

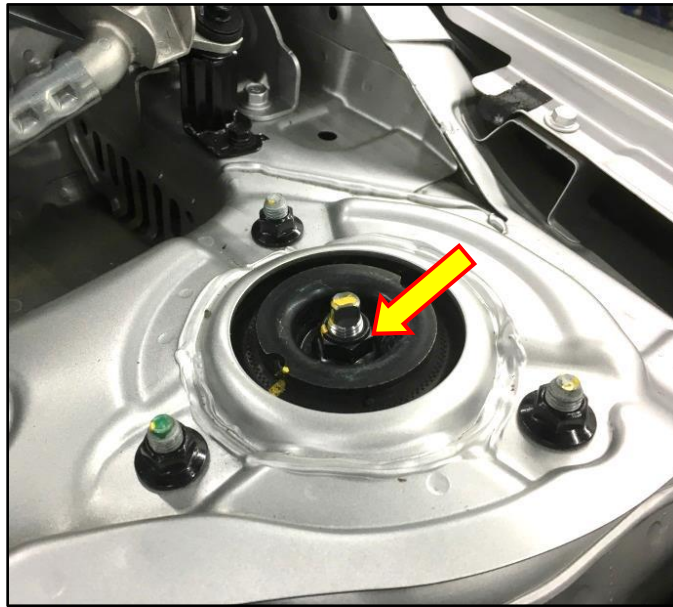


Technical Service Bulletin

GROUP SUSPENSION	NUMBER 17-SS-004
DATE OCTOBER, 2017	MODEL(S) Elantra (AD)

SUBJECT: UPPER SIDE FRONT STRUT NOISE

Description: On some Elantra (AD) vehicles, a noise may develop in the upper side of the front strut mount. There are no vehicle performance issues associated with the noise. This bulletin provides information on replacement of the front strut nut.



Applicable Vehicles:

- 2017 model year Elantra (AD, VINs starting with "KMHD" only), produced from AUG 24, 2015 to APR 15, 2016.


SUBJECT:

ELANTRA (AD) UPPER SIDE FRONT STRUT NOISE

Part Information:

Part Name	Part Number		Remark
	Previous (Nylon Insert Type)	New (Self-Locking Type)	
FRONT STRUT NUT			Each Vehicle Requires Two (2) Nuts
	54559-3S000	54559-1F000FFF	

Tool Information:

Tool Name	Part Number	Photo	Remark
SST: STRUT NUT REMOVAL & INSTALLATION TOOL	09546-3X100		An equivalent tool can be used to remove and install the strut nut.

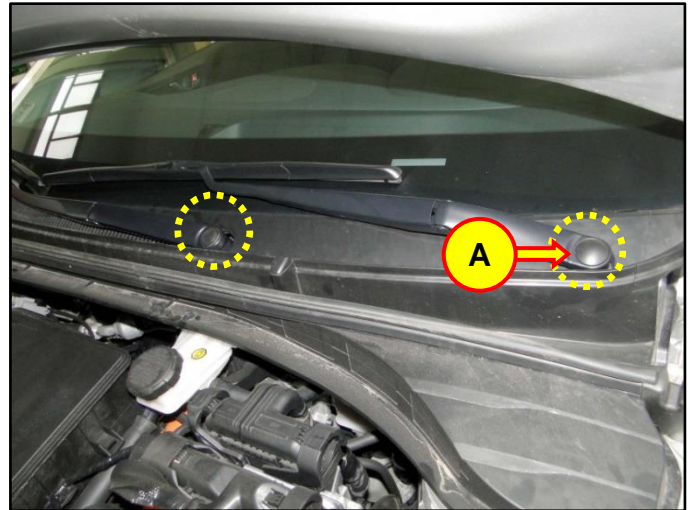
Note: The SST P/N 09546-3X100 can be ordered through Bosch at 1-866-539-4248.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature	Cause
Elantra (AD)	54559F00	FRONT STRUT NUT REPLACEMENT	0.4 M/H	54559-3S000	Q55	ZZ1

Service Procedure:

1. Remove both wiper arm plugs (A).

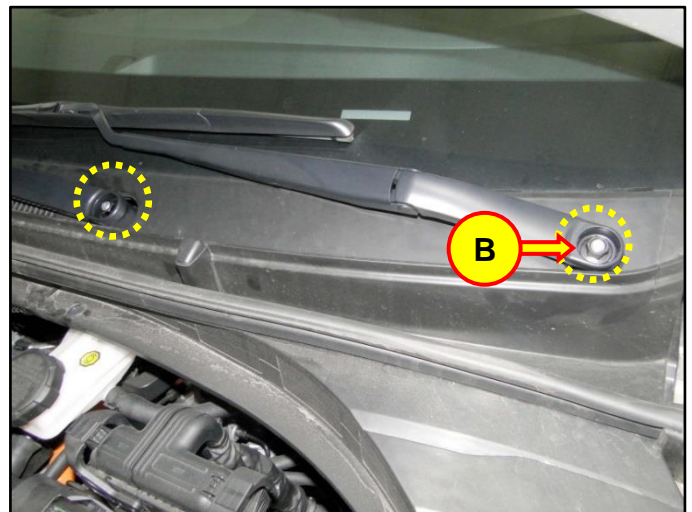


2. Remove both wiper arm mounting nuts (B).

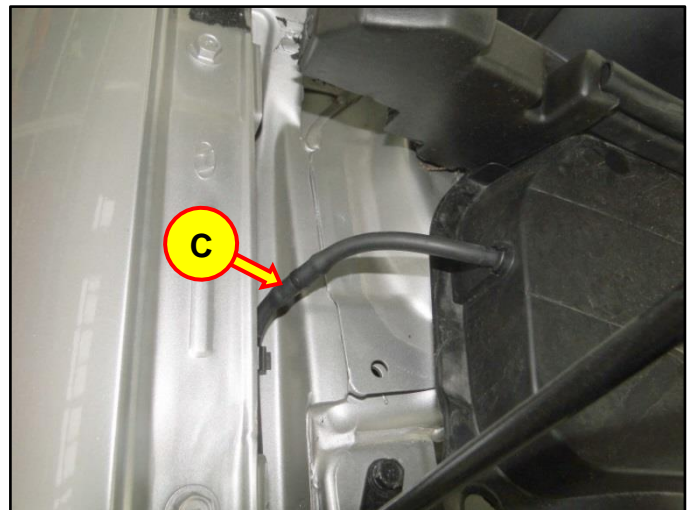
Tightening torque:

22.5 ~26.4 N.m(2.3 ~ 2.7 kgf.m, 16.6 ~ 19.5 lb-ft)

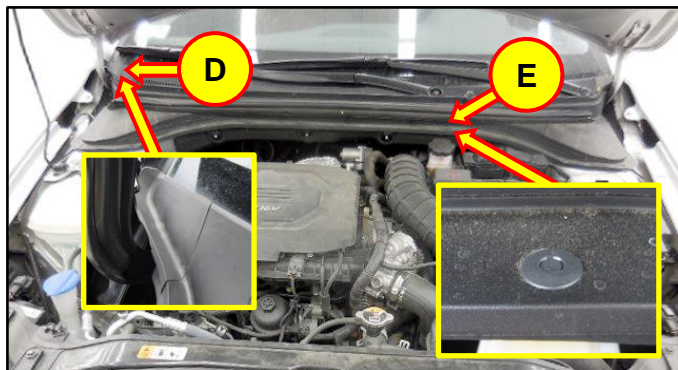
3. Remove both wiper arms.



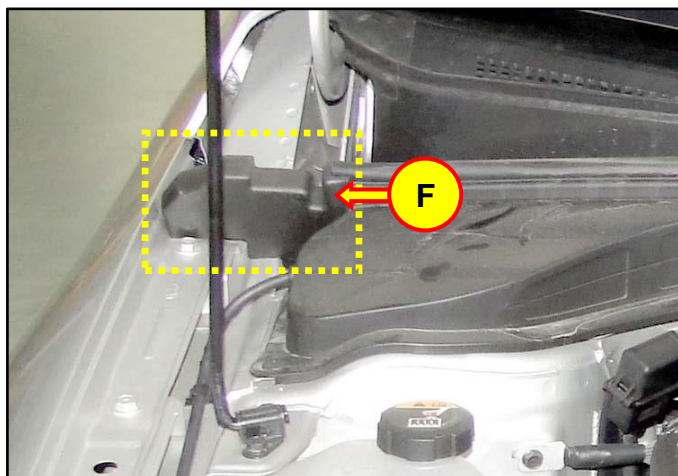
4. Disconnect the washer nozzle hose (C).



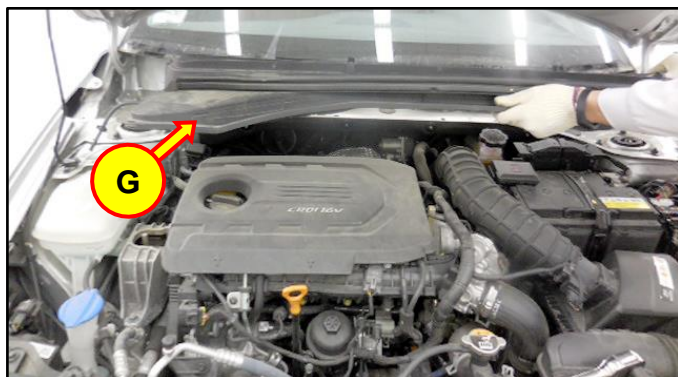
- 5. Remove the left and right cowl top, side covers (D).
- 6. Remove the four retaining clips (E) securing the cowl top.



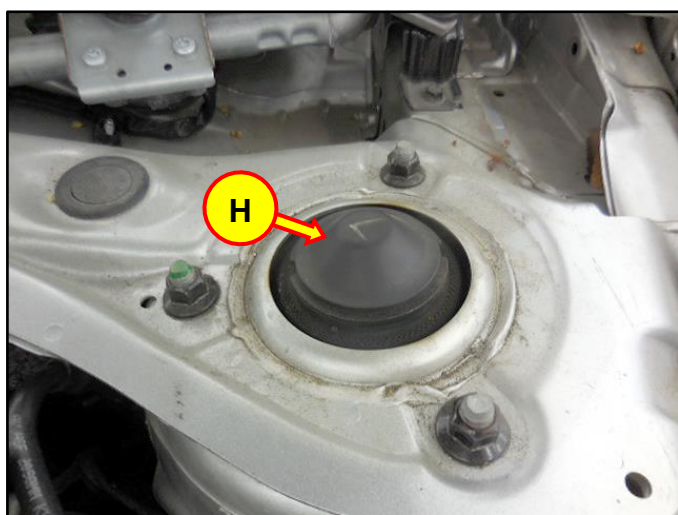
- 7. Remove the left and right cowl top side pad (F).



- 8. Remove the cowl top (G).



- 9. If applicable, remove the upper strut nut cover (H) from both sides.

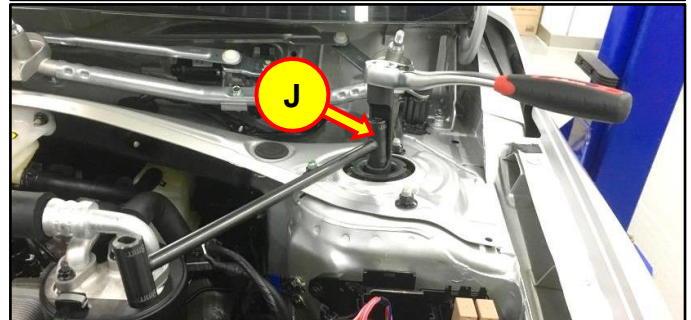
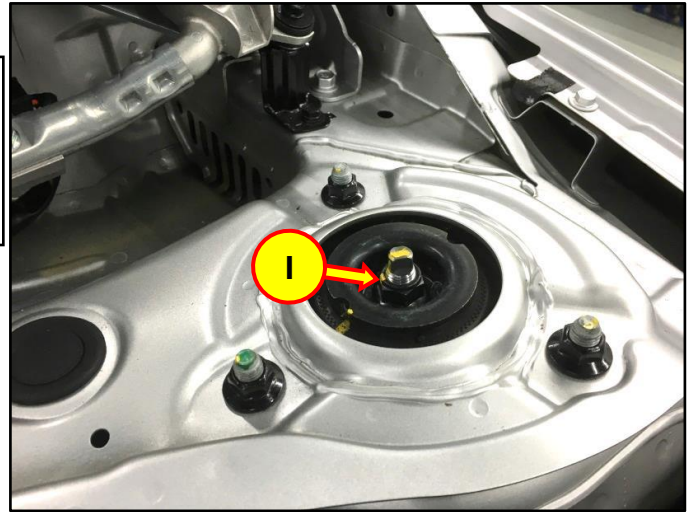


CAUTION

Do not use an impact tool when removing or installing the nut. Threads can be damaged. Always use the SST or equivalent and hand tools.

10. Remove the left and right strut nuts (I) using the SST P/N 09546-3X100 (J) or an equivalent tool.

Discard the nuts.



11. Install one (1) new strut nut on each side using the SST and a torque wrench.

Tightening torque:

98.0 ~ 107.8 N.m(10.0 ~ 11.0 kgf.m, 72.3 ~ 79.6 lb-ft)

12. Reinstall all removed parts in reverse order of removal.