

Case Number: S2008000031 REV. A

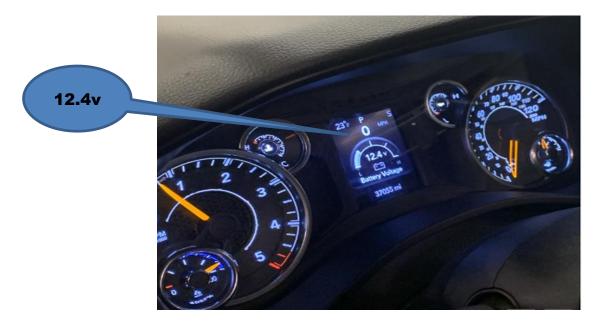
**Release Date:** 01/15/2021

Symptom/Vehicle Issue: Low Charging Voltage Displayed On Cluster

**Customer Complaint/Technician Observation:** Owner Complains of low charging voltage displayed on cluster. Technician has observed the same.

**Discussion:** Newer vehicles charging system now incorporate a SMART CHARGE function that closely monitors the charging systems output to improve battery life and fuel efficiency through the vehicles various drive cycle modes. The new strategy can give a false perception that the charging system is not charging properly and lead to improper component replacement.

Do not replace the main or aux battery, IBS sensor, alternator, or other components unless fault code diagnostics lead to the replacement of the suspect component. See the pg 2 charge mode strategies when considering any of the listed components for improper charging complaints.



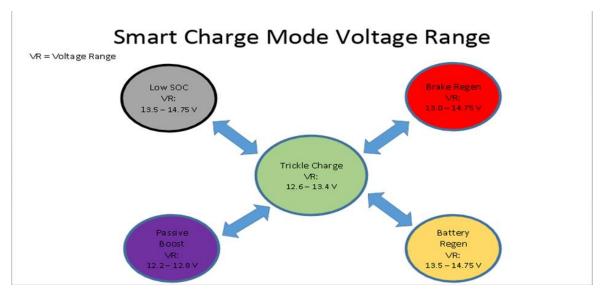
Example: 3.0L diesel (JL & JT) will be display the most aggressive at idle.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

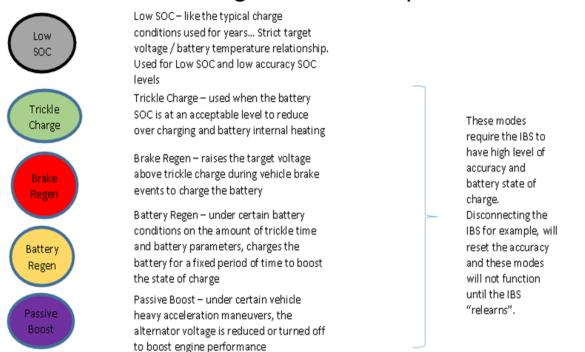
Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found

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## Smart Charge Mode Description



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