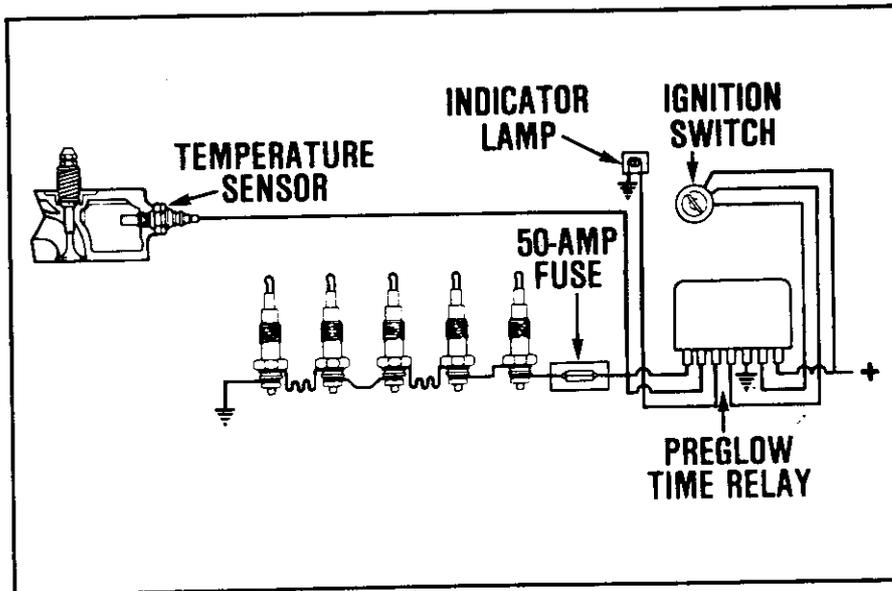


Series — Key Operated (2nd Version)*

YEAR	MODEL	ENGINE
1977-1979	240D	616.912
1977-1979	300D/CD/TD	617.912



*IDENTIFICATION: Separate 50 amp fuse located on rear wall of engine compartment.

COMPLAINT: NO START/HARD STARTING

Test Procedure:

1. Turn ignition switch to "PREGLOW" position.
2. Measure voltage at input of 50 amp fuse.

Results:	
Approximately 10.5 volts	Glow plug circuit okay. CHECK FUEL SYSTEM, PUMP TIMING, AND ENGINE COMPRESSION.
Approximately 12 volts	Open circuit between rear glow plug and ground (at front of engine). CONNECT NEGATIVE LEAD OF VOLTMETER TO GROUND AND CHECK VOLTAGE AT INPUT AND OUTPUT CONNECTIONS OF EACH GLOW PLUG. When voltmeter reads zero, the open is at that point.
Zero volts	Open circuit between rear glow plug and input from battery positive. CHECK FUSE. INSTALL NEW PREGLOW TIME RELAY AND RETEST. If reading is still zero volts, CHECK FOR OPEN WIRE. (Refer to Electrical Troubleshooting Manual)
Other Readings	Circuit resistance incorrect. CHECK ALL CONNECTIONS FOR LOOSENESS OR CORROSION. REMOVE GLOW PLUGS AND CHECK CONDITION. CLEAN CARBON FROM GLOW PLUG HOLE WITH SPECIAL REAMER.

Series — Key Operated (1st Version)

COMPLAINT: ENGINE STARTS, INDICATOR LAMP DOES NOT LIGHT

Test Procedure:

1. Unplug and ground lamp wire at thermo-time switch.
2. Turn ignition switch to "PREGLOW" position.

Results:	
Lamp On	DEFECTIVE THERMO-TIME SWITCH.
Lamp Off	DEFECTIVE BULB OR OPEN WIRE.