

DIAGNOSIS AND TESTING > CHARGING SYSTEM - 5.2L 32V TI-VCT > SYMPTOM CHART(S) (5.2L)

Symptom Chart: Charging System

Diagnostics in this article assume a certain skill level and knowledge of Ford-specific diagnostic practices. REFER to: Diagnostic Methods .

Symptom Chart

Condition	Possible Sources	Actions
System voltage high	Refer to the Pinpoint Test	GO to Pinpoint Test A
System voltage low or battery is discharged	Refer to the Pinpoint Test	GO to Pinpoint Test B
The generator is noisy	Refer to the Pinpoint Test	GO to Pinpoint Test C
Radio interference	Refer to the Pinpoint Test	GO to Pinpoint Test D
Charging system warning indicator is never or always on	Wiring, terminals or connectors IPC Generator PCM	RETRIEVE Diagnostic Trouble Codes (DTCs) from all modules. If any Diagnostic Trouble Codes (DTCs) are found, Refer to DTC Chart . If no Diagnostic Trouble Codes (DTCs) are found, REFER to: Instrumentation, Message Center and Warning Chimes .
Load Shed Message Displays in IPC message center and/or centerstack infotainment display	Refer to the Pinpoint Test	GO to Pinpoint Test H
Battery Saver - System Off displays in centerstack infotainment display	Refer to the Pinpoint Test	GO to Pinpoint Test H

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Refer to Charging System for schematic and connector information.



NOTE: Diagnostic Trouble Code (DTC) P0563 can be set if the vehicle has been recently jump started or the battery has been recently charged. The battery may become discharged due to excessive load(s) on the charging system from aftermarket accessories or if vehicle accessories have been operating for an extended period of time without the engine running.

Normal Operation and Fault Conditions