	GROUP ELE	MODEL 2017-2018MY Niro (P/HEV)
	NUMBER 146	DATE May 2018
<b>TECHNICAL SERVICE BULLETIN</b>		
SUBJECT: SERVICE ACTION: FRONT WIRING HARNESS SECURING AND/OR REPAIR (SA343)		

This bulletin provides information to secure and/or repair the front wire harness on some 2017-2018MY Niro (DE P/HEV) vehicles, produced from November 1, 2016 through April 26, 2018, which may exhibit a dash warning light(s) ON while driving, due to interference or damage from the harness rubbing against the lower steering shaft universal joint. Kia is requesting the completion of this Service Action on all affected vehicles prior to delivery. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



**\* 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.

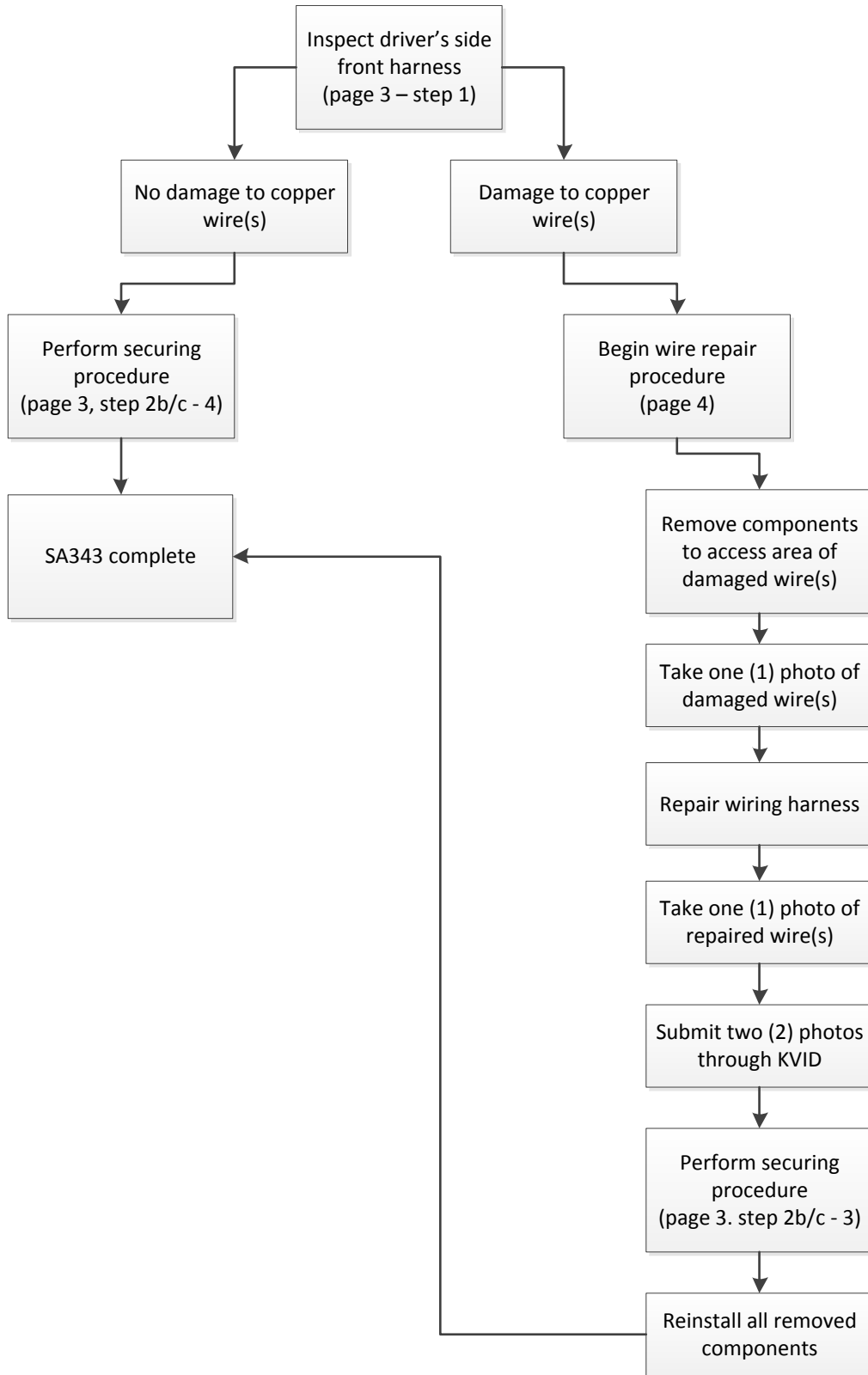
This issue number is SA343.

File Under: <Electrical>

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

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SA343 Flow Chart



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## SERVICE ACTION: FRONT WIRING HARNESS SECURING AND/OR REPAIR (SA343)

### Inspection and Securing Procedure:

1. Locate the front cabin wiring harness interference area with the lower steering universal joint, shown above the brake pedal. Thoroughly inspect the wire harness for damage.

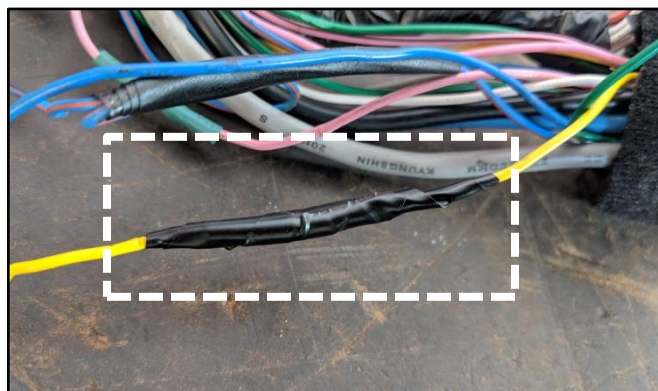


- 2a. If any individual wire(s) is damaged, (broken copper or split) then skip to the **“Wire Repair Procedure”** on page 4.



- 2b. If only insulation damage is found and no wire(s) require repair/reconnecting, wrap each wire in electrical tape first, followed by the knitting tape procedure in step 2c.

(Harness removed from vehicle in photo for demonstration purposes only.)



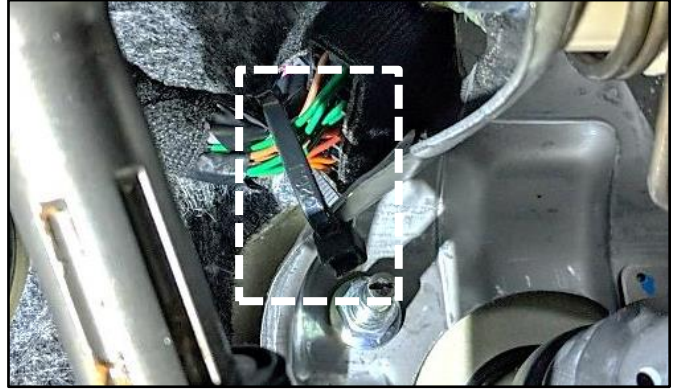
- 2c. If there is no damage to harness: Wrap and adhere the knitting tape around the wiring harness interference area as shown.



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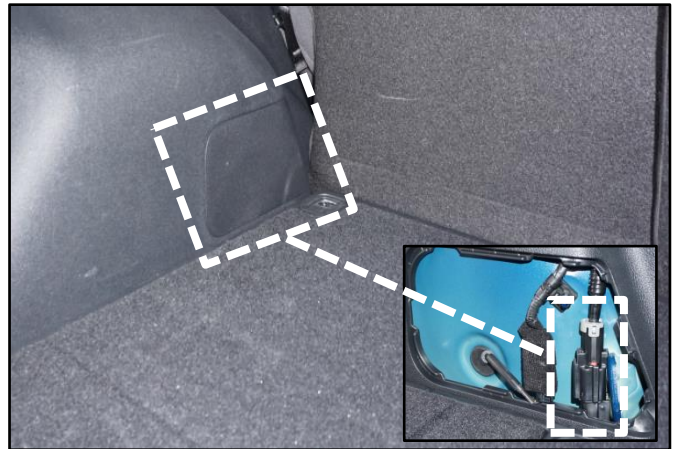
- Secure the wiring harness to the hole located on the brake pedal bracket with a plastic cable tie (zip-tie) as shown. Clip the remaining end off from the cable tie and discard. **NOTE: harness should not make contact with brake pedal bracket.**



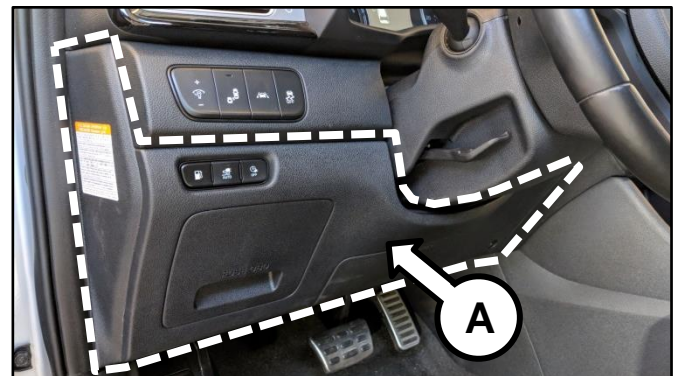
- Start the engine (ON/Ready Mode) and confirm no warning lamp(s) is illuminated. No further action is required.

### Wire Repair Procedure:

- Disconnect the 12V battery ground cable connector (BB01/HEV or battery ground /PHEV), located in the left hand cargo area (HEV shown), and wait three (3) minutes before proceeding to the next step.



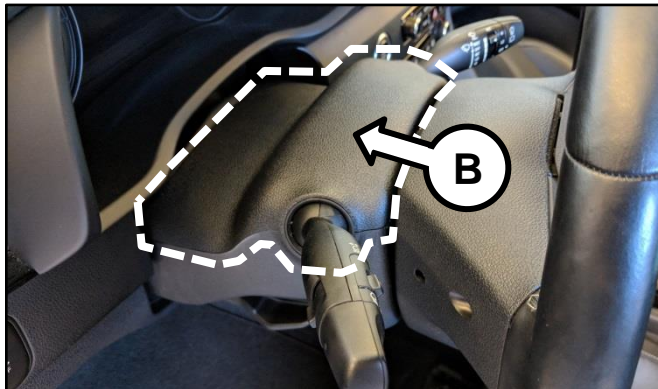
- Remove the left, driver's side lower crash pad (A) by referring to the "Body (Interior and Exterior) → Crash Pad → Crash Pad Lower Panel → Repair procedures" chapter in the applicable Shop Manual on KGIS.



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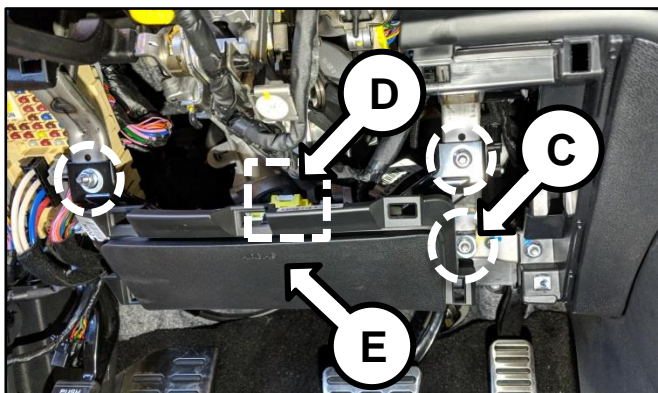
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- Remove the steering column shroud upper panel (B).

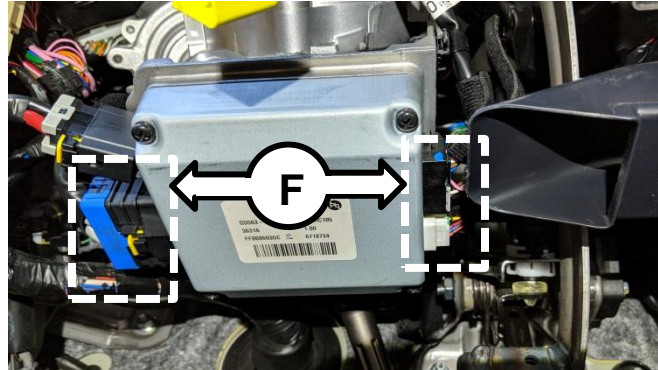


- Remove the three (3) air bag retaining nuts (C) and connector (D) to remove the knee air bag (E).

**Torque specification for nut (C).**  
**5.8 – 8.7 lb. ft. (7.8 – 11.8 N.m,**  
**0.8 – 1.2 kgf.m)**

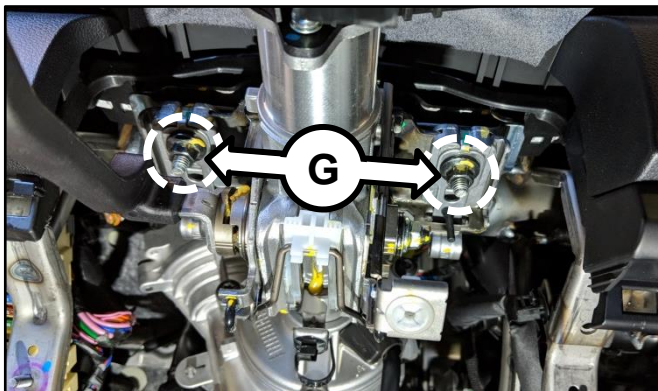


- Disconnect the MDPS ECU connectors (F) located on both sides of the ECU.



- Remove the two (2) front steering column retaining nuts (G).

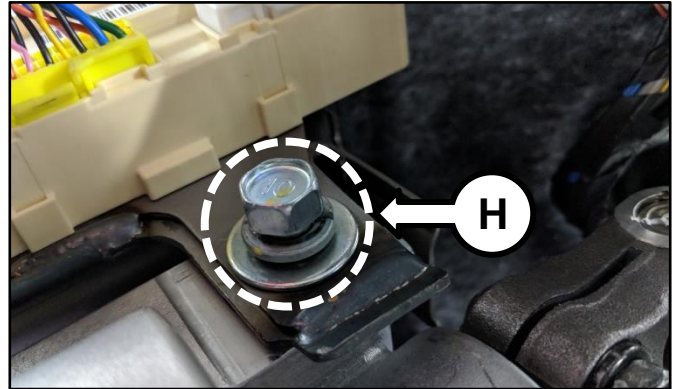
**Torque specification for nut (G).**  
**18.1 – 21.7 lb. ft. (24.5 – 29.4 N.m,**  
**2.5 – 3.0 kgf.m)**



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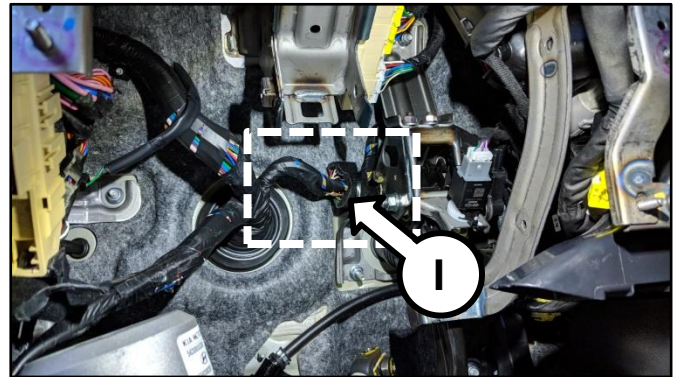
- Remove the rear steering column retaining bolt (H) and carefully lower the steering column assembly down to the floor board.

**Torque specification for bolt (H).  
39.8 – 43.4 lb. ft. (53.9 – 58.8 N.m,  
5.5 – 6.0 kgf.m)**



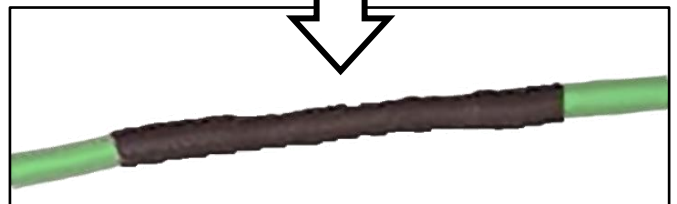
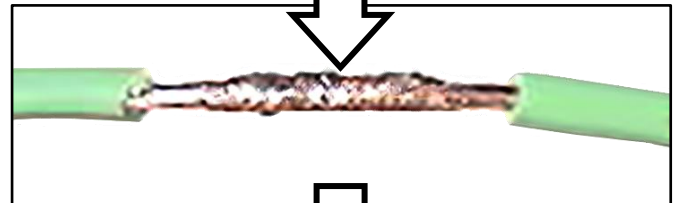
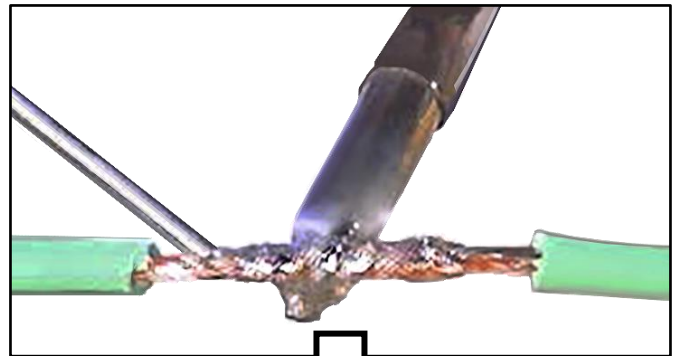
- Ensure enough space is available to access and repair the damaged front harness (I).

**Requirement:** Take one (1) KVID photo showing the damaged copper wire(s).



- Refer to the procedure outlined on [TB023 Technician Basics](#) on KGIS to solder two (2) wires together using 60-40 rosin-core solder and repair damaged copper wires.

**Requirement:** Take one (1) KVID photo showing the copper wire(s) repaired with shrink sleeving.

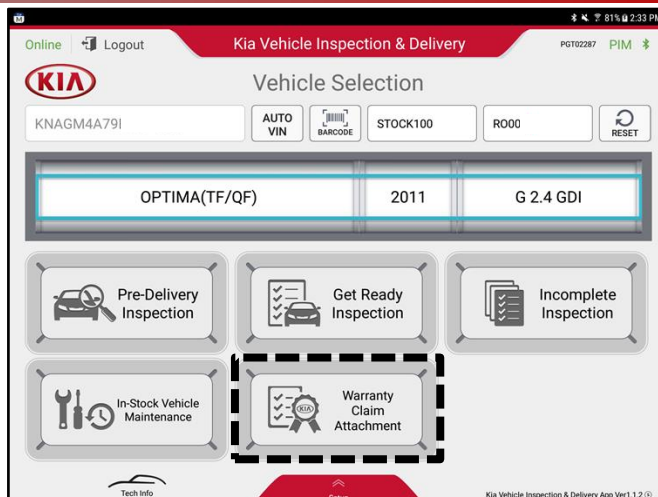


**\* NOTICE**  
Reference the Wire Repair Kit II  
P/N TKL04-A0000, Box H for  
shrink sleeve P/N TKL04-A4901,  
or equivalent.

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10. Using the Warranty Claim Attachment feature on KVID, submit the two (2) photos (attachment type: "XX: Other" in WebDCS / Two / 2 total pictures – Damaged & Repaired).



11. Refer back to "Inspection and Securing Procedure" outline on page 2, steps 2c through step 3, to complete the wrapping and securing of the front harness.
12. Reinstall all removed parts in the reverse order of removal.
13. Start the engine (ON/Ready Mode) and confirm no warning lamp(s) is illuminated.

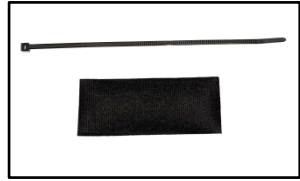
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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Niro (DE P/HEV)	November 1, 2016 through April 26, 2018

REQUIRED PART:

Part Name	Part Number	Figure
Front Wire Securing Kit	91200 G5000QQK	

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	91210 G5011	0	(SA343) Inspection and Securing of Front Wiring Harness	180024R0	0.3 M/H	91200 G5000QQK	1

WIRE HARNESS REPAIR WARRANTY INFORMATION:

**N Code: I11 C Code: Z33**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W*	Use Harness Part No. by using VIN Look-up on EPC	0	Repair of Front Wiring Harness	91001A00 Requires 2 KVID image attachments	0.9 M/H	N/A	0

**\*See LTS for standard wire harness repair and claim separately.****\* NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA343** when accessing the WebDCS system.