo Diesel		94R	640	2005	L4 2.0L Optional	54,66	48	570	1996	L4 1.9L Diesel	6	41	650
2005-03	L4 1.8L		47	570	2005	L5 2.5L Early	54,66	47	520	1996	V6 2.8L Optional		42	650
2005-03	L4 2.0L		47	570	2005	L5 2.5L Late	54,66	47	540	1995-94	L4 1.9L Diesel		42	460
2005-03	V6 2.8L		94R	640	2004-98	L4 1.9L Diesel	54,66	47	520	1995-94	V6 2.8L Optional		41	650
2004	V6 3.2L	66	47	480	2004-98	L4 2.0L	54,66	47	520	Passat CC				
2003	L4 1.9L Turbo Diesel		47	570	2004-98	V6 2.8L	54,66	47	520	2010-09	L4 2.0L	54,66	47	480
2002-00	L4 1.8L		47	575	2004-98	V6 2.8L Optional	54,66	94R	640	2010-09	V6 3.6L	54,66	48	640
2002-00	L4 2.0L		47	575	2004	L4 1.8L Turbo	54,66	47	520	Phaeton				
2002-00	V6 2.8L		47	575	2003-00	L4 1.8L	54,66	47	520	2006-04	V8 4.2L	54	49	740
2002	L4 1.9L Turbo Diesel		47	575	2003-00	L4 1.8L Optional	54,66	94R	640	2006-04	W12 6.0L	54	49	740
2001	L4 1.9L Diesel		47	575	2002-98	L4 1.9L Diesel, Optional	54,66	48	570	R32				
2000	L4 1.9L Diesel		94R	620	2002-98	L4 2.0L Optional	54,66	48	570	2008	V6 3.2L	66	94R	640
1999-98	L4 2.0L		97R	575	2002-98	V6 2.8L Optional	54,66	48	570	Rabbit				
1999-98	V6 2.8L		97R	575	2002-00	L4 1.8L Optional	54,66	48	570	2009-06	L5 2.5L	66	48	540
1999	L4 1.9L Diesel		98R	620	2001	L4 1.8L Optional, Cold Climate	54,66	49	760	Routan				
1998	L4 1.8L		97R	575	2001	L4 1.9L Diesel, Optional, Cold Climate	54,66	49	760	2012	V6 3.6L		94R	730
1998	L4 1.9L Diesel		97R	575	2001	L4 2.0L Optional, Cold Climate	54,66	49	760	2011	V6 3.6L		94R	700
1997	L4 1.8L		42	460	2001	V6 2.8L Optional, Cold Climate	54,66	49	760	2010-09	V6 3.8L		34	600
1997	L4 1.9L Diesel		98R	620	1999-98	L4 1.9L Diesel, Optional	54,66	97R	575	2010-09	V6 4.0L		34	600
1997	L4 2.0L		42	460	1999-98	L4 2.0L Optional	54,66	97R	575	Tiguan				
1997	V6 2.8L		42	460	1997	L4 2.0L		98R	620	2013-09	L4 2.0L	54,66	47	540
1996-95	L4 1.8L Optional		41	650	1997	V6 2.8L		42	460	2013-09	L4 2.0L Optional	54,66	48	640
1996-95	V6 2.8L		41	575	1996-94	L4 2.0L		41	650	Touareg				
1996-95	V6 2.8L Optional		41	650	1996-94	L4 2.0L Optional		41	650	2013-11	V6 3.0L Diesel	54,66	48	640
1996-94	L4 1.8L		41	575	1996-94	V6 2.8L		41	575	2013-11	V6 3.0L Diesel, Optional	54,66	94R	760
1996-94	L4 2.0L		41	575	1996	L4 1.9L Diesel	6	41	575	2013-11	V6 3.0L Diesel, Optional	54,66	95R	850
1996-94	L4 2.0L Optional		41	650	1995-94	L4 1.8L		41	575	2013-11	V6 3.0L Hybrid, Optional	54,66	94R	760
1996	L4 1.9L Diesel	6	41	650	1995-94	L4 1.9L Diesel		41	650	2013-11	V6 3.0L Hybrid, Optional	54,66	95R	850
1995-94	L4 1.9L Diesel		41	575	1995	V6 2.8L Optional		41	650	2013-11	V6 3.6L	54,66	48	640
1995	L4 1.9L Diesel Optional		41	650	Jetta City					2013-11	V6 3.6L Optional	54,66	94R	760
Golf City					2009-07	L4 2.0L	54	47	540	2013-07	V6 3.6L Optional	54,66	95R	850
2010-07	L4 2.0L	66	47	540	2009-07	L4 2.0L Optional	54	48	570	2013	V6 3.0L Hybrid	54,66	48	640
GTI					2009-07	L4 2.0L Optional	54	94R	640	2012-11	V6 3.0L Hybrid	54,66	48	640
2013-11	L4 2.0L	54,66	47	540	Passat					2010-09	V6 3.0L Diesel	54,66	95R	850
2013-11	L4 2.0L Optional	54,66	48	570	2013-12	L4 2.0L Diesel	54,66	47	540	2010-07	V6 3.6L	54,66	49	760
2010-09	L4 2.0L	66	48	570	2013-12	L4 2.0L Diesel Optional	54,66	48	640	2009-08	V8 4.2L	54	93	790
2008-06	L4 2.0L	66	48	540	Jetta City					2008	V10 5.0L Diesel	54	93	740
Jetta					2009-07	L4 2.0L	54	47	540	2007	V10 5.0L	54	93	740
2013-11	L4 2.0L Diesel Optional	54,66	48	570	2009-07	L4 2.0L Optional	54	94R	640	2007	V8 4.2L	54	93	740
2013-09	L4 2.0L Diesel	54,66	47	540	Passat					2007	V8 4.2L	54,66	93	740
2013-08	L4 2.0L Gas	54,66	47	540	2013-12	L4 2.0L Diesel	54,66	47	540	2006-05	V10 5.0L	54,66	49	850
2013-08	L4 2.0L Gas, Optional	54,66	48	570	2013-12	L4 2.0L Diesel Optional	54,66	48	640	2006-04	V6 3.2L	54	94R	640

Passenger Car & Light Truck

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
VOLKSWAGEN (Cont.)					VOLVO (Cont.)					WORKHORSE				
Touareg (Cont.)					S80 (Cont.)					FasTrack FT1061				
2006	V8 4.2L	54	93	740	2013-08	L6 3.0L w/Premium Stereo	54	92	700	2005-04	V8 4.8L		78	690
2005-04	V8 4.2L	54	49	740						2004-02	V8 5.7L		78	690
2004	V10 4.9L Diesel	54,66	49	850	2013-07	L6 3.2L w/o Premium Stereo	54	48	600	FasTrack FT1260				
VOLVO					2013-07	L6 3.2L w/Premium Stereo	54	92	700	2001-00	V8 5.7L		78	690
850					2010-07	V8 4.4L Optional	54	93	800	FasTrack FT1261				
1997-94	L5 2.3L		47	520	2010	V8 4.4L w/o Premium Stereo	54	48	600	2005-04	L4 3.9L		78	690
1997-94	L5 2.4L		47	520						2005-02	V8 5.7L		78	690
940					2010	V8 4.4L w/Premium Stereo	54	92	700	2005	V8 4.8L		78	690
1995-94	L4 2.3L		47	520	2009-07	V8 4.4L	54	48	600	FasTrack FT1460				
960					2009-07	V8 4.4L Optional	54	92	700	2002-00	V8 5.7L		78	690
1997-94	L6 2.9L		48	600	2006-04	L5 2.5L	54	48	600	FasTrack FT1461				
C30					2006-04	L5 2.5L Optional	54	49	800	2005-04	L4 3.9L		78	690
2013-07	L5 2.5L	54	91	590	2005-99	L6 2.9L	54	48	600	2005-04	V8 4.8L		78	690
2013-07	L5 2.5L Optional	54	94R	700	2005-99	L6 2.9L Optional	54	49	800	2005-04	V8 6.0L		78	690
2010-07	L5 2.4L	54	91	590	2001-99	L6 2.8L	54	48	600	2005-02	V8 5.7L		78	690
2010-07	L5 2.4L Optional	54	94R	700	2001-99	L6 2.8L Optional	54	49	800	FasTrack FT1600				
C70					S90					2001-00	V8 5.7L		78	690
2013-06	L5 2.5L	54	91	590	1998-97	L6 2.9L		48	600	FasTrack FT1601				
2013-06	L5 2.5L Optional	54	94R	700	V40					2005-04	L4 3.9L		78	690
2004-03	L5 2.3L Turbo		48	600	2004-00	L4 1.9L	54	48	600	2005-04	V8 4.8L		78	690
2004-03	L5 2.4L	54	48	600	V50					2005-02	V8 5.7L		78	690
2002-01	L5 2.3L	54	48	600	2011-05	L5 2.5L w/o Premium Stereo	54	91	590	FasTrack FT1800				
2002	L5 2.4L Turbo	54	48	600	2011-05	L5 2.5L w/Premium Stereo	54	94R	700	2001-00	V8 5.7L		78	690
2001	L5 2.4L	54	48	600	2010-05	L5 2.4L w/o Premium Stereo	54	91	590	FasTrack FT1801				
2000-98	L5 2.3L	47	47	520	2010-05	L5 2.4L w/Premium Stereo	54	94R	700	2005-04	V8 6.0L		78	690
2000-98	L5 2.4L	47	47	520						2005-02	V8 6.5L	2	78	600
S40					2010-05	L5 2.4L w/Premium Stereo	54	94R	700	2004-02	V8 5.7L		78	690
2011-05	L5 2.5L w/Premium Stereo	54	94R	700	V70					FasTrack FT1802				
2011	L5 2.5L w/o Premium Stereo	54	91	590	2010-08	L6 3.2L w/o Premium Stereo	54	48	600	2003-02	V8 5.7L		78	690
2010-05	L5 2.4L	54	91	590	2010-08	L6 3.2L w/Premium Stereo	54	92	700	2003-02	V8 6.5L	2	78	600
2010-05	L5 2.4L w/Premium Stereo	54	94R	700	2007-98	L5 2.4L	54	47	520	FasTrack FT931				
2010-05	L5 2.5L	54	91	590	2007-98	L5 2.4L Optional	54	48	600	2003-02	V6 4.3L		78	690
2004	L4 1.9L Early		48	600	2007-03	L5 2.5L	54	47	520	P30				
2004	L4 1.9L Late	54	91	590	2007-03	L5 2.5L Optional	54	48	600	2005-00	V8 5.7L		78	690
2004	L4 1.9L Late, w/Premium Stereo	54	94R	700	2007-03	L5 2.5L Optional	54	49	800					
2004	L5 2.4L Early	48	48	600	2007-02	L5 2.4L Optional	54	49	800					
2004	L5 2.4L Late	54	91	590	2004-98	L5 2.3L	54	47	520					
2004	L5 2.4L Late, w/Premium Stereo	54	94R	700	2004-98	L5 2.3L Optional	54	48	600					
2004	L5 2.5L Early	48	48	600	2004-02	L5 2.3L Optional	54	49	800					
2004	L5 2.5L Late	54	91	590	V90									
2004	L5 2.5L Late, w/Premium Stereo	54	94R	700	1998-97	L6 2.9L		48	600					
2003-00	L4 1.9L		48	600	XC60									
S60					2013-10	L6 3.0L w/o Premium Stereo	54	48	600					
2013-12	L5 2.5L w/o Premium Stereo	54	48	600	2013-10	L6 3.0L w/Premium Stereo	54	92	700					
2013-12	L5 2.5L w/Premium Stereo	54	92	700	2013-10	L6 3.2L w/o Premium Stereo	54	48	600					
2013-11	L6 3.0L w/o Premium Stereo	54	48	600	2013-10	L6 3.2L w/Premium Stereo	54	92	700					
2013-11	L6 3.0L w/Premium Stereo	54	92	700	XC70									
2009-03	L5 2.5L	54	48	600	2013-09	L6 3.0L w/o Premium Stereo	54	48	600					
2009-03	L5 2.5L Optional	54	49	800	2013-09	L6 3.0L w/Premium Stereo	54	92	700					
2009-01	L5 2.4L	54	48	600	2013-08	L6 3.2L w/o Premium Stereo	54	48	600					
2009-01	L5 2.4L Optional	54	49	800	2013-08	L6 3.2L w/Premium Stereo	54	92	700					
2004-01	L5 2.3L Turbo	54	48	600	2007-03	L5 2.5L	54	47	520					
2004-01	L5 2.3L Turbo, Optional	54	49	800	2007-03	L5 2.5L Optional	54	48	600					
S70					2007-03	L5 2.5L Optional	54	49	800					
2000	L5 2.3L		48	600	XC90									
2000	L5 2.4L		48	600	2013-07	L6 3.2L	54	48	600					
1999-98	L5 2.3L		47	520	2013-07	L6 3.2L Optional	54	49	760					
1999-98	L5 2.4L		47	520	2011-05	V8 4.4L	54	48	600					
1999	L5 2.3L From Chassis #491304		48	600	2011-05	V8 4.4L Optional	54	49	760					
1999	L5 2.4L From Chassis #491304		48	600	2006-03	L5 2.5L	54	48	600					
S80					2006-03	L5 2.5L Optional	54	49	760					
2013-08	L6 3.0L w/o Premium Stereo	54	48	600	2005-03	L6 2.9L	54	48	600					
					2005-03	L6 2.9L Optional	54	49	760					

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
ADVANCE MIXER					CHEVROLET (Cont.)					CHEVROLET (Cont.)				
Class 8 Cement Mixer					Medium Duty (Cont.)					Medium Duty (Cont.)				
61000					C4500 Kodiak					C7500 Kodiak (Cont.)				
2001-94	ALL	3	31T	650	2009-03	6.6L 6.6L Optional 8.1L 8.1L Optional 8.1L Optional	2,3 2,3 2	31T 31T 78 31T 78	700 750 600 700 750	2009-01	8.1L Optional 8.1L Optional 7.8L 8.1L 8.1L Optional	2 2 	31T 78 48 48 48	700 750 730 615 730
6600					2009	8.1L 8.1L Optional	 48	31T 48	700 730	2007	8.1L		48	315
2002-94	ALL	3	31T	650	2007	8.1L	48	31T	730	2000-99	7.4L Optional 7.4L Optional		31T 78	625 770
6800					2006	8.1L	79	31T	800	1998-97	6.0L Optional 6.0L Optional 6.6L 6.6L Optional 6.6L Optional 7.0L Optional 7.0L Optional		31T 78 31T 31T 31T 31T 78	625 770 625 750 900 625 770
2001-94	ALL	3	31T	650	C5500 Kodiak					T6500				
Cement Dump					2009-03	6.6L 6.6L Optional 8.1L 8.1L Optional 8.1L Optional	2,3 2,3 2	31T 31T 78 31T 78	700 750 600 700 750	2009-04	7.8L 7.8L Optional 7.8L 7.8L 7.8L Optional 7.2L Optional 7.2L, 7.8L	2,3 2,3 2 3 2,3 2,3 2,3	31T 31T 48 31T 31T 31T 31T	700 750 730 750 750 750 700
2002-94	ALL	3	31T	650	2009	6.6L 8.1L 8.1L Optional	2 48	48 31T 48	730 615 730	2009	7.8L 7.8L Optional 7.8L 7.8L 7.8L Optional 7.2L Optional 7.2L, 7.8L	2,3 2,3 2 3 2,3 2,3 2,3	31T 31T 48 31T 31T 31T 31T	700 750 730 750 750 750 600
Federal Bridge					2008	6.6L	3	31T	750	2008-05	7.8L	2	48	730
2010-02	ALL	3	31T	650	2007	6.6L Diesel 8.1L 8.1L	2 2 48	31T 48 48	730 615 800	2002-99	7.8L Optional 7.2L Optional 7.2L, 7.8L	2,3 2,3 2,3	31T 31T 31T	750 750 700
Great Lakes 5 A					2006	6.6L Diesel 8.1L	2 79	79 800	800	2002-98	7.2L, 7.8L	2,3	31T	700
2009-02	ALL	3	31T	650	2005-03	6.6L Diesel	2	78	770	1998-97	6.0L 6.0L Optional 6.0L Optional 6.6L 6.6L Optional 6.6L Optional		31T 31T 31T 31T 31T 31T	625 625 625 625 625 900
Michigan 6 Axle					C60 Kodiak					T7500				
2010-02	ALL	3	31T	650	1996-95	6.0L Optional 6.6L Optional 7.0L Optional		78 31T 78	770 900 770	2009-04	7.8L 7.8L Optional 7.8L 7.8L 7.8L 7.8L 7.8L	2,3 2,3 2 2 3 2,3 2,3	31T 31T 48 31T 31T 31T 31T	700 750 730 750 750 750 700
Standard 3 Axle					1996-94	6.0L Optional 6.0L, 7.0L 7.0L Optional		31T 78 31T	625 600 625	2009	7.8L 7.8L Optional 7.8L 7.8L 7.8L 7.8L 7.8L	2,3 2,3 2 2 3 2,3 2,3	31T 31T 48 31T 31T 31T 31T	700 750 730 750 750 750 700
2010-02	ALL	3	31T	650	1996	6.6L 6.6L Optional		31T 31T	625 625	2008-05	7.8L 7.8L 7.8L 7.8L 7.8L 7.8L 7.8L	2 2 3 2,3 2,3 2,3 2,3	31T 31T 48 31T 31T 31T 31T	700 750 730 750 750 750 700
Standard 4 Axle					1995-94	6.6L 6.0L Optional 7.0L Optional		31T 78 78	750 750 750	2002-99	7.8L 7.8L 7.8L 7.8L 7.8L 7.8L 7.8L	2,3 2,3 2,3 2,3 2,3 2,3 2,3	31T 31T 31T 31T 31T 31T 31T	700 700 700 700 700 700 700
2009-02	ALL	3	31T	650	1994	6.0L Optional 7.0L Optional		78 78	750 750	2002-98	7.2L, 7.8L	2,3	31T	700
AUTOCAR					C6500 Kodiak					1998-97	6.0L 6.0L Optional 6.0L Optional 6.6L 6.6L Optional 6.6L Optional		78 31T 31T 31T 31T 31T	600 625 625 625 625 900
Class 8 Refuse					2009-99	7.2L Optional 7.2L, 7.8L	2,3 2,3	31T 31T	750 700	W3500 Tiltmaster				
Xpeditor					2009-97	6.0L, 7.0L, 7.4L, 8.1L		78 78	600 750	2008-95	4.8L, 5.7L, 6.0L 5.2L		78 31T	600 700
2009-02	ALL	3	31T	660	2009-05	7.2L, 7.8L	3	31T	750	2008-05	5.2L Optional 5.2L, 6.0L 5.2L, 6.0L	2,3 2,3 2	31T 31T 48	700 750 700
Class 8 Truck					2009-03	7.8L Optional	2,3	31T	750	2008-04	6.0L Optional 6.0L Optional 6.0L Optional 4.8L Optional 4.8L Optional 4.8L Optional 5.7L Optional 5.7L Optional	2 2 2 2 2 2 2 2	31T 31T 31T 31T 31T 31T 31T 31T	700 700 700 700 750 750 700 750
Autocar					2009-01	8.1L Optional	2	31T	700	2004-99	4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional	2 2 2 2 2 2 2 2	31T 31T 31T 31T 31T 31T 31T 31T	700 700 700 700 750 750 700 700
1997-94	ALL	4	31T	550	2009	8.1L Optional	2	78	750	2003-95	5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional	2 2 2 2 2 2 2 2	31T 31T 31T 31T 31T 31T 31T 31T	600 700 700 700 700 700 700 700
	10.0L Optional	4	31T	625	2009	7.8L		48	730	1998-95	3.9L	2	31T	750
	10.0L Optional	4	31T	750	2009	8.1L		48	615	W4500 Tiltmaster				
	10.8L Optional	4	31T	625	2007	8.1L Optional		48	730	2008-98	4.8L, 5.7L, 6.0L 5.2L		78 31T	600 700
	10.8L Optional	4	31T	750	2000-99	7.4L Optional		31T	625	2008-05	5.2L 5.2L Optional 5.2L, 6.0L	2,3 2,3 2	31T 31T 31T	700 750 750
	11.1L Optional	4	31T	625	2009	7.4L Optional		78	600	2008-03	6.0L Optional 6.0L Optional 6.0L Optional 6.0L Optional 6.0L Optional 6.0L Optional 6.0L Optional 6.0L Optional	2 2 2 2 2 2 2 2	31T 31T 31T 31T 31T 31T 31T 31T	700 700 700 700 700 700 700 700
	11.1L Optional	4	31T	750	1998-97	6.0L Optional 6.0L Optional 6.6L 7.0L Optional		31T 78 31T 31T	625 750 750 625	2004-99	4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional 4.8L Optional	2 2 2 2 2 2 2 2	31T 31T 31T 31T 31T 31T 31T 31T	700 700 700 700 700 700 700 700
	12.1L Optional	4	31T	625	2009-95	6.0L Optional 6.6L Optional 7.0L Optional		31T 31T 31T	750 750 750	2003-98	5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional 5.7L Optional	2 2 2 2 2 2 2 2	31T 31T 31T 31T 31T 31T 31T 31T	700 700 700 700 700 700 700 700
	12.1L Optional	4	31T	750	1996-94	6.0L Optional 6.0L, 7.0L 7.0L Optional		31T 78 31T	625 600 625	1998	3.9L	2	31T	750
	12.7L Optional	4	31T	625	1996	6.6L 6.6L Optional		31T 31T	625 625	W5500 Tiltmaster				
	12.7L Optional	4	31T	750	1995-94	6.6L 6.6L		31T 31T	750 750	2009-05	5.2L 5.2L Optional	2,3 2,3	31T 31T	700 750
	14.0L Optional	4	31T	625	1994	6.0L Optional 7.0L Optional		78 78	750 750					
	14.0L Optional	4	31T	750	C7500 Kodiak									
	14.6L Optional	4	31T	625	2009-99	7.2L Optional 7.2L, 7.8L	2,3 2,3	31T 31T	750 700					
	14.6L Optional	4	31T	750	2009-97	6.0L, 7.0L, 7.4L, 8.1L		78 78	600 750					
	12.0L Optional	4	31T	625	2009-05	7.2L, 7.8L	3	31T	750					
	12.0L Optional	4	31T	750	2009-03	7.8L Optional	2,3	31T	750					
					2009-01	8.1L Optional	2	31T	700					
					2009	8.1L Optional	2	78	750					
					2007	8.1L		48	730					
					2000-99	7.4L Optional		31T	625					
					1998-97	6.0L Optional 6.0L Optional 6.6L 7.0L Optional		31T 78 31T 31T	625 750 750 625					
					C70 Kodiak									
					1996-95	6.0L Optional 6.6L Optional 7.0L Optional		78 31T 78	770 900 770					
					1996-94	6.0L Optional 6.0L, 7.0L 7.0L Optional		31T 78 31T	625 600 625					
					1996	6.6L 6.6L Optional		31T 31T	625 625					
					1995-94	6.6L 6.6L		31T 31T	750 750					
					1994	6.0L Optional 7.0L Optional		78 78	750 750					
					C7500 Kodiak									
					2009-99	7.2L Optional 7.2L, 7.8L	2,3 2,3	31T 31T	750 700					
					2009-97	6.0L, 7.0L, 7.4L, 8.1L		78 78	600 750					
					2009-05	7.2L, 7.8L	3	31T	750					
					2009-03	7.8L Optional	2,3	31T	750					

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
CHEVROLET (Cont.)					FORD (Cont.)					FORD (Cont.)				
Medium Duty (Cont.)					Class 8 Truck (Cont.)					Class 8 Truck (Cont.)				
W5500 Tiltmaster (Cont.)					L 9000 (Cont.)					LTA 9000 (Cont.)				
2008-05	5.2L	2	31T	750	1994	10.5L Optional	2	31T	900	1996-94	12.7L Optional	2	31T	900
2004-00	4.8L		78	600	LA 9000						14.6L Optional	2	31T	900
	4.8L Optional		31T	700	1996-94	ALL	3	31T	655	1995-94	10.0L Optional	2	31T	900
	4.8L Optional	2	31T	700		11.1L Optional	2	31T	900	1994	10.5L Optional	2	31T	900
	4.8L Optional		78	750	1994	14.6L Optional	2	31T	900	LTL 9000				
W5500HD Tiltmaster						10.5L Optional	2	31T	900	1996-94	ALL	3	31T	655
2009-05	5.2L	2,3	31T	700	LL 9000						10.8L Optional	2	31T	900
	5.2L Optional	2,3	31T	750	1996-94	ALL	3	31T	655		14.6L Optional	2	31T	900
2008-05	5.2L	2,3	31T	750		10.8L Optional	2	31T	900	1995-94	10.0L Optional	2	31T	900
2004	4.8L		78	600		14.6L Optional	2	31T	900	LTLA 9000				
	4.8L Optional		31T	700	LLA 9000					1996-94	ALL	3	31T	655
	4.8L Optional	2	31T	700	1996-94	ALL	3	31T	655		10.8L Optional	2	31T	900
	4.8L Optional		78	750		10.8L Optional	2	31T	900		11.1L Optional	2	31T	900
CRANE CARRIER						11.1L Optional	2	31T	900		12.7L Optional	2	31T	900
Class 8 Refuse						14.6L Optional	2	31T	900	1995-94	10.0L Optional	2	31T	900
LCF Chassis					1995-94	10.0L Optional	2	31T	900	LTL 9000				
2007-04	ALL	2	31T	925	LTS 9000					1996-94	ALL	3	31T	655
LDT 2 Chassis					1996-94	ALL	3	31T	655		10.8L Optional	2	31T	900
2009-04	ALL	2	31T	925		10.8L Optional	2	31T	900		11.1L Optional	2	31T	900
LET 2 Chassis						11.1L Optional	2	31T	900		12.7L Optional	2	31T	900
2009-04	ALL	2	31T	925		14.6L Optional	2	31T	900	1995-94	10.0L Optional	2	31T	900
NYC Model					1995-94	10.0L Optional	2	31T	900	LTS 8000				
1996-94	ALL	2	31T	925	LN 9000					1995-94	ALL	2	64	535
DIAMOND REO					1996-94	ALL	3	31T	655	LTS 9000				
Class 8 Truck						14.6L Optional	2	31T	900	1996-94	ALL	3	31T	655
12064DD					1994	10.5L Optional	2	31T	900		10.8L Optional	2	31T	900
1997-94	ALL	3	31T	700	LNT 8000						11.1L Optional	2	31T	900
C11664D					1996-94	ALL	2	64	535		12.7L Optional	2	31T	900
1997-94	ALL	3	31T	700	LNT 9000						14.6L Optional	2	31T	900
E-ONE					1996-94	ALL	3	31T	655	1995-94	10.0L Optional	2	31T	900
Class 8 Fire/Crash						10.8L Optional	2	31T	900	1994	10.5L Optional	2	31T	900
Crash Titan					1995-94	10.0L Optional	2	31T	900	Medium Duty				
2001-94	ALL	4	31T	650	1994	10.5L Optional	2	31T	900	CF7000				
Cyclone					Louisville					1997-94	ALL	2	64	535
1996-94	ALL	4	31T	650	1997-96	10.8L, 11.1L, 12.7L, 14.0L	2	31T	655	CF8000				
Cyclone II						11.1L Optional	2	31T	900	1997-94	ALL	2	64	535
2009-96	ALL	4	31T	650		12.7L Optional	2	31T	900	F600				
Hurricane					1997	10.8L Optional	2	31T	900	1994	5.9L	2	64	535
2009-94	ALL	4	31T	650	1994	10.3L Optional	2	31T	900		7.0L		62	380
Hush						10.3L, 10.5L, 11.1L, 12.0L, 12.7L, 14.6L	2	31T	655		7.0L Optional		64	535
2009-02	ALL	4	31T	650		10.5L Optional	2	31T	900	F650				
Protector						11.1L Optional	2	31T	900	2012-08	6.7L Optional	2,3	31T	900
1996-94	ALL	4	31T	650		12.0L Optional	2	31T	900	2012-00	ALL	2,3	31T	625
Quest						12.7L Optional	2	31T	900		7.2L Optional	2,3	31T	900
2010-07	ALL	4	31T	650		14.6L Optional	2	31T	900	2008-04	6.0L Optional	2,3	31T	900
Typhoon						7.2L	2,3	31T	625	2008-00	5.9L Optional	2,3	31T	900
2009-02	ALL	4	31T	650		7.2L Optional	2,3	31T	900	2003-00	7.3L Optional	2,3	31T	900
FORD						8.3L	2	64	535	F700				
Class 8 Truck					LS 8000					1998-94	7.0L		62	380
Aeromax					1995-94	ALL	2	64	535		7.0L Optional		64	535
1997-96	ALL	2	31T	655	LS 9000					1997-94	5.9L	2	64	535
	11.1L Optional	2	31T	900	1996-94	ALL	3	31T	625	F750				
1997	10.3L Optional	2	31T	900		11.1L Optional	2	31T	900	2012-09	7.2L Optional	3	31T	625
	10.5L Optional	2	31T	900		14.6L Optional	2	31T	900	2012-08	6.7L Optional	3	31T	900
	10.8L Optional	2	31T	900	1994	10.5L Optional	2	31T	900	2012-00	ALL	3	31T	625
	12.0L Optional	2	31T	900	LT 8000						7.2L Optional	3	31T	900
	12.7L Optional	2	31T	900	1996-94	ALL	2	64	535	2008-04	6.0L Optional	3	31T	900
	14.6L Optional	2	31T	900	LT 9000					2008-00	5.9L Optional	3	31T	900
Cargo					1996-94	ALL	3	31T	655	2003-00	7.3L Optional	3	31T	900
1997-94	ALL		62	380		10.8L Optional	2	31T	900	F800				
	7.0L Optional		64	535		11.1L Optional	2	31T	900	1999-94	5.9L, 8.3L	2	64	535
L 9000						12.7L Optional	2	31T	900	1998-97	7.0L		62	380
1996-94	ALL	3	31T	625		14.6L Optional	2	31T	900		7.0L Optional		64	535
	10.3L Optional	2	31T	900	1995-94	10.0L Optional	2	31T	900	LCF				
	11.1L Optional	2	31T	900	1994	10.5L Optional	2	31T	900	2010-06	ALL	2	31T	900
	14.6L Optional	2	31T	900	LTA 9000						4.5L Optional	4	31T	925
1994	10.0L Optional	2	31T	900	1996-94	ALL	3	31T	655	LN				
						10.8L Optional	2	31T	900	1997	ALL	2	64	535
						11.1L Optional	2	31T	900	LN7000				
										1997-94	ALL	2	64	535

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
FORD (Cont.)					FREIGHTLINER (Cont.)					GMC (Cont.)				
Medium Duty (Cont.)					Medium Duty					Medium Duty (Cont.)				
LN8000					Cargo					C6000 Topkick				
1997-94	ALL	2	64	535	2003-99	ALL	4	31T	750	1996-95	6.0L Optional 6.6L Optional 7.0L Optional		78 31T 78	770 900 770
FREIGHTLINER					2004-00	ALL	3	31T	750	1996-94	6.0L Optional 6.0L, 7.0L 7.0L Optional		31T 78 31T	625 600 625
Class 8 Truck					FC70					1996	6.6L 6.6L Optional 6.6L		31T 31T 31T	625 750 750
112					2003-99	ALL	3	31T	750	1995-94	6.0L Optional 6.0L, 7.0L		78 78	750 750
1996-94	ALL	3,4	31T	750	FC70 Cargo					1994	6.0L Optional 7.0L Optional		78 78	750 750
112SD					2003-99	ALL	3	31T	750	C6500 Topkick				
1996-94	ALL	3,4	31T	750	FC80 Cargo					2009-97	6.0L, 7.0L, 7.4L, 8.1L		78	600
120					2004-95	ALL	3	31T	750	2009-05	7.2L Diesel	3	31T	750
1996-94	ALL	3,4	31T	750	FL50					2009-03	7.2L Optional 7.2L, 7.8L	2,3 2,3	31T 31T	750 700
120SD					2004-94	ALL	3	31T	750		7.8L Optional 8.1L Optional 8.1L Optional	2,3 2 2	31T 31T 31T	750 700 700
1996-94	ALL	3,4	31T	750	FL60					2009	7.8L Diesel 8.1L	2 48	48 31T	730 615
132					2003-94	ALL	3	31T	750	2008-05	7.8L Diesel	3	31T	750
1996-94	ALL	3	31T	750	FS65					2002-99	7.2L Optional 7.2L Optional		31T 31T	750 900
Argosy					2006-96	ALL	3	31T	750	2002-97	6.6L, 7.2L		31T	625
2006-97	ALL	4	31T	750	M2 106					2002-01	8.1L Optional 8.1L Optional		78 78	625 770
Cargo					2012-03	ALL	4	31T	750	2000-99	7.4L Optional 7.4L Optional		31T 78	625 770
2011-03	ALL	4	31T	750	M2 112					1998-97	6.0L Optional 6.0L Optional 6.6L Optional 6.6L Optional 7.0L Optional 7.0L Optional		31T 31T 31T 31T 31T 31T	625 770 750 900 625 625
Cascadia					2012-09	ALL	4	31T	750		7.8L Diesel		78	750
2013-07	ALL	4	31T	750	MB60						7.8L Diesel		48	730
Century					1994	ALL	3	31T	750		8.1L		48	615
2011-03	ALL	4	31T	750	MB70						7.2L Diesel		31T	750
Century 112					1994	ALL	3	31T	750		7.2L Optional		31T	900
1996	ALL	3	31T	750	MT35						6.6L, 7.2L		31T	625
Century 120					2005-00	ALL	3	31T	750		8.1L Optional 8.1L Optional		78 78	625 770
1996	ALL	3	31T	750	MT45						7.4L Optional 7.4L Optional		31T 78	625 770
Classic					2005-00	ALL	3	31T	750		6.0L Optional 6.0L Optional 6.6L Optional 6.6L Optional 7.0L Optional 7.0L Optional		31T 31T 31T 31T 31T 31T	625 770 750 900 625 625
2009-03	ALL	4	31T	750	GMC						7.8L Diesel		78	750
COE					Class 8 Truck						7.8L Diesel		78	750
1996-94	ALL	3	31T	750	C8500 Topkick						7.0L Optional 7.0L Optional		31T 78	625 770
Columbia					2009-03	7.2L, 7.8L 7.8L Optional 8.1L 8.1L Optional 8.1L Optional	2,3 2,3 2 2,3	31T 31T 78 31T 31T	700 750 600 700 750	C7000 Topkick				
2011-03	ALL	4	31T	750	Medium Duty					1996-95	6.0L Optional 6.6L Optional 7.0L Optional		78 31T 78	770 900 770
Condor					B7					1996-94	6.0L Optional 6.0L, 7.0L, 7.4L, 8.1L		31T 31T	625 600
2005-03	ALL	4	31T	750	2002-98	6.6L, 7.2L 7.2L Optional		31T 31T	625 750		7.0L Optional		78	600
Coronado					2002-94	6.0L, 6.5L, 7.0L, 7.4L, 8.1L		78 31T	600 625		6.6L Optional 6.6L		31T 31T	750 750
2013-03	ALL	4	31T	750	2002-01	8.1L Optional 8.1L Optional		31T 78	625 770		7.0L Optional 7.0L Optional		31T 31T	625 750
Coronado SD					2000-99	7.4L Optional 6.0L Optional		31T 31T	625 625		7.8L Optional 8.1L Optional 8.1L Optional		31T 31T 31T	750 700 750
2013-10	ALL	4	31T	750	1998-94	6.0L Optional 6.0L Optional 7.0L Optional 7.0L Optional 6.6L Optional 6.6L		31T 31T 31T 31T 31T 31T	750 770 770 770 750 750	C7500 Topkick				
Fire Truck					C4500 Topkick					2009-97	6.0L, 7.0L, 7.4L, 8.1L		78	600
2013-99	ALL	4	31T	750	2009-03	6.6L 6.6L Optional 8.1L 8.1L Optional 8.1L Optional	2,3 2,3 2 2 2	31T 31T 31T 31T 31T	700 750 600 700 750	2009-05	7.2L Diesel	3	31T	750
FL106					2002-01	8.1L Optional 8.1L Optional		31T 78	625 770	2009-03	7.2L Optional 7.2L, 7.8L	2,3 2,3	31T 31T	750 700
2008-94	ALL	3	31T	750	2000-99	7.4L Optional 6.0L Optional		31T 31T	625 625		7.8L Optional 8.1L Optional 8.1L Optional	2,3 2 2	31T 31T 31T	750 700 750
FL112					1998	6.6L Optional 6.6L		31T 31T	750 750	2009	7.8L Diesel 8.1L	2 48	48 31T	730 615
2008-94	ALL	3	31T	750	C5500 Topkick					2008-05	7.8L Diesel	3	31T	750
FL70					2009-03	6.6L 6.6L Optional 8.1L 8.1L Optional 8.1L Optional	2,3 2,3 2 2 2	31T 31T 31T 31T 31T	700 750 600 700 750	2002-99	7.2L Optional 7.2L Optional		31T 31T	900 625
2006-98	ALL	3	31T	750	2009	6.6L Diesel 8.1L	2 48	48 31T	730 615	2002-97	6.6L, 7.2L		31T	625
FL80					2008-05	6.6L Diesel	3	31T	750	2002-01	8.1L Optional 8.1L Optional		78 78	770 770
2003-94	ALL	3	31T	750	C6500 Topkick					2000-99	7.4L Optional 7.4L Optional		31T 78	625 770
FL90					2009-03	6.6L 6.6L Optional 8.1L 8.1L Optional 8.1L Optional	2,3 2,3 2 2 2	31T 31T 31T 31T 31T	700 750 600 700 750	1998-97	6.0L Optional 6.0L Optional 6.6L Optional 6.6L Optional 7.0L Optional 7.0L Optional		31T 31T 31T 31T 31T 31T	625 770 750 900 625 625
1996-95	ALL	3	31T	750	2009	6.6L Diesel 8.1L	2 48	48 31T	730 615		7.8L Diesel		78	750
FLD SD					2008-05	6.6L Diesel	3	31T	750	T6500				
2009-07	ALL	4	31T	750	C8500 Topkick					2009-04	7.8L 7.8L Optional	2,3 2,3	31T 31T	700 750
FLD112 REV					2009	6.6L Diesel 8.1L	2 48	48 31T	730 615	2009	7.8L Diesel	2	48	770
1996-95	ALL	4	31T	750	2008-05	6.6L Diesel	3	31T	750					
FLD120														
1996-94	ALL	3	31T	750										
FLD120SD														
1996	ALL	3	31T	750										
M2														
2013-03	ALL	4	31T	750										
MB80														
1996-94	ALL	3	31T	750										
Severe-Duty FLD														
2009-03	ALL	4	31T	750										

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
GMC (Cont.)					GMC (Cont.)					HME (Cont.)				
Medium Duty (Cont.)					Medium Duty (Cont.)					Class 8 Truck (Cont.)				
T6500 (Cont.)					W5500 Forward (Cont.)					MT-643				
2008-05	7.8L Diesel	3	31T	750	2004-00	4.8L Optional	2	31T	700	2004-94	ALL	4	31T	925
2002-99	7.8L Optional		31T	750		4.8L Optional		78	750	MT-647				
	7.8L Optional		31T	900	W5500HD Forward					2004-94	ALL	4	31T	925
2002-98	7.2L Optional		31T	750	2009-05	5.2L	2,3	31T	700	VT-100				
	7.2L Optional		31T	900		5.2L Optional	2,3	31T	750	2002-94	ALL	4	31T	925
2002-97	6.6L, 7.2L, 7.8L		31T	625	2004	4.8L		78	600	INTERNATIONAL				
1998-97	6.0L		31T	600		4.8L Optional		31T	700	Class 8 Truck				
	6.0L Optional		31T	625		4.8L Optional	2	31T	700	4200				
	6.6L Optional		31T	750		4.8L Optional		78	750	2006-03	ALL	4	31T	650
	6.6L Optional		31T	900	HINO						6.0L Optional	4	31T	925
T7500					Medium Duty					4300				
2009-04	7.8L	2,3	31T	700	145					2006-03	ALL	4	31T	650
	7.8L Optional	2,3	31T	750	2010-05	ALL	2	31T	625		7.6L Optional	4	31T	925
2009	7.8L Diesel	2	48	770	155					4400				
2008-05	7.8L Diesel	3	31T	750	2013	ALL	2	31T	625	2006-03	ALL	4	31T	650
2002-99	7.8L Optional		31T	750	165						7.6L Optional	4	31T	925
	7.8L Optional		31T	900	2010-05	ALL	2	31T	625		9.3L Optional	4	31T	925
2002-98	7.2L Optional		31T	750	185					4400 Fire Truck				
	7.2L Optional		31T	900	2010-05	ALL	2	31T	625	2008-99	10.8L	4	31T	650
2002-97	6.6L, 7.2L, 7.8L		31T	625	195						10.8L Optional	4	31T	925
1998-97	6.0L		78	600	2013	ALL	2	31T	625	2000-99	10.8L	2	31T	550
	6.0L Optional		31T	625	238					4700				
	6.0L Optional		31T	770	2012-05	ALL	2	31T	625	2004-97	ALL	4	31T	650
	6.6L Optional		31T	750	258ALP						7.6L Optional	4	31T	925
	6.6L Optional		31T	900	2013-08	ALL	2	31T	625	4900				
W3500 Forward					258LP					2004-97	ALL	4	31T	650
2008-05	5.2L	2,3	31T	700	2013-06	ALL	2	31T	625		7.6L Optional	4	31T	925
	5.2L Diesel	2	48	700	268					5500				
	5.2L Optional	2	31T	750	2013-05	ALL	2	31T	625	2013-03	ALL	4	31T	650
	6.0L Gas	2	48	700	268A						10.8L Optional	4	31T	925
2008-04	6.0L Optional		31T	700	2013-08	ALL	2	31T	625		15.0L Optional	4	31T	925
	6.0L Optional	2	31T	700	308					2009-07	8.9L Optional	4	31T	925
	6.0L Optional		78	750	2007	ALL	2	31T	625	5600				
2008-00	4.8L, 5.7L, 6.0L		78	600	338					2013-04	ALL	4	31T	650
2004-00	4.8L Optional		31T	700	2013-05	ALL	2	31T	625		10.8L Optional	4	31T	925
	4.8L Optional	2	31T	700	338CT						15.0L Optional	4	31T	925
	4.8L Optional		78	750	2013-08	ALL	2	31T	625	2009-07	8.9L Optional	4	31T	925
2003-00	5.7L Optional		31T	700	FA					5900				
	5.7L Optional	2	31T	700	2004-01	5.3L	2	31T	325	2013-03	ALL	4	31T	650
	5.7L Optional		78	750	2000-94	3.8L, 5.3L	2	31T	625		10.8L Optional	4	31T	925
1999-95	4.8L, 5.7L		71	390	FB					2009-07	8.9L Optional	4	31T	925
	5.7L Optional		31T	630	2004-01	5.3L	2	31T	325	7300				
	5.7L Optional		74	550	2000-94	3.8L, 5.3L	2	31T	625	2013-08	10.5L Optional	4	31T	925
	5.7L Optional		78	540	FD						10.5L, 12.4L	4	31T	650
1999	4.8L Optional		31T	630	2004-01	8.0L	2	31T	325		12.4L Optional	4	31T	925
	4.8L Optional		74	550	2000-94	6.5L, 8.0L	2	31T	625	2006-03	7.6L	4	31T	650
	4.8L Optional		78	540	FE						7.6L Optional	4	31T	925
1998-95	3.9L	2	31T	750	2004-01	8.0L	2	31T	325	7400				
W4500 Forward					2000-94	6.5L, 8.0L	2	31T	625	2013-08	10.5L Optional	4	31T	925
2008-05	5.2L	2,3	31T	700	FF						12.4L Optional	4	31T	925
	5.2L Diesel	3	31T	750	2004	8.0L	2	31T	325	2013-03	ALL	4	31T	650
	5.2L Optional	2,3	31T	750	2002-01	8.0L	2	31T	325		7.6L Optional	4	31T	925
2008-03	6.0L Optional		31T	700	2000-94	6.5L, 8.0L	2	31T	625		9.3L Optional	4	31T	925
	6.0L Optional	2	31T	700	SG					7500				
	6.0L Optional		78	750	2004-01	8.0L	2	31T	325	2013-08	10.5L Optional	4	31T	925
2008-00	4.8L, 5.7L, 6.0L		31T	600	2000-94	6.5L, 8.0L	2	31T	625		12.4L Optional	4	31T	925
2004-00	4.8L Optional		31T	700	HME					2013-03	ALL	4	31T	650
	4.8L Optional	2	31T	700	Class 8 Truck						10.8L Optional	4	31T	925
	4.8L Optional		78	750	1871						11.2L Optional	4	31T	925
2002-00	5.7L Optional		31T	700	Fire Truck						12.5L Optional	4	31T	925
	5.7L Optional	2	31T	700	2004-94	ALL	4	31T	925	7700				
1999-98	4.8L, 5.7L		71	390	HT-700					2013-08	10.5L Optional	4	31T	925
	5.7L Optional		31T	630	2004-94	ALL	4	31T	925		12.4L Optional	4	31T	925
	5.7L Optional		74	550	MD-3060					2013-06	ALL	4	31T	650
	5.7L Optional		78	540	2004-94	ALL	4	31T	925		10.8L Optional	4	31T	925
1999	4.8L Optional		31T	630										
	4.8L Optional		74	550										
	4.8L Optional		78	540										
1998	3.9L	2	31T	750										
W5500 Forward														
2009-05	5.2L	2,3	31T	700										
	5.2L Optional	2,3	31T	750										
2004-00	4.8L		78	600										
	4.8L Optional		31T	700										

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
INTERNATIONAL (Cont.)					INTERNATIONAL (Cont.)					ISUZU (Cont.)				
Class 8 Truck (Cont.)					Medium Duty (Cont.)					Medium Duty (Cont.)				
7700 (Cont.)					4000					H				
2013-06	11.2L Optional 12.5L Optional	4 4	31T 31T	925 925	2009-94	ALL 7.6L Optional	4 4	31T 31T	650 925	2008-05	ALL	2	31T	750
8500					2009-02	6.0L Optional	4	31T	925	HTR				
2013-04	ALL	4	31T	650	2007-05	9.3L Optional	4	31T	925	2008-05	ALL	2	31T	750
8600					2005-94	8.7L Optional	4	31T	925	HVR				
2013-03	ALL	4	31T	650	2005	6.7L Optional	4	31T	925	2008-05	ALL	2	31T	750
9200					2002-94	7.3L Optional	4	31T	925	N				
2008-97	ALL	4	31T	650	2001-00	6.7L Optional	4	31T	925	2008-94	3.9L, 4.8L, 5.2L, 6.5L	2	31T	750
9400					1995-94	6.7L Optional	4	31T	925	2008-06	6.0L	2	31T	630
2009-99	ALL	4	31T	650	1994	5.9L Optional	4	31T	925	2005-94	5.7L, 6.0L	2	24	630
9900					4100					NPR				
2009-03	10.8L, 12.5L, 14.0L, 15.0L, 15.1L, 15.8L 15.0L Optional	4 4 4 4	31T 31T 31T 31T	650 925 925 925	2012-06	ALL 6.0L Optional	4 4	31T 31T	650 925	2008-94	3.9L, 4.8L, 5.2L	2	31T	750
2008-03	12.5L Optional 14.0L Optional 15.1L Optional 15.8L Optional	4 4 4 4	31T 31T 31T 31T	925 925 925 925	4200					2008-06	6.0L	2	31T	630
2007-06	12.5L, 14.0L, 15.0L, 15.1L, 15.8L	4	31T	925	2007-02	ALL 6.0L Optional	4 4	31T 31T	650 925	2005-94	5.7L, 6.0L	2	24	630
2005-03	10.8L Optional	4	31T	925	4200LP					NPR-HD				
LoneStar					2007-03	ALL 6.0L Optional	4 4	31T 31T	650 925	2013-99	4.8L, 5.2L	2	31T	750
2013-08	ALL 10.5L Optional 12.4L Optional 15.0L Optional 15.1L Optional	4 4 4 4 4	31T 31T 31T 31T 31T	650 925 925 925 925	4300					2008-06	5.7L, 6.0L	2	31T	630
ProStar					2012-02	ALL 7.6L Optional	4 4	31T 31T	650 925	2005-99	5.7L, 6.0L	2	24	630
2013-07	ALL	4	31T	650	4300LP					NQR				
Medium Duty					2012-02	ALL 7.6L Optional	4 4	31T 31T	650 925	NRR				
1000					4400					2012-05	5.2L	2	31T	750
2002-94	ALL 7.3L Optional 5.9L Optional	4 4 4	31T 31T 31T	650 925 925	2012-02	ALL 7.6L Optional	4 4	31T 31T	650 925	1994	6.5L	2	31T	750
1652SC					4400LP					KENWORTH				
2012-06	6.0L Optional	4	31T	925	2012-02	ALL 7.6L Optional	4 4	31T 31T	650 925	Class 8 Truck				
2012-00	ALL	4	31T	650	2007-05	9.3L Optional	4	31T	925	548				
2005-00	7.3L Optional	4	31T	925	2005-02	8.7L Optional	4	31T	925	1996-94	10.0L Opt. 12-volt	2	31T	925
2000					7000						10.0L Opt. 12-volt	3	31T	700
2002-95	8.7L Optional	4	31T	925	2006-05	9.3L Optional	4	31T	925		10.0L Opt. 12-volt	3	31T	750
2002-94	ALL 7.6L Optional	4 4	31T 31T	650 925	2006-02	ALL 7.6L Optional	4 4	31T 31T	650 925		10.0L Opt. 12-volt	3	31T	900
2554					2005-02	8.7L Optional	4	31T	925		10.0L Opt. 12-volt	4	31T	550
2002-00	ALL 7.6L Optional 8.7L Optional	 4 4	31T 31T 31T	650 925 925	7300						10.0L Opt. 12-volt	4	31T	625
3000					7400						10.0L Opt. 6-volt	4	4	940
2006-94	ALL 7.6L Optional	4 4	31T 31T	650 925	2006-05	9.3L Optional	4	31T	925		10.0L Std. 12-volt	3	31T	625
2006-02	6.0L Optional	4	31T	925	2006-02	ALL 7.6L Optional	4 4	31T 31T	650 925		10.0L Std. 12-volt	3	31T	700
2004-94	7.3L Optional	4	31T	925	2005-02	8.7L Optional	4	31T	925		14.0L Opt. 12-volt	3	31T	900
2004-01	8.7L Optional	4	31T	925	7500						14.0L Opt. 12-volt	4	31T	550
1999-97	8.7L Optional	4	31T	925	2006-05	9.3L Optional	4	31T	925		14.0L Opt. 12-volt	4	31T	625
1995-94	6.7L Optional	4	31T	925	2006-03	ALL	4	31T	650		14.0L Opt. 12-volt	4	31T	625
1994	5.9L Optional	4	31T	925	2004-03	8.7L Optional	4	31T	925		14.0L Opt. 6-volt	4	4	940
3200					CF						14.0L Std. 12-volt	3	31T	625
2011-02	ALL 6.0L Optional	4 4	31T 31T	650 925	2009-05	ALL	2	31T	925		14.0L Std. 12-volt	2	31T	925
2006-02	7.6L Optional	4	31T	925	ISUZU						12.1L Opt. 12-volt	3	31T	700
2004-03	8.7L Optional	4	31T	925	Medium Duty						12.1L Opt. 12-volt	3	31T	750
3300					F						12.1L Opt. 12-volt	3	31T	900
2011-05	ALL 6.0L Optional	4 4	31T 31T	650 925	2008-94	ALL	2	31T	750		12.1L Opt. 12-volt	4	31T	550
3400					FRR						12.1L Opt. 12-volt	4	31T	625
2002-96	ALL 7.3L Optional	4 4	31T 31T	650 925	2004-00	7.8L	2	31T	750		12.1L Opt. 12-volt	4	31T	940
3800					1998-95	7.1L	2	31T	750		12.1L Opt. 12-volt	3	31T	750
2004-00	ALL 7.3L Optional 7.6L Optional	4 4 4	31T 31T 31T	650 925 925	FSR						12.1L Opt. 6-volt	4	4	940
					2002-94	ALL	2	31T	750		12.1L Std. 12-volt	3	31T	625
					FTR						14.6L Opt. 12-volt	2	31T	925
					2012-94	ALL	2	31T	750		14.6L Opt. 12-volt	3	31T	700
					FVR						14.6L Opt. 12-volt	3	31T	750
					2012-94	ALL	2	31T	750		14.6L Opt. 12-volt	4	31T	900
					FXR						14.6L Opt. 12-volt	4	31T	550
					2012-07	ALL	2	31T	750		14.6L Opt. 12-volt	4	31T	625
											14.6L Opt. 6-volt	4	4	940
											14.6L Std. 12-volt	3	31T	625

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
KENWORTH (Cont.)					KENWORTH (Cont.)					KENWORTH (Cont.)				
Class 8 Truck (Cont.)					Class 8 Truck (Cont.)					Class 8 Truck (Cont.)				
750					950 (Cont.)					C500 (Cont.)				
1994	14.6L Opt. 12-volt	2	31T	925	1996-94	17.9L Opt. 12-volt	3	31T	900	1996-94	12.7L Opt. 12-volt	4	31T	625
	14.6L Opt. 12-volt	3	31T	700		17.9L Opt. 12-volt	4	31T	550		12.7L Opt. 6-volt	4	4	940
	14.6L Opt. 12-volt	3	31T	750		17.9L Opt. 12-volt	4	31T	625		12.7L Std. 12-volt	3	31T	625
	14.6L Opt. 12-volt	3	31T	900		17.9L Opt. 6-volt	4	4	940		14.0L Opt. 12-volt	2	31T	925
	14.6L Opt. 12-volt	4	31T	550		17.9L Std. 12-volt	3	31T	625		14.0L Opt. 12-volt	3	31T	700
	14.6L Opt. 12-volt	4	31T	625		9.1L Opt. 12-volt	2	31T	925		14.0L Opt. 12-volt	3	31T	750
	14.6L Opt. 6-volt	4	4	940		9.1L Opt. 12-volt	3	31T	700		14.0L Opt. 12-volt	3	31T	900
	14.6L Std. 12-volt	3	31T	625		9.1L Opt. 12-volt	3	31T	750		14.0L Opt. 12-volt	4	31T	550
850						9.1L Opt. 12-volt	3	31T	900		14.0L Opt. 12-volt	4	31T	625
1996-94	10.0L Opt. 12-volt	2	31T	925		9.1L Opt. 12-volt	4	31T	550		14.0L Opt. 6-volt	4	4	940
	10.0L Opt. 12-volt	3	31T	700		9.1L Opt. 12-volt	4	31T	625		14.0L Std. 12-volt	3	31T	625
	10.0L Opt. 12-volt	3	31T	750		9.1L Opt. 6-volt	4	4	940		14.6L Opt. 12-volt	2	31T	925
	10.0L Opt. 12-volt	3	31T	900		9.1L Std. 12-volt	3	31T	625		14.6L Opt. 12-volt	3	31T	700
	10.0L Opt. 12-volt	4	31T	550	1995-94	12.1L Opt. 12-volt	2	31T	925		14.6L Opt. 12-volt	3	31T	750
	10.0L Opt. 12-volt	4	31T	625		12.1L Opt. 12-volt	3	31T	700		14.6L Opt. 12-volt	3	31T	900
	10.0L Opt. 6-volt	4	4	940		12.1L Opt. 12-volt	3	31T	750		14.6L Opt. 12-volt	4	31T	550
	10.0L Std. 12-volt	3	31T	625		12.1L Opt. 12-volt	3	31T	900		14.6L Opt. 12-volt	4	31T	625
	14.0L Opt. 12-volt	2	31T	925		12.1L Opt. 12-volt	4	31T	550		14.6L Opt. 6-volt	4	4	940
	14.0L Opt. 12-volt	3	31T	700		12.1L Opt. 12-volt	4	31T	625		14.6L Std. 12-volt	3	31T	625
	14.0L Opt. 12-volt	3	31T	750		12.1L Opt. 6-volt	4	4	940		17.9L Opt. 12-volt	2	31T	925
	14.0L Opt. 12-volt	3	31T	900		12.1L Std. 12-volt	3	31T	625		17.9L Opt. 12-volt	3	31T	700
	14.0L Opt. 12-volt	4	31T	550	1994	14.6L Opt. 12-volt	2	31T	925		17.9L Opt. 12-volt	3	31T	900
	14.0L Opt. 12-volt	4	31T	625		14.6L Opt. 12-volt	3	31T	700		17.9L Opt. 12-volt	4	31T	550
	14.0L Opt. 6-volt	4	4	940		14.6L Opt. 12-volt	3	31T	750		17.9L Opt. 12-volt	4	31T	625
	14.0L Std. 12-volt	3	31T	625		14.6L Opt. 12-volt	3	31T	900		17.9L Opt. 12-volt	4	31T	940
	17.9L Opt. 12-volt	2	31T	925		14.6L Opt. 12-volt	4	31T	550		17.9L Opt. 6-volt	4	4	940
	17.9L Opt. 12-volt	3	31T	700		14.6L Opt. 12-volt	4	31T	625		17.9L Std. 12-volt	3	31T	625
	17.9L Opt. 12-volt	3	31T	750		14.6L Opt. 6-volt	4	4	940		8.3L Opt. 12-volt	2	31T	925
	17.9L Opt. 12-volt	3	31T	900		14.6L Std. 12-volt	3	31T	625		8.3L Opt. 12-volt	3	31T	700
	17.9L Opt. 12-volt	4	31T	550	ATX						8.3L Opt. 12-volt	3	31T	750
	17.9L Opt. 12-volt	4	31T	625	1996-94	14.0L Opt. 12-volt	2	31T	925		8.3L Opt. 12-volt	3	31T	900
	17.9L Opt. 6-volt	4	4	940		14.0L Opt. 12-volt	3	31T	700		8.3L Opt. 12-volt	4	31T	550
	17.9L Std. 12-volt	3	31T	625		14.0L Opt. 12-volt	3	31T	750		8.3L Opt. 12-volt	4	31T	625
	9.1L Opt. 12-volt	2	31T	925		14.0L Opt. 12-volt	3	31T	900		8.3L Opt. 6-volt	4	4	940
	9.1L Opt. 12-volt	3	31T	700		14.0L Opt. 12-volt	4	31T	550		8.3L Std. 12-volt	3	31T	625
	9.1L Opt. 12-volt	3	31T	750		14.0L Opt. 12-volt	4	31T	625		9.1L Opt. 12-volt	2	31T	925
	9.1L Opt. 12-volt	3	31T	900		14.0L Opt. 6-volt	4	4	940		9.1L Opt. 12-volt	3	31T	700
	9.1L Opt. 12-volt	4	31T	550		14.0L Std. 12-volt	3	31T	625		9.1L Opt. 12-volt	3	31T	750
	9.1L Opt. 12-volt	4	31T	625		14.6L Opt. 12-volt	2	31T	925		9.1L Opt. 12-volt	3	31T	900
	9.1L Opt. 6-volt	4	4	940		14.6L Opt. 12-volt	3	31T	700		9.1L Opt. 12-volt	4	31T	550
	9.1L Std. 12-volt	3	31T	625		14.6L Opt. 12-volt	3	31T	750		9.1L Opt. 12-volt	4	31T	625
1995-94	12.1L Opt. 12-volt	2	31T	925		14.6L Opt. 12-volt	3	31T	900	1994	9.1L Opt. 6-volt	4	4	940
	12.1L Opt. 12-volt	3	31T	700		14.6L Opt. 12-volt	4	31T	550		9.1L Std. 12-volt	3	31T	625
	12.1L Opt. 12-volt	3	31T	750		14.6L Opt. 12-volt	4	31T	625		10.5L Opt. 12-volt	2	31T	925
	12.1L Opt. 12-volt	3	31T	900		14.6L Opt. 6-volt	4	4	940		10.5L Opt. 12-volt	3	31T	700
	12.1L Opt. 12-volt	4	31T	550		14.6L Std. 12-volt	3	31T	625		10.5L Opt. 12-volt	3	31T	750
	12.1L Opt. 12-volt	4	31T	625	C500						10.5L Opt. 12-volt	3	31T	900
	12.1L Opt. 6-volt	4	4	940	2013-03	ALL	4	31T	925		10.5L Opt. 12-volt	4	31T	550
	12.1L Std. 12-volt	3	31T	625	1996-94	10.0L Opt. 12-volt	2	31T	925		10.5L Opt. 12-volt	4	31T	625
1994	14.6L Opt. 12-volt	2	31T	925		10.0L Opt. 12-volt	3	31T	700		10.5L Opt. 6-volt	4	4	940
	14.6L Opt. 12-volt	3	31T	700		10.0L Opt. 12-volt	3	31T	750		10.5L Std. 12-volt	3	31T	625
	14.6L Opt. 12-volt	3	31T	750		10.0L Opt. 12-volt	3	31T	900	Fire Truck				
	14.6L Opt. 12-volt	3	31T	900		10.0L Opt. 12-volt	4	31T	550	2001	8.9L	4	31T	925
	14.6L Opt. 12-volt	4	31T	550		10.0L Opt. 12-volt	4	31T	625	2000	8.9L	3	31T	650
	14.6L Opt. 12-volt	4	31T	625		10.0L Opt. 6-volt	4	4	940		8.9L Optional	2	31T	925
	14.6L Opt. 6-volt	4	4	940		10.0L Std. 12-volt	3	31T	625		8.9L Optional	3	31T	625
	14.6L Std. 12-volt	3	31T	625		10.3L Opt. 12-volt	2	31T	925		8.9L Optional	3	31T	750
950						10.3L Opt. 12-volt	3	31T	700		8.9L Optional	3	31T	900
1996-94	10.0L Opt. 12-volt	2	31T	925		10.3L Opt. 12-volt	3	31T	750		8.9L Optional	4	31T	550
	10.0L Opt. 12-volt	3	31T	700		10.3L Opt. 12-volt	3	31T	900	K100				
	10.0L Opt. 12-volt	3	31T	750		10.3L Opt. 12-volt	4	31T	550	1996-94	10.0L Opt. 12-volt	2	31T	925
	10.0L Opt. 12-volt	3	31T	900		10.3L Opt. 12-volt	4	31T	625		10.0L Opt. 12-volt	3	31T	700
	10.0L Opt. 12-volt	4	31T	550		10.3L Opt. 6-volt	4	4	940		10.0L Opt. 12-volt	3	31T	750
	10.0L Opt. 12-volt	4	31T	625		10.3L Std. 12-volt	3	31T	625		10.0L Opt. 12-volt	3	31T	900
	10.0L Opt. 6-volt	4	4	940		11.1L Opt. 12-volt	2	31T	925		10.0L Opt. 12-volt	4	31T	550
	10.0L Std. 12-volt	3	31T	625		11.1L Opt. 12-volt	3	31T	700		10.0L Opt. 12-volt	4	31T	625
	14.0L Opt. 12-volt	2	31T	925		11.1L Opt. 12-volt	3	31T	750		10.0L Opt. 6-volt	4	4	940
	14.0L Opt. 12-volt	3	31T	700		11.1L Opt. 12-volt	3	31T	900		10.0L Std. 12-volt	3	31T	625
	14.0L Opt. 12-volt	3	31T	750		11.1L Opt. 12-volt	4	31T	550		11.1L Opt. 12-volt	2	31T	925
	14.0L Opt. 12-volt	3	31T	900		11.1L Opt. 12-volt	4	31T	625		11.1L Opt. 12-volt	3	31T	700
	14.0L Opt. 12-volt	4	31T	550		11.1L Opt. 6-volt	4	4	940		11.1L Opt. 12-volt	3	31T	750
	14.0L Opt. 12-volt	4	31T	625		11.1L Std. 12-volt	3	31T	625		11.1L Opt. 12-volt	3	31T	900
	14.0L Opt. 6-volt	4	4	940		12.7L Opt. 12-volt	2	31T	925		11.1L Opt. 12-volt	4	31T	550
	14.0L Std. 12-volt	3	31T	625		12.7L Opt. 12-volt	3	31T	700		11.1L Opt. 12-volt	4	31T	625
	17.9L Opt. 12-volt	2	31T	925		12.7L Opt. 12-volt	3	31T	750		11.1L Opt. 6-volt	4	4	940
	17.9L Opt. 12-volt	3	31T	700		12.7L Opt. 12-volt	3	31T	900		11.1L Std. 12-volt	3	31T	625
	17.9L Opt. 12-volt	3	31T	750		12.7L Opt. 12-volt	4	31T	550		12.7L Opt. 12-volt	2	31T	925

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
KENWORTH (Cont.)					KENWORTH (Cont.)					KENWORTH (Cont.)				
Class 8 Truck (Cont.)					Class 8 Truck (Cont.)					Class 8 Truck (Cont.)				
K100 (Cont.)					On Highway Conventional (Cont.)					On Highway Conventional (Cont.)				
1996-94	12.7L Opt. 12-volt	3	31T	700	2000-98	15.0L Optional	4	31T	550	1997	15.0L Opt. 12-volt	4	31T	550
	12.7L Opt. 12-volt	3	31T	750		8.3L Optional	2	31T	925		15.0L Opt. 12-volt	4	31T	625
	12.7L Opt. 12-volt	3	31T	900		8.3L Optional	3	31T	625		15.0L Opt. 6-volt	4	4	940
	12.7L Opt. 12-volt	4	31T	550		8.3L Optional	3	31T	750		15.0L Std. 12-volt	3	31T	625
	12.7L Opt. 12-volt	4	31T	625		8.3L Optional	3	31T	900		8.3L Opt. 12-volt	2	31T	925
	12.7L Opt. 6-volt	4	4	940		8.3L Optional	4	31T	550		8.3L Opt. 12-volt	3	31T	700
	12.7L Std. 12-volt	3	31T	625		8.3L, 8.9L, 10.0L,					8.3L Opt. 12-volt	3	31T	750
	14.0L Opt. 12-volt	2	31T	925		10.3L, 10.8L,					8.3L Opt. 12-volt	3	31T	900
	14.0L Opt. 12-volt	3	31T	700		11.1L, 12.0L,					8.3L Opt. 12-volt	4	31T	550
	14.0L Opt. 12-volt	3	31T	750		12.7L, 14.0L,					8.3L Opt. 12-volt	4	31T	625
	14.0L Opt. 12-volt	3	31T	900		14.6L, 15.0L, 15.8L	3	31T	650		8.3L Opt. 6-volt	4	4	940
	14.0L Opt. 12-volt	4	31T	550	2000	14.0L	3	31T	750		8.3L Std. 12-volt	3	31T	625
	14.0L Opt. 12-volt	4	31T	625		14.0L Optional	3	31T	650	On/Off Highway Conventional				
	14.0L Opt. 6-volt	4	4	940		8.9L Optional	2	31T	925	2002-01	12.7L, 14.0L	4	31T	925
	14.0L Std. 12-volt	3	31T	625		8.9L Optional	3	31T	625	2000-98	12.7L Optional	2	31T	925
	14.6L Opt. 12-volt	2	31T	925		8.9L Optional	3	31T	750		12.7L Optional	3	31T	625
	14.6L Opt. 12-volt	3	31T	700		8.9L Optional	3	31T	900		12.7L Optional	3	31T	750
	14.6L Opt. 12-volt	3	31T	750		8.9L Optional	4	31T	550		12.7L Optional	3	31T	900
	14.6L Opt. 12-volt	3	31T	900	1997-96	11.1L Opt. 12-volt	2	31T	925		12.7L Optional	4	31T	550
	14.6L Opt. 12-volt	4	31T	550		11.1L Opt. 12-volt	3	31T	750		12.7L, 14.0L, 14.6L	3	31T	650
	14.6L Opt. 12-volt	4	31T	625		11.1L Opt. 12-volt	3	31T	900		14.0L Optional	2	31T	925
	14.6L Opt. 6-volt	4	4	940		11.1L Opt. 12-volt	4	31T	550		14.0L Optional	3	31T	625
	14.6L Std. 12-volt	3	31T	625		11.1L Opt. 12-volt	4	31T	625		14.0L Optional	3	31T	750
On Highway Conventional						11.1L Opt. 6-volt	4	4	940		14.0L Optional	3	31T	900
2003-01	8.3L, 8.9L, 10.3L,				1997	11.1L Std. 12-volt	3	31T	625		14.0L Optional	4	31T	550
	10.8L, 11.1L,					10.0L Opt. 12-volt	2	31T	925		14.6L Optional	2	31T	925
	12.0L, 12.7L,					10.0L Opt. 12-volt	3	31T	700		14.6L Optional	3	31T	625
	14.0L, 14.6L,					10.0L Opt. 12-volt	3	31T	750		14.6L Optional	3	31T	750
	15.0L, 15.8L	4	31T	925		10.0L Opt. 12-volt	3	31T	900		14.6L Optional	3	31T	900
2000-99	15.8L Optional	2	31T	925		10.0L Opt. 12-volt	4	31T	550		14.6L Optional	4	31T	550
	15.8L Optional	3	31T	625		10.0L Opt. 12-volt	4	31T	625	T2000				
	15.8L Optional	3	31T	750		10.0L Opt. 6-volt	4	4	940	2011-03	ALL	4	31T	925
	15.8L Optional	3	31T	900		10.0L Std. 12-volt	3	31T	625	T300				
	15.8L Optional	4	31T	550		10.3L Opt. 12-volt	2	31T	925	2004	ALL	4	31T	925
2000-98	10.0L Optional	2	31T	925		10.3L Opt. 12-volt	3	31T	700	T300 Class 8				
	10.0L Optional	3	31T	625		10.3L Opt. 12-volt	3	31T	750	2007-04	ALL	4	31T	925
	10.0L Optional	3	31T	750		10.3L Opt. 12-volt	3	31T	900	T400				
	10.0L Optional	3	31T	900		10.3L Opt. 12-volt	4	31T	550	1996-94	10.0L Opt. 12-volt	2	31T	925
	10.0L Optional	4	31T	550		10.3L Opt. 12-volt	4	31T	625		10.0L Opt. 12-volt	3	31T	700
	10.3L Optional	2	31T	925		10.3L Opt. 6-volt	4	4	940		10.0L Opt. 12-volt	3	31T	750
	10.3L Optional	3	31T	625		10.3L Std. 12-volt	3	31T	625		10.0L Opt. 12-volt	3	31T	900
	10.3L Optional	3	31T	750		10.8L Opt. 12-volt	2	31T	925		10.0L Opt. 12-volt	4	31T	550
	10.3L Optional	3	31T	900		10.8L Opt. 12-volt	3	31T	700		10.0L Opt. 12-volt	4	31T	625
	10.3L Optional	4	31T	550		10.8L Opt. 12-volt	3	31T	750		10.0L Opt. 6-volt	4	4	940
	10.8L Optional	2	31T	925		10.8L Opt. 12-volt	3	31T	900		10.0L Std. 12-volt	3	31T	625
	10.8L Optional	3	31T	625		10.8L Opt. 12-volt	4	31T	550		10.3L Opt. 12-volt	2	31T	925
	10.8L Optional	3	31T	750		10.8L Opt. 12-volt	4	31T	625		10.3L Opt. 12-volt	3	31T	700
	10.8L Optional	3	31T	900		10.8L Opt. 6-volt	4	4	940		10.3L Opt. 12-volt	3	31T	750
	10.8L Optional	4	31T	550		10.8L Std. 12-volt	3	31T	625		10.3L Opt. 12-volt	3	31T	900
	11.1L Optional	2	31T	925		12.7L Opt. 12-volt	2	31T	925		10.3L Opt. 12-volt	4	31T	550
	11.1L Optional	3	31T	625		12.7L Opt. 12-volt	3	31T	700		10.3L Opt. 12-volt	4	31T	625
	11.1L Optional	3	31T	750		12.7L Opt. 12-volt	3	31T	750		10.3L Opt. 6-volt	4	4	940
	11.1L Optional	3	31T	900		12.7L Opt. 12-volt	3	31T	900		10.3L Std. 12-volt	3	31T	625
	11.1L Optional	4	31T	550		12.7L Opt. 12-volt	4	31T	550		8.3L Opt. 12-volt	2	31T	925
	12.0L Optional	2	31T	925		12.7L Opt. 12-volt	4	31T	625		8.3L Opt. 12-volt	3	31T	700
	12.0L Optional	3	31T	625		12.7L Opt. 6-volt	4	4	940		8.3L Opt. 12-volt	3	31T	750
	12.0L Optional	3	31T	750		12.7L Std. 12-volt	3	31T	625		8.3L Opt. 12-volt	4	31T	550
	12.0L Optional	3	31T	900		14.0L Opt. 12-volt	2	31T	925		8.3L Opt. 12-volt	4	31T	625
	12.0L Optional	4	31T	550		14.0L Opt. 12-volt	3	31T	700		8.3L Opt. 6-volt	4	4	940
	12.7L Optional	2	31T	925		14.0L Opt. 12-volt	3	31T	750		8.3L Std. 12-volt	3	31T	625
	12.7L Optional	3	31T	625		14.0L Opt. 12-volt	3	31T	900	1994	10.5L Opt. 12-volt	2	31T	925
	12.7L Optional	3	31T	750		14.0L Opt. 12-volt	4	31T	550		10.5L Opt. 12-volt	3	31T	700
	12.7L Optional	3	31T	900		14.0L Opt. 12-volt	4	31T	625		10.5L Opt. 12-volt	3	31T	750
	12.7L Optional	4	31T	550		14.0L Opt. 6-volt	4	4	940		10.5L Opt. 12-volt	3	31T	900
	14.0L Optional	2	31T	925		14.0L Std. 12-volt	3	31T	625		10.5L Opt. 12-volt	4	31T	550
	14.0L Optional	3	31T	625		14.6L Opt. 12-volt	2	31T	925		10.5L Opt. 12-volt	4	31T	625
	14.0L Optional	3	31T	900		14.6L Opt. 12-volt	3	31T	700		10.5L Opt. 6-volt	4	4	940
	14.0L Optional	4	31T	550		14.6L Opt. 12-volt	3	31T	750		10.5L Std. 12-volt	3	31T	625
	14.6L Optional	2	31T	925		14.6L Opt. 12-volt	4	31T	550	T450				
	14.6L Optional	3	31T	625		14.6L Opt. 12-volt	4	31T	625	1996-94	10.0L Opt. 12-volt	2	31T	925
	14.6L Optional	3	31T	750		14.6L Opt. 6-volt	4	4	940		10.0L Opt. 12-volt	3	31T	700
	14.6L Optional	3	31T	900		14.6L Std. 12-volt	3	31T	625		10.0L Opt. 12-volt	3	31T	750
	14.6L Optional	4	31T	550		15.0L Opt. 12-volt	2	31T	925		10.0L Opt. 12-volt	3	31T	900
	15.0L Optional	2	31T	925		15.0L Opt. 12-volt	3	31T	700		10.0L Opt. 12-volt	4	31T	550
	15.0L Optional	3	31T	625		15.0L Opt. 12-volt	3	31T	750		10.0L Opt. 12-volt	4	31T	625
	15.0L Optional	3	31T	750		15.0L Opt. 12-volt	3	31T	900					
	15.0L Optional	3	31T	900										

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
KENWORTH (Cont.)					KENWORTH (Cont.)					KENWORTH (Cont.)				
Class 8 Truck (Cont.)					Class 8 Truck (Cont.)					Class 8 Truck (Cont.)				
T450 (Cont.)					T600 (Cont.)					T800 (Cont.)				
1996-94	10.0L Opt. 6-volt	4	4	940	1996-94	14.6L Opt. 12-volt	3	31T	700	1994	10.5L Opt. 12-volt	2	31T	925
	10.0L Std. 12-volt	3	31T	625		14.6L Opt. 12-volt	3	31T	750		10.5L Opt. 12-volt	3	31T	700
	10.3L Opt. 12-volt	2	31T	925		14.6L Opt. 12-volt	3	31T	900		10.5L Opt. 12-volt	3	31T	750
	10.3L Opt. 12-volt	3	31T	700		14.6L Opt. 12-volt	4	31T	550		10.5L Opt. 12-volt	3	31T	900
	10.3L Opt. 12-volt	3	31T	750		14.6L Opt. 12-volt	4	31T	625		10.5L Opt. 12-volt	4	31T	550
	10.3L Opt. 12-volt	3	31T	900		14.6L Opt. 6-volt	4	4	940		10.5L Opt. 12-volt	4	31T	625
	10.3L Opt. 12-volt	4	31T	550		14.6L Std. 12-volt	3	31T	625		10.5L Opt. 6-volt	4	4	940
	10.3L Opt. 12-volt	4	31T	625		10.5L Opt. 12-volt	2	31T	925		10.5L Std. 12-volt	3	31T	625
	10.3L Opt. 12-volt	4	31T	940	1994	10.5L Opt. 12-volt	3	31T	700	T953				
	10.3L Std. 12-volt	3	31T	625		10.5L Opt. 12-volt	3	31T	750	1996-94	10.3L Opt. 12-volt	2	31T	925
	14.6L Opt. 12-volt	2	31T	925		10.5L Opt. 12-volt	3	31T	900		10.3L Opt. 12-volt	3	31T	700
	14.6L Opt. 12-volt	3	31T	700		10.5L Opt. 12-volt	4	31T	550		10.3L Opt. 12-volt	3	31T	750
	14.6L Opt. 12-volt	3	31T	750		10.5L Opt. 12-volt	4	31T	625		10.3L Opt. 12-volt	3	31T	900
	14.6L Opt. 12-volt	3	31T	900		10.5L Opt. 6-volt	4	4	940		10.3L Opt. 12-volt	4	31T	550
	14.6L Opt. 12-volt	4	31T	550		10.5L Std. 12-volt	3	31T	625		10.3L Opt. 12-volt	4	31T	625
	14.6L Opt. 12-volt	4	31T	625	T660						10.3L Opt. 6-volt	4	4	940
	14.6L Opt. 12-volt	4	4	940	2013-07	ALL	4	31T	925		10.3L Std. 12-volt	3	31T	625
	14.6L Std. 12-volt	3	31T	625	T700						14.0L Opt. 12-volt	2	31T	925
	8.3L Opt. 12-volt	2	31T	925	2013-10	ALL	4	31T	925		14.0L Opt. 12-volt	3	31T	700
	8.3L Opt. 12-volt	3	31T	700	T800						14.0L Opt. 12-volt	3	31T	750
	8.3L Opt. 12-volt	3	31T	750	2013-03	ALL	4	31T	925		14.0L Opt. 12-volt	3	31T	900
	8.3L Opt. 12-volt	3	31T	900	1996-94	10.0L Opt. 12-volt	2	31T	925		14.0L Opt. 12-volt	4	31T	550
	8.3L Opt. 12-volt	4	31T	550		10.0L Opt. 12-volt	3	31T	925		14.0L Opt. 12-volt	4	31T	625
	8.3L Opt. 12-volt	4	31T	625		10.0L Opt. 12-volt	3	31T	700		14.0L Opt. 6-volt	4	4	940
	8.3L Opt. 6-volt	4	4	940		10.0L Opt. 12-volt	3	31T	750		14.0L Std. 12-volt	3	31T	625
	8.3L Std. 12-volt	3	31T	625		10.0L Opt. 12-volt	3	31T	900		14.6L Opt. 12-volt	2	31T	925
1994	10.5L Opt. 12-volt	2	31T	925		10.0L Opt. 12-volt	4	31T	550		14.6L Opt. 12-volt	3	31T	700
	10.5L Opt. 12-volt	3	31T	700		10.0L Opt. 12-volt	4	31T	625		14.6L Opt. 12-volt	3	31T	750
	10.5L Opt. 12-volt	3	31T	750		10.0L Opt. 6-volt	4	4	940		14.6L Opt. 12-volt	3	31T	900
	10.5L Opt. 12-volt	3	31T	900		10.0L Std. 12-volt	3	31T	625		14.6L Opt. 12-volt	3	31T	550
	10.5L Opt. 12-volt	4	31T	550		10.3L Opt. 12-volt	2	31T	925		14.6L Opt. 12-volt	4	31T	625
	10.5L Opt. 12-volt	4	31T	625		10.3L Opt. 12-volt	3	31T	700		14.6L Opt. 12-volt	4	31T	940
	10.5L Opt. 6-volt	4	4	940		10.3L Opt. 12-volt	3	31T	750		14.6L Opt. 6-volt	4	4	940
	10.5L Std. 12-volt	3	31T	625		10.3L Opt. 12-volt	3	31T	900		14.6L Std. 12-volt	3	31T	625
T600						10.3L Opt. 12-volt	3	31T	900		8.3L Opt. 12-volt	2	31T	925
2006-03	ALL	4	31T	925		10.3L Opt. 12-volt	4	31T	550		8.3L Opt. 12-volt	3	31T	700
1996-94	10.0L Opt. 12-volt	2	31T	925		10.3L Opt. 6-volt	4	4	940		8.3L Opt. 12-volt	3	31T	750
	10.0L Opt. 12-volt	3	31T	700		10.3L Std. 12-volt	3	31T	625		8.3L Opt. 12-volt	3	31T	900
	10.0L Opt. 12-volt	3	31T	750		10.8L Opt. 12-volt	2	31T	925		8.3L Opt. 12-volt	4	31T	550
	10.0L Opt. 12-volt	3	31T	900		10.8L Opt. 12-volt	3	31T	700		8.3L Opt. 12-volt	4	31T	625
	10.0L Opt. 12-volt	4	31T	550		10.8L Opt. 12-volt	3	31T	750		8.3L Opt. 6-volt	4	4	940
	10.0L Opt. 12-volt	4	31T	625		10.8L Opt. 12-volt	3	31T	900		8.3L Std. 12-volt	3	31T	625
	10.0L Opt. 6-volt	4	4	940		10.8L Opt. 12-volt	4	31T	550	T993				
	10.0L Std. 12-volt	3	31T	625		10.8L Opt. 12-volt	4	31T	625	1996-94	14.6L Opt. 12-volt	2	31T	925
	10.3L Opt. 12-volt	2	31T	925		10.8L Opt. 6-volt	4	4	940		14.6L Opt. 12-volt	3	31T	700
	10.3L Opt. 12-volt	3	31T	700		10.8L Std. 12-volt	3	31T	625		14.6L Opt. 12-volt	3	31T	750
	10.3L Opt. 12-volt	3	31T	750		11.1L Opt. 12-volt	2	31T	925		14.6L Opt. 12-volt	3	31T	900
	10.3L Opt. 12-volt	3	31T	900		11.1L Opt. 12-volt	3	31T	700		14.6L Opt. 12-volt	4	31T	550
	10.3L Opt. 12-volt	3	31T	950		11.1L Opt. 12-volt	3	31T	750		14.6L Opt. 12-volt	4	31T	625
	10.3L Opt. 12-volt	4	31T	550		11.1L Opt. 12-volt	3	31T	900		14.6L Opt. 6-volt	4	4	940
	10.3L Opt. 12-volt	4	31T	625		11.1L Opt. 12-volt	4	31T	550		14.6L Std. 12-volt	3	31T	625
	10.3L Opt. 6-volt	4	4	940		11.1L Opt. 12-volt	4	31T	625	W300				
	10.3L Std. 12-volt	3	31T	625		11.1L Opt. 6-volt	4	4	940	1996-94	10.3L Opt. 12-volt	2	31T	925
	11.1L Opt. 12-volt	2	31T	925		11.1L Std. 12-volt	3	31T	625		10.3L Opt. 12-volt	3	31T	700
	11.1L Opt. 12-volt	3	31T	700		12.7L Opt. 12-volt	2	31T	925		10.3L Opt. 12-volt	3	31T	750
	11.1L Opt. 12-volt	3	31T	750		12.7L Opt. 12-volt	3	31T	700		10.3L Opt. 12-volt	3	31T	900
	11.1L Opt. 12-volt	3	31T	900		12.7L Opt. 12-volt	3	31T	750		10.3L Opt. 12-volt	4	31T	550
	11.1L Opt. 12-volt	4	31T	550		12.7L Opt. 12-volt	3	31T	900		10.3L Opt. 12-volt	4	31T	625
	11.1L Opt. 12-volt	4	31T	625		12.7L Opt. 12-volt	4	31T	550		10.3L Opt. 6-volt	4	4	940
	11.1L Opt. 6-volt	4	4	940		12.7L Opt. 12-volt	4	31T	625		10.3L Std. 12-volt	3	31T	625
	11.1L Std. 12-volt	3	31T	625		12.7L Opt. 6-volt	4	4	940		8.3L Opt. 12-volt	2	31T	925
	12.7L Opt. 12-volt	2	31T	925		12.7L Std. 12-volt	3	31T	625		8.3L Opt. 12-volt	3	31T	700
	12.7L Opt. 12-volt	3	31T	700		14.0L Opt. 12-volt	2	31T	925		8.3L Opt. 12-volt	3	31T	750
	12.7L Opt. 12-volt	3	31T	750		14.0L Opt. 12-volt	3	31T	700		8.3L Opt. 12-volt	3	31T	900
	12.7L Opt. 12-volt	3	31T	900		14.0L Opt. 12-volt	3	31T	750		8.3L Opt. 12-volt	4	31T	550
	12.7L Opt. 12-volt	4	31T	550		14.0L Opt. 12-volt	3	31T	900		8.3L Opt. 12-volt	4	31T	625
	12.7L Opt. 12-volt	4	31T	625		14.0L Opt. 12-volt	4	31T	550		8.3L Opt. 6-volt	4	4	940
	12.7L Opt. 6-volt	4	4	940		14.0L Opt. 12-volt	4	31T	625		8.3L Std. 12-volt	3	31T	625
	12.7L Std. 12-volt	3	31T	625		14.0L Opt. 6-volt	4	4	940	W900				
	14.0L Opt. 12-volt	2	31T	925		14.0L Std. 12-volt	3	31T	625	2013-03	ALL	4	31T	925
	14.0L Opt. 12-volt	3	31T	700		14.6L Opt. 12-volt	2	31T	925	1996-94	10.0L Opt. 12-volt	2	31T	925
	14.0L Opt. 12-volt	3	31T	750		14.6L Opt. 12-volt	3	31T	700		10.0L Opt. 12-volt	3	31T	700
	14.0L Opt. 12-volt	4	31T	550		14.6L Opt. 12-volt	3	31T	750		10.0L Opt. 12-volt	3	31T	750
	14.0L Opt. 12-volt	4	31T	625		14.6L Opt. 12-volt	3	31T	900		10.0L Opt. 12-volt	3	31T	900
	14.0L Opt. 12-volt	4	4	940		14.6L Opt. 12-volt	4	31T	550		10.0L Opt. 12-volt	4	31T	550
	14.0L Std. 12-volt	3	31T	625		14.6L Opt. 12-volt	4	31T	625		10.0L Opt. 12-volt	4	31T	625
	14.6L Opt. 12-volt	2	31T	925		14.6L Opt. 6-volt	4	4	940		10.0L Opt. 6-volt	4	4	940

Trucks

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
KENWORTH (Cont.)					KENWORTH (Cont.)					KENWORTH (Cont.)				
Class 8 Truck (Cont.)					Medium Duty (Cont.)					Medium Duty (Cont.)				
W900 (Cont.)					K300					T300 (Cont.)				
1996-94	10.0L Std. 12-volt	3	31T	625	2005-01	5.9L	4	31T	925	1997-95	8.3L Std. 12-volt	3	31T	625
	10.8L Opt. 12-volt	2	31T	925	2000-98	5.9L, 8.3L	3	31T	650	T300 Medium Duty				
	10.8L Opt. 12-volt	3	31T	700	2000	5.9L Optional	2	31T	925	2007-04	ALL	4	31T	925
	10.8L Opt. 12-volt	3	31T	750		5.9L Optional	3	31T	625	T370				
	10.8L Opt. 12-volt	3	31T	900		5.9L Optional	3	31T	750	2008	ALL	4	31T	925
	10.8L Opt. 12-volt	4	31T	550		5.9L Optional	3	31T	900	KME				
	10.8L Opt. 12-volt	4	31T	625		5.9L Optional	4	31T	550	Class 8 Fire/Crash				
	10.8L Opt. 6-volt	4	4	940		5.9L Optional	4	31T	925	AARF				
	10.8L Std. 12-volt	3	31T	625	1999-98	8.3L Optional	2	31T	925	2009-00	12.7L, 14.0L, 14.6L	5	31T	925
	11.1L Opt. 12-volt	2	31T	925		8.3L Optional	3	31T	750	1999-94	12.7L, 14.0L, 14.6L	4	31T	950
	11.1L Opt. 12-volt	3	31T	700		8.3L Optional	3	31T	900	Excel Chassis				
	11.1L Opt. 12-volt	3	31T	750		8.3L Optional	4	31T	550	2010-00	12.7L, 14.0L, 14.6L, 14.8L	5	31T	925
	11.1L Opt. 12-volt	3	31T	900		8.3L Opt. 12-volt	2	31T	925	1999-96	12.7L, 14.0L, 14.6L	4	31T	950
	11.1L Opt. 12-volt	4	31T	550	1997-94	8.3L Opt. 12-volt	3	31T	700	Firefox				
	11.1L Opt. 12-volt	4	31T	625		8.3L Opt. 12-volt	3	31T	750	2009-00	10.3L, 10.8L, 12.7L	5	31T	925
	11.1L Opt. 6-volt	4	4	940		8.3L Opt. 12-volt	3	31T	900	1999-97	9.1L, 10.3L, 10.8L	4	31T	950
	11.1L Std. 12-volt	3	31T	625		8.3L Opt. 12-volt	4	31T	550	Hawk				
	12.7L Opt. 12-volt	2	31T	925		8.3L Opt. 12-volt	4	31T	625	2009-00	10.3L, 10.8L, 12.7L	5	31T	925
	12.7L Opt. 12-volt	3	31T	700		8.3L Opt. 12-volt	4	31T	940	1999-97	9.1L, 10.3L, 10.8L	4	31T	950
	12.7L Opt. 12-volt	3	31T	750		8.3L Std. 12-volt	3	31T	625	Predator				
	12.7L Opt. 12-volt	3	31T	900	1996-94	5.9L Opt. 12-volt	2	31T	925	2009-00	10.3L, 10.8L, 12.7L	5	31T	925
	12.7L Opt. 12-volt	4	31T	550		5.9L Opt. 12-volt	3	31T	700	1999-97	9.1L, 10.3L, 10.8L	4	31T	950
	12.7L Opt. 6-volt	4	4	940		5.9L Opt. 12-volt	3	31T	750	Renegade Chassis				
	12.7L Std. 12-volt	3	31T	625		5.9L Opt. 12-volt	3	31T	900	2010-07	ALL	5	31T	925
	14.0L Opt. 12-volt	2	31T	925		5.9L Opt. 12-volt	4	31T	550	Class 8 Municipal Snowblower				
	14.0L Opt. 12-volt	3	31T	700		5.9L Opt. 12-volt	4	31T	625	Snow Plow				
	14.0L Opt. 12-volt	3	31T	900		5.9L Opt. 6-volt	4	4	940	2009-00	8.9L, 10.0L, 10.3L, 10.5L, 11.1L	5	31T	925
	14.0L Opt. 12-volt	4	31T	550		5.9L Std. 12-volt	3	31T	625	1999-94	10.0L, 10.5L, 11.1L	4	31T	950
	14.0L Opt. 12-volt	4	31T	625	T170					KODIAK				
	14.0L Opt. 6-volt	4	4	940	2008	ALL	4	31T	925	Class 8 Municipal Snowblower				
	14.0L Std. 12-volt	3	31T	625	T270					Truck				
	14.6L Opt. 12-volt	2	31T	925	2008	ALL	4	31T	925	2009-94	ALL	3	31T	925
	14.6L Opt. 12-volt	3	31T	700	T300					MACK				
	14.6L Opt. 12-volt	3	31T	750	2003-01	5.9L, 7.2L, 8.3L	4	31T	925	Class 8 Truck				
	14.6L Opt. 12-volt	3	31T	900	2000-98	5.9L Optional	2	31T	925	CH				
	14.6L Opt. 12-volt	4	31T	550		5.9L Optional	3	31T	625	2001-97	ALL	3	31T	660
	14.6L Opt. 12-volt	4	31T	625		5.9L Optional	3	31T	750	CL				
	14.6L Opt. 6-volt	4	4	940		5.9L Optional	3	31T	900	2001-97	ALL	3	31T	660
	14.6L Std. 12-volt	3	31T	625		5.9L Optional	4	31T	550	DM				
1995-94	10.3L Opt. 12-volt	2	31T	925		5.9L, 7.2L, 8.3L	3	31T	650	2000-97	ALL	3	31T	660
	10.3L Opt. 12-volt	3	31T	700		7.2L Optional	2	31T	925	DMM				
	10.3L Opt. 12-volt	3	31T	750		7.2L Optional	3	31T	625	2000-97	ALL	3	31T	660
	10.3L Opt. 12-volt	3	31T	900		7.2L Optional	3	31T	750	Granite				
	10.3L Opt. 12-volt	4	31T	550		7.2L Optional	3	31T	900	2013-08	16.1L Optional	3	31T	925
	10.3L Opt. 12-volt	4	31T	625		7.2L Optional	4	31T	550	2013-07	12.8L Optional	3	31T	925
	10.3L Opt. 6-volt	4	4	940		8.3L Optional	2	31T	925	2013-06	10.8L Optional	3	31T	925
	10.3L Std. 12-volt	3	31T	625		8.3L Optional	3	31T	750	2013-00	ALL	3	31T	650
	10.5L Opt. 12-volt	2	31T	925		8.3L Optional	3	31T	900	2007-06	10.8L Bridge Formula	3	31T	750
	10.5L Opt. 12-volt	3	31T	700		8.3L Optional	3	31T	550		12.0L Bridge Formula	3	31T	750
	10.5L Opt. 12-volt	3	31T	750		8.3L Optional	4	31T	550	2007-00	12.0L Optional	3	31T	925
	10.5L Opt. 12-volt	3	31T	900		8.3L Optional	4	31T	925	2007	12.8L Bridge Formula	3	31T	750
	10.5L Opt. 12-volt	4	31T	550		8.3L Optional	4	31T	925	LE				
	10.5L Opt. 12-volt	4	31T	625		8.3L Opt. 12-volt	2	31T	925	2000-97	ALL	3	31T	650
	10.5L Opt. 6-volt	4	4	940		8.3L Opt. 12-volt	3	31T	700	MR				
	10.5L Std. 12-volt	3	31T	625		8.3L Opt. 12-volt	3	31T	750	2000-97	ALL	3	31T	660
Medium Duty						8.3L Opt. 12-volt	3	31T	900	Pinnacle				
K150						8.3L Opt. 12-volt	3	31T	550	2013-06	ALL	3	31T	650
1994	8.3L Opt. 12-volt	2	31T	925		8.3L Opt. 12-volt	3	31T	900	RB				
	8.3L Opt. 12-volt	3	31T	700		8.3L Opt. 12-volt	3	31T	550	2000-97	ALL	3	31T	660
	8.3L Opt. 12-volt	3	31T	750		8.3L Opt. 12-volt	4	31T	625	Terrapro				
	8.3L Opt. 12-volt	3	31T	900		8.3L Opt. 12-volt	4	31T	550	2013-07	ALL	3	31T	650
	8.3L Opt. 12-volt	4	31T	550		8.3L Opt. 12-volt	4	31T	940					
	8.3L Opt. 12-volt	4	31T	625		8.3L Opt. 6-volt	4	4						
	8.3L Opt. 12-volt	4	31T	940										
	8.3L Opt. 6-volt	4	4	940										
	8.3L Std. 12-volt	3	31T	625										

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MACK (Cont.)					MITSUBISHI FUSO (Cont.)					PETERBILT (Cont.)				
Class 8 Truck (Cont.)					Medium Duty (Cont.)					Class 8 Truck (Cont.)				
Titan					FG140					357				
2013-08	ALL	3	31T	650	2011-05	ALL	2	31T	400	2006-03	8.3L, 8.9L, 10.8L, 11.2L, 12.5L, 15.0L, 15.1L, 15.8L	4	31T	650
Titan II					FH					1996-94	10.0L Optional	4	31T	925
2013-09	ALL	3	31T	650	2004-94	ALL	2	31T	512		10.0L Optional	4	4	940
Vision					FK						10.0L Optional	4	31T	925
2007-99	ALL	3	31T	650	2004-94	ALL	2	31T	512		11.1L Optional	4	4	940
Medium Duty					FK200						11.1L Optional	4	31T	925
CS200P Mid-Liner					2011-05	ALL	2	31T	512		12.7L Optional	4	4	940
2001-94	ALL	3	31T	660	FK260						12.7L Optional	4	31T	925
CS250P Mid-Liner					2011-08	ALL	2	31T	512		14.0L Optional	4	4	940
2000-94	ALL	3	31T	660	FM						14.0L Optional	4	31T	925
CS300P Mid-Liner					1995-94	ALL	2	31T	512		14.6L Optional	4	4	940
2001-94	ALL	3	31T	660	FM260						8.3L Optional	4	31T	925
CS300T Mid-Liner					2007-05	ALL	2	31T	512		8.3L Optional	4	4	940
1997-94	ALL	3	31T	660	FM330					1994	8.3L, 10.0L, 10.5L, 11.1L, 12.7L, 14.0L, 14.6L	4	31T	625
CS-Series Mid-Liner					2011-05	ALL	2	31T	512		10.5L Optional	4	31T	925
2001-94	ALL	3	31T	660	FM-HR						10.5L Optional	4	4	940
MS200P Mid-Liner					2003-96	ALL	2	31T	512	362				
2001-94	ALL	3	31T	660	FM-MR					2010-08	12.9L	4	31T	650
MS250P Mid-Liner					2004-96	ALL	2	31T	512	2006-03	11.2L, 12.5L	4	31T	650
2001-94	ALL	3	31T	660	FM-SP					1996-94	10.8L Optional	4	31T	925
MS300P Mid-Liner					2004-96	ALL	2	31T	512		10.8L Optional	4	4	940
2001-94	ALL	3	31T	660	FM-SR						10.8L, 11.1L, 12.7L, 14.0L, 14.6L	4	31T	625
MS300T Mid-Liner					2004-99	7.5L	2	31T	512		11.1L Optional	4	31T	925
1996-94	ALL	3	31T	660	1997-96	7.5L	2	31T	512		11.1L Optional	4	4	940
MS-Series Mid-Liner					OSHKOSH						12.7L Optional	4	31T	925
2001-94	ALL	3	31T	660	Class 8 Cement Mixer						12.7L Optional	4	4	940
MARMON					FMC Mixer						14.0L Optional	4	31T	925
Class 8 Truck					2003-99	ALL		4D	700		14.0L Optional	4	4	940
57L						12.0L Optional		8D	1000		14.6L Optional	4	31T	925
1994	ALL	3	31T	625	Highland						14.6L Optional	4	4	940
57P					2009-03	11.2L Optional		8D	1000	365				
1998-94	ALL	3	31T	625		12.5L Optional		8D	1000	2013-07	ALL	4	31T	650
MITSUBISHI FUSO					2009-01	10.8L Optional		4D	700	367				
Medium Duty								8D	1000	2013-07	ALL	4	31T	650
Canter FE125					Class 8 Fire/Crash					377				
2012	ALL	2	31T	400	Striker					1996-94	ALL	4	31T	625
Canter FE160					2010-04	ALL		4D	700		10.8L Optional	4	31T	925
2012	ALL	2	31T	400	2010	15.0L Optional		8D	1000		10.8L Optional	4	4	940
Canter FE180					2009-04	15.8L Optional		8D	1000	377 A/E				
2012	ALL	2	31T	400		18.1L Optional		8D	1000	1996-94	ALL	4	31T	625
Canter FG4X4					TA-3000						11.1L Optional	4	31T	925
2012	ALL	2	31T	400	2003-94	ALL		4D	700		11.1L Optional	4	4	940
FE						12.7L Optional		8D	1000		12.7L Optional	4	31T	925
2004-94	ALL	2	31T	400	PETERBILT						12.7L Optional	4	4	940
FE120					Class 8 Truck						14.0L Optional	4	4	940
2005	ALL	2	31T	400	200-33						14.6L Optional	4	31T	925
FE125					1996-94	ALL	4	31T	625	378				
FE140						5.9L Optional	4	31T	925	2006-01	10.8L, 11.2L, 12.5L, 15.0L, 15.1L	4	31T	650
2007-06	ALL	2	31T	400		5.9L Optional	4	4	940	1996-94	10.8L Optional	4	31T	925
FE145						8.3L Optional	4	31T	925		10.8L Optional	4	4	940
2011-05	ALL	2	31T	400	320						10.8L, 11.1L, 12.7L, 14.0L, 14.6L	4	31T	625
FE145CC					2013-03	8.3L, 8.9L, 9.2L, 10.8L, 11.2L, 12.5L	4	31T	650		11.1L Optional	4	31T	925
FE180					1996-94	10.0L Optional	4	31T	925		11.1L Optional	4	4	940
2011-05	ALL	2	31T	400		10.0L Optional	4	4	940		12.7L Optional	4	31T	925
FE-CA						8.3L Optional	4	31T	925		12.7L Optional	4	4	940
2001	ALL	2	31T	400		8.3L Optional	4	4	940		14.0L Optional	4	31T	925
FE-HD						8.3L, 10.0L, 10.5L	4	31T	625		14.0L Optional	4	4	940
2004-96	ALL	2	31T	400	1994	10.5L Optional	4	31T	925		14.6L Optional	4	31T	925
FE-SP						10.5L Optional	4	4	940	379				
2004-96	ALL	2	31T	400	320 Hybrid					2006-03	10.8L, 11.2L, 12.5L, 15.0L, 15.1L	4	31T	650
FG					2013-09	ALL	4	31T	650	1996-94	10.8L Optional	4	31T	925
2004-98	ALL	2	31T	400	340						10.8L Optional	4	4	940
					2009-06	ALL	4	31T	650		10.8L, 11.1L, 12.7L, 14.0L, 14.6L	4	31T	625
											11.1L Optional	4	31T	925

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PETERBILT (Cont.)					PETERBILT (Cont.)					SPARTAN (Cont.)				
Class 8 Truck (Cont.)					Medium Duty (Cont.)					Class 8 Fire/Crash (Cont.)				
379 (Cont.)					335					Big Easy				
1996-94	11.1L Optional	4	4	940	2010-05	ALL	4	31T	650	2009-07	ALL	5	31T	925
	12.7L Optional	4	31T	925	337					Crash Rescue				
	12.7L Optional	4	4	940	2012-11	ALL	4	31T	650	2006-98	ALL	5	31T	925
	14.0L Optional	4	31T	925	PIERCE					Diamond				
	14.0L Optional	4	4	940	Class 8 Fire/Crash					2009-07	ALL	5	31T	925
	14.6L Optional	4	31T	925	Arrow XT					Fire				
	14.6L Optional	4	4	940	2010-04	ALL		4D	700	2006-00	ALL	5	31T	925
384					2010	14.8L Optional		8D	1000	Gladiator				
2013-07	ALL	4	31T	650	2009-07	14.0L Optional		8D	1000	2009-07	ALL	5	31T	925
385					2009-04	12.5L Optional		8D	1000	Metro Star				
2006-03	ALL	4	31T	650	2006-04	12.7L Optional		8D	1000	2009-07	ALL	5	31T	925
386					Dash					Mountain Star				
2013-05	ALL	4	31T	650	2010-04	ALL		4D	700	2009-07	ALL	5	31T	925
387					2010	12.8L Optional		8D	1000	Sierra				
2010-03	ALL	4	31T	650		14.8L Optional		8D	1000	2009-07	ALL	5	31T	925
388					2009-07	14.0L Optional		8D	1000	STERLING				
2013-07	ALL	4	31T	650	2009-04	10.8L Optional		8D	1000	Class 8 Truck				
389						12.5L Optional		8D	1000	Acterra				
2013-07	ALL	4	31T	650		8.9L Optional		8D	1000	2007-03	ALL	4	31T	750
587					2006-04	12.7L Optional		8D	1000	Acterra 8500				
2013-10	ALL	4	31T	650	Enforcer					2008-00	ALL	4	31T	750
On Highway Conventional					2010-04	ALL		4D	700	A-Line				
2003-98	11.1L, 12.0L, 12.7L, 14.0L, 14.6L, 15.0L, 15.8L		31T	650	2010	12.8L Optional		8D	1000	2010-03	ALL	4	31T	750
2003-97	7.2L, 8.3L, 8.9L, 10.3L, 10.8L	4	31T	650	2009-07	9.3L Optional		8D	1000	Cargo				
1997-96	10.8L Optional	4	31T	925	2009-04	8.3L Optional		8D	1000	2004-03	ALL	4	31T	750
	10.8L Optional	4	4	940	2006-04	8.9L Optional		8D	1000	Condor				
	11.1L Optional	4	31T	925		8.8L Optional		8D	1000	2008-00	ALL	4	31T	750
	11.1L Optional	4	4	940	Lance					Fire Truck				
	12.7L Optional	4	31T	925	2010-04	ALL		4D	700	2006-03	ALL	4	31T	750
	12.7L Optional	4	4	940	2010	12.8L Optional		8D	1000	L-Line				
	14.0L Optional	4	31T	925		14.8L Optional		8D	1000	2010-03	ALL	4	31T	750
	14.0L Optional	4	4	940	2009-07	14.0L Optional		8D	1000	Sterling On-Highway				
1997-95	14.0L Optional	4	31T	925	2009-04	10.8L Optional		8D	1000	2003-98	ALL	4	31T	750
	14.0L Optional	4	4	940	2006-04	12.5L Optional		8D	1000	Medium Duty				
	10.3L, 10.8L, 11.1L, 12.0L, 12.7L, 14.0L, 14.6L, 15.0L	4	31T	625		12.7L Optional		8D	1000	360				
	14.6L Optional	4	31T	925	2004-99	10.8L Optional		8D	1000	2010-07	ALL	4	31T	750
	14.6L Optional	4	4	940	2004-98	7.2L Optional		8D	1000	Acterra				
1997	10.3L Optional	4	31T	925	2004-97	14.6L Optional		8D	1000	2007-01	ALL	4	31T	750
	10.3L Optional	4	4	940	2004-94	ALL		4D	700	Acterra 5500				
	12.0L Optional	4	31T	925		12.7L Optional		8D	1000	2007-01	ALL	4	31T	750
	12.0L Optional	4	4	940	2003-94	11.1L Optional		8D	1000	Acterra 6500				
	15.0L Optional	4	31T	925		8.7L Optional		8D	1000	2007-01	ALL	4	31T	750
	15.0L Optional	4	4	940	1998-94	10.0L Optional		8D	1000	Acterra 7500				
Medium Duty						14.0L Optional		8D	1000	2007-01	ALL	4	31T	750
200					1997-94	10.8L Optional		8D	1000	Bullet				
2000-99	5.9L Optional	4	31T	925	1994	7.6L Optional		8D	1000	2008	ALL	4	31T	750
	5.9L Optional	4	4	940	Quantum					Bullet 45				
2000-94	ALL	4	31T	625	2010-04	ALL		4D	700	2010-08	ALL	4	31T	750
	8.3L Optional	4	31T	925	2010	12.8L Optional		8D	1000	Cargo				
	8.3L Optional	4	4	940		14.8L Optional		8D	1000	2002-99	ALL	4	31T	750
1997-94	5.9L Optional	4	31T	925	2009-07	14.0L Optional		8D	1000	L7500				
	5.9L Optional	4	4	940	2009-04	10.8L Optional		8D	1000	2010-99	ALL	4	31T	750
210					2006-04	12.7L Optional		8D	1000	L-Line				
2012-08	ALL	4	31T	650	Saber					2007-99	ALL	4	31T	750
220					2010-04	ALL		4D	700	SC7000 Cargo				
2008-07	ALL	4	31T	650	2010	12.8L Optional		8D	1000	2002-99	ALL	4	31T	750
270						9.3L Optional		8D	1000	SUTPHEN				
2002-01	ALL	4	31T	650	2009-04	7.2L Optional		8D	1000	Class 8 Fire/Crash				
330						8.3L Optional		8D	1000	Ambassador				
2012-07	6.7L, 7.2L, 8.3L	4	31T	650	2006-04	8.9L Optional		8D	1000	2009-04	ALL	4	31T	950
2005-98	7.2L, 8.3L	4	31T	650		8.8L Optional		8D	1000	Imperial				
1997-96	7.2L Optional	4	31T	925	SEAGRAVE					2010-04	ALL	4	31T	950
	7.2L Optional	4	4	940	Class 8 Fire/Crash					Class 8 Fire/Crash				
1997-95	6.6L, 7.2L, 8.3L	4	31T	625	Concorde					Ambassador				
	8.3L Optional	4	31T	925	2009-04	ALL	3	31T	750	Imperial				
	8.3L Optional	4	4	940	SPARTAN					Class 8 Fire/Crash				
1995	6.6L Optional	4	31T	925	Class 8 Fire/Crash					Advantage				
	6.6L Optional	4	4	940	2009-07	ALL	5	31T	925	Advantage				

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SUTPHEN (Cont.)					VOLVO (Cont.)					WESTERN STAR (Cont.)				
Class 8 Fire/Crash (Cont.)					Class 8 Truck (Cont.)					Class 8 Truck (Cont.)				
Monarch					WC (Cont.)					On Highway Conventional (Cont.)				
2010-04	ALL	4	31T	950	1996-94	10.8L Optional	3	31T	625	2001-97	11.1L Optional	4	31T	700
Sutphen Chassis						11.1L Optional	3	31T	625		11.1L Optional	54	31T	1000
2004-94	ALL	4	31T	950		12.7L Optional	3	31T	625		11.1L Optional	54	8D	1300
UD						14.0L Optional	3	31T	625		12.0L Optional	3	31T	750
Medium Duty						14.6L Optional	3	31T	625		12.0L Optional	4	31T	700
1200					WG						12.0L Optional	54	31T	1000
2004-99	ALL	2	27	625	1997-94	ALL	4	31T	550		12.0L Optional	54	8D	1300
1300						10.0L Optional	3	31T	625		12.7L Optional	3	31T	750
2007-05	ALL	2	27	625		10.8L Optional	3	31T	625		12.7L Optional	4	31T	700
1400						11.1L Optional	3	31T	625		12.7L Optional	54	31T	1000
2008-94	ALL	2	27	625		12.1L Optional	3	31T	625		12.7L Optional	54	8D	1300
1800						12.7L Optional	3	31T	625		14.0L Optional	3	31T	750
2012-11	7.0L	2	27	625		14.0L Optional	3	31T	625		14.0L Optional	4	31T	700
2004-94	6.9L	2	27	625		14.6L Optional	3	31T	625		14.0L Optional	54	31T	1000
1800CS					1994	12.0L Optional	3	31T	625		14.0L Optional	54	8D	1300
2010-99	ALL	2	27	625	WH						14.6L Optional	3	31T	750
1800HD					1996-94	ALL	4	31T	550		14.6L Optional	4	31T	700
2010-05	ALL	2	27	625		10.0L Optional	3	31T	625		14.6L Optional	54	31T	1000
2000						10.8L Optional	3	31T	625		14.6L Optional	54	8D	1300
2012-98	6.9L, 7.0L, 7.7L	2	27	625		11.1L Optional	3	31T	625		8.3L Optional	3	31T	750
1994	6.9L	2	27	625		12.7L Optional	3	31T	625		8.3L Optional	4	31T	700
2300						14.0L Optional	3	31T	625		8.3L Optional	54	31T	1000
2004-94	ALL	2	27	625		14.6L Optional	3	31T	625		8.3L Optional	54	8D	1300
2300DH					WI					2001-00	15.0L Optional	3	31T	750
2012-05	ALL	2	27	625	1996-94	ALL	4	31T	550		15.0L Optional	4	31T	700
2300LP						10.0L Optional	3	31T	625		15.0L Optional	54	31T	1000
2012-05	ALL	2	27	625		10.8L Optional	3	31T	625	On/Off Highway Conventional				
2600						11.1L Optional	3	31T	625	2001-97	ALL	3	31T	625
2012-94	ALL	2	27	625		12.7L Optional	3	31T	625		10.3L Optional	3	31T	750
2800						14.0L Optional	3	31T	625		10.3L Optional	4	31T	700
1994	ALL	2	27	625		14.6L Optional	3	31T	625		10.3L Optional	54	31T	1000
3000					WX						10.3L Optional	54	8D	1300
2000-95	ALL	2	27	625	1996-94	ALL	4	31T	550		11.1L Optional	3	31T	750
3000HD						10.0L Optional	3	31T	625		11.1L Optional	4	31T	700
1994	ALL	2	27	625		10.8L Optional	3	31T	625		11.1L Optional	54	31T	1000
3000SD						11.1L Optional	3	31T	625		11.1L Optional	54	8D	1300
1994	ALL	2	27	625		12.7L Optional	3	31T	625		12.0L Optional	3	31T	750
3300						14.0L Optional	3	31T	625		12.0L Optional	4	31T	700
2012-99	6.9L, 7.0L, 7.7L	2	27	625		14.6L Optional	3	31T	625		12.0L Optional	54	31T	1000
1994	7.4L	2	27	625	WESTERN STAR						12.0L Optional	54	8D	1300
600T					Class 8 Truck						12.7L Optional	3	31T	750
1994	ALL	2	27	625	On Highway						12.7L Optional	4	31T	700
VOLVO					2001-00	ALL	3	31T	625		12.7L Optional	54	31T	1000
Class 8 Truck						14.6L Optional	3	31T	750		12.7L Optional	54	8D	1300
On Highway Cab Over						14.6L Optional	4	31T	700		14.0L Optional	3	31T	750
2002-96	ALL	4	31T	950		14.6L Optional	54	31T	1000		14.0L Optional	4	31T	700
On Highway Conventional						14.6L Optional	54	8D	1300		14.0L Optional	54	31T	1000
2002-96	ALL	4	31T	950	2000	10.3L Optional	3	31T	750		8.3L Optional	3	31T	750
On/Off Highway Cab Over						10.3L Optional	4	31T	700		8.3L Optional	4	31T	700
2002-96	ALL	4	31T	950		10.3L Optional	54	31T	1000		8.3L Optional	54	31T	1000
On/Off Highway Conventional						10.3L Optional	54	8D	1300		8.3L Optional	54	8D	1300
2002-96	ALL	4	31T	950		11.1L Optional	3	31T	750	2000-97	14.6L Optional	3	31T	750
VHD						11.1L Optional	4	31T	700		14.6L Optional	4	31T	700
2013-03	ALL	4	31T	1980		11.1L Optional	54	31T	1000		14.6L Optional	54	31T	1000
VN						12.0L Optional	3	31T	750	WORKHORSE				
2013-01	ALL	4	31T	950		12.0L Optional	4	31T	700	Medium Duty				
VNL						12.0L Optional	54	31T	1000	LF72				
2013-04	ALL	4	31T	950		12.7L Optional	3	31T	750	2011-05	ALL		78	690
VNM						12.7L Optional	4	31T	700	P32				
2013-04	ALL	4	31T	950		14.0L Optional	3	31T	750	2005-99	5.7L, 7.4L, 8.1L		78	690
VT						14.0L Optional	4	31T	700	2003-99	6.5L	2	78	600
2009-04	ALL	4	31T	950		14.0L Optional	54	31T	1000	P42				
WC						14.0L Optional	54	8D	1300	2005-99	6.5L	2	78	600
1996-94	ALL	4	31T	550	On Highway Conventional						7.4L		78	690
	10.0L Optional	3	31T	625	2001-97	ALL	3	31T	625	R26				
						10.3L Optional	3	31T	750	2009-07	ALL		78	690
						10.3L Optional	4	31T	700	R32				
						10.3L Optional	54	31T	1000	2009-03	ALL		78	690
						10.3L Optional	54	8D	1300	W16				
						11.1L Optional	3	31T	750	2009-06	ALL		78	690

YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)		
WORKHORSE (Cont.)						
Medium Duty (Cont.)						
W18						
2009-06	ALL		78	690		
W20						
2009-01	ALL		78	690		
W21						
2009-07	ALL		78	690		
W22						
2009-01	ALL		78	690		
W24						
2009-04	ALL		78	690		
W25						
2009-05	ALL		78	690		
W42						
2011-05	4.5L, 4.8L		78	690		
2004	6.5L	2	78	600		
W62						
2011-07	ALL		78	690		

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YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
AG CHEM EQUIPMENT					AGCO (Cont.)					CASE NEW HOLLAND (Cont.)				
Self Propelled Sprayers					Self Propelled Sprayers					Tractors - 4WD Articulated				
RoGator - 554, RoGator - 664					Eagle					T9.390, T9.450, T9.505, T9.560, T9.615, T9.670				
1998-94		2	31T	700	2005-97		2	31T	700	2013-11		2	4DLT	1000
RoGator - 854, RoGator - 1054, TerraGator - 8103					Tractors - 2-Wheel Drive					T9010				
2005-98		2	31T	700	5650, 5660, 5670, 6670					2009-07		2	31T	1000
RoGator - 856, TerraGator - 9105					2013-94			49	470	T9020, T9030, T9040, T9050, T9060				
2004		2	31T	700	7600					2010-07		2	31T	1000
RoGator - 864, RoGator - 1064, RoGator - 1264					1999-94			49	500	TV6070 BIDIRECTIONAL				
2007-04		2	31T	700	8775, 8785, 9735, 9745					2013-08		2	31T	950
RoGator - 874					2013-97		2	24	600	Tractors - Mechanical Front Wheel Drive				
2008-07		2	31T	700	9755, 9765, 9775, 9785					BOOMER 8N				
RoGator - 1074, RoGator - 1074C					2013-99		2	24	600	2011-09			47	600
2008-06		2	31T	700	Tractors - Mechanical Front Wheel Drive					BOOMER 2030, BOOMER 2035				
RoGator - 1254, TerraGator - 6103					8360, 8425					2011-08			51	450
2005-99		2	31T	700	2000-99		3	31T	700	BOOMER 3040, BOOMER 3045, BOOMER 3050				
RoGator - 1268, RoGator - 1268C					8775, 8785, 9735, 9745					2011-08			47	600
2007		2	31T	700	2013-97		2	24	600	BOOMER 4055, BOOMER 4060				
RoGator - 1274					9755, 9765, 9775, 9785					2011-08			47	600
2006		2	31T	700	2013-99		2	24	600	FARMALL 31 COMPACT				
RoGator - SS874, RoGator - SS1074					Windrowers					2011-08			51	450
2008		2	31T	700	9330					FARMALL 35 COMPACT				
RoGator - SSC1074, TerraGator - 3244					2009-07			31T	950	2011-08			51	450
2008		2	31T	700	9340					FARMALL 40 COMPACT				
TerraGator - 1903					2006		2	31T	950	2011-08			47	600
1999-94		2	31T	700	CAMECO					FARMALL 45 COMPACT				
TerraGator - 3104					Self Propelled Sprayers					2011-08			47	600
1999-98		2	31T	700	4700					FARMALL 50 COMPACT				
TerraGator - 4104					2006-98		2	27	650	2011-08			47	600
2007-04		2	31T	700	6700 (410 or 420 gal)					FARMALL 55 COMPACT				
TerraGator - 6203, TerraGator - 8203					2006-99		2	31T	750	2011-08			27	700
2008		2	31T	700	6700S					FARMALL 60 COMPACT				
TerraGator - 8104					2006-99			31T	925	2011-08			27	700
2005-98		2	31T	700	Tractors - 4WD Articulated					T8.275, T8.300, T8.330, T8.360, T8.390				
TerraGator - 8144, TerraGator - 9103					220T, 110-T					2013-11			31T	950
2005-99		2	31T	700	2006-00		2	31T	925	T1010, T1030, T1110				
TerraGator - 8204, TerraGator - 8244					345-B					2008			31T	325
2008		2	31T	700	2006-94		2	31T	925	T2320, T2330, T2410, T2420				
TerraGator - 9203, TerraGator - 9205					CASE NEW HOLLAND					2008-07			31T	420
2008		2	31T	700	Baler					T8010, T8020, T8030, T8040				
AGCO					BW28, BW38					2010-06		2	31T	1000
Combines					2007-03			31T	950	T8050				
R42, R52					H9870, H9880					2010-07		2	31T	1000
2000-94		2	24	580	2013-07			31T	950	Windrowers				
R62, R72					Combines					H8040, H8040 PRAIRIE SPECIAL, WD1203				
2000-94		3	24	580	CR9040, CR9060, CR9070					2013-07			31T	925
Farm					2011-06		2	31T	950	H8060, H8080				
4650					CR9065					2013-07		2	31T	650
1997-94			48	470	2011-10		2	31T	950	HW300, HW320				
4660					CR9080					2004-98			31T	700
1997-94			49	470	2011-08		2	31T	950	HW305, HW305S, HW325				
5680, 6680, 6690					Self Propelled Sprayers					2007-04			31T	700
2000-94			49	470	GUARDIAN SP240F, GUARDIAN SP240R					HW340				
7630, 7650, 8610, 8630					2013-10		2	31T	950	2004-98		2	31T	700
1997-94			4DLT	630	GUARDIAN SP275F, GUARDIAN SP275R					2007-04		2	31T	700
8745, 8765					2013-10		2	31T	950	HW345				
2000-98		2	24	600	GUARDIAN SP365F					HW365				
9435					2013-10		2	31T	950	2006-04			31T	700
1999-94		2	30H	800	Tractors - 2-Wheel Drive					WD1903, WD2303				
9630, 9635, 9650, 9655, 9670, 9815					T2310					2013-07		2	31T	925
1997-94		2	24	600	2008-07			31T	420	WDX901, WDX1101				
R42A, R52A					TC18					2004-01			31T	925
1995-94		2	24	580	2003-98			45	420	WDX1002S, WDX1202S				
R42L, R52L, R62L, R72L					TC35A					2006-04			31T	925
2000-94		3	24	600	2007-05			47	600	2007-04			31T	925
R62A, R72A					WDX1203					2007			31T	925
1995-94		3	24	580										

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YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
CASE NEW HOLLAND (Cont.)					CHALLENGER (Cont.)					EDWARDS EQUIP. CO. (Cont.)				
Windrowers (Cont.)					Tracked Ag Tractors (Cont.)					Farm (Cont.)				
WDX1701					CHALLENGER 55					SP6900				
2004-01		2	31T	925	2002-98		2,43	31T	750	1994	Diesel		24	550
WDX1902, WDX2302					CHALLENGER 65					FIAT TRACTORS				
2007-04		2	31T	925	2002-94		3,43	31T	700	Tractors				
WDX1903, WDX2303					CHALLENGER 65B, CHALLENGER 70C					45-66DTS, 45-66S, 55-56DT, 55-86DTF, 55-86F				
2007		2	31T	925	1994		2,43	31T	750	1994			30H	625
CATERPILLAR					CHALLENGER 65C					60-66DTS, 60-66S, 60-85V, 62-86DTF, 62-86F				
Combines					1997-94		2,43	31T	750	1994			30H	625
LEXION 160, LEXION 470, LEXION 475					CHALLENGER 65D					65-56DT, 70-66DTHCS, 70-66DTS, 70-66HCS				
2001			4D	1100	1999-94		2,43	31T	750	1994			4DLT	820
LEXION 450, LEXION 460					CHALLENGER 65E, CHALLENGER 75E					70-66S, 72-85C, 72-85M, 72-86DTF, 72-86F				
2004-01			4D	1100	2000-98		2,43	31T	950	1994			4DLT	820
LEXION 460R, LEXION 470R, LEXION 475R					CHALLENGER 70					80-66DTHCS, 80-66DTS, 80-66HCS, 80-66S				
2004-02			4D	1100	1996-94		2,43	31T	950	1994			4DLT	820
LEXION 465					CHALLENGER 75					82-85C, 82-86DTF, 82-86F, 82-94, 82-94DT				
2002-01			4D	1100	2002-94		4,43	31T	700	1994			4DLT	820
LEXION 480, LEXION 485					CHALLENGER 75B					100-94DT				
2001			4D	1100	1999-94		4,43	31T	700	1994			4DLT	820
LEXION 480R, LEXION 485R					CHALLENGER 75C, CHALLENGER 75D					140-90DTPS, 160-90DTPS, 160-92PS				
2004-02			4D	1100	1997-95		2,43	31T	900	1994			4D	935
LEXION 560 STRAW					CHALLENGER 85					180-94DTPS, F130, F130DT				
2007-04			4D	1100	2002-94		2,43	31T	950	1994			4D	935
LEXION 560R, LEXION 570R, LEXION 575R					CHALLENGER 85C					640				
2009-04			4D	1100	1994		2,43	31T	950	2004-02			4DLT	820
LEXION 570 STRAW					CHALLENGER 95					FORD NEW HOLLAND				
2010-06			4D	1100	2002-97		2,43	31T	950	Farm				
LEXION 580R					CHALLENGER 95D, CHALLENGER 95E					846, 876				
2009-04			4D	1100	2000-94		2,43	31T	950	1994		3	31T	625
LEXION 585R					MT735, MT745, MT755, MT765					946, 976				
2009-05			4D	1100	2004-02		2	31T	950	1994		4	31T	625
LEXION 590R					MT745B, MT755B, MT765B					1078, 1079, 1085				
2010-04			4D	1100	2008-05		2	31T	950	1994			31T	925
LEXION 595R					MT755C, MT765C					1120, 1220, 1320, 1520, 1720				
2010-05			4D	1100	2011-08		2	31T	950	1997-94			24	420
LEXION 670 STRAW, LEXION 730, LEXION 740					MT835, MT845, MT855, MT865					1920, 2120				
2013-10			4D	1100	2004-02		4	31T	950	1997-94			30H	580
LEXION 740TT, LEXION 750, LEXION 750TT					MT835B, MT845B, MT855B, MT865B, MT875B					2810, 2910, 3910, 4110, 4610, 4610SU, 5900, 6710				
2013-10			4D	1100	2008-05		4	31T	950	1994			4DLT	750
LEXION 760, LEXION 760TT, LEXION 770					MT835C, MT845C, MT855C, MT865C, MT875C					3220, 3230				
2013-10			4D	1100	2013-08		4	31T	950	1997-94			31T	800
LEXION 770TT					Tractors - 4WD Articulated					5610, 6610				
2013-10			4D	1100	MT945C, MT955C, MT965C, MT975C					1996-94			4DLT	750
CHALLENGER					2013-08		4	31T	950	5640, 6640, 7740, 7840, 8240, 8340				
Self Propelled Sprayers					Tractors - Mechanical Front Wheel Drive					1996-94			31T	800
ROGATOR 994, ROGATOR 994H					MT945B, MT955B, MT965B, MT975B					1994			4DLT	750
2013-06		2	31T	950	2008-06		4	31T	950	7610, 7710, 7810, 8210, TW5, TW15, TW25, TW35				
ROGATOR 1194, ROGATOR 1194H					Windrowers					7610, 8010				
2013-06		2	31T	950	CHALLENGER SP11, CHALLENGER SP16					2000-98			30H	600
ROGATOR 1396, SPRA-COUPÉ 7460					2003-02		2	31T	950	9030				
2013-06		2	31T	950	CHALLENGER SP80					1994		2	31T	625
SPRA-COUPÉ 4460, SPRA-COUPÉ 4660					2003-02		2,43	31T	950	9782				
2013-06			31T	950	CHALLENGER SP85B					2000-98		3	31T	750
SPRA-COUPÉ 7660					2006-04		2,43	31T	950	HW300, HW320				
2013-06		2	31T	950	CHALLENGER SP115B					2000-98			31T	925
TERRA-GATOR 6303, TERRA-GATOR 8204					2008-04		2	31T	950	HW340				
2011-06		2	31T	950	CHALLENGER SP115C					2000-98			31T	625
TERRA-GATOR 8303, TERRA-GATOR 9203					2011-08		2	31T	950	LGT14D				
2011-06		2	31T	950	CHALLENGER SP185B					1994			60	345
TERRA-GATOR TG7300, TERRA-GATOR TG8300					2008-04		2,43	31T	950	TS100				
2013-11		2	31T	950	WR9740, WR9760, WR9770					2000-98			31T	800
TERRA-GATOR TG8400					2013-11		2	31T	950	Tractors - 2-Wheel Drive				
2013-11		2	31T	950	EDWARDS EQUIP. CO.					3010				
Tracked Ag Tractors					Farm					2003-96			30H	600
CHALLENGER 35, CHALLENGER 45					DS4100									
2002-98		2,43	31T	750	1994			24	205					

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FORD NEW HOLLAND (Cont.)					J.I. CASE & CASE IH (Cont.)					J.I. CASE & CASE IH (Cont.)				
Tractors - Mechanical Front Wheel Drive					Combines (Cont.)					Tractors - 2-Wheel Drive (Cont.)				
9482					AF 5130, AF 6130, AF 7130, AF 7230, AF 8230					D45, DX45				
1999-96		3	31T	750	2013-11		2	31T	950	2006-04			31T	660
GLEANER					AF 9120					DX35, DX40				
Combines					2011-08		2	31T	950	2004-03			31T	660
A65, A75					AF 9230					JX95				
2008-06		2	31T	950	2013-11		2	31T	950	2013-08			31T	950
A66, A76, R66, R76					AFX 2366					MX135				
2011-08		2	31T	950	2004		2	31T	950	2002-98		58	31T	1000
A85					AFX 2377, AFX 2388					MXM 120, MXM 130, MXM 140, MXM 155				
2008-06		3	31T	950	2005-04		2	31T	950	2005-02			31T	660
A86					AFX 2577, AFX 2588, AFX 7010					MXM 175, MXM 190, MXM Series				
2011-08		3	31T	950	2008			31T	950	2005-02			31T	660
R42					AFX 8010					Tractors - Mechanical Front Wheel Drive				
2002-01	S/N -48000	2	24	580	2006-04		2	31T	950	9210, 9230, 9240, 9250, 9280				
2002-01	S/N 48001-	2	31T	950	Compact Tractors					1995-94		3	31T	625
R52					DX Series					9310				
2002-01	S/N -58000	2	24	580	2002			31T	950	1996-95		2,58	31T	660
2002-01	S/N 58001-	2	31T	950	Cotton Picker					9330, 9350, 9370, 9380				
R55					2155					1999-95		2,58	31T	660
2006-02		2	31T	950	1997-94		2	31T	700	C50, C60, C70, C80, CX50, CX60, CX70, CX80				
R62					2555					2002-97		58	31T	660
2002-01	S/N -68000	2	24	580	2003-97		2	31T	700	C90, C100, CX90, CX100				
2002-01	S/N 68001-	2	31T	950	CPX 420, CPX 620					2002-97			31T	660
R65, R75					2007-06			31T	660	D35, D45, DX40, DX45, DX55				
2008-02		2	31T	950	Farm					2008-03			31T	660
R72					1640, 1660, 1670, 1680					D40, DX48				
2002-01	S/N -78000	2	24	580	1994		2	31T	950	2006-03			31T	660
2002-01	S/N 78001-	2	31T	950	4260					DX18E, DX22E, DX25E, DX34				
S67, S77					2000-98		2	31T	950	2008-06			31T	660
2013-10		3	31T	950	5220, 5230, 5240, 5250					DX21, DX24, DX29, DX33				
HESSTON CO					2000-94		2	30H	685	2005-03			31T	660
Farm					C101					DX23E				
55-56					2000-98			31T	660	2006-05			31T	660
1994			30H	625	MX80, MX90					DX26				
65-56					2000-98			31T	770	2007-05			31T	660
1994			4DLT	820	Self Propelled Sprayers					DX31				
100-90					FLX 3300B, FLX 3330B, FLX 4300, FLX 4330					2008-05			31T	660
2005-94			4DLT	820	2005-99		2	31T	950	DX35				
2000-99		2	4DLT	820	FLX 4375					2007-03			31T	660
1996		2	4DLT	820	2005-99		2	31T	950	DX60				
8500					PATRIOT 3230, PATRIOT 3330					2008-07			31T	660
1997-94		2	24F	650	2013-06		2	31T	950	JX80, JX95				
8510					PATRIOT 4420					2013-08			31T	950
2000-98			24T	500	2011-06		2	31T	950	MAGNUM 180, MAGNUM 190, MAGNUM 210				
Windrowers					PATRIOT 4430					2013-09			31T	660
8400					2013-11		2	31T	950	MAGNUM 215, MAGNUM 245, MAGNUM 275				
1997-94		2	24F	650	Skid Steer					2010-06			31T	660
8450					400 Series					MAGNUM 225				
2004-97			24T	500	2007-06			31T	660	2013-09			31T	660
8550, 8550S					Tractors					MAGNUM 235, MAGNUM 260, MAGNUM 290				
2004-99		2	24T	500	DX Series Compact, DXE Series Sub-Compact					2013-11			31T	660
J.I. CASE & CASE IH					2008-06			31T	660	MAGNUM 305				
Combines					JX 110U, JX 1080U, JX 1090U					2010-06			31T	660
2144, 2166, 2188					2004-03			31T	950	MAGNUM 305 GOLD SP. ED.				
1998-95		2	31T	950	JX Series					2007			31T	660
2344					2007-06			31T	800	MAGNUM 315, MAGNUM 340				
2002-98		2	31T	950	2002			31T	950	2013-11			31T	660
2366, 2388					Tractors - 2-Wheel Drive					MAGNUM 335				
2003-98		2	31T	950	C50, C60, C70, C80, CX50, CX60, CX70, CX80					2010-07			31T	660
2377					2002-97		58	31T	660	MX100, MX100 MAXXUM, MX120				
2005-04			31T	950	C90, C100, CX90, CX100					2002-97		58	31T	1000
AF 2577, AF 2588, AF 7010, AF 8010					2002-97			31T	660	MX110, MX110 MAXXUM				
2008-06		2	31T	950	D35, DX48					2002-97		2,58	31T	1000
AF 5088, AF 6088, AF 7088, AF 7120, AF 8120					2006-03			31T	660	MX120 MAXXUM, MX130, MX135 MAXXUM				
2011-08		2	31T	950	D40, DX55					2002-97		58	31T	1000
					2008-03			31T	660					

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J.I. CASE & CASE IH (Cont.)					JOHN DEERE (Cont.)					JOHN DEERE (Cont.)				
Tractors - Mechanical Front Wheel Drive (Cont.)					Combines (Cont.)					Farm (Cont.)				
MX150, MX170, MX180, MX200					9650, 9750					7200, 7400				
2002-99		2,58	31T	1000	2013-02		2	27	650	1998-94		2,58	31T	950
MX210, MX230, MX255, MX285, MXM 120					9660 Cylinder/Walker					7445				
2005-02			31T	660	2005-03		2	31T	750	1996-94		58	31T	925
MX215, MX275, MXM 140, MXM 155					9660 WTS					Harvesters				
2013-08			31T	660	2006-05		2	31T	750	6610				
MX220, MX240, MX270					9670 STS, 9770 STS					1998-94		2	49	610
2002-99			31T	660	2011-07		2	31T	750	6650, 6750				
MX245, MX305					9860 STS					2003-98			49	850
2006			31T	660	2007-03 SN -078555		2	31T	750	6710				
MXM 130, MXM 140, MXM 155, MXM 175					2007-03 SN 078556-			5D	1400	2006-94			49	850
2005-02			31T	660	9870 STS					6810, 6910				
MXM 190, MXM Series					2011-07 SN -078555			27	650	2006-94		3	49	610
2005-02			31T	660	2011-07 SN 078556-			5D	1400	6850, 6950				
Windrowers					S550, S660, S670					2003-98		2,58	31T	650
8825					2013-11		2	31T	925	Hi-Cycle Sprayer				
1999-94		2	24F	600	S690					6000				
8825HP					2013-11			5D	1400	1998-94			24	385
2001-00		2	24F	600	Corn Head					Riding Reel Mower				
8830					90 Series (27 - 40hp)					2653A				
1999-94 Diesel		2	24F	600	2004-02			22NF	500	2008-04			51	435
1999-94 Gas			24F	420	Cotton Picker					2003-95			45	500
8840, 8850					7660					Self Propelled Sprayers				
1999-94		2	24F	600	2013-10		3	31T	925	4630, 4760, 4830				
8860, 8870, 8880					7760					2013-07		2	34	770
2001-99			24T	500	2013-08		3	31T	925	4710 (800 gal)				
JOHN DEERE					9930					2004-02		2	27	650
Combines					2003-94			31T	925	4930				
1165, 1175					9965					2011-06		2	31T	925
2012-94			5D	1400	1998-94	Optional	2	31T	625	4940				
1185					1998-94	Optional	2	31T	925	2013-11		2	31T	925
1998-94			5D	1400	9970					Sugar Cane Harvester				
1195					2013-04		2	31T	925	3510				
2001-98			5D	1400	2013-04	Optional	2	31T	950	2008-06		2	31T	925
1450					9970, 9976					3520				
2012-00			5D	1400	2003-98		2	31T	950	2013-08		2	31T	925
1550					9986					Track Harvester				
2012-01			5D	1400	2010-02		2	31T	950	753G				
9400					2010-04		2	31T	925	2008-01		2	31T	950
1998-94		2	27	650	Cotton Stripper					Tracked Ag Tractors				
9410					7450					8100T, 8200T, 8300T, 8400T				
2000-98		2	27	650	1996-94			31T	925	1999-97		2	31T	925
9450 Cylinder/Walker, 9550 Cylinder/Walker					7455					8110T, 8210T, 8310T, 8410T				
2003-99		2	27	650	2003-97			31T	925	2001-99		2	31T	925
9500					7460					8120T, 8220T, 8320T, 8420T				
1998-94		2	27	620	2013-04			31T	925	2005-01		2	31T	925
1998-94 Sidehill		2	27	620	Farm					8230T, 8330T, 8430T				
9510, 9610					2355, 2355N, 2555					2009-05		2	31T	925
2000-98		2	27	620	1995-94		2	47	600	8295RT, 8320RT, 8345RT				
9550 Sidehill, 9650 Cylinder Tine Separator					2550					2011-09		2	31T	925
2003-99		2	27	650	2009-05 w/SGB		2	24	420	8310RT, 8335RT, 8360RT				
9560 Cylinder/Walker					2955					2013-11		2	31T	925
2004-02		2	31T	750	1995-94		2	49	610	8520T				
9560 Sidehill, 9660 Cylinder Tine Separator					3155					2005-02		2	31T	925
2004-03		2	31T	750	1995-94		2	30H	475	9300T, 9400T				
9560 STS, 9660 Single Tine Separator, 9760 STS					3325, 3365					2001-99		3	31T	925
2007-03		2	31T	750	1995-94			24F	600	9320T, 9420T				
9570 STS					6100					2007-01		3	31T	925
2011-07			5D	1400	2000-96			27	650	9430T, 9530T, 9630T				
9600					6200					2011-07		3	31T	925
1998-94		2	27	620	1998-94			31T	950	9460RT, 9510RT, 9560RT				
9650 Cylinder/Walker					6300					2013-12		3	31T	925
2003-99		2	27	650	1998-94		2	31T	420	9460T				
9650 Single Tine Separator, 9750 Tine Separator					6600					2009-07		2	27	650
2003-99		2	27	650	2000-94			27	650	9520T				
										2007-02		3	31T	925

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YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
JOHN DEERE (Cont.)					JOHN DEERE (Cont.)					JOHN DEERE (Cont.)				
Tracked Ag Tractors (Cont.)					Tractors - 2-Wheel Drive (Cont.)					Tractors - Mechanical Front Wheel Drive (Cont.)				
9620T					7220, 7320, 7420, 7520					1023E, 1026R				
2007-04		3	31T	925	2006-02			4D	1200	2013-11			22NF	500
Tractors					2006-02			5D	1400	2305				
4020 (43 - 58hp)					7330 Premium					2011-05			22F	500
2004-02			3ET	620	2011-06			5D	1400	2320				
Tractors - 2-Wheel Drive					7330 Premium, 7430 Premium					2012-06			22NF	500
755					2011-06			4D	1200	2520				
1999-94			22F	490	7405					2012-05	Diesel	2	3EH	850
790					2001-97	58		31T	925	2012-05	Gas & LP		3ET	460
2008-98			22NF	500	7430					2720				
1999-94	S/N -615000		22F	490	2008-06			4D	1200	2012-08			22NF	500
1999-94	S/N 615001-		45	500	7510					3005				
955					2001-98	2,58		31T	925	2012-09			22NF	500
1999-94			45	500	7520					3032E, 3038E				
990					2006-02	Diesel	2	7D	975	2013-09			22NF	500
2008-99			27F	650	7530 Premium					3120				
4100					2011-09			4D	1200	2010-05			22F	500
2000-97			51	435	2011-09			5D	1400	3203				
4200, 4400					7610, 7710					2009-06			22F	500
2000-99			22NF	500	2003-94	2,58		31T	925	3320, 3520, 3720				
4210					7630 Large Frame, 7730 Large Frame					2013-05			22F	500
2005-01			22NF	500	2010-06	2		31T	925	4005				
4300					7720, 7820, 7920					2012-09			34	770
2000-99			22F	500	2006-03	2		31T	925	4010, 4110				
4310					7800					2005-01			51	435
2004-01			22NF	500	1995-94	2,58		31T	950	4100				
4455					7810					2002-99			51	435
1996-94		2	31T	950	2003-96	2,58		31T	925	4105				
4500, 4600					7830 Large Frame, 7930 Large Frame					2013-07			22NF	500
2000-99			27F	650	2010-06	2		31T	925	4115, 4210				
4510, 4610					8100, 8200, 8300, 8400					2005-01			22NF	500
2004-01			48	690	1999-94	2,58		31T	950	4120, 4320, 4520, 4720				
4710					8110, 8210, 8310, 8410					2013-04			34	770
2004-02			48	690	2001-99	2		31T	925	4200, 4400				
5105, 5205					8225R, 8345R					2000-99			22NF	500
2007-99			31T	700	2011-09	2		31T	925	4300				
2007-99	Optional		31T	925	Tractors - 4WD Articulated					2000-99			22F	500
5200, 5300, 5400					9100, 9400					4310, 4410				
1998-94	Optional w/o Cab		31T	925	2001-96	2		31T	925	2004-01			22NF	500
1998-94	w/Cab		31T	750	9120, 9220, 9320, 9420, 9520					4500, 4600, 4700				
1998-94	w/o Cab		31T	700	2007-01	3		31T	925	2000-99			27F	650
5210, 5310, 5410, 5510					9200					4510, 4610, 4710				
2000-98			31T	700	2001-96	3		31T	925	2004-01			48	690
2000-98	Optional		31T	925	9230					5045D, 5045E, 5055D, 5055E, 5075E				
5220, 5320, 5420, 5520					2011-07	2		31T	925	2012-09			27	650
2004-01			31T	925	9300					5065E				
5303					2001-96	58		31T	925	2013-11			27	650
2010-08			31T	750	9330, 9430, 9530, 9630					5065M, 5083E Limited, 5093E Limited, 5095M				
5403					2011-07	3		31T	925	2011-09			31T	925
2013-02			31T	750	9360R, 9410R, 9460R, 9510R, 9560R					5075M, 5085M				
5500					2013-12	3		31T	925	2013-09			31T	925
1998-96	Optional w/o Cab		31T	925	9620					5083E, 5100M, 5101E, 5115M				
1998-96	w/Cab		31T	750	2007-04	3		31T	925	2013-11			31T	925
1998-96	w/o Cab		31T	700	Tractors - Compact Utility					2013-12			31T	925
6400					670					5101E Limited, 5105M				
2001-95		2	31T	420	1997-94			45	500	2011-09			31T	925
6500					770					5210, 5310, 5410, 5510				
2000-96			27	650	1998-94			24	550	2000-98			31T	700
1998-96		2	31T	420	970, 1070					2000-98	Optional		31T	925
7130, 7130 Premium, 7230, 7230 Premium, 7330					1998-94			30H	625	5225, 5325, 5425, 5525				
2011-06			4D	1200	5103, 5203					2008-04			31T	925
2011-06			5D	1400	2008-03			31T	750	5625				
7200R, 7215R, 7230R, 7260R, 7280R, 8235R					Tractors - Mechanical Front Wheel Drive					2008-07			31T	925
2013-11		2	31T	925	990					7200R, 7215R, 7230R, 7260R, 7280R, 8235R				
7210, 7410					2008-05			27F	650	2013-11		2	31T	925
2001-94		2,58	31T	925										

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YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
JOHN DEERE (Cont.)					KORVAN CORPORATION (Cont.)					MASSEY - FERGUSON INC. (Cont.)				
Tractors - Mechanical Front Wheel Drive (Cont.)					Olive Harvester					Swathers (Cont.)				
7210, 7410, 7610					5000					MF 9420				
2000-96		2,58	31T	925	2006-00			25	660	2007-05		2	31T	950
7510					Raisin Harvester					Tractors				
2000-98		2,58	31T	925	2000					1200 Series, MF 1205 - 4, MF 1215 - 2/4				
7710					2006-04			25	660	2005			24	585
2003-96		2,58	31T	925	3016					4300 Series Low Profile, 6200 Series, 8200 Series				
7720, 7820, 7920					2007-06			25	660	2004-02		2	24	800
2006-03		2	31T	925	2004-02			25	660	GC 2300, MF 220XL, MF 1455 - 4				
7810					Raspberry/Blueberry Harvester					2005			24	700
2001-96		2,58	31T	925	8000					MF 27XE - 2/4WD, MF 251XE - 2/4WD				
8100, 8200, 8300, 8400					2006-96			25	660	2004-02			27F	575
1999-96		2,58	31T	950	LONG MFG. N.C. INC.					MF 243, MF 263				
8110, 8210, 8310, 8410					Farm					2000-97			27F	575
2001-99		2	31T	925	360					MF 281XE - 4WD, MF 451 - 2/4WD				
8120, 8220, 8320, 8420, 8520					1996			4EH	850	2004-02			27F	575
2005-01		2	31T	925	2260, 2310, 2360, 2460, 2510, 2610					MF 471 - 2/4WD, MF 481 - 2/4WD				
2009-05		2	31T	925	1997-94			30H	650	2004-02			27F	575
8260R, 8285R, 8310R, 8335R, 8360R					MAC DON INDUSTRIES LTD.					MF 1225 - 2/4, MF 1230 - 2/4, MF 1233 - 2/4				
2013-11		2	31T	925	Windrowers					2005			24	585
8570, 8770, 8870					3020 Pull Type					MF 1235 - 4, MF 2315 - 2WD				
1998-94		2	31T	950	2008-05			27	620	2005			24	585
8970					9250					MF 1250 - 2/4, MF 1260 - 4				
1998-94		3	31T	950	2007-94			27	620	2005			24	675
Tractors - Utility					9350					MF 1417 - 4, MF 1423 - 4, MF 1428 - 2/4				
2210					2003-94			27	620	2005			27	675
2006-03			51	435	9350C					MF 1429 - 4, MF 1433 - 4, MF 1433v - 4, MF 1440				
Wheeled Harvester					2006-05			27	620	2005			27	675
1070D					9352					MF 1440v - 4				
2008-02		2	31T	950	2003-02			27	620	2005			27	675
Windrowers					9352i					MF 3315 GE 4WD, MF 3315 S 4WD				
3430, 3830					2006-03			27	620	2005			49	750
1996-94			31T	700	M100					MF 3315 V 4WD, MF 3330 GE 2/4WD				
A400					2011-08		2	29H	750	2005			49	750
2012-09			31T	925	M150					MF 3330 S 2/4WD, MF 3330 V 2/4WD				
D450					2011-07		2	29H	750	2005			49	750
2013-11			31T	925	M200					MF 3340 F 2/4WD, MF 3340 GE 2/4WD				
R450					2010-07		2	29H	750	2005			49	750
2013-09			31T	925	MASSEY - FERGUSON INC.					MF 3340 V 2/4WD, MF 3350 F 4WD				
Windrowers - Self Propell					Combines					MF 3350 GE 4WD, MF 3355 F 4WD				
4890					9690, 9790					2005			49	750
2001-96		2	24	550	2008-01		2	31T	800	MF 3355 GE 4WD				
4895					9695, 9795					2005			49	750
2009-01			31T	925	2011-08		2	31T	800	MF 4325, MF 4335, MF 4345, MF 4355, MF 4360				
4990					9895					2005		2	34	710
2002-99	S/N -163100	2	24	550	2011-06		2	31T	800	MF 4355 2/4, MF 4360 2/4, MF 4370 2/4				
2002-99	S/N 163101-		31T	925	Compact Tractors					2004-02	34 or 78 Group	2	34	800
4995					1165 Compact Tractor					MF 4370				
2009-02			31T	925	2005			27	675	2005		2	34	710
KIOTI					Farm					MF 8780				
Tractors					MF 240, MF 250					2004-02		2	31T	800
CK20, CK20HST, LB1914					1998-94			24	545	MF5400 Series, MF5400SA Series, MF6400 Series				
2008-05			24	450	MF 394F, MF 394S					2007-06			24	800
CK30					2000-95			24	500	MF7400 Series, MF8400 Series				
2008-05			24	675	MF 1230					2007-06			24	800
DK Series					1998-94			24	585	Tractors - 2-Wheel Drive				
2008-06			24	450	MF 3245, MF 3260, MF 3270, MF 3280					MF 6170, MF 6180				
LK 3054X5, LK2554					1999-98		2	24	600	1999-95		2,14	48	660
2007-05			24	450	MF 4270					MF 6255, MF 6260, MF 6265, MF 6270, MF 6280				
KORVAN CORPORATION					2000-97		2	24	590	2006-99		2,14	48	510
Harvesters					MF 8785					MF 6290				
930 R, 9000 R, 9800 R					1998-94		2,14	48	660	2006-99		2,14	48	510
2007-06			25	660	Swathers					MF 8220				
2004-02			25	660	MF 9220					2006-99		2	31T	800
					2011-05			31T	950					

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YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	ENGINE/ OPTIONS	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
MASSEY - FERGUSON INC. (Cont.)					STEIGER				
Tractors - 2-Wheel Drive (Cont.)					Tracked Ag Tractors				
MF 8240, MF 8250, MF 8260, MF 8270					350, 400, 450, 450 Quadtrac, 500, 500 Quadtrac				
2013-99		2	24	800	2013-11		2	4DLT	1000
MF 8245					550, 550 Quadtrac, 600, 600 Quadtrac				
2004-02		2	24	800	2013-11		2	4DLT	1000
MF 8280					STX375 QUADTRAC, STX425 QUADTRAC				
2013-99		2	24	600	2005-01			31T	660
Tractors - Low Profile					STX380 QUADTRAC, STX430 QUADTRAC				
4300 Series Low Profile					2007-06			31T	660
2005		2	34	710	STX440				
Tractors - Mechanical Front Wheel Drive					2001-00			31T	660
MF 6170, MF 6180, MF 8120					STX450 QUADTRAC				
1999-95		2,14	48	660	2005-01			31T	660
MF 6255, MF 6260					STX480 QUADTRAC, STX530 QUADTRAC				
2005-99		2,14	48	510	2007-06			31T	660
MF 6265, MF 6270, MF 6280, MF 6290					STX500 QUADTRAC				
2006-99		2,14	48	510	2005-04			31T	660
MF 8220					Tractors - 4WD Articulated				
2006-99		2	31T	800	335, 385				
MF 8240, MF 8250, MF 8260, MF 8270, MF 8280					2010-07		2	4DLT	1000
2006-99		2	24	800	435, 485, 535				
MF 8245					2011-07		2	4DLT	1000
2004-02		2	24	800	STX275, STX325, STX375				
MF 8680					2005-00			31T	660
2013-06		2	31T	800	STX280, STX330, STX380, STX430, STX480				
Tractors - Sub-Compact					2007-06			31T	660
MF GC					STX425, STX450				
2007-06			24	700	2005-01			31T	660
Windrowers					STX500				
MF 9225					2005-04			31T	660
2009-06			31T	950	STX530				
MF 9425					2007-06			31T	660
2006		2	31T	950	VERSATILE				
MELROE COMPANY					Farm				
Farm					744				
1995-94	Gas		24	400	1999-94			4DLT	750
320, 322, 325, 328, 331, 337					YANMAR				
2000-94	Diesel		26	500	Tractors - Mechanical Front Wheel Drive				
864					EX2900, EX3200				
2000-99			24	600	2013-11			24	540
1998-96			31T	950	SC2400				
963					2013-10			24	540
2000-99	Diesel		24	600					
1998-97	Diesel		31T	950					
3000									
1995-94	Diesel		24	575					
3640									
2000-96			30H	475					
OWATONNA MFG. CO.									
SHAKERS									
1995-94	Magnum Monobeam		65	850					
SMITHCO									
Self Propelled Sprayers									
SPRAY STAR 1002, SPRAY STAR 1008									
2013-08			24F	575					
SPRAY STAR 1010, SPRAY STAR 1602									
2013-08			24F	575					
SPRAY STAR 1604, SPRAY STAR 1610									
2013-08			24F	575					
SPRAY STAR 1752, SPRAY STAR 1752D									
2013-08			24F	900					
SPRAY STAR 1754, SPRAY STAR 3182									
2013-08			24F	900					

Lawn & Garden / Small Engine

YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	
AGCO ALLIS					ARIENS/GRAVELY (Cont.)					ARIENS/GRAVELY (Cont.)					
Garden Tractors					Commercial Riding Mowers (Cont.)					Rear Engine Riders (Cont.)					
2013-06	1723H, 1723PS		U1	340		Pro Master 300 Series		U1			1330, 1332		B12A-A		
2013-06	2027H, 2027LC		51	500		Pro Master 30H		26R		2004-01	13900 Series		U1	235	
2005-98	918H		26R	390		Pro Master 400 Series		24F		2006	1440 Hydro		U1	235	
Gear Lawn Tractors						Pro Master 60		70			14532 Hydro		U1	235	
	1615G		U1	200		Pro Master ATM 72		26			RER 10/28 Hydro		U1	235	
	1640		U2	235		Professional 10		26R			RER 12/32 Hydro		U1	235	
	1716G, 409G		U1	200		Professional 10QS		26R			RER 14/40 Hydro		U1	235	
	411G, 412G, 512G		U1	200		Professional 12		26R		Snowblower					
	514G, 515G		U1	200		Professional 12G		26R			Sno-Thro ST-1336		U1		
	516VH		U1	200		Professional 12QS		26R			Zoom 2050		U1	235	
Hydrostatic Garden Tractors						Professional 16		26R			Zoom 2250		U1	235	
	1618H, 1716H		U1	340		Professional 16G		26R		Tillers					
	1717H, 1718H		U1	340		Professional 18G		26R		1995-94	91400 Electric-start		B12A-A		
	1720H		U1	340		Professional 20G		26R		Zero-Turn Mowers					
	1820H, 1820H PS		51	500		Professional 24G		26R		2004-03	1232, 1540		U1	235	
	1823H PS		51	500		Professional 8		26R		2009-03	1640, 2552		U1	235	
	1918H, 1920H		22F	390	EZ Rider						2009-05	1840, 2044		U1	235
	2020H, 2020LC		51	500		(Briggs), EZR 1440		U1	235	2005-03	1944, 2148, 2352		U1	235	
	2023H, 2024H		51	500		EZR 1640		U1	235	2009-05	2044XL, 2348		U1	235	
	2025H		51	500		Garden Tractors					2009-05	2348XL		U1	235
	918PS		26R	390		1340, 2200, 2548		U1	235	1999-96	EZR 1540		U1	235	
Hydrostatic Lawn Tractors						929000 Series		U1R		2003-99	EZR 1542		U1	235	
	1316H, 1614HV		U1	340	1996-94	931000 Series		U1R	235	1999-96	EZR 1648		U1	235	
	1615H, 1615HC		U1	340	1996-94	934000 Series		U1R	235	2003-99	EZR 1742		U1	235	
	1616H, 1617H		U1	340		935000 Series		U1R	235	2003-99	EZR 1842		U1	235	
	512H, 515H, 517H		U1	200		936000 Series		U1R	235	2003-00	EZR 2048		U1	235	
Hydrostatic Riding Mowers						GT-736E, GT-836		U1	235	2003-00	EZR 2050		U1	235	
	411G, 412H, 413H		U1	200		HT16, HT18		U1R	235	2009-05	Mini Zoom 1534		U1	235	
Lawn Tractors						Imperial Models (Rear Engine Riders)					Sport Zoom 1232		U1	235	
2005-00	1614VH		U1	340		RM 1328E		B14-A2		Sport Zoom 1440		U1	235		
2013-06	1620HV		U1	340		RM 1330		B14-A2		Zoom 1440		U1			
2005-98	514H		U1	200		RM 1332E		B14-A2		Zoom 1640		U1	235		
2005-99	516H		U1	200		RM 8028, RM 828E		B14-A2		Zoom 1844		U1	235		
2013-06	520H, 522H, 524H		U1	200		RM 8530		B14-A2		Zoom 2048		U1	235		
Rear Engine Riders						Lawn & Yard Tractors					Zoom 2252XL		U1	235	
2003-97	414G		U1	200		901000 Series		B12A-A		Zoom 2252		U1	235		
2003-98	414H		U1	200		YT10, YT11		U1		ATLAS TOOL & MFG. CO.					
2003-01	416H		U1	200		YT12/32, YT12/38		U1R		Lawn & Garden Equipment					
Zero-Turn Mowers						YT14/38		U1R			ER2600, ER2650		12N9-3A		
2000-98	ZT1438, ZT1644		U1	340		Lawn Tractors					ER2680		12N9-3A		
2000-98	ZT1850		U1	340		2005-01	1542	U1	235	ER3000		U1			
Zero-Turn Radius Riders						2000-98	1548H	U1	235	ER3280		12N9-3A			
	ZT14H		U1	235		2000-97	1648H	U1	235	ER7130		U1			
	ZT1638		U1	340		2005-00	1742, 2048	U1	235	BAD BOY					
	ZT16H, ZT18H		U1	235		2001-00	2248	U1	235		5200 Series		U1	300	
AIR ELECTRIC MACHINE CO.						Mowers						6000 Series		U1	300
Lawn & Garden Tractors						2007	Zoom 1634	U1	235		720S Series		U1	300	
	380, DS-25, DS-30		U1	235		2007	Zoom 1840	U1	235		Junior 60		U1	300	
ALLIS-CHALMERS						2007	Zoom 2350	U1	235		K27 Pro Series		U1	300	
Lawn & Garden Equipment						2006	Zooms - Series	U1	235		K29 Pro Series		U1	300	
	405, 508		B9-B			Other						Senior 72		U1	300
ARIENS/GRAVELY						IHDE-130		U1	235	BEAR CAT					
Commercial Riding Mowers						IHSE-126		U1	235	Chipper/Shredders					
	1330, 1332, 8028		B14A-A2			IHSE-408		U1	235		70554, 73525		U1	250	
	8530		B14A-A2			RHE-126		U1	235		74554, 74800		U1	250	
	912000 Series		B12A-A			RTH-132		U1			74821, 75124		U1	250	
	914000 Series		U1	235		Rear Engine - Sierra Models						LL145		U1	250
	925000 Series		B12A-A			1340G, 1340H		U1	235	Commercial Chippers					
	927000 Series		B12A-A			1440G, 1440H		U1	235	1999-96	71014, 71825		U1	250	
	Commercial 10		26R			1450H, 1540H		U1	235	2013-96	71020, 72928		U1	250	
	Commercial 12		26R			1640H		U1	235	2013-02	71620, 72620		U1	250	
	Commercial 12G		26R			Grand Sierra 2200 (GS22H)		U1R	235	2001-96	72825		U1	250	
	Commercial 20G		26R			High Sierra 1640H		U1	235	2001-99	73120, 73125		U1	250	
	Commercial 5260		26R			High Sierra 1848		U1	235	2013-96	73413		U1	250	
	Commercial 5645		26R			High Sierra 1848H		U1	235	2013-99	73420		U1	250	
	Commercial 812		26R			Rear Engine Riders					2001-99	74520		U1	250
	Commercial 816S		26R			1028		B12A-A		2013-03	74624, 74628		U1	250	
	Commercial 818		26R			2006	10528 Hydro	U1	235	2013-01	74824, 75524		U1	250	
	Comm-Rider 18		U1R			2004	1232 Hydro	U1	235	2013-04	77412		U1	250	
	Convertible Super		26R			2003-02	1232	U1	235	2011-04	77413		U1	250	
	Pro Master 18G		26R				Hydro/ST1336	U1	235	Shredders					
	Pro Master 20G		26R				12900 Series	U1	235	2013-94	70050		U1	250	
										2013-98	70080		U1	250	
										2013-01	70085, 70180		U1	250	

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BEAR CAT (Cont.)					BRANSON TRACTORS					BUSH HOG (Cont.)				
Shredders (Cont.)					Tractors					Zero-Turn Mowers (Cont.)				
2011-01	70150		U1	250		2810, 3510, 3520		29H	350	2013-06	PZ3061, PZ3073		U1R	260
2013-96	70380, 70530		U1	250		4020, 4520		29H	350	2003-98	ZT18, ZT22		U1R	260
2013-99	70385		U1	250	BUNTON					2003-98	ZT22-W		U1R	260
2013-96	70580		U1	250	Lawn & Garden Tractors					2003-99	ZT25, ZT30-D		U1R	260
Truck Vac						Lawn Lark 32		U1R	190	CARTER BROTHERS				
	74950		U1	250		Lawn Lark 36		U1R	190	Lawn & Garden Equipment				
BIG DOG					Lawn & Garden Tractors: Diesel						EZ-502, EZ-502C		B12A-A	
Commercial Walk-Behind Mowers						All ex. Lawn Lark 32 & 36		U1	190		EZ-702, EZ-702C		B12A-A	
2013-11	T Series, A Series		U1R	225	Mid-Size Walk-Behinds					CASE, J.I.				
Zero-Turn Mowers						B27LB, B28LB		U1	190	Compact Tractors				
2013-11	C Series, R Diablo		U1R	225		B32L, B36, B48		U1	190		108XC, 110XC		U1	
2013-11	R Powerbar		U1R	225		B52, BHC 36		U1	190		116XC, 210, 220		U1	
2013-11	R Series		U1R	225		BHC 48, BHC 52		U1	190		222, 444, 446, 448		U1	
2013-11	X Diablo		45	480		BHC 61, BHT 36		U1	190		M-80		B12A-A	
2013-11	X Series		U1R	225		BHT 48, BHT 52		U1	190	CASTEC				
BOB-CAT						BHT 61, 61, 71		U1	190	Commercial Mowers				
Walk Behinds					Riding Rotary Mowers						326D & 424D		26	450
	BZT 1250		U1	250		BHR 52, BHRC 52		U1	190	CLIPPER				
	BZT 2000		U1	250	Walk-Behinds, Commercial					Commercial Front Cut				
	BZT 2250		U1	250		14 Hp, 15 Hp		U1	190		4820, 6020		U1	400
	BZT 3310		26	450		17 Hp, 20 Hp		U1	190		6023D, 6024G		U1	365
	Electric Start		U1	250		21 Hp, 36 inch Cut		U1	190		7223G, 7224G		U1	365
Zero-Turn Mowers						48 inch Cut		U1	190	COLUMBIA (MTD, INC.)				
2009-05	220ES		U1	250		54 inch Cut		U1	190	Lawn & Garden Equipment				
2011-10	Fastcat		U1	250		61 inch Cut		U1	190		387, 397, 455, 485		U1	
2013-10	Fastcat Pro 942406H		U1	250		BBK 36, BBK 48		U1	190		495, 497, 525, 667		U1	
2013-10	Fastcat Pro 942407H		U1	250	Zero-Turn Mowers						760		U1	
2009-99	ZT-125		U1	250	2007-05	BZT-1250		U1	190		960 & 990		22NF	
2009-04	ZT-219		U1	250	2007-97	BZT-2190		U1	190	COMMERCIAL CLIPPER				
2009-04	ZT-219		U1R	250	2004-99	BZT-2230		U1	190		1810 & 2010		U1	
2009-04	ZT-220		26	450	2007-98	BZT-2250		U1	190	COUNTRY CLIPPER				
2003-99	ZT-223		U1	250	2004-99	BZT-3310		U1	190	All Residential Models				
2003-99	ZT-223		U1R	250	2007-04	Estate Pro		U1	190		ALL Residential Models		U1	350
2009-04	ZT-225		U1	250	Zero-Turn Radius Riders					Mid Mount Zero Turn Mowers				
2009-04	ZT-225		U1R	250		31Hp Twister Rider		26R	560		2304 KA, 2304M		U1	350
2009-04	ZT-227		U1	250		BBM 50C		U1	190		2304MT, 2504M		U1	350
2003-99	ZT-331		U1	250		BBM 60C		U1	190		2504MT, 2505KAJ		U1	350
Zero-Turn Radius Riders						BBMC 50C		U1	190		2505KAT		U1	350
	218ES, LEO 17Hp		U1	250		BBMC 60C		U1	190		2505KOJ		U1	350
	LEO 18Hp		U1	250		BBMH 50C		U1	190		2506KOT		U1	350
	LEO 25Hp		U1	250		BBMH 60C		U1	190		2506KOJ		U1	350
	ZT-218 ES, ZT-226		U1	250		BZT 31		55		Zero-Turn Mowers				
	ZT-228 EFI		U1	250		BZT 48, BZT 52		U1	190	2013-04	Charger		U1	350
BOLENS						BZT 61, BZT 72		U1	190	2009-04	Jazee One Series		U1	350
Lawn & Garden Tractors: Diesel						BZT-2180 ES		U1	190	2013-04	Jazee Pro Series		U1	350
	All ex. G2702 & G2704 Diesel		45			BZT-2200		U1	190	2009-04	Jazee Series		U1	350
	G2702 Diesel		24			BZT-2200-D (Diesel)		26	450	2006-04	Jazee Two Series		U1	350
	G2704 Diesel		24			BZT-2230LC		U1	190	2013-04	The Boss		U1	350
Lawn & Garden Tractors: Gas						BZT-2260EFI		U1	190	2013-11	Wrangler		U1	350
1997-94	1000 Series		U1	280		BZTC 48, BZTC 52		U1	190	Zetron Boss Series				
1997-94	13000 Series		U1	280		BZTC 61, BZTC 72		U1	190		2707KOJ		U1	350
1997-94	1400 Series		U1	280	BUSH HOG						2707KOT		U1	350
1997-94	1600 Series		U1	280	Zero-Turn Mowers					Zetron Brats (Sit Down - Front Mower)				
	2000 Hydro Series		26R	235	2010-06	CZ2149, CZ2349		U1R	260		1706KAJ, 1706KAT		U1	190
	2000 Series All Except Hydro		U1	280	2010-06	CZ2355, CZ2555		U1R	260		1906KAJ, 1906KAT		U1	190
1997-94	3000 Series		U1	280	2010-06	CZ2561		U1R	260	Zetron Series				
	G-10, G-8		U1	280	2010	CZ2561K		U1R	260		2203F, 2203M		U1	350
	HT23		26R	235	2011-04	ES1744, ES2052		U1R	260		2204M, 2503F		U1	350
	Husky 1050		U1	280	2006-04	ES1844, ES1852		U1R	260		2503M, 2605 KOT		U1	350
	Husky 2027		U1	280	2011-06	ES2044, ES2352		U1R	260		2605KOJ		U1	350
	Husky 2028		U1	280	2008-07	ES2344		U1R	260	CUB CADET				
	Husky 2030		U1	280		M2254, M2255		U1R	260	Garden Tractors				
	Husky 2036		U1	280		M2260, M2261		U1R	260	2004-00	2146		U1	235
	Husky 2133		U1	280		M2355, M2360		U1R	260	2004-98	2176		U1	235
	Husky 728	B9-B			2006-03	M2355A, M2555K		U1R	260	2004-99	2186		U1	235
	Husky 770	B9-B				M2361, M2554		U1R	260	2004-97	2206		U1	235
	Husky 829	B9-B				M2560, M2561K		U1R	260					
	Husky 850	U1		280		M2561, M2661		U1R	260					
	Husky Hydro Series		26R	235	2006-03	M2672		U1R	260					
	STG 125, STH 125		U1	280	2006-03	M2673, M2761		U1R	260					
					2011-06	PZ2555, PZ2755		U1R	260					
					2009-06	PZ2561		U1R	260					
					2011-06	PZ2861, PZ2873		U1R	260					

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CUB CADET (Cont.)					CUB CADET (INTERNATIONAL HARVESTER) (Cont.)					DEUTZ (ALLIS-CHALMERS) (Cont.)				
Garden Tractors (Cont.)					Lawn & Garden Tractors					Lawn & Garden Equipment (Cont.)				
2004-99	3184		51	450		1027		U1	235		1920 ex. 1989 model		22NF	
2004-98	3206, 3208		51	450		1106		B14L-A2			200 Series		26R	
2004-96	3235		51	450		111		U2			405, 508		B9-B	
2004-01	3240		51	450		1136		B14L-A2			600 Series		U1	
2013-05	GT1554, GT2542		U1	245		1170, 1180, 1212		U1	235		700 Series ex. 720 model		26R	
2013-05	GT2544, GT2550		U1	245		1250		U1	235		720 model		70	
2013-05	GT2554		U1	245		128, 129		U1			800 Series		26R	
2013-05	GT3100, GT3200		51	435		1450		U1	235		900 Series		26R	
Lawn Tractors						149		U1			Diesel: 5220		27F	
2013-05	LT1040, LT1042		U1	245		1512		22F	500		Diesel: 5230		27F	
2013-05	LT1045, LT1046		U1	245		1512, 1515, 1517		U1	235		DEVERE-LOCKE			
2013-05	LT1050, SLT1550		U1	245		1572		22F	500		25, 31-V, 31-VR		U1	165
2013-05	SLT1554		U1	245		1572, 1650		U1	235		EP		22NF	165
Walk Behind Rotary Mowers						169		22F	500		TR60		U1	165
2004-00	5521		26R	500		1772		U1	235		TR-9 & TR-12 1/2		U1R	165
Zero-Turn Mowers						1772, 182		B14L-A2			DIXIE CHOPPER			
2004-01	3648		51	450		182		U2			Sit Down, Mid-Mount Mowers			
2004-99	3654, 3660		51	450		182		U1	235		LX2201, XF2500		U1	300
2009-05	Enforcer 44		U1	245		2166, 2518, 2523		U1	235		XF2600		U1	300
2009-05	Enforcer 48		U1	245		282		B14L-A2			XFD2600		51	450
2009-05	Enforcer 54		U1	245		282		U2			XW2400, XW2500		U1	300
2009-00	M48-KW TANK		U1	245		282		U1	235		XWD2600-60		51	450
2009-05	M50-KHS TANK		U1	245		364, 365, 365L		B14L-A2			XWK2501		U1	300
2004-00	M54-KH		U1	245		382		U2			XWK2503		U1	300
2009-00	M54-KW TANK		U1	245		382		B14L-A2			XXW2500		U1	300
2009-00	M60 TANK		U1	245		382H		U1	235		XXXWDS5000		51	450
2009-05	M72 TANK		U1	245		382H		B14L-A2			Zero-Turn Mowers			
2013-12	RZT S 42		U1	245		382H		U2			5018, 5020, 5024		U1	300
2013-12	RZT S 46		U1	245		4204		51	450		6024, LX2001		U1	300
2013-12	RZT S 50		U1	245		445		U1	355		2013-10 Classic 2750		U1	300
2013-10	RZT-42		U1	245		482, 502		B14L-A2	235		2013-10 Classic 2760		U1	300
2013-10	RZT-50 KH		U1	245		514, 518		26R	500		2013 Classic 2960 EFI		U1	300
2013-10	RZT-50 KW		U1	245		5234 D, 5252, 5254		U1	235		2009-03 LP3000, LT2000		U1	300
2013-10	RZT-54 KH		U1	245		583		B14L-A2			2009-03 LT2200, LT2500		U1	300
2013-10	RZT-54 KW		U1	245		583		U1	235		2009-03 LT2700, RB2700		U1	300
2011-10	Tank L48		U1	245		602		26R	500		2013 Magnum 2244		U1	300
2011-10	Tank L60		U1	245		610		U1	235		2013 Magnum 2250		U1	300
2013-12	Tank LZ 48		U1	245		702		26R	500		2013 Magnum 2350 EFI		U1	300
2013-12	Tank LZ 54		U1	245		7192, 7194, 7195		26R	500		2013 Magnum 2460		U1	300
2013-12	Tank LZ 60 KH		U1	245		7200, 7205, 7234		26R	500		2013-10 Silver Eagle 2550		U1	300
2013-12	Tank LZ 60 KW		U1	245		7235, 7252, 7254		26R	500		2013-10 Silver Eagle 2734		U1	300
2011-10	Tank M54-KH		U1	245		7260, 7264, 7265		26R	500		2013-10 Silver Eagle 2744		U1	300
2011-10	Tank M60-KH		U1	245		7273, 7300, 7305		26R	500		2013-10 Silver Eagle 2750		U1	300
2013-10	Tank M72-KW		U1	245		7360SS		26R	500		2013-10 Silver Eagle 2760		U1	300
2011-10	Tank S 6031 LP		U1	245		76		U2			2013 Silver Eagle 2760KW		U1	300
2011-10	Tank S 6032 D		U1	245		7800		26R	500		2013 Silver Eagle 2960 EFI		U1	300
2011-10	Tank S 7237 LP		U1	245		80		B14L-A2			2009-03 SP2800, X2703		U1	300
2013-12	Tank SZ 48		U1	245		800, 804		U2			2009-03 SP3200, X2001		U1	300
2013-12	Tank SZ 60		U1	245		81		B14L-A2			X2503, XF2700		U1	300
2013-10	Z Force 48		U1	245		830		26R	500		2009-03 XFG2700, XG2503		U1	300
2013-10	Z Force 54		U1	245		8354 SS		U2			2009-03 XG2703, XT3300		U1	300
2011-10	Z Force S 46		U1	245		85, 85 Special, 86		22F	500		2009-03 XK2503, XT3200		U1	300
2011-10	Z Force S 48		U1	245		87		U1	235		2009-03 XWD3500		U1	300
2011-10	Z Force S 48 LP		U1	245		882		U2			2009-03 XWF2700		U1	300
2011-10	Z Force S 52		U1	245		882, 982		26R	500		2009-03 XXG2703		U1	300
2011-10	Z Force S 54		U1	245		LT 1024, LT 2180		U1			2009-03 XXG5400		U1	300
2011-10	Z Force S 60		U1	245		Sit Down Under Seat Mowers					2009-03 XXW4600		U1	300
2011-10	Z Force S 60 LP		U1	245		All Models					2009-03 XXW4600		U1	300
2013-12	Z-Force S 48 Commercial		U1	245		Z-Series					2009-03 XXWD3500		U1	300
2013-12	Z-Force S 60 Commercial		U1	245		The Tank M 72		U1			2002-98 XXWDS5000		U1	300
CUB CADET (INTERNATIONAL HARVESTER)						Z42, Z48, Z48L35		U1			DIXON			
Garden Tractors						Z54, Z54L35		U1			Economy Tractor			
	AGS 2130		U1	275		CUSHMAN					PK1212, 308, 424			
	AGS 2150		U1	275		Turf Vehicles					Riding Mowers			
	AGS 2160		U1	275		Front Line		24			425		U1	250
	All other Diesel Models		22F	500		Turf Truckster		24			425		U1R	250
	All other Gas Models		U1	275		DEUTZ (ALLIS-CHALMERS)					426		U1	250
	HDS 2135		U1	275		Lawn & Garden Equipment					426, 427		U1R	250
	HDS 2155		U1	275		1036, 1814, 1816		U1			4500 Series, HL30		U1	250
	HDS 2165		U1	275		1817		U1			Speed Ztr Line			
	HDS 2185		U1	275		1914, 1916		26R			HL36, All		U1	250
						1918 ex. 1989 model		22NF						

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DIXON (Cont.)					DYNAMARK (AMF LAWN & GARDEN) (Cont.)					EXMARK (Cont.)				
Zero-Turn Mowers					Riding Mowers (Cont.)					Commercial Walk-Behind Mowers (Cont.)				
2010-06	Black Bear 34		U1	250		5297, 8-Hp Rider A3611		U1	230	2003-98	Viking Hydro		U1	245
2010-06	Black Bear 44		U1	250				U1	230	Lawn & Garden Equipment				
2009-05	Grizzly ZTR 30		U1	250	E.T. RUGG COMPANY					Riding Rotary Turf Mowers				
2009-05	Grizzly ZTR 52		U1	250	Lawn & Garden Equipment					2003-94	Turf Ranger		U1	245
2009-05	Grizzly ZTR 60		U1	250		5049-E2, 5049-E4		U1		Walk Behind Rotary Mowers				
2009-05	Grizzly ZTR 72		U1	250		5069-E, 5088-E		U1		2013-02	Metro 21 Series		U1	245
2011-05	Kodiak ZTR 50		U1	250		5089-E, PK1212		U1		2013-04	Metro 26 Series		U1	245
2009-05	Mountain Kodiak ZTR 50		U1	250	ENCORE					Zero-Turn Mowers				
2009-05	Mountain Kodiak ZTR 60		U1	250	Prowler Front-Cut					1998-94	Explorer		U1	245
2009-04	Ram 42, Ram 44		U1	250		FC 52in., FC 61in.		U1		2009-04	FrontRunner		U1	245
2013-10	Ram 48 ZT		U1	250		Front Cut 26.5 Diesel		U1R		2009-04	Lazer Z		U1	245
2009-04	Ram 50		U1	250		Mid Cut 22in. Gas		U1		2009-04	Lazer Z AS		U1	245
2009-05	Silvertip ZTR 60		U1	250		Mid Cut 31in. Gas		U1R		2009-04	Lazer Z CT		U1	245
2009-05	Silvertip ZTR 72		U1	250	Prowler Mid-Cut					2011-10	Lazer Z D 60		U1	245
2013-04	Speed ZTR 30		U1	250		MC61in. (22 Hp)		U1		2011-10	Lazer Z D 72		U1	245
	Speed ZTR 36		U1	250		MC72in. (31 Hp)		U1		2013-10	Lazer Z E 48		U1	260
2009-04	Speed ZTR 38		U1	250	Riding Mowers					2013-10	Lazer Z E 52		U1	260
2013-04	Speed ZTR 42		U1	250		36K 250, 48B 350		26R	350	2003-99	Lazer Z EPS		U1	245
2009-04	Speed ZTR 44		U1	250		48B 450, 48K 250		26R	350	2009-97	Lazer Z HP		U1	245
2013-10	Speed ZTR 46		U1	250		60B 350, 60B 450		26R	350	2003-01	Lazer Z Liquid Cooled		U1	245
2013-10	Speed ZTR 48		U1	250	Sit Down, Front Cut					2011-10	Lazer Z S 48		U1	245
2013-10	Speed ZTR 54		U1	250		Prowler Pro 52		U1		2013-12	Lazer Z S 52		U1	245
2013-11	Ultra 52, Ultra 61		U1R	250		Prowler Pro 61		U1		2013-10	Lazer Z S 60		U1	245
	ZTR 1001		U1	250		Prowler Pro 72		26R	350	2013-10	Lazer Z S 72		U1	245
	ZTR 1950		U1	250	Walk-Behinds					2011-10	Lazer Z X 48		U1	245
	ZTR 2300		U1	250		32B 100, 32K 100		U1	175	2013-10	Lazer Z X 52		U1	245
1999-95	ZTR 2301		U1R	250		36K 100, 36K 200		U1	175	2013-10	Lazer Z X 60		U1	245
	ZTR 2560		U1	250		36K 250		U1	175	2003-01	Lazer Z XP		U1	245
	ZTR 2700		70	250		46B 350		22F	350	2009-04	Lazer Z XS		U1	245
2004-98	ZTR 3014		U1	250		48B 350WT		U1			Lazer ZEFI		U1	245
	ZTR 304, ZTR 312		U1R	250		48B 450		22F	350	2009-04	Navigator		U1	245
2004-94	ZTR 3303		U1	250		48B 450WT		U1		2013-10	Navigator 42		U1	245
2004-98	ZTR 3304		U1	250		48K 200		U1		2013-10	Navigator 48		U1	245
1998-95	ZTR 3362		U1R	250		48K 250WT		U1		2009-06	Phazer		U1	245
	ZTR 361, ZTR 428		U1R	250		52B 300, 52B 350		U1		2013-10	Pioneer E-Series 48		U1	245
1998-95	ZTR 4421		U1R	250		52B 450, 56K 200		U1		2013-12	Pioneer E-Series 52		U1	245
1999-96	ZTR 4422		U1R	250		60B 350, 60B 450		22F	350	2013-10	Pioneer S-Series 44		U1	260
2004-98	ZTR 4423		U1	250	Zero-Turn Mowers					2013-10	Pioneer S-Series 48		U1	260
	ZTR 4425		U1	250	2008-04	X-TREME 48, Z-34		U1	190	2013-10	Pioneer S-Series 52		U1	260
	ZTR 4426		U1	250	2013-04	X-TREME 52		U1	190	2013-12	Pioneer S-Series 60		U1	260
2004-96	ZTR 4515B		U1	250	2013-04	X-TREME 60		U1	190	2013-10	Quest 42, Quest 50		U1	245
2004-00	ZTR 4516K		U1	250	2008-96	Z-42		U1	190	2013-12	Vantage 48		U1	245
	ZTR 4518		U1	250	2003-97	Z-48, Z-52		U1	190	2013-12	Vantage 52		U1	245
2004-00	ZTR 5017		U1R	250	Zero-Turn Radius Riders					FERRIS				
2004-01	ZTR 5020		U1	250		42B 350Z		U1		Commercial Walk-Behind Mowers				
	ZTR 5022		U1R	250		48B 450Z		U1		2006-04	Hydro Walk DD		U1	245
2004-95	ZTR 5023		U1R	250	ENGINEERING PRODUCTS COMPANY					2003-94	Hydro Walk SD		U1	245
1999-97	ZTR 5421		U1R	250	Lawn & Garden Equipment					2013-04	Hydrocut		U1	340
	ZTR 5423		U1R	250		Jim Dundy		U1R		Lawn & Garden Equipment				
	ZTR 5424		U1R	250		Power King		22NF			Commercial 52		U1	245
	ZTR 5425		U1	250	EXCEL						Criterion 320		U1	245
1999-97	ZTR 5501		U1R	250		250, 2500 Compact		U1	190		Criterion 430, CTR		U1	245
	ZTR 5502		U1R	250		251, 251K, 260		U1	190		G1418, G1818		U1	245
1999-95	ZTR 5601		U1R	250		261, 262		U1	190		G1820, H1618		U1	245
	ZTR 6022		U1	250		275, 285, 295		24F	460		H1818, H2020		U1	245
	ZTR 6023		U1	250		305D, 320, 340		24F	460	Mid Mount Zero Turn Mowers				
2004-98	ZTR 6025		U1	250		400		24F	460		IS 1000Z		26	245
	ZTR 6072		U1	250		4100-4500 Series		24F	460		IS 1000Z		26	245
1999-95	ZTR 6601		U1R	250		440, Hustler		24F	460		IS 3000Z		U1	245
2004-95	ZTR 7025		U1	250	EXMARK						IS 3000ZF		U1	245
	ZTR 7523		U1	250	Commercial Walk-Behind Mowers						IS 4000Z		26	245
2004-96	ZTR 8025		70	500		2010-04	Metro	U1	245		IS 4000Z, IS 5000Z		58	245
2004-96	ZTR 8025		U1	250		2011-00	Turf Tracer	U1	245	Out Front Mowers				
2004-01	ZTR 8026D		70	500		2010-04	Turf Tracer HP	U1	245		Pro Cut 30		U1	245
DYNAMARK (AMF LAWN & GARDEN)						2013-11	Turf Tracer S Series	U1	235	Riders				
Riding Mowers						2013-04	Viking	U1	245		Pro Cut 19		U1	245
	11/30, 12.5/40		U1	230							Pro Cut 61		U1	245
	1200 Series		U1	230										
	14.5/40, 18/43		U1	230										
	3188, 3189, 3812		U1	230										
	3912, 3916, 4012		U1	230										
	4518, 4618, 5180		U1	230										
	5181, 5184, 5188		U1	230										
	5283, 5285, 5288		U1	230										
	5289, 5293, 5296		U1	230										

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FERRIS (Cont.)					GILSON (Cont.)					GRAVELY (Cont.)				
Riders (Cont.)					Yard Tractors					Lawn & Garden Tractors				
	Pro Driver 72		U1	245		12.5, 12E, 16, 16E 16EH, NA1500		U1 U1			GLT 440, GLT 448 GLT600		U1 U1R	
Riding Rotary Turf Mowers					GOSSEN					Mowers				
2013-04	Pro Cut 20		U1	245	Bale Choppers					2007-06	XDZ		U1	300
2003-98	Pro Cut 22		U1	245		NA6000, NA8500 SBC500P		U1 U1		2007	XL Series		U1	300
2003-98	Pro Cut 32		U1	245		SBC6000, G-350		U1		2007	XLP Series		U1	300
Zero-Turn Mowers					GRASSHOPPER					Out Front Mowers				
2013-11	Evolution		U1	340	Lawn & Garden Tractors					2007	Outfront		U1	300
2013-04	IS 1500Z, IS 2000Z		U1	245		1200, 1212, 1600		U1	235	2007-06	PM 250		70	525
2013-09	IS 2500Z		U1	245		411, 600 Series		U1	235		PM 310		U1	540
2013-04	IS 3100Z		U1	245		700 Series (Air cooled)		U1	235		PM 320Z		U1	300
2013-10	IS 3100ZP		U1	245		700 Series (Liquid cooled)		70	500		PM 360, PM 468		24F	525
2011-04	IS 4500Z		58	245		800 Series (Air cooled)		U1	235		Pro 12.5, Pro 15		U1R	
2013-04	IS 5100Z		26	245		800 Series (Liquid cooled)		70	500		Promaster Series 100		U1R	
2013-04	IS 5100Z		58	245		900 Series		U1	235		Promaster Series 200 ex. 260Z		U1R	
2013-12	IS 600Z, IS 700Z		U1	340							Promaster Series 300		U1R	
2003-96	Pro Cut Z		U1	245							Promaster Series 360		26R	440
2010-97	Ultra Belt GD		U1	245							Promaster Series 400		24F	525
FLO-MOW MOWER COMPANY					Mowers					Pro G Series Mowers				
Lawn & Garden Equipment					2007	MidMount		U1	250		988100, 988101		26R	440
	Jetx 26		22NF		Sit Down, Front Cut						988103, 988104		26R	440
	Jetx 2668, 100, 120		U1			725		70	500		988105, 988106		U1	
FORD					Zero-Turn Mowers						988107, 988108		U1	
Lawn & Garden Tractors					2009-04	120, 120K, 218		U1	235		988109		U1	
	125, 145, 165, 66		U1		2004-99	220, 225		U1	235		988110, 988112		26R	440
	70, 75, 80, LGT100		U1		2009-04	223, 227, 233		U1	235		988113		U1	
	LGT120, LGT125		U1		2009-04	322D		70	500		988114, 988115		26R	440
	LGT145, LGT165		U1		2009-03	327		U1	235	Riding Rotary Turf Mowers				
	LT75, RMT66		U1		2009-03	428D		70	500	2003-98	PM 300		24F	525
GENERAL APPLIANCE					2009-04	432, 718KH2		U1	235	2003-98	PM 460		U1	540
Lawn & Garden Equipment					2003-94	614, 718, 721		U1	235	Skidster				
	All electric start		U1		2009-94	616		U1	235		200		U1R	
GENERAL POWER (TRU-TEST, WHEELER, LAWN CHIEF)					2009-97	618		U1	235	Two Wheel Tractor Power Units				
Lawn & Garden Tractors					2004-94	720, 725K		U1	235		Professional 10		26R	440
	3-725-E7, 3-725-E8		B12A-A		2003-94	721D, 721D2		70	500		Professional 12		26R	440
	3-725-E9, WES725		B12A-A		2009-04	721DH2, 722D2		70	500		Professional 16		26R	440
	WES725-FS		B12A-A		2009-04	723KH2, 727K2		U1	235		Professional 18		26R	440
GIANT-VAC					2009-04	729G2		U1	235		Professional 8		U1R	
Leaf Vacuums					2009-04	928D2		70	500	Vacuums				
2013-98	1001-CHW		U1	235	2013-10	Front Mount 616T		U1	235		ProVac 1050		26R	440
2013-99	1901-CEHW		B14L-A2		2013-10	Front Mount 620T		U1	235	Walk-Behinds				
2013-99	2501-CEHW		U1	235	2013-10	Front Mount 721DT		70	500		Pro 60		B16L-B	
Mowers					2013-10	Front Mount 723T		U1	235	Zero-Turn Mowers				
	Giant Mow		B14L-A2		2013-10	Front Mount 725DT		70	500	2009-04	144Z, 148Z, 152Z		U1	340
Pro Series					2013-10	Front Mount 727T		U1	235	2009-04	160Z		U1	340
	Pro Series		U1	235	2013-10	Front Mount 729BT		U1	235	2009-04	252Z, 260Z, 272Z		70	525
Vacuums					2013-10	Front Mount 729T		U1	235	2003-98	PM 250Z		U1	340
	1601-CEHW		B14L-A2		2013-10	Front Mount 735BT		U1	235	2013-10	Pro-Ride 254		U1	440
	3001-CHW		U1	235	2013-10	Front Mount 930D		70	500	2013-10	Pro-Ride 260		U1	440
	6001-CHW		U1	235	2013-04	Front Mount 932		U1	235	2013-10	Pro-Ride 266		U1	440
Walk Behinds					2013-10	Mid Mount 120K		U1	235	2013-10	Pro-Turn 148		U1	250
	1601-CHW		U1	235	2013-10	Mid Mount 124		U1	235	2013-10	Pro-Turn 152		U1	250
	1901-CHW		U1	235	2013-10	Mid Mount 220		U1	235	2013-10	Pro-Turn 160		U1	250
	2501-CHW		U1	235	2013-10	Mid Mount 223		U1	235	2013-12	Pro-Turn 252		U1	250
	Turf Dominator		B14L-A2		2013-10	Mid Mount 227		U1	235	2013-10	Pro-Turn 260		U1	250
GILSON					2013-97	Mid Mount 321D		70	500	2011-10	Pro-Turn 266		U1	250
Garden Tractors					2013-10	Mid Mount 325D		70	500	2013-12	Pro-Turn 272		U1	250
	14, 14E, 14HE		U1		2013-04	Mid Mount 329		U1	235	2013-12	Pro-Turn 452		U1	250
	18E, 18HE, All		U1		2013-10	Mid Mount 329B		U1	235	2013-12	Pro-Turn 460		70	540
Turf Vehicles					2013-10	Mid Mount 335		U1	235	2013-12	Pro-Turn 460		U1	250
	53018, 53019		26R		2013-10	Mid Mount 403D		70	500	2013-12	Pro-Turn 472		70	540
	53021, 53023		26R		2013-10	Mid Mount 432		U1	235	2013-12	Pro-Turn 472		U1	250
	53024, 53025		26R		GRAVELY					2013-10	Pro-Turn 472		U1	250
	53026, 53027		26R		Chipper/Shredders					2013-10	ZT 34, ZT 42		U1	250
	53028		26R			ProChip 210		24	630	2013-10	ZT 50		U1	250
	53037, 11E, 11EH		U1			ProChip 310		24	630	Zero-Turn Radius Mowers				
						ProChip 395		24	630		ZT1740, ZT1842		U1	
Commercial Walk-Behind Mowers					2011-04	320HD		U1	540		ZT2048, ZT2050		U1	
1999-95	Pro 14		U1R		2003-97	Pro 150 Series		U1R			ZT2148, ZT2352		U1	

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GREAT DANE					HOWARD PRICE TURF EQUIPMENT					HUSQVARNA (Cont.)				
Commercial Walk-Behind Mowers					Commercial Walk-Behind Mowers					Tractors (Cont.)				
2010-05	Scamper 48		U1	265	2005-99	WB36-14K		U1	190		GTH2548XP		U1R	
2010-05	Scamper 52		U1	265	2005-99	WB36H-14K		U1	190		LR110, LR120		U1R	
2010-05	Scamper HG 36		U1	265	2005-99	WB48-14K		U1	190		LR122, LR125		U1R	
2010-05	Scamper HG 48		U1	265	2005-99	WB48H-14K		U1	190		LRH125, LT 120		U1R	
2010-05	Scamper Hydro		U1	265	2005-99	WB52-14K		U1	190		LT 130, LT 18542		U1R	
Sit Downs					2005-00	WB52-17K		U1	190		LTH 1742		U1R	
	Chariot XL 48		U1	265	2005-99	WB52H-14K		U1	190		LTH120		U1	
Walk-Behinds					2005-99	WB52H-17K		U1	190		LTH120		U1R	
	Champ		U1	265	2005-98	WB60H-K		U1	190		LTH130		U1	
	Chariot Jr Line		U1	265	Rider, All						LTH130		U1R	
	GD 51KH		U1	265		All Riders (ex. Hydra Power)		U1			LTH140		U1	
	GDZ 52KH		U1	265	Riding Rotary Turf Mowers						LTH140, LTH145		U1R	
Zero-Turn Mowers					2006-95	Hydra Power 1280		24	440		STH200, YT140		U1R	
2010-05	Brutus		U1	265	2006-95	Hydra Power 1280		27	440		YT180		U1R	
2005-00	Chariot		U1	265	2006-94	Hydra Power 180	2	24	500		YTH 1342 XP		U1R	
2008-05	Chariot 48		U1	265	2006-94	Turf Blazer 530		24	500		YTH 1848 XP		U1R	
2008-05	Chariot 52		U1	265	2006-94	Turf Blazer 530		27	500		YTH160, YTH1842		U1R	
2008-05	Chariot 61		U1	265	2005-94	Turf Blazer 727		24	500		Walk Behinds			
2005-00	Chariot Jr.		U1	340	Turf Blazer						Scag Turf Tiger		U1	
2008-05	Chariot XL 61		U1	265		Turf Blazer 48		U1			WH3614, WH3615		U1	
2008-05	Chariot XL 72		U1	265		Turf Blazer 52		U1			WH4215ETS		U1R	
2005-03	Gateway 52		U1	340	Utility Vehicles						WH4817		U1	
2005-00	Scamper		U1	265		Maverick 620		U1			WH4817ETS		U1R	
2008-05	Super Surfer 48		U1	265	Zero-Turn Mowers						WH4818ETS		U1	
2008-05	Super Surfer 52		U1	265		Radius Riders		U1			WH5218		U1	
2008-05	Super Surfer 61		U1	265	2006-99	Turf Blazer 360Z		U1	190	Zero-Turn Mowers				
2008-06	Surfer		U1	265	HUFFMAN (HUFFY)					2009-04	BZ6127TD		51	460
HAHN					Riding Mowers					2009-04	BZ7234TD		51	460
Lawn & Garden Tractors						32 Riders		U1		2009-04	IZ4217T, IZ4817T		U1	190
	126, 130, 132, 736		U1			H-270, H-360		B12A-A			IZ4218, IZ4818		U1	
	836, 11/76, 11/77		U1		HULL INDUSTRIES					2009-06	IZ4819T		U1	190
HEILMAN ENTERPRISES					Lawn & Garden Equipment					2009-04	IZ4821T, IZ5221T		U1	190
Lawn & Garden Equipment						TC30 ER		B16-B		2009-04	IZ5223T		U1	190
	11/78		U1		HUSQVARNA					2009-06	IZ5225TXP		U1	190
	220, 440, 445, 550		U1R		Garden Tractors					2006-04	IZ6123T		U1	190
	555		U1R		2005-00	22550 XP		U1R		2009-06	IZ6125T		U1	190
	8/76, 8/77		U1		2005-00	GTH2248XP		U1R	190	2003-99	ZTH4218		U1	340
HESSTON CORPORATION					2000-99	GTH225, GTH250		U1R	245	2003-99	ZTH4218QL		U1	340
	H-160, H-200		22NF		2005-00	GTH2250XP		U1R	190	2003-99	ZTH4221QL		U1	340
HOMELITE/JACOBSEN						GTH2350		U1R		2003-99	ZTH4818		U1	340
Lawn & Garden Tractors						GTH2548XP		U1R		2003-99	ZTH4820		U1	340
	180HIE63		U1	255	2005-00	GTH2550XP		U1R	190	2003-99	ZTH4821		U1	340
	730-OLE		U1R		2000-99	GVTH205, YTH145		U1R	245	2003-99	ZTH5221		U1	340
	CT-10		22NF	350	2011-06	LGT2654		U1R	280	2003-00	ZTH5223		U1	340
	LT-1034, LT-1242		U1R		2000-99	YTH150, YTH180		U1R	245	2003-00	ZTH5223L		U1	340
	LT1238G		U1	255	2013-00	YTH1542XP		U1R	245	2003-00	ZTH5223XL		U1	340
	LT1438G		U1	255		YTH1746		U1R		2003-00	ZTH5225		U1	340
	RE1030E		B9-B		2005-00	YTH1848XP		U1R	340	2003-00	ZTH5225XP		U1	340
	RE1230E, RE830E		B9-B			YTH2046		U1R		2003-00	ZTH5225XPQL		U1	340
	RE-8E		B9-B			YTH2048		U1R		2003-00	ZTH6125		U1	340
	T-10, T-135, T-16		22NF	350		YTH2146XP		U1R	190	2003-01	ZTH6126		U1	340
	T-8, YT-14, YT-16		U1R			YTH2148		U1R		Zero-Turn Radius Rider Mowers				
	YT-18		U1R			YTH2242		U1R			BZ6134D		51	
HONDA					2013-06	YTH2348		U1R	230		CZ4815, CZ4817		U1	
	H2113HDA		U1		2013-06	YTH2454		U1R	190		ZTH 226EFI		U1	
	H2113SDA, H3009		U1		Lawn & Garden Equipment						ZTH1625XP		U1	
	H3810, H3813		U1	340		1200-18H		U1R			ZTH6123LXP		U1	
	H4013, H4118HDA		U1			970 Rider Series		U1R			ZTH6123LXPQL		U1	
	H4120, H4120HDA		U1			970-125, 970-155		U1R			ZTH6127SPQL		U1	
	H4213, H4418		U1			970-15B,		U1R			ZTH6215SPQL		U1	
	H4514, H4518		U1			970H-155		U1R			ZTH7226XP		U1	
Riding Mowers						Pro 15, Proflex 21		U1R			ZTH7226XPQL		U1	
	H1011HDA		U1	165		Rider 16H		U1R			ZTH7227XPQL		U1	
	H1011SDA		U1	165	Lawn Tractors					HUSTLER				
	Harmony 1011		U1	170	2013-06	2042LS, 2246LS		U1R	230	Hustler Z				
	Harmony 2013		U1	170	2013-06	2346XLS, 2348LS		U1R	230		44in. Fastback		U1	245
Walk Behinds					2013-06	2748GLS		U1R	230		52in. Cut		U1	245
	HRC 7000 Series		U1		2013-06	2754GLS		U1R	230	Mowers				
	HRC 7018		U1		2013-06	LTH1538		U1R	230	2005	4000 Series		24	350
	HRC 7020		U1		Tractors					Riders				
						CTH130, CTH150		U1R			362, 4000 Series		24	500
						GT200, GTH220		U1R			5000 Series		24	500
											6400 Hillside	47	24	500
											Excel, Short Cut		U1	245

Lawn & Garden / Small Engine

YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)										
HUSTLER (Cont.)					JACOBSEN MFG. CO. (HOMELITE, HUSTLER) (Cont.)					JOHN DEERE (Cont.)														
Walk Behind Greens Mowers					Lawn & Garden Equipment (Cont.)					Garden Tractors (Cont.)														
2010-04	Hustler Hydro		U1	245	Chief & Super Chief CR50 Crew Chief 36 & 48 DW220 Diesel GT12, GT12H GT16, GT16H LTX11, LTX8			U1 U1 U1 26R U1 U1 U1	450	31	345 Diesel		51	500										
2010-04	Super Walk Behind		U1	245							355 Diesel		51	500										
2013-04	Trim Star		U1	245							400		26R	335										
Walk Behinds											4100 Gear		24	500										
	All		U1	245							4100 HST		24	500										
Zero-Turn Mowers											4100 Narrow		24	500										
2003-96	2500		U1R	245							4100 Series		24	500										
2003-99	251K, 260K, Hog		U1	245	415		U1																	
1998-95	3000 Series		24F	500	420		26R	335																
2003-98	3400 Series		24	500	4200		24	500																
2013-12	Fastrak Super Duty 36"		U1R	225	425		U1	342																
2013-12	Fastrak Super Duty 42"		U1R	225	430		26R	335																
2013-10	Fastrak Super Duty 48"		U1R	225	4300, 4400		24	500																
2013-10	Fastrak Super Duty 54"		U1R	225	445Efi		U1																	
2013-10	Fastrak Super Duty 60"		U1R	225	4500		24	500																
2009-04	Hustler Mini Z		U1	225	455 Diesel		51	470																
2005	Hustler Mini Z		U1R	225	455 Gas		U1	340																
2009-04	Hustler Z		U1	225	460		26R	490																
2005	Hustler Z		U1R	225	4600, 4700		24	500																
2013-12	Raptor 42"		U1R	235	50		U1																	
2013-12	Raptor 52"		U1R	235	5105, 5205		24	500																
2003-97	Short Cut 1500		U1	245	56, 60, 66, 67, 68		U1																	
2013-12	Super 104		45	480	70		U1																	
2009-04	Super Mini Z		U1	245	790		24																	
2005	Super Mini Z		U1R	225	90, 96		27																	
2009-04	Super Z		U1	245	G100		U1	340																
2008-05	Super Z Diesel	2	U1R	225	G110		U1	300																
INGERSOL EQUIPMENT					Riding Rotary Turf Mowers						GT Heavy Duty		45	500										
Front Cut Mowers					2013-06 Turf Cat 600 Series						GT225, GT235		45	500										
1994	5012		U1	300	Utility Vehicles						GT242, GT262		U1	300										
	5018CD		U1								GT245		45	500										
	5018D		U1	450							GT275, LX186		U1	300										
	5020V, 5318V		U1	300							GX255, GX335		45	500										
	5320V, 5720V		U1	300							GX345		45	500										
	5818V		U1	300							GX355		51	435										
Garden Tractors					Zero-Turn Riders						LT140		U1	300										
	100 Series		U1	200							S80, S82, S83, S92		U1											
	1200 Series		U1	200							SRX100		U1											
	200 series		U1	230							STX30		U1	300										
1999-94	3000 Series		U1	300							SX75, SX85, SX95		U1											
1999-94	4000 Series		U1	300							X300, X304, X320		U1	300										
1997-94	6018		U1								X324, X340		U1	300										
	648, 6818		U1	200							X465, X475, X485		U1	340										
Riding Mowers					Commercial Walk-Behind Mowers						X495, X595		51	435										
	80XI, 810		B12A-A								X500, X520, X534		51	435										
Tractor/Loader/Backhoe											X540		51	435										
	6020, 6020BH, All		U1								X575, X585		U1	340										
Zero-Turn Mowers											X700, X720		U1	340										
1998-94	5016		U1	300							X720SE, X724		U1	340										
1999-94	5018		U1	300							X728, X728SE		U1	340										
2004-98	5820V, 5822V		U1	300							X729		U1	340										
INTERNATIONAL HARVESTER					Excavators					Lawn Tractors														
Lawn & Garden Equipment										Front Cut Mowers					325, 335, 345		45	500						
	1000, 108, 109		U1							F1145 4WD		45	470	355D		51	500							
	1100, 1200, 1250		U1							F620		26	490	L100, L110		U1	235							
	128, 129, 1450		U1							F620		U1		L118LE		U1	300							
	149, 1650, 169		U1							F710		22F	491	L120, L130		U1	235							
	502, 602, 702, 800		U1							Front Cut Riders					LA105, LA115		U1	300						
	982, 931-2703		U1							Z-Trak M653		26	490	LA125		U1	300							
ITC TRACTORS											LA135		U1	300										
	931-2737		U1							Z-Trak M655		26	490	LA145, LA165		U1	300							
	931-5730		U1							Z-Trak M665		26	490	LA175		U1	300							
	UC 24HD		26							Garden Tractors					LT133, LT155		U1	255						
	UC 25HD		26								100, 108		U1		LT150		U1	255						
JACOBSEN MFG. CO. (HOMELITE, HUSTLER)											LT160 42C		U1	300										
	750 Deluxe C118		U1 26R	450							110: 10 HP		26R	335	LT160 Freedom		U1	160						
												110: 8 HP, 111		U1		LT166, LTR166		U1	255					
												112		26R	335	LT180, LT190		U1	255					
												112L, 116, 116H		U1	300	LTR180		U1	255					
												120		26R	300	LX172, LX173		U1	300					
												130		U1	300	LX176, LX178		U1	300					
												140		26R	300	LX188		U1	300					
												1540		45		LX255		45	500					
												160, 165, 170, 175		U1	300	LX266, LX277AWS		45	500					
												180, 185, 200, 208		U1	300	LX277, LX279		45	500					
												210, 212, 214, 216		26R	335	LX280, LX280AWS		45	500					
												240, 260		U1	340	LX288		45	500					
												265, 285, 300, 312		26R	335	LX289		45	500					
												314, 316, 317, 318		26R	590									
												322, 330, 332		U1	340									

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JOHN DEERE (Cont.)					JOHN DEERE (Cont.)					KUBOTA (Cont.)				
Lawn Tractors (Cont.)					Zero-Turn Mowers (Cont.)					Compact Tractors (Cont.)				
2005-03	SST15		U1	255	2012-10	Z-Trak Pro Z925A		U1	340	PX2100			U1	
2005-00	SST16, SST18		U1	255	2012-10	Z-Trak Pro Z930A		U1	340	F-Series				
1997-94	STX38, STX46		U1	300	2012-10	Z-Trak Pro Z950A		U1	340	F2100, F2400			25	450
Rear Engine Riders					2012-10	Z-Trak Pro Z960A		U1	340	Garden Tractors				
1996-94	GX75, SRX75		U1	300	2012-10	Z-Trak Pro Z970A		U1	340	2006-04	BX1500		26R	450
2004-97	GX85		U1	300	2012-10	Z-Trak Z710A		U1	300	2003	BX1500		26	450
1996-94	SRX95		U1	300	2012-10	Z-Trak Z720A		U1	300	2006-99	BX1800		26	450
2003-97	SX85		U1	300	2011	Z-Trak Z915B		U1	340	2006-99	BX1800		26R	450
Riding Bunker and Field Groomers					2011	Z-Trak Z920M		U1	340	2013-07	BX1850		26	450
2013-94	1200A		U1	300	2011	Z-Trak Z920R		U1	340	2013-07	BX1850		26R	450
Riding Mowers					2011	Z-Trak Z925M		U1	340	2006-99	BX2200		26	450
2004	G345		45	500	2011	Z-Trak Z930M		U1	340	2006-99	BX2200		26R	450
	GX Heavy Duty		U1	345	2011	Z-Trak Z930R		U1	340	2013-07	BX2350		26	450
	GX70, GX95, R72		U1	300	2011	Z-Trak Z950R		U1	340	2013-07	BX2350		26R	450
	R92, RX75, RX95		U1	300	2011	Z-Trak Z960R		U1	340	2013-94	G1800, G1900		51R	450
Riding Reel Mower					2011	Z-Trak Z970R		U1	340	2013-01	G2160, G2160-R48		51R	450
1998-94	2243		45	500	JONSERED					2006-01	G2460G		51R	450
1998-94	2243		22F	490	Lawn & Garden Equipment					2012-07	GF2010, GF2110		U1	285
1998-94	2243		U1	342	LT15			U1R		2007-04	GR2000, GR2100		U1	285
Riding Reel Mowers					LT15 Automatic			U1R		G-Series Tractors				
2003-99	2500 Tri-Plex		51	500	KAWASAKI					G2160D-R485			51R	450
2013-04	2500A, 2500E		51	500	Mule					G2460			51R	450
2003-95	2653		45	500	2000 Series			U1	300	Lawn Tractors				
2003-95	2653		U1	340	2500 Series			U1	300	2004-95	T1460, T1560		U1	285
2003-95	2653A		45	500	3000 Series			U1	300	2007-05	T1570, T1670		U1	285
2003-95	2653A		U1	340	500 Series			U1	300	2004-96	T1760		U1	285
2013-04	2653A Professional		45	500	550 Series			U1	300	2007-05	T1770, T1870		U1	285
2013-04	2653A Professional		U1	340	Utility Hauling Vehicles					2013-07	T1880, T2080		U1	285
2003-94	3215B		45	500	Mule 550			B14-A2		2013-07	T2380		U1	285
2003-94	3215B		51	500	KEES					2005-99	TG1860 Diesel		51R	450
2013-04	3225C, 3235C		51	500	Lawn & Garden Equipment					2005-00	TG1860 Gas		51R	450
2003-94	3235B		45	500	48, 60			U1		L-Series Tractors				
2003-94	3235B		51	500	ZT Max Rider			U1		L185			24F	550
2006-04	3245C (Rotary Deck)		51	500	KIOTI					L185 Opt.			30H	550
Riding Rotary Turf Mowers					Compact Tractors					L235			24F	550
2013-05	1420, 1435, 1445		45	480	DK35			24	650	L235 Opt.			30H	550
2013-05	1545, 1565		45	480	DK40			34	710	L2350			24F	490
2013-99	1600 Turbo Wide Area		27	650	DK45, DK50C			31A	1000	L245			24F	550
2003-99	1620		27	650	LB 1914			26DT	650	L245 Opt.			30H	550
2003-97	F1145		45	500	LK 2552, LK 2554			27		L2500			24F	490
2002-94	F510, F525		U1	342	LK 3050			27		L260			24F	550
2004-97	F725		22F	491	LK2554			26DT	650	L260 Opt.			30H	550
2003-98	F735		45	500	LK3054			26	650	L2600DT, L2600F			24	585
2003-97	F911, F925, F932		26	490	KUBOTA					L2650			24F	490
2003-97	F935		26	490	B-Series Tractors					L275			24F	550
Skid Steer Loaders					B1700, B2100			51R	405	L275 Opt.			30H	550
	120, 125, 170		24		B2150			24F	415	L2800			24	585
	375		70		B2400, B2410			51R	405	L285			24F	550
	60		U1		B2710, B2910			51R	450	L285 Opt.			30H	550
	756, 90		24		B5100			U1		L2900			24	585
Walk Behind Mowers					B6100			24F	550	L295			24F	550
	32, 36, 48, 52		U1		B7100			U1		L295 Opt.			30H	550
Waste Handler					B7300			51	450	L2950			24F	490
2004	4 WHL DR - 624 J	2	30H	625	B7300			51R	450	L3000, L3000DT			24	585
Zero-Turn Mowers					B7400			51	450	L3000F			24	585
2004	647		U1	340	B7400, B7400HSD			51R	450	L3010			24	490
2012-05	647A Quik Trak		U1	340	B7500			51	450	L305			24F	550
2003	657, 667, 737, 757		U1	340	B7500			51R	450	L305 Opt.			30H	550
2012-05	657A Quik Trak		U1	340	B7500DHSD			51R	450	L3130, L3300			24	585
2012-05	667A Quik Trak		U1	340	B7500DT			51R	450	L3410			24F	490
2009-04	717A Mini Z-Trak		U1	340	B7800			51	450	L3430			24	585
2009-03	727A Mini Z-Trak		U1	340	B7800			51R	450	L345			24F	550
2009-04	737 Mid Z-Trak		U1	340	B7800			51R	450	L345 Opt.			30H	550
2009-04	757 Mid Z-Trak		U1	340	B8200, B9200			24F	585	L35			24	490
2009-04	777 Max Z-Trak		U1	340	BX-Series Sub-Compact Tractors					L355SS			24F	550
2003	777, 797		U1	340	BX22			26R	450	L355SS Opt.			30H	550
2009-04	797 Max Z-Trak		U1	340	Compact Tractors					L3600			27	450
2003-94	F680		45	500	1550, 1750			24	585	L3710			24	585
2009-04	F687 Front Z-Trak		U1	340	1800, 1900, 2000			51		L4000, L4200			27	450
2003-95	M653		45	500	2150, 4200, 5200			24	585	L4300, L4310			24	585
2003-96	M655		45	500	6200			24	585	L4330, L4610GST			24	585
2003-96	M665		26	490	7200			24		L4610HST, L4630			24	585
2012-10	Z-Trak Pro Z910A		U1	340	HST Series			24	585	L5030			24	585
2012-10	Z-Trak Pro Z920A		U1	340				24		LA271			51R	450
								24		LL2500			24	585

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KUBOTA (Cont.)					LAWN BOY (GILSON) / TORO (Cont.)					MASSEY-FERGUSON (Cont.)						
Riding Rotary Turf Mowers					Other (Cont.)					Lawn & Garden Tractors (Cont.)						
2013-94	F2260, F2560		26	450		9365ES, 9368E		U1			1205, 1225		51	500		
2013-94	F3060		26	450		9368ES, 9369ES		U1			1231, 1232, 1235		24	200		
2013-94	GF1800		51R	450		9369ES		U1R			1244		24	200		
2003-96	GF1800E		51R	450	Rear Engine Riders						1450, 1650, 1655		26R	390		
Tractors					52145 (12 Hp)						1855, 85		26R	390		
	M110, M120		4DLT	770	RE 12e, RE 8e						Lawn Tractors					
	M4000, M4050		30H	525	Yard Tractors						2013-06	2518H, 2520H		U1	200	
	M4500		30H	525	YT16					U1	350	2013-06	2522H, 2524H		U1	200
	M4700, M5400		31A	700	LAWN GENERAL (MURRY)						2013-06	2620H		U1	200	
	M6800		31A	700	Lawn Tractors						Rear Engine Riders					
	M6800		31T	700		12.5Hp/38		U1		2005-97	2411G		U1	200		
	M8030, M8200		31A	700		17.5Hp/46		U1		2005-98	2414H		U1	230		
	M9000		31A	700	LESCO						Zero-Turn Riding Mowers					
	M9580		29H	660	Hydro Commercial Walk-Behinds							ZT 14H, ZT 16H		U1	200	
	T1400, T1700HX		U1	285		024952, 026348		U1	245		ZT 18H		U1	200		
	T1700X, T1860		U1	285		030248, 030252		U1	245		ZT 18H, ZT16		U1	200		
	TG1850		51R	450		701079, 701080		U1	245		ZT1850		U1	340		
Turf Mowers					Zero-Turn Mowers						MAXIM					
	ZD28		26R	450		52ZTR		U1	190	Handy-Haul Carts						
Utility Hauling Vehicles					2004-99 Viper					U1	245	MHH85BE4T				
	Mule 2500		B16L-B		LOCKE-DEVERE								U1	250		
	RTV900 4x4 Diesel		26DT		Lawn & Garden Equipment						Real Engine Riders					
Utility Tractors						10, 12, 21, 22, 23		22NF	390			BEICHP, M 830		U1	250	
	B21, L35		51	450		3, 5, 6, 8, 8/23		22NF	390		M 830 B		U1	250		
Zero-Turn Mowers					MAGNUM							M 830 BEICHP		U1	250	
2013-95	FZ2100, FZ2400		26	450	All					U1		M1230 BEIC		U1	250	
2003-01	ZD18		26R	450	MASSEY-FERGUSON							M30 BEIC		U1	250	
2003-01	ZD18		51R	450	Compact Tractors							M830 BEIC		U1	250	
2009-04	ZD18F		26R	450		MF-10, MF-12		U1R	200	Rear Engine Riders						
2009-04	ZD18F		51R	450		MF14, MF16		24	465	2008-95	MH1230 BEIC (8,					
2003-01	ZD21		26R	450		MF-7, MF-8		U1R	200		12, 13, 14 Hp)		U1	250		
2003-01	ZD21		51R	450	Garden Tractors						Zero-Turn Mowers					
2009-04	ZD21F		26R	450		2013-06 2723H		22F	390	2002-97	Z3014, Z4214		U1	250		
2009-04	ZD21F		51R	450		2013-06 2723H, 2825H		U1	200	2002-98	Z4216, Z4816		U1	250		
2009-04	ZD25F		26R	450		2013-06 2875H		U1	200	2002-97	Z4220		U1	250		
2009-04	ZD25F		51R	450		2013-06 2927H, 2927LC		51	500	2003-99	Z4820		U1	250		
2009-04	ZD28F		26R	450	Gear Lawn Tractors						Zero-Turn Radius Riders					
2009-04	ZD28F		51R	450		2409G, 2512G		U1	200		Z4316 BVG		U1	250		
2013-10	ZD321		51R	450	Hydrostatic Front						MINNEAPOLIS-MOLINE					
2013-10	ZD323, ZD326		51R	475		Cut 2316H		U1	300	Lawn & Garden Equipment						
2013-10	ZD331		51R	475	Hydrostatic Garden Tractors						All					
2009-04	ZG20, ZG23		U1	285		2618H		U1	340	MITSUBISHI						
2013-09	ZG222, ZG227		U1	285		2618H		U1	200	Lawn & Garden Tractors						
2013-10	ZG327		U1	300		2716H, 2717H		U1	340		160, 180					
2013-12	ZG332, ZP330		51R	475		2718H		U1	340		210, 250		22NF	24		
LASTEC						2720H		U1	200	MONTGOMERY WARD						
Golf Course Mowers						2818H, 2818PS		22F	390	Garden Tractors						
	321D, 420D		26	525		2820H, 2820HPS		51	500		33000 Series		26R			
	425MD, 2861 FG		26	525		2823HPS		51	500	Riding Mowers						
Lawn & Garden Equipment						2918H, 2920H		22F	390		1300-1400 Series		U1			
	2961 FG		26	525		2920LC, 2923H		51	500		99 and under Series		B9-B			
	3385 WTD		26	525	Hydrostatic Lawn Tractors						MORIDGE MFG. INC.					
	3696 WTD		26	525		2924D, 2925H		51	500	Lawn & Garden Equipment						
	Articulator 3377T		U1			2512H, 2514H		U1	200		1210, 1622, 1822		U1			
Zero-Turn Mowers						2515G, 2515H		U1	200	MOWETT SALES CO.						
2013-01	3682, 3696		26R	525		2516H, 2614H		U1	200	Riding Mowers: Electric						
2003-97	421D, 425HD		26	525		2615H, 2615HC		U1	200		248E (All Electric)		U1			
2013-11	4520		26	525		2616C, 2616H		U1	200	Riding Mowers: Gas						
LAWN BOY (GILSON) / TORO						2717H, 2316H		U1	200	1995-94	Mustang		U1	165		
Lawn & Garden Tractors					Hydrostatic Riding Mowers						MTD					
	333, 335		12N9-3A			2412H, 2413H		U1	230	Riders & Tractors						
	53084 (18 Hp)		22F	350	Lawn & Garden							B560B, E451F		U1	150	
	5802, 5803, 7258E		12N9-3A			2007-06	MFZT29, MFZT33		U1			G695G		U1	270	
	7259E, 7260E		12N9-3A				1200		26R	390		H661F, L450C		U1	150	
	8227E, 8228E		12N9-3A			Lawn & Garden Tractors						L660F		U1	150	
	8229E, 8229EA		12N9-3A									M660G, Q665H		U1	270	
	8233E		12N9-3A									S825H		U1	270	
	ES Series		U1R	175	Hydrostatic Riding Mowers											
	GT18, GT18H		26R	350	Lawn & Garden											
	LT11, LT12, LT12H		U1		Lawn & Garden											
Other					Lawn & Garden Tractors											
	9328E, 9328ES		U1													
	9329E		U1													
	9329ES		U1R													

Lawn & Garden / Small Engine

YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
MTD (Cont.)					NEW HOLLAND LAWN & GARDEN					POULAN PRO (Cont.)				
Walk-Behinds					Compact Tractors					Tractors (Cont.)				
	1848F, Z2256		U1			MC28		35	450		PP11536		U1R	230
Zero-Turn Mowers						TC18, TC21		24	450		PP125H38		U1R	230
	Z2554		U1			TC24D		24	450		PP1338, PP1388		U1R	230
MTD PRO						TC24D		51	450		PP155H42		U1R	230
Commercial Walk-Behind Mowers						TC25, TC29		24	450		PP16H42, PP1844		U1R	230
2004-01	1748F, 1852H		U1	190		TC29D		24	450		PP1846A		U1R	230
2004-00	2054F, 2260F		U1	190		TC29D		51	450		PP18H46, PP2250		U1R	230
Zero-Turn Mowers						TC33, TC33D		24	450		PP22H50, Pro 544		U1R	230
2004-00	MMZ-2554		U1	190		TC33D		51	450		XEG1182H		U1	230
2004-00	MMZ-2560		U1	190		TC35, TC35D		24	450		XEL1122		U1	230
MTD/YARD MAN						TC35D		51	450		XEY1142		U1	230
Lawn & Garden Tractors					Garden Tractors					POWER KING				
	300 Series, 385		B14L-A2			GT18, GT20, GT22		U1	200	Garden Tractors				
	395, 400 Series		B14L-A2			LS35, LS45, LS55		U1	280	2004-99	1220HV		U1	300
Tractors					Tractors					2004-99 1620 GV, 1622 HV				
	410, 412, 435, 445		B14L-A2			MC Series		24F	450	2004-99	UT 622HV		22F	460
	465, 466, 485, 489		B14L-A2			TC Series		51	450	Tractors				
	495, 497		B14L-A2			TN Series		49	730		1212, 1214		U1	300
NOMA					NOMA					1218				
Lawn & Garden Equipment					Lawn & Garden Equipment					1218 HV				
	500 Series, 525		B14L-A2			13543 Signature		U1	190		1614, 1617, 1618		26R	460
	526, 542, 600		B14L-A2			14.5 Hp/40in.		U1	190		1618 GV		22NF	390
	600 Series, 632		B14L-A2			14.5 Hp/43in.		U1	190		1620		26R	460
	660, 672, 682, 698		B14L-A2			14450 Signature		U1	190		1620 HV		22NF	390
	700-800 Series		B14L-A2			15 Hp/43in.		U1	250		2414, 2417, 2418		26R	460
	(Twin Cyl.)	B50-N18L-A	U1			16 Hp/ 43in.		U1	250		UT 620HV		22NF	390
	760, 775, 795, 796		B14L-A2			18 Hp/43in.		U1	250	RALLY				
	812, 852		U1			Command		U1	250	Riding Mowers				
	960, 990		22NF			19 Hp/46in.		U1	250		10 Hp		U1	
MURRAY OHIO MFG. CO.					MURRAY OHIO MFG. CO.					1036				
Heavy Duty Garden Tractors					Heavy Duty Garden Tractors					11 Hp, 12 Hp				
	46379, 52370		U1	250		320805		B14L-A2			1238		U1R	
Lawn Tractors					Lawn Tractors					14 Hp				
	38500, 40530		U1	250		321050...321054		B14L-A2			1438		U1R	
	42560, 46560		U1	250		328000...328018		B14L-A2			16 Hp, 18 Hp		U1	
	48560		U1	250		360100, 360101		B14L-A2			GT250, RL1844		U1R	
Rear Engine Riders					Rear Engine Riders					RAM POWER EQUIPMENT				
	30545		U1	190		GT1-1646		U1	190	Chippers				
Riding Mowers					Riding Mowers					13/24, 16/24, 20/30				
	10 Hp/30, 12 Hp/38		U1	230		GT18 Hp/43in.		U1	250		30/25DH, 30/25H		U1	350
	12 Hp/40		U1	230		GT18 Hp/46in.		U1	250		30/50DH, 13/PT		U1	350
	12.5 Hp/38		U1			GTX-1846		U1	250	Stumpers				
	12.5 Hp/40		U1			LT-1239, LX1-1340		U1	250		20/PT, 20/PT-HD		U1	350
	14 Hp/40, 14 Hp/46		U1	230		LX1-1440		U1	250		20SPH, 20SPH-HD		U1	350
	14.5 Hp/42		U1		POLOREN PRODUCTS					RANSOMES				
	16 Hp/42, 16 Hp/46		U1			6502M, 6504M		U1R		Lawn & Garden Tractors				
	17.5 Hp/46		U1			8900 Series		U1			723D		26	450
	18 Hp/42		U1	230		9503M		U1R			951D		24	550
	18 Hp/46		U1			9900 Series		U1			Bob Cat		U1	300
	18 Hp/46 LTX		U1		POULAN PRO						Cushman Groom		24F	500
	20 Hp/52in. cut		U1	250	Garden Tractors						Master		26R	450
	2523, 3033, 3035		B14L-A2		2013-06 PBGT26H54						FM74S		U1	300
	31515, 31704		U1		Lawn Tractors						T-16K, T-1861		26R	450
	35500		U1R			2013-06 PB19546LT		U1R	230		T-22DV, T-28WCG		U1	300
	35560, 36502		U1			2013-06 PB195H42LT		U1R	230	Zero-Turn Mowers				
	36506, 36508		U1			2013-06 PB195H46YT		U1R	230		All 200 Series		U1	300
	36519, 36523		U1			2013-06 PB22H46YT		U1R	280		Bob Cat ZT 100		U1	300
	36534, 36557		U1			2013-06 PB22H54YT		U1R	280		Bob Cat ZT 2000		U1	300
	36560, 3662, 3666		U1		Tractors					RAVCO				
	3667, 3697		U1			26 Hp Hydro		U1R	230	Stump Cutters				
	38204, 38205		U1R			BB Series Other		U1R	290		RG13		24F	
	38206, 38211		U1R			BB185H42YT		U1R	230		RG13		26R	
	38219		U1			DB Series		U1R	230		RG1625 Super Jr.		24F	
	38219, 39044		U1R			EXG1182V		U1	230		RG1625 Super Jr.		35	
	40700, 40708		U1R			P01538,					RG20		24F	
	40713, 4169		U1			P01742ST		U1R	230		RG20		26R	
	6-3050 2x4		B14L-A2			P017H42ST		U1R	230		RG20HD		24F	
	6-30502		B14L-A2			P145H42		U1R	230		RG20HD		26R	
	6-3070 2x4		B14L-A2			PD Series		U1R	230		RG50		24F	
	6-30702, 7-30502		B14L-A2			PD18H42ST		U1R	230		RG50		35	
	All Rear Engine		B14L-A2			PD18HST		U1R	230					
	Mowers		B14L-A2			PD204ST		U1R	230					
Walk-Behinds						PD20PH48ST		U1R	230					
	20705 X6		U1	165		PD25PH48ST		U1R	230					
	20705 X92		U1	165		PDGT20H48ST		U1R	230					
					2007-06	PDGT26H48		U1R	230					
						PK Series		U1R	290					

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YEAR		MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR		MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR		MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)		
RICH MFG.						SCAG (Cont.)						SEARS (Cont.)							
Lawn Equipment						Commercial Walk-Behind Mowers (Cont.)						Lawn & Garden Tractors (Cont.)							
2004-03	1800, 2000, 2200			U1	260	2013-96	SWZ			U1	220		502.256137 -						
2004-03	2500, 1700K			U1	260	2011-97	SWZU			U1	220		502.256140			B20L-BS			
2007-06	LP Series Chassis Models			U1	260	Lawn & Garden Tractors							502.256138			B14L-A2			
2007-06	LP Series Deck Models			U1	260	All STG-Series				U1	220		502.256141 -			B20L-BS			
Zero-Turn Walk-Behind Riders						Lawn Equipment							502.256142			U1R			
2004-03	1700KL, 1700L			U1	260	2004	STHM 61			U1	220		502.2561575			U1R			
2004-03	2000L, 2200L			U1	260	2004	STHM 72			U1	220		502.25619						
2004-03	2500L			U1	260	Riding Rotary Turf Mowers							536.250820 -			12N9-3A			
	WR-1700			U1	260	2013-98	STHM			U1	220		536.250823						
	WR-2000			U1	260	Zero-Turn Mowers							536.250870 -			12N9-3A			
	WR-2200			U1	260	2013-07	FREEDOM Z			U1	220		536.250922 -			12N9-3A			
	WR-2500			U1	260	2004	Sabre Tooth Turf Tiger			U1	220		536.255110						
ROOF MFG. CO.						2008-05	SabreTooth Turf Tiger			U1	220		536.255112 -			12N9-3A			
Lawn & Garden Equipment						2013-09	Tiger Cat			U1	220		536.255212 -			12N9-3A			
	30-N7-3, 30-N8-E			U1R		2008-06	Tiger Cub			U1	220		536.255220			12N9-3A			
	492683, 493071			U1		2004	Tiger Cub			U1	220		536.255230			12N9-3A			
	493081			U1		2013-04	Turf Tiger			U1	220		536.255232 -			12N9-3A			
	830-E			U1R		2012-03	Wild Cat			U1	220		536.255240						
	NE-8, NR-8			26R		2008-04	Z Cat			U1	220		536.255250 -			12N9-3A			
ROPER						SCOTTS (BY MURRAY)							536.657020			12N9-3A			
Riding Mowers						Garden Tractors							536.657040 -			12N9-3A			
	22, 322, 323, 622			U1			42531X8, 42561X8			U1	250		536.657080 -			12N9-3A			
	63, 632, 633, 822			U1			46561X8, 46562X8			U1	250		536.658080			12N9-3A			
	863			B9-B		2003-00	50560X8, 50563XS			U1	250		536.963100 -			B14L-A2			
	96444, 96927			B9-B			S2048, S2348			U1	230		8-2525, 8-3035			B9-B			
	96941, K522, K832			B9-B			S2546			U1	230		881400, 88170			U1R			
	K852			B9-B		2002-98	S2554			U1	230		917.25424			U1R			
	K9224AR	B14L-A2		B14L-A2		Lawn Tractors							917.25431			U1R			
	K922PRA	B14L-A2		B14L-A2		2002-00	S1642			U1	230		917.25435			U1R			
	K9324AAR	B14L-A2		B14L-A2		2001-00	S1742			U1	230		917.25474			U1R			
	K932PRA	B14L-A2		B14L-A2		2003-00	S2046			U1	230		917.255121 -			12N9-3A			
	L722, L72256R			B9-B		SEARS							917.255260 -			B14L-A2			
	L8000AT			B14L-A2		Lawn & Garden Tractors							917.255270			B14L-A2			
SABRE (BY JOHN DEERE)							131.96927 -			12N9-3A			917.255273 -			B14L-A2			
Garden Tractors							131.969310						917.255330			B14L-A2			
2002-98	1948GV, 1948HV			U1	230		131.96941 -			12N9-3A			917.255340			U1R			
2002-99	2148HV			U1	230		131.96970						917.25541			U1R			
2000	2254HV			U1	230		136, 137, 140, 141			B16L-B			917.25558			U1R			
2003-00	2354HV, 2554HV			U1	230		142			B16L-B			917.25582			U1R			
Lawn & Garden Tractors							25424, 25431			U1			917.259320			12N9-3A			
	1538GS, 1538HS			U1	230		25432, 25434			U1			917.250740 -			12N9-3A			
	1542GS, 1642GS			U1	230		25435, 25474			U1			917.255120			U1			
	1642HS, 1642HV			U1	230		255113, 255120			B9-B			Compact, Custom			B9-B			
	1646HS, 1646HV			U1	230		255212, 255221			B9-B			K8327AR			U1			
	1842GV, 1842HV			U1	230		255223, 255232			B9-B			SS, ST, Suburban			U1			
	1843HV, 1848GV			U1	230		255240, 255250			B9-B			SIMPLICITY						
	1848HV, 2048HV			U1	230		25541, 25558			U1			Chipper Vacuums						
	22354HV			U1	230		25582, 256128			U1			8/25 SE			U1			
Lawn Tractors							256135, 256321			U1		Commercial Walk-Behind Mowers							
2002-99	1438GS, 1438HS			U1	230		256575, 256576			U1		2004-97	Derby Pacer			U1	220		
2002-97	1542HS			U1	230		256619, 25700			U1		2011-04	Pacer			U1	220		
2001-99	1742GS, 1742HS			U1	230		25710, 25760			U1		Garden Tractors							
2003-99	2046HV			U1	230		25770, 25780			U1		2013-01	Conquest			U1	340		
SAKAI AMERICAN							502.23365 -			U1R		2005-98	Legacy			51	500		
Lawn Equipment							502.23366					2013-06	Legacy XL			51	500		
	SW300, SW320			24	575		502.256050 -			B14L-A2		2013-00	Prestige			U1	230		
	SW330			24	575		502.256051					Gear Lawn Tractors							
Rollers							502.256060			B14L-A2		2514G, 514G				U1			
2007-06	SW Series			24	575		502.256063			B14L-A2		Hydrostatic Lawn Tractors							
2004	SW300, SW320			24	575		502.256070 -			B14L-A2			Command 20			22NF	500		
2004	SW330			24	575		502.256071			B14L-A2			Command 25			22NF	500		
SALACO							502.256080 -			B14L-A2			DM 95D Series			22NF	500		
Woodchippers							502.256081			U1R			FD 620 Series			22NF	500		
	84 Series			U1			502.2561128			B14L-A2			Landlord 16H			U1			
	86 Series			24F	575		502.256120 -			B14L-A2			Landlord 17H			U1			
SCAG							502.256126			B14L-A2			Landlord 18H			U1			
Commercial Walk-Behind Mowers							502.256130 -			B14L-A2			Landlord 20H			U1			
2013-94	SW			U1	220		502.256132			B14L-A2			Landlord 23H			U1			
2002-97	SWU			U1	220		502.2561321			B14L-A2			Sovereign 18H			26R	390		
							502.256134 -			B14L-A2			Sovereign 18PS			26R	390		
							502.256136A			B20L-BS			Sun Star 18H			26R	390		
							502.256135 -						Sun Star 20H			26R	390		
							502.256136										390		

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YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	
SIMPLICITY (Cont.)					SNAPPER (Cont.)					SPEEDEX (Cont.)					
Hydrostatic Lawn Tractors (Cont.)					Lawn & Garden Tractors (Cont.)					Lawn & Garden Tractors (Cont.)					
Trail Craiser			U1		350XS, 417XS			U1		1632, 1640, 1640M			U1		
Lawn & Garden Equipment					418RS, 418XS						1722, 1732, 1822			U1	
Conquest 1700			U1	340	KZS18482, LT11			U1		820, 840, S17, S18			U1		
Conquest 2700			U1	340	LT12, LT12D, LT16			U1		S19, S24			U1		
Lawn & Garden Tractors					Lawn Mowers					SPIRIT					
12FCH, 16CFC			U1		2005 YZ15384BUE		57	U1	190	Hydrostatic Drive Riders					
16FCC, 16GTH			U1		2005 YZ16424BUE		57	U1	190	1650H, 1850H			U1R	230	
17GTH, 18CFC			26R		2005 YZ20484BUE		57	U1	190	1860H, 1136Q			U1R	230	
3008, 3008-3			B9-B		2004-02 ZT18440KH			U1	340	Riding Mowers Q-Drive Riders					
3105, 3108, 3110			U1		2004-02 ZT20500BU			U1	340	1236Q, 1442Q			U1R	230	
4080, 4111, 4208			U1		Lawn Tractors					1650Q			U1R	230	
4211, 4212, 5008			U1		LT 200H48			U1	220	Zero-Turning Radius, Rear Engine					
5010			22NF		2005-00 LT145H33GBV			U1	220	Lawn Pro 14H			U1	295	
5211, 5212, 5216			U1		2005-98 LT145H38GBV			U1	220	Lawn Pro 16H			U1	295	
6008, 6011, 6211			U1		2001-00 LT150H38GKV			U1	220	Lawn Pro 18H			U1	295	
6216			U1		2005-98 LT160H42GBV			U1	220	Lawn Pro 20H			U1	295	
7010, 7012, 7013			22NF		2005-96 LT180H48GBV2			U1	220	Lawn Sport 14LS			U1	295	
7014, 7016, 7112			22NF		Rider Mower					Lawn Sport 16LS			U1	295	
7116, 7117, 7119			22NF		2005 YZ15334BUE		57	U1	190	Lawn Sport 18LS			U1	295	
7790			24		Riding Mowers					STEINER					
9020			70		Great Dane Rider			70	450	All Other Models					
99075			B9-B		Tractor/Mower					ALL					
990755, 990756			22NF		2007-06 250Z Series		57	U1	230	Garden Tractors					
990757, 990758			22NF		2007-06 350Z Series		57	U1	340	2007-06 230, 415, 525			26	450	
990759			22NF		2007-06 450Z Series		57	U1	340	2013-06 430 Max			26R	450	
990780			U1		2007-06 GT500 Series		57	51	500	Tractors					
Lawn Tractors					2007-06 LT200/300 Series		57	U1	230	220			26R	450	
2005-00 Baron			U1	340	2007-06 YT400 Series		57	U1	340	410			U1	235	
2013-00 Broadmoor		57	U1	340	Utility Vehicles					430 Classic			26R	450	
2005-99 Express			U1	200	2004-02 Snapper Grounds Cruiser			U1	375	Utility Tractors					
2013-06 Regent			U1	230	Vacuums					2007-06 UM428					
2004-00 Regent			U1	230	Hi-Vac			U1R	210	Utility Vehicles					
Mowers					Walk Behind Mowers					2004 75 - 70134					
2004-02 Colt			U1R	365	32in. Hydro			U1		2004 75 - 70136		2	26	650	
2004-02 Lancer			U1	230	32in. Gear			U1		2004 ST35, ST480			26	650	
Rear Engine Riders					All Pro Express			U1		Zero-Turn Mowers					
2013-97 Coronet			U1	230	All Pro Hydro			U1		1997-94 202			U1	235	
Riding Rotary Turf Mowers					Walk Mowers					ZTM 200, ZTM 202			U1	235	
2004-97 Derby Morgan		57	U1	335	21401PS, 21401S			BTX4L-BS		ZTM 219			U1	235	
2004-97 Morgan		57	U1	335	214X1PS			BTX4L-BS		2004-98 ZTM 325			U1	235	
Zero-Turn Mowers					Yard Cruisers					STRONGLAND (ARMSTRONG)					
2009-08 Axion			U1	350	HZS 15422			U1	190	Garden & Compact Tractors					
2009-04 Champion 20/44			U1	340	HZS 15423			U1	190	7200, 7400			26	450	
2009-04 Champion 20/50			U1	340	HZS 18482			U1	190	Tractors					
2011-10 Champion 26/52			U1	340	HZS 18483			U1	190	3000, 5000			41		
2013-12 Champion 27/52			U1	340	YZ 145332			U1	190	Yard Tractors					
2009-04 Citation 22/48			U1	340	YZ 145333			U1	190	2200, 2500			U1R	235	
2013-12 Citation 22/52			U1	340	YZ 145338			U1	190	SWISHER					
2009-04 Citation 23/52			U1	340	Zero-Turn Mowers					All Other Models					
2011-10 Citation 25/52			U1	340	2013 200Z 18/42"			U1	230	18Hp/32, Ride King			B12A-A		
2013-12 Citation 26/52			U1	340	2013 200Z 20/42"			U1	190	Rough Cut 50in.			B14A-A2		
2009-04 Citation 28/61			U1	340	2013 200Z 21.5/42"			U1	230	T-60			U1	265	
2013-10 Citation 28/61			U1	340	2013-12 200Z 21/42"			U1	230	Mowers					
2009-04 Cobalt 27/61			U1	350	2013-12 200Z 22/46"			U1	230	2005 ZT 2250			U1	230	
2013-10 Cobalt 30/61			U1	350	2013-12 285Z 26/52"			U1	230	Trail Mowers					
2013-12 Cobalt 32/61			U1	340	2013-12 300Z 27/52"			U1	230	T1260, T1360			U1R	265	
2008-05 Consumer Z			U1	400	2013-09 S200XTBV3261			U1	340	T1460			U1R	265	
2004-97 Derby Stallion			U1	340	Zero-Turn Turf Cruiser Line					ZT Mini-Mower			U1	265	
2007-04 Javelin 20/38			U1	230	All Fast Trak			U1	380	Zero-Turn Mowers					
2007-04 Javelin 20/44			U1	230	All Snapper Z			U1	380	2009-01 Z-Max ST1436B 36			U1	230	
2007-04 Javelin 20/55			U1	230	All Fastback			U1	380	2009-01 Z-Max ZT18542 42			U1	230	
2004-97 Stallion			U1	340	All Turf Cruiser			U1	380	2009-01 Z-Max ZT2350 50			U1	230	
2003-97 Zero Turn			U1	400	M2M 2300, ZF2501			U1	380	2009-01 Z-Max ZT2560 60			U1	230	
SNAPPER					SPEEDEX					Zero-Turning Radius, Front Mower Riders					
Garden Tractors					Lawn & Garden Tractors					Zero-Turning Radius, Three Wheel					
2004-02 LT150H331BU			U1	195	1020, 1030, 1240			U1		1642H, 1650H			U1	265	
2004-02 LT150H381BU			U1	195	1240M, 1320, 1330			U1		1850H, 2060H			U1	265	
2004-02 LT150HGKU			U1	195	Zero-Turning Radius, Three Wheel					A12V8S, AZ2/AZV					
2004-02 LT160H42HBU			U1	195	1020, 1030, 1240						U1			265	
2004-02 LT180H421U2			U1	195	1240M, 1320, 1330						U1			265	
2004-02 LT200H481BU2			U1	195											
Lawn & Garden Tractors															
1233, 2650S			U1												
2652S, 265XS			U1												
266XS, 267XS			U1												
2680S, 308XS			U1												

Lawn & Garden / Small Engine

YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	
SWISHER (Cont.)					TORO (Cont.)					TORO/WHEEL HORSE (Cont.)					
Zero-Turning Radius, Three Wheel (Cont.)					Zero-Turn Mowers (Cont.)					Lawn & Garden Tractors (Cont.)					
	AZV-12V-8S		U1	265	2013-11	Z Master Commercial 3000 Series		U1	300		CT7, LT6, LT7 TE10, TE12		U1		
	AZV-6		U1	265	2013-11	Z Master Professional 5000 Series		U1	300	Lawn Tractors					
SYCAMORE MFG. CO.					2013-12	Z Master Professional 6000 Series		U1	300		12-32 XL, 13-38 XL		U1	155	
Lawn & Garden Equipment											14-38 HXL		U1	155	
	732E		U1								15-38 HXL		U1	155	
TORO											16-38 HXL		U1	155	
Garden Tractors					TORO/WHEEL HORSE						16-38 XL		U1	155	
2013-06	GT2100, GT2200		U1	300	260 Series Lawn Tractors						16-44 HXL		U1	155	
2006	GT2300		U1	300		265-6		U1	210	Midsize Walk Behind Mowers					
Lawn Equipment						265-8, 265-H		U1	300		All Models		U1	300	
2004	2100, 2110		U1	300		266-H		U1	260	Rear Engine Riders					
2003-02	300 Series		U1	230		267-H		U1			11-32, 12-32, 13-32		U1	155	
2007-04	3100		24	370		268-H		U1	340		21-42		U1	235	
2007-04	315 - 8		U1	230		269-H		U1			8-25		U1	155	
2007-04	3200		24	370		270-H		U1	340	Riding Mowers					
2007-04	3300		70	630	300 Series Lawn Tractors						7-25, 9-32, 9-38 9-40, 9-44		U1		
2003-02	400 XT Series		U1	230		312-8		U1	210	Turf Sweeper					
2007-04	4100 - D, 4700 - D		24	650		314 Hydro		U1	300		Toro Turf Sweeper w/18 Hp Kohler		24	500	
2007-04	520XI, 522XI	57	U1	425		314-8		U1	210	Utility Vehicles					
2007-04	580 - D		24	650		314-H		U1	300		Twister 1400		U1	300	
2007	Grounds Master		24	650		315-8		U1	195		Twister 1600		U1	300	
2007-04	Rough Mowers - 4500 - D		24	650	400 Series Lawn Tractors						Walk-Behind-Hydro Drives				
2007-02	Time Cutter 2	57	U1	290		415-H		U1	340		30187, 30189		U1		
2007-02	Time Cutter 2X	57	U1	290		416-8		U1	300		30192, 30159		U1		
2003-02	Wheel Horse 5XI Series	57	U1	425		416XT		U1	260	Walk-Behinds-Gear Drives					
2007-02	Workman 1100		U1	300		417XT, 419XT		U1	340		30167, 30177		U1		
2007	Z Series		24	650		518xi, 520-Hydro		U1	340		30182, 30183		U1		
Riding Reel Mowers						520Lxi, 520xi		U1	340	Zero-Turn Radius Mowers, Commercial					
2013-04	Reel Master 4000 - D		24	650		522xi		U1	340		400 Series		U1	260	
2006-99	Reel Master 5200 - D		26	530	Commercial Riding Mowers						500 Series (Diesel)		26	525	
2013-04	Reel Master 5210		26	530		523Dxi (Diesel)		26	495		500 Series (Gas)		U1	260	
2006-04	Reel Master 5400 - D		26	530		58 Pro, 70 Pro		U1	300		Z Master		U1		
2013-04	Reel Master 5410		26	530		Front Runner		22NF			Z100, Z200, Z235		U1	260	
2006-04	Reel Master 5500 - D		26	530		GM-120		U1			Z255, Z280, Z350		U1	260	
2013-04	Reel Master 5410		26	530		Ground Master		U1			ZRT218, ZRT222		U1	300	
2006-04	Reel Master 5500 - D		26	530		117 Series		U1			ZRT320, ZRT325		U1	300	
2013-04	Reel Master 5510		26	530		Ground Master		26		Zero-Turn Radius Mowers, Consumer					
2013-04	Reel Master 5610		26	530		Ground Master		26R			14-38Z, 15-44Z		U1	260	
2013-04	Reel Master 6500 - D		24	650		120 Series		U1			16-42Z, 16-44Z		U1	260	
2013-04	Reel Master 6700 - D		24	650		Ground Master		26			17-44Z, 17-52Z		U1	260	
Riding Rotary Turf Mowers						200 Series		26			18-44Z, 18-44ZX		U1	260	
2013-05	Grounds Master 3280-D		26	525		Ground Master		26R			19-52ZX		U1	260	
2013-04	Grounds Master 328-D		24	550		300 Series		26		TROY BUILT					
2013-05	Grounds Master 3320-G		26	525		Ground Master 52 Series		24		Garden Tractors					
2013-99	Grounds Master 3500-D		55	580		Ground Master 72 Series		U1		2005-98	GXT 16HP		U1	400	
2013-04	Grounds Master 4000-D		24	660		Pro Line 37 walk-behind		U1		2005-98	GXT 18HP		U1	400	
2013-04	Grounds Master 4100-D		24	660		Pro Line 52 walk-behind		U1		2005-97	GXT 20HP		U1	400	
2013-04	Grounds Master 4500-D		24	660		Pro Line 62 walk-behind		U1		Lawn & Garden Tractors					
2013-04	Grounds Master 4700-D		24	660		Pro Line 620Z rider		U1			11-32, 12-32XL		U1	230	
Zero-Turn Mowers						Pro Line 724Z rider		U1			13 Hp, 13 Hp Gear		U1	230	
2013-12	Grandstand 36"		U1	300	Dingo Models						13,000 Series		U1	280	
2013-12	Grandstand 40"		U1	300		222, 3222, tx420		U1			13-32, 13-38XL		U1	230	
2013-12	Grandstand 48"		U1	300	Fairway Mowers						14-38-HXL, 15 Hp		U1	230	
2013-12	Grandstand 52"		U1	300		Reel Master 4000-D		24	650		15 Hp Gear, 16 Hp		U1	230	
2013-12	Grandstand 60"		U1	300		Rough Mowers - 4500-D		24	650		16-44HXL, 18 Hp		U1	230	
2013-10	Grounds Master 360		26	525		Time Cutter 2, @X		U1	290		361106, 361107		U1	230	
2013-06	Grounds Master 7200		26	540	Lawn & Garden Tractors						361113, 5-8		U1	230	
2010-06	Grounds Master 7210		26	540		1000-L		26			GTX		U1	400	
2013-11	Z Master Commercial 2000 Series		U1	300		10-32, 210, 212		U1		Tillers					
						216, 310, 37300		U1		2003	Horse & Big Red Horse Rototillers		U1	235	
						37351, 55150		U1		1996	Pony Rototiller		B12A-A B9-B		
						55151, 55152		U1			Pony Rototiller				
						56027, 56033		U1		TRU-TEST					
						56044, 57356		U1		All Others					
						57360, 612, 620		U1			All, 10365, 2-832		U1		
						724, 8-32, Big Red		U1							

Lawn & Garden / Small Engine

YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)		
TRU-TEST (Cont.)					WHEEL HORSE (Cont.)					WOODS (Cont.)						
Lawn & Garden Tractors					Riding Mowers (Cont.)					Zero-Turn Mowers (Cont.)						
6-1036, 7-1036			U1		212, 21-42, 308			U1		1998-95	6160		U1	245		
8325, 12 Hp/36			U1		310, 312, 414, 416			U1		2003-95	6180, 6200, 6215		U1	245		
TURFMASTER																
Commercial Mowers																
12 Hp/39, 18 Hp/42			U1		418, 420, 8-25			U1		2003-97	6210		U1	245		
ULTRA																
Lawn & Garden Equipment																
15.5 Hp/42			U1	250	A115			B14L-A2		1999-98	6225		U1	245		
17 Hp/46, 19 Hp/46			U1	250	A50, A80, A81			U1		2003-95	6250		U1	245		
20 Hp/46			U1	250	A85			B14L-A2		2003-99	M2250, M2560		U1	245		
VECTRAL																
Riding Mowers																
11.5 Hp/30 Rider			U1	165	B100, B80, B81			U1		2002-99	R1540		U1	245		
Tractors																
13 Hp/40 Tractor			U1	165	C101, C121, C141			U1		Zero-Turn Radius Riders						
15 Hp/42 Tractor			U1	165	C161, C161 Twin			U1		5182			U1	245		
16.5 Hp/42 Tractor			U1	165	C81, Charger V7			U1		YAMAHA						
VENTRAC										Yard Tractors						
Lawn Tractors																
2013-06	3100, 3200		22NF	410	Charger V8			U1		3600, 5700, 6700			U1			
2004-01	4100		22NF	410	Commando 8			U1		6800			U1			
2013-05	4100 VXD		22NF	410	Commando V7			U1		YANMAR						
2013-01	4200 VXD		22NF	410	Commando V8			U1		Lawn & Garden Equipment						
2013-07	7200		22NF	410	D250			U1		GT14, YM140			51			
VOELLER INC.																
Lawn & Garden Equipment																
SS-7			U1		Lawn Ranger			U1		YM189			51			
WALKER																
Zero-Turn Mowers																
2013-12	MBK 23-HP		U1	300	Work Horse 700			U1		YM220			24			
WALKER MOWERS										YARD MACHINE (BY MTD)						
Lawn & Garden Equipment										Garden Tractors						
All			U1	235	GT-1000			B50-N18L-A		12.5 Hp 38in.			U1	230		
WEED EATER (POULAN/YARD PRO)																
Lawn Tractors																
WE 12538			U1		GT-1050			26R		14.5 Hp 42in.			U1	230		
WE 14542			U1		GT-185, GT-205			B50-N18L-A		18 Hp 46in.			U1	230		
WE 1642			U1R		GT-2055			U1	190	18.5 Hp 46in.			U1	230		
WE 185H42			U1R		GT-2150, GT-2550			U1	190	L.U.V. Bug Riding Mower 6.5 Hp 24in.			B14L-A2			
WESTERN INTERNATIONAL (DYNAMARK)										Hydrostatic Lawn Tractors						
Riding Lawn Mowers																
320000 Series			B14L-A2		GT-225			B50-N18L-A		16.5Hp 42in.			U1	230		
360000 Series			B14L-A2		GT-2550 H			B50-N18L-A		17Hp 46in.			U1	230		
421101, 456301			B14L-A2		Lawn Tractors					YARD MAN						
WHEEL HORSE										Garden Tractors						
260 Series																
265-6, 265-H			U1	300	L-15, LT-11650			U1		2005-97		U804H		U1	270	
300/400 Series																
312-8, 314-8			U1	210	LT-125			B50-N18L-A		1999-97		V804P		U1	270	
314-H, 416-8			U1	210	LT-1300, LT-1450			U1	190	2005-98		W804H		U1	270	
Garden Tractors										Lawn & Garden Tractors						
12-32XL, 13-38XL			U1	235	LT-135			B50-N18L-A		13420			12N9-3A			
14-38HXL			U1	235	LT-14			U1		13518, 13735			U1	270		
16-44HXL			U1	235	LT-15			U1	190	14805, 1674G			U1	270		
C100, C120, C160			22NF	410	LT-1500, LT-1650			U1	190	3260			12N9-3A			
Charger 10			22NF	410	LT-155, LT-160			B50-N18L-A		3420, 3730			U1	270		
Charger 12			22NF	410	LT-1600			U1		3960, 999, A604			U1	270		
Electro 12, GT14			22NF	410	LT-165			B50-N18L-A		D604G, D674G			U1	270		
Raider 10			22NF	410	LT-1800			U1	190	H604H, J694H			U1	270		
Raider 12			22NF	410	LT-1850, LT-2150			U1	190	J884H, LTH-42			U1	270		
Riding Mowers																
108-3, 108-5, 111-5			B14L-A2		LT-1855, 100, 1000			U1		R814K, U604G			U1	270		
11-32, 13-32, 211			U1		Mowers											
					1600			26R		U844H, V694G			U1	270		
WILKOV (WISC. ENGINEERING)																
Lawn Mowers																
1515, 2500, 2512			U1	190	165			U1		W814H, W834H			U1	270		
2516, 2520, 4320			U1	190	1650			26R		W844H, X614G			U1	270		
Utility Tractors																
5000, 5013, 5032			31A	725	180, 1800, 2000			U1		X674G, Y615G			U1	270		
5033			31A	725	80, 800			U1		Y834P, Y844P			U1	270		
WISCONSIN MARINE																
Lawn & Garden Equipment																
Jaguar 61			26R		FST-16			B50-N18L-A		Lawn Tractors						
WOODS																
Commercial Mowers																
1250			U1	245	R80, T80, T85			U1		2005-97		U604H, X604G		U1	270	
1850			70	450	Rear Engine Riders											
Zero-Turn Mowers																
1999-95	6140		U1	245	2011-00		LR927		U1	190	1997-94		X694G		U1	270

Lawn & Garden / Small Engine

YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)	YEAR	MODEL	FOOT NOTE	GROUP/ TYPE NO.	O.E. CCA (@0°F)
YARD PRO (WEED EATER/POULON) (Cont.)					YAZOO/KEES (Cont.)				
Lawn & Garden Tractors (Cont.)					Zero-Turn Mowers (Cont.)				
	YGT2046		U1R	245	2009-04	ZVKH61272 (Max 2)		U1	245
	YGT22H50		U1R	245	2011-10	ZVKH61273		U1	245
	YP1342, YP15H42		U1R	245	2009-04	ZVKH72272 (Max 2)		U1	245
	YPT-1542		U1R	245	2009-06	ZVKH72302 (Max 2)		U1	245
	YPT-1846, YR1846		U1R	245	2009-06	ZVKJ61302 (Max 2)		U1	245
	YTH14		U1R	245	2009-04	ZVKW52252 (Max 2)		U1	245
YAZOO/KEES					2009-04	ZVKW61252 (Max 2)		U1	245
Commercial Riding Mowers					ZAPPER				
	27.5 Hp Diesel Eagle V		24		Lawn & Garden Equipment				
	TR42		26R			TS-14, TS-18		U1	250
	TYK25		26DT	430		TS-20, TS-2093K		U1	250
	YHR16B		26R			TS-22, TS-2293		U1	250
	YHR18.5W		26R			TS-25, TS-950-D		U1	250
	YHR23K		26R			TS-950-G		U1	250
	YHRLD 25		26DT	430	ZIPPER				
	YR 30, YR3012BE		U1	365	Lawn Tractor/Mower				
	YR308BE		U1	365	2007-02	TS - 20, TS - 22		U1	250
	YR36, YR48, YR60		26R		2004-02	TS - 25		U1	250
	YR76		26R						
	YTBSB 18		70						
	YTBS-D265		26DT	430					
	YTKC22, YTKC25		26DT	430					
	YTKCZ 22		70						
	YTVSB18		26DT	430					
	YZTK 20		U1	365					
Dig-It Models									
	148, 158		22NF						
Walk-Behind Mowers									
	YHRK230		26DT	430					
	YHRLD212		26DT	430					
	YHRLK20		26DT	430					
	YHRLK23		26DT	430					
Zero-Turn Mowers									
2008-06	ZCBI48180 (Consumer Z)		U1	245					
2009-06	ZEKW42170 (Esteem Series)		U1	245					
2009-06	ZEKW52210 (Esteem Series)		U1	245					
2009-04	ZHDD61271 (Mega Max)		U1	245					
2009-04	ZHDD72341 (Mega Max)		U1	245					
	ZKH52222		U1	245					
2003-98	ZKHP52233		U1	245					
2003-99	ZKHP52253		U1	245					
2003-98	ZKHP61253		U1	245					
	ZKW 42170		U1	245					
	ZKW 48170		U1	245					
	ZKW 52252		U1	245					
	ZKW 61252		U1	245					
2003-99	ZKW52233		U1	245					
2003-99	ZKW61233		U1	245					
2003-00	ZKWQL42171		U1	245					
2003-98	ZKWQL48171		U1	245					
2003-98	ZKWQL48191		U1	245					
2009-04	ZMB48181 (Mid Max)		U1	245					
2009-04	ZMKH52231 (Mid Max)		U1	245					
2009-06	ZMKW48171 (Mid Max)		U1	245					
2009-04	ZMKW48191 (Mid Max)		U1	245					
2009-04	ZMKW52211 (Mid Max)		U1	245					
2011-10	ZMKW5222		U1	245					
2009-04	ZMKW52231 (Mid Max)		U1	245					
2009-04	ZMKW61231 (Mid Max)		U1	245					
2011-10	ZMKW6124		U1	245					
2011-10	ZPKW5426		U1	245					
2011-10	ZPKW6029		U1	245					
2009-04	ZVHO61242 (Max 2)		U1	245					

POWERSPORT - Motorcycle & Scooter

ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
Motorcycle & Scooter				APRILIA (Cont.)				BIG DOG (Cont.)			
AMERICAN IRONHORSE											
1820cc	2000	Bandit	BTX20L-BS	125cc	2007-06	RS 125	B9-B	1915cc	2011-08	Ridgeback	BTX20L-BS
	2002-00	Classic	BTX20L-BS		2002-97	RS 125	B9-B		2006-05	Ridgeback	BTX20L-BS
	2007-01	Legend	BTX20L-BS		2007-99	Scarabeo 125	B12AL-A	1900cc	2007-06	Chopper	BTX20L-BS
	2007-05	LSC	BTX20L-BS		2011-10	Sportcity 125	B9-B		2005	Chopper BDM	BTX20L-BS
	2007-00	Outlaw	BTX20L-BS		2008	Sportcity 125	B9-B		2005	Chopper DT	BTX20L-BS
	2002-01	Ranger	BTX20L-BS		2009	Sportcity One 125	B9-B		2005	Chopper RT	BTX20L-BS
	2003	Ranger T	BTX20L-BS	100cc	2005-04	Tuono 125	B9-B		2011-09	Coyote	BTX20L-BS
	2009-07	Slammer	BTX20L-BS		2011-10	Scarabeo 100	B9-B	1800cc	2011	Bulldog Sport	BTX20L-BS
	2005-00	Slammer	BTX20L-BS		2007-02	Scarabeo 100	B9-B	1750cc	2004-01	Boxer	BTX20L-BS
	2004-03	Stalker	BTX20L-BS		2009-08	Scarabeo 100 4T	B9-B		2004-01	Bulldog	BTX20L-BS
	2000	Stalker	BTX20L-BS	50cc	2007-99	Mojito Custom 50	B4L-B		2004-03	Chopper	BTX20L-BS
	2007-01	Tejas	BTX20L-BS		2003-99	Mojito Retro 50	B4L-B		2004-03	Chopper DT	BTX20L-BS
	2009-03	Texas Chopper	BTX20L-BS		2004-95	Rally 50 (Air Cooled)	B4L-B		2003-01	Husky	BTX20L-BS
	2002-00	Thunder	BTX20L-BS		2007-02	RS 50	B4L-B		2004-01	Mastiff	BTX20L-BS
1640cc	2009-08	Bandera	BTX20L-BS		2006-94	Scarabeo 50 2T	B4L-B		2004-01	Pitbull	BTX20L-BS
	2008	Classic Chop	BTX20L-BS		2007-02	Scarabeo 50 4T	B9-B		2002-01	Pro Sport	BTX20L-BS
	2009	Judge	BTX20L-BS		2004-01	Scarabeo 50	B4L-B		2004	Ridgeback	BTX20L-BS
APRILIA						Ditech	B4L-B		2001	Vintage Sport	BTX20L-BS
1200cc	2012-11	Dorsoduro 1200	BTX14-BS		2011-10	Sportcity 50	B9-B		2002-01	Wolf	BTX20L-BS
1000cc	2007-01	ETV 1000	BTX14-BS		2009	Sportcity One 50	B9-B	BIMOTA			
		Caponord	BTX14-BS		2012	SR 50	B9-B	1000cc	2001-98	SB8R	BTX12-BS
	2005-01	RST1000 Futura	BTX12-BS		2004-02	SR 50 Ditech	BTX5L-BS	BMW			
	2009-05	RSV 1000 R	BTX12-BS		2011-06	SR50R Factory	B9-B	1300cc	2009	K1300GT	51913
	2009-04	RSV 1000 R	BTX12-BS		2005-04	Tuono 50	B4L-B		2009	K1300S	BTX14-BS
		Factory	BTX12-BS	ATK					2008-03	K1200GT	51913
	2004-98	RSV Mille	BTX12-BS	605cc	2000-96	605 CC	BTX7L-BS		2009-98	K1200LT	51913
	2004-00	RSV Mille R	BTX12-BS		1995-94	605 CC	BTX9-BS		2003	K1200LT Exodus	51913
	2003	RSV Mille R Haga	BTX12-BS		1997-96	605 DS	BTX7L-BS		2002-99	K1200LTC	51913
	2004	RSV Mille R Nera	BTX12-BS		1995-94	605 DS	BTX9-BS		2001-99	K1200LTI Icon	51913
	2000	RSV Mille SP	BTX12-BS		2001-98	605 Enduro	BTX7L-BS		2000-99	K1200LTS	51913
	2010	RSV4 Factory	BTZ10S		1998-96	605 LE	BTX7L-BS		2008-05	K1200R	BTX14-BS
	2012-11	RSV4 Factory SE	BTZ10S	600cc	2001-98	600 DT	BTX7L-BS		2008-07	K1200R Sport	BTX14-BS
	2012-10	RSV4 R	BTZ10S		2001-00	600 MT	BTX7L-BS		2005-97	K1200RS	51913
	2004-00	SL1000 Falco	BTX14-BS	500cc	1999	500 DT	BTX7L-BS		1999	K1200RS Dakar	BTX14-BS
	2011-04	Tuono 1000 R	BTX12-BS	490cc	2000-99	490 CC	BTX7L-BS		2008-06	K1200S	BTX14-BS
	2010-07	Tuono 1000 R	BTX12-BS		2000-99	490 Enduro	BTX7L-BS		2005	K1200S	51913
		Factory	BTX12-BS	406cc	1996	406 CC	BTX7L-BS		2002-98	R1200C	51913
	2005-04	Tuono 1000 R	BTX12-BS		1995-94	406 CC	BTX9-BS		2003-00	R1200C	51913
	2003	Tuono Fighter	BTX12-BS	350cc	1999-96	350 CC	BTX7L-BS			Avantgarde	51913
		1000	BTX12-BS		1995-94	350 CC	BTX9-BS		2005-04	R1200C Classic	51913
	2003	Tuono Racer 1000	BTX12-BS		1997-96	350 DS	BTX7L-BS		2002-96	R1200C Classic	51913
	2012	Tuono V4 R	BT12A-BS		1995-94	350 DS	BTX9-BS		2002-98	R1200C Euro	51913
850cc	2012-08	Mana 850	BTX14-BS		1999-98	350 Enduro	BTX7L-BS		2004-00	R1200C	51913
	2012-09	Mana 850 GT ABS	BTX14-BS	260cc	2001-00	260 Enduro	BTX7L-BS			Independent	51913
750cc	2012-10	750 Shiver	BTX12-BS		1999-96	260 LQ	BTX7L-BS		2003-00	R1200C Montana	51913
	2012-10	Dorsoduro 750	BTX14-BS	250cc	1996	250 CC	BTX7L-BS		2005-04	R1200C Montauk	51913
	2009-08	SL 750 Shiver	BTX14-BS		1995-94	250 CC	BTX9-BS		2002-00	R1200C Phoenix	51913
	2009	SMV 750	BTX14-BS		2001	250 Enduro	BTX7L-BS		2001	R1200C Stiletto	51913
		Dorsoduro	BTX14-BS		2000-96	250 LQ	BTX7L-BS		2006-02	R1200CL	51913
650cc	2007	Pegaso 650	BTX12-BS		1995	250 LQ	BTX9-BS		2009-04	R1200GS	BTX14-BS
	2002-96	Pegaso 650	B12AL-A	125cc	2000	250 LQ MT	BTX7L-BS		2009-06	R1200GS	BTX14-BS
	2002-01	Pegaso 650 (Additional for Police)	BTX9-BS		2001	125 CC	BTX7L-BS			Adventure	51913
	2007	Pegaso 650	BTX12-BS		2000	125 LQ	BTX7L-BS		2007-06	R1200GS HP2	BTX14-BS
		Factory	BTX12-BS	50cc	2000-99	50 CC	BTX7L-BS		2009-06	R1200R	BTX14-BS
550cc	2007-06	Pegaso 650 Trail	BTX12-BS		2001-99	50 MX	BTX7L-BS		2009-05	R1200RT	51913
	2012	RXV 550	BTX7A-BS	BETA					2007-06	R1200S	BTX14-BS
	2009-06	RXV 550	BTX7A-BS	525cc	2009-08	525 RR	BTX5L-BS		2007-05	R1200ST	51913
	2012-06	SXV 550	BTX7A-BS		2009-08	525 RS	BTX5L-BS	1170cc	2006-04	RG1200GS	BTX14-BS
500cc	2004-01	Atlantic 500	B14L-A2	450cc	2009-08	450 RR	BTX5L-BS		2008-07	HP2 Enduro	BTX14-BS
	2011-07	Scarabeo 500 ie	B4L-B		2009-08	450 RS	BTX5L-BS		2009-08	HP2 Megamoto	BTX14-BS
450cc	2012-06	RXV 450	BTX7A-BS	400cc	2009-08	400 RR	BTX5L-BS		2009-08	HP2 Sport	BTX14-BS
	2012	SXV 450	BTX7A-BS	BIG DOG				1150cc	2004-99	R1150GS	51913
	2009-06	SXV 450	BTX7A-BS						2005-02	R1150GS	51913
250cc	2002-96	RS 250	B4L-B							Adventure	51913
	2006-04	Scarabeo 250	B12AL-A	1920cc	2011-10	Bulldog	BTX20L-BS			R1150GS Sport	51913
	2011-07	Sportcity 250	BTX12-BS		2007	Bulldog	BTX20L-BS		2003	R1150R	51913
	2009	Sportcity Cube	BTX12-BS		2005	Bulldog	BTX20L-BS		2006-02	R1150R Roadster	51913
		250	BTX12-BS		2011-06	K-9	BTX20L-BS		2004-01	R1150RS	51913
200cc	2011-08	Scarabeo 200	B12AL-A		2011	K-9 250	BTX20L-BS		2005-01	R1150RT	51913
150cc	2007	Mojito 150	BTX7L-BS		2011-10	K-9 EFI	BTX20L-BS	1100cc	1999-94	K1100LT	51913
	2004-99	Scarabeo 150	B12AL-A		2011-05	Mastiff	BTX20L-BS		1997	K1100LT High Line	51913
125cc	2009	RS 125	B9-B		2011-10	Mastiff EFI	BTX20L-BS			K1100LT Special Edition	51913
					2008	Mutt	BTX20L-BS		1996-94	K1100RS	51913
					2011-05	Pitbull	BTX20L-BS				
					2011-09	Wolf	BTX20L-BS				

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ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
BMW (Cont.)				BUELL (Cont.)				DUCATI (Cont.)			
1100cc	1996	K1100RS SE	51913	1200cc	1998-96	S1 Lightning	BTX14-BS	1098cc	2009	1098 R Bayliss LE	BT12B-4
	1995-94	R1100GS	51913		1998	S1 White Lightning	BTX14-BS		2008-07	1098 S	BT12B-4
	1999-95	R1100GS ABS	51913		1996-95	S2 Thunderbolt	B16-B		2007	1098 S (Early)	BTX14-BS
	1999	R1100GS SE	51913		1996	S2T Thunderbolt	B16-B		2007	1098 S Tricolore	BT12B-4
	2000-95	R1100R	51913		2001-97	S3 Thunderbolt	BTX20L-BS		2007	1098 S Tricolore (Early)	BTX14-BS
	1999	R1100R SE	51913		2002-97	S3T Thunderbolt	BTX20L-BS	1000cc	2004-03	1000	BT12B-4
	2001	R1100RL	51913		2010-06	Ulysess XB12X	BTX14		2006-05	1000DS	BT12B-4
	1994	R1100RS	51913		2002-99	X1 Lightning	BTX20L		2010-07	GT1000	BT12B-4
	2001-94	R1100RS ABS	51913		2010-04	XB12R Firebolt	BTX14		2009	GT1000 Touring	BT12B-4
	1996-94	R1100RSL	51913		2008-04	XB12S Lightning	BTX14		2005-04	Monster 1000	BT12B-4
	2001-94	R1100RT	51913		2010-05	XB12Scg	Lightning		2003	Monster 1000 Dark	BT12B-4
	2000	R1100RT SE	51913		2010-07	XB12Ss Lightning	BTX14		2005-03	Monster 1000s	BT12B-4
	1997-96	R1100RTL	51913		2008-07	XB12STT	Lightning		2008-06	Monster S2R 1000	BT12B-4
	2005-98	R1100S	51913		2010-06	XB12X Ulysses	BTX14		2007-06	Monster S4R	BT12B-4
	2005-04	R1100S ABS	51913		2010-09	XB12XP Ulysses	Police		2008-07	Monster S4R Testastretta	BT12B-4
	2002	R1100S ABS	51913		2010-09	XB12XT Ulysses	BTX14		2006	Monster S4Rs	BT12B-4
	1999	R1100S ABS	51913		2010-09	1125CR	BTX14L		2008-06	Monster S4Rs Testastretta	BT12B-4
	2002	R1100S Boxer	51913		2010-08	1125R	BTX14L		2008	Monster S4Rs Tricolore	BT12B-4
	2005-03	R1100S Boxer Cup Replica	51913	1125cc	2007-03	Firebolt XB9R	BTX14		2004-03	Multistrada 1000	BT12B-4
	2001-00	R1100SA	51913		2010-05	Lightning CityX XB9SX	BTX14		2006-05	Multistrada 1000 DS	BT12B-4
	2000	R1100SA SE	51913		2003	Lightning Low XB9S	BTX14		2006	Multistrada 1000s DS	BT12B-4
1000cc	1995-94	R100GS	B60-N24AL-B		2007-02	XB9R Firebolt	BTX14		2006-05	PaulSmart 1000 LE	BT12B-4
	1995-94	R100GS Paris- Dakar	B60-N24AL-B		2002	XB9R Firebolt (European)	BTX14-BS		2006	Sport 1000	BT12B-4
	1995-94	R100R	B60-N24AL-B		2004-03	XB9S Lightning	BTX14		2008-07	Sport 1000 Biposto	BT12B-4
	1995-94	R100RT	B60-N24AL-B		2004	XB9SL	BTX14		2007	Sport 1000 Monoposto	BT12B-4
	2009	S1000RR	B60-N24AL-B		2010-05	XB9SX Lightning	BTX14		2009-07	Sport 1000s	BT12B-4
850cc	2003-00	R850C	51913		2009-00	Blast	BTX14-BS		2007-04	ST3	BT12B-4
		Avantgarde	51913						2007-06	ST3S ABS	BT12B-4
	2001-96	R850C Classic	51913						2006-03	999	BT12B-4
	2001-00	R850C Euro	51913						2006-03	999R	BT12B-4
	2001-95	R850R	51913						2004-03	999R FILA	BT12B-4
	1996	R850R ABS	51913						2006	999R Xerox	BT12B-4
	1997	R850R Special Edition	51913						2006-03	999S	BT12B-4
800cc	2009-08	F800GS	BTX14-BS						2003-02	998 Biposto	BT12B-4
	2008-06	F800S	BTX14-BS						2004	998 F Edition Biposto	BT12B-4
	2009-06	F800ST	BTX14-BS						2004	998 F Edition Monoposto	BT12B-4
	1994	R80R	B50-N18L-A						2004	998 Matrix	BT12B-4
750cc	1995-94	K75	53030						2004-02	998 Monoposto	BT12B-4
	1995	K75/3	53030						2002	998R	BT12B-4
	1995	K75/3A	53030						2002	998S	BT12B-4
	1994	K75A	53030						2002	998S Bayliss	BT12B-4
	1995-94	K75RT ABS	53030						2002	998S Bostrom	BT12B-4
	1995-94	K75S ABS	51814						2002-02	998S Monoposto	BT12B-4
	1995-94	K75S ABS	53030						2002	996	BT12B-4
650cc	2000-97	F650	B12AL-A						2001	996 Biposto	BT12B-4
	2001-98	F650 Funduro	B12AL-A						2000-99	996 Biposto	B16AL-A2
	1999	F650 SE	B12AL-A						2001	996 Monoposto	BT12B-4
	2006-01	F650CS	B12AL-A						2000-99	996 Monoposto	B16AL-A2
	2005-03	F650CS ABS	B12AL-A						2000-99	996 SPS	B16AL-A2
	2009	F650GS	BTX14-BS						1999	996 SPS Fogarty	B16AL-A2
	2008-01	F650GS	B12AL-A						2001	996R	BT12B-4
	2005	F650GS ABS	B12AL-A						2003-01	996S	BT12B-4
	2003-01	F650GS ABS	B12AL-A						2001	996S Monoposto	BT12B-4
	2007-01	F650GS Dakar	B12AL-A						2000-97	ST2	BT12B-4
	2005-02	F650GS Dakar ABS	B12AL-A						2000-97	ST2	B16AL-A2
	1999-97	F650ST	B12AL-A						2002-01	Monster S4	BT12B-4
	2007	G650 Xchallenge	B12AL-A						2002	Monster S4 Fogarty	BT12B-4
	2009-07	G650 Xcountry	B12AL-A								
	2007	G650 Xmoto	B12AL-A								
	2009	G650GS	B12AL-A								
450cc	2009-08	G450X	BTZ7S								
BUELL				DUCATI							
1200cc	2002-99	Cyclone M2	BTX20L-BS	1200cc	2011	Diavel	BT12B-4				
	2010-04	Firebolt XB12R	BTX14		2011-10	Multistrada 1200	BT12B-4				
	2010-08	Lightning Long XB12Ss	BTX14		2011-10	Multistrada 1200 S	BT12B-4				
	2002-99	Lightning X1	BTX20L		2011-09	1198	BT12B-4				
	2010-05	Lightning XB12Scg	BTX14		2011-10	1198 R Corse	BT12B-4				
	2002-97	M2 Cyclone	BTX20L-BS		2010-09	1198 S	BT12B-4				
	2002	M2L Cyclone	BTX20L-BS		2010	1198 S Corse	BT12B-4				
					2011	1198 SP	BT12B-4				
					2009-08	Hypermotard 1100	BT12B-4				
					2011-10	Hypermotard 1100 EVO	BT12B-4				
					2011-10	Hypermotard 1100 EVO SP	BT12B-4				
					2009-08	Hypermotard 1100 S	BT12B-4				
					2011-09	Monster 1100	BT12B-4				
					2011-09	Monster 1100 S	BT12B-4				
					2009-07	Multistrada 1100	BT12B-4				
					2009-07	Multistrada 1100 S	BT12B-4				
					2011-09	Streetfighter	BT12B-4				
					2011-09	Streetfighter S	BT12B-4				
					2008-07	1098	BT12B-4				
					2007	1098 (Early)	BTX14-BS				
					2009-08	1098 R	BT12B-4				

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JIS Battery Type				JIS Battery Type				JIS Battery Type														
ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL												
DUCATI (Cont.)				DUCATI (Cont.)				HARLEY DAVIDSON (Cont.)														
915cc	2004-03	ST4	BT12B-4	620cc	2004	Monster 620		1690cc	2011	FLHRC/I Road												
	2001	ST4	BT12B-4			Capirex	BT12B-4			King Classic	BTX30L											
	2000-99	ST4	B16AL-A2		2006-05	2004	Monster 620 Dark		BT12B-4	2003	FLHRC/I Road											
	2005-01	ST4S	BT12B-4				Monster 620				King Classic	BTX30L										
	2005	ST4S ABS	BT12B-4				Matrix		BT12B-4		2005	FLHTCSE2										
	900cc	2002-99	900			B16AL-A2	2003-02		2003-02			Monster 620s	BT12B-4		Screamin' Eagle							
		1997	900			B16AL-A2			2006-05			2006-05	Multistrada 620	BT12B-4		Electra Glide 2	BTX30L					
		1998	900 Sport			B16AL-A2							Multistrada 620		2006	FLHTCUSE						
		2002-00	MH900e			BT12B-4							Dark	BT12B-4			Screamin' Eagle					
		2002-01	Monster 900			BT12B-4						600cc	2001	Monster 600		BT12B-4		Ultra Classic				
		2000-97	Monster 900			B16AL-A2							2000-97	2000-97		Monster 600	B16AL-A2	2011	FLHTK Electra			
		1999	Monster 900 City			B16AL-A2										Monster 600 City	B16AL-A2			FLHTCUTG Tri		
		2001	Monster 900													2001	Monster 600 Dark		BT12B-4		Glide Ultra Classic	BTX30L
			Cromo			BT12B-4								2000-98		2000-98	Monster 600 Dark		B16AL-A2		FLHTK Electra	
		2000-98	2000-98			Monster 900											2000-99		2000-99	Monster 600 Dark		
			Cromo	B16AL-A2				City								B16AL-A2			2011-10	FLHTXXX Street		
2002-01			Monster 900 Dark	BT12B-4				2001								Monster 600						Glide Trike
2000-98			Monster 900 Dark	B16AL-A2		Metallic		BT12B-4		2005						FLSTFSE						
1999			Monster 900 Dark			2000		Monster 600													Screamin' Eagle	
			City	B16AL-A2		Metallic		B16AL-A2			2006					Fat Boy				BTX20L-BS		
2001	2001		Monster 900		400cc	1997	400	B16AL-A2												FLSTFSE2		
			Metallic	BT12B-4			2002-97	Monster 400	B16AL-A2											Screamin' Eagle		
	2000		2000	Monster 900				2004-02	Monster 400 Dark						B16AL-A2					Fat Boy	BTX20L-BS	
				Metallic		B16AL-A2		2001-00	Monster 400							2011				FLTRU Road		
			2001	Monster 900s		BT12B-4		Metallic	B16AL-A2						Glide Ultra					BTX30L		
			2000-98	Monster 900s		B16AL-A2		2003	Monster 400s			B16AL-A2			FXDF Fat Bob			BTX20L-BS				
			1998	SS 900		BT12B-4	E-TON					1584cc	2011-07		FLHR/I Road King			BTX30L				
			848cc	2010-08		848	BT12B-4	50cc	2011				Beamer		BTX5L-BS					2010-07	FLHRC Road	
				2011		848 EVO	BT12B-4						2004-00	Beamer	BTX5L-BS					King Classic	BTX30L	
		800cc		2004-03		800	BT12B-4						2010	Beamer 50	BTX5L-BS			2010-07		FLHRC/I Road		
				2003		800 Sport	BT12B-4						2005	Beamer II	BTX5L-BS			King Classic	BTX30L			
				2008-07		Desmosedici RR	BT12B-4						2009-06	Beamer III	BTX5L-BS			2007	FLHRS/I Road			
				2004		Monster 800	BT12B-4		EXCELSIOR-HENDERSON					King Custom	BTX30L							
				2003		Monster 800 Dark	BT12B-4		930cc	2000-99			Super X	BTX20L-BS			2008	FLHRSE4				
				2003		Monster 800s	BT12B-4				GAS GAS						Screamin' Eagle					
2006-05				2006-05	Monster S2R	BT12B-4				370cc	1997		Pampera 370	BTX4L-BS			Road King	BTX30L				
				2007	Monster S2R 800	BT12B-4				250cc	1996		Pampera 250	BTX4L-BS			2009-07	FLHT/I Electra				
	2006-05			Monster S2R Dark	BT12B-4	HARLEY DAVIDSON					Glide Standard		BTX30L									
	796cc			2011-10	Hypermotard 796	BT12B-4	370cc			1997	Pampera 370		BTX4L-BS		2011-07	FLHTC/I Electra						
				750cc	2002-99	750				BT12B-4			2009-06	Beamer III	BTX5L-BS		Glide Classic	BTX30L				
					2002-01	750 Sport				BT12B-4			HARLEY DAVIDSON					2011-10	FLHTCU/I Electra			
					2011-10	Monster 750				BT12B-4	1803cc	2011	FLHTCUSE6			Glide Ultra Classic	BTX30L					
			2002-00		Monster 750	BT12B-4				CVO Ultra Classic			2009	FLHTCUSE4								
			1999-97		Monster 750	B16AL-A2				Electra Glide		BTX30L			CVO Ultra Classic							
		1999	Monster 750 City		B16AL-A2			2011		FLHXSE2 CVO					Electra Glide	BTX30L						
		2002-01	Monster 750 Dark		BT12B-4			Street Glide		BTX30L				2010	FLHTCUSE5							
		2000-99	Monster 750 Dark		B16AL-A2			FLSTSE2 CVO						CVO Ultra Classic								
		1999	Monster 750 Dark					Softail Convertible		BTX20L-BS				Electra Glide	BTX30L							
		2002-01	2002-01		Monster 750				2011	FLTRUSE CVO					2010-09	FLHTCUTG Tri						
					Metallic	BT12B-4			Road Glide Ultra	BTX30L				Glide Ultra Classic	BTX30L							
2000			2000		Monster 750			1800cc	2007	FLHRSE3					2011-07	FLHX Street Glide	BTX30L					
					Metallic	BT12B-4				Screamin' Eagle					2011-07	FLSTC/I Heritage						
			2000		Monster 750					Road King		BTX30L			Softail Classic	BTX20L-BS						
			Metallic		B16AL-A2		2007		FLHTCUSE2					2011-07	FLSTF/I Fat Boy	BTX20L-BS						
	1997		SS 750	BT12B-4		Screamin' Eagle				2011-10		FLSTFB Fat Boy										
	749cc		2006-03	749	BT12B-4		Ultra Classic					Lo		BTX20L-BS								
			2006-05	749 Dark	BT12B-4		Electra Gl		BTX30L		2011-07	FLSTN/I Softail										
			2006-04	749R	BT12B-4		FLHTCUSE3				Custom/Nostalgia											
			2006-03	749S	BT12B-4		Screamin' Eagle				/Special/Deluxe	BTX20L-BS										
			748cc	2002-01	748	BT12B-4			Ultra Classic			2011-08	FLSTSB Cross									
				2000	748	B16AL-A2			Electra Gl	BTX30L		Bones	BTX20L-BS									
				1999-97	748 Biposto	B16AL-A2			2010	FLHXSE CVO			2007	FLSTSC/I Softail								
				2002-01	748 Monoposto	BT12B-4			Street Glide	BTX30L		Springer Classic	BTX20L-BS									
		2000		748 Monoposto	B16AL-A2		FXDFSE CVO				2010	FLSTSE CVO										
		695cc		1997	748 SP	B16AL-A2			Dyna Fat Bob	BTX20L-BS		Softail Convertible	BTX20L-BS									
1999-98				748 SPS	B16AL-A2		2007	FXDSE Screamin'			2009-07	FLTR/I Road Glide	BTX30L									
2002				748R	B16AL-A2		Eagle Dyna	BTX20L-BS		2009	FLTRSE3 CVO											
2001				748R	BT12B-4		FXDSE2			Road Glide	BTX30L											
620cc				2000	748R	B16AL-A2		Screamin' Eagle			2011-10	FLTRX Road										
				2002	748R Biposto	BT12B-4		Dyna	BTX20L-BS		Glide Custom	BTX30L										
	2002-01			748S	BT12B-4		2007	FXSTSSE			2009-08	FXCW Rocker	BTX20L-BS									
	2000			748S	B16AL-A2		Screamin' Eagle			2011-08	FXCWC Rocker C	BTX20L-BS										
	2002-01			748S Monoposto	BT12B-4		Softail Springer	BTX20L-BS		2010-07	FXD/I Dyna Super											
	696cc			2000	748S Monoposto	B16AL-A2		FXSTSSE2			Glide	BTX20L-BS										
			2011-08	Monster 696	BT12B-4		Screamin' Eagle			2011-07	FXDBI Street Bob	BTX20L-BS										
			620cc	2008-07	Monster 695	BT12B-4		Softail Springer	BTX20L-BS		2011-07	FXDC/I Super										
				2003	620 Sport	BT12B-4		FLD Switchback	BTX20L		Glide Custom	BTX20L-BS										
				2006-02	Monster 620	BT12B-4		2012	FLHR Road King	BTX30L		2011	FXDF Fat Bob	BTX20L-BS								
								2012-11	FLHRC Road			2009-08	FXDF Fat Bob	BTX20L-BS								
								King Classic	BTX30L													

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ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
HARLEY DAVIDSON (Cont.)				HARLEY DAVIDSON (Cont.)				HARLEY DAVIDSON (Cont.)			
1584cc	2010	FXDFSE2 CVO Dyna Fat BobBTX20L-BS		1450cc	2006-99	FXDL/I Dyna Low RiderBTX20L-BS		1340cc	1998-97	FXSTC/I Softail CustomB16-B	
	2009-07	FXDL/I Dyna Low RiderBTX20L-BS			2000-99	FXDS-Conv Dyna ConvertibleBTX20L-BS			1996-94	FXSTC/I Softail CustomB16HL-A-LM	
	2011-10	FXDWG/I Dyna Wide GlideBTX20L-BS			2006-99	FXDWG/I Dyna Wide GlideBTX20L-BS			1999-97	FXSTS/I Springer SoftailBTX20L-BS	
	2008-07	FXDWG/I Dyna Wide GlideBTX20L-BS			2001	FXDWG2BTX20L-BS			1996-94	FXSTS/I Springer SoftailB16L-B	
	2007	FXST/I Softail StandardBTX20L-BS			2002	FXDWG3BTX20L-BS			1997	FXSTSB Bad BoyBTX20L-BS	
	2009-07	FXSTB/I Night TrainBTX20L-BS			2005-99	FXDX Dyna Super Glide SportBTX20L-BS			1996-95	FXSTSB Bad BoyB16HL-A-LM	
	2010-07	FXSTC/I Softail CustomBTX20L-BS			2003-01	FXDXT Dyna Super Glide T- SportBTX20L-BS		1300cc	2006	VRXSE Screamin' Eagle DestroyerBTX20L-BS	
	2007	FXSTD/I Softail DuceBTX20L-BS			2000	FXR4BTX20L-BS		1250cc	2010-08	VRSCAW V-RodBTX20L	
	2009	FXSTSSE3 CVO Softail SpringerBTX20L-BS			2006-00	FXST/I Softail StandardBTX20L-BS			2008	VRSCD Night RodBTX20L	
1573cc	2009	FLHTCU/I Electra Glide Ultra ClassicBTX30L			2006-00	FXSTB/I Night TrainBTX20L-BS			2011-08	VRSCDX Night Rod SpecialBTX20L	
1550cc	2002	FLHRSEI Screamin' Eagle Road KingBTX30L			2006-00	FXSTD/I Softail DuceBTX20L-BS			2011-09	VRSCF V-Rod MuscleBTX20L	
	2000	FLTRSEI Screamin' Eagle Road GlideBTX30L		1340cc	1998	FLHR/I Road KingB30L-B			2005	VRSCSE Screamin' Eagle V-RodBTX20L	
	2001	FLTRSEI2 Screamin' Eagle Road Glide 2BTX30L			1997-94	FLHR/I Road KingB50-N18L-A3			2006	VRSCSE2 Screamin' Eagle V-Rod 2BTX20L	
	2003	FXSTDSE Screamin' Eagle Softail DuceBTX20L-BS			1998	FLHRC/I Road King ClassicB30L-B		1200cc	2007	VRSCX V-RodBTX20L	
	2004	FXSTDSE2 Screamin' Eagle Softail Duce 2BTX20L-BS			1998-97	FLHT/I Electra Glide StandardBTX30L			2010-04	XL1200C Sportster 1200 CustomBTX14L-BS	
1450cc	2006-99	FLHR/I Road KingBTX30L			1996-95	FLHT/I Electra Glide StandardB50-N18L-A3			2003-97	XL1200C Sportster 1200 CustomBTX20L-BS	
	2006-04	FLHRC/I Road King ClassicBTX30L			1998-97	FLHTC/I Electra Glide ClassicBTX30L			1996	XL1200C Sportster 1200 CustomB16-B	
	2002-99	FLHRC/I Road King ClassicBTX30L			1996-94	FLHTC/I Electra Glide ClassicB50-N18L-A3			2011-06	XL1200L Sportster 1200 LowBTX14L-BS	
	2006-04	FLHRS/I Road King CustomBTX30L			1998-97	FLHTCU/I Electra Glide Ultra ClassicBTX30L			2011-07	XL1200N Sportster 1200 NightsterBTX14L-BS	
	2003	FLHRSEI2 Screamin' Eagle Road King 2BTX30L			1996-94	FLSTC/I Heritage Softail ClassicBTX20L-BS			2008-04	XL1200R Sportster 1200 RoadsterBTX14L-BS	
	2006-99	FLHT/I Electra Glide StandardBTX30L			1998-97	FLSTF/I Fat BoyBTX20L-BS			2003-97	XL1200S Sportster 1200 SportBTX20L-BS	
	2006-99	FLHTC/I Electra Glide ClassicBTX30L			1996-94	FLSTF/I Fat BoyB16HL-A-LM			1996	XL1200S Sportster 1200 SportB16-B	
	2004	FLHTCSE Screamin' Eagle Electra GlideBTX30L			1998-97	FLSTN/I Softail Custom/Nostalgia /Special/Deluxe B16HL-A-LM			2011-10	XL1200X XL Forty-EightBTX14L	
	2006-99	FLHTCU/I Electra Glide Ultra ClassicBTX30L			1996-94	FLSTS/I Heritage SpringerBTX20L-BS			2007	XL50 50th Anniversary SportsterBTX14L-BS	
	2006	FLHX Street GlideBTX30L			1998	FLTR/I Road GlideB30L-B			2003-97	XLH1200BTX20L-BS	
	2006	FLST/I Heritage SoftailBTX20L-BS			1998-97	FXD/I Dyna Super GlideB16HL-A-LM			1996-94	XLH1200B16-B	
	2006-00	FLSTC/I Heritage Softail ClassicBTX20L-BS			1996-95	FXD/I Dyna Super GlideB16HL-A-LM			2010-09	XR1200BTX14L-BS	
	1999	FLSTC/I Heritage Softail ClassicBTX30L			1998-97	FXDL/I Dyna Low RiderBTX20L-BS		1130cc	2011	XR1200XBTX14L	
	2006-00	FLSTF/I Fat BoyBTX20L-BS			1996-94	FXDL/I Dyna Low RiderB16HL-A-LM			2006-02	VRSCA V-RodBTX14	
	1999	FLSTF/I Fat BoyBTX30L			1998-97	FXDS-Conv Dyna ConvertibleBTX20L-BS			2007	VRSCAW V-RodBTX14	
	2006-05	FLSTN/I Softail Custom/Nostalgia /Special/Deluxe BTX20L-BS			1996-94	FXDS-Conv Dyna ConvertibleB16HL-A-LM			2005-04	VRSCB V-RodBTX14	
	2003-00	FLSTS/I Heritage SpringerBTX20L-BS			1998-97	FXDWG/I Dyna Wide GlideBTX20L-BS			2007-06	VRSCD Night RodBTX14	
	1999	FLSTS/I Heritage SpringerBTX30L			1996-94	FXDWG/I Dyna Wide GlideB16HL-A-LM		883cc	2007	VRSCDX Night Rod SpecialBTX14	
	2006-05	FLSTSC/I Softail Springer ClassicBTX20L-BS			1994	FXLR Low Rider CustomB16-B			2007-06	VRSCR Street RodBTX14	
	2006-99	FLTR/I Road GlideBTX30L			1994	FXR Super Glide IIB16-B			2008-04	XL883 SportsterBTX14L-BS	
	2006-99	FXD/I Dyna Super GlideBTX20L-BS			1999	FXR2B16-B			2009-04	XL883C Sportster 883 CustomBTX14L-BS	
	2006	FXDBI Street BobBTX20L-BS			1999	FXR3B16-B			2003-99	XL883C Sportster 883 CustomBTX20L-BS	
	2006-05	FXDC/I Super Glide CustomBTX20L-BS			1999	FXST/I Softail StandardBTX20L-BS			2010-05	XL883L Sportster 883 LowBTX14L-BS	
	2006	FXDI35 Dyna 35th Anniversary Super GlideBTX20L-BS			1999	FXSTB/I Night TrainBTX20L-BS			2011	XL883L SuperLowBTX14L-BS	
					1999	FXSTC/I Softail CustomBTX20L-BS			2011-09	XL883N Iron 883BTX14L-BS	
									2007-05	XL883R Sportster 883 RoadsterBTX14L-BS	
									2003-02	XL883R Sportster 883 RoadsterBTX20L-BS	
									2003-97	XLH883BTX20L-BS	

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JIS Battery Type				JIS Battery Type				JIS Battery Type			
ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL	
HARLEY DAVIDSON (Cont.)				HONDA (Cont.)				HONDA (Cont.)			
883cc	1996-94	XLH883	B16-B	1200cc	2010	VFR1200F DCT	BTZ14S	600cc	2007-04	VT600C Shadow	
	1995-94	XLH883DLX Sportster 883 Deluxe	B16-B	1100cc	2003-01	CBR1100XX Super Blackbird	BTZ12S			VLX	BTZ10S
	2003-97	XLH883HUG Sportster 883 Hugger	BTX20L-BS		2000-97	CBR1100XX Super Blackbird	BTX12-BS		2003-94	VT600C Shadow VLX	BTX9-BS
	1996-94	XLH883HUG Sportster 883 Hugger	B16-B		2002-94	ST1100	BTX14-BS		2007-04	VT600CD Shadow VLX Deluxe	BTZ10S
HM					2007-01	VT1100C Shadow Spirit	BTX14-BS		2003-94	VT600CD Shadow VLX Deluxe	BTX9-BS
50cc	2007-95	CRE 50	BTX4L-BS		2000-97	VT1100C Shadow Spirit	B16A-AB	450cc	2009-05	CRF450X	BTZ7S
HONDA					2007-00	VT1100C2 Shadow Sabre	BTX14-BS	250cc	2008-94	CB250 Nighthawk	BTX7L-BS
1800cc	2005-01	GL1800 Gold Wing	BTX20L-BS		2002-01	VT1100C3 Shadow Aero	BTX14-BS		2012-11	CBR250R	BTX7L-BS
	2010-09	GL1800 Gold Wing Airbag	BTZ20L		2000-98	VT1100C3 Shadow Aero	B16A-AB		2012-11	CBR250R ABS	BTX7L-BS
	2008-07	GL1800 Gold Wing Airbag	BTX20L-BS		2001	VT1100T Shadow ACE Tour	BTX14-BS		2012	CMX250C Rebel	BTX7L-BS
	2010	GL1800A Gold Wing ABS	BTZ20L		2000-98	VT1100T Shadow ACE Tour	B16A-AB		2009-96	CMX250C Rebel	BTX7L-BS
	2005-01	GL1800A Gold Wing ABS	BTX20L-BS		2012-11	CB1000R	BTZ10S		2007-04	CN250 Helix	BTX12-BS
	2010-09	GL1800HP Gold Wing Audio/Comfort	BTZ20L		1996-94	CBR1000F	B14L-B2		2001-94	CN250 Helix	BTX12-BS
	2006	GL1800HP Gold Wing Audio/Comfort	BTX20L-BS		2005-01	CBR1000RR	BTZ7S		1996-94	CR250R	BTX4L-BS
	2010-09	GL1800HPN Gold Wing Audio/Comfort	BTZ20L		2000-98	CBR1000RR	BTZ10S		2013	CRF250L	BTZ7S
	2008-06	GL1800HPN Gold Wing Audio/Comfort	BTX20L-BS		2012-08	CBR1000RR	BTZ7S		2009-04	CRF250X	BTX5L-BS
	2010-09	GL1800HPNA Gold Wing Audio/Comfort/Na vi/ABS	BTZ20L		2007-04	CBR1000RR ABS	BTZ7S		2007-01	NSS250 Reflex	BTZ12S
	2008-06	GL1800HPNA Gold Wing Audio/Comfort/Na vi/ABS	BTX20L-BS		2006-00	RVT1000R RCS1	BTZ12S		2007-01	NSS250A Reflex ABS	BTZ12S
	2008-06	GL1800P Gold Wing Premium Audio	BTX20L-BS		2005-01	VTR1000 Super Hawk	BTZ12S		2007-04	NSS250AS Reflex Sport ABS	BTZ12S
1500cc	2000-94	GL1500A Gold Wing Aspencade	B50-N18L-A3		2000-98	VTR1000 Super Hawk	BTX12-BS		2006-05	PS250 Big Ruckus	BTZ12S
	2003-97	GL1500C/CD Valkyrie	BTX14-BS		2003-02	CBR954RR	BTZ10S		1996-94	XR250L	BTX4L-BS
	2000-97	GL1500C/CD Valkyrie	B50-N18L-A3		2001-00	CBR929RR	BTZ10S		1996-94	XR250R	BTX4L-BS
	2001-99	GL1500CF Valkyrie Interstate	BTX14-BS		2007-02	CB900F 919	BTZ10S	230cc	2013-12	CRF230F	BTX5L-BS
	2000-99	GL1500CF Valkyrie Interstate	B50-N18L-A3		1999-94	CBR900RR	BTX9-BS		2009-03	CRF230F	BTX5L-BS
	2000-97	GL1500CT Valkyrie Tour	B50-N18L-A3		1998-94	PC800 Pacific Coast	BTX12-BS		2009-08	CRF230L	BTZ7S
	2000-97	GL1500CT Valkyrie Tour	BTX14-BS		2001-98	VFR800 Interceptor	BTX12-BS		2009	CRF230M	BTZ7S
	1996-94	GL1500I Gold Wing Interstate	B50-N18L-A3		2009-02	VFR800A Interceptor ABS	BTZ12S		2013-12	CRF150F	BTX5L-BS
	2000-94	GL1500SE Gold Wing Special Edition	B50-N18L-A3		2003-94	CB750 Nighthawk RVF750R RC45	B14-A2 BTX9-BS		2009-06	CRF150F	BTX5L-BS
1300cc	2010-03	ST1300	BTZ14S		1994	CB750 Nighthawk RVF750R RC45	B14-A2 BTX9-BS		2010	SH150i	BTX7L-BS
	2010-03	ST1300 ABS	BTZ14S		2003-94	VF750C Magna Deluxe	BTX12-BS		2013	CRF110F	BTX4L-BS
	2010	VT1300CR Stateline	BTZ14S		1996-95	VF750CD Magna Deluxe	BTX12-BS		1996-94	EZ90 Cub	BTX5L-BS
	2010	VT1300CS Sabre	BTZ14S		1997-94	VFR750F Interceptor	BTX12-BS		2007-03	CH80 Elite	BTX5L-BS
	2011-10	VT13CX Fury	BTZ14S		2009-07	VFR750F Interceptor	BTX12-BS		1994	CT70	BTX4L-BS
	2010	VT13CXA Fury ABS	BTZ14S		2009-07	VT750C2 Shadow Spirit	BTZ12S		2009-02	CHF50 Metropolitan	BTZ7S
	2009-04	VTX1300C	BTX14-BS		2011-10	VT750C2B Shadow Phantom	BTZ14S		2005-02	CHF50P Metropolitan II	BTZ7S
	2009-05	VTX1300R	BTX14-BS		2007-05	VT750DC Shadow Spirit	BTZ14S		2013	NCH50 Metropolitan	BTX4L-BS
	2007-03	VTX1300S	BTX14-BS		2003-01	VT750DC Shadow Spirit	BTZ14S		2012-11	NPS50 Ruckus	BTZ7S
	2010	VFR1200F	BTZ14S		2011-10	VT750RS Shadow RS	BTZ14S		2009-03	NPS50 Ruckus	BTZ7S
1200cc					2011-10	VT750RS Shadow RS	BTZ14S		2009-04	NPS50S Ruckus	BTZ7S
					2012	NC700X	BTZ12S		2001-94	SA50 Elite SR	BTX4L-BS
					2012	NC700X DCT ABS	BTZ12S		2001-94	SA50P Elite S	BTX4L-BS
					2010	NT700V	BTZ14S				
					2010	NT700VA ABS	BTZ14S				
					2009-94	XR650L	BTX9-BS				
					2006	CB600F 599	BTX7L-BS				
					2004	CB600F 599	BTX7L-BS				
					1994	CBR600F F2	BTX9-BS				
					1998-95	CBR600F F3	BTX9-BS				
					2000-99	CBR600F F4	BTX9-BS				
					2006-01	CBR600F F4i	BTZ10S				
					2012-03	CBR600RR	BTZ10S				
					2012-09	CBR600RR ABS	BTZ10S				
					2009-02	FSC600 Silver Wing	BTZ12S				
					2009-03	FSC600D Silver Wing ABS	BTZ12S				

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ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
HUSABERG (Cont.)				HYOSUNG (Cont.)				KAWASAKI (Cont.)			
570cc	2011	FS570	BTZ7S	650cc	2011-05	GT650R	BTX14-BS	700cc	2000	ZR-7	BTX12-BS
550cc	2005-04	FC550	BTZ7S		2008-05	GT650S	BTX14-BS		2003-01	ZR-7S	BTX12-BS
	2002-01	FC550 (Electric Start)	BTX5L-BS		2011-09	GV650	BT14B-4	650cc	2010-09	ER-6n	BTX12-BS
	2008-04	FE550E	BTZ7S	250cc	2008-06	GV650	BTX14-BS		2011-06	EX650 Ninja 650R	BTX12-BS
501cc	1996-94	FC501	BTX5L-BS		2011-07	GT250	BTX14-BS		2012-08	KLE650 Versys	BTX12-BS
	2000-97	FC501 (Electric Start)	BTX9-BS		2011-07	GT250R	BTX14-BS		2012-94	KLR650	B14L-A2
	1996-94	FE501	BTX5L-BS		2011-05	GV250	BTX9-BS		1996-94	KLX650R	BTX9-BS
	2000-97	FE501 (Electric Start)	BTX9-BS	INDIAN				636cc	2001-00	W650	BTX14-BS
	2003	FE501E	BTZ7S	1720cc	2011	Chief Blackhawk	BTX20H-BS		2005-03	ZX636 Ninja ZX- 6R	BTX9-BS
	1996	FE501E	BTX9-BS		2011	Chief Blackhawk Dark	BTX20H-BS	600cc	1997-96	ZL600 Eliminator	B12A-A
	2002-01	FE501E (Electric Start)	BTX5L-BS		2010	Chief Bomber	BTX20H-BS		2002-94	ZX600 Ninja ZX-6	BTX12-BS
	2000-97	FE501E (Electric Start)	BTX9-BS		2011-10	Chief Classic	BTX20H-BS		2011-08	ZX600 Ninja ZX- 6R	BTX9-BS
	1998-97	FX501E (Electric Start)	BTX9-BS		2011-10	Chief Dark Horse	BTX20H-BS		2002-95	ZX600 Ninja ZX- 6R	BTX12-BS
470cc	2002-01	FC470 (Electric Start)	BTX5L-BS		2009	Chief Deluxe	BTX20H-BS		2006-03	ZX600 Ninja ZX6- RR	BTX9-BS
	2002	FC470E (Electric Start)	BTX5L-BS	1650cc	2003-02	Chief	BTX24HL-BS		2008-05	ZZR 600	BTX9-BS
	2002-01	FX470E (Electric Start)	BTX5L-BS		2001-99	Chief	BTX20-BS	500cc	2004-03	ZZR 600	BTX12-BS
450cc	2005-04	FC450	BTZ7S	1450cc	2003-01	Scout	BTX20-BS		2009-96	EN500C Vulcan 500 LTD	B12AL-A2
	2011-09	FE450	BTZ7S		2003-01	Spirit	BTX20-BS		1996	EN500C Vulcan 500 LTD	B12A-A
	2008-04	FE450E	BTZ7S	KAWASAKI				450cc	2009-97	EX500 Ninja 500R	B14L-A2
	2008-04	FS450E	BTZ7S	1700cc	2011-10	VN1700 Vulcaon	BTX16-BS	400cc	2009-08	KLX450R	BTZ7S
	2011-10	FX450	BTZ7S		2011-10	VN1700 Vulcaon	BTX16-BS		2003	KLX400R	BT7B-4
400cc	1996	FC400	BTX9-BS			1700 Voyager	BTX16-BS	250cc	2003	KLX400SR	BT7B-4
	1999-97	FC400 (Electric Start)	BTX9-BS	1600cc	2008-03	VN1600A Vulcan	BTX16-BS		2011-09	EX250F Ninja 250R	BTX9-BS
	1996	FE400	BTX9-BS		2008-04	VN1600B Vulcan	BTX16-BS		2008	EX250F Ninja 250R	BTX7A-BS
	2000-97	FE400 (Electric Start)	BTX9-BS		2008-05	VN1600D Vulcan	BTX16-BS		1994	EX250F Ninja 250R	B9L-A2
	2003	FE400E	BTX5L-BS			1600 Nomad	BTX16-BS		2010-09	KL250 Super Sherpa	BTX7L-BS
	1996	FE400E	BTX9-BS	1500cc	1998-96	VN1500A Vulcan	B50-N18L-A3		2003-00	KL250 Super Sherpa	BTX7L-BS
	2002-01	FE400E (Electric Start)	BTX5L-BS		1995-94	VN1500A Vulcan	B50-N18L-A3		2005-94	KLR250	B4L-A
	2000-97	FE400E (Electric Start)	BTX9-BS		1997-96	VN1500C Vulcan	B50-N18L-A3		2010-09	KLX250S	BTX7L-BS
	2003	FS400E	BTX5L-BS		2001-99	VN1500G Vulcan	BTX16-BS		2007-06	KLX250S	BTX7L-BS
390cc	2011-10	FE390	BTZ7S			1500 Nomad	BTX16-BS		2010-09	KLX250SF	BTX7L-BS
350cc	1996	FC350	BTX5L-BS		2005-04	VN1500JR Vulcan 1500 Drifter	BTX16-BS	125cc	2009-01	BN125 Eliminator	B9-B
	1996-94	FE350	BTX5L-BS		2004-00	VN1500L Vulcan	BTX16-BS	100cc	2001-94	KE100	6N6-1D-2
	1996	FE350E	BTX5L-BS			Nomad FI	BTX16-BS	KTM			
HUSQVARNA					2003-02	VN1500P Vulcan	BTX16-BS	990cc	2010-06	990 Adventure	BTZ14S
630cc	2011-10	SM 630	BTX14-BS			1500 Mean Streak	BTX16-BS		2010-09	990 Adventure R	BTZ14S
	2005	SMR 630	BTX14-BS	1200cc	2003-94	ZG1200 Voyager	SB50N-18L-AT		2011-05	990 Super Duke	BTZ14S
	2011	SMS 630	BTX14-BS			XII	BTX14-BS		2011	990 Supermoto	BTZ14S
610cc	2011-10	TE630	BTX14-BS		2005-02	ZZR1200	BTX14-BS	950cc	2008-05	950 Supermoto	BTZ14S
	2009	SM 610	BTX14-BS		1997-95	ZX1100 GPZ	BTX14-BS	690cc	2010-09	690 Enduro R	BTZ10S
	2008-06	SMR 610	BTX14-BS	1100cc	2011-06	VN900B Vulcan	BTX12-BS		2010-09	690 SMC	BTZ10S
	2009-98	TE610	BTX14-BS	900cc		900 Classic	BTX12-BS	640cc	2008-07	690 Supermoto	BTZ10S
570cc	2002	SMR 570	BTZ7S		2011-06	VN900D Vulcan	BTX12-BS		2008-98	640 Adventure	BTZ10S
	2002-01	TE570	BTZ7S			900 Classic LT	BTX12-BS		2006-99	640 Duke II	BTZ10S
510cc	2009	SM 510RR	BTZ7S		2003-98	ZX900 Ninja ZX- 9R	BTX9-BS	625cc	2006-04	625 SMC	BTZ10S
	2009-05	SMR 510	BTZ7S		1997-94	ZX900 Ninja ZX- 9R	BTX12-BS		2004-03	625 SXC	BTZ10S
	2009-04	TC510	BTZ7S			VN800A Vulcan	BTX12-BS	620cc	1997-96	620 Duke	BTX9-BS
	2010-02	TE510	BTZ7S			800	BTX12-BS	530cc	2011-08	530 EXC-R	BTX5L-BS
450cc	2010-08	TXC 510	BTZ7S	800cc	2005-04	VN800A Vulcan	BTX12-BS		2011-08	530 XC-W	BTX5L-BS
	2009	SM 450RR	BTZ7S		2003-95	VN800A Vulcan	BTX14-BS	525cc	2006-05	525 EXC	BTX5L-BS
	2010-05	SMR 450	BTZ7S			800 Classic	BTX12-BS		2004-03	525 EXC	BTZ5S
	2011-02	TC450	BTZ7S		2005-04	VN800B Vulcan	BTX12-BS		2007-06	525 EXC-G	BTX5L-BS
	2011-02	TE450	BTZ7S			800 Classic	BTX12-BS	520cc	2002-00	520 EXC	BTX4L-BS
	2010-08	TXC 450	BTZ7S		2003-96	VN800B Vulcan	BTX14-BS	450cc	2005	450 EXC	BTX5L-BS
410cc	2001-00	TE410	BTX14-BS			800 Classic	BTX14-BS		2004-03	450 EXC	BTZ5S
400cc	2001	TE400	BTX14-BS			VN750A Vulcan	B14L-A2		2011-08	450 EXC-R	BTX5L-BS
310cc	2011-09	TE310	BTZ7S	750cc	2006-94	750	B14L-A2		2011-03	450 SX-F	BTX5L-BS
250cc	2011-02	TC250	BTZ7S		1995-94	ZX750 Ninja ZX-7	BTX12-BS		2009-06	450 XC-F	BTX5L-BS
	2011-02	TE250	BTZ7S		2003-96	ZX750 Ninja ZX- 7R	BTX12-BS		2011-06	450 XC-W	BTX5L-BS
	2011-08	TXC 250	BTZ7S		1997-94	ZX750 Ninja ZX- 7R	BTX9-BS	400cc	2006-05	400 EXC	BTX5L-BS
HYOSUNG					1997-96	ZX750 Ninja ZX- 7RR	BTX9-BS		2004-03	400 EXC	BTZ5S
700cc	2011	ST7	BT14B-4						2001-98	400 LC4	BTX9-BS
650cc	2011-07	GT650	BTX14-BS						1998-97	400 LSE	BTX9-BS
									1998-96	400 RXC	BTX9-BS
									2010-09	400 XC-W	BTX5L-BS
									2007	400 XC-W	BTX5L-BS

POWERSPORT - Motorcycle & Scooter

ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
KTM (Cont.)				SUZUKI				TM (Cont.)			
350cc	2011	350 SX-F	BTX5L-BS	1300cc	2008	GSX1300BK B- King	BTX12-BS	450cc	2009-04	SMX450F	BTX7L-BS
300cc	2011-06	300 XC	BTX4L-BS		2011	GSX1300R Hayabusa	BTX12-BS	250cc	2009-04	EN250	BTX7L-BS
	2011-06	300 XC-W	BTX4L-BS						2009-04	EN250F	BTX7L-BS
250cc	2005-03	250 EXC	BTZ5S	1200cc	2005-98	GSF1200S Bandit	BTX12-BS		2009-05	MX250	BTX7L-BS
	2005	250 EXC	BTX5L-BS	1000cc	2009-02	DL1000 V-Strom	BTX14-BS		2009-05	MX250F	BTX7L-BS
	2002-94	250 EXC	BTX5L-BS	950cc	2005	M95 Boulevard	BTX20CH-BS		2003	XC250	BTX7L-BS
	2005-03	250 EXC 4-Stroke	BTZ5S	900cc	1997-94	RF900	BTX9-BS	TRIUMPH			
	2011-06	250 XC	BTX4L-BS	800cc	2009-05	C50 Boulevard	BTX12-BS	2300cc	2010-04	Rocket III	BTX20L-BS
	2009-07	250 XC-F	BTX5L-BS		2009	C50 Boulevard SE	BTX12-BS		2009-06	Rocket III Classic	BTX20L-BS
	2011-06	250 XCF-W	BTX5L-BS		2008-05	C50B Boulevard	BTX12-BS		2011	Rocket III Roadster	BTX20L-BS
	2011-06	250 XC-W	BTX4L-BS		2008-06	C50C Boulevard	BTX12-BS	1600cc	2011	Thunderbird	BTX20L-BS
MOTO GUZZI					2009-05	C50T Boulevard	BTX12-BS		2011	Thunderbird ABS	BTX20L-BS
1200cc	2008	Breva 1200 Sport	53030		2004-01	VL800 Intruder Volusia	BTX12-BS		2011	Thunderbird SE	BTX20L-BS
	2010-09	Griso 1200	53030		2004-94	V800GL Intruder	B16B-A1		2011	Thunderbird Storm	BTX20L-BS
	2009-07	Norge 1200	53030	750cc	2004-97	VZ800 Marauder	BTX12-BS	1200cc	1997-94	Daytona 1200	B14L-A2
	2011	Norge 1200 GT	53030		2011	GSX-R750	BT12A-BS		2003-00	Trophy 1200	BTX14-BS
	2011-09	Stelvio 1200	53030		2009-00	GSX-R750	BT12A-BS		1999-95	Trophy 1200	B14L-A2
1150cc	2011	Griso 8V SE	53030		2006-94	GSX-R750	BTX9-BS	1050cc	2011	Tiger	BTX12-BS
1100cc	1996	1100 California	53030		1997-94	GSX-R750	B14L-B2		2011	Tiger SE	BTX12-BS
	1996-95	1100 California I	53030	650cc	2009-04	DL650 V-Strom	BTX12-BS	1000cc	2011-09	Bonneville T100	BTX12-BS
	1996-95	1100 Sport	53030		2011	DR650SE	BTX9-BS		2011	Bonneville T100 Jet Black	BTX12-BS
	1995	1100 Sport I	53030		2009-96	DR650SE	BTX9-BS	955cc	2004-99	Daytona 955i	BTX14-BS
	2008-07	Breva 1100	53030		1997-96	DR650SE	B10L-B2		1998	Sprint Sport	B14L-A2
	2008-07	Griso 1100	53030		1995-94	DR650SES	BTX12-BS		2004-99	Sprint ST	BTX14-BS
	2000-99	V11 Bassa	53030		2009-08	GSX650F	BTX9-BS	885cc	2001-96	Adventurer	B14L-A2
	1999-98	V11 EV	53030		2008-95	LS650 Savage	B14L-B2		1996-94	Speed Triple	B14L-A2
	2000	V11 Jackal	53030		2009	SFV650 Gladius	BT12A-BS		1998-94	Sprint	B14L-A2
	2000-99	V11 Quota	53030		2008-03	SV650	BTX12-BS		2003-02	Thunderbird	B14L-A2
	2001-00	V11 Sport	53030		2002-99	SV650	BT12A-BS	865cc	2011	America	BTX12-BS
	2001	V11 Sport Rosso Mandello	53030		2008-07	SV650A ABS	BTX12-BS		2011	Bonneville SE	BTX12-BS
1075cc	2011	California Black Eagle	53030		2009-03	SV650S	BTX12-BS		2011-09	Scrambler	BTX12-BS
	2005-01	California EV	53030	600cc	2009-08	SV650SA ABS	BTX12-BS		2006	Scrambler	BTX12-BS
	2001	California Jackal	53030		2003-96	GSF600S Bandit	BTX9-BS		2011	Speedmaster	BTX12-BS
	2001	California Special	53030		2006-98	GSX600F Katana	BTX9-BS		2011-04	Thruxton	BTX12-BS
	2005-02	California Stone	53030		1997-94	GSX600F Katana	B10L-B2	790cc	2010-09	America	BTX12-BS
	2003-02	California Stone Metal	53030		2011	GSX-R600	BTX9-BS		2005-01	Bonneville	BTX12-BS
	2005-04	California Stone Touring	53030	500cc	2009-97	GSX-R600	BTX9-BS		2010-09	Bonneville SE	BTX12-BS
	2010	California Vintage	BTX20L-BS		2002-94	GS500	B10L-B2		2010-09	Speedmaster	BTX12-BS
	2009-07	California Vintage	53030		2009-04	GS500F	B10L-B2		2005-03	Speedmaster	BTX12-BS
1000cc	1998	V10 Centauro GT	53030		2009-06	M50 Boulevard	BTX12-BS	750cc	2010-95	Tiger	B9-B
	1998	V10 Centauro Sport	53030		2007	M50 Boulevard Limited	BTX12-BS		2010	Tiger SE	B9-B
750cc	2008-07	Breva 750	BTX14AHL-BS		2009	M50 Boulevard SE	BTX12-BS		1998-94	Trident	B9-B
	2008-07	Nevada Classic 750	B18L-A	400cc	2006-05	M50B Boulevard	BTX12-BS	675cc	2010-06	Daytona 675	BT7B-BS
700cc	2011-09	V7 Classic	53030		2009-05	S50 Boulevard	B16B-A1		2010-09	Street Triple 675	BTX9-BS
	2011-09	V7 Classic	BTX14AHL-BS		2006-03	AN400S Burgman Type S	BT12A	600cc	2003-00	TT600	BTX12-BS
MV AGUSTA					2004-00	DR-Z400	BT7B-BS	VICTORY			
1090cc	2011-10	Brutale 1090RR	BTZ10S		2007-00	DR-Z400E	BT7B-BS	1730cc	2010-09	Cory Ness Jackpot	BTX20L-BS
1078cc	2009	Brutale 1078RR	BTZ10S		2011	DR-Z400S	BT7B-BS		2011	Vegas	BTX20L-BS
	2009	F4 RR 312 1078	BTZ10S		2009-00	DR-Z400S	BT7B-BS		2011-09	Vegas 8-Ball	BTX20L-BS
1000cc	2011-10	F4	BTZ10S		2011	S40 Boulevard	B14L-B2		2011-09	Vegas Jackpot	BTX20L-BS
	2008	F4 R 312	BTZ10S	350cc	2009-05	S40 Boulevard	B14L-B2	1635cc	2010-06	Kingpin	BTX20L-BS
	2008	F4 R 312 1+1	BTZ10S	250cc	1999-94	DR350SE	BTX7L-BS		2009	Kingpin Low	BTX20L-BS
	2006-05	F4-1000 S	BTZ10S		2007-01	DR-Z250	BTZ7S		2009-07	Kingpin Tour	BTX20L-BS
	2006-05	F4-1000 S 1+1	BTZ10S		2010-99	GZ250	BTX7L-BS		2010-06	Vegas	BTX20L-BS
	2007	F4-1000R	BTZ10S		2009	TU250X	BTX7L-BS		2010-06	Vegas 8-Ball	BTX20L-BS
	2007	F4-1000R 1+1	BTZ10S	200cc	2009-96	DR200SE	BTX7L-BS		2008-06	Vegas Jackpot	BTX20L-BS
990cc	2011-10	Brutale 990R	BTZ10S	125cc	1996-94	DR125SE	BTX7L-BS		2009-08	Vegas Low	BTX20L-BS
910cc	2008-06	Brutale 910 R	BTZ10S		1996-94	GN125E	B7-A	1500cc	2005-04	Kingpin	BTX20L-BS
	2008	Brutale 910 S	BTZ10S	70cc	2009-08	DR-Z70	BT4B-5		2006-03	Touring Cruiser	BTX20L-BS
	2006	Brutale 910 S	BTZ10S	TM					2002-98	V92C	BTX20L-BS
	2004	Brutale ORO	BTZ10S	660cc	2009-08	SMX660F	BTX7L-BS		2002-01	V92C Deluxe	BTX20L-BS
	2005-04	Brutale S	BTZ10S		2006-04	SMX660F	BTX7L-BS		2005-03	Vegas	BTX20L-BS
	2003	F4-750 S	BTZ10S	530cc	2009-05	EN530F	BTX7L-BS	YAMAHA			
	2003	F4-750 S 1+1	BTZ10S		2009-05	MX530F	BTX7L-BS	1900cc	2007-06	XV1900 Roadliner	BT14B-4
	2002-00	F4-S	BTZ10S		2009-04	SMM530F	BTX7L-BS		2009	XV1900CT Stratoliner	BT14B-4
	2002-01	F4-S 1+1	BTZ10S		2009-05	SMR530F	BTX7L-BS		2007-06	XV1900CT Stratoliner	BT14B-4
	2002	F4-S Senna	BTZ10S		2007	SMX530F	BTX7L-BS		2012-10	XV1900CT Stratoliner Deluxe	BT14B-4
	2004	F4-SPR	BTZ10S	450cc	2009-04	EN450F	BTX7L-BS				
675cc	2012	F4	BTZ10S		2009-04	MX450F	BTX7L-BS				
					2009-05	SMM450F	BTX7L-BS				
					2009-04	SMR450F	BTX7L-BS				

POWERSPORT - Motorcycle & Scooter

JIS Battery Type				JIS Battery Type				JIS Battery Type			
ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL	
YAMAHA (Cont.)				YAMAHA (Cont.)				YAMAHA (Cont.)			
1900cc	2008-06	XV1900CTM Stratoliner MidnightBT14B-4		1300cc	2012-10	XVZ1300TFS Royal Star Venture SBTX20L-BS		125cc	2009-04	YJ125 Vino 125BTX7A-BS	
							2012-09			YW125 Zuma 125BT7B-BS	
	2012-06	XV1900CTS Stratoliner SBT14B-4		1200cc	2007-94	VMX1200 V-MaxB16AL-A2		110cc	2012-11	TTR110EBT4B-5	
							2009-08			TTR110EBT4B-5	
	2009-06	XV1900M Roadliner MidnightBT14B-4		2012		XT1200 Super TenereBTZ12S		90cc	2007-03	TTR90EBT4B-5	
							2012			BWs 50BTX5L-BS	
	2012	XV1900S Roadliner SBT14B-4		1100cc	1999-97	XV1100 ViragoB50-N18L-A		50cc	2001-97	CW50 Zuma IIB4L-B	
							1996-94			XV1100 ViragoB50-N18L-A2	
	2010-06	XV1900S Roadliner SBT14B-4		2009-99		XVS1100 V Star 1100 CustomBT14B-4		2001-94	CY50 JogBTX4L-BS		
							2001-94			SH50 RazzB4L-B	
	2012	XV19C Raider SCLBT14B-4		2009-00		XVS1100A V Star 1100 ClassicBT14B-4		2012	TTR50EBT4B-5		
							2009-06			TTR50EBT4B-5	
2012-08	XV19CX Raider SBT14B-4		2009-02		XVS1100AT V Star 1100BT14B-4		2011-06	XC50 Vino 50 ClassicBTX5L-BS			
2011-08	XV19CXC Raider SBT14B-4		1000cc	1995-94	FZR1000BTX14-BS		2011-07	XF50 C3BTX5L-BS			
						2009-07			XP50 C3BTX5L-BS		
1700cc	2012-09	VMX1700 V-MaxBTZ14S		2012-06	FZS1000 FZ1BTZ14S		2004-01	YJ50 VinoBT4B-5			
						2005-02			YJ50RA Vino ClassicBT4B-5		
	2009-08	XV1700A Road StarBT14B-4		2005-01	FZS1000 FZ1BT12B-4		2011-08	YW50 ZumaBTX5L-BS			
						1994			GTS1000ABTX14-BS		
	2007-04	XV1700A Road StarBTX20L-BS		1997	YZF1000BTX14-BS		2005-02	YW50 ZumaBTX5L-BS			
						2012-04			YZF-R1BTZ10S		
	2007-04	XV1700AM Road Star MidnightBTX20L-BS		2003-98	YZF-R1BT12B-4		2012	Zuma 50FBTX5L-BS			
						2010			YZF-R1 LEBTZ10S		
	2012-08	XV1700AS Road Star SBT14B-4		2006	YZF-R1 LEBTZ10S						
						2012-09	XVS950 V Star 950BTZ14S				
	2010-08	XV1700AT Road Star SilveradoBT14B-4		2012-09	XVS950CT V Star 950 TourerBTZ14S						
2007-04	XV1700AT Road Star SilveradoBTX20L-BS		800cc	2012-11	FZ8BTZ10S						
2007-04	XV1700ATM Road StarBTX20L-BS		750cc	1997-94	XV750 ViragoB16AL-A2						
						1998-94	YZF750RBTX12-BS				
2012-08	XV1700ATS Road Star Silverado SBT14B-4		1999	YZF-R7BT9B-4							
2009-02	XV1700PC Road Star WarriorBT14B-4		650cc	2013	XVS650 V Star CustomBT12B-4						
2009-05	XV1700PCM Road Star Midnight WarriorBT14B-4		2011-98		XVS650 V Star CustomBT12B-4						
1600cc	2003-99	XV1600A Road StarBTX20L-BS		2010-98	XVS650A V Star ClassicBT12B-4						
2003-00	XV1600AS Road Star MidnightBTX20L-BS		2010-02	XVS650AT V Star SilveradoBT12B-4							
2003-99	XV1600AT Road Star SilveradoBTX20L-BS		600cc	2012-09	FZ6RBT12B-4						
						1999-94	FZR600RB12AL-A2				
1300cc	2005-03	FJR1300BT14B-4		2009-04	FZS600 FZ6BT12B-4						
						1998-94	XJ600S Seca IIBTX9-BS				
	2012-04	FJR1300A ABSBT14B-4		1995-94	XT600BTX9-BS						
						2007-95	YZF600RBTX12-BS				
	2011-05	FJR1300AEBT14B-4		2012-06	YZF-R6BTZ10S						
						2005-01	YZF-R6BT9B-4				
	2011	StrykerBTX20L-BS		2000-99	YZF-R6BT12B-4						
						2009-06	YZF-R6SBT9B-4				
	2012	XVS13 StrykerBTX20L-BS		2000-94	XV535 ViragoB12AL-A2						
	2012-11	XVS1300 V Star 1300BTX20L-BS		500cc	2011-09	XP500 TMAXBTZ10S					
2009-07	XVS1300 V Star 1300BTX20L-BS		450cc	2012-11	WR450FBTZ7S						
						2009-03	WR450FBTZ7S				
2012-07	XVS1300A V Star 1300 TourerBTX20L-BS		400cc	2012	YP400 MajestyBT9B-4						
1998-96	XVZ1300A Royal StarBTX20L-BS		2010-05	YP400 MajestyBT9B-4							
2001-99	XVZ1300AL Royal Star BoulevardBTX20L-BS		350cc	2000-94	XT350B3L-B						
2000-96	XVZ1300AT Royal Star Tour ClassicBTX20L-BS		250cc	2008-06	CP250 MorphousBTZ10S						
2009-05	XVZ1300CT Royal Star Tour DeluxeBTX20L-BS		2006-99	TTR250BT7B-4							
					2012-11	WR250FBTZ7S					
2001-97	XVZ1300CT Royal Star Tour DeluxeBTX20L-BS		2009-08	WR250FBTZ7S							
					2007-03	WR250FBTX5L-BS					
2007-06	XVZ1300CTM Royal Star Midnight Tour DeluxeBTX20L-BS		2013-08	WR250RBTZ7S							
2009-99	XVZ1300TF Royal Star VentureBTX20L-BS		2011-08	WR250XBTZ7S							
2007-02	XVZ1300TFM Royal Star Midnight VentureBTX20L-BS		2013-08	XT250BTZ7S							
			230cc	2012-08	XV250 V Star 250B10L-A2						
			225cc	2007-95	XV250 ViragoB10L-A2						
			200cc	2012-11	TTR230BTX5L-BS						
			125cc	2009-05	TTR230BTX5L-BS						
			200cc	2004-99	TTR225BT7B-4						
			125cc	2007-01	XT225BTZ7S						
			200cc	2000-94	XT225BTX7L-BS						
			200cc	2013-94	TW200B7C-A						
			125cc	2009-03	TTR125EBTX4L-BS						
			125cc	2012-11	TTR125LEBTX4L-BS						
			200cc	2009-03	TTR125LEBTX4L-BS						
			125cc	2001-94	XC125 Riva 125B7C-A						

POWERSPORT - Utility Vehicle

ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
Utility Vehicle				HONDA				KAWASAKI (Cont.)			
ARCTIC CAT				JOHN DEERE				KYMCO			
1000cc	2011-09	Prowler XTZ 1000	B30L-B	700cc	2011-09	MUV700 Big Red	BTX14-BS	620cc	2011-09	620 Mule 4010 4x4	U1
	2009	Prowler XTZ 1000 Baja	B30L-B		2011-10	Gator TE 4x2 Electric (8 batteries required)	GC2		2011-09	620 Mule 4010 Trans 4x4	BTX20L-BS
	2012	Prowler XTZ 1000i	B30L-B		2011-10	ProGator 2020A	U1		2011-09	620 Mule 4010 Trans 4x4	U1
	2002	SBS 1000	B30L-B	1120cc	2011-10	ProGator 2020A	U1	400cc	2012-05	400 Mule 600	B14A-A2
	2012	Wildcat 1000i HO	BTX30L		2011-10	Gator XUV 855D	U1		2012-05	400 Mule 610 4x4	B14A-A2
700cc	2011	Prowler HDX 700	B30L-B	900cc	2011-10	ProGator 2020A	U1		2012-10	400 Mule 610 4x4 XC	B14A-A2
	2012	Prowler HDX 700i	B30L-B	855cc	2011	Gator XUV 855D	U1		2013-12	KAF400 Mule 600	B14A-A2
	2009	Prowler XT 700	BTX24HL-BS		2011-10	Gator HPX 4x4 Diesel	U1		2013-12	KAF400 Mule 610 4x4	B14A-A2
	2011-10	Prowler XTX 700	B30L-B		2011-10	Gator TH 6x4 Diesel	U1		2013-12	KAF400 Mule 610 4x4 XC	B14A-A2
	2009	Prowler XTX 700	BTX24HL-BS		2010	Gator XUV 850D 4x4 Diesel	U1	POLARIS			
	2009-08	Prowler XTX 700 LE	BTX24HL-BS	825cc	2011	Gator XUV 825i 4x4	U1	900cc	2011	Ranger RZR XP 900	BTX30L
650cc	2012	Prowler XTX 700i	B30L-B		2011-10	Gator TH 6x4	U1		2011	Ranger RZR XP 900 LE	BTX30L
	2008	Prowler 650 4x4 Auto	B50N-18L-LM	675cc	2011-10	Gator TX 4x2	U1	800cc	2011	Ranger RZR 4 EPS Robby Gordon	BTX30L
	2007-06	Prowler 650 H1	B50N-18L-LM		2011-10	Gator HPX 4x4	U1		2011-10	Ranger RZR 4 Robby Gordon Edition	BTX30L
	2008	Prowler XT 650 4x4 Auto	B50N-18L-LM	650cc	2011-10	Gator HPX 4x4	U1		2009-05	Ranger XP 700	BTX30L
	2008	Prowler XT 650 4x4 Auto M4	B50N-18L-LM	625cc	2011	Gator XUV 625i 4x4	U1	500cc	2007-04	Ranger 4x4 500	BTX30L
	2009	Prowler XT 650 H1	B50N-18L-LM		2010	Gator XUV 620i 4x4	U1		2004-01	Ranger 4x4 500	B30L-B
550cc	2007-06	Prowler XT 650 H1	B50N-18L-LM	620cc	2011-10	Gator TX 4x2 Turf	U1		2011-06	Ranger 4x4 500 EFI	BTX30L
	2009	Prowler 550	BTX24HL-BS	400cc	2011-10	Gator TS 4x2	U1	425cc	2003-02	Ranger 2x4 425	B30L-B
	2011-10	Prowler XT 550i	B30L-B	350cc	2011-10	Gator CX 4x2	B16CL-B	400cc	2010	Ranger 4x4 400	BTX30L
	2012	Prowler XT 550i	B30L-B	300cc	2011-10	Gator CX 4x2	B16CL-B	170cc	2011-09	Ranger RZR 170	BTX12-BS
ARGO				KAWASAKI				SUZUKI			
775cc	2007	Jim Shockey Limited Edition Signature Series	45	950cc	2002-00	950 Mule 2510 Diesel	26R	620cc	2005	QUV620F	BTX20L-BS
750cc	2010	750 HDi 8x8	45		2008-03	950 Mule 3010 Diesel 4x4	26R	YAMAHA			
	2010	750 HDi 8x8 (Optional)	51		2008-07	950 Mule 3010 Trans 4x4 Diesel	26R	1000cc	2005-04	YXP1000A Pro Hauler 1000	24
	2010	750 HDi 8x8 Special Edition	45		2011-09	950 Mule 4010 Diesel 4x4	26R	700cc	2006-04	YXP700A Pro Hauler 700	24
	2010	750 HDi 8x8 Special Edition (Optional)	51		2011-09	950 Mule 4010 Trans 4x4 Diesel	26R		2013-11	YXR700F Rhino 700 FI	U1
	2010-07	Avenger 750 EFI 8x8	45	750cc	2009-08	KRF750 Teryx (Can.)	BTX14		2009-08	YXR700F Rhino 700 FI	U1
	2010	Avenger 750 EFI 8x8 (Optional)	51		2009-08	KRF750 Teryx (US)	U1		2013	YXR700F Rhino 700 FI Auto 4x4 Special Edition	U1
700cc	2010-06	Avenger 700 8x8	45		2011-09	KRF750 Teryx FI 4x4 (Can.)	BTX14		2012	YXR700F Rhino 700 FI Auto 4x4 Sport Edition	U1
	2010	Avenger 700 8x8 (Optional)	51		2011-09	KRF750 Teryx FI 4x4 (US)	U1	660cc	2007-04	YXR66F Rhino 660	U1
650cc	2010-08	Frontier 650 6x6	45		2011	KRF750 Teryx FI 4x4 LE (Can.)	BTX14	450cc	2009-06	YXR45F Rhino 450	U1
	2010	Frontier 650 6x6 (Optional)	51		2011	KRF750 Teryx FI 4x4 LE (US)	U1				
	2010-08	Frontier 650 8x8	45		2011-09	KRF750 Teryx FI 4x4 Sport (Can.)	BTX14				
	2010	Frontier 650 8x8 (Optional)	51		2011-09	KRF750 Teryx FI 4x4 Sport (US)	U1				
617cc	2007	Frontier 6x6	45		2010-08	KRF750 Teryx LE (Can.)	BTX14				
	2006	Conquest 6x6	45		2010-08	KRF750 Teryx LE (US)	U1				
	2006	Conquest 8x8	45		2009-08	KRF750 Teryx NRA Outdoors (Can.)	BTX14				
580cc	2010-08	Frontier 580 6x6	45		2009-08	KRF750 Teryx NRA Outdoors (US)	U1				
	2010	Frontier 580 6x6 (Optional)	51		2009	KRF750 Teryx Sport (Can.)	BTX14				
570cc	2006	Bigfoot 6x6	45		2009	KRF750 Teryx Sport (US)	U1				
	2007	Response 8x8	45	620cc	1994	620 Mule 2500	B16CL-B				
480cc	2007-06	Vanguard 2 6x6	45		2007-03	620 Mule 3000	BTX20L-BS				
	2007-06	Vanquard 6x6	45		2007-03	620 Mule 3010 4x4	BTX20L-BS				
CAN-AM					2007-05	620 Mule 3010 Trans 4x4	BTX20L-BS				
1000cc	2011	Commander 1000	BTX20L		2003	620 Mule 3020	BTX20L-BS				
	2011	Commander 1000 X	BTX20L		2011-09	620 Mule 4010 4x4	BTX20L-BS				
	2011	Commander 1000 XT	BTX20L								
800cc	2011	Commander 800R	BTX20L								
	2011	Commander 800R XT	BTX20L								
E-TON											
90cc	2010-07	Rover	BTX5L-BS								
	2010-07	Rover GT	BTX5L-BS								

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ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
ATV				ARCTIC CAT (Cont.)				ARCTIC CAT (Cont.)			
ARCTIC CAT				650cc	2007	650 H1 4x4 Auto		300cc	2012-10	300	BTX12-BS
1000cc	2011-10	1000 EFI H2 4x4				TRV Plus	B14-A2	2003-98	300 2x4		B14L-A2
		Auto Mud Pro	BTX20H-BS		2007	650 H1 4x4 Auto		2010	300 2x4 Auto		BTX12-BS
	2011-10	1000 EFI H2 4x4				TRV Plus LE	B14-A2	2005-98	300 4x4		B14L-A2
		Auto TRV	BTX20H-BS		2006-04	650 V-2 4x4 Auto	B14-A2	2004	300 4x4 MRP		B14L-A2
	2011	1000 LTD	BTX20H-BS		2006-04	650 V-2 4x4 Auto		2012-09	DVX 300		BTX12-BS
	2011-09	1000 TRV Cruiser	BTX20H-BS			LE/TS	B14-A2	2009-06	250 2x4		BTX12-BS
	2012	1000i GT	BTX20H-BS		2004	650 V-2 4x4 Auto		2005-99	250 2x4		B14L-A2
	2011	MudPro 1000	BTX20H-BS			MRP	B14-A2	2005-01	250 4x4		B14L-A2
	2012	MudPro 1000i LTD	BTX20H-BS		2011	MudPro 650	B18-A	2008-06	DVX 250		BTX12-BS
	2011	Prowler XTZ 1000		550cc	2011-09	550 4x4 Auto	BTX20H-BS	2012-09	150 2x4		BTX9-BS
		H2 EFI	BTX20H-BS		2010-09	550 4x4 Auto LE	BTX20H-BS	2004-02	90 2x4		BTX4L-BS
	2010-08	Thundercat 1000			2011-09	550 4x4 Auto TRV	BTX20H-BS	2012-10	90 2x4 4-Stroke		BTX5L-BS
		4x4 Auto	BTX20H-BS		2009	550 4x4 Auto TRV		2008-04	90 2x4 4-Stroke		BTX5L-BS
	2010	Thundercat 1000				LE	BTX20H-BS	2009	90 2x4 SE		BTX5L-BS
		4x4 Auto LE	BTX20H-BS		2009	550 H1 EFI	BTX20H-BS	2012-10	DVX 90		BTX5L-BS
	2012	TRV 1000i Cruiser	BTX20H-BS		2011	550 LTD	BTX20H-BS	2008-06	DVX 90		BTX5L-BS
	2012	TRV 1000i GT	BTX20H-BS		2011	550 S	BTX20H-BS	2009	DVX 90 SE		BTX5L-BS
700cc	2011	700	BTX20H-BS		2011-10	550 TRV Cruiser	BTX20H-BS	2008	50 2x4		BTX5L-BS
	2008-07	700 Diesel	BTX24HL-BS		2012	550i	BTX20H-BS	2006	50 2x4		BTX5L-BS
	2008-07	700 EFI 4x4 Auto	B18-A		2012	550i GT	BTX20H-BS	2005-04	50 2x4		BTX4L-BS
	2007	700 EFI 4x4 Auto			2012	550i LTD	BTX20H-BS	2006	DVX 50		BTX5L-BS
		LE	B18-A		2012	TRV 550i Crusier	BTX20H-BS	BOMBARDIER			
	2008	700 EFI 4x4 Auto		500cc	2009-98	500 4x4	B14-A2	800cc	2006	Outlander 800 HO	
		M4	B18-A		2009-00	500 4x4 Auto	B14-A2			EFI 4x4	BTX20L-BS
	2006	700 EFI 4x4 Auto			2002	500 4x4 Auto FIS	B14-A2	2006	Outlander 800 HO		BTX20L-BS
		SE	B18-A		2006-05	500 4x4 Auto LE	B14-A2			EFI 4x4 XT	BTX20L-BS
	2011-09	700 EFI 4x4 Auto			2008	500 4x4 Auto M4	B14-A2	2006	Outlander Max		BTX20L-BS
		TRV Cruiser	BTX20H-BS		2004-03	500 4x4 Auto MRP	B14-A2			800 HO EFI 4x4	BTX20L-BS
	2008	700 EFI 4x4 Auto			2006-02	500 4x4 Auto TBX	B14-A2	2006	Outlander Max		BTX20L-BS
		TRV Cruiser	B18-A		2008	500 4x4 Auto TRV	B14-A2			800 HO EFI 4x4	BTX20L-BS
	2008	700 EFI 4x4 Auto			2006-03	500 4x4 Auto TRV	B14-A2			XT	BTX20L-BS
		TRV LE	B18-A		2002	500 4x4 FIS	B14-A2	650cc	2005-00	DS650	BTX15L-BS
	2010-09	700 EFI H1 4x4			2004-03	500 4x4 MRP	B14-A2	2004-01	DS650 Baja		BTX15L-BS
		Auto	BTX20H-BS		2012	TRV 500i GT	BTX20H-BS	2004	DS650 Baja X		BTX15L-BS
	2010-09	700 EFI H1 4x4		454cc	1998-97	Bearcat 454 2x4	B14-A2	2003-00	DS650 Racer		BTX15L-BS
		Auto LE	BTX20H-BS		1998-96	Bearcat 454 4x4	B14-A2	2006-05	DS650 X		BTX15L-BS
	2011-09	700 EFI H1 4x4		450cc	2011	450	BTX20H-BS	500cc	2004-02	Quest 500 4X4	B16CL-B
		Auto Mud Pro	BTX20H-BS		2010	450 EFI H1 4x4		2004-02	Quest 500 4X4		(Optional) B50-N18L-A3
	2009-08	700 EFI H1 4x4				Auto	BTX20H-BS	2004-02	Quest 500 4X4 TX		B16CL-B
		Auto SE	BTX20H-BS		2011	450 LTD	BTX20H-BS	2004-02	Quest 500 4X4		TX (Optional) B50-N18L-A3
	2010	700 EFI H1 4x4			2011	450 TRV	BTX20H-BS	2005-99	Traxter 500 4x4		Auto B16CL-B
		Auto TBX	BTX20H-BS		2011	450 XC I	BTX20L-BS	2005-02	Traxter 500 4x4		Auto (Optional) B50-N18L-A3
	2011-09	700 EFI H1 4x4			2012	450i	BTX20H-BS	2005-01	Traxter 500 4x4		Auto XT B16CL-B
		Auto TRV	BTX20H-BS		2012	450i GT	BTX20H-BS	2005-02	Traxter 500 4x4		Auto XT (Optional) B50-N18L-A3
	2011	700 LTD	BTX20H-BS		2012	TRV 450i	BTX20H-BS	2005	Traxter 500 Auto		4x4 CVT B16CL-B
	2011-10	700 S	BTX20H-BS		2012	TRV 450i GT	BTX20H-BS	2005	Traxter 500 Auto		4x4 CVT B16CL-B
	2012-11	700 Super Duty			2012-11	XC 450i	BTX20L-BS			(Optional) B50-N18L-A3	
		Diesel	BTX24HL-BS		2011	425	BTX20L-BS	2005-99	Traxter 500 XL		BTX12-BS
	2011-10	700 TRV GT	BTX20H-BS	425cc	2012	425i	BTX20L-BS	2005-02	Traxter 500 XL		(Optional) B50-N18L-A3
	2012	700i	BTX20H-BS		2012	425i SE	BTX20L-BS	2005-03	Traxter Max 500		4x4 Auto B16CL-B
	2012	700i GT	BTX20H-BS		2012	425i SE	BTX20L-BS	2005-03	Traxter Max 500		4x4 Auto (Optional) B50-N18L-A3
	2012	700i LTD	BTX20H-BS		2004-98	400 2x4	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2011	MudPro 700	BTX20H-BS	400cc	2004-03	400 2x4 Auto	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT (Optional) B50-N18L-A3
	2012	MudPro 700i	BTX20H-BS		2002	400 2x4 FIS	B14-A2			(Optional) B50-N18L-A3	
	2012	MudPro 700i LTD	BTX20H-BS		2007-98	400 4x4	B14-A2	2005-02	Traxter 500 XL		BTX12-BS
	2011	Prowler XTX 700			2004-03	400 4x4 ACT	B14-A2	2005-02	Traxter 500 XL		(Optional) B50-N18L-A3
		H1 EFI	BTX20H-BS		2008-02	400 4x4 Auto	B14-A2	2005-03	Traxter Max 500		4x4 Auto B16CL-B
	2011	TBX 700 LTD	BTX20H-BS		2004-03	400 4x4 Auto ACT	B14-A2	2005-03	Traxter Max 500		4x4 Auto (Optional) B50-N18L-A3
	2012	TBX 700i LTD	BTX20H-BS		2007-05	400 4x4 Auto LE	B14-A2	2005-03	Traxter Max 500		4x4 Auto (Optional) B50-N18L-A3
	2012	TRV 700i Cruiser	BTX20H-BS		2004-03	400 4x4 Auto MRP	B14-A2	2005-03	Traxter Max 500		4x4 Auto (Optional) B50-N18L-A3
	2012	TRV 700i GT	BTX20H-BS		2006-04	400 4x4 Auto TBX	B14-A2	2005-03	Traxter Max 500		4x4 Auto (Optional) B50-N18L-A3
670cc	2010	Super Duty Diesel	BTX24HL-BS		2010-06	400 4x4 Auto TRV	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
650cc	2004	650 4x4 Auto	B14-A2		2007	400 4x4 Auto TRV		2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2004	650 4x4 Auto LE	B14-A2			Plus	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2009	650 4x4 Auto TBX	B14-A2		2006-05	400 4x4 Auto VP	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2011-10	650 H1 4x4 Auto	B18-A		2002	400 4x4 FIS	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2008-05	650 H1 4x4 Auto	B14-A2		2004-03	400 4x4 MRP	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2007	650 H1 4x4 Auto			2011	400 4x4 TRV	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
		LE	B14-A2		2006-05	400 4x4 VP	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2011-10	650 H1 4x4 Auto			2008-04	DVX 400	BTX9-BS	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
		Mud Pro	B18-A		2007-06	DVX 400 TS	BTX9-BS	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2006	650 H1 4x4 Auto		375cc	2002	375 Auto 2x4	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
		SE	B14-A2		2002	375 Auto 4x4	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2007	650 H1 4x4 Auto			2009-08	366 4x4 Auto	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
		TBX	B14-A2		2011-10	366 4x4 Auto SE	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
	2009-08	650 H1 4x4 Auto		366cc	2012-11	350	B14-A2	2005-04	Traxter Max 500		4x4 Auto XT B16CL-B
		TRV	B14-A2	350cc				2005-04	Traxter Max 500		4x4 Auto XT B16CL-B

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ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	
BOMBARDIER (Cont.)				CAN-AM (Cont.)				E-TON (Cont.)				
400cc	2004	Outlander Max 400 HOBTX15L-BS		650cc	2010-07	Outlander Max 650 HO EFIBTX20L-BS		150cc	2010	Yukon II CXL 150BTX9-BS		
	2006-04	Outlander Max 400 HO XTBTX20L-BS			2010-07	Outlander Max 650 HO EFI XTBTX20L-BS		90cc	2001	AXL 90BTX4L-BS		
330cc	2005-04	Outlander 330 HO 2x4BTX15L-BS			2010	Outlander Max 650 HO EFI XT-PBTX20L-BS			2002-00	Sierra 90BTX5L-BS		
	2005-04	Outlander 330 HO 4x4BTX15L-BS		500cc	2012-11	Outlander 500 EFIBTX20L-BS			2001-99	Thunder 90BTX5L-BS		
250cc	2006	DS250BTX12-BS			2012-11	Outlander 500 EFI XTBTX20L-BS			2001-00	TXL 90BTX4L-BS		
90cc	2006-02	DS90BTX4L-BS			2010-07	Outlander 500 HO 4x4 EFIBTX20L-BS			2007-02	Viper 90BTX5L-BS		
	2006-02	DS90 4-StrokeBTX4L-BS			2010-07	Outlander 500 HO 4x4 EFI XTBTX20L-BS			2013	Viper 90 Silver SeriesBTX5L-BS		
50cc	2006-02	DS50BTX4L-BS			2010	Outlander 500 HO 4x4 EFI XT-PBTX20L-BS			2011-09	Viper 90 Silver SeriesBTX5L-BS		
	2004-03	Quest 50BTX4L-BS			2011	Outlander Max 500 EFIBTX20L-BS			2005	Viper 90R (Reverse)BTX5L-BS		
CAN-AM					2012-11	Outlander Max 500 EFI XTBTX20L-BS			2011-06	Viper 90R 4- StrokeBTX5L-BS		
1000cc	2012	Renegade 1000 EFIBTX20L-BS			2010-07	Outlander Max 500 HO EFIBTX20L-BS			2013	Viper 90R Silver SeriesBTX5L-BS		
	2012	Renegade 1000 EFI X xcBTX20L-BS			2010-07	Outlander Max 500 HO EFI XTBTX20L-BS			2011-09	Viper 90R Silver SeriesBTX5L-BS		
800cc	2010-07	Outlander 800 HO 4x4 EFIBTX20L-BS			2010-07	Outlander Max 500 HO EFIBTX20L-BS		70cc	2005	Viper 70BTX5L-BS		
	2010-07	Outlander 800 HO 4x4 EFI XTBTX20L-BS			2010	Outlander Max 500 HO EFI LTDBTX20L-BS			2011-06	Viper 70 4-StrokeBTX5L-BS		
	2010	Outlander 800 HO 4x4 EFI XT-PBTX20L-BS			2010-07	Outlander Max 500 HO EFI XTBTX20L-BS			2011-09	Viper 70 Silver SeriesBTX5L-BS		
	2012-11	Outlander 800R EFIBTX20L-BS			2010	Outlander Max 500 HO EFI XT-PBTX20L-BS			2007-06	Viper 70M 4- StrokeBTX5L-BS		
	2012	Outlander 800R EFI X mrBTX20L-BS			2010-08	Renegade 500BTX20L-BS		50cc	2001	AXL 50BTX4L-BS		
	2011	Outlander 800R EFI X xcBTX20L-BS		450cc	2012-11	Renegade 500 EFIBTX20L-BS			2001-99	Lightning 50BTX5L-BS		
	2012-11	Outlander 800R EFI XTBTX20L-BS			2011-08	DS 450BT7B-BS			2001-00	TXL 50BTX4L-BS		
	2011	Outlander 800R EFI XT-PBTX20L-BS			2012	DS 450 EFI X mxBT7B-BS		40cc	2004-02	Viper 50BTX5L-BS		
	2010-07	Outlander Max 800 HO EFIBTX20L-BS			2012	DS 450 EFI X xcBT7B-BS			2005	Viper 50M (Mini)BTX5L-BS		
	2010-07	Outlander Max 800 HO EFI LTDBTX20L-BS			2008	DS 450 XBT7B-BS			2001-00	Rascal 40BTX4L-BS		
	2010-07	Outlander Max 800 HO EFI XTBTX20L-BS		400cc	2011-09	DS 450 X mxBT7B-BS			2005	Viper 40E (Electric)BTX4L-BS		
	2010	Outlander Max 800 HO EFI XT-PBTX20L-BS			2011-09	DS 450 X xcBT7B-BS			2004	Viper Jr.BTX5L-BS		
	2012-11	Outlander Max 800R EFIBTX20L-BS			2012-11	Outlander 400 EFI XTBTX20L-BS			2003-02	Viper Jr.BTX4L-BS		
	2012-11	Outlander Max 800R EFI LTDBTX20L-BS			2008-07	Outlander 400 HO EFIBTX20L-BS		HONDA				
	2011	Outlander Max 800R EFI X mrBTX20L-BS			2010-08	Outlander 400 HO EFI XTBTX20L-BS		700cc	2009-08	TRX700XXBTX9-BS		
	2012-11	Outlander Max 800R EFI XTBTX20L-BS			2012-11	Outlander 400 HO EFI XTBTX20L-BS		680cc	2010-06	TRX680FA FourTrax RinconBTX20L-BS		
	2012-11	Outlander Max 800R EFI XT-PBTX20L-BS			2008-07	Outlander 400 HO XTBTX20L-BS			2009-06	TRX680FGA FourTrax Rincon GPScapeBTX20L-BS		
	2010-07	Renegade 800BTX20L-BS			2010-08	Outlander 400 HO EFIBTX20L-BS		650cc	2004-03	TRX650FA FourTrax Rincon GPScapeBTX20L-BS		
	2011	Renegade 800 RBTX20L-BS			2008-07	Outlander 400 HO XTBTX20L-BS			2004	TRX650FGA FourTrax Rincon GPScapeBTX20L-BS		
	2010-08	Renegade 800 XBTX20L-BS			2012-11	Outlander Max 400 EFIBTX20L-BS		500cc	2011	TRX500FA FourTrax Foreman RubiconBTX14-BS		
	2010	Renegade 800 X xcBTX20L-BS			2010-08	Outlander Max 400 HO EFIBTX20L-BS			2009-01	TRX500FA FourTrax Foreman RubiconBTX14-BS		
	2012	Renegade 800R EFIBTX20L-BS			2010-08	Outlander Max 400 HO EFI XTBTX20L-BS			2009-05	TRX500FE FourTrax Foreman 4x4 ESBTX14-BS		
	2012	Renegade 800R EFI X xcBTX20L-BS			2008-07	Outlander Max 400 HO XTBTX20L-BS			2006-05	TRX500TM FourTrax ForemanBTX14-BS		
650cc	2007	DS 650 XBTX15L-BS		250cc	2012-07	DS 250BTX12-BS		450cc	2009-06	TRX450ER Electric StartBTZ7S		
	2012-11	Outlander 650 EFIBTX20L-BS		200cc	2012-07	Rally 200B14A-A2		420cc	2013-09	TRX420FA Rancher ATBTX14-BS		
	2012-11	Outlander 650 EFI XTBTX20L-BS		90cc	2012-08	DS 90BTX4L-BS			2013-07	TRX420FE FourTrax Rancher 4X4 ESBTX14-BS		
	2011	Outlander 650 EFI XT-PBTX20L-BS		70cc	2012-08	DS 70BTX4L-BS			2013-07	TRX420FM FourTrax Rancher 4X4BTX14-BS		
	2010-07	Outlander 650 HO 4x4 EFIBTX20L-BS		CANNONDALE					2011-09	TRX420FPA Rancher AT 4x4 w/ Power SteeringBTX14-BS		
	2010-07	Outlander 650 HO 4x4 EFI XTBTX20L-BS		440cc	2003-02	Blaze 440BTX9-BS			2011-09	TRX420FPE Rancher ES 4x4 w/ Power SteeringBTX14-BS		
	2010	Outlander 650 HO 4x4 EFI XT-PBTX20L-BS			2003-02	Cannibal 440BTX9-BS			2011-09	TRX420FPM Rancher 4x4 w/ Power SteeringBTX14-BS		
	2012-11	Outlander Max 650 EFIBTX20L-BS			2003-02	Glamis 440BTX9-BS			2011-07	TRX420TE FourTrax Rancher ESBTX14-BS		
	2012-11	Outlander Max 650 EFI XTBTX20L-BS			2003-02	Moto 440BTX9-BS						
	2012-11	Outlander Max 650 EFI XT-PBTX20L-BS		400cc	2001	Speed 440BTX9-BS						
						FX400BTX9-BS						
				E-TON								
				250cc	2010	Vector 250BTX12-BS						
					2009-05	Vector 250BTX12S						
				150cc	2011-05	Viper 150RBTX9-BS						
					2001-00	YukonBTX9-BS						
					2009-02	Yukon IIBTX9-BS						

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JIS Battery Type				JIS Battery Type				JIS Battery Type				
ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL		ENGINE	YEAR	MODEL		
HONDA (Cont.)				KAWASAKI (Cont.)				POLARIS (Cont.)				
420cc	2011-07	TRX420TM		90cc	2012-07	KFX90	BTX5L-BS	400cc	2001-95	Xplorer 400 4x4	B14A-A2	
400cc	2009-99	FourTrax Rancher	BTX14-BS	80cc	2005-03	KFX80	BTX5L-BS	2002		Xplorer 400L	B14A-A2	
		TRX400EX		50cc	2009-07	KFX50	BTX5L-BS	1997-96		Xpress 400L	B14A-A2	
		Sportrax	BTX9-BS	KTM				335cc	2000-98	Sportsman 335	B14A-A2	
	2006-04	TRX400FA		525cc	2010-08	525 XC	BTX5L-BS	1999		Worker 335	B14A-A2	
		FourTrax Rancher		505cc	2010-09	505SX	BTX5L-BS	2005-03		Magnum 330 2x4	BTX14AH-BS	
	2006-04	AT	BTX14-BS	450cc	2010-08	450 XC	BTX5L-BS	2006-03		Magnum 330 4x4	BTX14AH-BS	
		TRX400FGA			2010-09	450SX	BTX5L-BS	2011-03		Trail Boss 330	BTX14AH-BS	
		FourTrax Rancher		KYMC				325cc	2002-00	Magnum 325 2x4	B14A-A2	
	2003-95	AT GPScape	BTX14-BS	500cc	2009-06	MXU500	BTX20L-BS	2002-00		Magnum 325 4x4	B14A-A2	
		TRX400FW			2011-10	MXU500 IRS	BTX20L-BS	2002-99		Trail Boss 325	B14A-A2	
350cc	2006-00	Foreman 4x4	BTX14-BS	375cc	2011-10	Maxxer 375 4x4		2002-00		Xpedition 325	B14A-A2	
		TRX350FE				IRS	B14A-A2	2009-06		Hawkeye 2x4	B14-B2	
		FourTrax Rancher			2011-10	MXU375 IRS	B14-A2	2008-06		Hawkeye 2x4	B14A-A2	
	2006-00	4x4 ES	BTX14-BS		2011	MXU375 IRS LE	B14-A2	2007-06		Hawkeye 4x4	B14-B2	
		TRX350FM		300cc	2008	Maxxer 300	BTX12-BS	2010		Sportsman 300	B14-B2	
	2006-00	FourTrax Rancher	BTX14-BS		2011-06	Mongoose 300	BTX12-BS	90cc	2011-07	Outlaw 90	BTX5L-BS	
		4X4			2008	Maxxer 250	BTX12-BS	2006-03		Predator 90	BTX5L-BS	
		TRX350TE		250cc	2011-05	MXU300	BTX12-BS	2002-01		Scrambler 90	BTX4L-BS	
	2006-00	FourTrax Rancher	BTX14-BS		2009-04	Mongoose 250	BTX12-BS	50cc	2011-08	Outlaw 50	BTX5L-BS	
		ES	BTX14-BS		2009-04	MXU250	BTX12-BS	2007-04		Predator 50	BTX5L-BS	
300cc	2000-94	TRX300 FourTrax	BTX14-BS	150cc	2011-05	MXU150	BTX9-BS	2003		Scrambler 50	BTX5L-BS	
	2000-94	TRX300FW		90cc	2010-04	Mongoose 90	BTX5L-BS	2002-01		Scrambler 50	BTX4L-BS	
	2009-01	FourTrax 4x4	BTX14-BS	70cc	2010-07	Mongoose 70	BTX5L-BS	SUZUKI				
		TRX250EX	BTX9-BS	50cc	2008	Maxxer 50	BTX5L-BS	750cc	2011	LT-A750X		
250cc	2013-02	TRX250TE	BTX12-BS		2011	Mongoose 50	BTX5L-BS			KingQuad AXi 4x4	BTX20CH-BS	
		FourTrax Recon		POLARIS				2009-08		LT-A750X		
	2013-11	ES	BTX12-BS	525cc	2010-08	Outlaw 525 S	BTX9-BS			KingQuad AXi 4x4	BTX20CH-BS	
		TRX250TM	BTX12-BS	500cc	2005-04	ATP 500	B14A-A2	700cc	2007-05	LT-A700X		
	2009-02	FourTrax Recon	BTX12-BS		1999	Big Boss 500 6x6	B14A-A2			KingQuad 4x4	BTX20CH-BS	
		TRX250X	BTX9-BS		2002	Diesel 500	B14A-A2	2005-04		LT-V700F Twin		
	2012-11	TRX200D	BTX9-BS		2001	Diesel 500	B14A-A2	500cc	2001-00	LT-A500F	BTX16-BS-1	
		FourTrax Type II	BTX12-BS		2000	Diesel 500	B14A-A2			QuadMaster	BTX16-BS-1	
	90cc	2006	TRX90 Sportrax	BTX5L-BS		1999	Diesel 500	B14A-A2	2007-02		LT-A500F Vinson	
		2009-07	TRX90EX	BTX5L-BS		2002-99	Diesel 500 (Diesel				500 4x4 Auto	BTX20CH-BS
JOHN DEERE						.445 Litre		2002-98		LT-F500F		
650cc	2006	Buck 650 Auto	B16CL-B			(Primary))	B30CL-B			QuadRunner 4x4	BTX16-BS-1	
	2006	Buck 650 EX Auto	B16CL-B		2002	Diesel 500 (Diesel		2007-04		LT-F500F Vinson		
	2006	Buck 650 EXT				.445 Litre				500 4x4	BTX20CH-BS	
		Auto	B16CL-B			(Secondary))	B14A-A2	2003		LT-F500F Vinson		
	2005-04	Trail Buck 650	B16CL-B		2001	Diesel 500 (Diesel				500 4x4	B16-B	
	2005-04	Trail Buck 650 EX	B16CL-B			.445 Litre		450cc	2010-07	LT-A450X		
	2005-04	Trail Buck 650				(Secondary))	B14A-A2			KingQuad AXi 4x4	BTX14-BS	
	500cc	2006-04	Buck 500	B16CL-B		2000	Diesel 500 (Diesel		2010-07		LT-A450X	
		2006-05	Buck 500 Auto	B16CL-B			.445 Litre				KingQuad AXi 4x4	BTX7A-BS
	2005-04	Buck 500 EX	B16CL-B		1999	Diesel 500 (Diesel		2006		LT-R450		
Buck 500 EXT		B16CL-B			.445 Litre				QuadRacer	BTX7A-BS		
2005-04		Trail Buck 500	B16CL-B			(Secondary))	B14A-A2	400cc	2007-02	LT-A400 Eiger		
						.445 Litre			2x4 Auto	BTX14-BS		
KASEA						(Secondary))	B14A-A2	2007-02		LT-A400F Eiger	BTX14-BS	
250cc	2005-03	Skyhawk 250	BTX7A-BS		2002	Magnum 500 2x4	B14A-A2			4x4 Auto	BTX14-BS	
170cc	2005-03	Skyhawk 170	BTX7A-BS		2003-99	Magnum 500 4x4	B14A-A2	2008		LT-A400F		
90cc	2005-02	Skyhawk 90	BTZ7S		2007-06	Outlaw 500	B14A-A2			KingQuad AS	BTX14-BS	
KAWASAKI					2007-06	Outlaw 500	BTX9-BS	2007-02		LT-F400 Eiger 2x4	BTX14-BS	
750cc	2011-05	KVF750 Brute			2002-01	Scrambler 500 2x4	B14A-A2	2007-02		LT-F400F Eiger		
		Force 4x4i	BTX14		2011-99	Scrambler 500 4x4	B14A-A2			4x4	BTX14-BS	
		KFX700	BTX14		2001	Worker 500	B14A-A2	300cc	2002-99	LT-F300F		
	2009-04	KFX450R	BTX7L-BS		1999	Worker 500	B14A-A2			KingQuad 4x4	B14A-A2	
		KFX400	BTX9-BS		2007	X2 500 EFI	B14A-A2	2002-99		LT-F300F		
	2006-03	KL F400 Bayou			2010-08	Outlaw 450 MXR	BTX9-BS			KingQuad 4x4		
		4x4	B16CL-B		1998-95	Magnum 425 2x4	B14A-A2			(Canada, Optional)	B50-N18A-A	
		4x4			1998-95	Magnum 425 4x4	B14A-A2	250cc	2009-04	LT-F250 Ozark	BTX9-BS	
	360cc	2009-03	KVF360 Prairie			1997-96	Magnum 425 6x6	B14A-A2			LT-F250 Ozark	BTX12-BS
		2x4	B14A-A2		2002-00	Xpedition 425	B14A-A2			LT-F250 Ozark	B14A-A2	
300cc	2011-03	KVF360 Prairie			1995-94	400L 2x4	B14A-A2			(Canada)	B50-N18A-A	
		4x4	B14A-A2		1994	400L 4x4	B14A-A2	2001-94		LT-F250		
	2003-01	KEF300 Lakota			1997-94	Big Boss 400L 6x6	B14A-A2			QuadRunner	B14A-A2	
		Sport	B14A-A2		2002-00	Scrambler 400 2x4	B14A-A2	2001-94		LT-F250		
250cc	2010-03	KLF250 Bayou	B10A-A2		2002-95	Scrambler 400 4x4	B14A-A2			QuadRunner	B50-N18A-A	
		KLF250 Bayou			1999-94	Sport 400L	B14A-A2	2001-99		LT-F250F		
	2005-03	(Can.)	B14-A2		2005-01	Sportsman 400	B14A-A2			QuadRunner 4x4	B14A-A2	
					1996-94	Sportsman 400		2001-99		LT-F250F		
220cc	2002-94	KLF220 Bayou	B10A-A2			4x4	B14A-A2			QuadRunner 4x4	B50-N18A-A	
	2002-94	KLF220 Bayou	B14A-A2		1997	Sportsman 400L	B14A-A2	160cc	2004-03	LT-F160		
					2003	Trail Blazer 400	B14A-A2			QuadRunner	B9A-A	

POWERSPORT - ATV - Personal Watercraft

ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
SUZUKI (Cont.)				YAMAHA (Cont.)				Personal Watercraft			
160cc	2001-94	LT-F160 QuadRunnerB9A-A		350cc	2005-96	YFM350F Wolverine 4x4B12C-A		HONDA			
80cc	2006-94	LT80 QuadSportBTX5L-BS		1995		YFM350F Wolverine 4x4B14-A2		1500cc	2009	AquaTrax F-15BTX20L-BS	
YAMAHA				2006-04		YFM350FA Bruin Auto 4x4BTX14AH-BS		2009-08		AquaTrax F-15XBTX20L-BS	
700cc	2013-07	YFM700 Grizzly FI 4x4 AutoBTX20L-BS		1998-94		YFM350FW Big Bear 4x4B14A-A2		2008		AquaTrax F-15X GPScapeBTX20L-BS	
	2013-07	YFM700 Grizzly FI 4x4 Auto EPSBTX20L-BS		1999		YFM350FW Big Bear 4x4 (YFM350FWBL)B14A-A2		2007-02		AquaTrax F-12BTX20L-BS	
	2013-09	YFM700 Grizzly FI 4x4 Auto EPS SEBTX20L-BS		1999		YFM350FW Big Bear 4x4 (YFM350FWXL)B12C-A		2007-02		AquaTrax F-12XBTX20L-BS	
	2013	YFM700 RaptorBT9B-4		1999-96		YFM350U Big Bear 2x4B14A-A2		2007-05		AquaTrax F-12X GPScapeBTX20L-BS	
	2013-11	YFM700R RaptorBT9B-4		2004-94		YFM350X WarriorB12C-A		2006-04		AquaTrax R-12BTX20L-BS	
	2009-06	YFM700R RaptorBT9B-4		2013-12		YFM300 Grizzly AutomaticBTX12-BS		2007-03		AquaTrax R-12XBTX20L-BS	
	2007	YFM700R Raptor GYTR EditionBT9B-4		300cc				KAWASAKI			
	2013-07	YFM700R Raptor SEBT9B-4		250cc	1998-94	YFB250 Timberwolf 2x4B12C-A		1500cc	2010-09	JT1500 STXBTX20L-BS	
660cc	2008-02	YFM660F Grizzly 4x4BTX20L-BS		2000-94		YFB250FW Timberwolf 4x4B12C-A		2012-04		JT1500 STX-15FBTX20L-BS	
	2005-01	YFM660R RaptorBTX14-BS		2004-99		YFM250 Bear TrackerB14A-A2		2008-07		JT1500 Ultra 250XBTX20L-BS	
600cc	2001-98	YFM600FW Grizzly 4x4BTX20L-BS		2009-07		YFM250 Big BearB14A-A2		2010-09		JT1500 Ultra 260LXBTX20L-BS	
550cc	2013-09	YFM550 Grizzly FI 4x4 AutoBTX20L-BS		2006-05		YFM250 BruinB14A-A2		2010-09		JT1500 Ultra 260XBTX20L-BS	
	2013-09	YFM550 Grizzly FI 4x4 Auto EPSBTX20L-BS		2013-08		YFM250 RaptorBTZ7S		2012-07		JT1500 Ultra LXBTX20L-BS	
	2013-11	YFM450 Grizzly 4x4 AutoBTX20L-BS		2008		YFM250 Raptor SEBTZ7S		2005-01		JH1200 Ultra 150BTX20L-BS	
	2008-07	YFM450 Grizzly 4x4 AutoBTX20L-BS		2011		YFM250 Raptor SE CustomBTZ7S		2007-03		JT1200 STX-12FBTX20L-BS	
	2013-11	YFM450 Grizzly 4x4 Auto EPSBTX20L-BS		2004-94		YFM125 RaptorBTZ7S		2003-96		JH1100 1100ZXiBTX20L-BS	
	2010-09	YFM450 Grizzly 4x4 Auto IRSBTX20L-BS		2013-04		YFM125 RaptorBTZ7S		2004-01		JH1100 Ultra 130BTX20L-BS	
	2006-03	YFM450F Kodiak Auto 4x4BTX20L-BS		2013-09		YFM90 RaptorBTX5L-BS		1997-95		JH900 900ZXiBTX20L-BS	
	2010-06	YFM450FX Wolverine 4x4BTX20L-BS		2001-94		YFM80 Badger12N7D-3B		2002-01		JT900 900STSBTX20L-BS	
	2013-12	YFZ450BT7B-4		2008-05		YFM80 Grizzly12N7D-3B		2005-97		JT900 900STXBTX20L-BS	
	2009-04	YFZ450BT7B-4		2008-02		YFM80W Raptor12N7D-3B		2011-03		JS800 800 SX-RBTX20L-BS	
	2007-06	YFZ450 Bill Balance EditionBT7B-4		50cc	2008-04	YFM50 Raptor12N7D-3B		1994		JH750 750SSB16CL-B	
	2008-07	YFZ450 SEBT7B-4						1997-95		JH750 750ZXiB16CL-B	
	2013-09	YFZ450RBTZ7S						1997-95		JH750 750ZXiBTX20L-BS	
	2013-09	YFZ450R SEBTZ7S						1994		JH750 XiRB16CL-B	
	2011-10	YFZ450XBTZ7S						1995-94		JS750 750SXB16CL-B	
	2010	YFZ450X Bill BallanceBTZ7S						2002-98		JS750 SXi ProBTX20L-BS	
	2011	YFZ450X SEBTZ7S						1998		JT750 750STXBTX20L-BS	
400cc	2004-00	YFM400 Big Bear 2x4BTX20L-BS						1995-94		JT750 STB16CL-B	
	2006-00	YFM400 Big Bear 4x4BTX20L-BS						1997-96		JT750 STSBTX20L-BS	
	2012-07	YFM400 Big Bear IRS 4x4BTX20L-BS						1995		JT750 STSB16CL-B	
	2008-07	YFM400 Grizzly 4x4 AutoBTX14AH-BS						1996-94		JF650 TSB16CL-B	
	2004-03	YFM400A KodiakBTX14AH-BS						1995-94		JL650 SCB16CL-B	
	2002-00	YFM400A KodiakBTX20L-BS						1995-94		JS550 550SXB16CL-B	
	2006-03	YFM400F Kodiak 4x4BTX14AH-BS						POLARIS			
	2002-96	YFM400F Kodiak 4x4BTX20L-BS						1200cc	2004-03	MSX 140B16CL-B	
	1995-94	YFM400F Kodiak 4x4B14-A2							2001-00	Pro 1200B16CL-B	
350cc	2006-04	YFM350 Bruin Auto 2x4BTX14AH-BS							2001-00	Virage TXB16CL-B	
	2013-07	YFM350 Grizzly 4x4 AutoBTX14AH-BS							2002-01	Virage TXiB16CL-B	
	2012-07	YFM350 Grizzly AutoBTX14AH-BS							2002-99	GenesisB16CL-B	
	2012-07	YFM350 Grizzly IRS 4x4 AutoBTX14AH-BS							2000-99	Genesis FFIB16CL-B	
	2013-04	YFM350 RaptorBTZ10S							2004-02	Genesis IB16CL-B	
	2009-06	YFM350 WolverineBTX14AH-BS							1997	SL 1050B16CL-B	
	1995-94	YFM350ER Moto- 4B14A-A2							1999-96	SLTXB16CL-B	
									1999	SLTX-BB16CL-B	
									2001-99	SLXB16CL-B	
									1998	SLXHB16CL-B	
									1997-96	SL 900B16CL-B	
									2004-02	OctaneB16CL-B	
									2004-00	VirageB16CL-B	
									2004-02	Virage IB16CL-B	
									2000-99	Pro 785B16CL-B	
									1998-97	SLX Pro 785B16CL-B	
									1997-96	SL 780B16CL-B	
									1997-96	SLT 780B16CL-B	
									1996-95	SLX 780B16CL-B	
									2004	MSX 110B16CL-B	
									2004	MSX 150B16CL-B	
									1995-94	SL 750B16CL-B	
									1995-94	SLT 750B16CL-B	
									2002	FreedomB16CL-B	
									1997-96	HurricaneB16CL-B	
									1997-96	SL 700B16CL-B	
									1997	SL 700 DeluxeB16CL-B	
									2001-98	SLHB16CL-B	
									1997-96	SLT 700B16CL-B	
									1999-98	SLTHB16CL-B	
									1995-94	SL 650B16CL-B	

POWERSPORT - Personal Watercraft

ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
POLARIS (Cont.)				YAMAHA (Cont.)				YAMAHA (Cont.)			
650cc	1995	SL 650 Std	B16CL-B	1100cc	2007	FX1100 WaveRunner VX	B16CL-B	700cc	1994	WRB700 WaveRunner Pro VXR	B16CL-B
SEA-DOO					2008-04	FX1100A WaveRunner FX Cruiser HO	B16CL-B		1998	WVT700 WaveVenture 700	B16CL-B
1500cc	2011	GTI Limited 155	B30CL-B		2006	FX1100B WaveRunner FX Cruiser HO 50th Ann.	B16CL-B		1996-95	WVT700 WaveVenture 700	B16CL-B
	2011-09	GTI SE 130	B30CL-B		1996-95	RA1100 WaveRaider 1100	B16CL-B		2001-99	XL700 WaveRunner XL700	B16CL-B
	2011-09	GTI SE 155	B30CL-B		2006-05	VX1100 WaveRunner 1100 Sport	B16CL-B		2004-02	XL700A WaveVenture XL700	B16CL-B
	2011-10	GTX 155	B30CL-B		2010-07	VX1100 WaveRunner VX	B16CL-B	650cc	1996-95	WRA650 WaveRunner III	B16CL-B
	2006-05	RXP	B30CL-B		2006-05	VX1100A WaveRunner 1100 Deluxe	B16CL-B		1995-94	WRB650 WaveRunner VXR	B16CL-B
	2011-10	RXP X 255	B30CL-B		2012-07	VX1100A WaveRunner VX Cruiser	B16CL-B				
	2009	RXT 215	B30CL-B		2012-07	VX1100B WaveRunner VX Deluxe	B16CL-B				
	2011	RXT 260	B30CL-B		2012-07	VX1100C WaveRunner VX Sport	B16CL-B				
	2009	RXT IS 255	B30CL-B		1997-96	WVT1100 WaveVenture 1100	B16CL-B				
	2011-10	RXT IS 260	B30CL-B		1000cc	2004-03	FX1000 FX140	B16CL-B			
	2009	RXT X 255	B30CL-B			2008-05	FX1000 WaveRunner FX	B16CL-B			
	2011-10	RXT X 260	B30CL-B			2004-02	FX1000A FX140 Cruiser	B16CL-B			
	2011-10	Wake 155	B30CL-B			2008-05	FX1000A WaveRunner FX Cruiser	B16CL-B			
	2011-10	Wake Pro 215	B30CL-B			800cc	2000-98	GP800 WaveRunner GP800	B16CL-B		
1300cc	2011-09	GTI 130	B30CL-B				2005-01	GP800A WaveRunner GP800R	B16CL-B		
WET JET							2001-00	XA800 WaveRunner XL800	B16CL-B		
700cc	1997-95	Kraze	B16-B				2004-02	XA800A WaveRunner XL800	B16CL-B		
	1997-95	ZX	B16-B				760cc	2000-97	GP760 WaveRunner GP760	B16CL-B	
300cc	1997-95	Duo 300	B16-B					1996	RA760 WaveRaider 760	B16CL-B	
200cc	1994	Duo 200	B16-B					1997-96	WB760 WaveBlaster 760	B16CL-B	
YAMAHA								1997	WVT760 WaveVenture 760	B16CL-B	
1800cc	2012-11	FX1800 WaveRunner FX Cruiser SHO	B16CL-B					1999-98	XL760 WaveRunner XL760	B16CL-B	
	2011-08	FX1800 WaveRunner FX Cruiser SHO	B16CL-B					700cc	1995-94	FX700 FX-1	B16CL-B
	2012-08	FX1800 WaveRunner FX SHO	B16CL-B						1997-94	RA700 WaveRaider	B16CL-B
	2012-09	FY1800 WaveRunner FX HO	B16CL-B						1995	RA700A WaveRaider Deluxe	B16CL-B
	2012-09	FY1800A WaveRunner FX Cruiser HO	B16CL-B						2012-94	SJ700 Super Jet	B16CL-B
	2012-09	GX1800 WaveRunner FZR	B16CL-B						1996-94	WB700 WaveBlaster	B16CL-B
	2012-10	GX1800A WaveRunner FZS	B16CL-B						1994	WRA700 WaveRunner 3	B16CL-B
	2012	RX1800 WaveRunner FX Cruiser SHO	B16CL-B						1997	WRA700 WaveRunner III 700	B16CL-B
	2012	VX 1800AK WaveRunner VXR	B16CL-B						1995	WRA700 WaveRunner III GP	B16CL-B
	2012	VX1800K WaveRunner VXS	B16CL-B								
	2011	WaveRunner VXR	B16CL-B								
	2011	WaveRunner VXS	B16CL-B								
1300cc	2008-03	GP1300 WaveRunner GP1300R	B16CL-B								
1200cc	2002-97	GP1200 WaveRunner GP1200	B16CL-B								
	2004-99	SV1200 WaveRunner SUV1200	B16CL-B								
	2000-99	XA1200 WaveRunner XL12 LTD	B16CL-B								
	2009	XA1200 WaveRunner XLT1200	B16CL-B								
	2005-01	XA1200A WaveRunner XLT1200	B16CL-B								
	1998	XL1200 WaveRunner XL1200	B16CL-B								
1100cc	2008	FX1100 WaveRunner FX HO	B16CL-B								
	2006-04	FX1100 WaveRunner FX HO	B16CL-B								

POWERSPORT - Snowmobile

ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
Snowmobile				ARCTIC CAT (Cont.)				ARCTIC CAT (Cont.)			
ARCTIC CAT				1056cc	2012	Bearcat Z1 XT GSBTX20H-BS		700cc	2005-04	Sabercat 700 EFIB50N-18L-LM	
1100cc	2008-07	Jaguar Z1 1100 EFIBTX20H-BS		2012	Bearcat Z1 XT LimitedBTX20H-BS			2006-04	Sabercat 700 EFI EXTB50N-18L-LM		
	2008	Jaguar Z1 1100 EFI Sno ProBTX20H-BS		1050cc	2012-10	TZ1BTX20H-BS		2006-04	Sabercat 700 EFI LXB50N-18L-LM		
	2007	Jaguar Z1 Early BuildBTX20H-BS		2012-10	TZ1 LXRBTX20H-BS			1996-94	Wildcat EFI12N7-4A		
	2012	ProClimb M 1100BTX20H-BS		2009	TZ1 ParkBTX20H-BS			1996-95	Wildcat Mountain Cat12N7-4A		
	2012	ProClimb M 1100 Sno ProBTX20H-BS		2010-08	TZ1 TouringBTX20H-BS			1994	Wildcat Mountain Cat EFI12N7-4A		
	2012	ProClimb M 1100 Sno Pro 50thBTX20H-BS		2010-08	TZ1 Touring LXRBTX20H-BS			1996-95	Wildcat Touring12N7-4A		
	2012	ProClimb M 1100 Sno Pro LimitedBTX20H-BS		2012-09	TZ1 Turbo LXRBTX20H-BS			2003-02	4-Stroke TouringB50N-18L-LM		
	2012	ProClimb M 1100 TurboBTX20H-BS		2010-09	TZ1 Turbo LXR LEBTX20H-BS			2003-02	4-Stroke TrailB50N-18L-LM		
	2012	ProClimb M 1100 Turbo HCRBTX20H-BS		1000cc	2008-07	F1000 EFI LXRBTX20H-BS		2008-06	Bearcat Widetrack TurboBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002-01	Mountain Cat 1000B18-A			2008-06	Bearcat Widetrack Turbo ArticulatingBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001-00	Pantera 1000B18-A			2008-06	Panther 660 TouringB50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2000-97	Thundercat MCB18-A			2007-06	Panther 660 TrailB50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2000	Thundercat THCB18-A			2008-04	T660 TouringB50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2005-04	King Cat 900B50N-18L-LM			2005	T660 TurboBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2006-05	King Cat 900 EFIB50N-18L-LM			2006-05	T660 Turbo STBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2005	King Cat 900 EFI Early BuildB50N-18L-LM			2005	T660 Turbo ST EFI Early BuildBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003	Mountain Cat 900 144"B50N-18L-LM			2007-04	T660 Turbo TouringBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2004-03	Mountain Cat 900 151"B50N-18L-LM			2007-06	T660 Turbo Touring LEBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2004	Mountain Cat 900 159"B50N-18L-LM			2007-06	T660 Turbo TrailBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003	Mountain Cat 900 1MB50N-18L-LM			2004	T660 Turbo TrailBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003	Mountain Cat 900 Early BuildB50N-18L-LM			2007-06	T660 Turbo TrailBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2004	Mountain Cat 900 EFI 151"B50N-18L-LM			2007-06	T660 Turbo TrailBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2004	Mountain Cat 900 EFI 159"B50N-18L-LM			2007-06	T660 Turbo TrailBTX24HL-BS		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2005-03	ZR 900B50N-18L-LM			600cc	1997	EXT 600B18-A	
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003	ZR 900 Early BuildB50N-18L-LM			1998	EXT 600 TourB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2006-04	ZR 900 EFIB50N-18L-LM			1998	EXT 600 TripleB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2006-04	ZR 900 EFI Sno ProB50N-18L-LM			2008-07	F6 EFI LXRB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2005-03	ZR 900 Sno ProB50N-18L-LM			2004	Mountain Cat 600 EFIB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002-97	ThundercatB18-A			2002-01	Mountain Cat 600 EFIB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2011-07	F8 EFI LXRBTX20H-BS			2003	Mountain Cat 600 EFI 136"B18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2009	F8 EFI LXR LEBTX20H-BS			2003	Mountain Cat 600 EFI 144"B18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2011	F8 EXTBTX20H-BS			2002-01	Mountain Cat 600 EFI LEB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002	Mountain Cat 800B50N-18L-LM			2005-04	Pantera 600 EFIB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001	Mountain Cat 800B18-A			2003-02	Pantera 600 EFI ESRB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002	Mountain Cat 800 EFIB50N-18L-LM			1998-97	Powder ExtremeB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003	Mountain Cat 800 EFI 144"B50N-18L-LM			1997	Powder Special 600B18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2004-03	Mountain Cat 800 EFI 151"B50N-18L-LM			1997	Powder Special 600 EFIB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2004	Mountain Cat 800 EFI 159"B50N-18L-LM			2004	Sabercat 600B50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002	Mountain Cat 800 EFI LE 144"B50N-18L-LM			2005-04	Sabercat 600 EFIB50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002	Mountain Cat 800 EFI LE 151"B50N-18L-LM			2005-04	Sabercat 600 EFI EXTB50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001	Mountain Cat 800 LEB18-A			2006-04	Sabercat 600 EFI LXB50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002	Mountain Cat 800 LE 144"B50N-18L-LM			2004	Sabercat 600 LXB50N-18L-LM		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002	Mountain Cat 800 LE 151"B50N-18L-LM			2001-99	Triple TouringB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		1999-98	Pantera 800B18-A			2003-02	ZL 600 EFIB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2004	Pantera 800 EFIB50N-18L-LM			2003-01	ZL 600 EFI ESRB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003-02	Pantera 800 EFI ESRB50N-18L-LM			2003-02	ZL 600 EFI SSB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003-02	ZL 800 EFI ESRB50N-18L-LM			2003-02	ZL 600 EFI SS ESRB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003-02	ZL 800 EFI SSB50N-18L-LM			2002-01	ZR 600B18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001	ZL 800 ESRB18-A			2002-01	ZR 600 EFIB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2002	ZR 800B50N-18L-LM			2001	ZR 600 EFI LEB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001	ZR 800B18-A			2002-97	ZRT 600B18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003-02	ZR 800 EFIB50N-18L-LM			2001	ZRT 600 LEB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2003	ZR 800 EFI Sno ProB50N-18L-LM			1996-95	EXT 580B18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001	ZR 800 LEB18-A			1994	EXT 580B14L-A2		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001-97	ZRT 800B18-A			1998	EXT 580 EFIB18-A		
	2012	ProClimb M 1100 Turbo Sno ProBTX20H-BS		2001	ZRT 800 LEB18-A			1997	EXT 580 EFI (Optional)B50N-18L-LM		
1056cc	2012-09	Bearcat Z1 XTBTX20H-BS									

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ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
ARCTIC CAT (Cont.)				ARCTIC CAT (Cont.)				POLARIS (Cont.)			
580cc	1998-96	EXT 580 EFI		440cc	1994	Cheetah 440	B14L-A2	750cc	2007	FST IQ	BTX20L-BS
		Deluxe	B50N-18L-LM		1999-98	Jag 440	B14-A2		2008-07	FST IQ Cruiser	BTX20L-BS
	1994	EXT 580			1999-98	Jag 440 Deluxe	B14-A2		2007	FST IQ LX	BTX20L-BS
		Mountain Cat	B14L-A2		1997-94	Jag Deluxe	B14-A2		2007-06	FST SwitchBack	BTX20L-BS
	1998	Pantera 580	B50N-18L-LM		1996	Jag Liquid	B14-A2		2006	FST Touring	BTX20L-BS
	2001-99	Pantera 580 EFI	B18-A		1994	Jag Z	B14-A2		2008	IQ Turbo LX	BTX20L-BS
	2000	ZL 580 EFI ESR	B18-A		2002-97	Panther 440	B14-A2		2009-08	Tubro SwitchBack	BTX20L-BS
	1996-95	ZR 580 EFI	12N7-4A		2001	Panther 440 ESR	B14-A2		2008	Turbo Dragon	BTX20L-BS
	1996	ZR 580 EFI ETT	12N7-4A		1996-94	Panther Deluxe	B14-A2		2011	Turbo IQ	BTX20L-BS
570cc	2012-11	Bearcat 570	B18-A		1996	Panther LC	B14-A2		2011	Turbo IQ LX	BTX20L-BS
	2008-04	Bearcat 570 Long			1994	Prowler	B18-A		2010	Turbo LX	BTX20L-BS
		Track	B50N-18L-LM		1995-94	Prowler 2-Up	B18-A	700cc	2004-01	700 Classic	
	2012-09	Bearcat 570 XT	B18-A		2002-98	Z 440	B14-A2			(Electric Start)	B14A-A2
	2012-08	F570	B18-A		2002-00	Z 440 ES	B14-A2		2004-03	700 Classic	
	2004-02	Mountain Cat 570	B50N-18L-LM		2003	Z 440 ESR	B14-A2			Touring (Electric	
	2007-04	Panther 570	B50N-18L-LM		2006-04	Z 440 LX	B14-A2			Start)	B14A-A2
	2003-02	Panther 570 ESR	B50N-18L-LM	370cc	2008-07	Panther 370	B14-A2		2004	700 Edge Touring	
	2002	Panther 570 R	B50N-18L-LM		2004	Panther 370	B14-A2			(Electric Start)	B14A-A2
	2012-08	T570	B18-A		2001	Panther 370	B14-A2		2004-03	700 PRO X	
	2005-04	Z 570	B50N-18L-LM		2006-05	Panther 370 R	B14-A2			(Electric Start)	B14A-A2
	2003-02	Z 570 ESR	B50N-18L-LM		2003	Panther 370 R	B14-A2		1997	700 SKS	B9A-A
	2007-04	Z 570 LX	B50N-18L-LM		2005-99	Z 370	B14-A2		2003-99	700 SKS (Electric	
	2002	Z 570 SS	B50N-18L-LM		2002-00	Z 370 ES	B14-A2			Start)	B14A-A2
550cc	2008-05	Bearcat Widetrack	BTX24HL-BS		2003	Z 370 ESR	B14-A2		1997	700 SKS (Electric	
	2004-03	Bearcat Widetrack	B50N-18L-LM		2007-04	Z 370 LX	B14-A2			Start)	B14A-A2
	2002-96	Bearcat Widetrack	B18-A	340cc	2000-95	Bearcat 340	B14-A2		2004	700 SwitchBack	
	1994	Cheetah 550	B14-A2		1994	Cheetah 340	B14-A2			(Electric Start)	B14A-A2
	1998-95	Cougar	B18-A		1997-94	Jag	B14-A2		1997	700 XC	B9A-A
	1994	Cougar	B14-A2		1998	Jag 340	B14-A2		2004-03	700 XC (Electric	
	1996-95	EXT EFI	12N7-4A		1999-98	Jag 340 Deluxe	B14-A2			Start)	B14A-A2
	1994	EXT EFI	B18-A		2000-98	Panther 340	B14-A2		1999-97	700 XC (Electric	
	1996	EXT EFI (Optional)	B50N-18L-LM		1997-94	Puma	B14-A2			Start)	B14A-A2
	1995	EXT EFI (Optional)	B18-A		1997-94	Puma 2-Up	B14-A2		2000	700 XC Deluxe	
	1996-95	EXT EFI Mountain			1997-94	Puma Deluxe	B14-A2			(Electric Start)	B14A-A2
		Cat	12N7-4A	POLARIS					2005-99	700 XC SP	
	1994	EXT EFI Mountain								(Electric Start)	B14A-A2
		Cat (ex. Wave)	B14L-A2	800cc	2004	800 Classic			1999-98	700 XCR (Electric	
	1996	EXT EFI Mountain				(Electric Start)	B14A-A2			Start)	B14A-A2
		Cat (Optional)	B50N-18L-LM		2004-03	800 Classic			1997	Ultra	B9A-A
	1995	EXT EFI Mountain				Touring (Electric	B14A-A2		1998-97	Ultra (Electric	
		Cat (Optional)	B18-A			Start)	B14A-A2			Start)	B14A-A2
	1994	EXT EFI Mountain			2001	800 LE (Electric			1996	Ultra SKS	B9A-A
		Cat (Wave)	B18-A			Start)	B14A-A2		1996	Ultra SKS	
	1996-95	EXT Powder			2003	800 PRO X				(Electric Start)	B14A-A2
		Special	B18-A			(Electric Start)	B14A-A2		1997-96	Ultra SP	B9A-A
	1997-95	Pantera	B50N-18L-LM		2004	800 PRO XR			1997-96	Ultra SP (Electric	
	1994	Pantera	B18-A			(Electric Start)	B14A-A2			Start)	B14A-A2
	2005-02	Pantera 550	B18-A		2003	800 SKS (Electric			1997	Ultra SPX	B9A-A
	2001-97	Panther 550	B18-A			Start)	B14A-A2		1997	Ultra SPX	
	2003-01	ZL 550	B18-A		2005-04	800 SwitchBack				(Electric Start)	B14A-A2
	2003-00	ZL 550 ESR	B18-A			(Electric Start)	B14A-A2		1997	Ultra SPX SE	B9A-A
500cc	1996	Cougar 2-Up	B18-A		2005-04	800 Touring			1997	Ultra SPX SE	
	1998	Cougar Deluxe	B18-A			(Electric Start)	B14A-A2			(Electric Start)	B14A-A2
	1998-95	Cougar Mountain			2004-03	800 XC (Electric			1997	Ultra Touring	B9A-A
		Cat	B18-A			Start)	B14A-A2		1998-97	Ultra Touring	
	1994	Cougar Mountain			2005-01	800 XC SP		550cc		(Electric Start)	B14A-A2
		Cat	B14-A2			(Electric Start)	B14A-A2		1997-94	Sport	B9A-A
	2011-07	F5 EFI LXR	B18-A		2003-99	800 XCR (Electric			2000-94	Sport (Electric	
	2012	F5 LXR	B18-A			Start)	B14A-A2			Start)	B14A-A2
	2002	Mountain Cat 500	B18-A		2002	Frontier (Electric			1997-95	Sport Touring	B9A-A
	2005-04	Sabercat 500	B50N-18L-LM			Start)	B14A-A2		2004-95	Sport Touring	
	2006	Sabercat 500 EFI	B50N-18L-LM		2004-03	Frontier Classic				(Electric Start)	B14A-A2
	2006	Sabercat 500 EFI				(Electric Start)	B14A-A2		2001	Sport Touring ES	
		LX	B50N-18L-LM		2005-03	Frontier Touring				(Electric Start)	B14A-A2
	2005-04	Sabercat 500 LX	B18-A			(Electric Start)	B14A-A2		1997-94	Super Sport	B9A-A
	2005-04	Sabercat 500 LX			1997-94	Storm	B9A-A		2005-94	Super Sport	
		(Optional)	B50N-18L-LM		1998-94	Storm (Electric				(Electric Start)	B14A-A2
	2009-08	T500	B18-A			Start)	B14A-A2		2003	Super Sport X	
	2002	ZL 500	B18-A		1997	Storm SE	B9A-A			(Electric Start)	B14A-A2
	2000	ZL 500	B18-A		1997	Storm SE (Electric			2010	Trail Touring	B14A-A2
	2002-01	ZR 500	B18-A			Start)	B14A-A2		1997-96	Trail Touring	B9A-A
	2001	ZR 500 EFI	B18-A		1996-94	Storm SKS	B9A-A		2005-02	Trail Touring	
	2001	ZR 500 EFI ESR	B18-A		1996-94	Storm SKS				(Electric Start)	B14A-A2
	2002	ZR 500 LE	B18-A			(Electric Start)	B14A-A2		2000-96	Trail Touring	
440cc	1998-95	Bearcat 440	B14-A2	750cc	2006	FS Classic	BTX20L-BS			(Electric Start)	B14A-A2
	2000-99	Bearcat 440 I	B14-A2		2009-07	FS IQ Touring	BTX20L-BS		2005	Trail Touring DLX	
	2000-99	Bearcat 440 II	B14-A2		2006	FS Touring	BTX20L-BS			(Electric Start)	B14A-A2
					2006	FST Classic	BTX20L-BS	500cc	1997-94	Classic	B9A-A

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POLARIS (Cont.)				SKI-DOO (Cont.)				SKI-DOO (Cont.)			
500cc	1998-94	Classic (Electric Start)	B14A-A2	800cc	2010	Renegade 800 X	BTX20L	600cc	2011	Summit Sport	BTX20L
	1997-96	Classic Touring	B9A-A		2010	Skandic V-800		599cc	1995	Formula 599	B50-N18L-A3
	1994	Classic Touring	B9A-A			SWT	BTX24HL	583cc	1997	Formula 583	B50-N18L-A3
	2000-96	Classic Touring (Electric Start)	B14A-A2		2010	Summit 800			1998	Formula Deluxe 583	B50-N18L-A3
	1994	Classic Touring (Electric Start)	B14A-A2		2010	Summit 800 Everest 146"	BTX20L		1998	Formula Z 583	B50-N18L-A3
	1997-94	Trail	B9A-A		2010	Summit 800 Everest 154"	BTX20L		1998-97	Grand Touring 583	B50-N18L-A3
	1999-94	Trail (Electric Start)	B14A-A2		2010	Summit 800 Everest 163"	BTX20L		1998-96	MX Z 583	B50-N18L-A3
	1995-94	Trail Deluxe	B9A-A		2010	Summit 800 Hill Climb	BTX20L	580cc	1998-94	Summit 583	B50-N18L-A3
	1995-94	Trail Deluxe (Electric Start)	B14A-A2		2010	Summit 800 X 146"	BTX20L	550cc	1996-95	Grand Touring 580	B50-N18L-A3
	1997-94	Wide Trak GT	B9A-A		2010	Summit 800 X 154"	BTX20L		2010	Renegade 550F Sport	BTX20L
	1997-94	Wide Trak GT (Electric Start)	B14A-A2		2010	Summit 800 X 163"	BTX20L	503cc	1994	Skandic II 503R	B50-N18L-A3
	1997-94	Wide Trak LX	B9A-A		2011	Summit Everest 800R Power TEK 146	BTX20L		1994	Skandic II 503R SLT	B50-N18L-A3
	2005-94	Wide Trak LX (Electric Start)	B14A-A2		2011	Summit Everest 800R Power TEK 154	BTX20L	500cc	1995-94	Alpine II	B50-N18L-A3
450cc	1994	Sport SKS	B9A-A		2011	Summit Everest 800R Power TEK 163	BTX20L		1998-97	Formula 500	B50-N18L-A3
	1994	Sport SKS (Electric Start)	B14A-A2		2011	Summit Everest 800R Power TEK 163	BTX20L		1998-97	Formula Deluxe 500	B50-N18L-A3
	1997-96	Tran Sport	B9A-A		2011	Summit Everest E-TEC 800R	BTX20L		1995-94	Formula MX	B50-N18L-A3
	1999-96	Tran Sport (Electric Start)	B14A-A2		2011	Summit SP	BTX20L		1995-94	Formula MX Z	B50-N18L-A3
	1997	XCF	B9A-A		2011	Summit X E-TEC 800R 146	BTX20L		1994	Formula MX ZX	B50-N18L-A3
	2000-97	XCF (Electric Start)	B14A-A2		2011	Summit X E-TEC 800R 154	BTX20L		1994	Grand Touring	B50-N18L-A3
	2001	XCF SP (Electric Start)	B14A-A2		2011	Summit X E-TEC 800R 154	BTX20L		1998-96	Grand Touring 500	B50-N18L-A3
	1999	XCF SP (Electric Start)	B14A-A2		2011	Summit X E-TEC 800R 163	BTX20L		1994	Grand Touring XTC	B50-N18L-A3
350cc	1997-94	Lite	B9A-A		2011	Summit X E-TEC 800R 163	BTX20L		1998	MX Z 500	B50-N18L-A3
	1998-94	Lite (Electric Start)	B14A-A2	700cc	1998	Formula III 700	B50-N18L-A3		1994	Safari L	B50-N18L-A3
	1997-94	Lite Deluxe	B9A-A		1998	Formula III 700 R	B50-N18L-A3		1994	Safari Rally E	B50-N18L-A3
	1998-94	Lite Deluxe (Electric Start)	B14A-A2		1998	Grand Touring 700	B50-N18L-A3		1998-95	Skandic 500	B50-N18L-A3
	1997-94	Lite GT	B9A-A		1998-96	Mach 1	B50-N18L-A3		1994	Skandic II	B50-N18L-A3
	1997-94	Lite GT (Electric Start)	B14A-A2		1994	Mach 1	B50-N18L-A3		1995	Skandic Ski Hill Special	B50-N18L-A3
	1998	Lite Touring (Electric Start)	B14A-A2		1998	Mach 1R	B50-N18L-A3		1998	Skandic WT LC	B50-N18L-A3
250cc	1995-94	Starlite	B9A-A		1998	Formula Z 670	B50-N18L-A3	470cc	1998-96	Summit 500	B50-N18L-A3
	1995-94	Starlite (Electric Start)	B14A-A2		1998-96	MX Z 670	B50-N18L-A3		1998-95	Touring SLE	B50-N18L-A3
	1994	Starlite GT	B9A-A		1998-95	Summit 670	B50-N18L-A3		1995	Grand Touring 470	B50-N18L-A3
	1994	Starlite GT (Electric Start)	B14A-A2		1998	Summit 670 X	B50-N18L-A3		1994	Summit 470	B50-N18L-A3
120cc	2005-04	120 Pro X (Electric Start)	B14A-A2		2010	Expedition 600	BTX20L	450cc	1998-95	Touring LE	B50-N18L-A3
	2003-01	120 XC SP (Electric Start)	B14A-A2		2010	Expedition 600 SE	BTX20L	440cc	1998-96	MX Z 440 Fan	B50-N18L-A3
	2000	120 XCR (Electric Start)	B14A-A2		1997-95	Formula III	B50-N18L-A3		1997	MX Z 440 LC	B50-N18L-A3
SKI-DOO					1998	Formula III 600	B50-N18L-A3		1998-97	MX Z 440 LC X	B50-N18L-A3
1500cc	2004	Elite	BTX30L		1998	Formula III 600 LT	B50-N18L-A3	400cc	1994	Safari Deluxe	B50-N18L-A3
1200cc	2010	Grand Touring 1200 LE	BTX20HL		1997-96	Formula III LT	B50-N18L-A3		1994	Skandic II R	B50-N18L-A3
	2010	Grand Touring 1200 SE	BTX20HL		1995	Formula Mach 1	B50-N18L-A3	380cc	1998-95	Skandic 380	B50-N18L-A3
1000cc	2006-05	Expedition TUV V-1000	BTX24HL		1995-94	Formula Mach Z	B50-N18L-A3	375cc	1998-95	Touring E	B50-N18L-A3
800cc	1998-96	Mach Z	B50-N18L-A3		1998-95	Formula S	B50-N18L-A3		1997-96	Touring E LT	B50-N18L-A3
	1998-96	Mach Z LT	B50-N18L-A3		1998	Formula S Electric	B50-N18L-A3	275cc	1994	Tundra II	B50-N18L-A3
	1998	Mach Z LT R	B50-N18L-A3		1998-95	Formula SL	B50-N18L-A3		1998-94	Tundra II LT	B50-N18L-A3
	1998	Mach Z LT SV Track	B50-N18L-A3		1996	Formula SLS	B50-N18L-A3	250cc	1996-94	Elan 250	B50-N18L-A3
	1998	Mach Z R	B50-N18L-A3		1996-95	Formula SS	B50-N18L-A3	YAMAHA			
	2010	MX Z 800 R	BTX20L		1994	Formula ST	B50-N18L-A3	1350cc	2008	FXRT FX Nitro	
		Adrenaline	BTX20L		1995	Formula STX	B50-N18L-A3			RTX Non-Reverse	BTX20L-BS
	2010	MX Z 800 R X	BTX20L		1996	Formula STX II	B50-N18L-A3	1050cc	2012	FX Nitro MTX 153	BTX20L-BS
	2010	MX Z 800 X-RS	BTX20L		1996	Formula STX LT	B50-N18L-A3		2012	FX Nitro MTX 162	BTX20L-BS
	2010	Renegade 800 Adrenaline	BTX20L		1997-94	Formula Z	B50-N18L-A3		2013	FX Nitro XTX 1.75	BTX20L-BS
	2010	Renegade 800 Backcountry	BTX20L		2010	Grand Touring 600 LE	BTX20L		2011	FX10 FX Nitro	BTX20L-BS
	2010	Renegade 800 Backcountry X	BTX20L		2010	GSX 600 Limited	BTX20L		2012	RS Venture GT	BTX20L-BS
					2010	Renegade 600 Adrenaline	BTX20L		2012-11	Apex SE	BTX14-BS
					2010	Renegade 600 Backcountry	BTX20L		2012-11	Apex XTX	BTX14-BS
					2010	Renegade 600 X	BTX20L		2010-08	FX10 FX Nitro	BTX20L-BS
					2010	Summit 600	BTX20L		2010-08	FX10MT FX Nitro MTX	BTX20L-BS
					2010	Summit 600 Everest 146"	BTX20L			FX10MTR FX Nitro MX	BTX20L-BS
					2010	Summit 600 Sport	BTX20L		2008	FX10MTR FX Nitro MX	BTX20L-BS
					2010	Summit 600 X 154"	BTX20L		2008	FX10MTRA FX Nitro RTX 40th Anniv	BTX20L-BS
									2011	FX10MTS FX Nitro MTX SE 153	BTX20L-BS
									2010	FX10MTS FX Nitro MTX SE 153"	BTX20L-BS
									2011	FX10MTS FX Nitro MTX SE 162	BTX20L-BS

POWERSPORT - Snowmobile

ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type	ENGINE	YEAR	MODEL	JIS Battery Type
YAMAHA (Cont.)				YAMAHA (Cont.)				YAMAHA (Cont.)			
1000cc	2010	FX10MTS FX Nyro MTX SE 162"	BTX20L-BS	900cc	2009-08 2007-05	RS90R RS Vector	BTX20L-BS	600cc	1998-97	VX600XTC VMAX 600 XTC	B16AL-A2
	2011-08	FX10RTR FX Nyro RTX	BTX20L-BS		2007-05 2007	RSG90 RS Rage	BTX20L-BS		1997	VX600XTC VMAX 600 XTC (Reverse)	B16AL-A2
	2008	FX10RTRA FX Nyro RTX 40th Anniv	BTX20L-BS		2012-05	RSG90GT RS Rage GT	BTX20L-BS		1998	VX600XTCD VMAX 600 XTC Deluxe	B16AL-A2
	2010-09	FX10RTRS FX Nyro RTX SE	BTX20L-BS		2010-07	RST90GT RS Vector GT	BTX20L-BS		1998	VX600XTR VMAX 600 XTR	B16AL-A2
	2011-09	FX10XT FX Nytro XTX	BTX20L-BS		2011	RST90GT RS Venture GT	BTX20L-BS		1996	VX600XTW VMAX 600 XT Proaction Plus	B16AL-A2
	2005	RX10 RX-1	BTX14-BS	700cc	2003-01	MM700 Mountain Max 700	B50-N18L-A	540cc	1998-94	VK540 II	B16AL-A2
	2004-03	RX10 RX-1	BTX20L-BS		2000	MM700 Mountain Max 700	B16AL-A2		2005-99	VK540 III	B16AL-A2
	2010-06	RX10GT Apex GT	BTX14-BS		1999-98	MM700 Mountain Max 700	B50-N18L-A	500cc	2009-07	PZ50 Phazer	BTX14-BS
	2008	RX10GTA Apex GT 40th Anniv	BTX14-BS		2001-00	SX700/R	B50-N18L-A		2001-99	PZ500 Phazer 500 2001 PZ500DX Phazer Deluxe	B16AL-A2
	2010-08	RX10LT Apex LTX	BTX14-BS		2000	SX700S	B50-N18L-A		2001-00	PZ500ML Phazer Mountain Lite	B16AL-A2
	2010-08	RX10LTGT Apex LTX GT	BTX14-BS		2004-02	SXV700 SX Viper	B50-N18L-A		2007	PZ50FX Phazer FX	BTX14-BS
	2008	RX10LTGTA Apex LTX GT 40th Anniv	BTX14-BS		2004-02	SXV700ER SX Viper ER	B50-N18L-A3		2011-07	PZ50GT Phazer GT	BTX14-BS
	2007-06	RX10M Apex Mountain	BTX14-BS		2006-03	SXV70MH SX Viper Mountain	B50-N18L-A		2008-07	PZ50MT Phazer Mountain Lite	BTX14-BS
	2005	RX10M RX-1 Mountain	BTX14-BS		2004-98	VT700 Venture 700	B50-N18L-A		2011-09	PZ50MT Phazer MTX	BTX14-BS
	2004-03	RX10M RX-1 Mountain	BTX20L-BS		2001-99	VX700 VMAX 700	B50-N18L-A		2011-08	PZ50RTX Phazer RTX	BTX14-BS
	2007	RX10MS Apex Mountain SE	BTX14-BS		2001	VX700DX VMAX 700 Deluxe	B50-N18L-A		2012-07	PZ50VT Venture Lite	BTX14-BS
	2005	RX10MS RX-1 Mountain LE	BTX14-BS		2000-99	VX700DX VMAX 700 Deluxe	B50-N18L-A3		2001-00	SX500/R	B16AL-A2
	2004-03	RX10MS RX-1 Mountain LE	BTX20L-BS		2002	VX700ER VMAX 700 ER	B50-N18L-A3		2001-97	VT500 Venture 500	B16AL-A2
	2010-08	RX10MT Apex MTX	BTX14-BS		1999-98	VX700SX VMAX 700 SX	B50-N18L-A		2001-99	VT500XL Venture 500 XL	B16AL-A2
	2008	RX10MTA Apex MTX SE 40th Anniv	BTX14-BS		1998	VX700SXS VMAX 700 SXS	B50-N18L-A		2001-94	VX500 VMAX 500	B16AL-A2
	2011-08	RX10R Apex	BTX14-BS		1998	VX700XT VMAX 700 XT	B50-N18L-A		2001-00	VX500DX VMAX 500 Deluxe	B16AL-A2
	2007-06	RX10R Apex ER	BTX14-BS		1998	VX700XTC VMAX 700 XTC	B50-N18L-A3		1996-94	VX500DX VMAX 500 DX	B16AL-A2
	2005-03	RX10R RX-1 ER	BTX20L-BS		1998	VX700XTCD VMAX 700 XTC Deluxe	B50-N18L-A3		1996-94	VX500E VAMX 500 LE	B16AL-A2
	2005-03	RX10RS RX-1 ER LE	BTX20L-BS		1998	VX700XTCP VMAX 700 XTCP	B50-N18L-A		1999	VX500ER	B16AL-A2
	2009	RX10RT Apex RTX	BTX14-BS		1998	VX700XTCP VMAX 700 XTCP	B50-N18L-A		1994	VX500ST VMAX 500 ST	B16AL-A2
	2007-06	RX10RT Apex RTX	BTX14-BS	600cc	2002-01	MM600 Mountain Max 600	B50-N18L-A		1999	VX500SX VMAX 500 SX	B16AL-A2
	2008-07	RX10RTR Apex RTX ER	BTX14-BS		2000-97	MM600 Mountain Max 600	B16AL-A2		1998-97	VX500XT VMAX 500 XT	B16AL-A2
	2004-03	RX10S RX-1 LE	BTX20L-BS		2003-00	SX600/R	B50-N18L-A		1998-97	VX500XTC VMAX 500 XTC	B16AL-A2
	2007-06	RXW10 Attack	BTX14-BS		2006-04	SXV60 SX Venom	B50-N18L-A		1998	VX500XTCD VMAX 500 XTC Deluxe	B16AL-A2
	2005-04	RXW10 RX Warrior	BTX20L-BS		2006-04	SXV60ER SX Venom ER	B50-N18L-A		1998	VX500XTR VMAX 500 XTR	B16AL-A2
	2007	RXW10GT Attack GT	BTX14-BS		2006-99	VT600 Venture 600	B50-N18L-A		1998	VX500XTW VMX 500 XT Proaction Plus	B16AL-A2
	2005-04	RXW10S RX Warrior LE	BTX20L-BS		1998-97	VT600 Venture 600	B16AL-A2	480cc	1998-97	PZ480 Phazer SS	B14L-A2
	2011-06	VK10 Viking Professional	BTX20L-BS		1999	VX600 VMAX 600	B16AL-A2		1996-94	PZ480E Phazer II LE	B14L-A2
900cc	2006-05	RS90 RS Vector	BTX20L-BS		1997-94	VX600 VMAX 600	B16AL-A2		1998-97	PZ480E Phazer SS Electric	B14L-A2
	2011-06	RS90GT Vector GT	BTX20L-BS		2001-00	VX600DX VMAX 600 Deluxe	B50-N18L-A3		1995-94	PZ480ST Phazer II ST	B14L-A2
	2008	RS90GTA RS Vector 40th Anniv	BTX20L-BS		1996-94	VX600DX VMAX 600 DX	B16AL-A2		1999-96	PZ480ST Phazer Mountain Lite	B14L-A2
	2009-08	RS90LT RS Vector LTX	BTX20L-BS		1996-94	VX600E VMAX 600 LE	B16AL-A2		1997-94	VT480 Venture XL	B14L-A2
	2009	RS90LTGT RS Vector LT GT	BTX20L-BS		2003-02	VX600ER VMAX 600 ER	B50-N18L-A3		1998	VT480TR Venture TR	B14L-A2
	2011-08	RS90LTGT RS Vector LTX GT	BTX20L-BS		1996	VX600ST VMAX 600 Mountain Max	B16AL-A2		1995-94	ET410TR Enticer II LT	B14L-A2
	2007-05	RS90M RS Vector Mountain	BTX20L-BS		1995-94	VX600ST VMAX 600 ST	B16AL-A2	410cc	2000-94	CS340E Ovation LE	B14L-A2
	2007-06	RS90MS RS Vector Mountain SE	BTX20L-BS		1999-98	VX600SX VMAX 600 SX	B16AL-A2	340cc			
	2007-06	RS90N Nytro	BTX20L-BS		1998	VX600SXS VMAX 600 SXS	B16AL-A2				
	2007-06	RS90NR Nytro ER	BTX20L-BS		1998-97	VX600XT VMAX 600 XT	B16AL-A2				
	2012	RS90R RS Vector	BTX20L-BS								

2013 Part Application Footnotes

Footnote ID	Description
2	Two batteries may be required
3	Three batteries may be required
4	Four batteries may be required
5	Five batteries may be required
6	Best-fit estimate, see note on page 2. May need to be modified. Check clearance before connecting cables
7	Check polarity before connecting cables
8	In the absence of a cold cranking rating, the amp hour rating is shown
9	Manufacturer's recommended replacement battery shown, may vary from OE battery
10	Modification of the holddown may be necessary
11	OE battery has flush vents
12	OE battery has type F terminals
14	Polarity reversed, check before installing
15	Polarity varies in production, some vehicles require a Group 26R, check before installing
16	Requires individual vent caps for proper hood clearance, do not fit batteries with pod type vent caps
19	See manufacturer's service information for retrofit
20	Some models require Group 91, check OE battery
21	Some vehicles may use a Group 35, check polarity before installing
22	Special 12-volt: 9 5/8" x 6 7/8" x 7 9/16", check polarity before installing
23	Special 12-volt: 10" x 6 1/16" x 8 3/4". assembly no. 25. Check polarity before installing
24	Special 12-volt: 14 15/16" x 6 3/4" x 7 3/8"
27	Special 12-volt: 9 7/8" x 6 21/32" x 3 11/16", Assembly no. 11
28	Special 12-volt: 9 9/16" x 6 13/16" x 6 11/16", Assembly no. 26
29	Special 12-volt: 9 9/16" x 6 13/16" x 6 13/16", Assembly no. 24. Check polarity before installing
30	Special 12-volt: 9" x 7 1/4" x 7 1/26", Assembly no. 15
31	Requires special deep cycle battery
32	Special maintenance-free cycling battery
34	Vibration resistance battery
35	Without handle bracket
36	Identical to 72H shown in manufacturer's literature
37	Check hood clearance
39	Remote vented
40	Battery is encased within an "Active Cooling Box" with an air snorkel to the outside of the engine compartment
42	Same dimensions as Group 27 but uses type X terminals
43	OE battery has non-standard terminal location. May require cable modifications
44	w/o HBL but with ETR, Travel Computer Cluster or Audible Message Center
45	Non-BCI Group Size
46	Dual Terminal Battery
47	OE Battery is AGM (Valve Regulated Lead Battery)
48	Trailer Tow Package, Engine Heater or Canada
49	Requires special steel tray
50	Uses starting or deep cycle type battery
51	Gel Electrolyte
52	DIN/EN size
53	A battery spacer kit is required on some models
54	Battery is vented to outside of vehicle
55	Battery may require vent hose
56	Amp-hour rating from O.E. manufacturer is converted to approximate CCA rating (Ah x 10 = approximate CCA)
57	O.E. manufacturer used various size batteries in production. Carefully size to fit.
58	Check polarity before installing, may vary in production
59	Must use factory activated battery only
60	With sensor
61	With terminal adapter
62	Deep cycle marine group 27
63	Requires center line terminal
64	May require terminal adapter
65	May require water sensor
66	Best performance estimate
67	Vehicle computer system must be reset, contact your service specialist
68	Vehicle service release must be reset, contact your service specialist
69	AGM Valve Regulated Lead Acid (VRLA) is required

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