



Field Service Bulletin

SUBJECT: QUICK CHECKS OF MOTOR-GENERATOR CRANKING AND CHARGING CIRCUITS

The following "quick-check" procedures are supplemented by Delco-Remy Service Bulletins 7D-100 (Battery), IMG-150 (Motor-Generator), 1R-111 (Regulator), and 1R-118A (Regulator).

CRANKING COMPLAINT

1. Check drive belt tension.
2. Insure that battery is fully charged.
3. Inspect wiring, clean and tighten connections.
4. If none of the above procedures corrects the trouble, remove motor-generator for further checks.

OVERCHARGED BATTERY

1. Connect voltmeter from motor-generator "A" terminal to ground.
2. Disconnect lead at motor-generator "P" terminal. Leave other wiring leads connected (Fig. 1).
3. Operate engine. If voltage is obtained, remove motor-generator for further checks.
4. If no voltage is obtained, check field lead and regulator.

UNDERCHARGED BATTERY

1. Check drive belt tension.
2. Inspect wiring, clean and tighten connections.
3. Connect voltmeter from motor-generator "A" terminal to ground.
4. Ground motor-generator "P" terminal. Leave all wiring leads connected (Fig. 2).
5. Operate engine. If no voltage is obtained, remove motor-generator for further checks.
6. If voltage is obtained, refer to applicable regulator bulletin.

Fig. 1

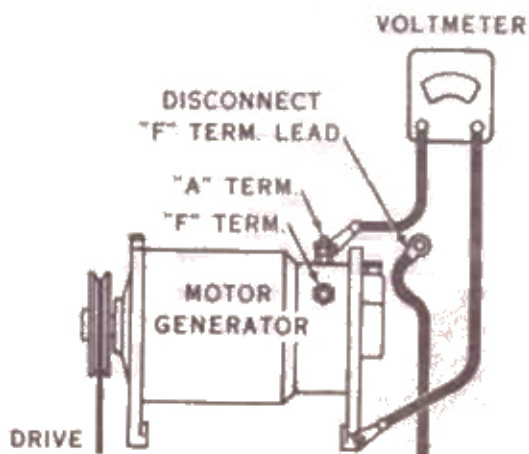


Fig. 2

