

Charging Systems

CHARGING SYSTEMS TROUBLE SHOOTING

ELECTRICAL

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p>Vehicle Will Not Start</p> <ul style="list-style-type: none"> • Dead battery. • Loose or corroded battery connections. • Ignition switch malfunction. <p>Alternator Light Stays ON With Engine Running</p> <ul style="list-style-type: none"> • Loose or worn drive belt. • Loose alternator wiring connections. • Short in alternator light wiring. • Defective alternator stator or diodes. • Defective regulator. <p>Alternator Light Stays OFF With Ignition Switch ON</p> <ul style="list-style-type: none"> • Blown fuse. • Defective alternator. • Defective indicator light bulb. • Defective indicator light bulb socket. <p>Alternator Light Stays ON With Ignition Switch OFF</p> <ul style="list-style-type: none"> • Short in alternator wiring. • Defective rectifier bridge. <p>Lights or Fuses Burn Out Frequently</p> <ul style="list-style-type: none"> • Defective alternator wiring. • Defective regulator. • Defective battery. 	<p>Ammeter Gauge Shows Discharge</p> <ul style="list-style-type: none"> • Loose or worn drive belt. • Defective wiring. • Defective alternator or regulator. • Defective ammeter, or improper ammeter wiring connections. <p>Noisy Alternator</p> <ul style="list-style-type: none"> • Loose drive pulley. • Loose mounting bolts. • Worn or dirty bearings. • Defective diodes or stator. <p>Battery Does Not Stay Charged</p> <ul style="list-style-type: none"> • Loose or worn drive belt. • Loose or corroded battery connections. • Loose alternator connections. • Defective alternator or battery. • Electrical accessories left ON. • Defective alternator stator or diodes. • Add-on electrical accessories exceeding alternator capacity. • Low speed driving of short duration, insufficient to charge battery. <p>Battery Overcharged - Uses Too Much Water</p> <ul style="list-style-type: none"> • Defective battery. • Defective alternator. • Battery overheated. • Excessive alternator voltage. • Low speed driving of short duration.