

Fig. 12—Testing Cavity Number Three

battery voltage with all accessories off. If there is more than a 1 volt difference, Figure 12 shows the circuit that must be checked.

(i) Turn ignition switch "Off".

(3) To check distributor pickup coil

(a) Connect an ohmmeter to wiring harness connector cavity #4 and #5 (Fig. 13). The ohmmeter resistance should be between 150 and 900 ohms.

If the readings are higher or lower than specified, disconnect the dual lead connector coming from the distributor (Fig. 14). Using the ohmmeter, check the resistance at the dual lead connector. If the reading is not between the prementioned resistance values, replace the pickup coil assembly in the distributor.

(b) Connect one ohmmeter lead to a good ground and the other lead to either connector of the distributor. Ohmmeter should show an open circuit. If the ohmmeter does show a reading, the pick up coil in the distributor must be replaced.

(4) To check electronic control unit ground circuit

(a) Connect one ohmmeter lead to a good ground and the other lead to the control unit connector pin

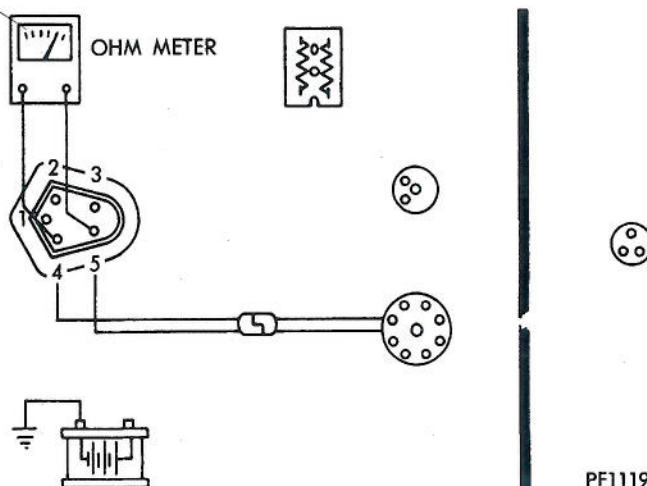


Fig. 13—Testing Pick Up Coil At Wiring Harness Connector, Cavities Four and Five

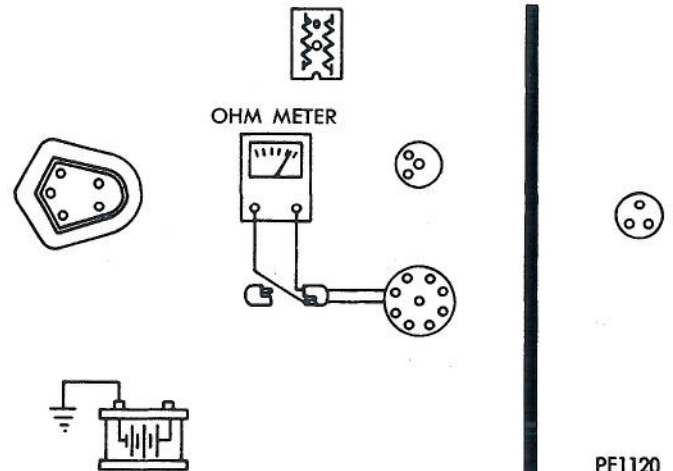


Fig. 14—Testing Pick Up Coil At Distributor Lead Connector

#5 (Fig. 15). The ohmmeter should show continuity between the ground and the connector pin. If continuity does not exist, tighten the bolts holding the control unit to the fire wall. Then recheck. If continuity does still not exist, control unit must be replaced.

(5) Reconnect wiring harness at control unit and distributor. **NOTE: Whenever removing or installing the wiring harness connector to the control unit, the ignition switch must be in the "Off" position.**

(6) Check air gap between reluctor tooth and pick up coil. To set the gap (Fig. 16), refer to "Air Gap Adjustment" under "Service Procedures."

(7) Check ignition secondary

(a) Remove the high voltage cable from the center tower of the distributor. Hold the cable approximately 3/16 inch from engine. Crank engine.

(b) If arcing does not occur, replace the control unit.

(c) Crank the engine again. If arcing still does not occur, replace the ignition coil.

(8) SUMMARY

**Remember:** The electronic ignition tester does a complete job of testing circuits and components. If a problem **does not** show up when making the voltage checks, coil resistance checks, or ground continuity

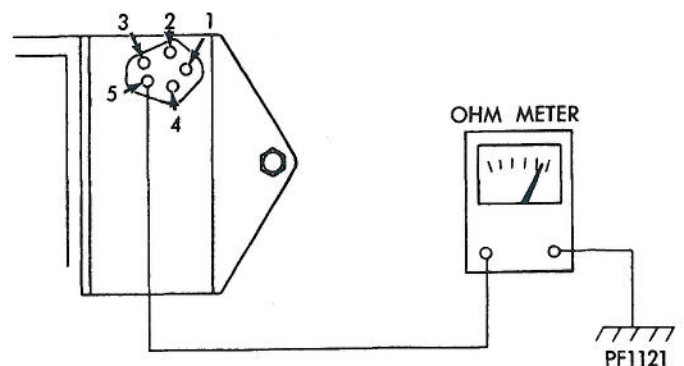


Fig. 15—Testing Ground Circuit