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|  HYUNDAI NEW THINKING. NEW POSSIBILITIES. Technical Service Bulletin | GROUP CAMPAIGN | NUMBER 17-01-033-1 |
| | DATE OCTOBER 2017 | MODEL(S) SANTA FE SPORT (AN) SONATA (LF) |
| SUBJECT: | LOOSE ALTERNATOR REGULATOR B+ SCREW (SERVICE CAMPAIGN T1Y) | |

This TSB supersedes TSB 17-01-033 to emphasize the importance of disconnecting the Battery Negative Cable before starting the service procedure.

*** IMPORTANT**

***** Dealer Stock and Retail Vehicles *****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

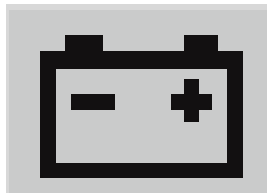
When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

*** IMPORTANT**

The Battery Negative Cable must be disconnected before starting the service procedure. Failure to disconnect the Battery Negative Cable may cause the 180A alternator fuse to open, subsequently rendering an inoperative charging system and may result in warranty claims charge back.

Description:

On certain 2017 MY Sonata (LF) and Santa Fe Sport (AN) vehicles, a screw securing the alternator's regulator may not have been properly torqued during assembly. If this condition exists, the interior and/or exterior lights may flicker, and the alternator's charging function may be affected illuminating the charging system warning light in the instrument cluster.



This bulletin provides the service procedure to properly torque the alternator's regulator screw.

Applicable Vehicles: Certain 2017 Santa Fe Sport (AN) and Sonata (LF) equipped with 2.0L Turbo and 2.4L engines

Warranty Information:

| Model | Op. Code | Operation | Op. Time | Causal Part | Nature | Cause |
|------------------------------------|----------|----------------------------|----------|-------------|--------|-------|
| Santa Fe Sport (AN) Sonata (LF) | 70CA08R0 | Tighten Regulator Screw | 0.5 M/H | 37300-2G061 | B11 | ZZ7 |

NOTE 1: Submit Claim on Campaign Claim Entry Screen.

NOTE 2: If a part is found in need of replacement while performing Service Campaign T1Y and the affected part is still under warranty, submit a separate warranty claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

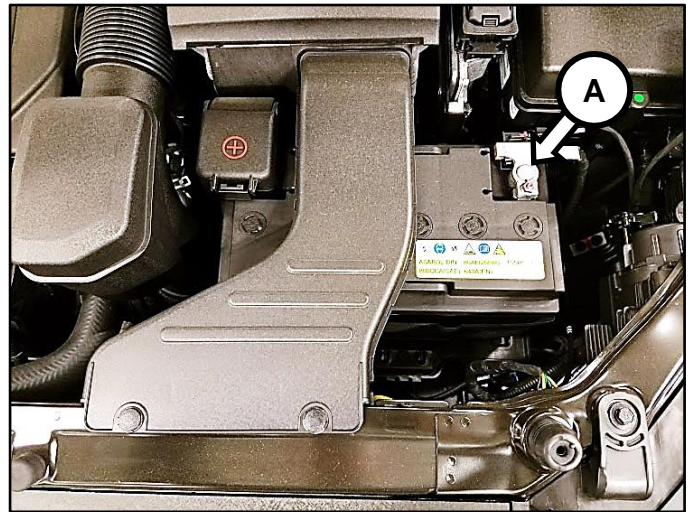
Service Procedure:

1. Record the customer's AM/FM/XM radio preset stations (if applicable).

Turn the ignition switch OFF and disconnect the negative battery terminal **(A)**.

Tightening Torque:

4.0 ~ 6.0 N.m (0.4 ~ 0.6 kgf.m, 3.0 ~ 4.4 lb-ft)

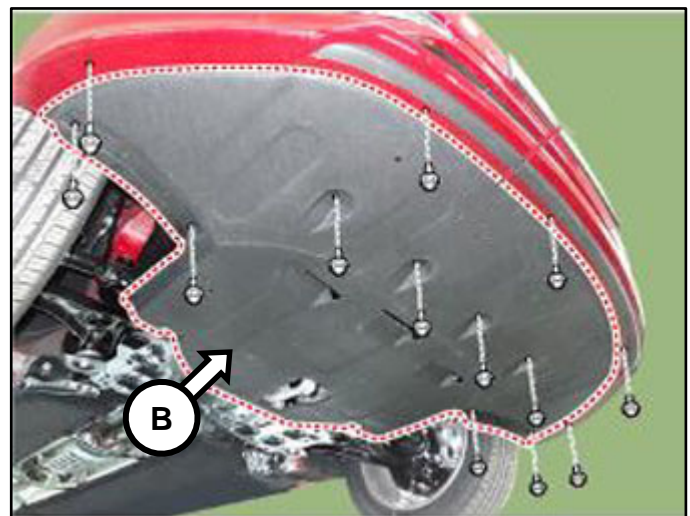


2. Safely position vehicle on the lift.

Remove the engine under cover **(B)**.

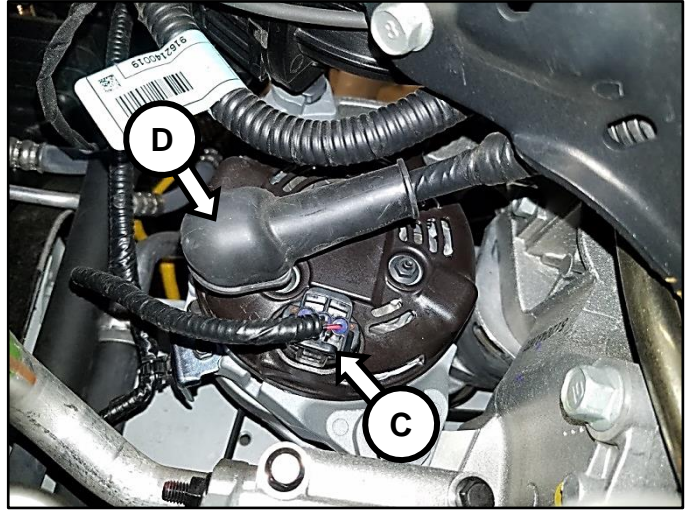
Tightening Torque:

7.8-11.7 N.m (0.8-1.2 Kgf.m, 5.7-8.6 lb-ft)



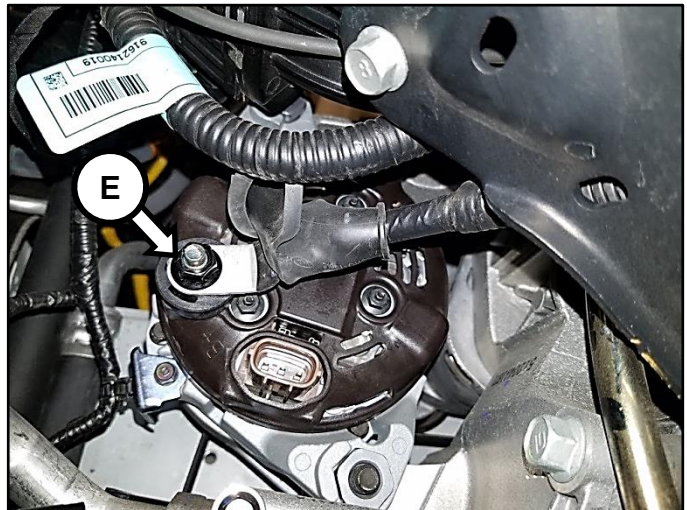
3. Remove alternator regulator connector (C).

Pull back the alternator B+ terminal insulator cover (D).



4. Disconnect the alternator B+ cable after removing the 12mm nut (E).

Tightening Torque:
9.8-11.8N.m (1.0-1.2kgf.m, 7.2-8.7lb-ft)

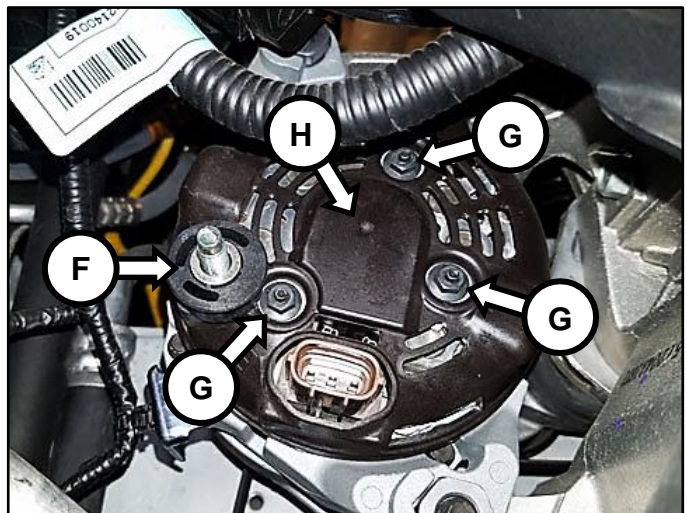


5. Remove the B+ terminal bushing (F) by pulling away from the alternator.

Remove alternator rear cover 8mm nuts (G).

Tightening Torque:
45 kgf.cm (39 lb-in)

Remove the rear alternator cover (H) from the alternator.



*** NOTE**

**Be sure to keep all parts for
reinstallation.**

6. Torque the Regulator B+ screw **(I)**.
Tightening Torque:
20 kgf.cm (17 lb-in)

Install all removed parts in the reverse order of removal.

Verify repair.

Reprogram radio preset stations (if applicable).

Campaign procedure is complete.

