

GENERAL SERVICING (Cont.) CHARGING SYSTEM TROUBLE SHOOTING

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p>No Output</p> <ul style="list-style-type: none"> • Sticking brushes or brush springs. • Dirty brushes or slip rings. • Loose or dirty wiring connections. • Broken leads. • Open or shorted stator windings. • Open or shorted rotor windings. • Open diodes. • Grounded terminals. • Broken fan belt. • Fuse or warning light defective. <p>Excessive Output</p> <ul style="list-style-type: none"> • Broken neutral wire. • Defective voltage regulator. • Poor ground on alternator and regulator terminals. • Broken ground wire. • Defective battery. <p>Noisy Alternator</p> <ul style="list-style-type: none"> • Loose mounting bracket. • Loose drive pulley. • Defective alternator bearings. • Brushes improperly seated on rotor. 	<p>Low Output</p> <ul style="list-style-type: none"> • Loose or worn fan belt. • Sticking brushes. • Low brush spring tension. • Defective voltage regulator. • Dirty slip rings. • Partial short, ground or open in stator windings. • Partial short, ground or open in rotor windings. • Open diode. <p>Battery Does Not Stay Charged</p> <ul style="list-style-type: none"> • Loose or worn drive belt. • Loose or corroded cable connections. • Electrical accessories left on or exceeding charging capacity. • Charging rate too low. • Low speed driving of short duration. <p>Battery Overcharged</p> <ul style="list-style-type: none"> • Defective battery. • Battery overheated. • Excessive alternator output voltage. • Long distance high speed driving.