



Technical Service Bulletin

GROUP RECALL	NUMBER 20-01-030H
DATE JULY, 2020	MODEL(S) SONATA (YF)

SUBJECT: 2013–2014MY SONATA (YF)
FUEL TUBE INSPECTION/REPLACEMENT (RECALL CAMPAIGN 189)

★ IMPORTANT

*** Retail Vehicles ***

Dealers must perform this Recall Campaign on all affected vehicles 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 Vehicle Information Screen (VIS) via WEBDCS to identify open Campaigns.

Description:

On certain 2013-2014MY Sonata vehicles, the fuel feed line connecting the low pressure fuel pump to the direct injection fuel pump could develop a small crack over time due to ambient heat in the engine compartment. A damaged fuel line could allow fuel to leak, increasing the risk of an engine compartment fire.




This bulletin describes the procedure to inspect the fuel feed line for damage and/or leakage and to replace the fuel tube if necessary or to otherwise improve the connection between the low-pressure fuel tube and fuel pump.



Applicable Vehicles:
Certain 2013-2014MY Sonata (YF)

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

SST Information:

Description	Part Number	Part Image	Comments
OIL TEST PAPER	SP045-07305		1 box contains 100 test strips
PET TAPE	U1915BK20C		30 vehicles per 1 roll
CABLE TIE			Sourced Locally

NOTE 1: The oil test paper is the same one currently in use for Recall 180. Your dealership may already have some on-hand. Please check before ordering additional.

NOTE 2: Three (3) rolls of PET Tape have been provided to all dealers.

NOTE 3: Additional oil test paper and PET Tape can be ordered through Bosch at 1-866-539-4248.

Part Information:

Engine	Part Name	Part Number	QTY	Comments
2.4	Fuel Feed Tube Assy	31310-3Q901QQH	1	Only required if fuel tube replacement is needed based on vehicle inspection. Refer to Inspection Procedure on Page 3.
2.0T		31310-3Q101QQH	1	

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Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Causal Code
Sonata (YF)	01DA19R0	Inspect & Tape	0.3 M/H	31310-3Q901QQH	B25	ZZ3
	01DA19R1	Inspect & Replace Fuel Feed Tube	1.6 M/H			

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part is found in need of replacement while performing Recall 189 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.

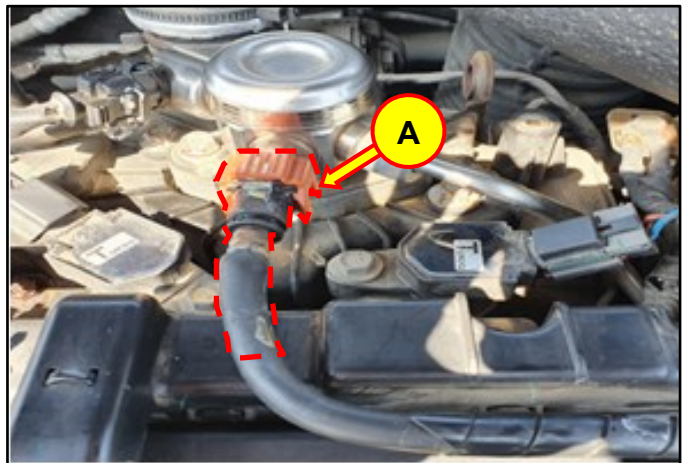
NOTE 3: Oil Test Paper will be reimbursed via sublet for both labor operations. PET Tape & cable tie will be reimbursed via sublet for labor op 01DA19R0 only.

Inspection Procedure:

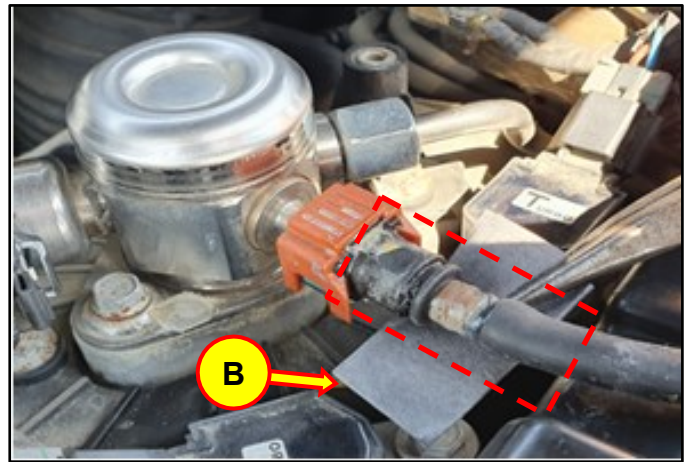
1. Remove Engine Cover.




2. Clean the area around the fuel feed tube connector (A).




3. **While the engine is idling:**
- i. Wipe the area around the fuel feed tube connector using the oil test paper (B).
 - ii. Check the area for any indication of fuel leakage or smell.



 **OK:**
If the oil test paper appearance does not change and if there is no indication of fuel leakage/smell, proceed to step 4.

 **OK**



 **NOT OK:**
If the oil test paper becomes darker or if there is indication of fuel leakage/smell, follow the fuel tube replacement procedure on Page 7.

 **NOT OK**



4. Visually inspect the fuel tube for any damage.

If damage is found, follow the replacement procedure on Page 7.

If NO damage is found, proceed to Taping procedure on Page 5.

Taping Procedure :

1. Record the vehicle's audio presets, then disconnect the negative (-) battery cable.

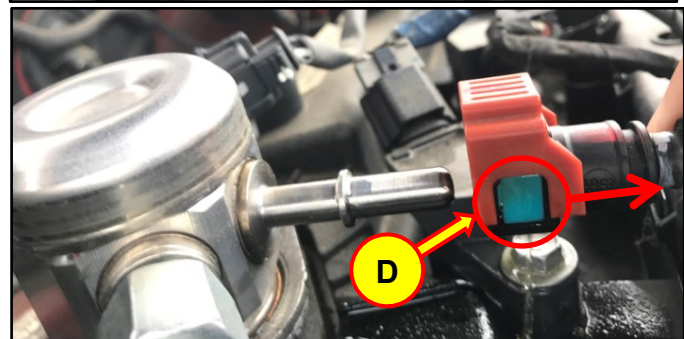
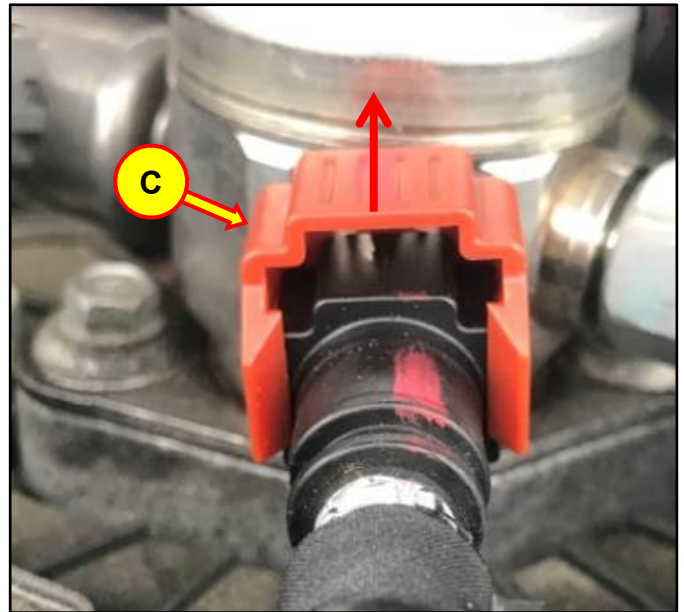
NOTICE

NOTE: Wait at least 30 seconds before proceeding with any of the following procedures.

2. Disconnect the fuel feed tube connector:
 - i. Disengage the lock by pulling up on the tab (C).
 - ii. Pull away the connector while squeezing the tabs (D) on both sides of the fuel line.

CAUTION

Fuel line may still be pressurized, disconnect the fuel feed connector with caution.



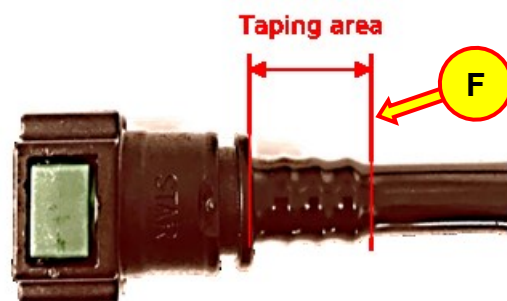
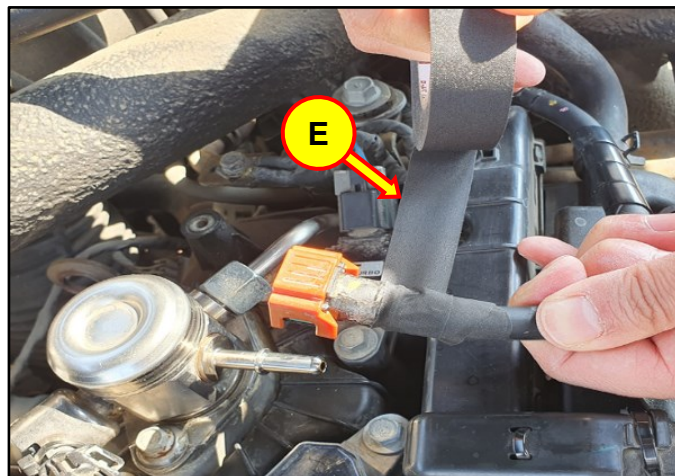
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3. Using PET tape (E), wrap tightly around the marked taping area (F) at least 10 times.

PET tape should cover the entire taping area.

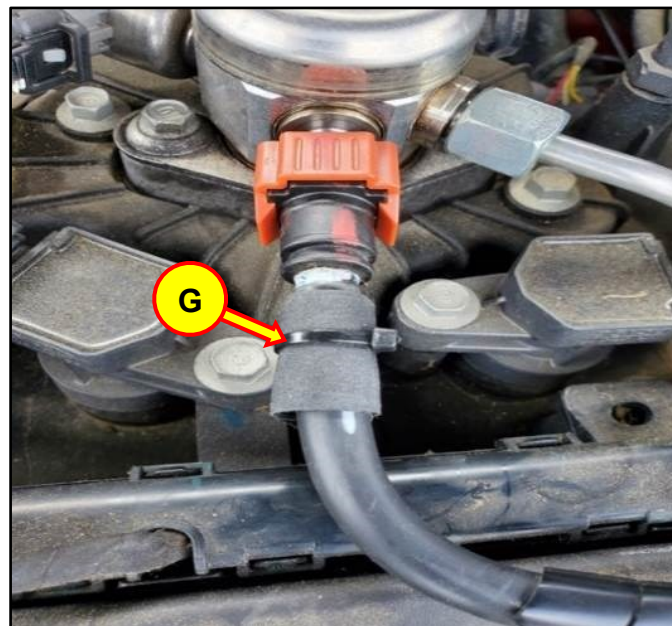
NOTICE

NOTE: Please wrap PET tape tightly around the tube to ensure proper adhesion when applied.



4. Using a cable tie (G), wrap around the taped area and fasten.

Cut the excess of the cable tie and reconnect the fuel feed tube connector.



5. Reinstall all removed parts in the reverse order of removal. Reconnect the negative (-) battery cable and reprogram vehicle's audio presets.

Replacement Procedure :

1. Record the vehicle's audio presets, then disconnect the negative (-) battery cable.

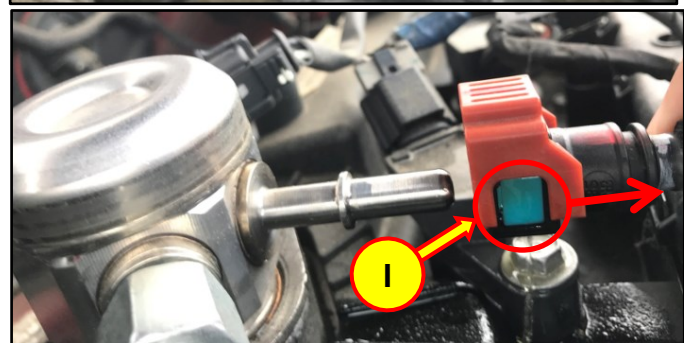
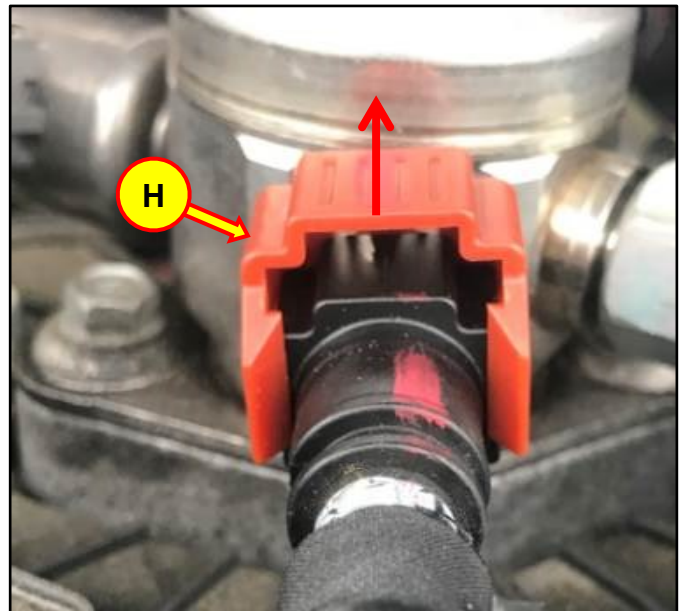
NOTICE

NOTE: Wait at least 30 seconds before proceeding with any of the following procedures.

2. Disconnect the fuel feed tube connector:
 - i. Disengage the lock by pulling up on the tab (H).
 - ii. Pull away the connector while squeezing the tabs (I) on both sides of the low-pressure fuel line.

CAUTION

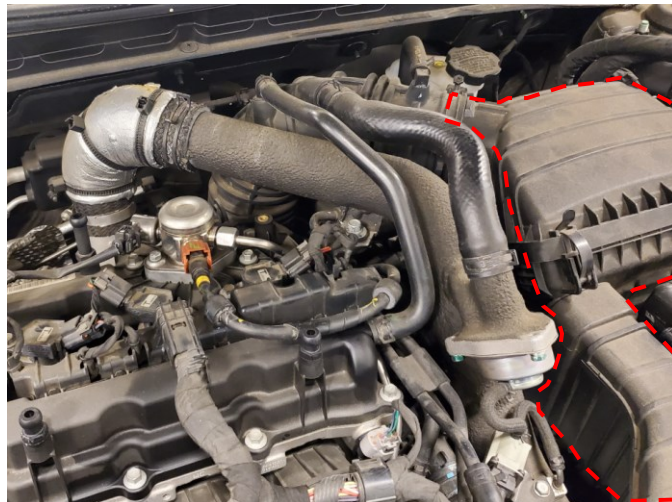
Fuel line may still be pressurized, disconnect the fuel feed connector with caution.



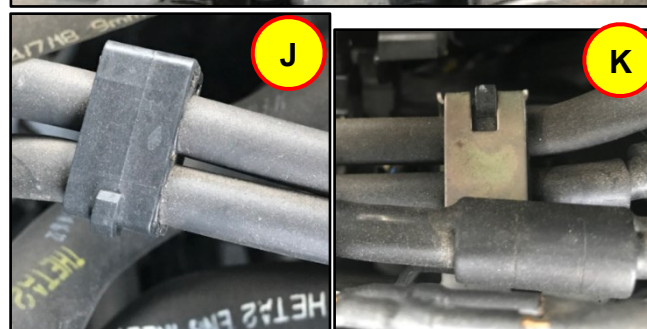
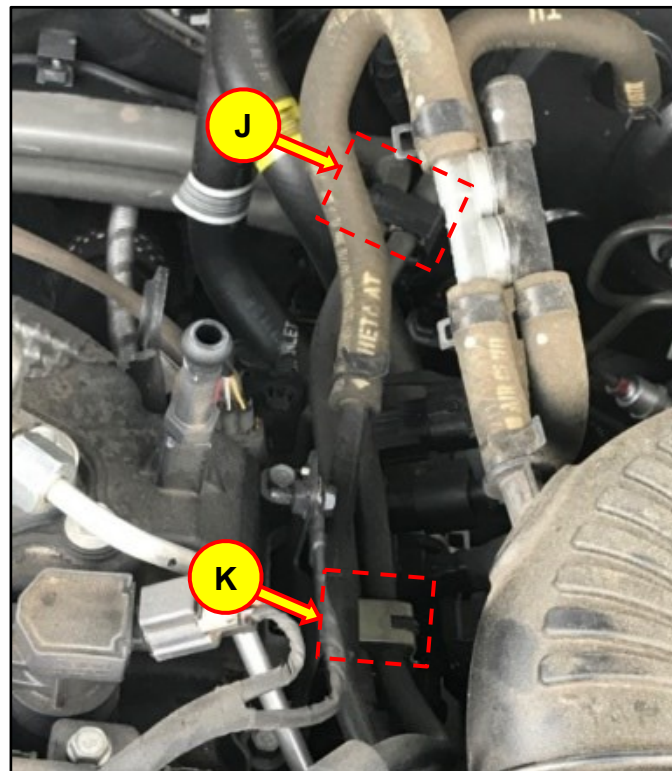
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3. **For 2.0L Turbo vehicles,** remove air intake and air ducting according to the applicable vehicle shop manual.

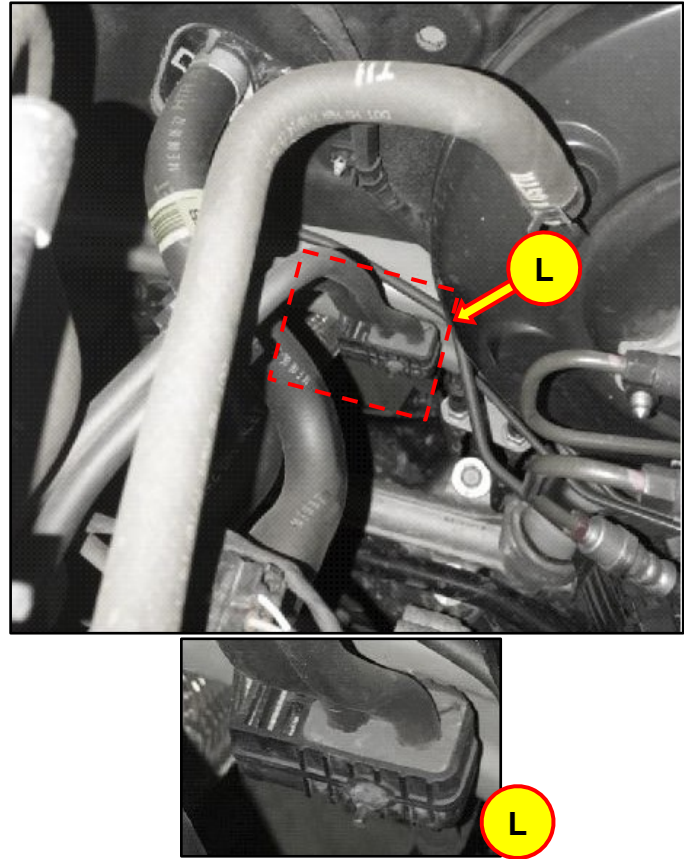
For 2.4L vehicles, skip to Step 4.



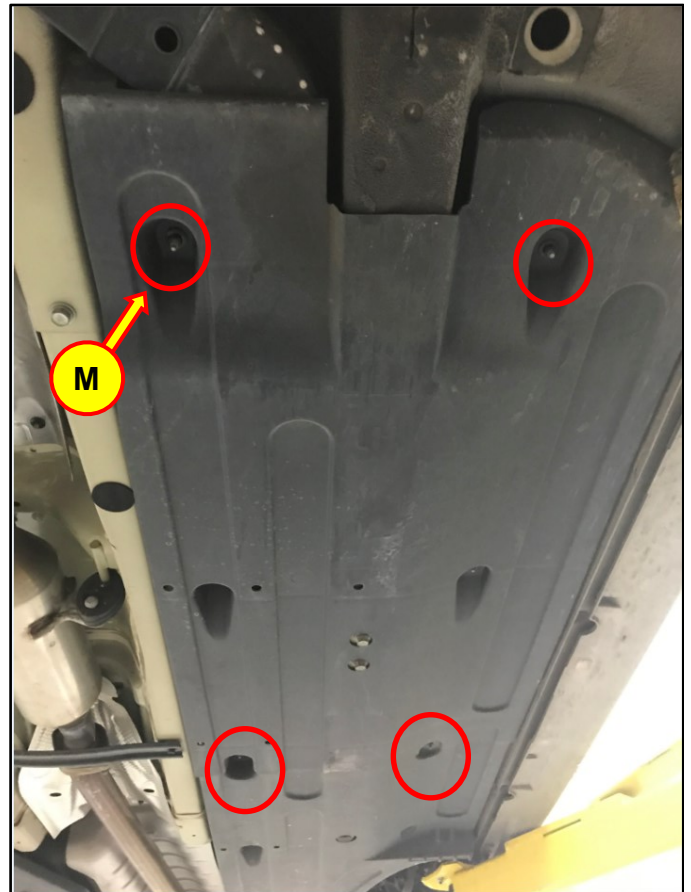
4. Uninstall two bundle clips (J) & (K) located next to the engine to separate the low-pressure fuel line.



5. Disengage the bundle clip (L) attached on the firewall.

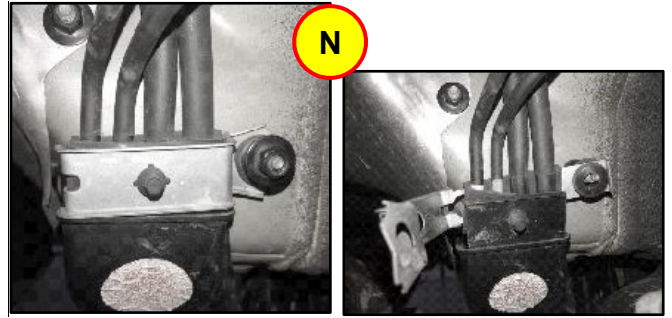


6. Uninstall the lower left hand body cover by removing four nuts (M).

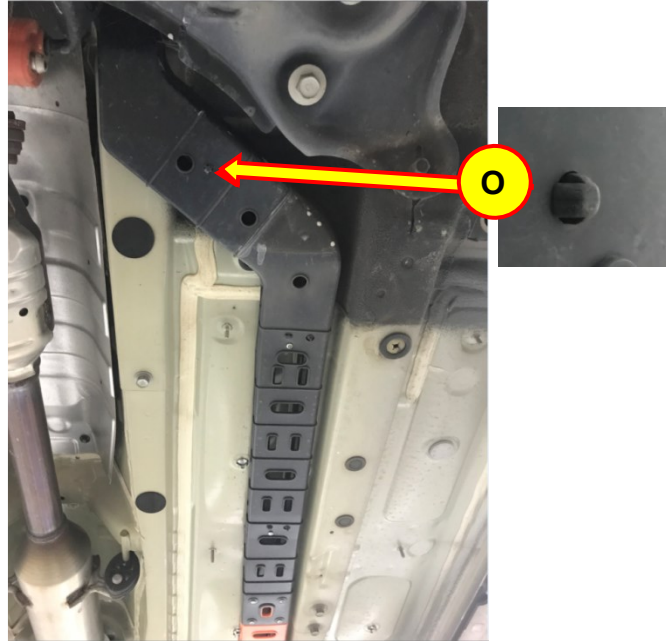


7. Disengage the bundle clip (N) attached on the firewall.

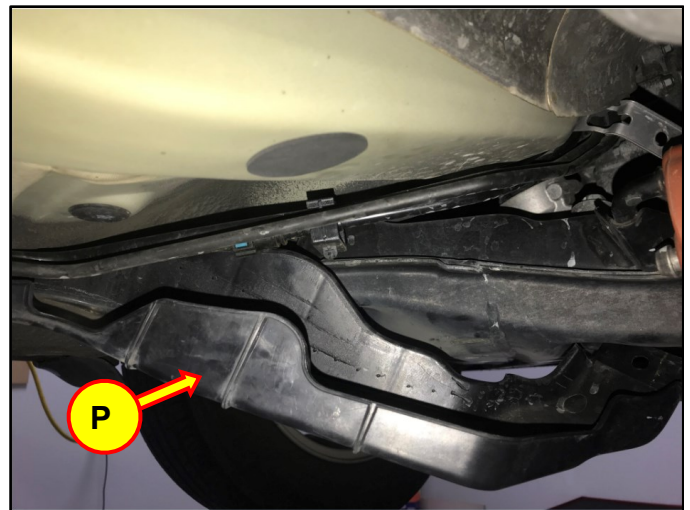
The nut on the bundle clip (N) will need to be removed to open the metal retainer.



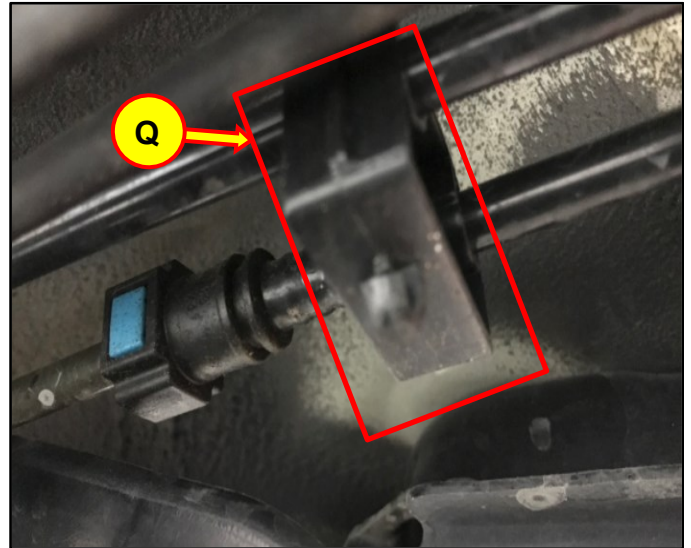
8. Push the center retaining clip (O) through in order to release the line guard.



9. Pull the front half of the line guard (P) down.



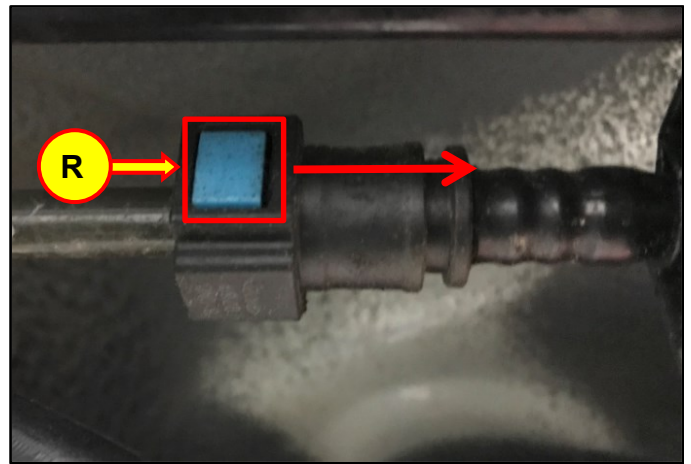
10. Release the low-pressure fuel line from the bundle clip (Q).



11. Disconnect the low-pressure fuel line connector by pulling while squeezing the blue tabs (R) on both sides.

⚠ CAUTION

Fuel may leak out, once line is disconnected.



12. Install a new fuel feed tube assembly and reinstall all removed parts in the reverse order of removal. Reconnect the negative (-) battery cable and reprogram vehicle's audio presets.