

GENERAL SERVICING (Cont.)

CHARGING SYSTEM TROUBLE SHOOTING

CONDITION	POSSIBLE CAUSE	CORRECTION
▶ No output	<ol style="list-style-type: none"> 1) Sticking brushes. 2) Dirty brushes and slip rings. 3) Loose or dirty connections. 4) Broken leads. 5) Open stator winding. 6) Open rotor winding. 7) Open diodes. 8) Shorted rotor. 9) Shorted stator. 10) Grounded terminal. 11) Broken fan belt. 12) Blown fuse or defective contact. 	<ol style="list-style-type: none"> 1) Replace brushes and springs. 2) Clean. 3) Clean and tighten. 4) Replace. 5) Repair or replace stator. 6) Replace rotor. 7) Replace diodes. 8) Replace rotor. 9) Replace or repair stator. 10) Replace insulator. 11) Replace belt. 12) Replace or repair.
▶ Excessive output	<ol style="list-style-type: none"> 1) Broken neutral wire. 2) Defective voltage regulator. 3) Poor ground of alternator and regulator terminals. 4) Broken ground wire. 	<ol style="list-style-type: none"> 1) Replace wire. 2) Check and repair or replace. 3) Clean and tighten mountings and terminals. 4) Replace wire.
▶ Low output	<ol style="list-style-type: none"> 1) Loose or worn fan belt. 2) Sticking brushes. 3) Low brush spring tension. 4) Defective regulator. 5) Dirty slip rings. 6) Partial short, ground, or open in stator winding. 7) Partial short, ground or open in rotor winding. 8) Open diode. 	<ol style="list-style-type: none"> 1) Adjust or replace belt. 2) Correct or replace brushes and/or springs. 3) Replace springs. 4) Adjust or replace. 5) Clean. 6) Replace stator. 7) Replace rotor. 8) Replace diode.
▶ Noisy alternator	<ol style="list-style-type: none"> 1) Loose mounting. 2) Loose drive pulley. 3) Defective alternator bearing. 4) Brushes improperly seated. 	<ol style="list-style-type: none"> 1) Tighten mounting bolts. 3) Tighten pulley. 3) Replace bearing. 4) Seat brushes correctly.