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|------------------------|------------------------|
| GROUP | MODEL |
| Safety Recall Campaign | 2023MY Sportage (NQ5a) |
| NUMBER | DATE |
| SC248 | September 2022 |

SAFETY RECALL CAMPAIGN

SUBJECT:

ALTERNATOR B+ TERMINAL NUT INSPECTION AND TIGHTENING (SC248)

This bulletin provides information to inspect and, if necessary, tighten the alternator battery positive (B+) terminal nut on certain 2023MY Kia Sportage (NQ5a) vehicles equipped with 2.5L Theta III engine, produced from January 12, 2022 through August 8, 2022. The alternator B+ terminal nut ensures that the electrical connection is maintained between the battery wire harness terminal plate and the alternator B+ terminal. The alternator B+ terminal nut in the affected vehicles may not have been properly tightened during the assembly. If the terminal nut is not properly tightened, it can loosen over time and may result in an engine stall while driving or a fire may occur while driving due to electrical arcing at the B+ terminal. An engine stall increases the risk of a crash, and a fire increases the risk of injury. Follow the procedure outlined in this publication to inspect and, if necessary, tighten the alternator nut to specifications. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



NOTICE

There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.

NOTICE

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

Inspection Procedure:

1. Open the hood.
2. Disconnect the negative (-) terminal from the battery.

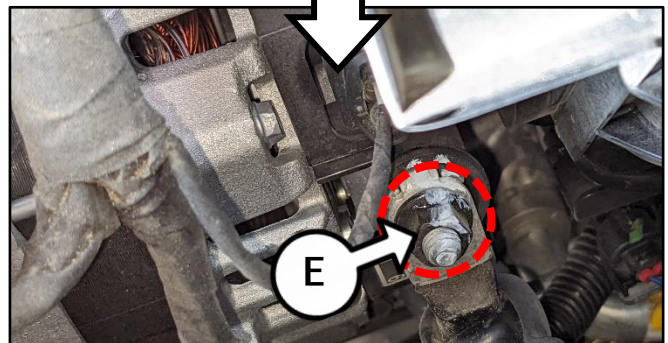
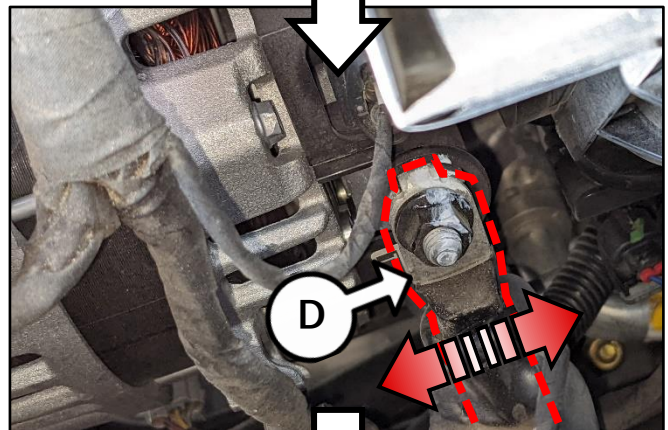
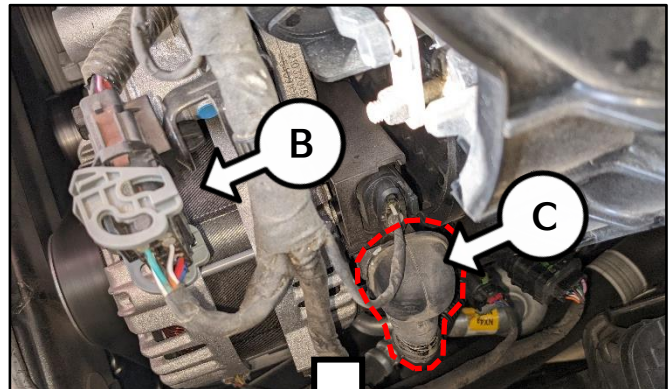
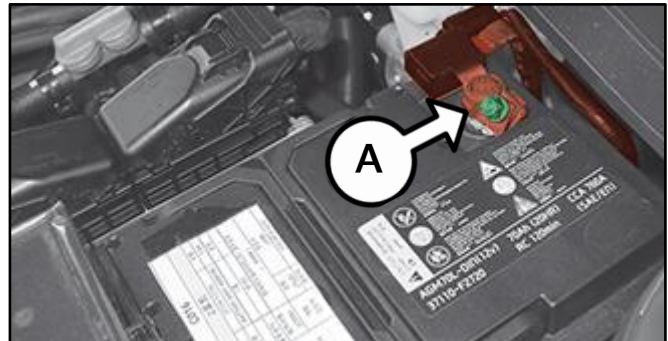
ⓘ IMPORTANT

Kia Signature Bold, 10, Justified
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3. Locate the alternator (B) and pull down on the alternator "B+" terminal nut/cable cover (C).
4. Confirm the alternator B+ terminal cable (D) is secured tight by attempting to move the terminal cable end (push/pull - left to right).
- 5a. If the cable (D) was secured tight, then confirm that the alternator B+ terminal nut (E) is torqued to specification.
 - If the nut was found to be torqued to specification, then classify this condition as a **Pass (OK)**.
 - If the nut was found NOT torqued to specification, then classify this condition as a **Fail (NG)**.
- 5b. If the cable (D) was loose, then torque the alternator B+ terminal nut (E) to specification. Confirm cable is secured (push/pull-left to right) and classify this condition as a **Fail (NG)**.



Tightening torque for Alternator B+ Nut:
13.7 - 18.1 lb.ft (18.6 - 24.5 N.m)



6. Restore Alternator B+ terminal/nut cover and re-connect the battery negative (-) terminal. Confirm normal vehicle operation.

SUBJECT: **ALTERNATOR B+ TERMINAL NUT INSPECTION & TIGHTENING (SC248)**

AFFECTED VEHICLE RANGE:

| Model | Production Date Range |
|-----------------|------------------------------------|
| Sportage (NQ5a) | January 12, 2022 to August 8, 2022 |

WARRANTY INFORMATION:

N Code: N99 C Code: C99

| Claim Type | Causal P/N | Qty. | Repair Description | Labor Op Code | Op Time | Replacement P/N | Qty. |
|------------|-----------------|------|--|---------------|------------|-----------------|------|
| R | 13395 08007K | 0 | (SC248) Inspection of Alternator (B+) Terminal Nut and Torque Check Pass (OK) Condition | 221A17IO | 0.2 M/H | N/A | 0 |
| | | | (SC248) Inspection of Alternator (B+) Terminal Nut and Re-torque Fail (NG) Condition | 221A17RO | | | |

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC248 when accessing the WebDCS system.

