



HYUNDAI
Technical Service Bulletin

GROUP RECALL	NUMBER 21-01-052H
DATE JUNE, 2021	MODEL(S) SANTA FE SPORT (AN)

SUBJECT: ABS MODULE INSPECTION AND MULTI-FUSE INSTALLATION
 (RECALL CAMPAIGN 205)

*** IMPORTANT**

***** Retail Vehicles *****

Dealers must perform this Recall Campaign whenever an affected vehicle is in the shop for any maintenance or repair.

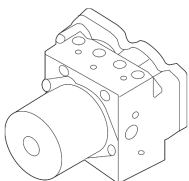
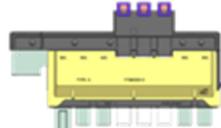

When a vehicle arrives at the service department, access Hyundai Motor America’s “Warranty Vehicle Information screen (VIS)” via WEBDCS to identify open Campaigns.

Description: Certain 2013-2015MY Santa Fe Sport (AN) vehicles equipped with Anti-lock Brake System (“ABS”) modules may leak brake fluid internally and cause an electrical short over time. An electrical short in the ABS module could increase the risk of an engine compartment fire. This bulletin describes the procedure to inspect the ABS module, replace the multi-fuse, and if necessary replace the ABS module.

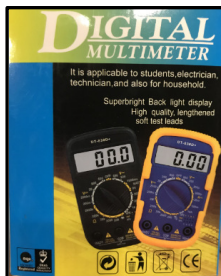


Applicable Vehicles: Certain 2013-2015MY Santa Fe Sport (AN)

Parts Information:

Part Name	Part Number	Figure	QTY.
Hydraulic Unit Assy	58920-4Z000QQH		1
	58920-4Z200QQH		1
Service Kit (Multi-fuse and Upper Cover)	91KIT-4ZUSAQQH	  Multi Fuse Upper Cover	1

SST Information

Description	Figure/Part Number	Note
Multimeter DT-830D	 KQ589-4C100QQH	One multimeter has been supplied to each dealer previously under Recall 194. This multimeter is optional. Refer to the notice below.

NOTICE

Any multimeter equipped with a manual μ A setting and meeting the specifications below may be used.

Multimeter Specifications			
DC Voltage Measurement Range	200mV/2V/20V/200V/600V	DC Current Error Range	$\pm(1.2\%+2)\Omega$
DC Voltage Error Range	$\pm(0.8\%+3)$	Resistance Measurement Range	200/2K/20K/200K/2M
AC Voltage Measurement Range	200V / 600V	Resistance Error Range	$\pm(0.8\%+2)\Omega$
AC Voltage Error Range	$\pm(0.8\%+3)$	Lead Wire Length	66 cm
DC Current Measurement Range	200 μ A/2mA/20mA/200mA/10A	Power	9V

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Santa Fe Sport (AN)	01DG02I0	HECU Inspection and Multi-Fuse Installation	0.3	58920-4Z200QQH	N99	C99
	01DG02R0	HECU Inspection & Replacement and Multi-Fuse Installation	2.0	58920-4Z200QQH		

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part that is not covered by this recall is found in need of replacement while performing Recall 205 and the affected part is still under warranty, submit a separate 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.

NOTE 3: If the picture of the multimeter’s measured value and the VIN in the background of the photo using STUI are found to not be taken, the claim will be subject to chargeback.

Service Procedure:

NOTICE

If the “ABS”, “ESC” or “Brake” indicator lamps are illuminated, refer to the appropriate section of the repair manual prior to performing this TSB inspection.

1. If applicable, record the customer’s radio preset stations and turn the ignition switch OFF.

NOTICE

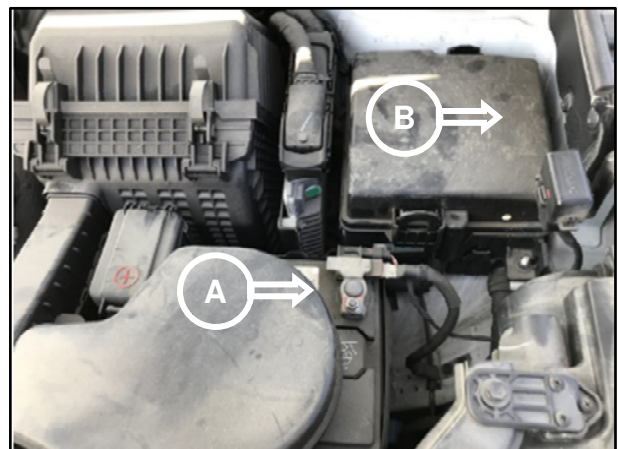
The ignition switch must remain OFF during this inspection.

2. Disconnect the battery negative (-) terminal (A) and remove the junction box upper cover (B).

Battery (-) Terminal Nut Tightening

Torque nut:

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

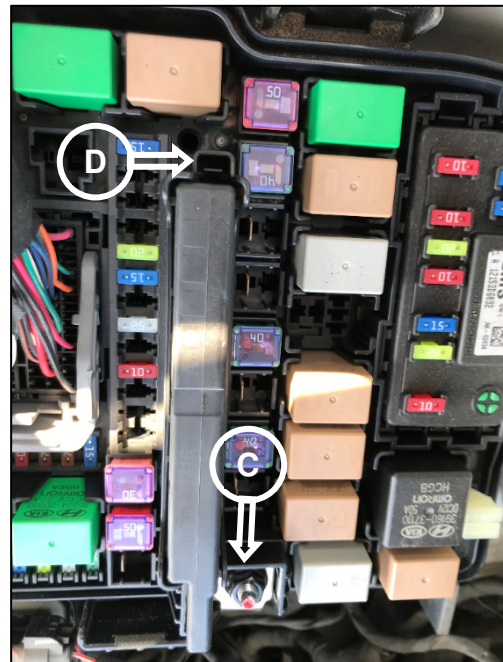


3. Remove the 10 mm nut (C) and lift the cable over the stud. Release the locking tab (D) and remove the multi-fuse.

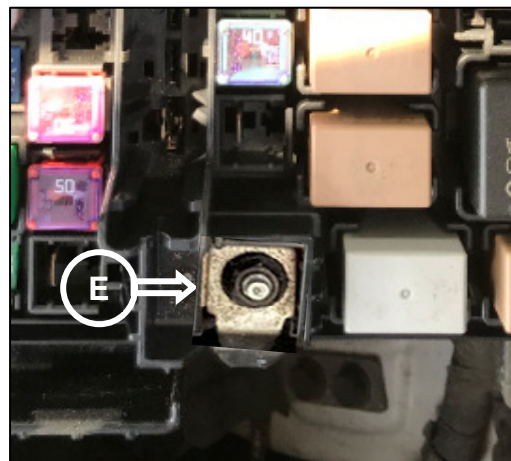
NOTICE

Do not re-use the multi-fuse. A new multi-fuse and upper cover from the service kit must be installed after completion of the ABS module inspection and (if applicable) replacement.

**Tightening Torque:
9.8~11.7 Nm (1.0~1.2 kgf.m, 7.2~8.7 lb-ft)**



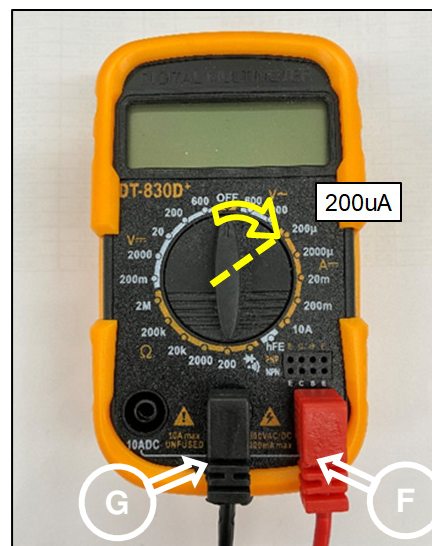
4. Place the junction box cable over the junction box stud (E), reinstall the nut and reconnect the battery negative (-) terminal.



5. Connect the red multimeter lead to VΩmA (F) and the black lead to COM (G). Turn the dial to 200μA.

NOTICE

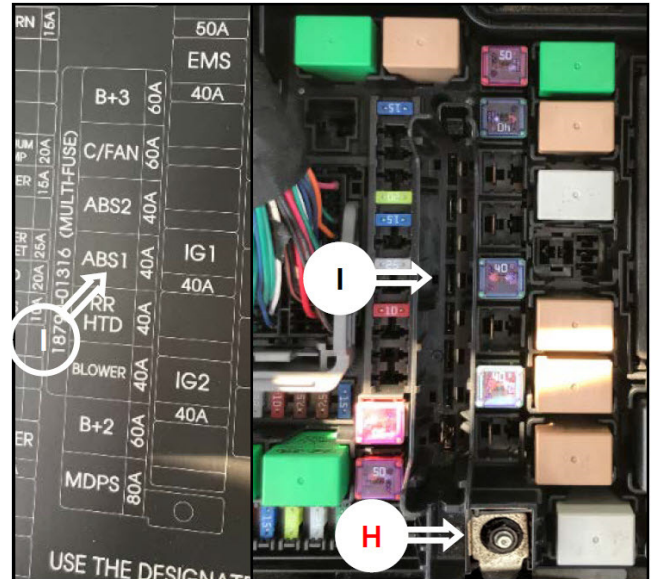
- Do not use the provided SST multimeter for purposes other than measuring leakage current.
- Replace the SST multimeter battery with a 9V battery if it is low.



6. Place the **red** lead probe of the multimeter against the side of the junction box stud (H).
- Place the **black** lead probe on the ABS1 terminals (I) in the junction box.

NOTICE

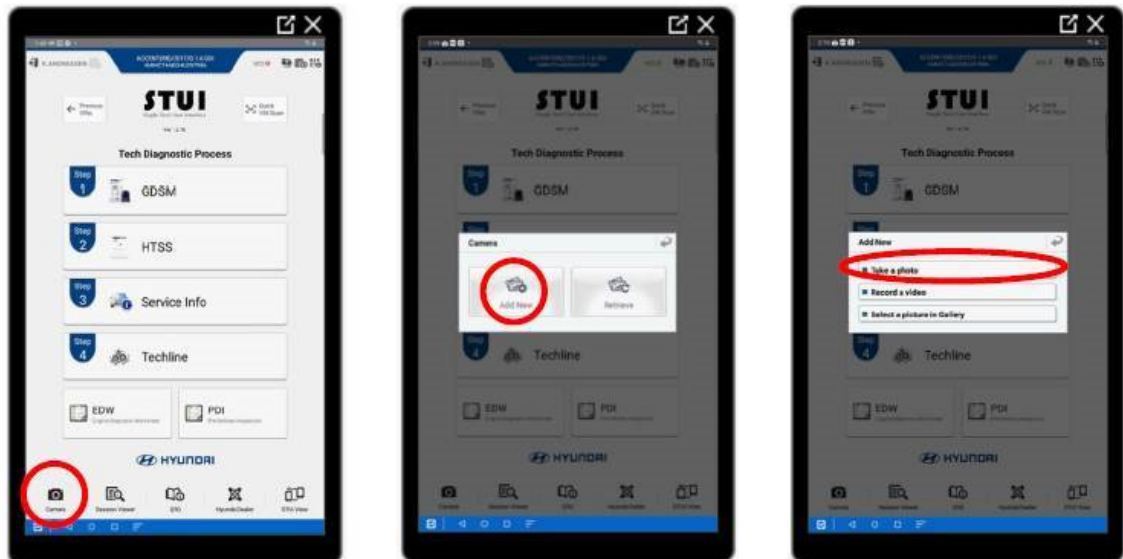
- Measurement must be taken for at least 15 seconds to obtain a stable reading.
- Use care not to damage the ABS1 terminals in the junction box with the multimeter black lead probe.



CAUTION

- If no current is detected or if the measured value is less than 1.0µA, ensure the junction box cable is connected to the junction box stud and the 12V Battery (-) terminal has been reconnected.

7. Using STUI in the GDS, take and submit a picture of the multimeter's measured value and the VIN in the background of the photo.



NOTICE

- **It is required** to take and submit a picture of the multimeter's measured value using STUI in the GDS; claim will be subject to chargeback if required photo is not taken.
- Refer to the "**GDSM and STUI Tips**" section on the Hyundai Tech info website for the complete guide on how to capture pictures and videos using STUI.

8. ➤ If the measured current value is **70 μ A or greater, replace the Hydraulic Unit Assembly (HECU), then continue to step 9 to replace the multi-fuse and upper cover (Service Kit).**
- If the measured current value is **less than 70 μ A**, HECU replacement is not needed at this time. **Continue to step 9 to replace the multi-fuse and upper cover (Service Kit).**

Refer to the repair manual for the HECU replacement procedure: *SANTAFE SPORT(DMA) > Applicable Model Year > Applicable Engine > Brake System > ESC Control Module > Repair Procedures*

9. Disconnect the negative battery terminal, then remove the multi-fuse nut and junction box cable.

Install the new multi-fuse, placing the junction cable over the multi-fuse mounting tab, and the retaining washer on top. Torque to specification.

Tightening Torque:

9.8~11.7 Nm (1.0~1.2 kgf.m, 7.2~8.7 lb-ft)

Install the upper fuse cover from the service kit.

10. Reassemble vehicle in the reverse order of removal. Start the engine. Confirm the “ABS”, “ESC” and “Brake” indicator lamps are not illuminated, clear any incidental DTCs and reprogram the customer’s radio preset stations.