MODEL 60
SERIAL NO. 1825 & UP

MODEL 72
SERIAL NO. 8801 & UP

INSTRUCTIONS & PARTS LIST

603012-Manual #

mott®

Hammer Knife®

mowers

SAFE • VERSATILE • DEPENDABLE

for the

AIRPORT • CAMP • CEMETERY • ESTATE • FARM • GOLF COURSE

HIGHWAY • HOME • PARK • PLAYGROUND • SCHOOL • TOWN • ZOO

Printed in U.S.A.

MOTT CORPORATION 500 SHAWMUT AVENUE
LA GRANGE, ILLINOIS 60525 - 312/354-7220

Form 1330
Revised March 1977

OWNER'S RESPONSIBILITIES:

1. Know the controls, and how to stop quickly - READ THE OWNER'S MANUAL.

2. Do not allow anyone to operate the tractor and mower without proper instructions.

3. Clear work area of objects which might be picked up and thrown.

4. Disengage power to mower, and shift into neutral before attempting to start engine.

5. Disengage power to mower, and stop engine before leaving operator position.

6. Do not attempt to clean discharge, remove obstacles or otherwise clean, adjust belts or repair mower before stopping tractor engine. Never place hands or feet in or near the rotating knives or belts when engine is running.

7. Disengage power to mower when transporting or not in use.

8. Take additional precautions when leaving tractor and mower unattended, such as lowering mower, setting parking brake, stopping engine and removing key.

9. Do not start suddenly, especially when going up a slope. It is suggested, depending on the amount of slope, that slopes be mowed up and down rather than across the face.

10. Reduce travel speed for slopes and sharp turns to reduce the possibility of tipping or loss of control. Never operate on a hill or make sharp turns with the mower in transport position.

11. Stay alert for holes in terrain and other hidden hazards.

12. Never allow anyone near vehicle while in operation, and watch out for traffic when crossing or near roadways. Do not carry passengers.

13. Handle fuel with care -- it is highly flammable.
    A. Use approved fuel container.
    B. Never remove cap or add fuel to a running or hot engine. Never fill fuel tank indoors. Wipe up spilled fuel.
    C. Open doors if engine is run in garage -- exhaust fumes are dangerous. Do not run engine indoors.
    D. Never smoke while refueling engine.

14. Keep tractor and mower in good operating condition and keep safety devices in place.

15. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.

16. Never store tractor with fuel in tank inside a building where fumes may reach an open flame or spark, and allow engine to cool before storing in any enclosure.

17. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.

18. Tractor and mower should be stopped and inspected for damage after striking a foreign object, and damage should be repaired before restarting and operating the equipment.

19. Do not change engine governor settings or overspeed engine.

EACH STANDARD ROTATION MOWER IS SHIPPED AS 2 BUNDLES AND 3 CARTONS.
EACH REVERSE ROTATION MOWER IS SHIPPED AS 3 BUNDLES AND 3 CARTONS.

1. One bundle contains the housing, roller and cuttershaft assembly.
2. One bundle contains the gear box, extension shaft, housing and bearing assembly.
3. One carton contains the belt guard, bearing plate, and spring arm.
4. One carton contains the pulleys, "V" belt, idler arm, flat idler pulley, spring, spring anchor, parts bag, frame arm extensions, gear box mounting bracket, upper struts, front struts, tube half of slip joint, shaft half of slip joint, lower guard bracket, front guard bracket, upper guard bracket, P.T.O. shield bracket, and P.T.O. shield.
5. One carton contains the knives as ordered.
6. For reverse rotation, 1 bundle contains the front deflector shield assembly.

ASSEMBLY:
For standard rotation mowers (bottom knives travel towards rear of the mower), follow Plates #1 through #7.

For reverse rotation mowers (bottom knives travel towards front of the mower), follow Plates #1, #2, and #8 through #12.

Each plate shows some additional parts assembled. Perform the assembly in the order shown by the circled numbers, i.e., ① ② ③ etc., slightly compressing lock washers as you go, and tighten all bolts and nuts only after all those shown on each plate are in place.

INSTALLATION:
Before attaching the mower to the tractor, it will be necessary to provide vertical float in each of the tractor drawbars, independently of each other, in order for the mower to be able to tilt sidewise as well as move vertically completely independent of the tractor movement.

Some tractors provide this float by means of an optional slot in the lower end of each lift link, others by lift links which can be made telescopic by changing the position of pins in the links. Failure to provide "float" may result in failure of the cutter housing and of the bearings in the roller, and voiding of the mower Warranty.

Should your tractor not have the "built-in" float option, you may require one or two of #700497, Flexible Lift Chain Assembly. All centered mowers must have "float" on each lift link. All offset mowers must have "float" on the lift link on the same side of the tractor as is the long side of the mower, and the other link should be the adjustable stiff link furnished with the tractor.

After the mower is attached to the tractor 3-point hitch, but before the universal slip joint is installed, and with the mower on the ground, the length of the top link of the hitch must be adjusted so as to make the mower gear box input shaft parallel to the tractor P.T.O. shaft. This relationship provides optimum operation of the universal joints in the drive line. Shafts that are not parallel will result in roughness and vibration due to the inherent characteristic of a universal joint that results in an error in the evenness of rotation of the output end of the universal jointed shaft. The top link should be adjusted every time the height of cut is changed.

UNIVERSAL SLIP JOINT:
Separate the slip joint halves, install the tube half on the tractor P.T.O., and the shaft half on the mower gear box input shaft. While holding the two halves side by side, raise and lower the mower to determine that there will be no interference between the halves when in the shortest position, and that there is at least 5" of lap when in the longest position. It may be necessary to position the tractor and mower on opposite sides of a ridge to obtain the shortest position. If interference occurs, it will be necessary to shorten the shaft half and its shield equally by enough to eliminate the interference. If the minimum 5" lap cannot be obtained, it may be necessary to order a longer shaft half from the factory. Finally, re-join the halves and re-install between the tractor and the mower.

ADJUSTING THE HEIGHT OF CUT:
Adjustment is made by removing the rear bolts from the roller brackets and moving the roller to the desired position and replacing the bolts. Much effort can be avoided, when making the adjustment in the field, by using the tractor lift to adjust the height of the cutter unit while the roller remains on the ground. Lawns will probably be cut with the roller in the lowest or next lowest cut position. When cutting in rough or trashy areas it is suggested that the knives will last longer if the roller is adjusted to the highest or next to highest position. Use of the caster wheels (optional equipment) is recommended for extremely rough or trashy terrain. When using caster wheels, the height of cut adjustment is made by bolting the caster sockets in the appropriate set of holes in the brackets. The roller then should be adjusted all the way up so that it is above the ground and only comes in contact with the ground to minimize scalping.

LUBRICATION:
Every 8 hours use a pressure grease gun to lubricate the cuttershaft bearings, universal slip joint center crosses, roller bearings, outboard bearing, idler pulley pivot, splined coupling (inside the extension shaft housing, next to gear box), and if so equipped, caster wheel sockets. Recommended greases are Atlantic Richfield Arco Litholene multi-purpose, Standard Oil Co. Amolith #2, Shell Alvania #2, Texaco Multifak #2, and Mobil Oil Corp. Mobilux #2. All mowers are equipped with lubricaps which snap over the grease fittings. Their purpose is to exclude dirt.

(Even when a grease fitting is wiped before greasing there can be a small amount of dirt remaining in the fitting hole. This dirt, which gets pushed into the bearing with the new grease, will shorten bearing life.) After removing a lubricap, wipe any dirt off the fitting so as to not contaminate the nozzle of the grease gun. Be sure the lubricap is clean inside and then replace immediately after greasing. Wipe off all surplus grease. In extremely dusty conditions it is desirable to lubricate more often than every 8 hours. The idler pulley is equipped with a sealed ball bearing and requires no further lubrication. The shielded universal slip joint should be slipped apart weekly and the shaft and the inside of the tube end greased with one of the above greases. Check the caster wheel bearings, if so equipped, at the start of each mowing season and repack if necessary with one of the above greases. The gear box is shipped with the correct amount of S.A.E. No. 90 extreme pressure lubricant. Maintain the oil level at the lower of the two 1/8" pipe plugs.

OPERATION:
KEEP THE P.T.O. SPEED UP! -
The Models 60 and 72 MOTT mowers are designed to be operated at the speed of rotation developed when using the tractor power take-off speed of 540 r.p.m. If operated at a lower speed, troubles can develop throughout the drive line. The universal slip joint can be overloaded and actually fail, as can the final drive belt. Horsepower has two main ingredients: torque, or turning effort, and speed (r.p.m.). If the speed is reduced, the cutting ability reduces, (and winding may occur), and the torque increases. Tractors are built to be operated at full P.T.O. speeds. If ground conditions require slower ground speed, shift down to a lower gear - but keep the P.T.O. speed UP.

Do not try to start the tractor in the cut - it's like trying to start driving a car in high gear going up a steep hill. Start the tractor in the clear, allowing the cuttershaft to get up to full speed before cutting. If the cutter slows down, it might possibly wind instead of cut. Friction from the wound up grass against the cutter housing end plate may cause the cuttershaft bearings to overheat and be damaged. In such tough conditions where not enough power is available to keep the cuttershaft up to speed, a narrower cut may be taken or the mower may be raised several inches. Both actions will reduce the power required. If the mower starts making a racket perhaps wire is wound up in the knives or an end knife is bent and hitting the housing side sheet. Use a pair of wire cutters to help remove the wire. Use a wrench, pliers, or MOTT #700413 Knife Straightener tools to re-shape bent knives. Replace broken or lost knives immediately. A pair of knives must be between every pair of ears in order to avoid excessive vibration. To do a fine job of lawn mowing, of course, the knives should be sharp. Dull knives take more power than sharp knives. Therefore, the mower with sharp knives will operate more satisfactorily in tougher conditions than will a mower with dull knives.

VIBRATION WARNING:
Warranty on MOTT Hammer Knife Mowers does not apply to failures resulting from VIBRATION or ABUSE. Very little vibration will be noticed if the mower is operating properly. At the first indication of unusual vibration, the mower should be stopped and not operated again until the trouble is corrected. VIBRATION, if allowed to continue unchecked, can destroy the entire mower in a very short time.

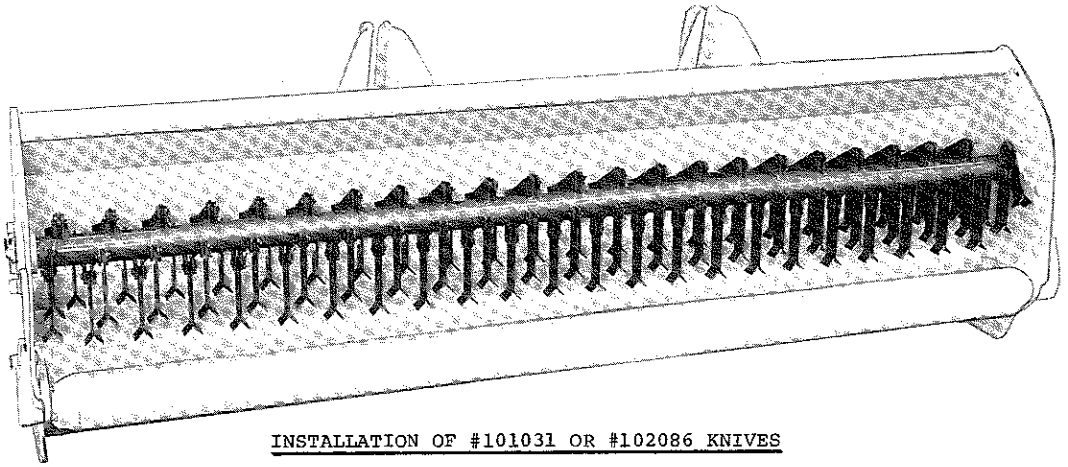
PERFORMANCE:
The lawn mowing performance of the mower can be improved by making one or both of the alterations shown below. However, these alterations are recommended only when the mower is to be used exclusively on clean, well kept lawn areas where high growths and trash will not be encountered. They are:

(a) The cuttershaft speed may be increased by substituting a #102501, 8-1/2" O.D. pulley for the standard drive pulley, and a #102554, 7-1/4" O.D. pulley for the standard cuttershaft pulley. The same belt is used for both standard pulleys and speed-up pulleys.

(b) The mower may be assembled for reverse rotation, in which case the outboard bearing plate #701460 and either the optional Front Deflector Shield or the Front Shield of the Leaf Mulcher MUST be used.

OPTIONAL EQUIPMENT, NOT ILLUSTRATED UNLESS OTHERWISE NOTED:

MODEL 60	MODEL 72		
700195	700196	REAR TRASH DEFLECTOR PACKAGE (SHOWN ON PLATE 2)	
700732	700732	PNEUMATIC, FACTORY INSTALLED	180° SWIVELING CASTER WHEELS. (WHEELS ARE CLOSE BEHIND THE MOWER FOR BETTER HEIGHT CONTROL. THEY ARE NOT FULL SWIVELING.)
700733	700733	LAMINATED, FACTORY INSTALLED	
700734	700734	PNEUMATIC, FIELD INSTALLED	
700735	700735	LAMINATED, FIELD INSTALLED	
701062	701062	PNEUMATIC, FACTORY INSTALLED	360° FULL SWIVEL CASTER WHEELS. (WHEELS ARE FARTHER BEHIND THE MOWER SO THAT THEY CAN SWIVEL A FULL CIRCLE.
701063	701063	LAMINATED, FACTORY INSTALLED	
701064	701064	PNEUMATIC, FIELD INSTALLED	
701065	701065	LAMINATED, FIELD INSTALLED	
102605	102606	1/4" RUBBER COVERING, FACTORY BONDED TO ROLLER	
700716	700716	HYBRID HITCH FOR TOWING 2 MODEL HS, 4-FOOT, SELF-POWERED MOWERS (NOT INCLUDED)	
700409	700409	KNIFE GRINDER (USE ON KNIVES UP TO 1-1/4" WIDE)	
700413	700413	KNIFE STRAIGHTENER (SLOTTED BAR SET)	
700515	700516	RENOVATING KNIFE PACKAGE (THATCH REMOVAL AND THINNING)	
700824	700826	RING MOUNTED KNIFE PACKAGE (1-1/4" WIDE X 3" LONG)	
700505	700506	C5 KNIVES (3/4" WIDE X 5" LONG)	
700037	700038	LEAF MULCHER	
700725	700725	CUTTERSHAFT SPEED INCREASER PACKAGE	
700385	700386	FRONT DEFLECTOR SHIELD ASSEMBLY	
700497	700497	LIFT CHAIN ASSEMBLY (2 REQUIRED)	



INSTALLATION OF #101031 OR #102086 KNIVES

TIP THE MOWER BACK, IF POSSIBLE, FOR EASIER ASSEMBLY. IT IS VERY IMPORTANT THAT AS YOU FACE THE FRONT OF THE CUTTER UNIT, THE STANDARD ROTATION MOWERS HAVE THE PIN HEADS ON THE LEFT SIDE OF THE EARS, AND THE REVERSE ROTATION MOWERS HAVE THE PIN HEADS ON THE RIGHT SIDE OF THE EARS. THIS WILL LOCATE THE COTTER PINS SO THAT THEY WILL NOT BE DAMAGED BY KNIVES FLEXING BACKWARDS ON IMPACT WITH OBSTRUCTIONS.

WITH ONE HAND HOLD TWO KNIVES BACK TO BACK SO THE TIPS ARE APART AND THE HOLES ARE IN LINE, INSERT BETWEEN A PAIR OF EARS ON THE SHAFT, WITH THE OTHER HAND INSERT A HEADED PIN, AND REPEAT FOR ALL THE EARS IN ONE ROW. THEN TAKE A FEW OF THE SPECIAL MOTT COTTER PINS IN ONE HAND, INSERT ONE IN A PIN HOLE WITH THE COTTER PIN HEAD EDGEWISE TO THE EAR, HOOK THE HOLE END OF THE SPECIAL TOOL (OR A KNIFE) OVER THE EXTENDED PRONG, BEND OUT ABOUT 45°, AND REPEAT FOR ALL THE PINS IN THAT ROW. REPEAT BOTH OPERATIONS ON THE OTHER 3 ROWS OF EARS.

THE SPRING STEEL KNIVES ARE TOUGH AND WILL BEND QUITE FAR BEFORE THEY BREAK, AND CAN BE STRAIGHTENED SEVERAL TIMES. THEY CAN BE SHARPENED BY FILING OR GRINDING. IF BY GRINDING, KEEP COOL TO MAINTAIN HARDNESS AND AVOID EARLY DULLING. WHEN SHARPENING, REMOVE METAL MOSTLY AT THE END OF THE TIP AND NOT MUCH NEXT TO THE SHANK. THIS WILL MAKE THE CUTTING PORTION TAPERED RATHER THAN LONG AND WEAK AFTER SEVERAL SHARPENINGS. IF THE MOTT #700409 ELECTRIC GRINDER IS USED, THE KNIVES CAN BE SHARPENED WITHOUT REMOVING FROM THE MACHINE. SHARP KNIVES REQUIRE LESS POWER THAN DULL KNIVES. SHARP KNIVES DO A BETTER JOB THAN DULL KNIVES. REPLACE BROKEN OR MISSING KNIVES PROMPTLY! KEEP YOUR MOTT HAMMER KNIFE MOWER RUNNING SMOOTHLY.

PLATE 1

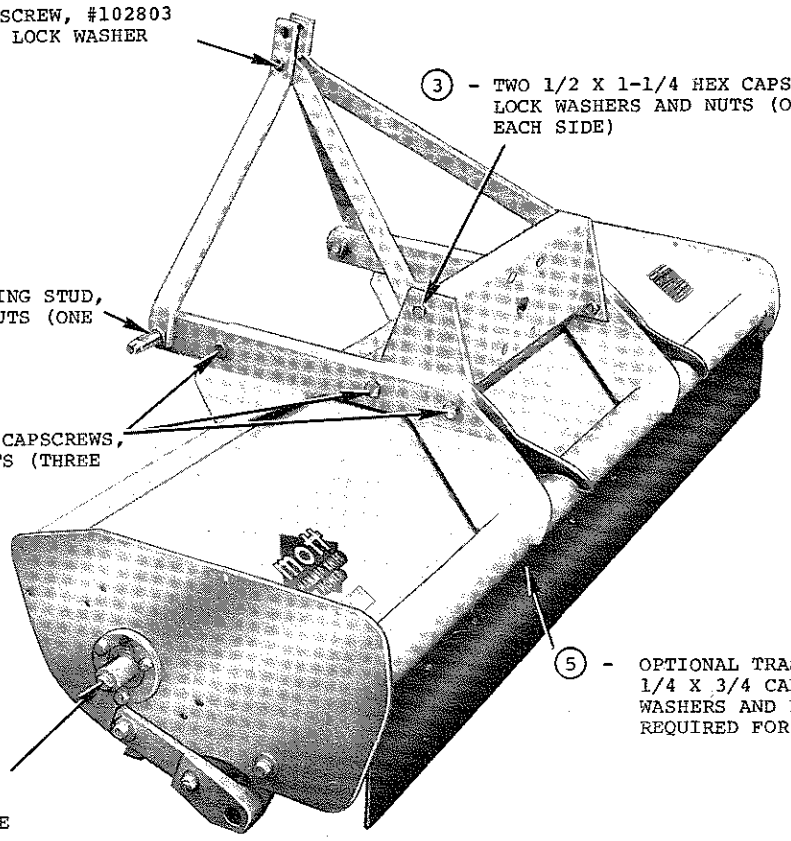
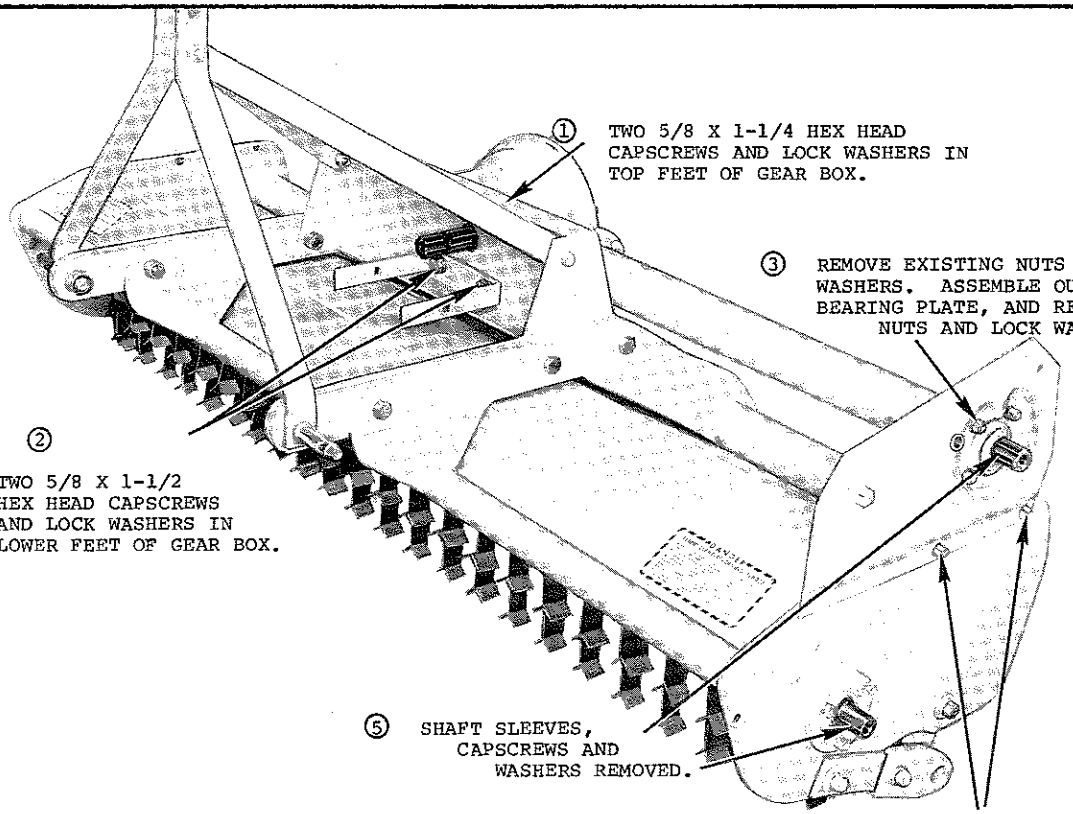


PLATE 2



④ SHOULD THE HOLES IN THE PLATE AND HOUSING NOT BE IN LINE FORE AND AFT, USE THE THIN SHIMS UNDER THE CORRECT VERTICAL PAIR OF FEET OF THE GEAR BOX TO MOVE THE BEARING PLATE IN THE RIGHT DIRECTION TO ACCOMPLISH LINE-UP OF THE HOLES. VERTICAL ALIGNMENT IS PROVIDED FOR IN THE CLEARANCE IN THE GEAR BOX MOUNTING FRAME HOLES. SECURE WITH TWO 3/8 X 3/4 CAPSCREWS, LOCK WASHERS AND NUTS.

PLATE 3

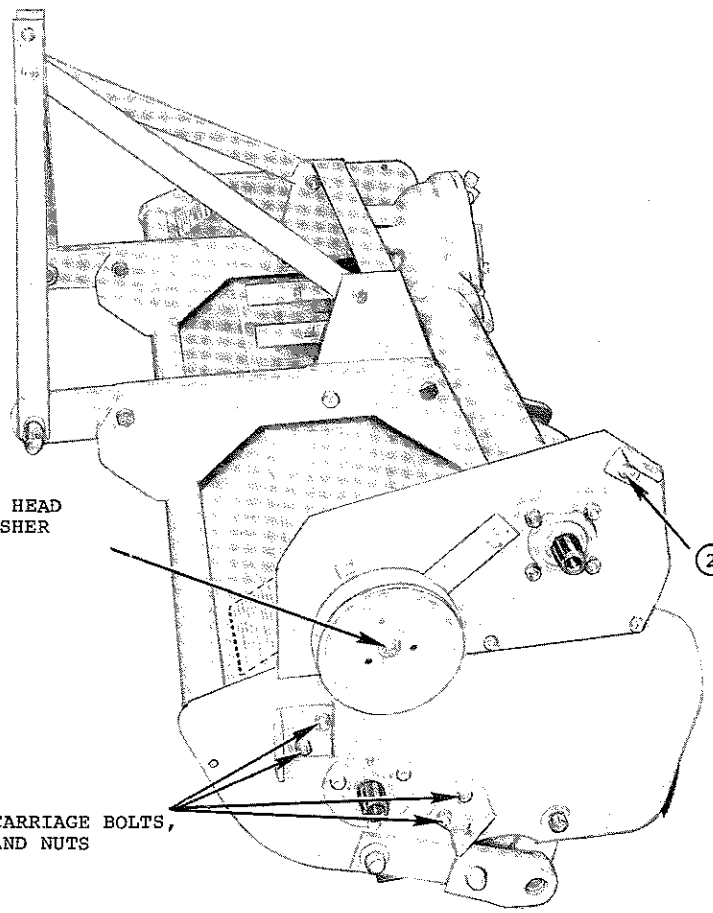


PLATE 4

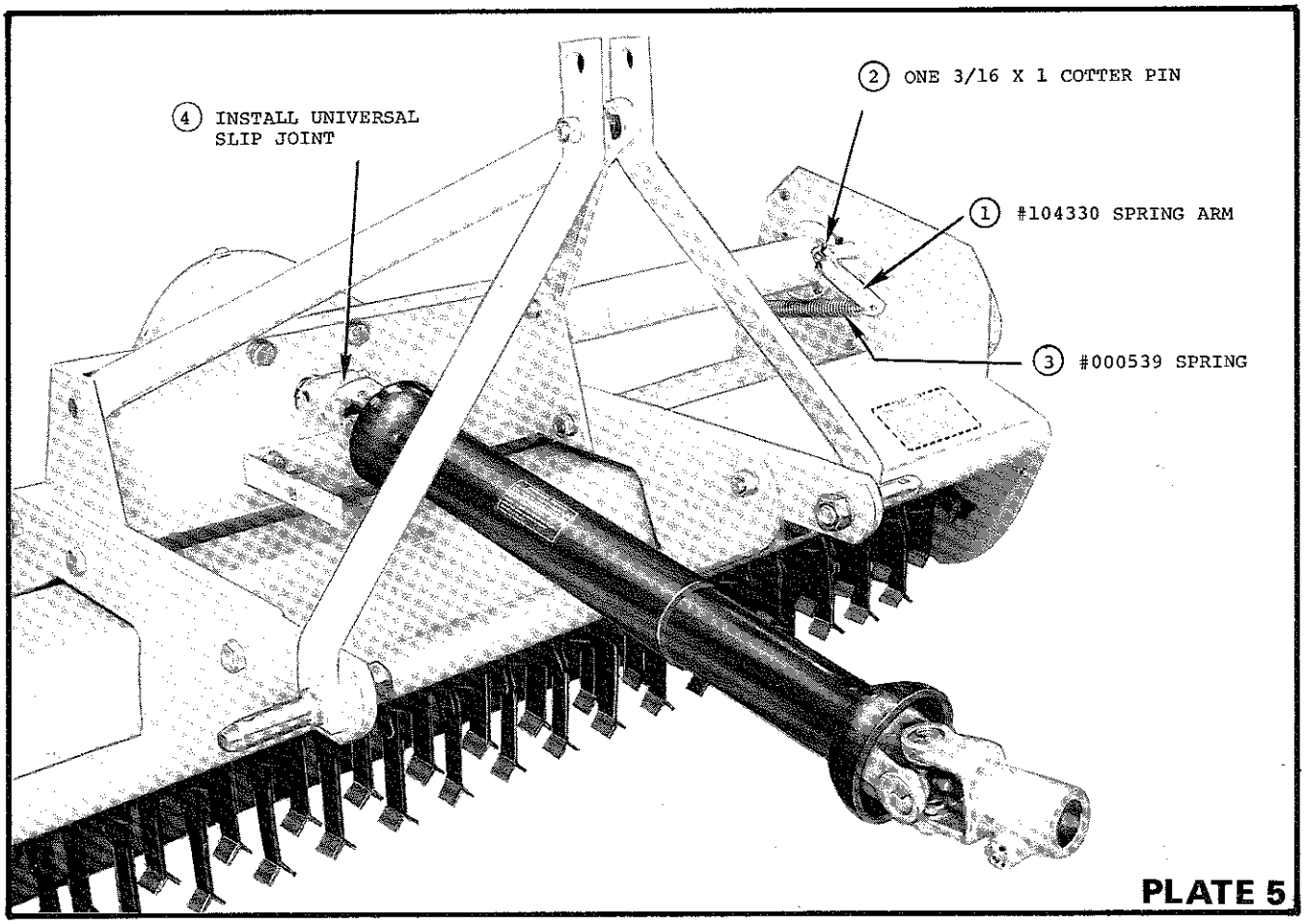


PLATE 5

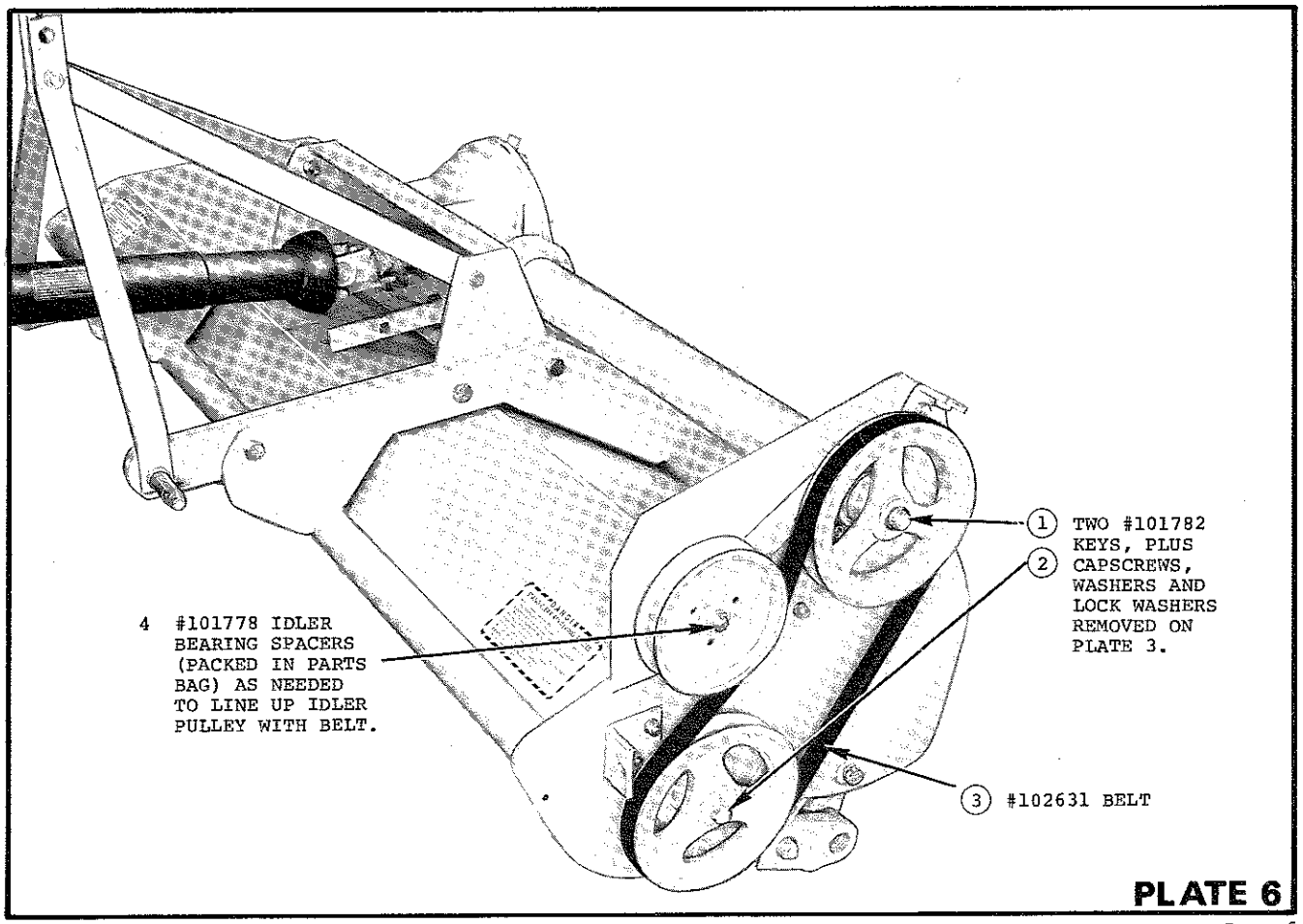


PLATE 6

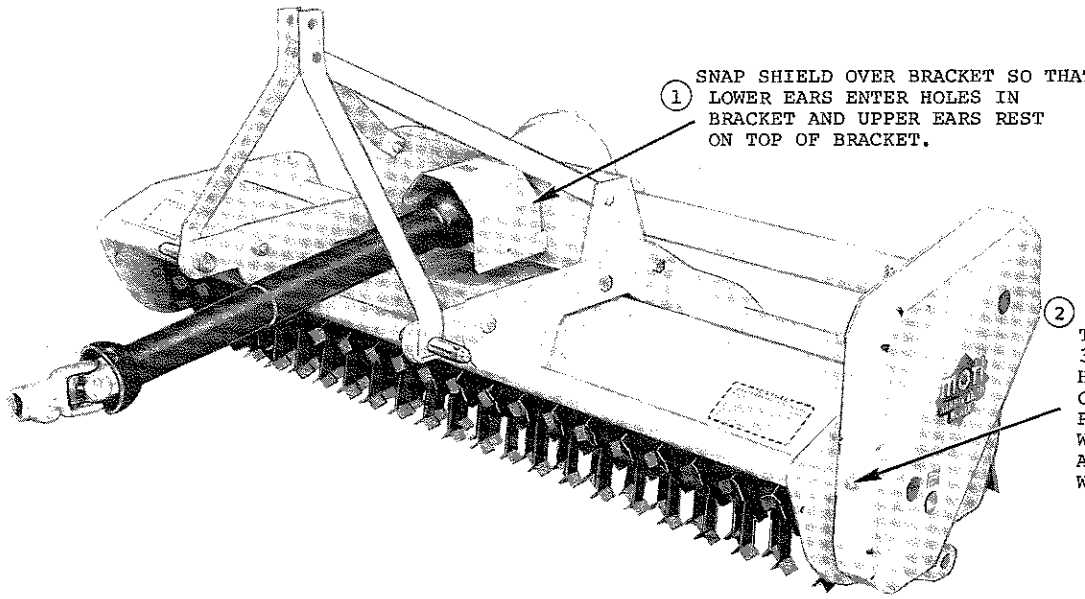
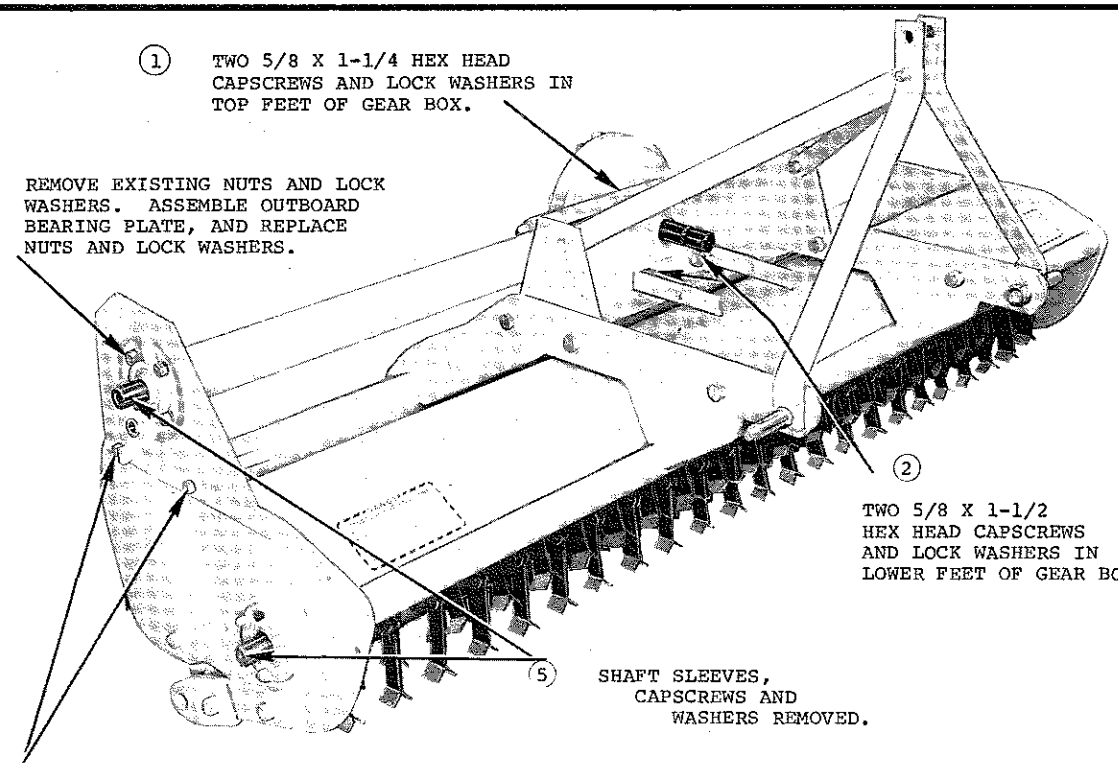


PLATE 7



4 SHOULD THE HOLES IN THE PLATE AND HOUSING NOT BE IN LINE FORE AND AFT, USE THE THIN SHIMS UNDER THE CORRECT VERTICAL PAIR OF FEET OF THE GEAR BOX TO MOVE THE BEARING PLATE IN THE RIGHT DIRECTION TO ACCOMPLISH LINE-UP OF THE HOLES. VERTICAL ALIGNMENT IS PROVIDED FOR IN THE CLEARANCE IN THE GEAR BOX MOUNTING FRAME HOLES. SECURE WITH TWO 3/8 X 3/4 CAPSCREWS, LOCK WASHERS AND NUTS.

PLATE 8

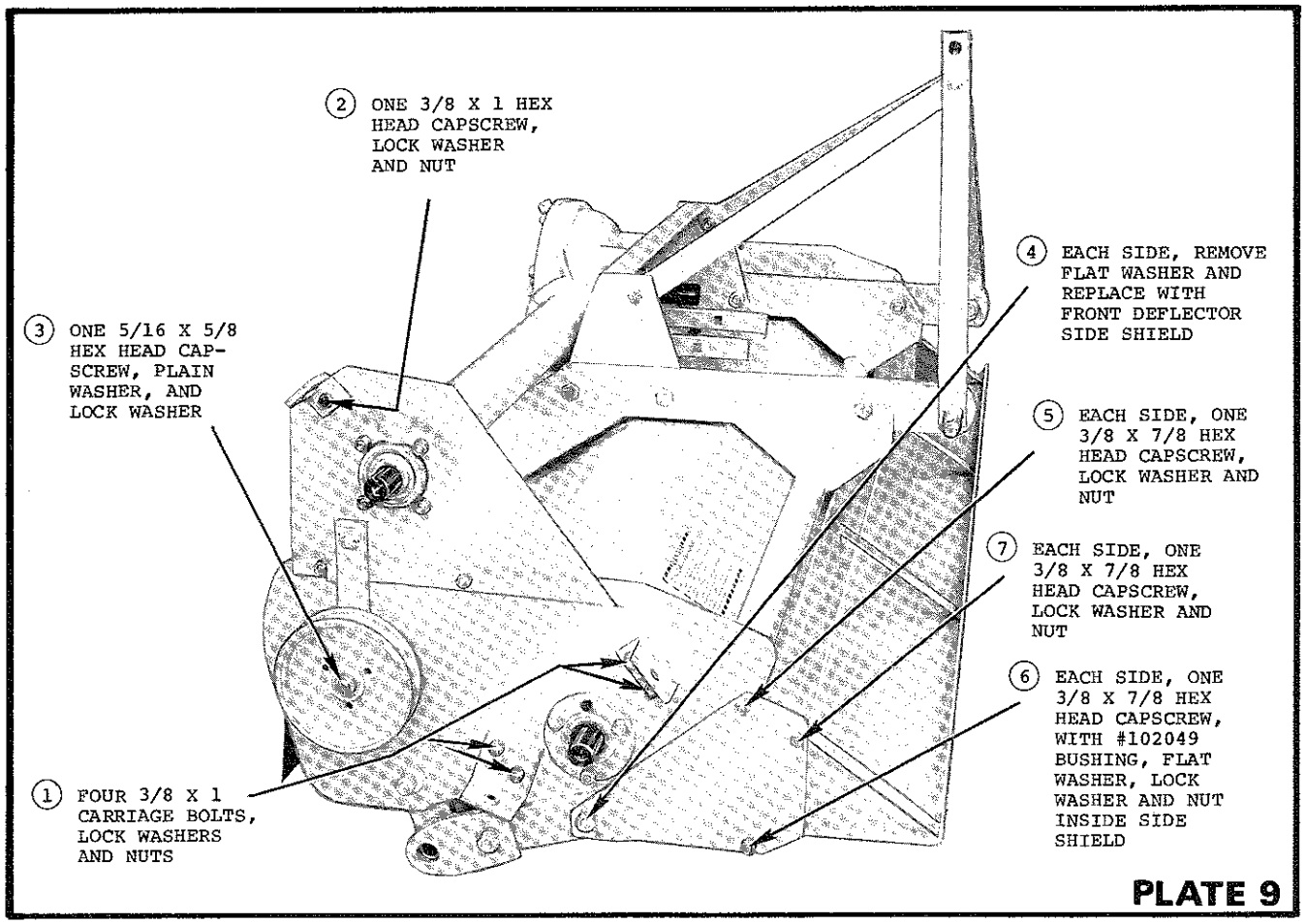


PLATE 9

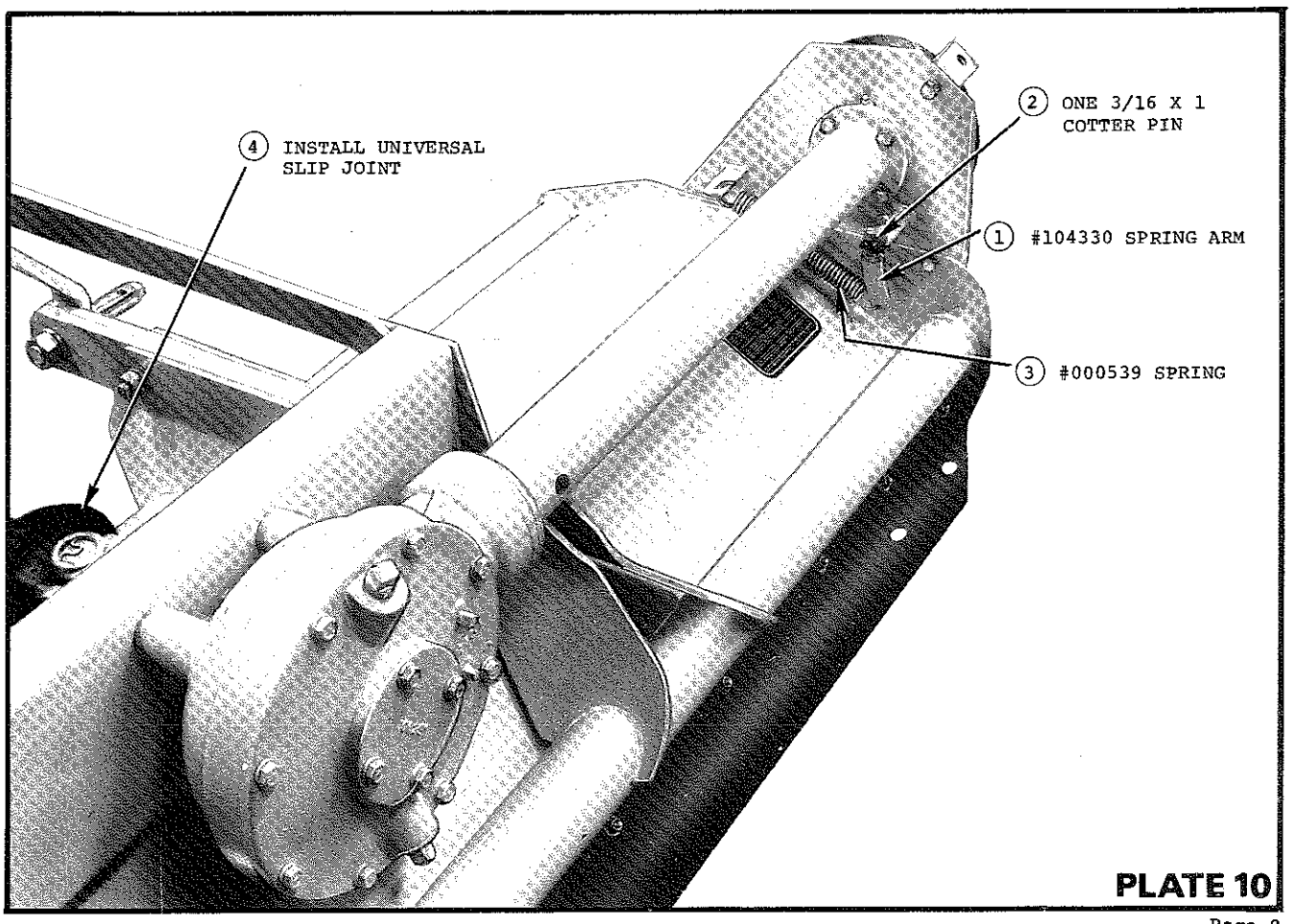


PLATE 10

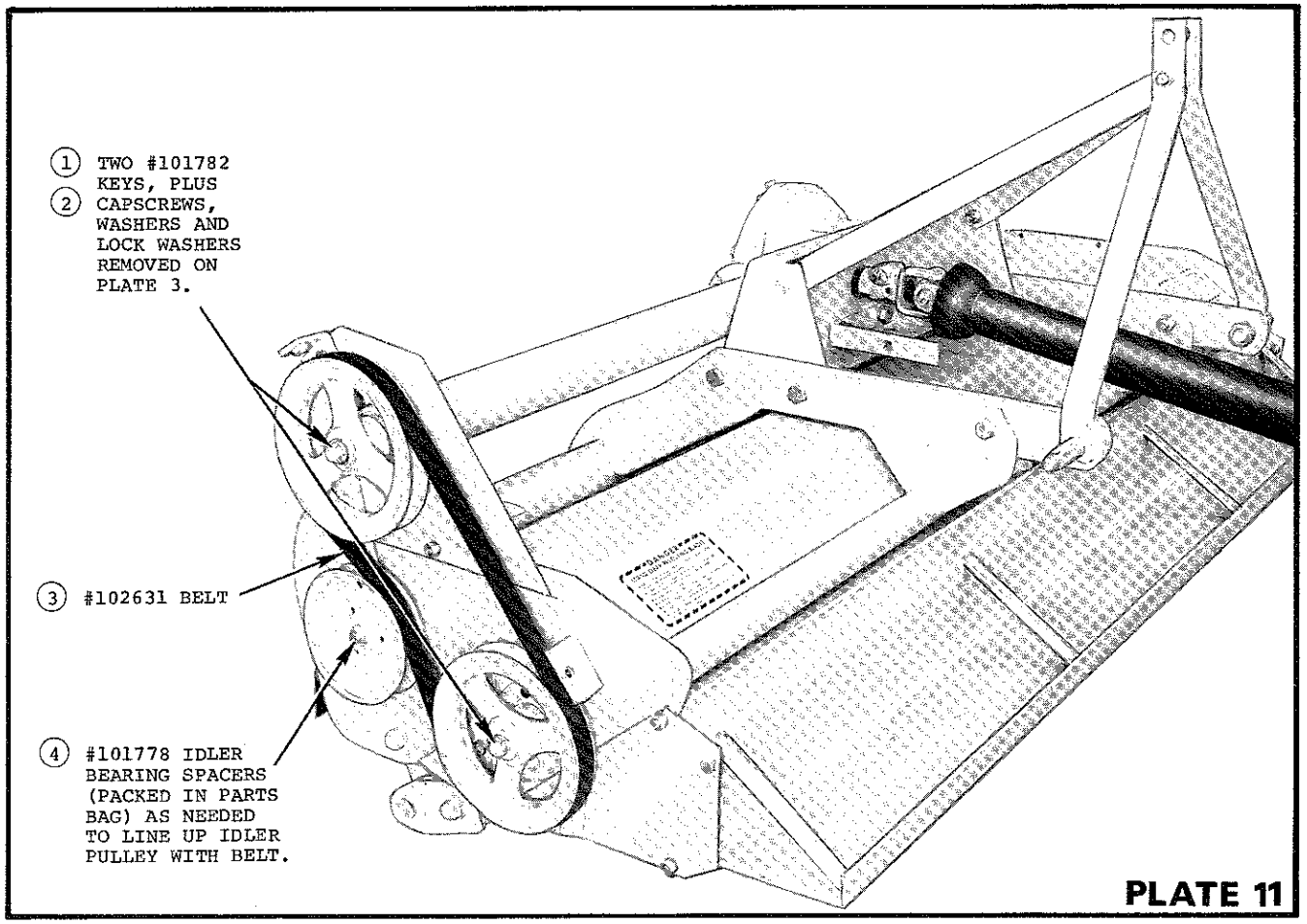


PLATE 11

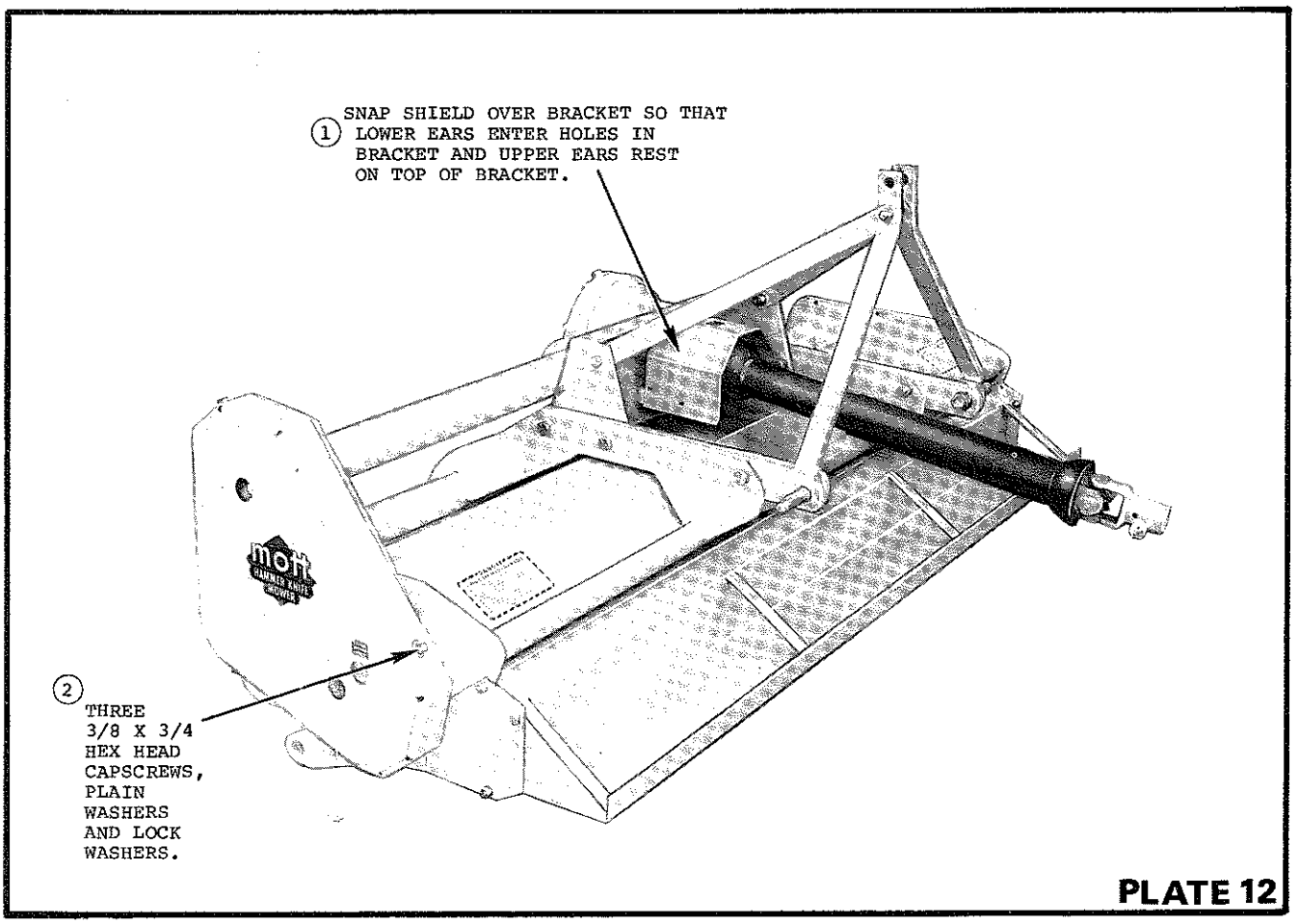
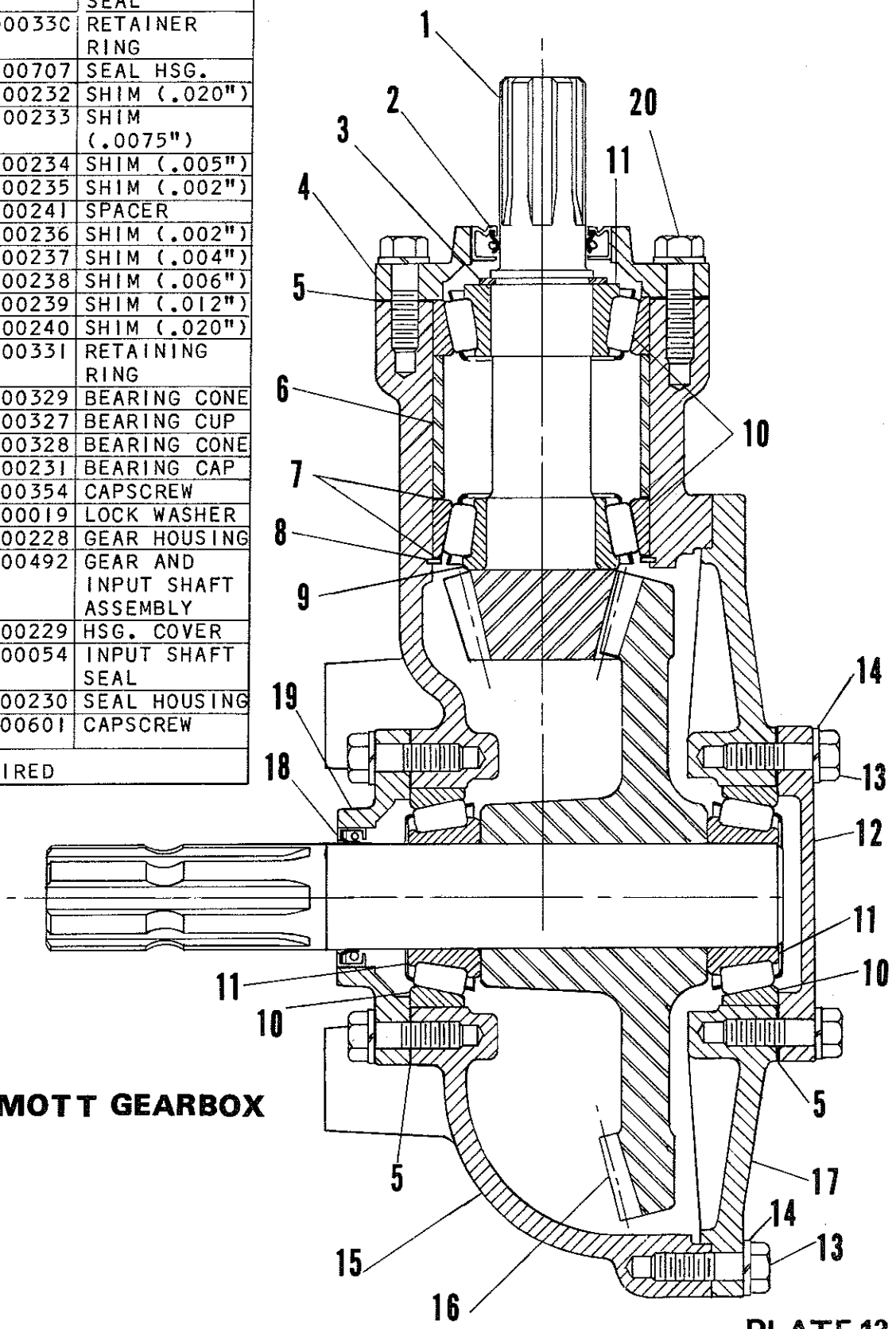


PLATE 12

REF NO	NO REQ	PART NO	DESCRIPTION
1	1	100225	PINION SHAFT
2	1	100055	OUTPUT SHAFT SEAL
3	1	00033C	RETAINER RING
4	1	100707	SEAL HSG.
5	*	100232	SHIM (.020")
5	*	100233	SHIM (.0075")
5	*	100234	SHIM (.005")
5	*	100235	SHIM (.002")
6	2	100241	SPACER
7	*	100236	SHIM (.002")
7	*	100237	SHIM (.004")
7	*	100238	SHIM (.006")
7	*	100239	SHIM (.012")
7	*	100240	SHIM (.020")
8	1	000331	RETAINING RING
9	1	000329	BEARING CONE
10	4	000327	BEARING CUP
11	3	000328	BEARING CONE
12	1	100231	BEARING CAP
13	16	000354	CAPSCREW
14	20	000019	LOCK WASHER
15	1	100228	GEAR HOUSING
16	1	700492	GEAR AND INPUT SHAFT ASSEMBLY
17	1	100229	HSG. COVER
18	1	100054	INPUT SHAFT SEAL
19	1	100230	SEAL HOUSING
20	4	000601	CAPSCREW

* AS REQUIRED



700493 MOTT GEARBOX

PLATE 13

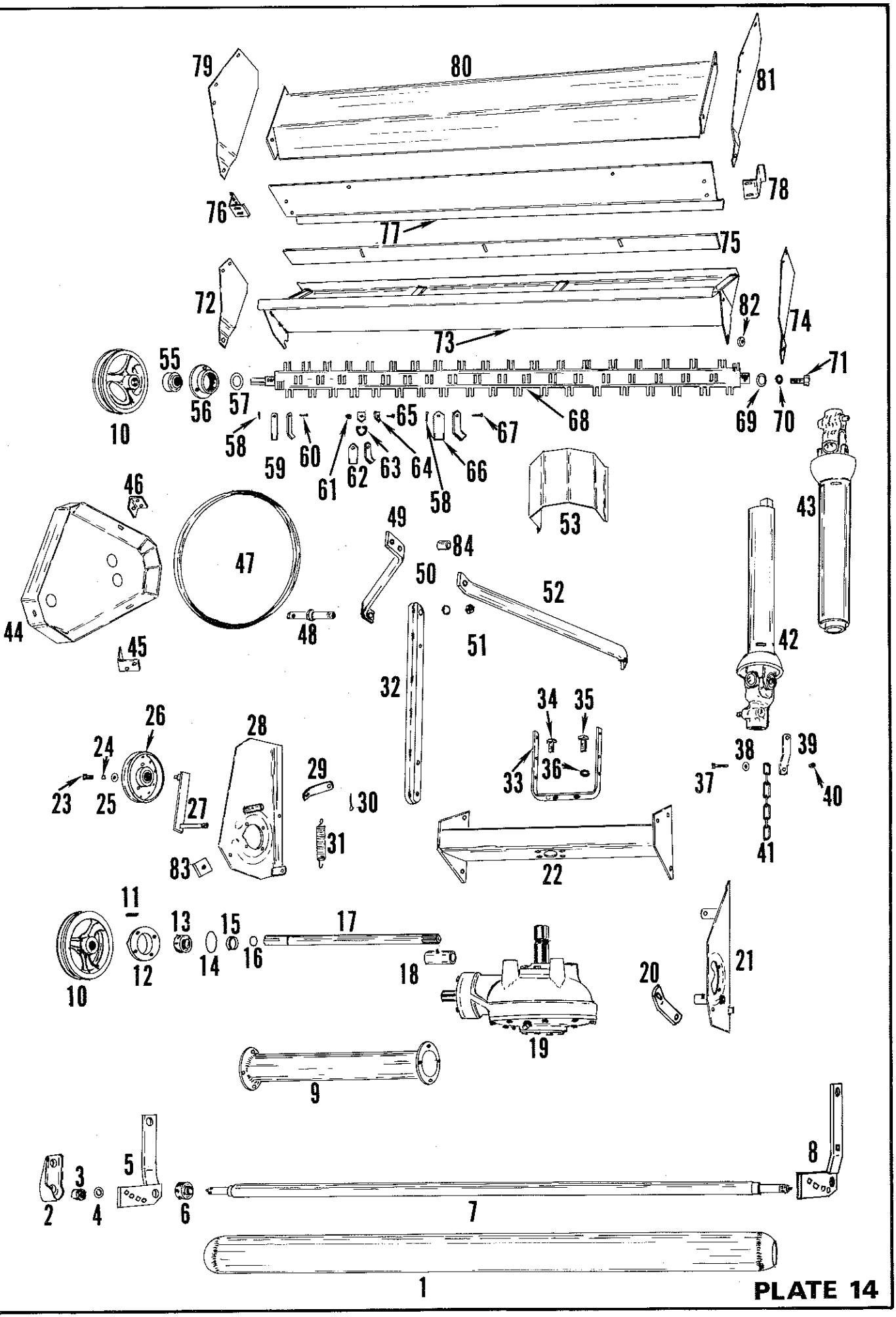

79
80
81
78
76
77
75
72
82
74
73
55
71
56
57
10
58
59
60
61
62
63
64
65
66
67
68
69
70
46
47
49
84
50
52
53
43
44
48
45
51
42
32
34
35
26
28
24
29
38
39
23
25
27
30
33
36
37
40
31
41
83
22
11
13
15
17
21
10
12
14
16
18
20
19
9
8
5
3
2
4
6
7
1

PLATE 14

REF. NO.	60 CENTERED, DRIVE LEFT, STANDARD ROTATION	60 CENTERED, DRIVE RIGHT, REVERSE ROTATION	72 CENTERED, DRIVE LEFT, STANDARD ROTATION	72 CENTERED, DRIVE RIGHT, REVERSE ROTATION	72 OFFSET 12" LEFT, DRIVE LEFT, STANDARD ROTATION	72 OFFSET 12" RIGHT, DRIVE LEFT, REVERSE ROTATION	72 OFFSET 12" LEFT, DRIVE RIGHT, STANDARD ROTATION	72 OFFSET 12" RIGHT, DRIVE RIGHT, REVERSE ROTATION	PART NUMBER	DESCRIPTION
1	1	1	-	-	-	-	-	-	102174	5' ROLLER SHELL ONLY
1	-	-	1	1	1	1	1	1	102173	6' ROLLER SHELL ONLY
2	2	2	2	2	2	2	2	2	100125	ROLLER NUT GUARD
3	2	2	2	2	2	2	2	2	100126	ROLLER NUT
4	2	2	2	2	2	2	2	2	101933	SHAKEPROOF LOCK WASHER
5	1	1	1	1	1	1	1	1	102148	L.H. ROLLER BRACKET
6	2	2	2	2	2	2	2	2	102002	ROLLER BEARING
7	1	1	-	-	-	-	-	-	102004	5' TIE ROD W/GREASE FITTING
7	-	-	1	1	1	1	1	1	102005	6' TIE ROD W/GREASE FITTING
8	1	1	1	1	1	1	1	1	102146	R.H. ROLLER BRACKET
9	1	1	-	-	-	-	-	-	102874	5' EXTENSION SHAFT HOUSING
9	-	-	1	1	-	-	-	-	102804	6' EXTENSION SHAFT HOUSING
9	-	-	-	-	1	-	-	1	102872	OFFSET EXTENSION SHAFT HOUSING
9	-	-	-	-	-	1	1	-	102637	OFFSET EXTENSION SHAFT HOUSING
10	2	2	2	2	2	2	2	2	102565	"C"-SECTION PULLEY
11	1	1	1	1	1	1	1	1	101782	DRIVE PULLEY KEY
12	1	1	1	1	1	1	1	1	700739	BEARING HOUSING W/ZERK
-	1	1	1	1	1	1	1	1	700491	BEARING AND HOUSING ASSEMBLY
13	1	1	1	1	1	1	1	1	000398	BALL BEARING
14	2	2	2	2	2	2	2	2	000402	RETAINING RING
15	1	1	1	1	1	1	1	1	100010	BEVEL RING
16	1	1	1	1	1	1	1	1	100057	RETAINING RING
17	1	1	-	-	-	-	-	-	100288	5' EXTENSION SHAFT
17	-	-	1	1	-	-	-	-	100287	6' EXTENSION SHAFT
17	-	-	-	-	1	-	-	1	100159	EXTENSION SHAFT
17	-	-	-	-	-	1	1	-	100286	EXTENSION SHAFT
18	1	1	1	1	1	1	1	1	700171	SPLINED COUPLING W/ZERK
19	1	1	1	1	1	1	1	1	700493	REVERSE GEAR BOX
20	-	1	-	1	-	1	-	1	104354	SPRING ARM (REVERSE ROTATION)
21	-	1	-	1	-	1	-	1	701460	OUTBOARD BEARING PLATE (REV. ROT.)
22	1	1	1	1	1	1	1	1	102799	GEAR BOX MOUNTING BRACKET W.A.
23	1	1	1	1	1	1	1	1	000001	5/16 N.F. X 5/8 HEX HEAD CAPSCREW
24	1	1	1	1	1	1	1	1	000018	5/16 LOCK WASHER
25	1	1	1	1	1	1	1	1	000017	5/16 PLAIN WASHER
26	1	1	1	1	1	1	1	1	000547	IDLER PULLEY, FLAT
27	1	1	1	1	1	1	1	1	102810	IDLER ARM W.A.
28	1	-	1	-	1	-	1	-	701459	OUTBOARD BEARING PLATE (STD. ROT.)
29	1	-	1	-	1	-	1	-	104330	SPRING ARM (STANDARD ROTATION)
30	1	1	1	1	1	1	1	1	000163	3/16 X 1 COTTER PIN
31	1	1	1	1	1	1	1	1	000539	SPRING
32	2	2	2	2	2	2	2	2	102797	FRAME ARM EXTENSION ASSEMBLY
33	1	1	1	1	1	1	1	1	104382	SHIELD MOUNTING BRACKET
34	2	2	2	2	2	2	2	2	000510	5/8 N.C. X 1-1/4 HEX HEAD CAPSCREW
35	2	2	2	2	2	2	2	2	000511	5/8 N.C. X 1-1/2 HEX HEAD CAPSCREW
36	4	4	4	4	4	4	4	4	000521	5/8 LOCK WASHER
*37	4	4	4	4	2	2	2	2	000413	7/16 N.F. X 2-1/4 HEX CAPSCREW
*38	8	8	8	8	4	4	4	4	101780	1/2 X 3/16 THICK FLAT WASHER
*39	8	8	8	8	4	4	4	4	100769	LIFT CHAIN CLEVIS HALF
*40	4	4	4	4	2	2	2	2	000414	7/16 N.F. HEX LOCK NUT
*41	4	4	4	4	2	2	2	2	100247	LIFT CHAIN
* -	2	2	2	2	1	1	1	1	700497	LIFT CHAIN ASSEMBLY
42	1	1	1	1	1	1	1	1	700767	1-3/8 SHAFT HALF SHIELDED
43	1	1	1	1	1	1	1	1	700770	1-3/8 TUBE HALF SHIELDED
-	1	1	1	1	1	1	1	1	700765	1-1/8 TUBE HALF SHIELDED
44	1	1	1	1	1	1	1	1	700705	BELT GUARD
45	1	1	1	1	1	1	1	1	700699	FRONT GUARD BRACKET ASSEMBLY
46	1	1	1	1	1	1	1	1	700698	LOWER GUARD BRACKET ASSEMBLY
47	1	1	1	1	1	1	1	1	102631	"C"-SECTION "V" BELT
48	2	2	2	2	2	2	2	2	100097	ATTACHING STUD
49	2	2	2	2	2	2	2	2	100022	FRONT STRUT
50	2	2	2	2	2	2	2	2	000181	7/8" LOCK WASHER
51	2	2	2	2	2	2	2	2	000180	7/8" N.F. HEX NUT

REF. NO.	60 CENTERED, DRIVE LEFT, STANDARD ROTATION	60 CENTERED, DRIVE RIGHT, REVERSE ROTATION	72 CENTERED, DRIVE LEFT, STANDARD ROTATION	72 CENTERED, DRIVE RIGHT, REVERSE ROTATION	72 OFFSET 12" LEFT, DRIVE LEFT, STANDARD ROTATION	72 OFFSET 12" RIGHT, DRIVE LEFT, REVERSE ROTATION	72 OFFSET 12" LEFT, DRIVE RIGHT, STANDARD ROTATION	72 OFFSET 12" RIGHT, DRIVE RIGHT, REVERSE ROTATION	PART NUMBER	DESCRIPTION
52	2	2	2	2	2	2	2	2	102802	UPPER STRUT
53	1	1	1	1	1	1	1	1	104381	P.T.O. SHIELD
55	2	2	2	2	2	2	2	2	102792	CUTTERSHAFT BEARING
56	2	2	2	2	2	2	2	2	700736	BEARING CAGE W/ZERK FITTING
-	2	2	2	2	2	2	2	2	700697	CUTTERSHAFT BEARING & CAGE ASSEMBLY
57	2	2	2	2	2	2	2	2	101735	BEARING WASHER
58	76	76	92	92	92	92	92	92	000026	1/8 X 3/4 HAMMERLOCK COTTER PIN
*59	152	152	184	184	184	184	184	184	101031	3/4" WIDE X 5" C5 KNIFE
* -	1	1	-	-	-	-	-	-	700505	5' C5 KNIFE PACKAGE
* -	-	-	1	1	1	1	1	1	700506	6' C5 KNIFE PACKAGE
*60	76	76	92	92	92	92	92	92	101033	KNIFE PIN (NOT HARDENED)
*61	76	76	92	92	92	92	92	92	000210	5/16 N.F. HEX LOCK NUT
*62	152	152	184	184	184	184	184	184	101993	H293 1-1/4 X 3" RING KNIFE
* -	1	1	-	-	-	-	-	-	700824	5' H293 KNIFE PACKAGE
* -	-	-	1	1	1	1	1	1	700826	6' H293 KNIFE PACKAGE
*63	76	76	92	92	92	92	92	92	101991	RING
*64	152	152	184	184	184	184	184	184	101992	RING CLIP
*65	76	76	92	92	92	92	92	92	000032	5/16 N.F. X 7/8 HEX CAPSCREW, HEAT TREATED
66	152	152	184	184	184	184	184	184	102086	H386 1-1/4 X 5 KNIFE
-	1	1	-	-	-	-	-	-	700814	5' H386 KNIFE PACKAGE
-	-	-	1	1	1	1	1	1	700553	6' H386 KNIFE PACKAGE
67	76	76	92	92	92	92	92	92	101034	HARDENED KNIFE PIN
68	1	1	-	-	-	-	-	-	102987	5' CUTTERSHAFT
-	-	-	1	1	1	1	1	1	102988	6' CUTTERSHAFT
69	2	2	2	2	2	2	2	2	101780	BEARING CLAMP WASHER
70	2	2	2	2	2	2	2	2	000520	1/2 LOCK WASHER
71	2	2	2	2	2	2	2	2	000554	1/2" N.F. X 1-1/4 CAPSCREW
72	-	1	-	1	-	1	-	1	100259	L.H. FRONT DEFLECTOR SIDE SHIELD
73	-	1	-	-	-	-	-	-	100250	5' FRONT DEFLECTOR
73	-	-	-	1	-	1	-	1	100251	6' FRONT DEFLECTOR
74	-	1	-	1	-	1	-	1	100260	R.H. FRONT DEFLECTOR SIDE SHIELD
*75	-	1	-	-	-	-	-	-	102447	5' BACK PLATE EXTENSION
*75	-	-	-	1	-	1	-	1	102446	6' BACK PLATE EXTENSION
*76	-	1	-	1	-	1	-	1	102411	L.H. BRACKET
*77	-	1	-	-	-	-	-	-	102438	5' REAR SHIELD
*77	-	-	-	1	-	1	-	1	102437	6' REAR SHIELD
*78	-	1	-	1	-	1	-	1	102412	R.H. BRACKET
*79	-	1	-	1	-	1	-	1	102413	L.H. SIDE SHIELD
*80	-	1	-	-	-	-	-	-	102444	5' HOOD ASSEMBLY
*81	-	-	-	1	-	1	-	1	102443	6' HOOD ASSEMBLY
*81	-	1	-	1	-	1	-	1	102414	R.H. SIDE SHIELD
*82	-	2	-	2	-	2	-	2	102409	BUSHING
83	1	1	1	1	1	1	1	1	701427	UPPER GUARD BRACKET
84	1	1	1	1	1	1	1	1	102803	FRONT STRUT SPACER
	PARTS NOT ILLUSTRATED:									
-	1	1	-	-	-	-	-	-	102876	60" CUTTER HOUSING W.A.
-	-	-	1	1	-	-	-	-	102781	72" CUTTER HOUSING W.A.
-	-	-	-	-	1	-	1	-	102870	72" CUTTER HOUSING W.A.
-	-	-	-	-	-	1	-	1	102871	72" CUTTER HOUSING W.A.
-	1	1	-	-	-	-	-	-	100103	5' TRASH DEFLECTOR
-	-	-	1	1	1	1	1	1	100102	6' TRASH DEFLECTOR
* -	1	1	1	1	1	1	1	1	102554	7-1/4" SPEED-UP PULLEY
* -	1	1	1	1	1	1	1	1	102501	8-1/2" SPEED-UP PULLEY

* - OPTIONAL

MODELS 60 & 72 - 4.80/4.00 X 8 CASTER WHEELS

REF. NO.	NO. REQD.	PART NO.	DESCRIPTION
*1	2	100752	CASTER BRACKET R.H.
*2	2	100753	CASTER BRACKET L.H.
3	2	701066	360° CASTER SOCKET WITH ZERK FITTING
4	2	700696	180° CASTER SOCKET WITH ZERK FITTING
5	2	000508	1/2 N.F. X 1 HEX HEAD CAPSCREW
6	2	000520	1/2" LOCK WASHER
7	2	103767	WASHER
8	2	100141	CASTER HALF FORK
9	2	000621	HUB (INCLUDES ITEM 10)
10	4	000226	CUP
11	8	000622	HUB BOLTS
12	2	000573	SPACER
13	2	000201	SEAL
14	4	000225	BEARING CONE
15	2	101780	WASHER
16	2	000122	1/2 N.F. CASTELLATED HEX NUT
17	2	000123	1/8 X 1 COTTER PIN
18	2	000247	HUB CAP
-	2	000620	HUB COMPLETE (INCLUDES 9, 10, 11, 12, 13, 14 & 18)
**19	2	000619	WHEEL FOR TUBE TYPE TIRE
**20	2	000623	4.80/4.00 X 8 TUBE
**21	2	000618	4.80/4.00 X 8 TUBE TYPE TIRE
22	2	000768	WHEEL WITH TUBELESS STEM
23	2	000769	TUBELESS STEM
24	2	000767	4.80/4.00 X 8 TUBELESS TIRE
** -	2	000617	WHEEL, TIRE AND TUBE ASSEMBLY (ITEMS 19, 20 & 21)
-	2	000770	WHEEL AND TUBELESS TIRE ASSEMBLY (ITEMS 22 & 24)
**25	2	700280	LAMINATED TIRE (AVAILABLE AS AN ASSEMBLY ONLY)

* FOR FIELD INSTALLATION, BRACKETS ARE SHIPPED LOOSE AND ARE TO BE WELDED TO HOUSING BY CUSTOMER. WHEN THE BRACKETS ARE ORDERED WITH THE MOWER, THEY ARE FACTORY WELDED.

** OPTIONAL

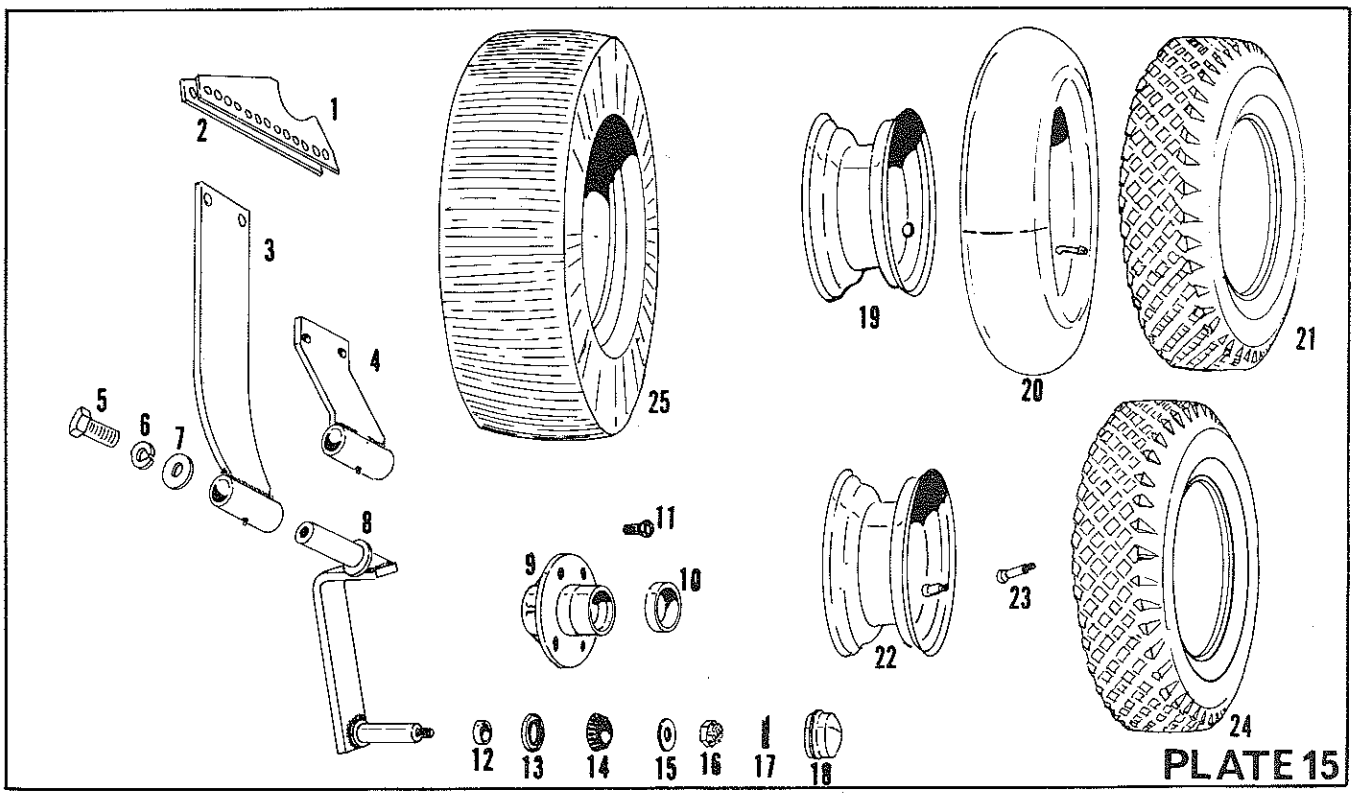


PLATE 15