

 HYUNDAI NEW THINKING. NEW POSSIBILITIES. Technical Service Bulletin	GROUP RECALL	NUMBER 17-01-021
	DATE MARCH 2017	MODEL(S) See Below
SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)		

This TSB supersedes TSB# 15-01-008 to clarify the model information in the Parts Application Table and to revise the service procedure to the superseded part for the Accent (MC).

★ IMPORTANT

*** Dealer Stock and Retail Vehicles ***

As required by federal law, dealers must not deliver new vehicles for sale or lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used, demo and rental vehicles prior to placing them into customer use and 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 "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: This bulletin describes the procedure to replace the stop lamp switch.

APPLICABLE VEHICLES:

Model	Model Years	Production Date Range
Accent (MC)	2006 – 2009	From Apr. 1, 2006 to Oct. 19, 2006
		From Dec. 1, 2006 to Feb. 28, 2009
Azera (TG)	2007 - 2011	From Dec. 1, 2006 to Dec. 31, 2010
Elantra Sedan (HD)	2007 – 2010	From May 1, 2007 to Oct. 31, 2010
Elantra Touring (FD)	2009 - 2011	From Nov. 1, 2008 to Aug. 15, 2011
Entourage (EP)	2007 - 2008	From Apr. 1 2006 to Oct. 18, 2006
		From Feb. 1, 2007 to May 30, 2008
Genesis Coupe (BK)	2010 – 2011	From Dec. 1, 2008 to Aug. 31, 2010
Genesis Sedan (BH)	2009 – 2011	From Apr. 30, 2008 to Nov. 22, 2010
Santa Fe (CMA)	2007 – 2011	From Apr. 1, 2007 to Jul. 31, 2011
Sonata (NFA)	2007 - 2010	From Mar. 1, 2007 to Nov. 30, 2009
Sonata (YFA)	2011	From Dec. 1, 2009 to Jan. 31, 2011

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



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Tucson (JM)	2006 - 2009	From Mar. 1, 2006 to Oct. 19, 2006
		From May 1, 2007 to Feb. 28, 2009
		From Mar. 1, 2009 to Sep. 30, 2009
Tucson (LM)	2010 - 2011	From Oct. 20, 2009 to Nov. 30, 2010
Tiburon (GK)	2006 - 2008	From Oct. 1, 2005 to Sep. 30, 2008
Veracruz (EN)	2008 – 2011	From Dec. 1, 2007 to Feb. 28, 2009
		From Mar. 1, 2009 to July 31, 2011

**CAUTION**

Ensure the correct stop lamp switch is installed in the vehicle. Some vehicle functions may not operate as designed if the incorrect part is used.

PARTS APPLICATION:

Model	Specification	Replacement Part		
		Part No.	Figure	Connector Color
Accent (MC)	With Cruise Control	93810-4DR0AQQH		Gray
	Without Cruise Control			
Azera (TG)	2007 – 2011 Model Years ONLY	93810-4DR0AQQH		Gray






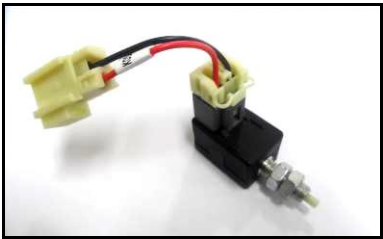
Elantra Sedan (HD)	With Cruise Control	93810-4DR0AQQH		Gray
	Without Cruise Control (Automatic Transmission)			
	Without Cruise Control (Manual Transmission)	93810-26R0BQQH		Blue (with adapter harness)
Elantra Touring (FD)	With Cruise Control	93810-3KRWCCQH		Black (inc. ground wire)
	Without Cruise Control (Automatic Transmission)	93810-3KRWAQQH		Gray (inc. ground wire)
	Without Cruise Control (Manual Transmission)	93810-26RWBQQH		Blue (with adapter harness and ground wire)

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Entourage (EP)	Non-Adjustable Pedal	93810-3KRWBQQH		Blue (inc. ground wire)
	Adjustable Pedal	93810-4DRWBQQH		Blue (inc. ground wire)
Genesis Coupe (BK)	Production Date Dec. 1, 2008 to Mar. 22, 2009	93810-3KR0BQQH		Blue
	Production Date Mar. 23, 2009 to Aug. 31, 2010	93810-4DR0AQQH		Gray
Genesis Sedan (BH)	Production Date Apr. 30, 2008 to Feb. 27, 2009	93810-3KR0BQQH		Blue
	Production Date Feb. 28, 2009 to Nov. 22, 2010	93810-4DR0AQQH		Gray

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Santa Fe (CMA)	2.4L 4-cylinder & 2.7L V6	Production Date Apr. 1, 2007 to Apr. 30, 2009	93810-3KR0BQQH		Blue
	3.3L V6 & 3.5L V6	Production Date May 1, 2009 to July 31, 2011	93810-4DR0AQQH		Gray
Sonata (NFA)	2007 – 2010 Model Years ONLY		93810-4DR0AQQH		Gray
Sonata (YFA)	2011 Model Year ONLY		93810-3SR0AQQH		Gray (Flange nut type)
Tiburon (GK)	With Cruise Control, With or Without ESC	93810-4DR0AQQH			Gray
	Without Cruise Control, With ESC				
	Without Cruise Control, Without ESC	93810-26R0AQQH			Gray (with adapter harness)

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Tucson (JM)	With Cruise Control	93810- 4DR0AQQH		Gray
	Without Cruise Control			
Tucson (LM)	All	93810- 4DR0AQQH		Gray
Veracruz (EN)	Non-Adjustable Pedal	93810- 4DR0AQQH		Gray
	Adjustable Pedal	93810- 3KRWAQQH		Gray (inc. ground wire)

SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**WARRANTY INFORMATION:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature	Cause
Accent (MC) Azera (TG) Elantra Sedan (HD) Genesis Coupe (BK) Genensis Sedan (BH) Santa Fe (CMA) Sonata (NFA) Sonata (YFA) Tiburon (GK) Tucson (JM) Tucson (LM) Veracruz (EN) without adjustable pedal	31C017R0	STOP LAMP SWITCH REPLACEMENT	0.3 M/H	93810-3K000	E23	ZZ4
Elantra Touring (FD) Veracruz (EN) with adjustable pedal Entourage (EP) without adjustable pedal	31C017R1	STOP LAMP SWITCH REPLACEMENT AND GROUND WIRE ADDITION	0.3 M/H	93810-3K000	E23	ZZ4
Entourage (EP) with adjustable pedal	31C017R2	STOP LAMP SWITCH REPLACEMENT FOR EP WITH ADJUSTABLE PEDAL	0.5 M/H	93810-3K000	E23	ZZ4

NOTE: Submit Claim on Campaign Claim Entry Screen

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CAUTION

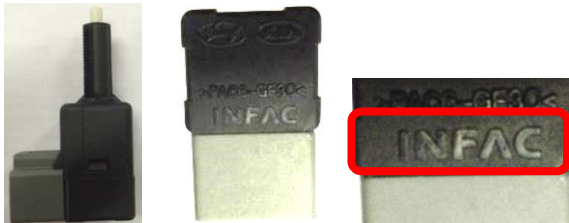
Ensure the correct stop lamp switch is installed in the vehicle. Some vehicle functions may not operate as designed if the incorrect part is used.

★ NOTE

For vehicles with a remote start accessory, verify the remote start connectors are properly connected to the brake switch. Verify the remote start function operates properly after the brake switch replacement.

★ NOTE

For vehicles under this recall, never install the previous version of the stop lamp switch. Refer to the picture in the table below.

PICTURE	EXPLANATION
	The previous version is molded with “INFAC”.

SERVICE PROCEDURE:

Turn the ignition switch to the OFF position and set the parking brake.

Move the driver's seat to the most rearward position and if equipped, tilt the steering wheel to the upmost position.

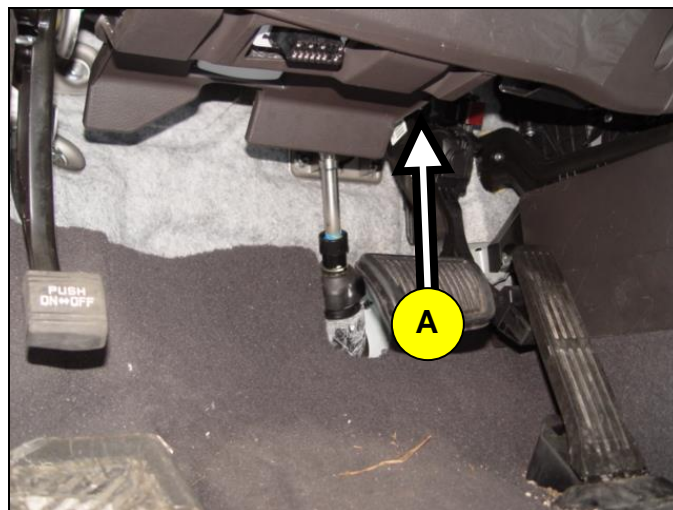
Locate the stop lamp switch (A) above the brake pedal assembly.

Go to the page for the applicable model:

Page 9: Entourage (EP) Genesis Coupe (BK), Genesis Sedan (BH), and Santa Fe (CMA)

Page 13: Accent (MC), Azera (TG), Elantra Sedan (HD), Elantra Touring (FD), Veracruz (EN), Sonata (NFA), Tiburon (GK), and Tucson (JM and LM)

Page 24: Sonata (YFA)



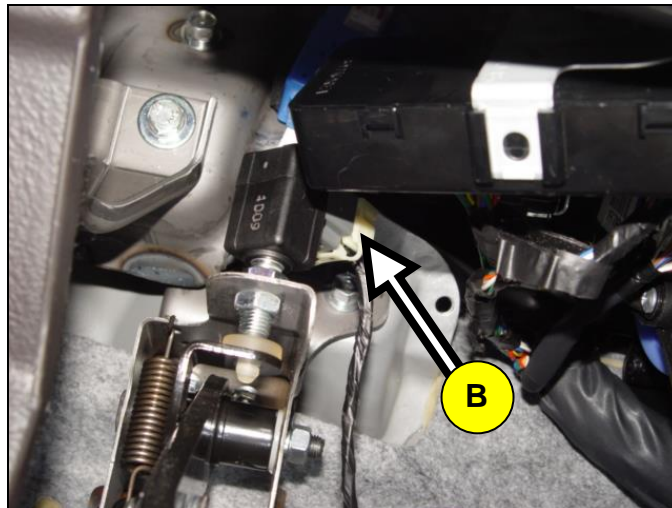
SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)

Entourage (EP), Genesis Coupe (BK), Genesis Sedan (BH), and Santa Fe (CMA) ONLY

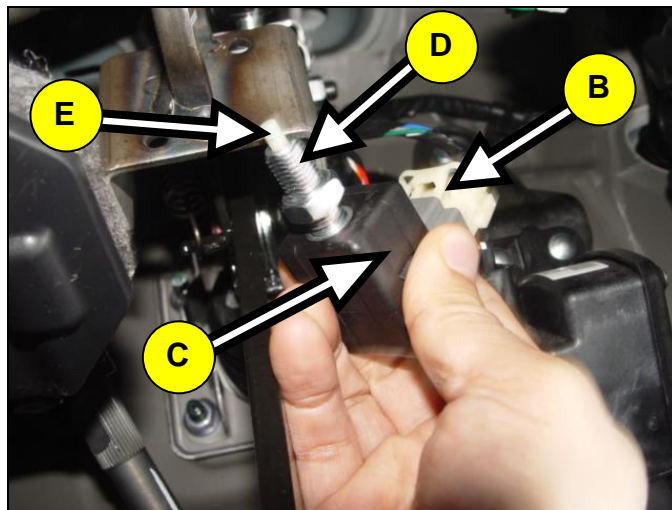
★ NOTE

-Entourage (EP) with adjustable pedals ONLY:
Remove the lower panel below the steering column according to the procedure on page 19; “Entourage (EP) With Adjustable Pedals ONLY”. After panel removal, return to this page and continue with step 1.

1. Disconnect the stop lamp switch connector (B).



2. Connect the new stop lamp switch (C) with the connector (B).
3. Ground the threaded part (D) of the new stop lamp switch to a near chassis ground and confirm that the stop lamp switch operates normally by depressing and releasing the plunger (E).



★ NOTE

It might be necessary to clean the chassis ground to ensure that the threaded part of the new stop lamp switch is grounded properly.

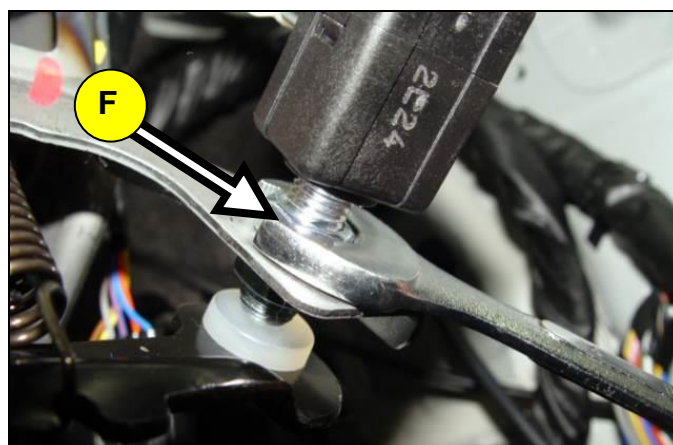
Depressing the plunger, the brake lights will turn off. Releasing the plunger, the brake lights will turn on.

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If the stop lamp switch does not operate normally, use the alternative part as shown in the table below.

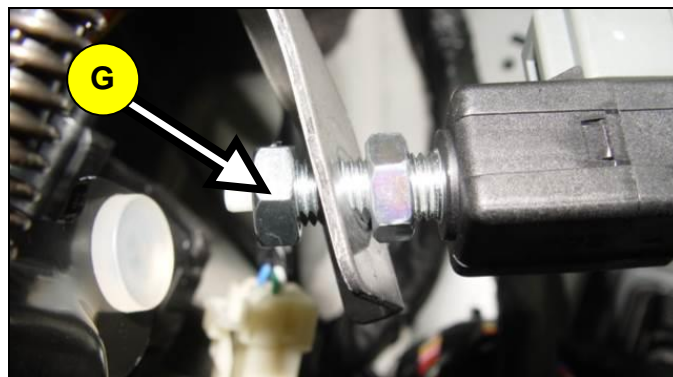
Model	Replacement Part		Alternative Part	
	Part No.	Connector Color	Part No.	Connector Color
Genesis Coupe, Genesis Sedan, Santa Fe	93810-3KR0AQQH	Gray	93810-3KR0BQQH	Blue
	93810-3KR0BQQH	Blue	93810-3KR0AQQH	Gray
Entourage	93810-3KRWBQQH	Blue	93810-3KRWAQQH	Gray

4. Loosen the upper mounting nut (F) of the current stop lamp switch.



5. Remove the lower mounting nut (G) of the current stop lamp switch.

Apply 5.8 ~ 7.2 lb-ft (0.8 ~ 1.0 kgf.m, 7.8 ~ 9.8 Nm) torque to the lower mounting nut.



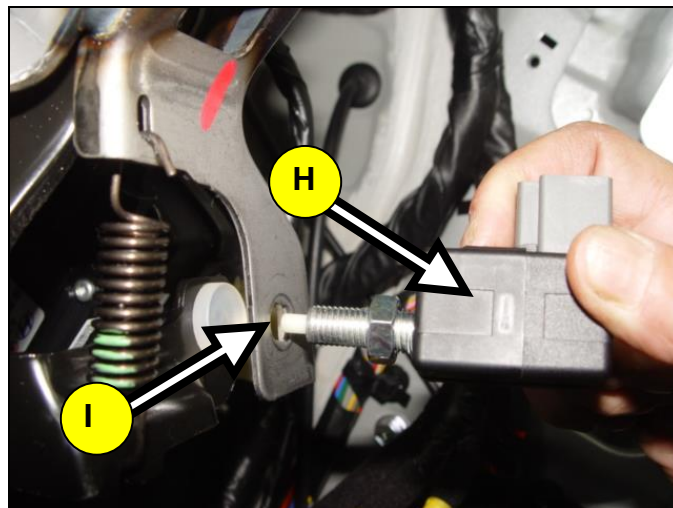
6. Remove the stop lamp switch assembly (H), and install the new stop lamp switch in reverse order of removal.

⚠ CAUTION

Ensure the correct stop lamp switch is installed in the vehicle. Some vehicle functions may not operate as designed if the incorrect part is used.

*** NOTE**

It might be necessary to clean the area of the bracket around the opening (I) to ensure that the threaded part and mounting nuts of the new stop lamp switch are grounded properly.

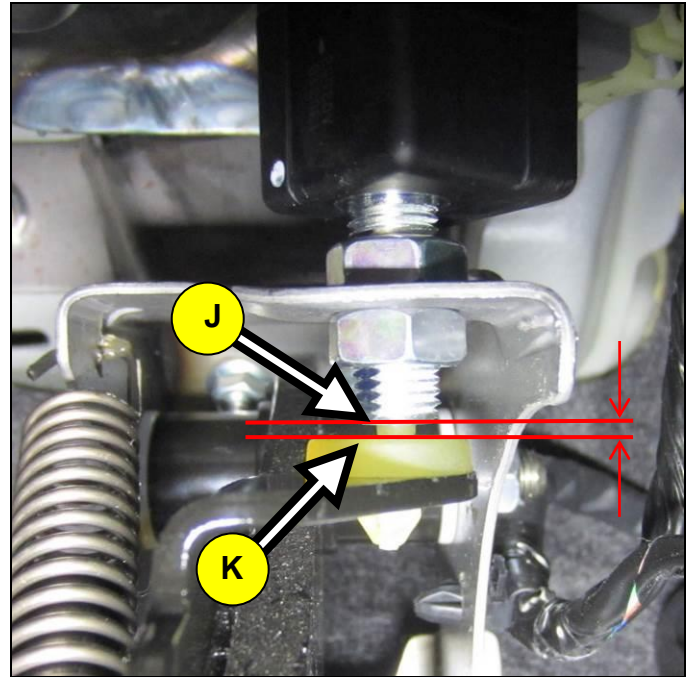
*** NOTE****-Entourage (EP):**

Install the ground wire according to the procedures on page 19; “Installation of ground wire for Entourage (EP)”. After installation of the ground wire, complete the stop lamp switch installation from step 7 on page 12.

7. Without the brake pedal applied, adjust the gap between the end of the metal threaded housing of the stop lamp switch (J) and the stop lamp switch stopper (K).

Gap Specification:

1.0 ~ 2.0 mm (0.04 ~ 0.08 in)



8. Tighten the upper and lower mounting nuts.

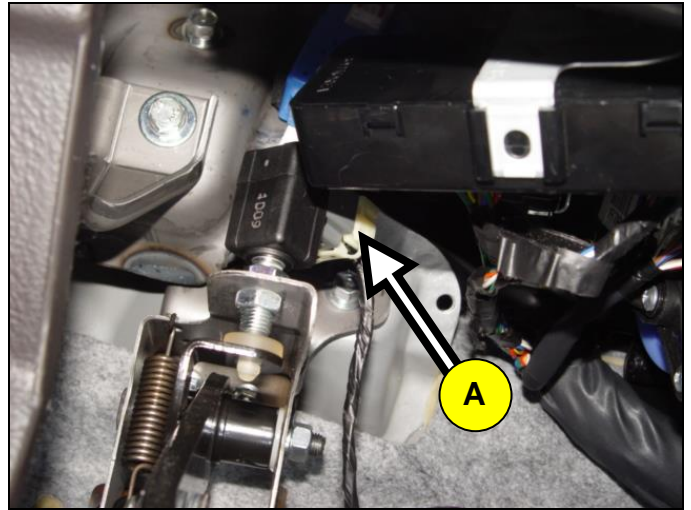
Lower mounting nut torque specification:

5.8 ~ 7.2 lb-ft (0.8 ~ 1.0 kgf.m, 7.8 ~ 9.8 Nm)

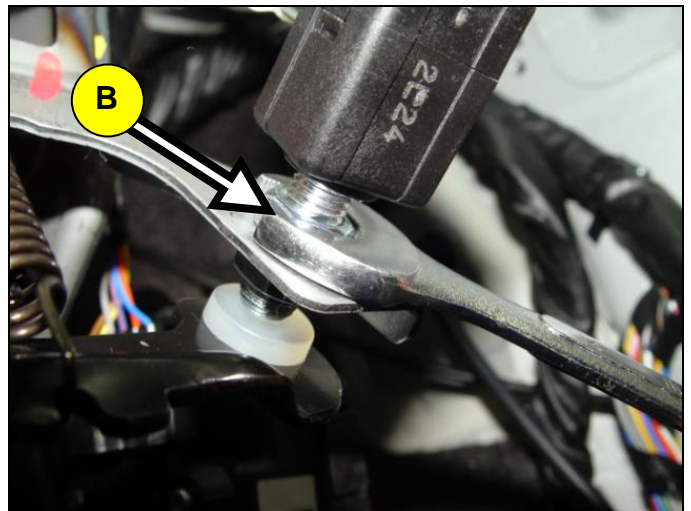
9. Recheck the gap as described in step 7.
10. Verify that the rear brake lamps operate normally when applying the brake pedal.

Accent (MC), Azera (TG), Elantra Sedan (HD), Elantra Touring (FD), Sonata (NFA), Tiburon (GK), Tucson (JM and LM), and Veracruz (EN) ONLY

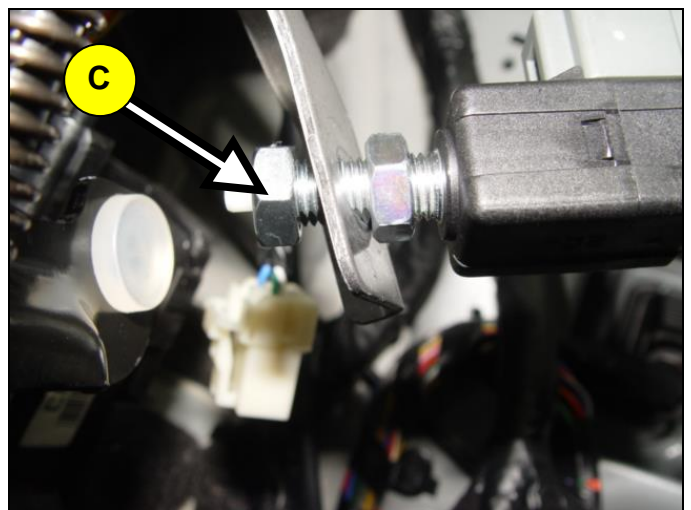
1. Disconnect the stop lamp switch connector (A).



2. Loosen the upper mounting nut (B).



3. Remove the lower mounting nut (C).



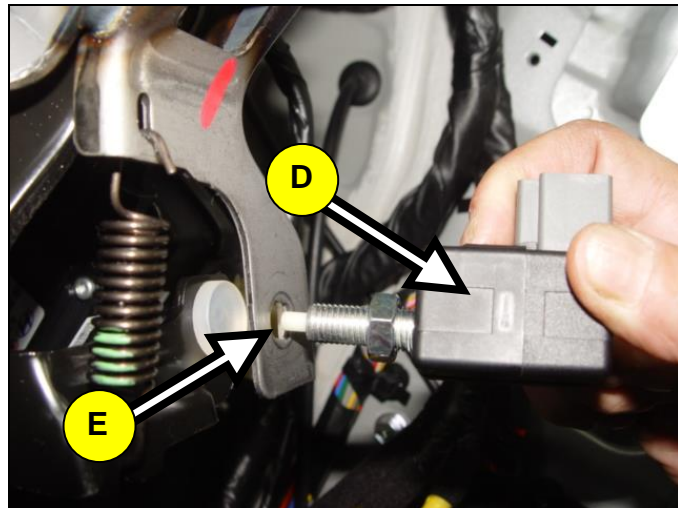
4. Remove the stop lamp switch assembly (D), and install the replacement stop lamp switch in reverse order of removal.

⚠ CAUTION

Ensure the correct stop lamp switch is installed in the vehicle. Some vehicle functions may not operate as designed if the incorrect part is used.

*** NOTE**

It might be necessary to clean the area of the bracket around the opening (E) to ensure that the threaded part and mounting nuts of the new stop lamp switch are grounded properly.

*** NOTE**

-Elantra Sedan (HD):

If the original stop lamp switch is the 2-pin type, use part number 93810-26R0BQQH which includes the adapter harness.

*** NOTE**

-Elantra Touring (FD):

Install the ground wire according to the procedures on page 18; "Installation of ground wire for Elantra Touring (FD)". After installation of the ground wire, complete the stop lamp switch installation from step 5 on page 16.

*** NOTE**

-Tiburon (GK):

If the original stop lamp switch is the 2-pin type, use part number 93810-26R0AQQH which includes the adapter harness.

*** NOTE**

-Veracruz (EN) equipped with adjustable pedals:

Install the ground wire according to the procedures on page 17; "Installation of ground wire for Veracruz (EN) with adjustable pedals". After installation of the ground wire, complete the stop lamp switch installation from step 5 on page 16.

★ NOTE

Accent (MC) - Part number 93810-3KR0AQQH has been superseded with 93810-4DR0AQQH. The part is physically larger however; fitment and operation should not be an issue. See below on this page for installation tips.

For **non** cruise control equipped vehicles, it is slightly difficult to install the superseded switch due to space limitation.

The following tips will assist with the installation:

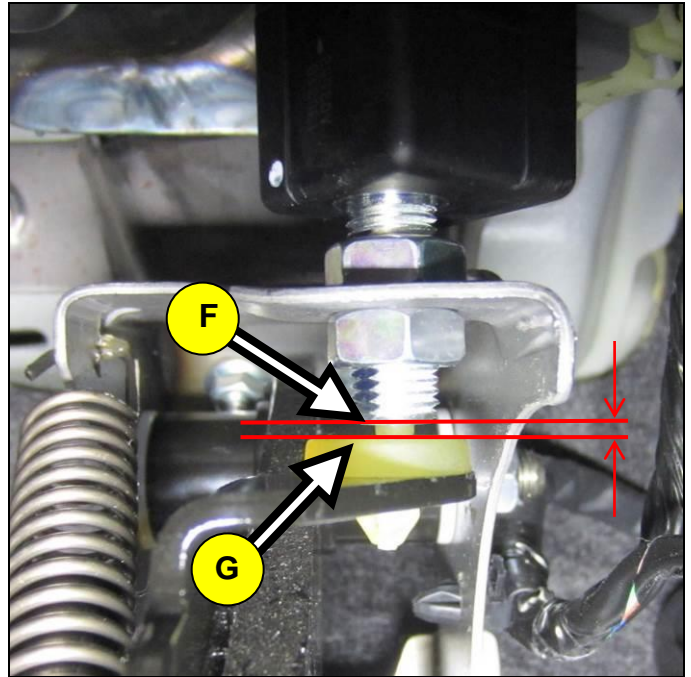
1. Grab the stop lamp switch by the connector side with the switch facing downward and place hand behind the steering column.
2. Slide the switch from top to downward and place the switch into the mounting bracket port.



5. Without the brake pedal applied, adjust the gap between the end of the metal threaded housing of the stop lamp switch (F) and the stop lamp switch stopper (G).

Gap Specification:

1.0 ~ 2.0 mm (0.04 ~ 0.08 in)



6. Tighten the upper and lower mounting nuts.

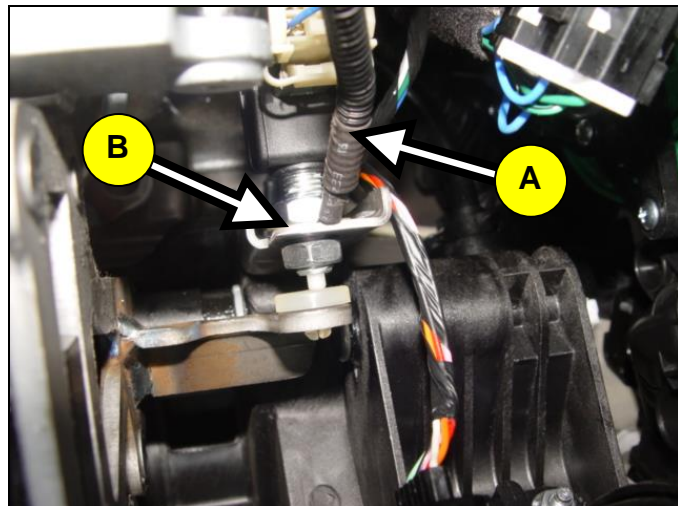
Lower mounting nut torque specification:

5.8 ~ 7.2 lb-ft (0.8 ~ 1.0 kgf.m, 7.8 ~ 9.8 Nm)

7. Recheck the gap as described in step 5.
8. Verify that the rear brake lamps operate normally when applying the brake pedal.

Installation of ground wire for Veracruz (EN) with adjustable pedals

1. Connect one end of the ground wire (A) to the bottom of the upper mounting nut (B).



2. Route the ground wire (C) as shown.

CAUTION

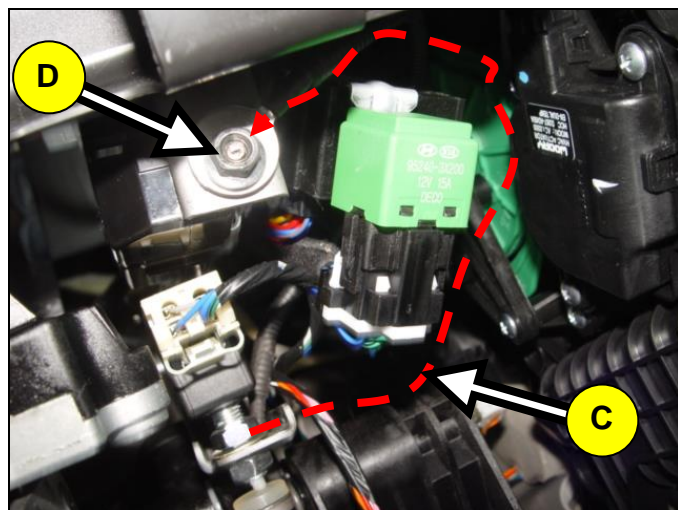
Make sure that the ground wire does not interfere with the brake and accelerator pedals.

3. Remove the nut (D) on the bracket located above the stop lamp switch and then connect the other end of the ground wire.

Nut torque specification:

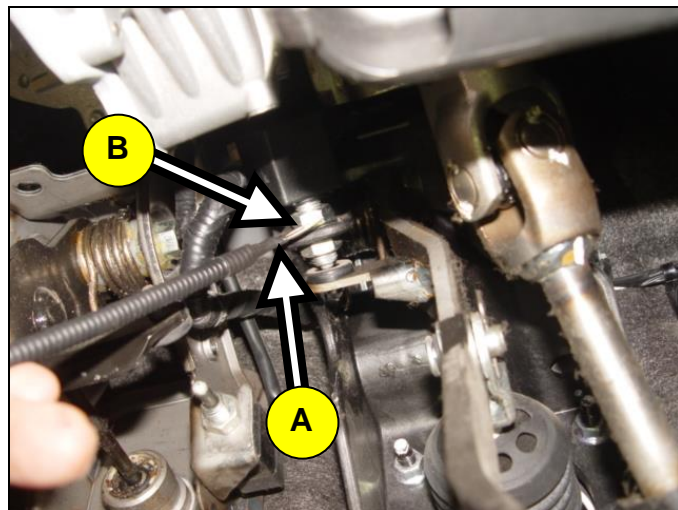
3.6 ~ 4.3 lb-ft (0.5 ~ 0.6 kgf.m, 4.9 ~ 5.9 Nm)

4. Return to step 5 on page 16 to complete the stop lamp switch installation.



Installation of ground wire for Elantra Touring (FD)

1. Connect one end of the ground wire (A) to the bottom of the upper mounting nut (B).



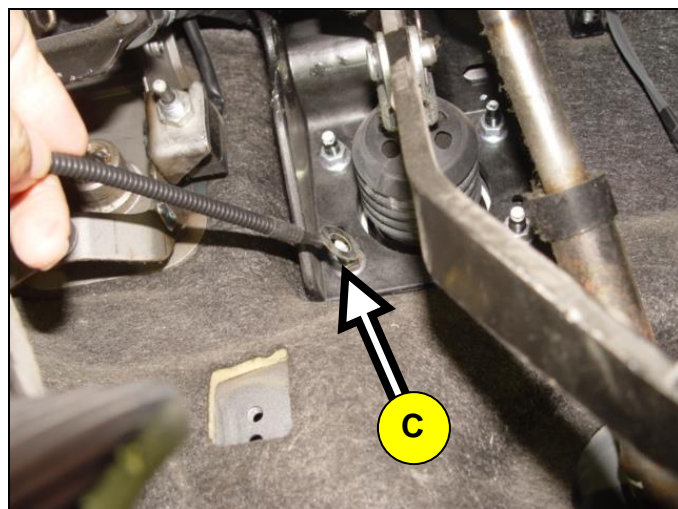
2. Remove the nut (C) located at the brake pedal mounting bracket and then connect the other end of the ground wire.

Nut torque specification:

3.6 ~ 4.3 lb-ft (0.5 ~ 0.6 kgf.m, 4.9 ~ 5.9 Nm)

CAUTION

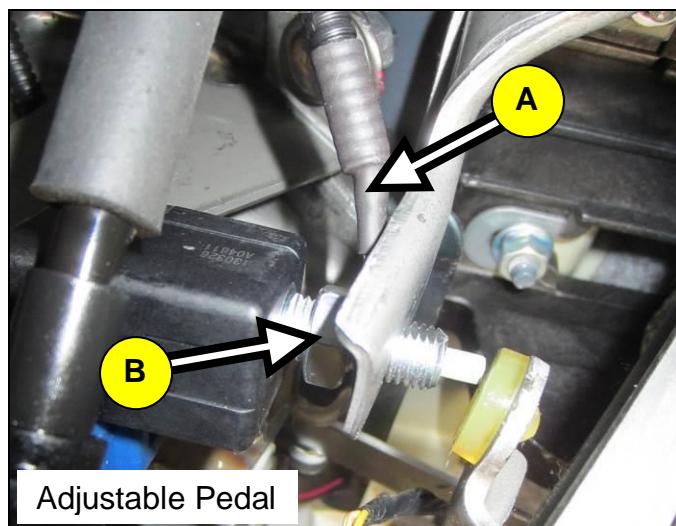
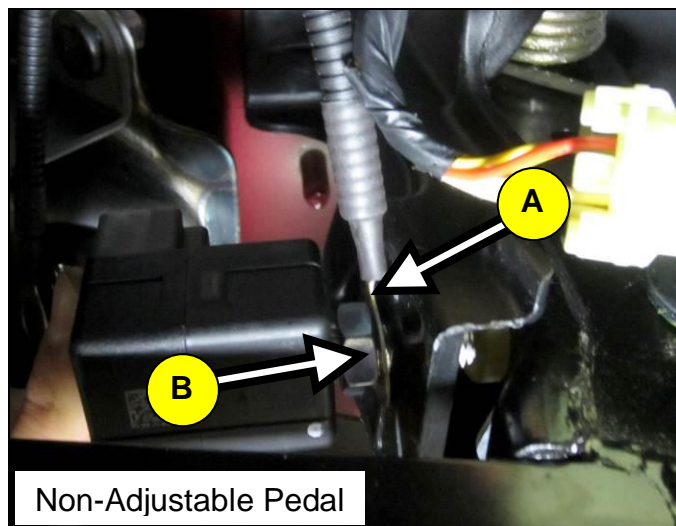
Make sure that the ground wire does not interfere with the brake and accelerator pedals.



3. Return to step 5 on page 16 to complete the stop lamp switch installation.

Installation of ground wire for Entourage (EP)

1. Connect one end of the ground wire (A) to the bottom of the upper mounting nut (B).



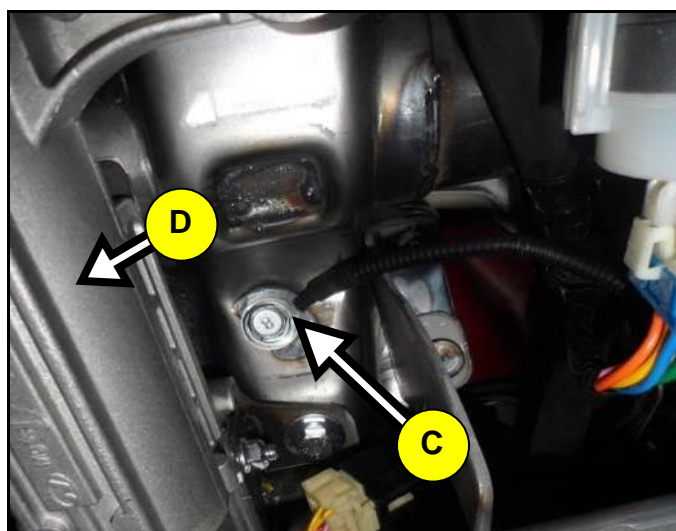
2. Remove the bolt (C) on the cowl cross bar near the steering column assembly (D) and connect the other end of the ground wire.

Bolt torque specification:

3.6 ~ 4.3 lb-ft (0.5 ~ 0.6 kgf.m, 4.9 ~ 5.9 Nm)

CAUTION

Make sure that the ground wire does not interfere with the brake and accelerator pedals.



3. Return to step 7 on page 12 to complete the stop lamp switch installation.

SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)

Entourage (EP) With Adjustable Pedals ONLY

1. Disconnect the battery negative (-) terminal.
2. Remove the left hand side cover (A).

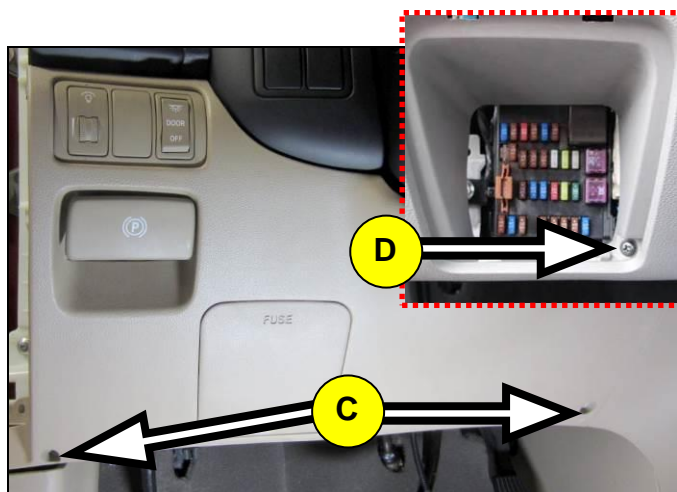
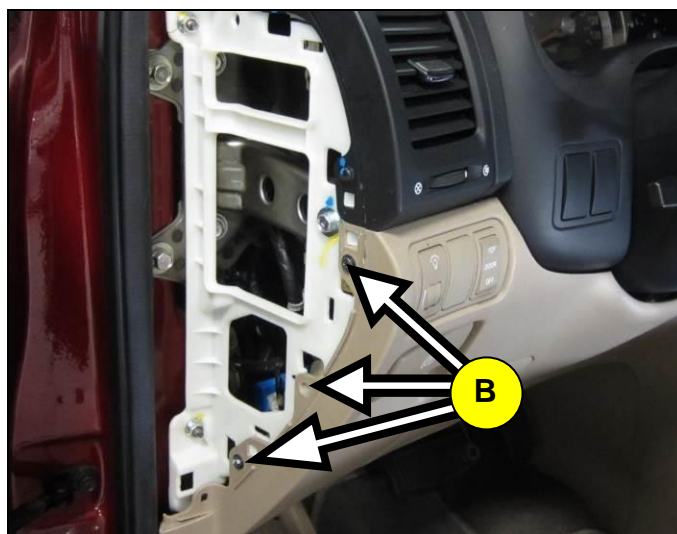
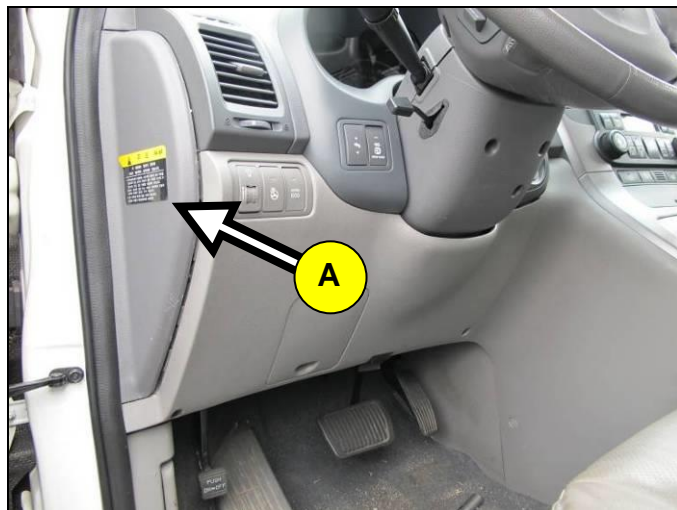
★ NOTE

If additional information is needed for removal and reinstallation of interior trim, refer to the Body Interior sections in the Shop Manual.

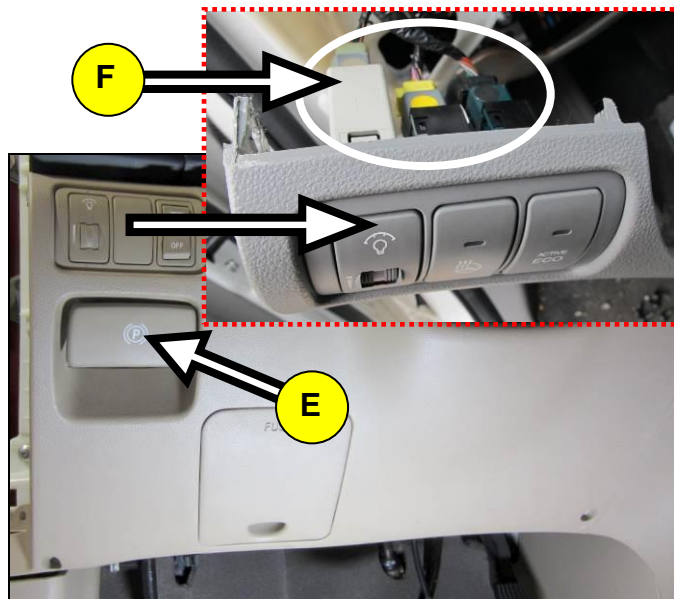
3. Remove three screws (B) from the side of the lower panel and two bolts (C). Uncover the fuse panel and remove the screw (D).

Screw torque specification:

1.4 ~ 2.2 lb-ft (0.2 ~ 0.3 kgf.m, 2.0 ~ 2.9 Nm)



4. Carefully remove the lower panel. Slide the parking brake handle (E) off of the panel and then disconnect the switches (F). Set aside the lower panel.



5. Using a plastic trim tool, carefully pry up and remove the upper cover (G) surrounding the shift lever. Disconnect the cigarette lighter and power outlet (H). Set aside the cover.



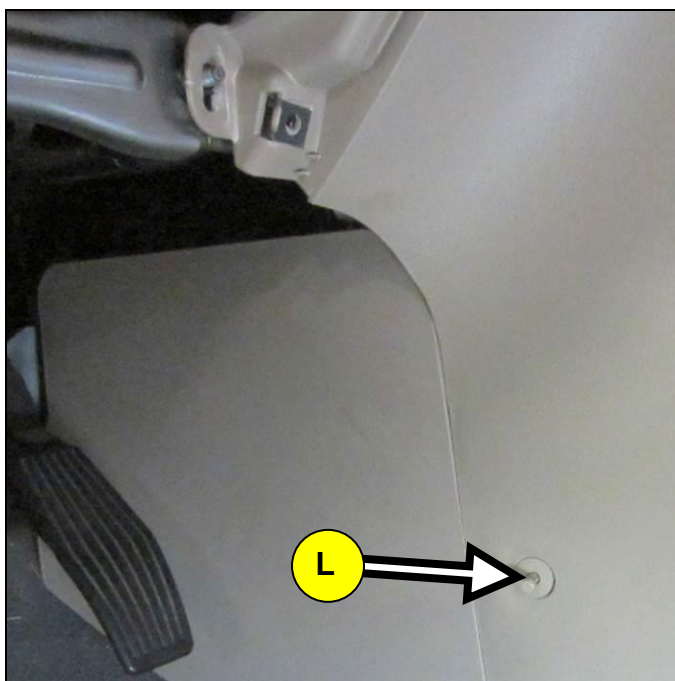
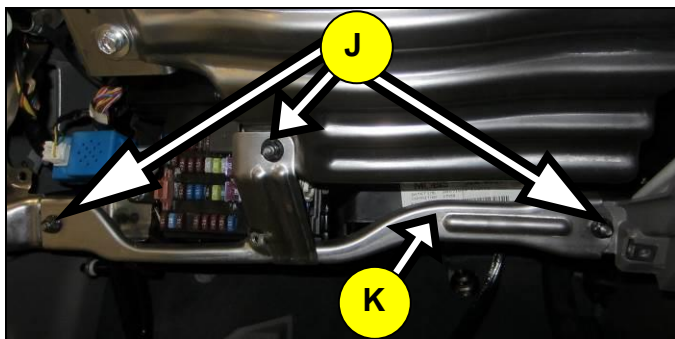
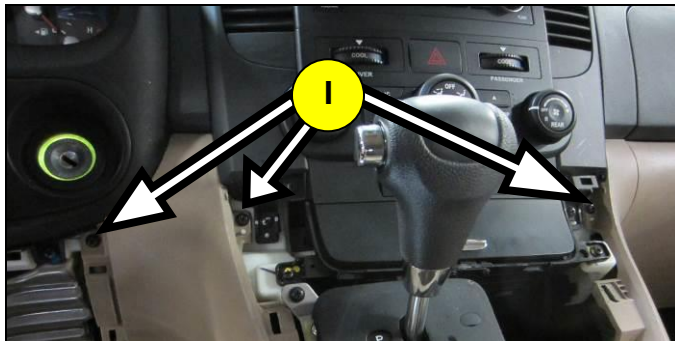
6. Remove the upper three screws (I) of the center floor console, the three nuts (J) of the lower brace (K) and lower left clip (L), holding the center floor console. Remove the lower brace.

Screw (I) torque specification:

1.4 ~ 2.2 lb-ft (0.2 ~ 0.3 kgf.m, 2.0 ~ 2.9 Nm)

Nut (J) torque specification:

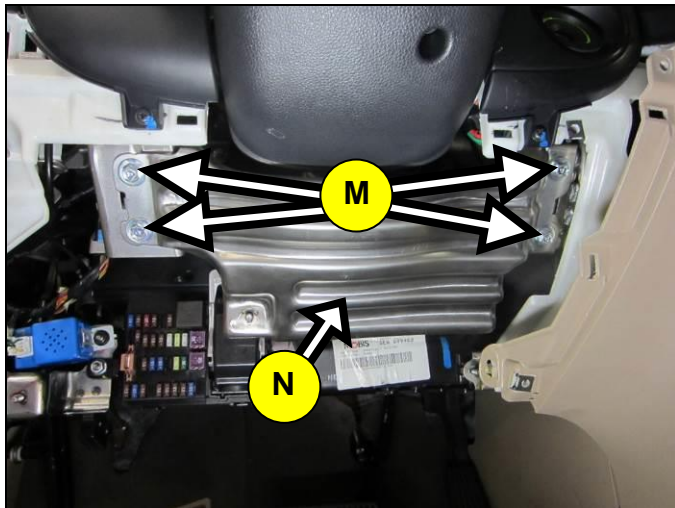
3.6 ~ 4.3 lb-ft (0.5 ~ 0.6 kgf.m, 4.9 ~ 5.9 Nm)



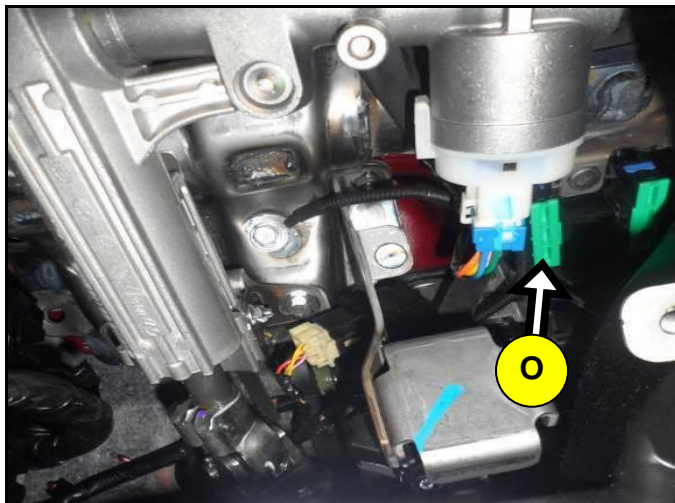
7. Move the center floor console to allow access to the two bolts on the right. Remove all four bolts (M). Remove the metal panel (N).

Bolt torque specification:

3.6 ~ 4.3 lb-ft (0.5 ~ 0.6 kgf.m, 4.9 ~ 5.9 Nm)



8. Slide the multi-connector (O) off its mounting bracket by gently pulling down. Do not pull off the multi-connector cap.

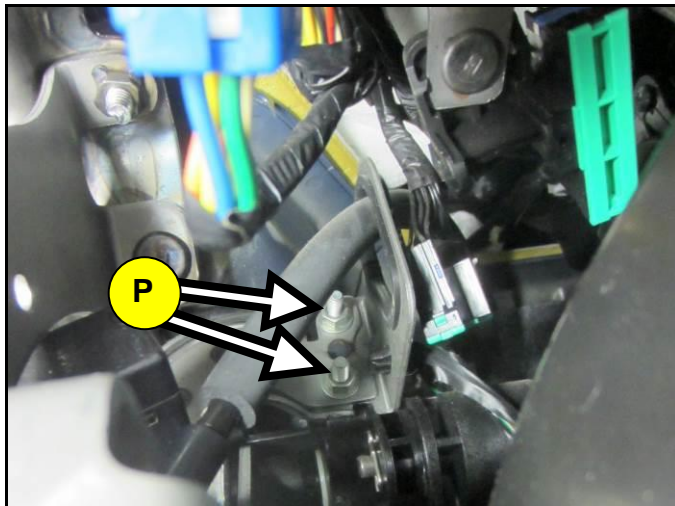


9. Using a universal joint on a ratchet, remove the two nuts (P) to loosen the stop lamp switch bracket. This will allow access to the stop lamp switch.

Nut torque specification:

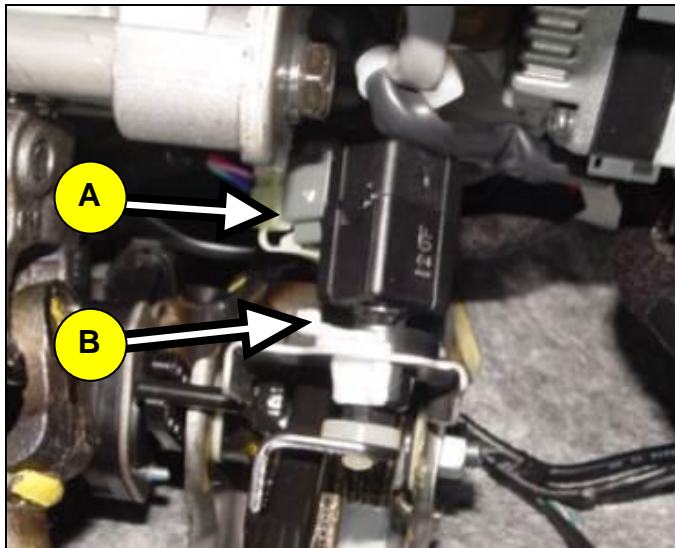
3.6 ~ 4.3 lb-ft (0.5 ~ 0.6 kgf.m, 4.9 ~ 5.9 Nm)

10. Return to page 9 and begin with step 1 to install the stop lamp switch. After installing the new stop lamp switch, reassemble the trim pieces in the reverse order of removal.

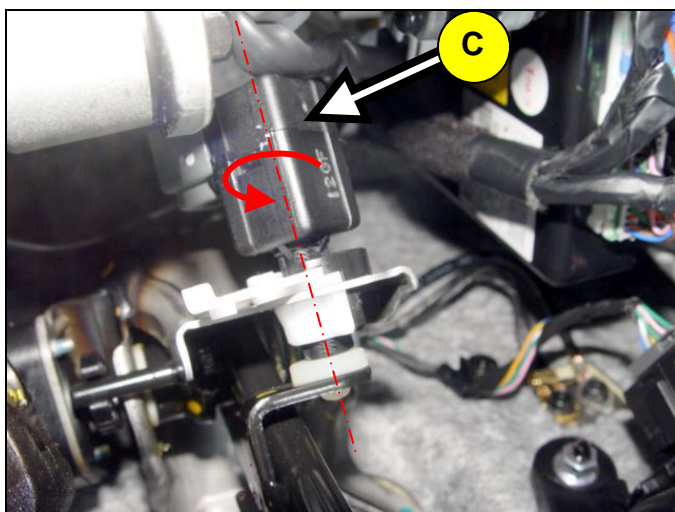


Sonata (YFA) ONLY

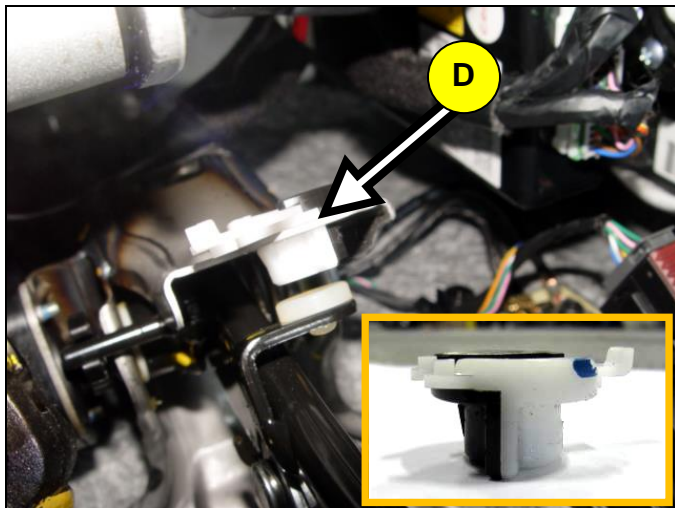
1. Disconnect the stop lamp switch connector (A) and slide out the locking tab (B).



2. Rotate the stop lamp switch (C) clockwise to unlock and remove it.



3. Pry out the plastic locking mount (D) with a flathead screw driver and discard.



4. Retrieve the replacement switch. Note that the two flanged nuts that are not identical.

CAUTION

Ensure the correct stop lamp switch is installed in the vehicle. Some vehicle functions may not operate as designed if the incorrect part is used.

The inside nut (E) (closer to the stop lamp switch body) has a small lip that protrudes out from the flange. This lip will fit inside the mounting bracket to securely locate the switch's position.

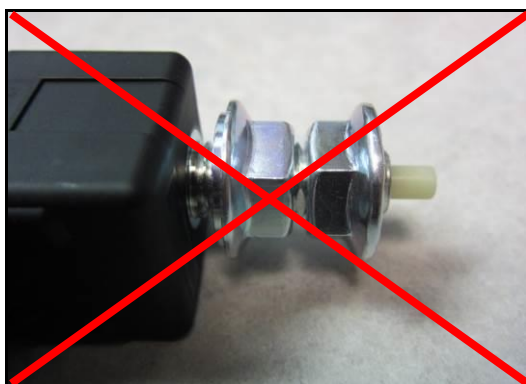
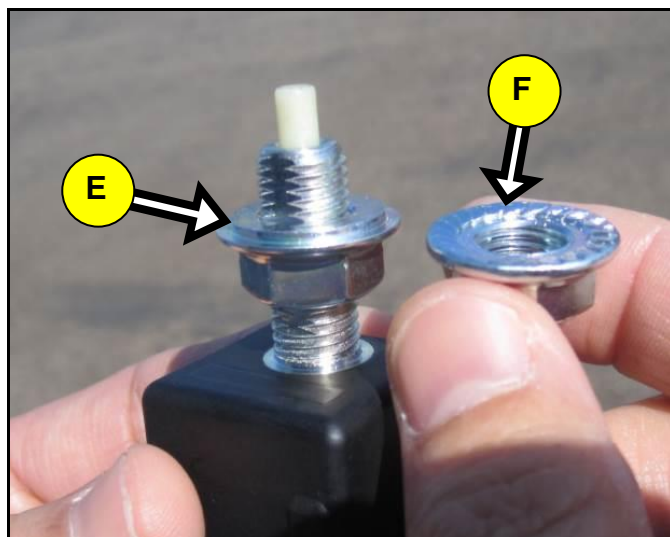
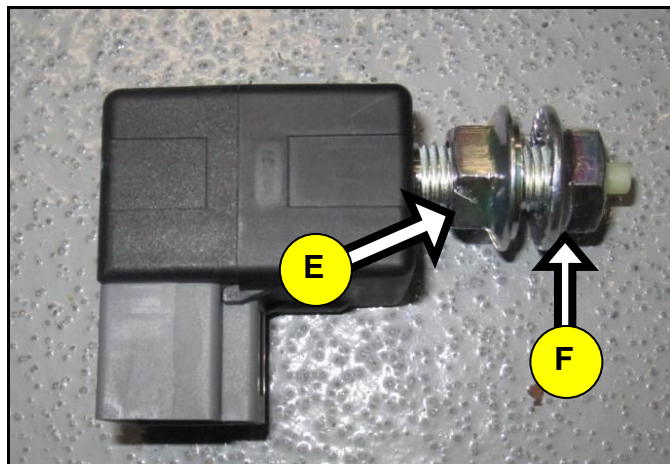
The outside nut (F) (farther from the switch body) has a serrated edge.

When installing the stop lamp switch, both the order and orientation of the nuts are important:

*** IMPORTANT**

When installing the replacement part, make sure nut (E) is placed closer to the switch body, and that nut (F) is placed farther.

Also, be sure that the flanges are faced towards each other, not away from each other.



INCORRECT



CORRECT

SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)

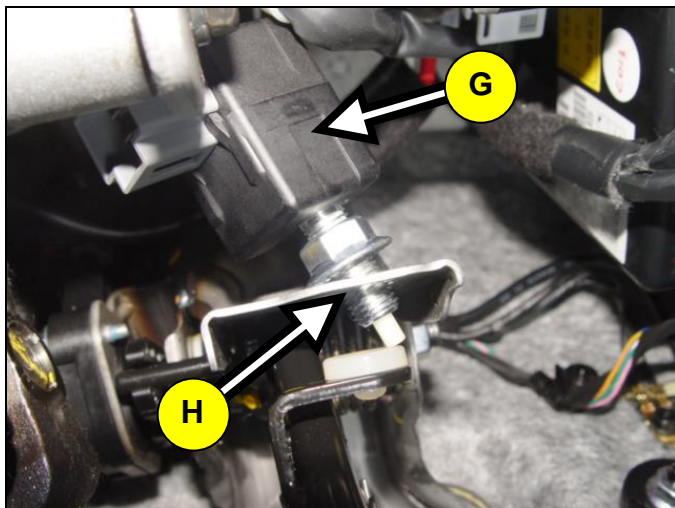
5. Locate the replacement stop lamp switch (G) and fasten the upper and lower mounting flange nuts.

★ IMPORTANT

Make sure the inside nut's lip is fully seated into the mounting bracket, so that the nut's flange is flush with the bracket.

★ NOTE

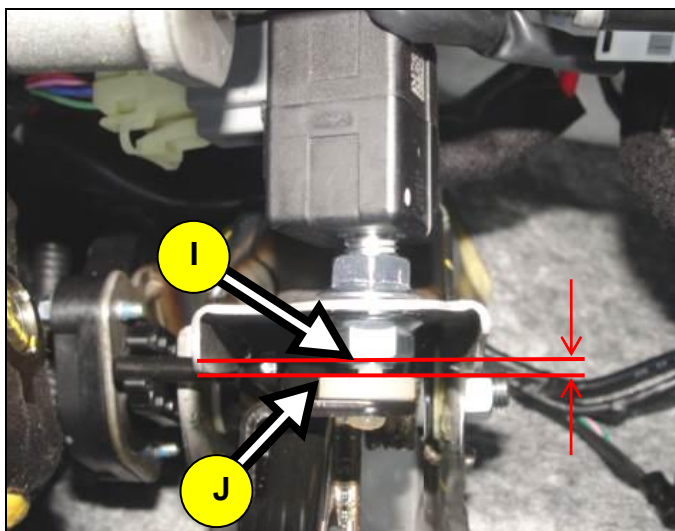
It might be necessary to clean the area of the bracket around the opening (H) to ensure that the threaded part and mounting nuts of the new stop lamp switch are grounded properly.



6. Without the brake pedal applied, adjust the gap between the end of the metal threaded housing of the stop lamp switch (I) and the stop lamp switch stopper (J).

Gap Specification:

1.0 ~ 2.0 mm (0.04 ~ 0.08 in)



7. Tighten the upper and lower mounting flange nuts.

Lower mounting flange nut torque specification:

5.8 ~ 7.2 lb-ft (0.8 ~ 1.0 kgf.m, 7.8 ~ 9.8 Nm)

8. Recheck the gap as described in step 6.
9. Verify that the rear brake lamps operate normally when applying the brake pedal.