



GROUP
Safety Recall

MODEL
2017MY
Niro (DE)

NUMBER
SC145 (Rev 1, 4/11/2017)

DATE
April 2017

SAFETY RECALL CAMPAIGN

SUBJECT: MOTOR DRIVEN POWER STEERING (MDPS)
MOTOR REPLACEMENT (SC145)

★ 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 procedures for the replacement of the Motor Driven Power Steering (MDPS) motor on some 2017MY Niro (DE) vehicles, produced from December 23, 2016 through January 11, 2017. The MDPS connector may have been damaged during assembly at the supplier preventing a proper connection to the Electronic Control Unit (ECU). If this condition exists, the Electronic Power Steering (EPS) warning light will illuminate, and a subsequent loss of power steering assist may occur. Loss of power steering assist would require higher steering effort, especially at lower speeds, which may increase the risk of a crash. To correct this concern, follow the procedure outlined in this bulletin to replace the MDPS motor. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



★ NOTICE

There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.

File Under: <Safety Recall>

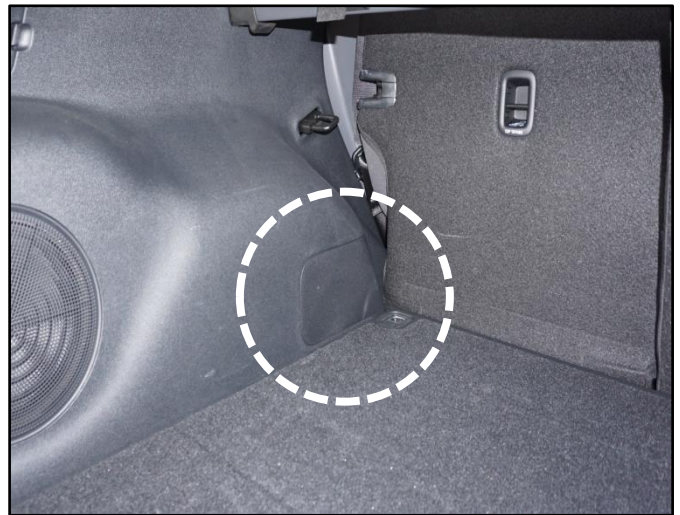
Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

*** NOTICE**

To ensure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

Service Procedure

1. Record the customer's radio presets.
2. Open the hatchback.
3. Locate the battery connection cover.



4. Remove the cover using a trim removal tool.

*** NOTICE**

Use a non-marring trim removal tool (Such as Snap-on® Part Number PBN5 or equivalent).



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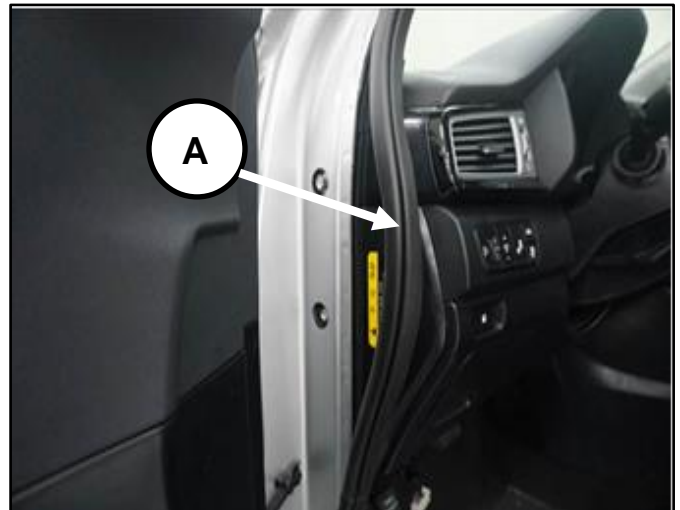
5. Disconnect the negative (-) battery cable.



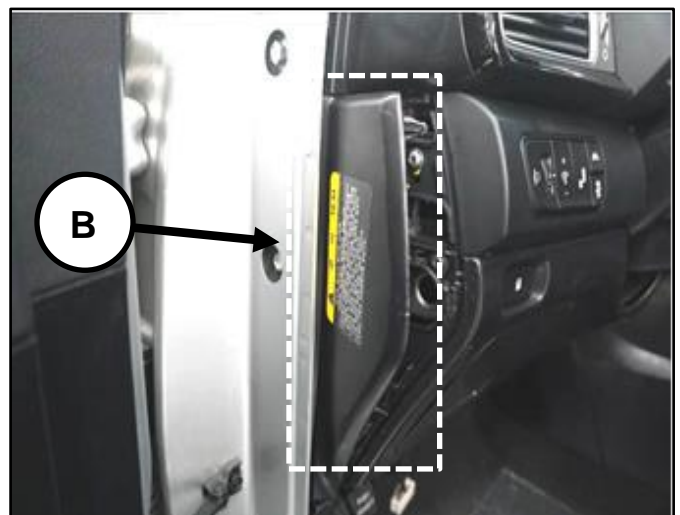
6. Partially remove the weather strip (A).

*** NOTICE**

Move the driver seat backward to the maximum.

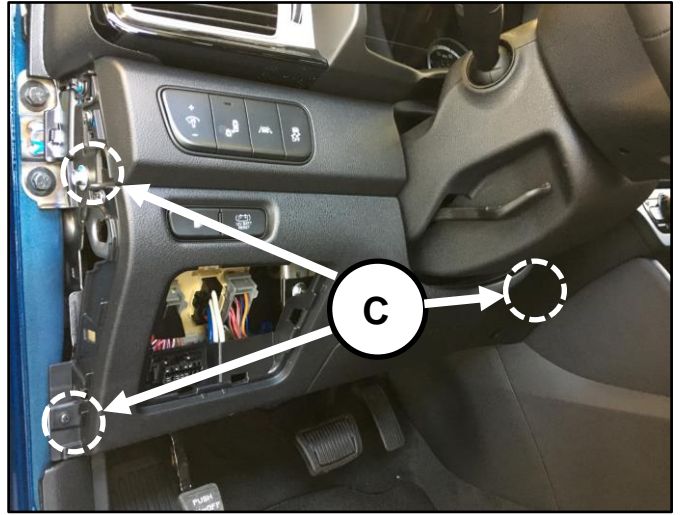


7. Remove the crash pad side cover (B).

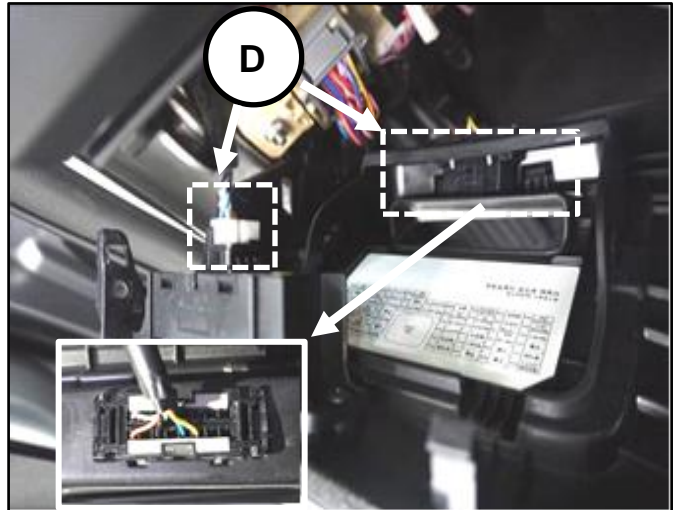


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8. Remove the three (3) crash pad lower panel mounting screws (C).



9. Disconnect the diagnosis connector (D), the fuel cover opener and 12V DC battery reset switch connector (D), and remove the lower panel.



10. Remove the three (3) lower steering wheel shroud mounting screws (E).

*** NOTICE**

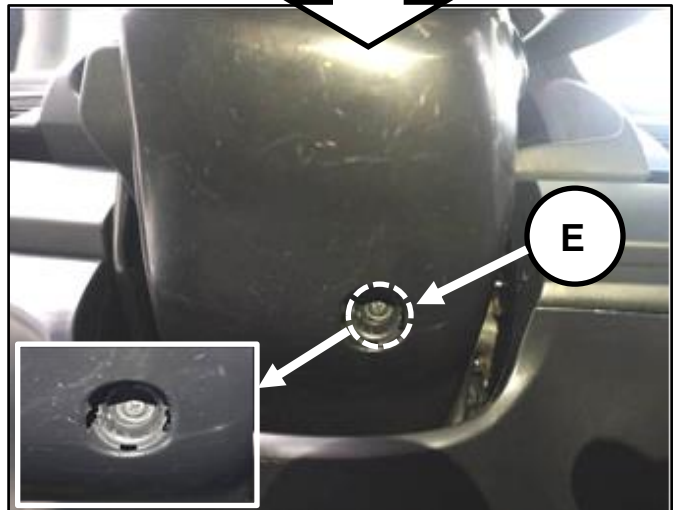
When loosening the steering column shroud mounting screws, turn the steering wheel sideways by 90° to the right/left from aligned position.



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Turn the Steering Wheel



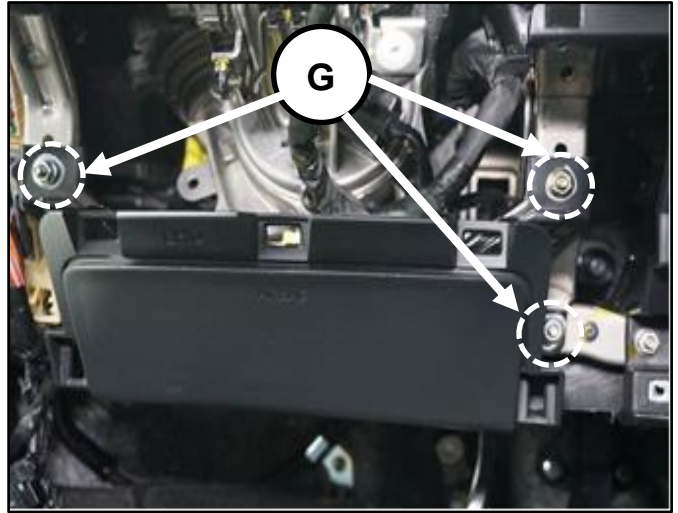
11. Separate the upper side of the steering wheel shroud (F).



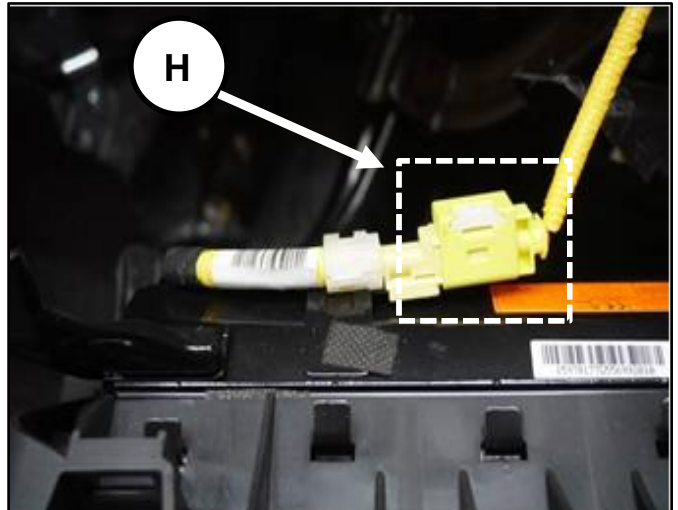
12. Remove the three (3) knee airbag mounting nuts (G).

Tightening Torque:

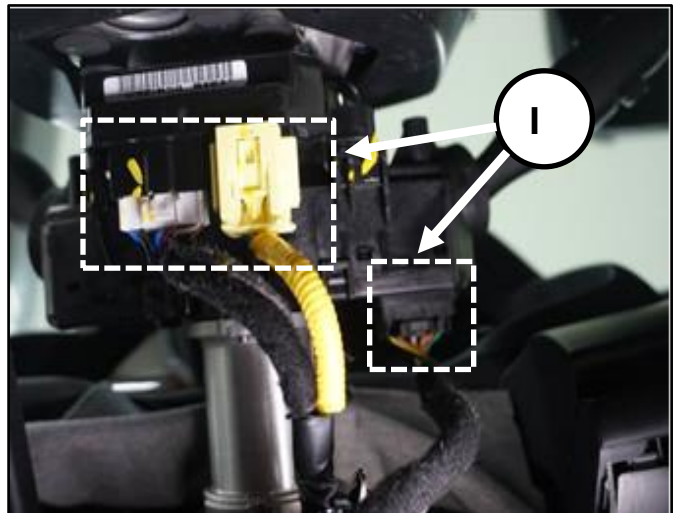
5.7 ~ 8.6 lb-ft (7.8 ~11.7 N.m, 0.8 ~ 1.2 kgf.m)



13. Disconnect the knee airbag connector (H).



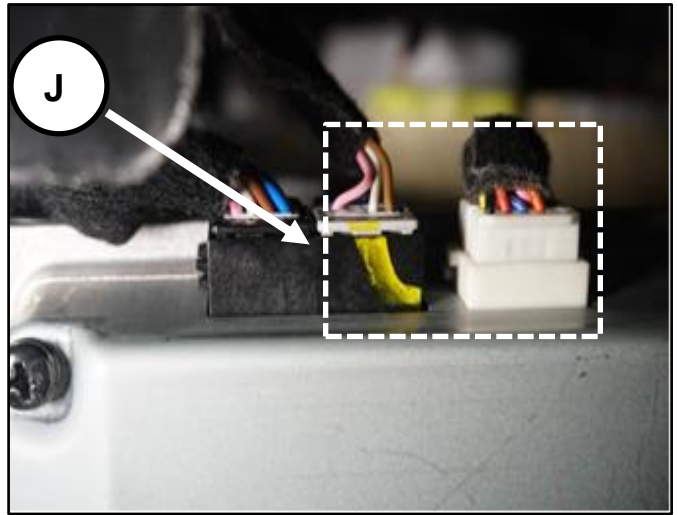
14. Disconnect the three (3) connectors (I): multifunction switch, clock spring, and airbag connector.



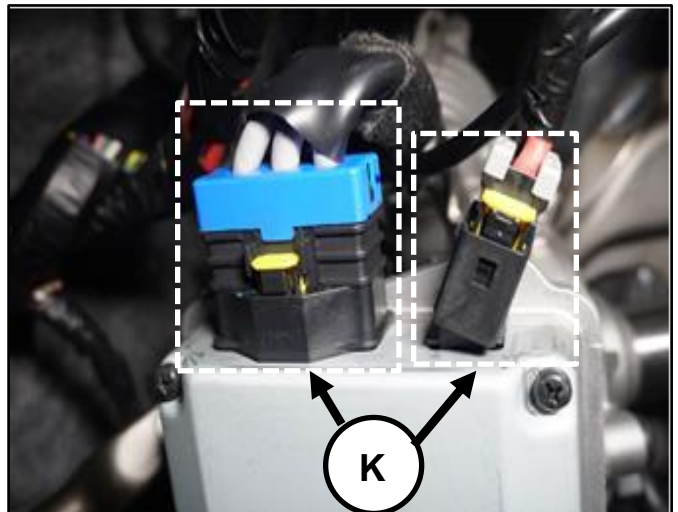
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15. Disconnect the two (2) right side ECU connectors (J).



16. Disconnect the two (2) MDPS ECU motor connectors (K).

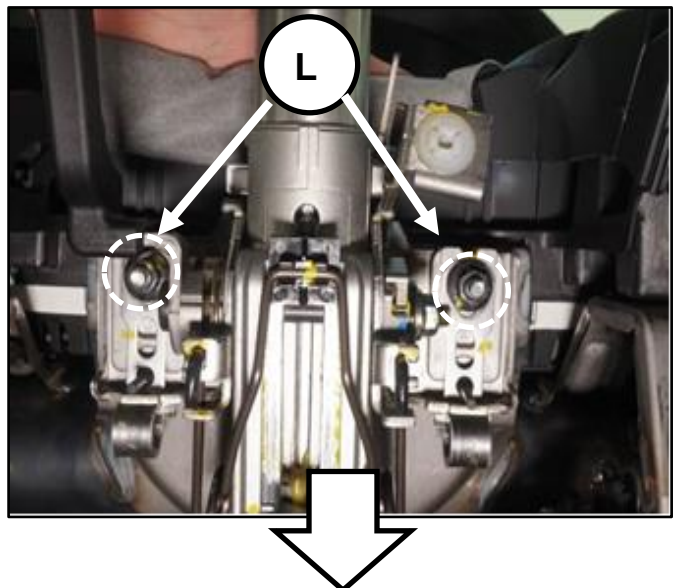


17. Remove the two (2) column shaft upper mounting nuts (L) and the one (1) column shaft lower mounting bolt (M).

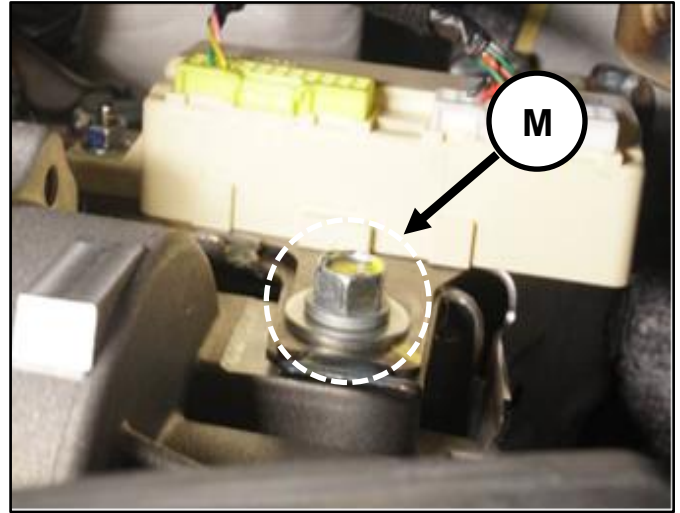
Tightening Torque:

**(L): 18.0 ~21.6 lb-ft (24.5 ~29.4 N.m,
2.5 ~3.0 kgf.m)**

**(M): 39.7 ~ 43.3 lb-ft (53.9 ~58.8 N.m,
5.5 ~ 6.0 kgf.m)**

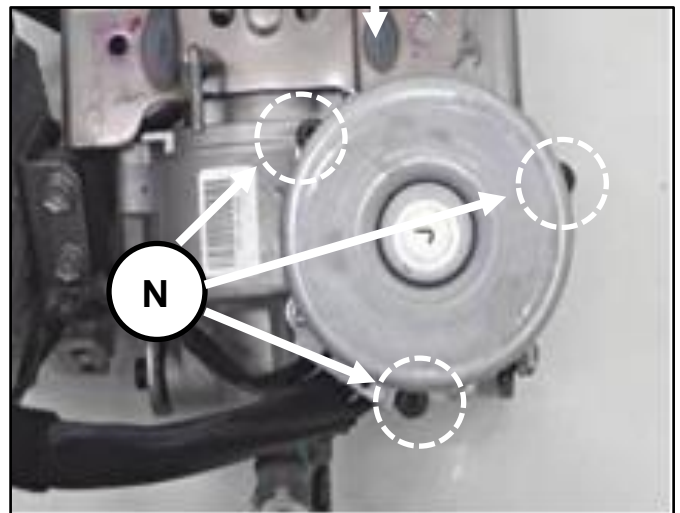
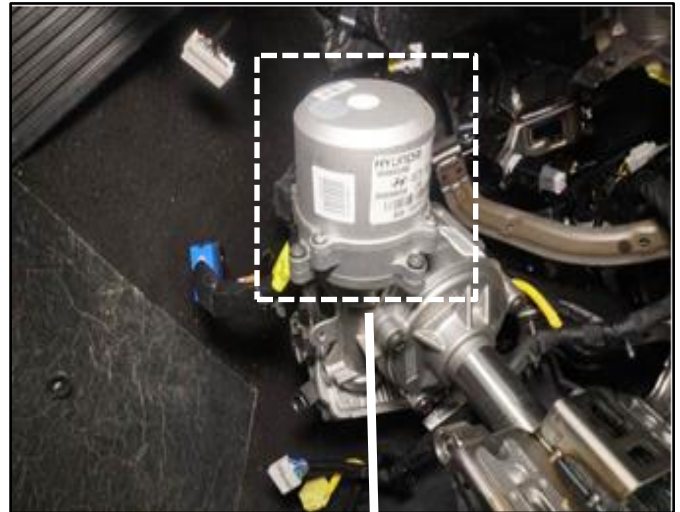


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18. Remove the three (3) motor mounting bolts (N).

Tightening Torque:
5.7 ~8.6 lb-ft (7.8 ~11.8 N.m, 0.8 ~1.2 kgf.m)




19. Install new motor and re-assemble all other parts in reverse order of removal.
20. Verify proper MDPS operation.

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21. Reprogram the customer's radio presets recorded in step 1.

REQUIRED PART:

| Part Name | Part No. | Qty. | Figure |
|-----------------------------------|----------------|------|--|
| Steering Wheel Column Shaft Motor | 56330 F2000QQK | 1 |  |

AFFECTED VEHICLE PRODUCTION RANGE:

| Model | Production Date Range |
|-----------|--|
| Niro (DE) | December 23, 2016 through January 11, 2017 |

WARRANTY INFORMATION:

| Claim Type | Causal P/N | Qty. | N Code | C Code | Repair Description | Labor Op Code | Op Time | Replacement P/N | Qty. |
|------------|-------------|------|--------|--------|--|---------------|---------|-----------------|------|
| R | 56330 F2000 | 0 | N99 | C99 | (SC145) Steering Wheel Column Shaft Motor Replacement | 171029R0 | 0.7 M/H | 56330 F2000QQK | 1 |