

Symptom Chart

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Condition	Possible Sources	Action
<ul style="list-style-type: none"> System voltage high 	<ul style="list-style-type: none"> Engine, generator and battery grounds Wiring, terminals or connectors Battery Generator 	<ul style="list-style-type: none"> GO to Pinpoint Test A.
<ul style="list-style-type: none"> System voltage low or battery is discharged 	<ul style="list-style-type: none"> Abnormal ignition-off current drain(s) Engine, generator and battery grounds Positive battery cable Wiring, terminals or connectors Battery Generator 	<ul style="list-style-type: none"> GO to Pinpoint Test B.
<ul style="list-style-type: none"> The generator is noisy 	<ul style="list-style-type: none"> Front End Accessory Drive (FEAD) belt Loose bolts/brackets Generator/pulleys 	<ul style="list-style-type: none"> GO to Pinpoint Test F.
<ul style="list-style-type: none"> Radio interference 	<ul style="list-style-type: none"> Generator Wiring, terminals or connectors In-vehicle entertainment system 	<ul style="list-style-type: none"> GO to Pinpoint Test G.
<ul style="list-style-type: none"> Charging system warning indicator is never/always on 	<ul style="list-style-type: none"> Wiring, terminals or connectors Instrument Cluster (IC) Generator PCM 	<ul style="list-style-type: none"> RETRIEVE Continuous Memory Diagnostic Trouble Codes (CMDTCs) from all modules. If any charging system DTCs are found, REFER to the Diagnostic Trouble Code (DTC) Chart in this section. If no charging system DTCs are found, REFER to Section 413-01.

