HYUNDAI Technical Service Bulletin	GROUP	NUMBER
	RECALL	**17-01-060**
	DATE	MODEL(S)
	OCTOBER, 2017	**2018MY SANTA FE SPORT (AN)**

SUBJECT: 2018 SANTA FE SPORT (AN) FRONT COIL SPRING REPLACEMENT (RECALL CAMPAIGN 167)

✱ IMPORTANT

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

Dealers must perform this Recall 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.

Description: On certain 2018MY Santa Fe Sport vehicles (AN), the front coil spring may have been manufactured with a process that could result in a spring fracture. A fractured spring can make contact with the tire, potentially resulting in a tire puncture, increasing the risk of a crash. This bulletin describes the procedure to replace the front coil springs.

Applicable Vehicles: Certain 2018MY Santa Fe Sport (AN) vehicles produced at HMMA (VIN begins with 5NM) or KMMG (VIN begins with 5XY).

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Parts Information:

Part Name	Powertrain	Part Number	Qty.
Coil Spring	2.0T 2WD 2.0T AWD	54630-4Z200	2
	2.4 2WD	54630-4Z000	2
	2.4 AWD	54630-4Z100	2
Flange Nut-Self Locking	ALL	54559-28000	2
Coil Spring Compressor Tool	ALL	09546-26000*	1

*Note: Or aftermarket equivalent tool

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
2.0T 2WD Santa Fe Sport (AN)	71CA17R1	Replace Both Front Coil Springs and Alignment	2.6 M/H	54630-4Z200	A32	ZZ3
2.0T AWD Santa Fe Sport (AN)						
2.4 2WD Santa Fe Sport (AN)						
2.4 AWD Santa Fe Sport (AN)						

NOTE 1: Submit Claim on Campaign Claim Entry Screen
NOTE 2: If a part is found in need of replacement while performing Recall Campaign 167 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.

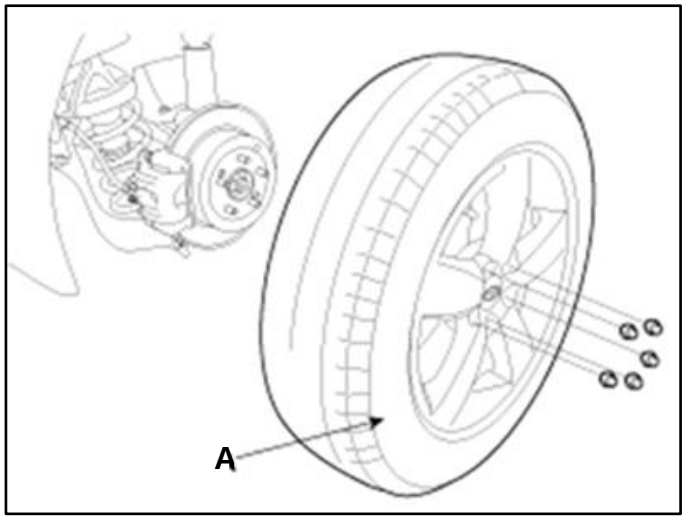
Service Procedure:

1. Remove both front wheel and tire assemblies (A) from the front hubs.

   Tightening torque:
   88.2 ~ 107.8 Nm (9.0 ~ 11.0 kgf.m, 65.0 ~ 79.5 lb-ft).

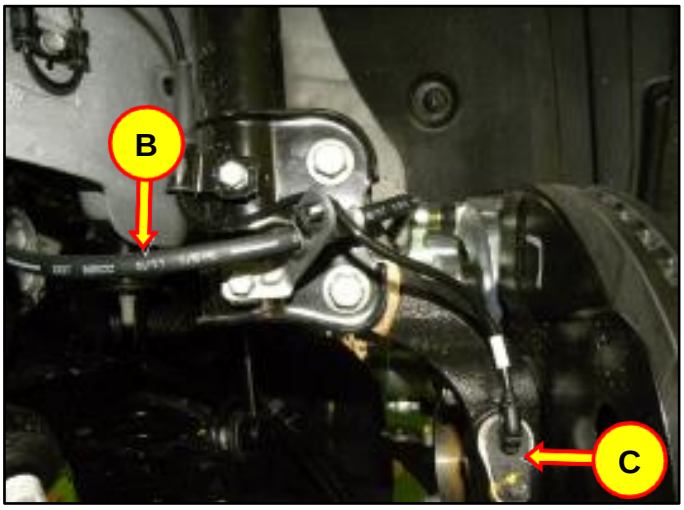
   ⚠ CAUTION

   Be careful not to damage the hub bolts when removing the front wheels.



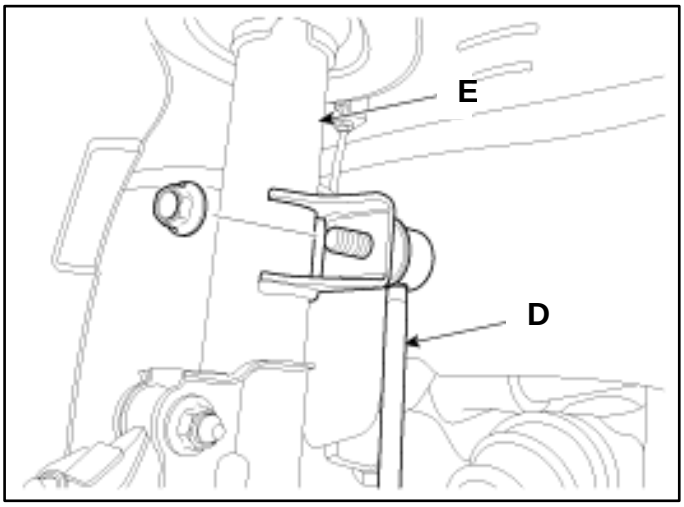
2. Remove the brake hose (B) & wheel speed sensor (C) from the front strut assembly by loosening the mounting bolts.

   Tightening torque:
   6.9 ~ 10.8 Nm (0.7 ~ 1.1 kgf.m, 5.1 ~ 8.0 lb-ft).



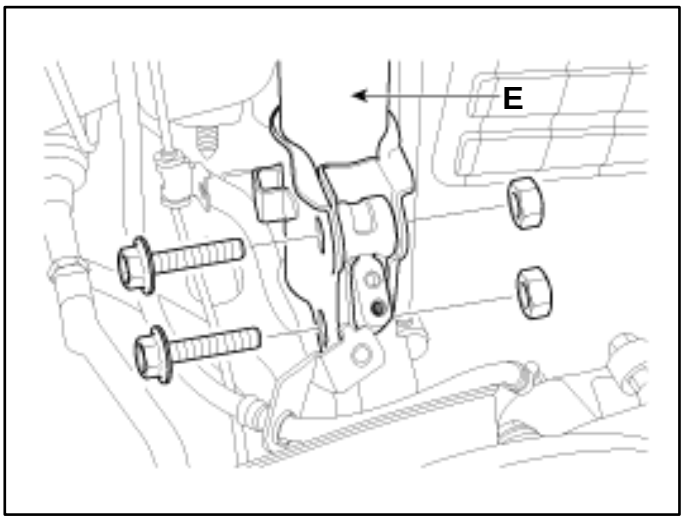
3. Disconnect the stabilizer link (D) from the front strut assembly (E) after loosening the nut.

   Tightening torque:
   98.1 ~ 117.7N.m (10.0 ~ 12.0kgf.m, 72.3 ~ 86.8lb-ft).

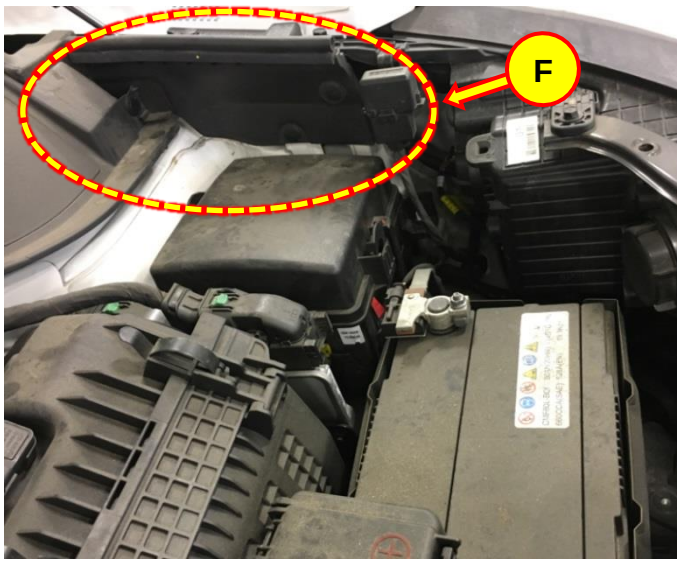


4. Disconnect the front strut assembly (E) from the knuckle by loosening and removing the bolts & nuts.

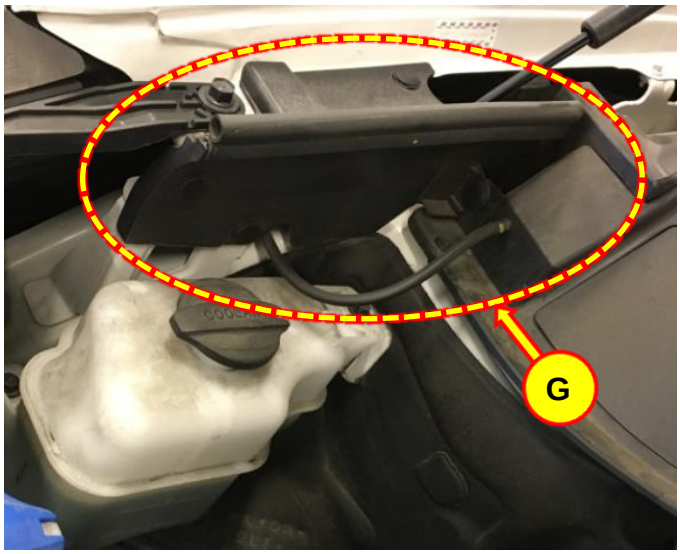
   Tightening torque:
   137.3 ~ 156.9N.m (14.0 ~ 16.0kgf.m, 101.3 ~ 115.7lb-ft).



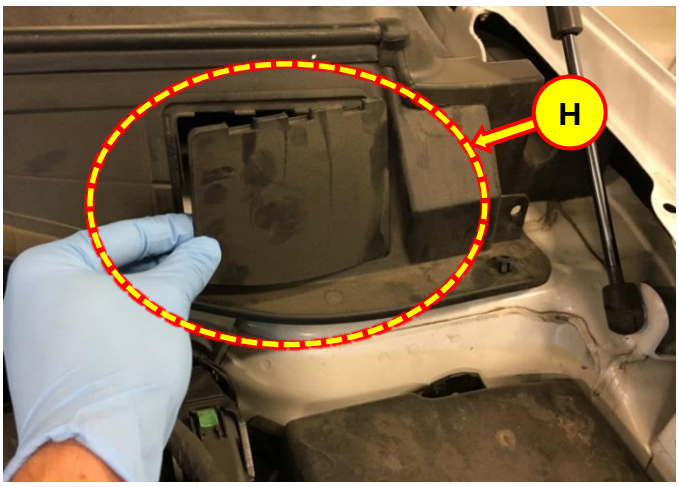
5. Remove the left hand side fender apron upper cover (F).



6. Remove the right hand side fender apron upper cover (G).

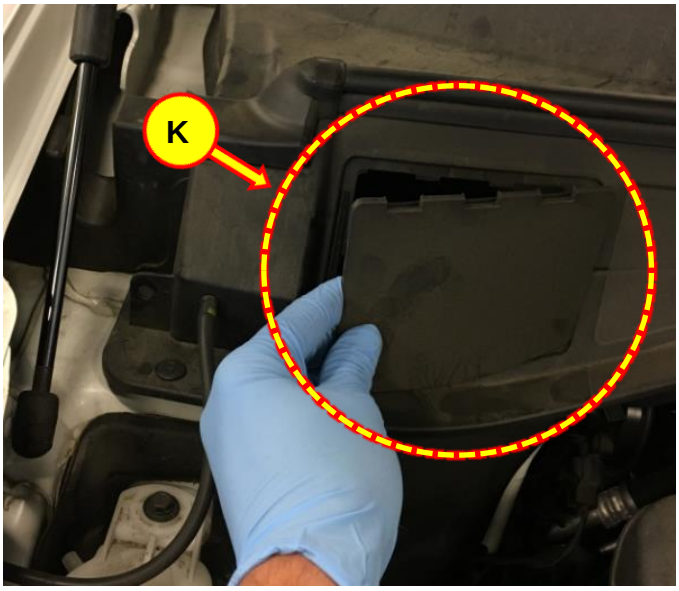


7. Remove the left hand side service cover (H).



8. Remove the left hand side mounting retainer (J) and pull the cowl top cover slightly to the side to allow access to the strut mounting nuts.

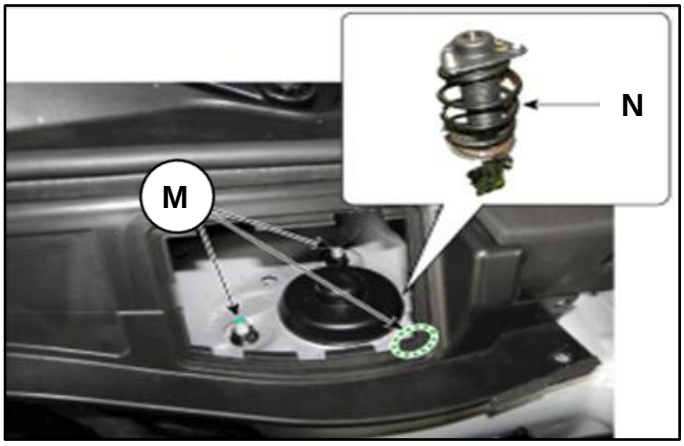
9. Remove the right hand side service cover (K).



10. Remove the right hand side mounting retainer (L) and pull the cowl top cover slightly to the side to allow access to the strut mounting nuts.

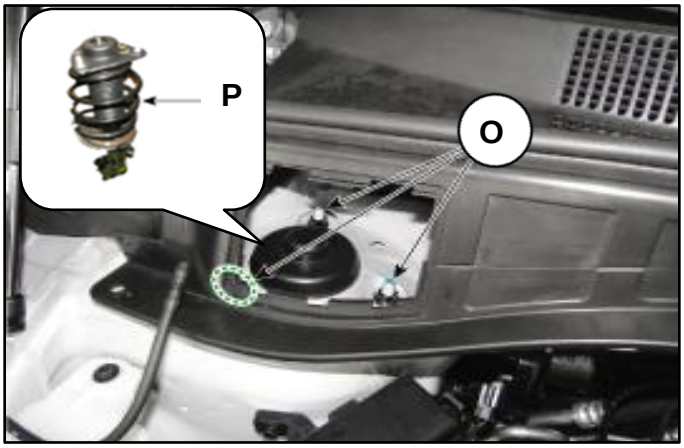
11. Loosen and remove the left hand side strut nuts (M). Remove the assembly (N).

Tightening torque:
53.9 ~ 73.5N.m (5.5 ~ 7.5kgf.m, 39.8 ~ 54.2lb-ft).



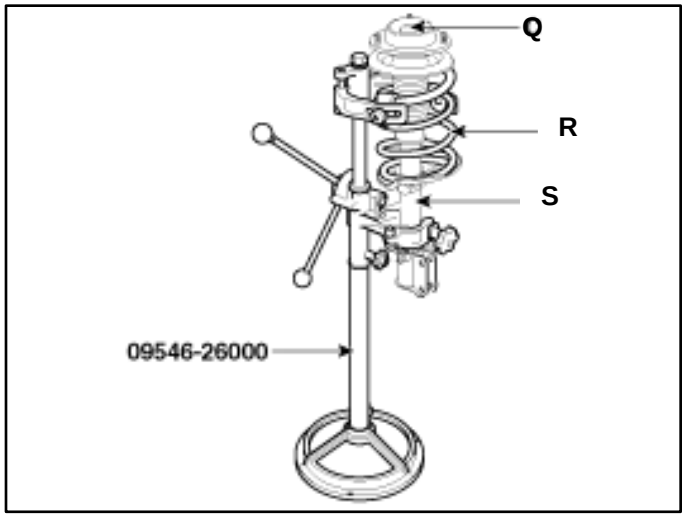
12. Loosen and remove the right hand side strut nuts (O). Remove the assembly (P).

Tightening torque:
53.9 ~ 73.5N.m (5.5 ~ 7.5kgf.m, 39.8 ~ 54.2lb-ft).



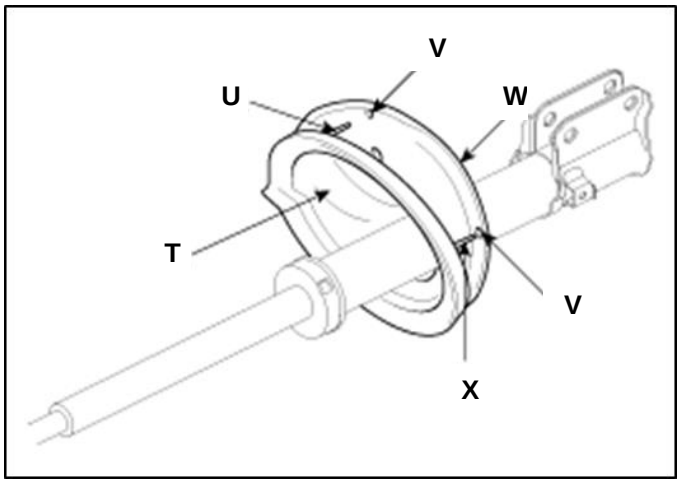
Front Strut Coil Spring Removal

1. Remove the dust cover (Q). Using the special tool (09546-26000), or equivalent, compress the coil spring (R). Remove the insulator and coil spring from the strut assembly.

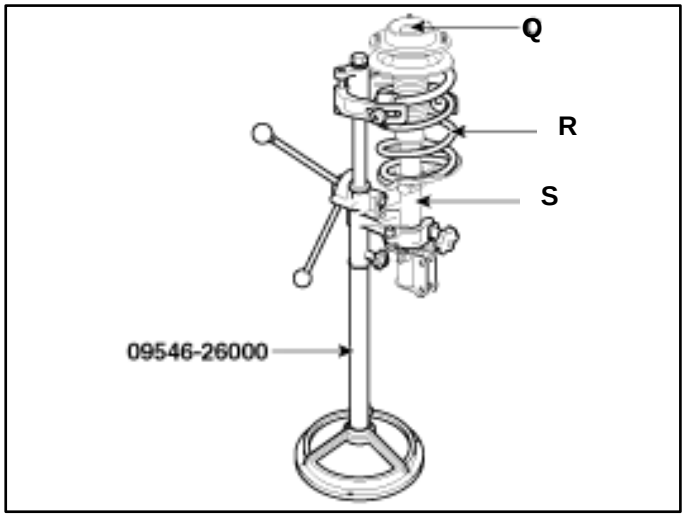


Install New Coil Spring

1. Ensure the lower spring pad (T) is aligned so that the protrusions (U) fit into the holes (V) in the spring lower seat (W).

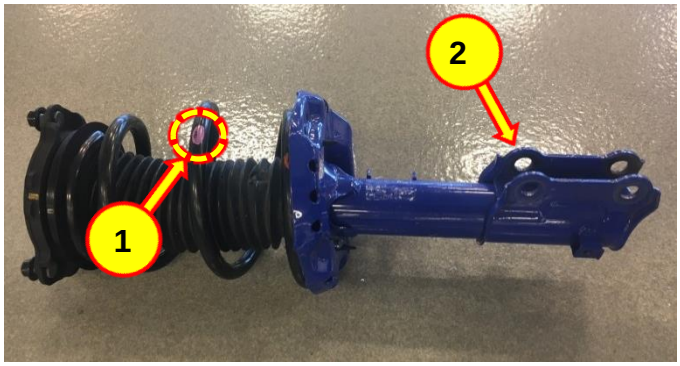


2. Install the new spring onto the strut and compress the new coil spring with special tool (09456-26000), or equivalent.



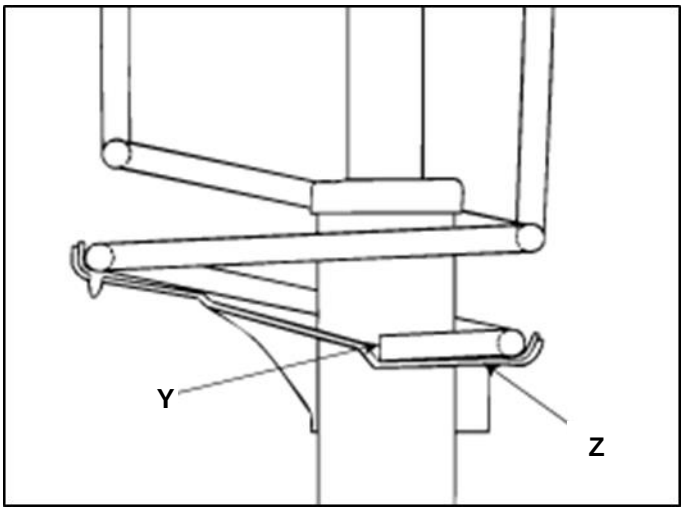
NOTICE

Indicated color identification marks are on the coil spring (1). Pay special attention to color identification marks, install coil spring with identification marks aligned towards the knuckle (2).



3 Fully extend the piston rod and install the spring upper seat and insulator assembly.

4. After seating the upper and lower ends of the coil spring (Y) in the upper and lower spring seat grooves (Z) correctly, tighten new self-locking nut (54559-28000) temporarily.



5. Remove the special tool (09546-26000), or equivalent.

6. Tighten the self-locking nut to the specified torque.

   Tightening torque:
   58.8 ~ 68.6N.m (6.0 ~ 7.0kgf.m, 43.4 ~ 50.6lb-ft).

Reinstall Strut Assembly on Vehicle

1. Install Strut Assembly in the reverse order of removal.

2. Check the front alignment.
   (Refer to Front Suspension System - "Front Alignment").