

ELECTRICAL SYSTEM COMPONENTS— DESCRIPTION AND TESTING

KEY SWITCH

Description

The key switch is located on the right side of the operator's console. The four positions of the key switch are:

- OFF
- ACCESSORY/RUN
- ENGINE PREHEAT
- START

NOTE: All positions are in a clockwise rotation. From "OFF," the "START" and "ENGINE PREHEAT" positions are spring loaded to return to "ACCESSORY/RUN."

NOTE: Push the ignition key, 1, in and turn to the extreme right for tractor start up. Key switch and decal standard on TC models, replacement parts for 1725, 1925, 1530 and 1630.

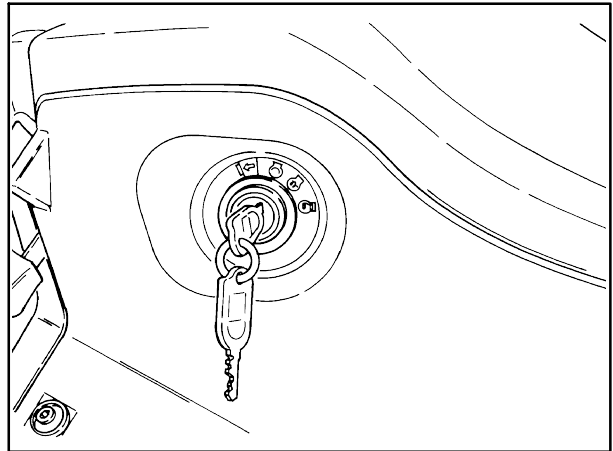


Figure 3-12

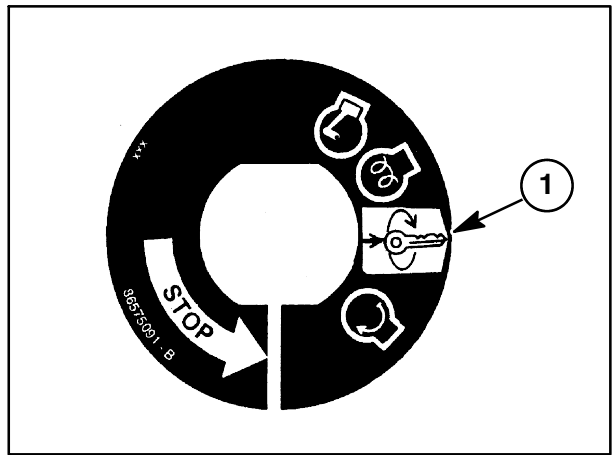


Figure 3-13

Switch Terminal and Connector Wiring Identification

25 and 30 Series Switch

"B"	BATTERY
"ACC"	ACCESSORY/RUN
"H"	ENGINE PREHEAT
"S"	START

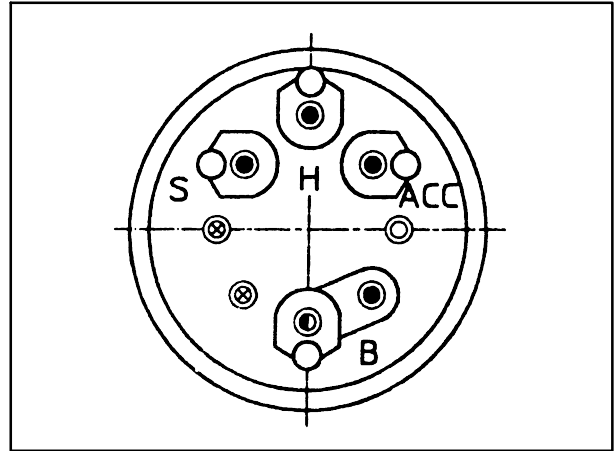


Figure 3-14

TC Models Switch/Connector

"30"	BATTERY	"A"
"15"	ACCESSORY/RUN	"B"
"19 & 50"	ENGINE PREHEAT	"C"
"17"	START	"D"

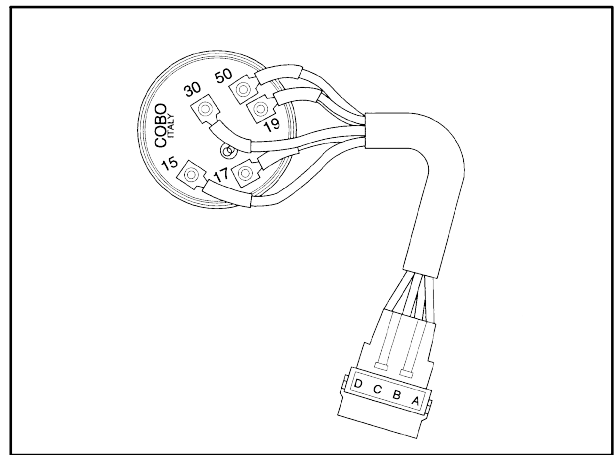


Figure 3-15

25 - 30 Series Connector

"A"	BATTERY
"B"	ACCESSORY/RUN
"C"	ENGINE PREHEAT
"D"	START

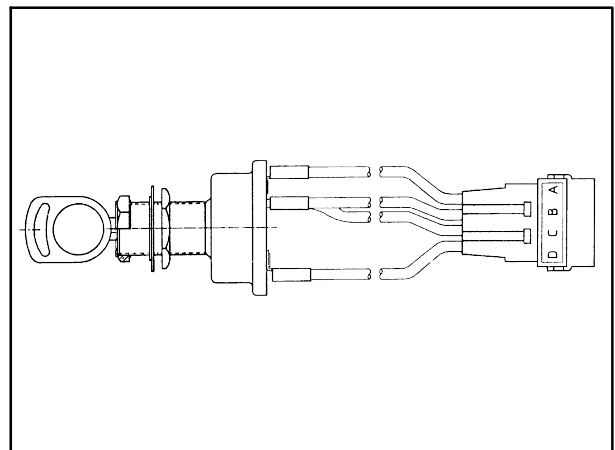


Figure 3-16

Key Switch Testing

Disconnect the key switch from the wiring harness connector. Use an ohmmeter to test the switch.

NOTE: Use charts on page 3-9 to identify connector and switch terminals.

- With the key in the “OFF” position, continuity will not exist between any of the terminals, not shown.
- With the key in the “ACCESSORY/RUN” position, there will be continuity between the (BATTERY) and (ACCESSORY) terminals of the switch, and (A) and (B) of the connector.

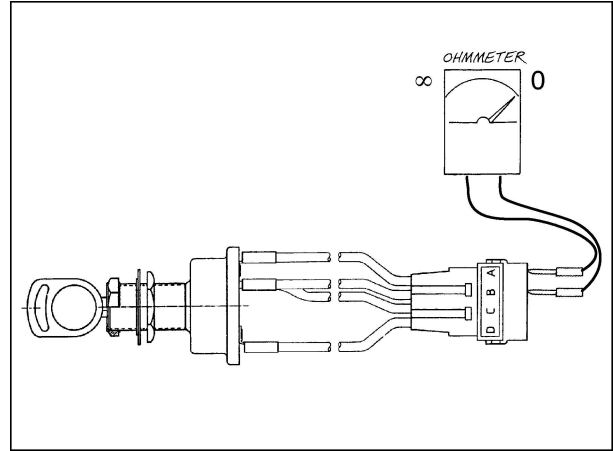


Figure 3-17

- With the key in the “ENGINE PREHEAT” position, there will be continuity between the (BATTERY) and (HEAT) terminals of the switch, and (A) and (C) of the connector.

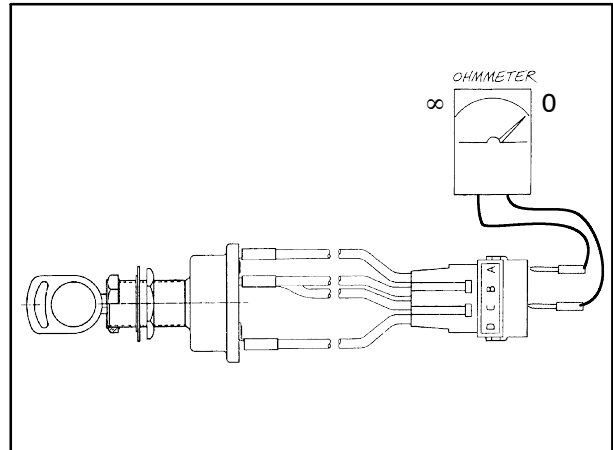


Figure 3-18

- With the key in the “START” position, there will be continuity between the (BATTERY) and (START) terminals of the switch, and (A) and (D) of the connector.

If test results are not as outlined above, replace the key switch.

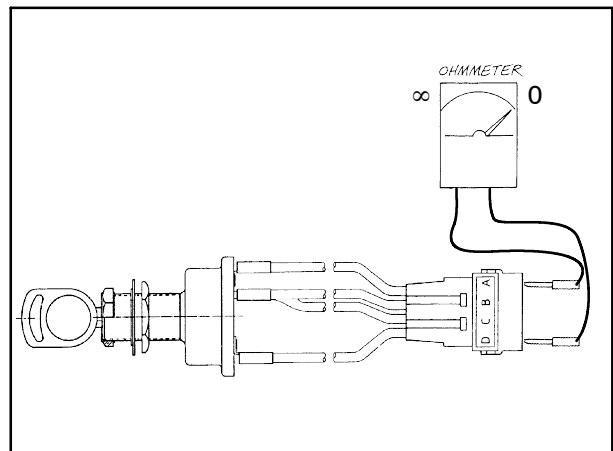


Figure 3-19