 HYUNDAI Technical Service Bulletin	GROUP ENGINE ELECTRICAL	NUMBER 19-EE-007H
	DATE JUNE 2019	MODEL(S) SONATA (LF)
SUBJECT:	STARTER M-TERMINAL NUT RE-TIGHTENING	

Description: On certain 2018 MY Sonata (LF) equipped with the 2.4L or 2.0L Turbo engine, the starter M-Terminal nut may become relaxed and loosened. If this condition exists, the vehicle may experience a no crank condition in colder ambient temperatures. In most cases the starter will function normally at room temperature.

This bulletin provides the service procedure to properly tighten the starter M-Terminal nut.

Applicable Vehicles: Certain 2018 Sonata (LF) equipped with 2.4L and 2.0L Turbo engines with production date range between 4/12/2017 to 8/13/2018.

★ IMPORTANT

The battery negative cable must be disconnected before starting the service procedure. Failure to disconnect the battery negative cable could cause 180A battery fuse and/or 30A starter fuse to open; subsequently rendering an inoperative starting and charging system. It may result in warranty claims charge back.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature	Cause
Sonata (LF)	36100F00	STATER TORQUE RE-TIGHTENING	0.6 M/H	36100-2G250	E24	ZZ7

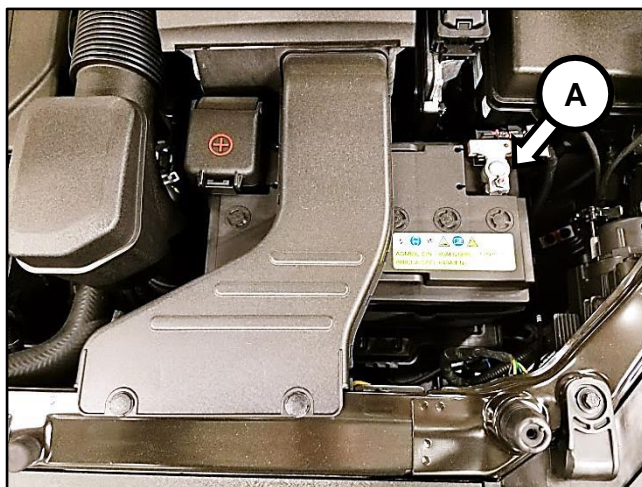
NOTICE

- Over torquing the M-Terminal nut could damage terminal and starter solenoid components, subsequently rendering an inoperative starting system and may result in warranty claims charge back.
- Follow the Workshop Manual starting system diagnostic procedure if no crank condition is observed at normal room tempearture.

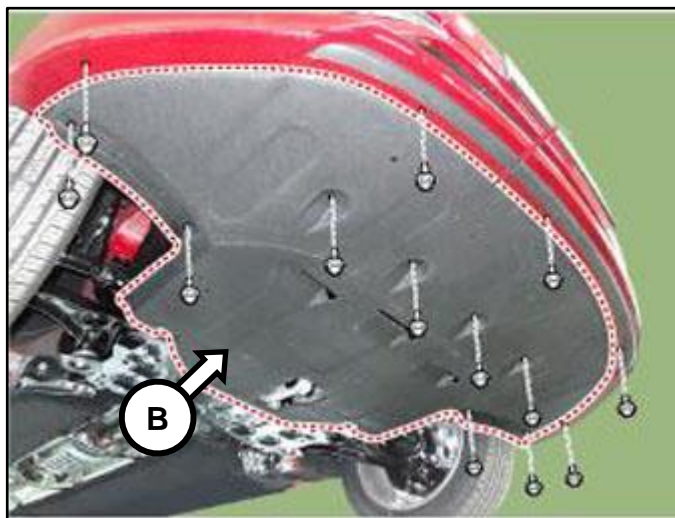
Service Procedure:

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

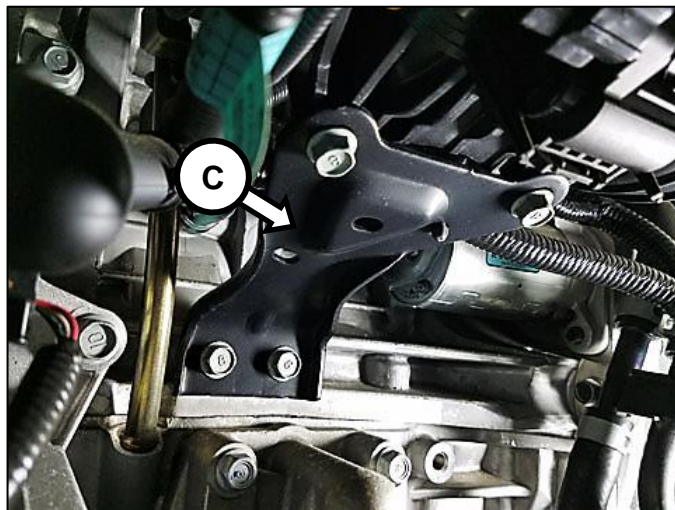
Turn the ignition switch OFF and disconnect the negative battery terminal **(A)**.

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 the intake manifold stay bracket **(C)** mounted on the side of the engine.

Tightening torque:**18.7 ~ 23.5N.m****(1.9 ~ 2.4 Kgf.m, 13.7 ~ 17.4 lb-ft)**

4. Torque the starter solenoid M-terminal nut with a 1/4 in. drive torque wrench and a 10mm socket.

Tightening torque:

5.0 ~ 5.5N.m

(0.5 ~ 0.6 Kgf.m, 3.7 ~ 4.1 lb-ft)

Install all removed parts in the reverse order of removal.

Verify repair.

Reprogram radio preset stations (if applicable).

Service procedure is complete.

