



GROUP
ELE

MODEL
2018-2019MY
Niro (DE PHEV)

NUMBER
161 (Rev 1, 09/16/2019)

DATE
December 2018

TECHNICAL SERVICE BULLETIN

SUBJECT: COMBINATION TSB / SERVICE ACTION: COOLANT
LEAK – OBC INLET HOSE DETACHING (SA365)

★ NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides the procedure to install an onboard charger (OBC) quick disconnect spacer on some 2018-2019MY Niro (DE PHEV) vehicles, produced from March 21, 2018 through August 22, 2018, which may experience the OBC coolant inlet hose detaching. If detached, the following Hybrid System/Refill Inverter Coolant Warning(s) and/or HV DTCs may set: P0A93, P0A3C, and/or P0A3E. Follow the procedure in this bulletin to install a spacer at the OBC coolant inlet hose. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

DTCs:

P0A93: Inverter 'A' Cooling System Performance

P0A3C: Drive Motor 'A' Inverter Over Temp

P0A3E: Generator Inverter Over Temp

For vehicles not on the Affected Vehicles list, but still experiencing the issue described above, perform the procedure outlined in this bulletin and submit a warranty claim per "customer concern" (Standard TSB) claim information on page 5.

★ NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

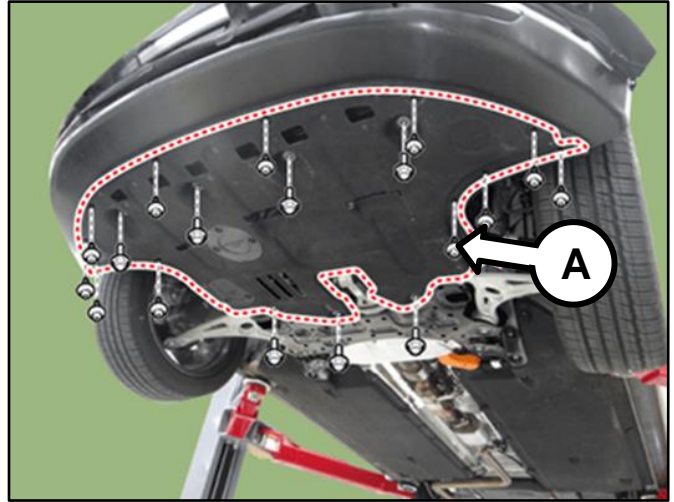
This issue number is SA365.

File Under: <Electrical>

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

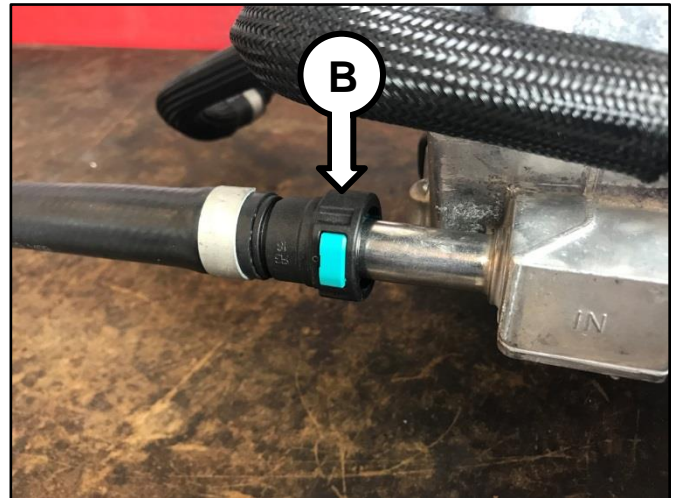
Service Procedure:

1. With the vehicle raised on a lift, remove the engine under cover (A).



2. Ensure the OBC inlet hose (B) is fully installed.

[Click here for a video tutorial of the OBC inlet hose spacer installation.](#)



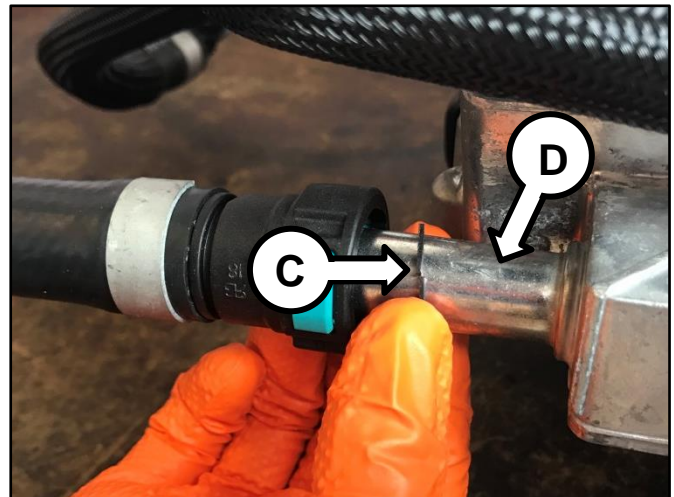
OBC assembly and inlet hose removed from vehicle for demonstration purposes only.

3. Carefully spread and install the spacer (C) over the pipe (D), as shown.

Note: Spacer is not directional.

*** IMPORTANT**

Be careful not to spread the spacer (C) too much as it may crack.



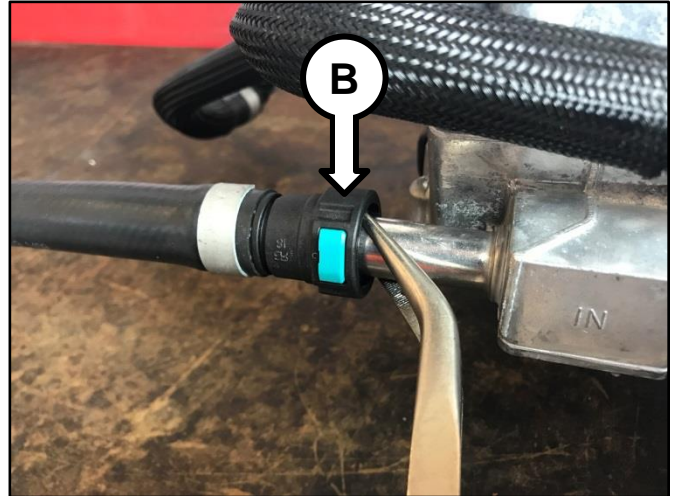
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4. Using needle nose pliers, carefully push the spacer (C) into the inlet hose (B) while slightly rotating the hose side to side until the spacer (C) is seated behind the light blue notch (D).

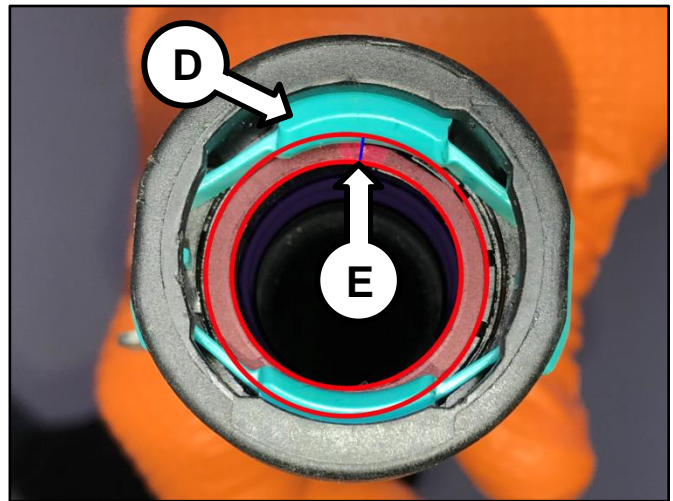
* IMPORTANT

Be careful not to damage or crack the spacer when installing it into the hose.



* IMPORTANT

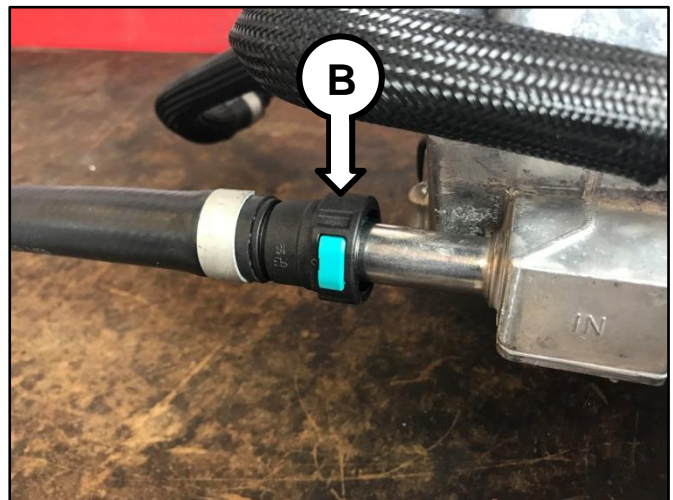
Ensure the spacer is seated behind the notch (D). The spit (marked in blue) of the spacer (E) should be behind the center of the notch as shown.



5. Firmly pull on the OBC inlet hose (B) and ensure it is fully installed and latched.

* NOTICE

Do NOT fully disconnect the OBC inlet hose (B). If it detaches, quickly reinstall to prevent coolant loss.



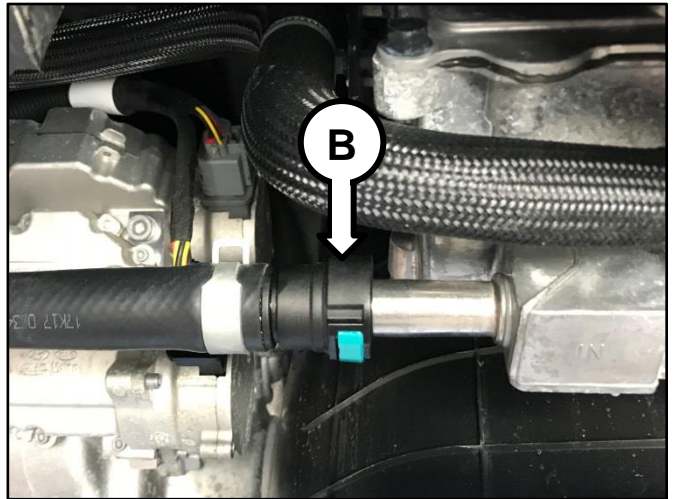
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6. Top off the coolant level and perform the bleeding procedure by referring to the “Hybrid Motor System → Coolant (Inverter) → Repair procedures” chapter in the applicable Shop Manual on KGIS.



7. Ensure there is no further coolant leak at the OBC inlet hose (B) area and reinstall the engine under cover.



8. Verify proper operation of the vehicle.


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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Niro (DE P/HEV)	March 21, 2018 through August 22, 2018

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
OBC Inlet Hose Spacer	36499 2B015QQK (SA365)		1
	36499 2B015FFF (ELE161)		

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	36400 2B015	0	OBC Inlet Hose Inspection & Spacer Installation	180117R1	0.3 M/H	36499 2B015QQK	1
V	36400 2B015	0	OBC Inlet Hose Inspection, Spacer Installation & Coolant Bleed	180117R0	0.4 M/H	36499 2B015QQK	1

Note: Use sublet code 'X1' with a maximum allowed amount of \$7.00 reimbursement for topping off HV coolant.

* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA365 when accessing the WebDCS system.

STANDARD WARRANTY CLAIM INFORMATION:

Use this information only to file a warranty claim for vehicles for which:

1. A customer complains of the same concern, as described on Page 1.
2. The VIN does not appear on the Affected Vehicles list for Service Action 365.
3. The vehicle model year and production date range are as identified in this bulletin.

N Code: B22 C Code: ZZ7

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	36400 2B015	0	OBC Inlet Hose Inspection, Spacer Installation & Coolant Bleed	36499F02	0.4 M/H	36499 2B015FFF	1

Note: Use sublet code 'X1' with a maximum allowed amount of \$7.00 reimbursement for topping off HV coolant.