

13V-113

 <b>HYUNDAI</b>   NEW THINKING. NEW POSSIBILITIES.  <b>Technical Service Bulletin</b>	GROUP <b>RECALL</b>	NUMBER <b>13-01-021-3</b>
	DATE <b>NOVEMBER 2013</b>	MODEL(S) <b>See Below</b>
<b>SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)</b>		

**THIS TSB SUPERSEDES TSB 13-01-021-2 to update and/or include additional models, production date ranges and installation procedures for the Accent (MC), Azera (TG), Elantra Touring (FD), Entourage (EP), Genesis Sedan (BH), Sonata (NFA), Tiburon (GK), Tucson (JM and LM), and Veracruz (EN).**

**\* 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

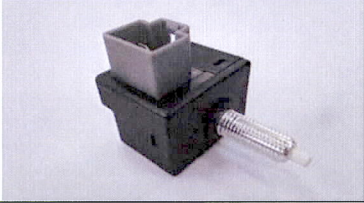
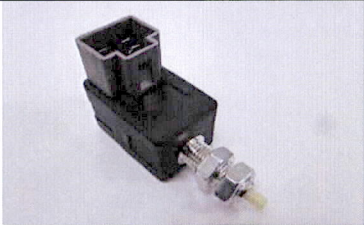
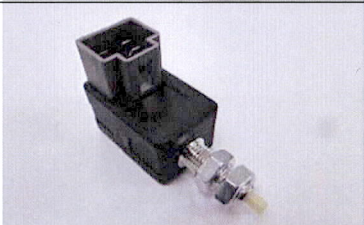
**SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

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	93810-3KR0AQQH		Gray
Azera (TG)	All	93810-3KR0AQQH		Gray



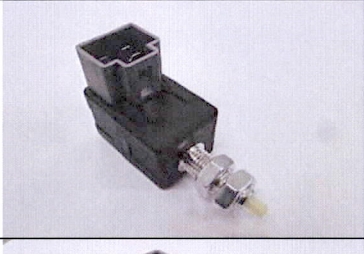
Elantra Sedan (HD)	With Cruise Control	93810-4DR0AQQH		Gray
	Without Cruise Control (Automatic Transmission)	93810-3KR0AQQH		Gray
	Without Cruise Control (Manual Transmission)	93810-26R0BQQH		Blue (with adapter harness)
Elantra Touring (FD)	With Cruise Control	93810-3KRWCQQH		Black (inc. ground wire)
	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	93810-3KR0AQQH		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	93810-3KR0AQQH		Gray

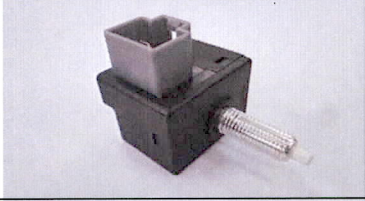
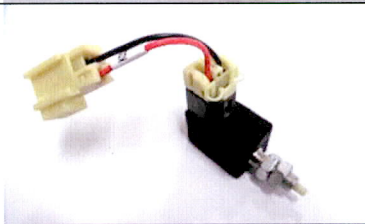
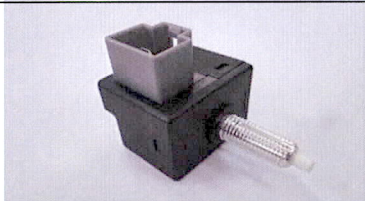
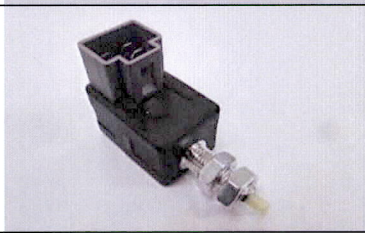



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Santa Fe (CMA)	2.4L 4-cylinder & 2.7L V6	Production Date Apr. 1, 2007 to Apr. 30, 2009	93810-3KR0BQQH		Blue
	3.3L V6 & 3.5L V6	Production Date May 1, 2009 to July 31, 2011	93810-3KR0AQQH		Gray
	All	Production Date Apr. 1, 2007 to July 31, 2011	93810-3KR0AQQH		Gray
Sonata (NFA)	All		93810-3KR0AQQH		Gray (Flange nut type)



**SUBJECT:**

**STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

Tiburon (GK)	With Cruise Control, With or Without ESC	93810- 4DR0AQQH		Gray
	Without Cruise Control, With ESC	93810- 3KR0AQQH		Gray
	Without Cruise Control, Without ESC	93810- 26R0AQQH		Gray (with adapter harness)
Tucson (JM)	With Cruise Control	93810- 4DR0AQQH		Gray
	Without Cruise Control	93810- 3KR0AQQH		Gray
Tucson (LM)	All	93810- 3KR0AQQH		Gray



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Veracruz (EN)	Non-Adjustable Pedal	93810-3KR0AQQH		Gray
	Adjustable Pedal	93810-3KRWAQQH		Gray (inc. ground wire)

**WARRANTY INFORMATION:**

OP CODE	OPERATION	OP TIME
31C017R0	STOP LAMP SWITCH REPLACEMENT	0.3 M/H
31C017R1	STOP LAMP SWITCH REPLACEMENT AND GROUND WIRE ADDITION	0.3 M/H
31C017R2	STOP LAMP SWITCH REPLACEMENT FOR EP WITH ADJUSTABLE PEDAL	0.5 M/H

**NOTE: Submit Claim on Campaign Claim Entry Screen**

**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.

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

**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.

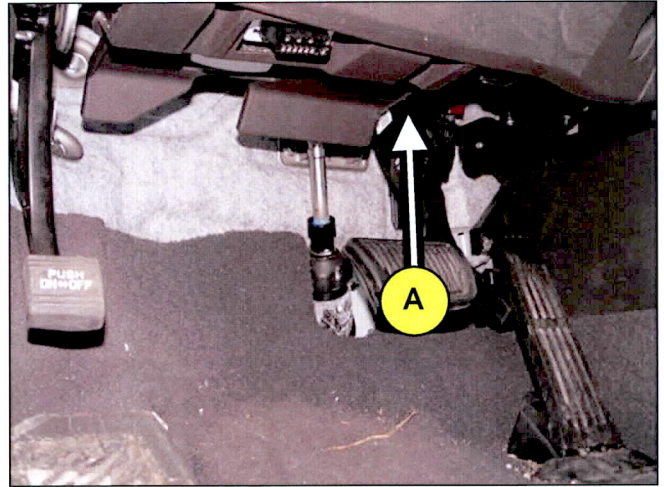
Locate the stop lamp switch (A) above the brake pedal assembly.

**Go to the page for the applicable model:**

Page 8: Entourage (EP) Genesis Coupe (BK), Genesis Sedan (BH), and Santa Fe (CMA)

Page 12: Accent (MC), Azera (TG), Elantra Sedan (HD), Elantra Touring (FD), Veracruz (EN), Sonata (NFA), Tiburon (GK), and Tucson (JM and LM)

Page 22: Sonata (YFA)

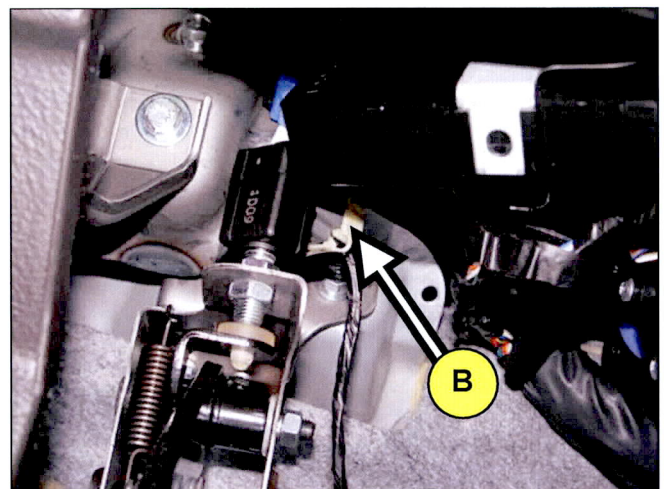


**Entourage (EP), Genesis Coupe (BK), Genesis Sedan (BH), and Santa Fe (CMA) ONLY**

**\* NOTE**

**-Entourage (EP) with adjustable pedals ONLY:**  
Remove the lower panel below the steering column according to the procedure on page 18; "Entourage (EP) With Adjustable Pedals ONLY". After panel removal, return to this page and continue with step 1.

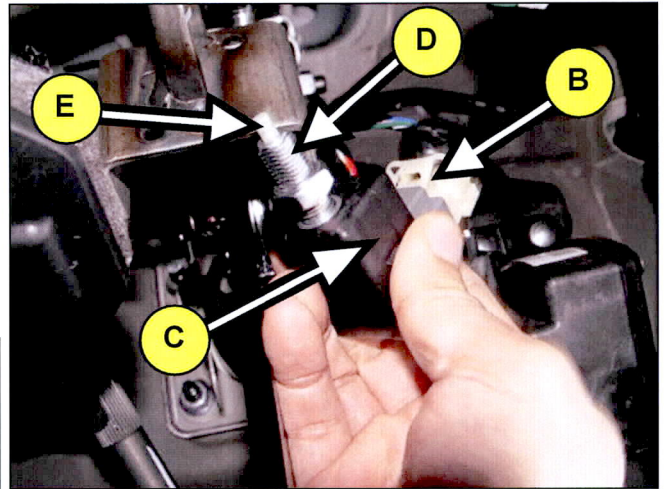
1. Disconnect the stop lamp switch connector (B).





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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**

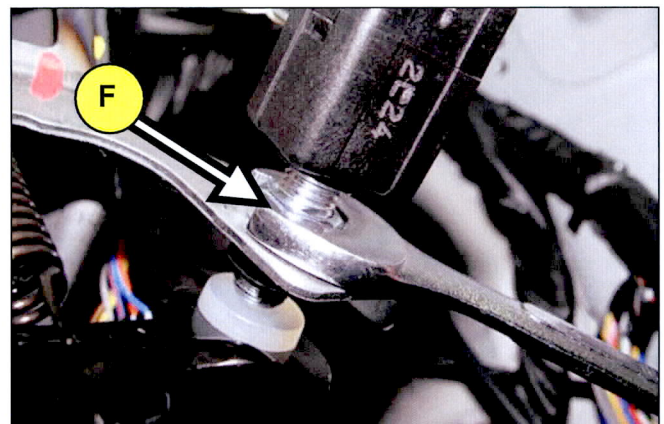
It might be necessary to clean the chassis ground to ensure that the threaded part of the new stop lamp switch is grounded properly.

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

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

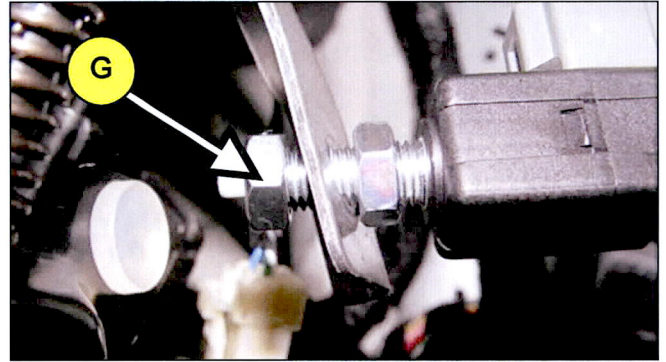
Model	Replacement Part		Alternative Part	
	Part No.	Connector Color	Part No.	Connector Color
Genesis Coupe, Genesis Sedan, Santa Fe	93810-3KR0AQQH	Gray	93810-3KR0BQQH	Blue
	93810-3KR0BQQH	Blue	93810-3KR0AQQH	Gray
Entourage	93810-3KRWBQQH	Blue	93810-3KRWAQQH	Gray

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

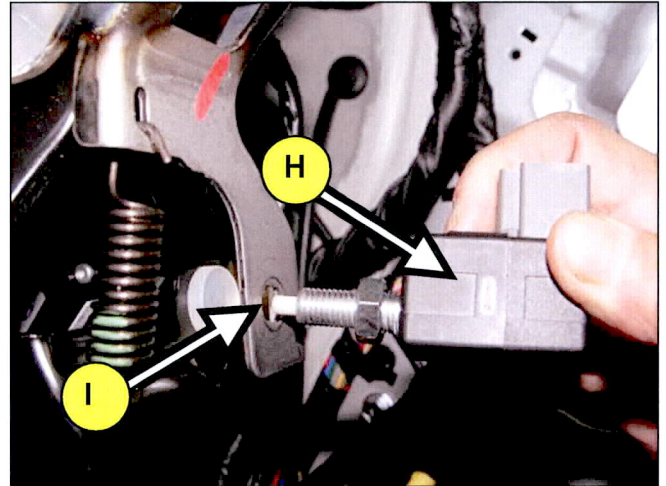


**SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

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



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**

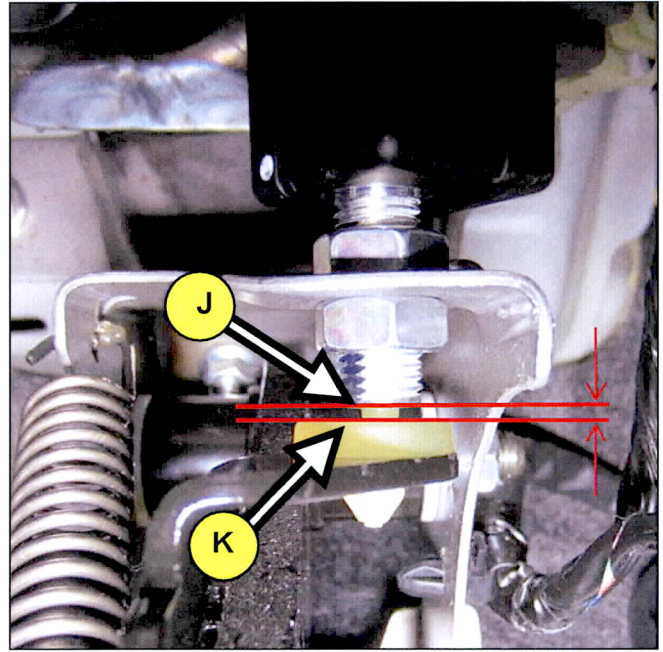
-Entourage (EP):  
Install the ground wire according to the procedures on page 17; "Installation of ground wire for Entourage (EP)". After installation of the ground wire, complete the stop lamp switch installation from step 7 on page 11.



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:**

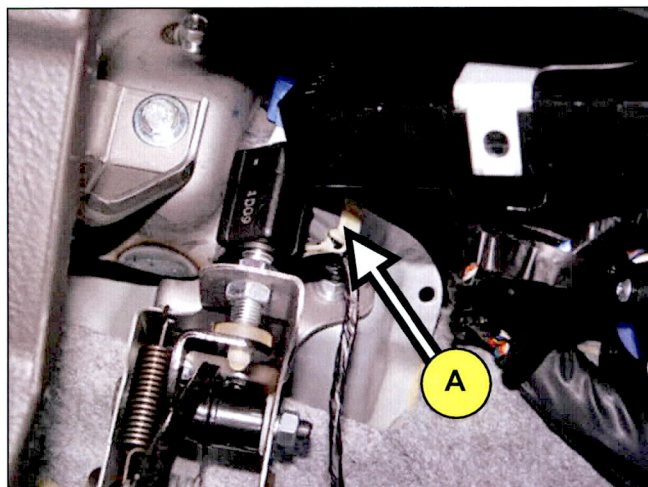
5.8 ~ 7.2 lb-ft (0.8 ~ 1.0 kgf.m, 7.8 ~ 9.8 Nm)

9. Verify that the rear brake lamps operate normally when applying the brake pedal.

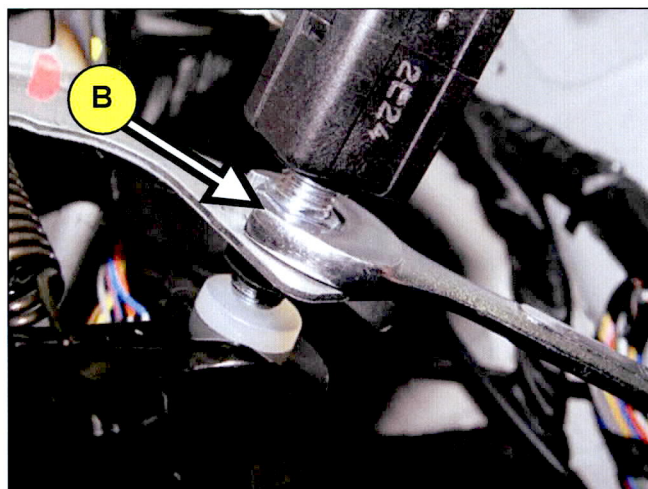
**SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

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

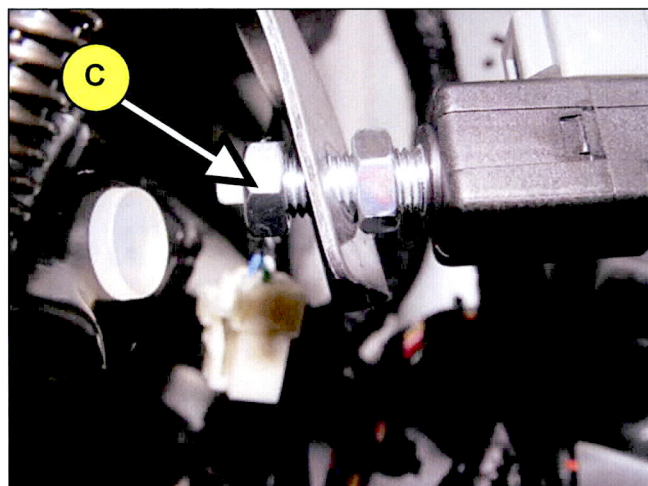
1. Disconnect the stop lamp switch connector (A).



2. Loosen the upper mounting nut (B).



3. Remove the lower mounting nut (C).





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

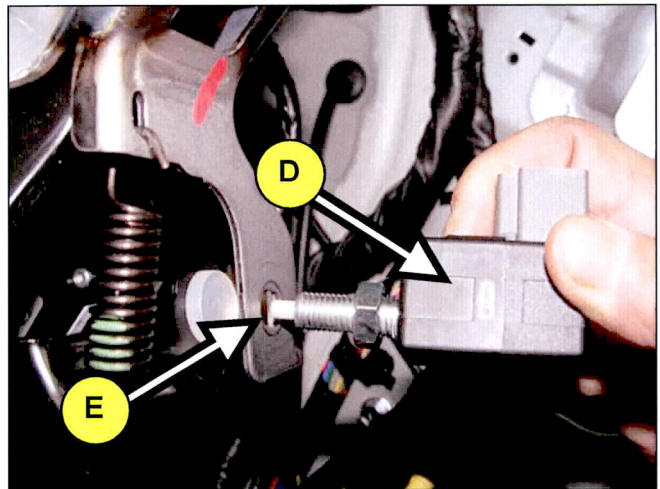
4. Remove the stop lamp switch assembly (D), and install the replacement stop lamp switch in reverse order of removal.

**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 16; “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 14.

**\* 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 15; “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 14.

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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:**

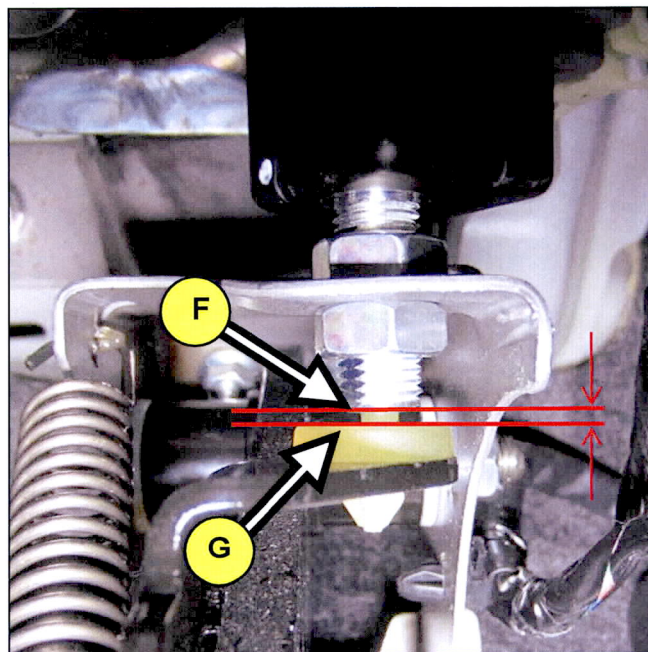
1.0 ~ 2.0 mm (0.04 ~ 0.08 in)

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. Verify that the rear brake lamps operate normally when applying the brake pedal.

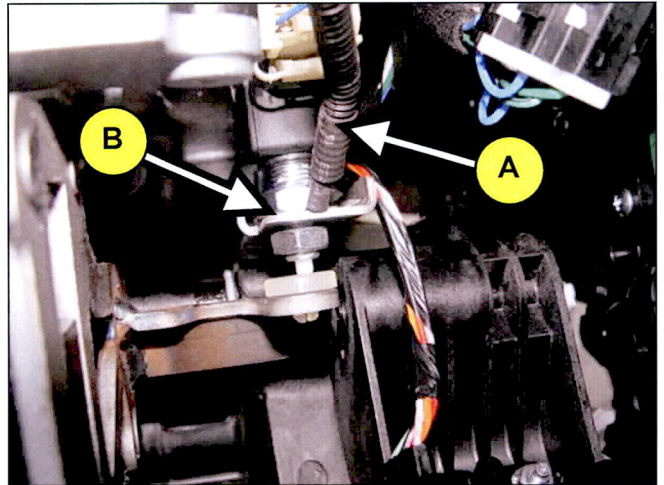




**SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

**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**

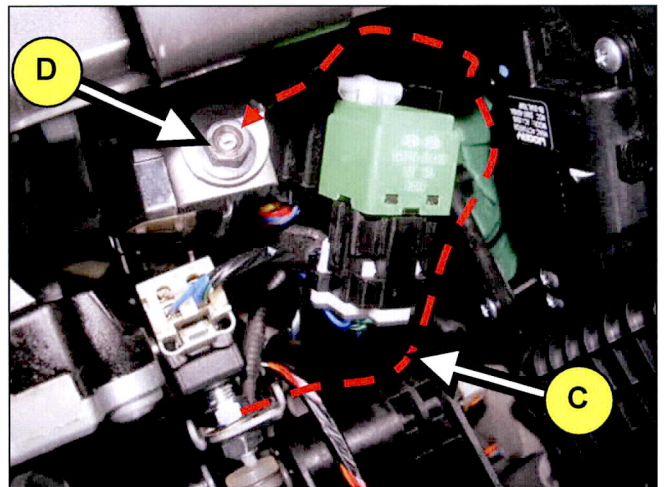
Make sure that the ground wire does not interfere with the brake and accelerator pedals.

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)

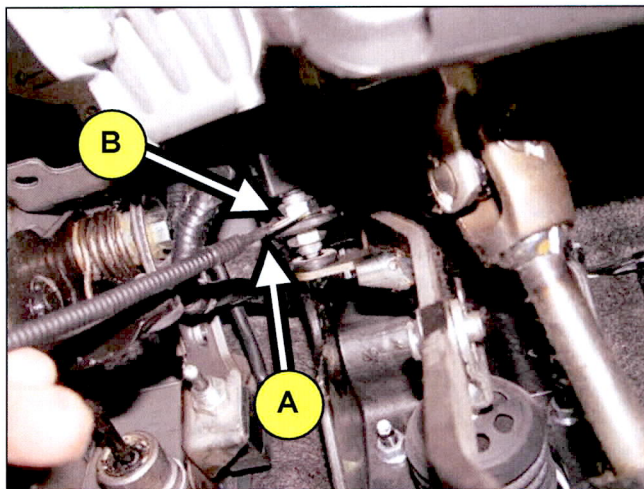
4. Return to step 5 on page 14 to complete the stop lamp switch installation.



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

**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).



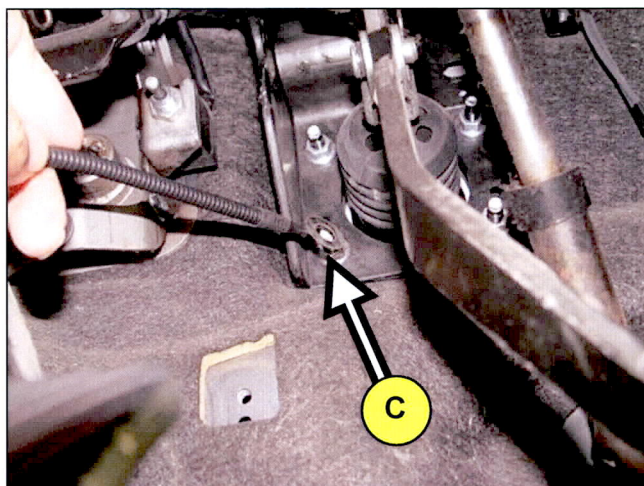
2. Remove the nut (C) located at the brake pedal mounting bracket and then connect the other end of the ground wire.

**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.**



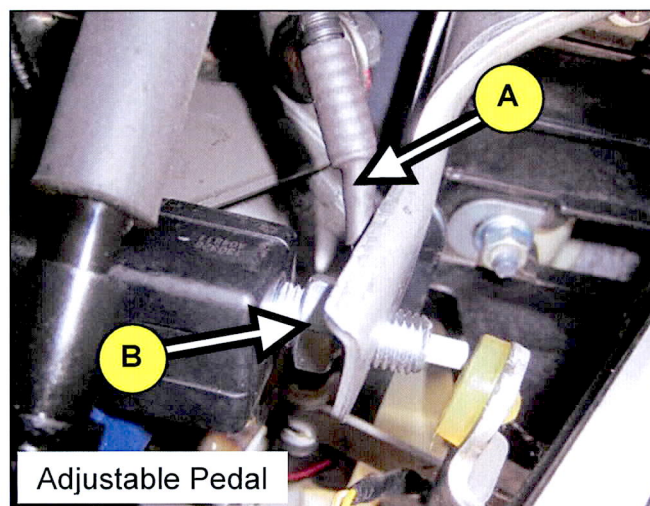
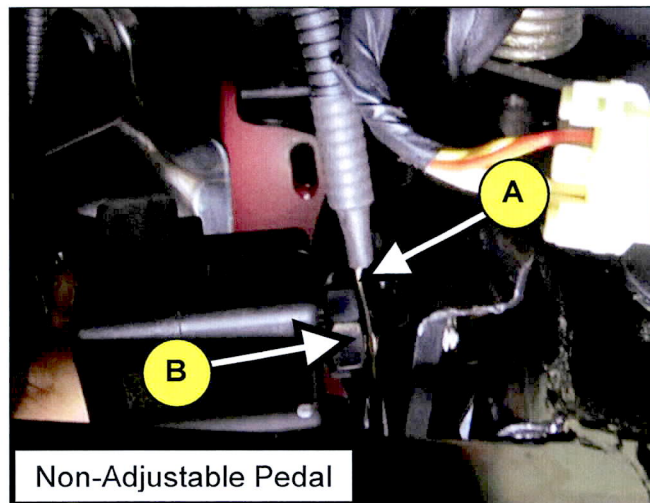
3. Return to step 5 on page 14 to complete the stop lamp switch installation.



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

**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).



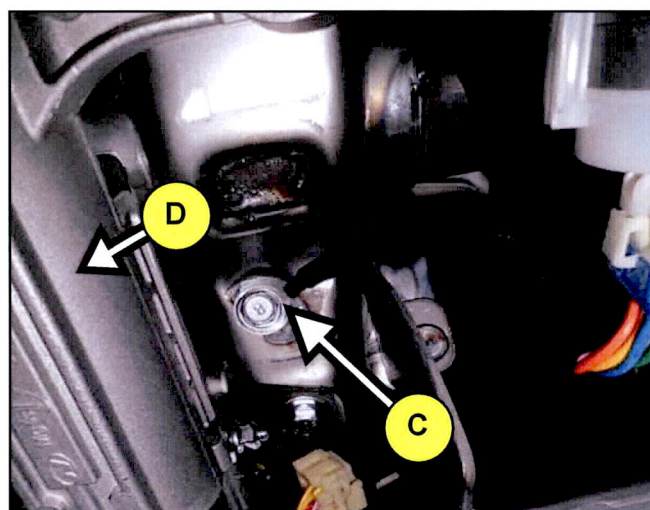
2. Remove the bolt (C) on the cowl cross bar near the steering column assembly (D) and connect the other end of the ground wire.

**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 11 to complete the stop lamp switch installation.



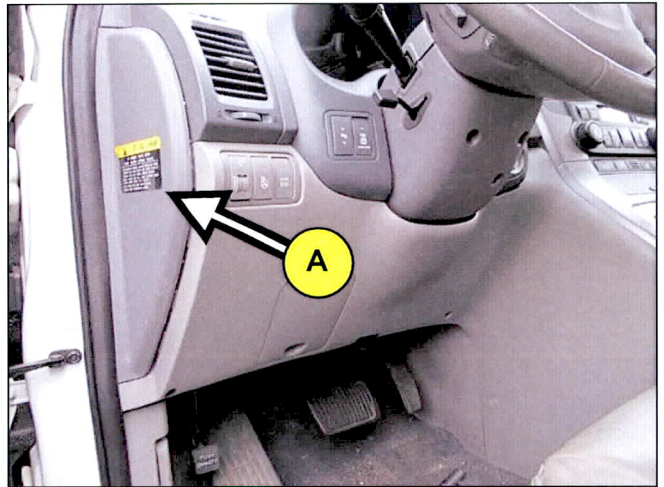
**SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

**Entourage (EP) With Adjustable Pedals ONLY**

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

**\* NOTE**

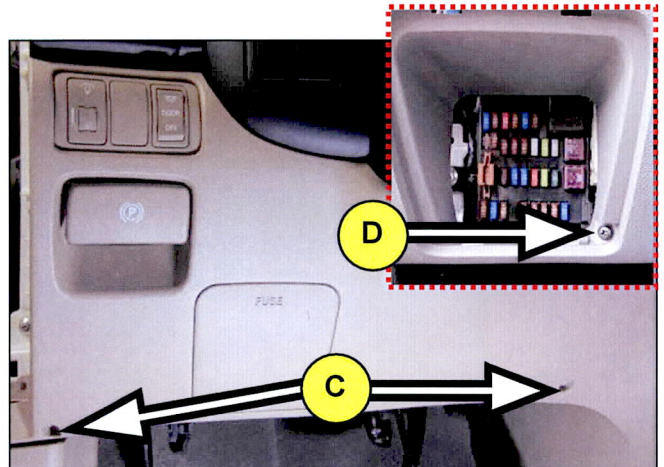
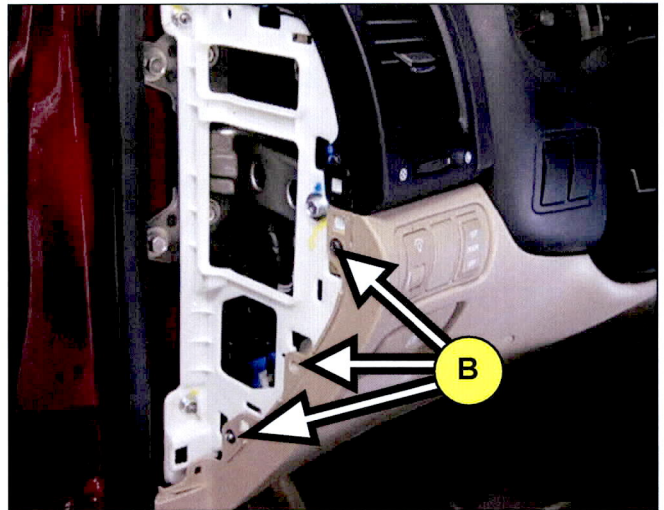
If additional information is needed for removal and reinstallation of interior trim, refer to the Body Interior sections in the Shop Manual.



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).

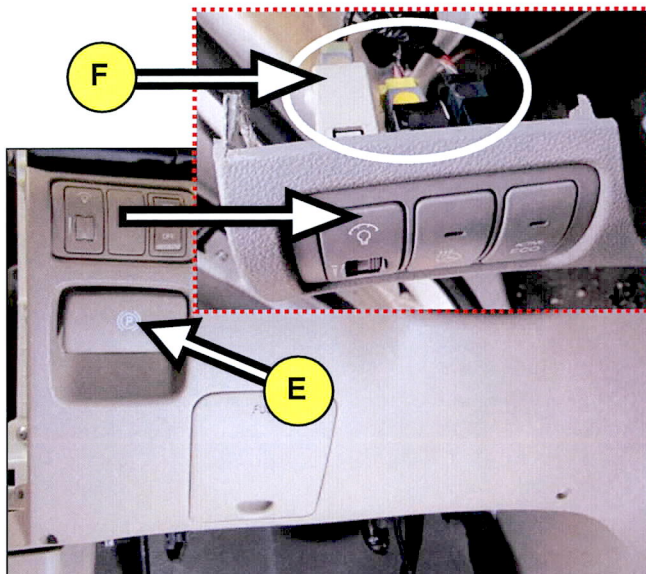
**Screw torque specification:**

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

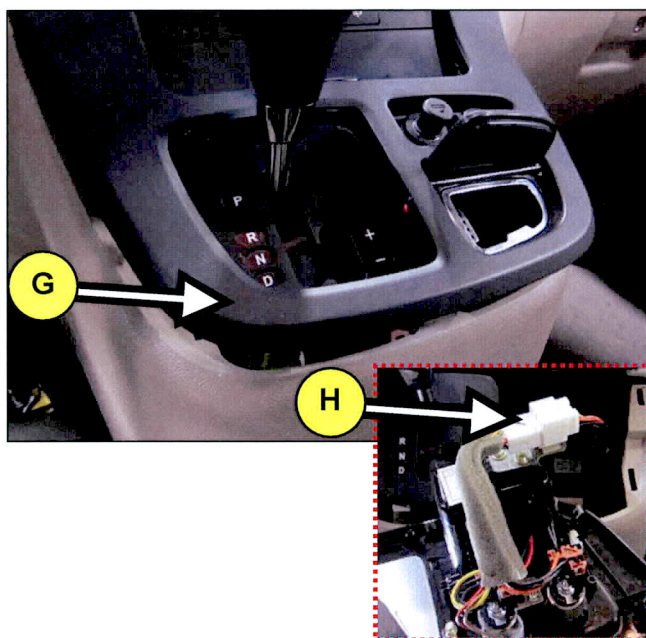




4. Carefully remove the lower panel. Slide the parking brake handle (E) off of the panel and then disconnect the switches (F). Set aside the lower panel.



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.



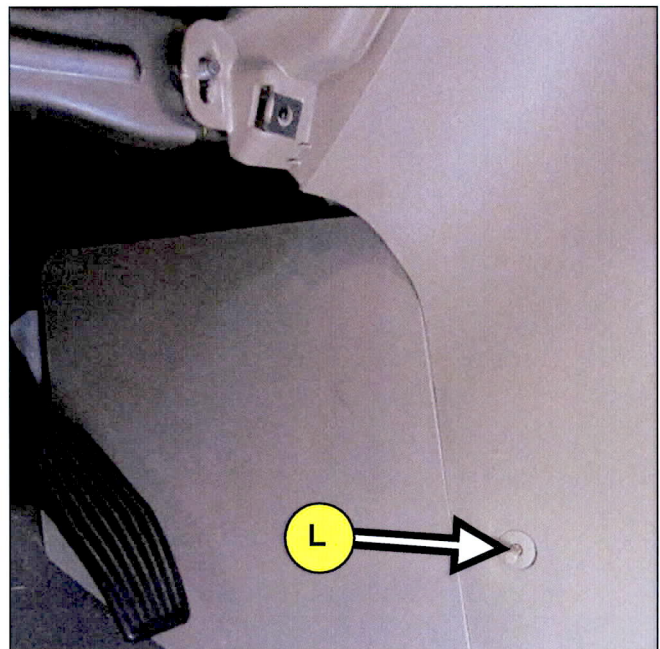
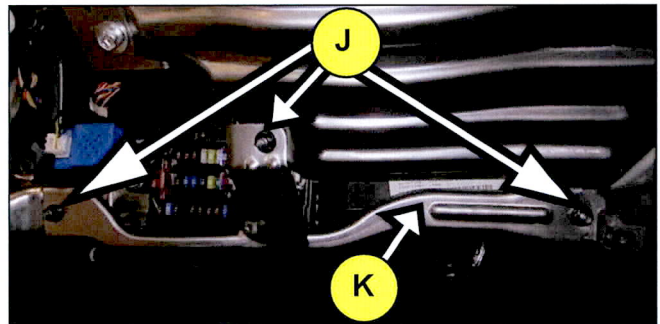
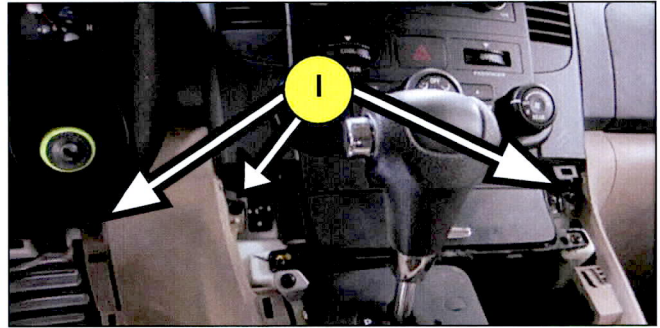
6. Remove the upper three screws (I) of the center floor console, the three nuts (J) of the lower brace (K) and lower left clip (L), holding the center floor console. Remove the lower brace.

**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)



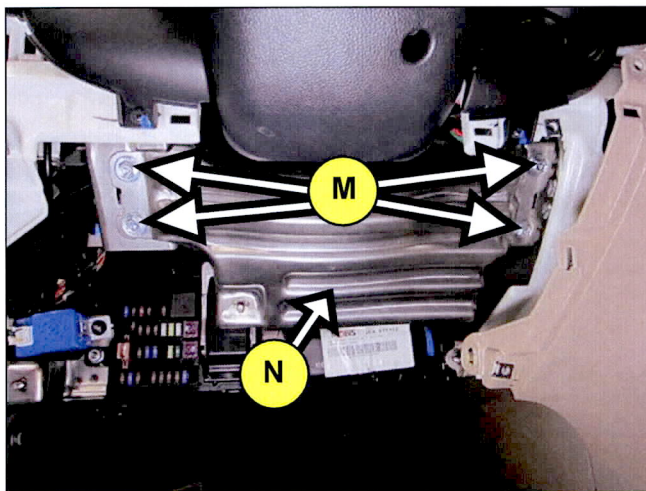


**SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

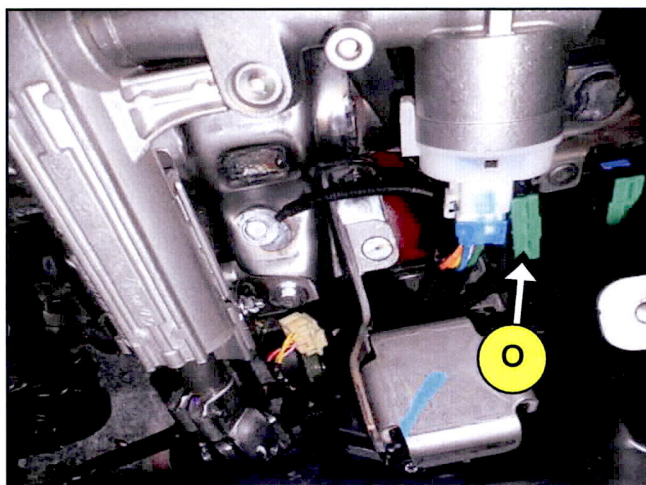
7. Move the center floor console to allow access to the two bolts on the right. Remove all four bolts (M). Remove the metal panel (N).

**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.

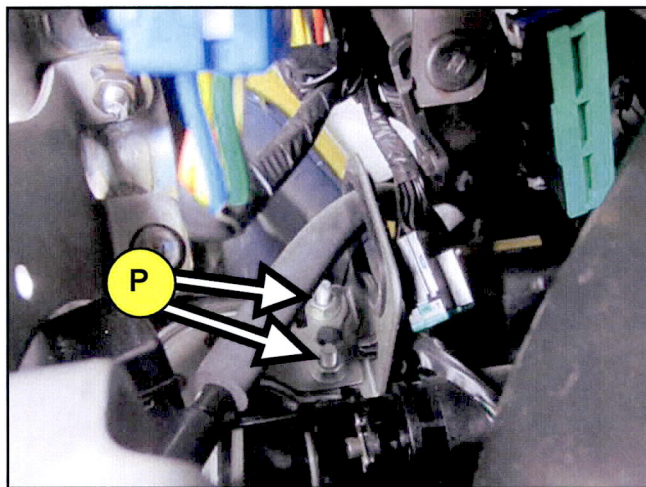


9. Using a universal joint on a ratchet, remove the two nuts (P) to loosen the stop lamp switch bracket. This will allow access to the stop lamp switch.

**Nut torque specification:**

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

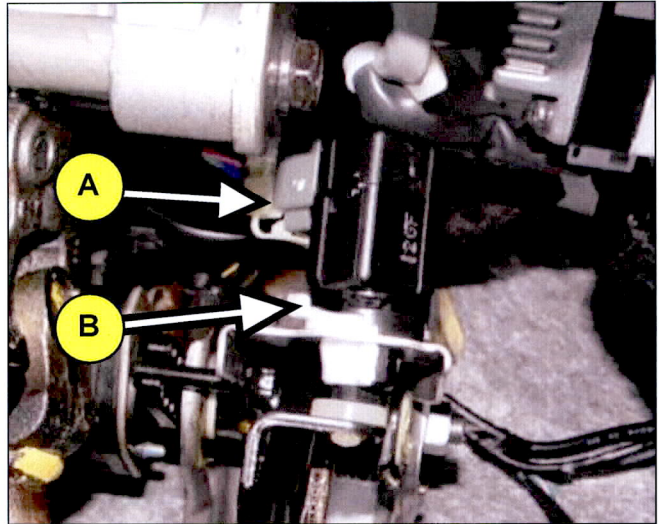
10. Return to page 8 and begin with step 1 to install the stop lamp switch. After installing the new stop lamp switch, reassemble the trim pieces in the reverse order of removal.



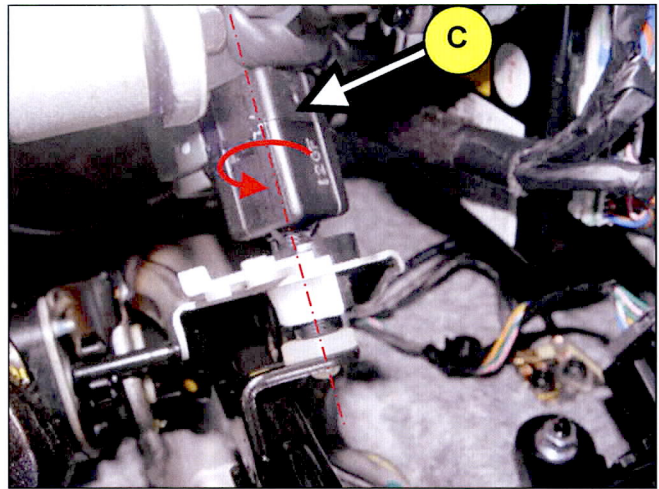
**SUBJECT: STOP LAMP SWITCH REPLACEMENT (RECALL 110)**

**Sonata (YFA) ONLY**

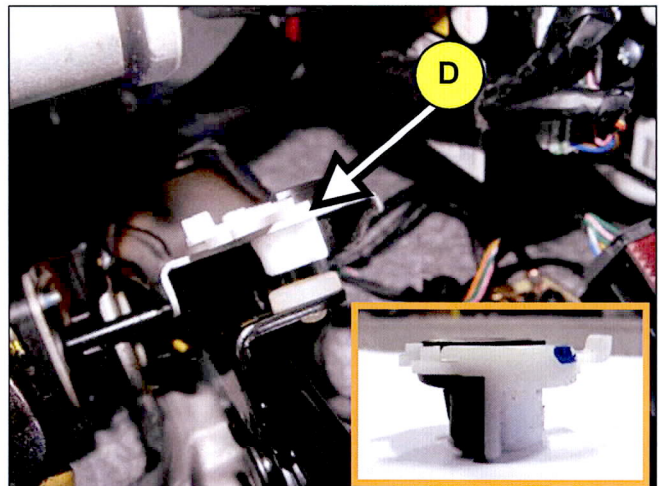
1. Disconnect the stop lamp switch connector (A) and slide out the locking tab (B).



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.





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

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.

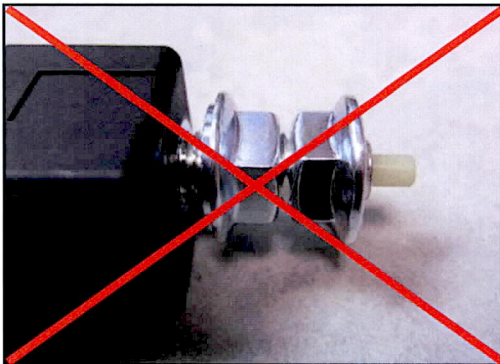
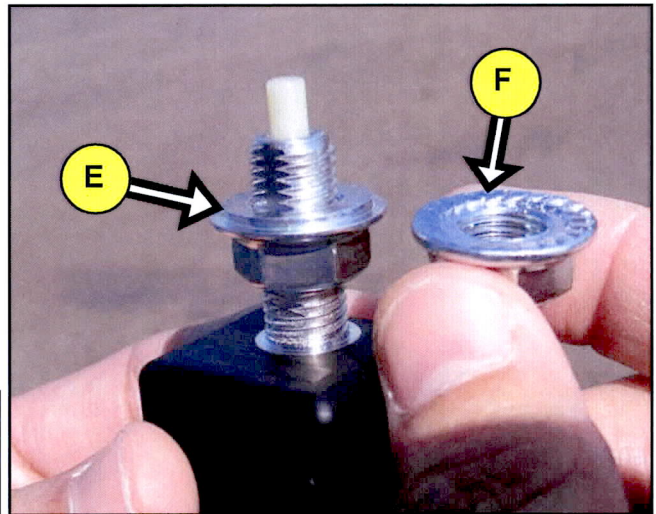
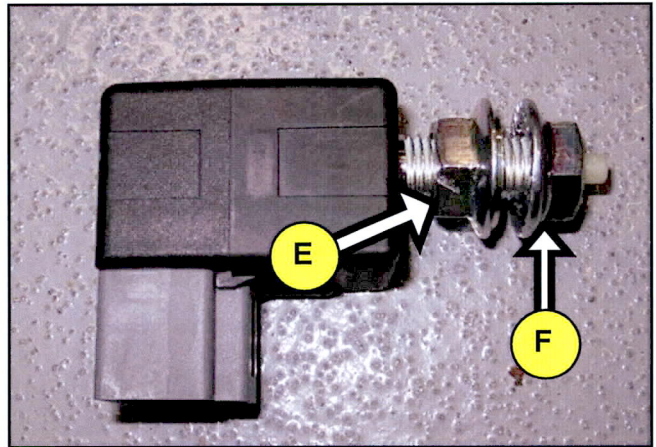
The outside nut (F) (farther from the switch body) has a serrated edge.

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)**

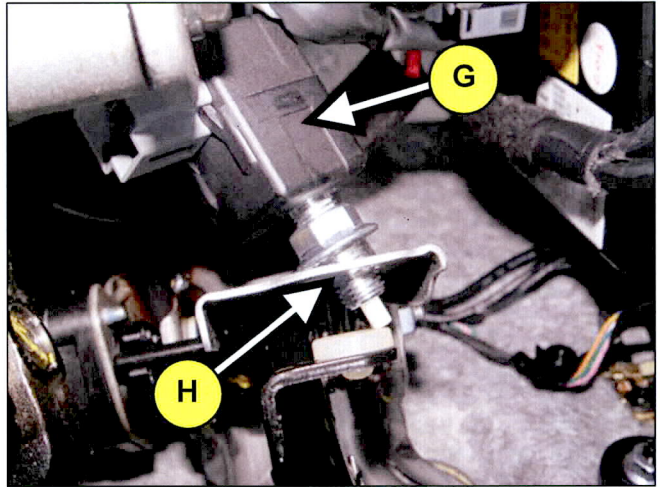
5. Locate the replacement stop lamp switch (G) and fasten the upper and lower mounting flange nuts.

**\* 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.

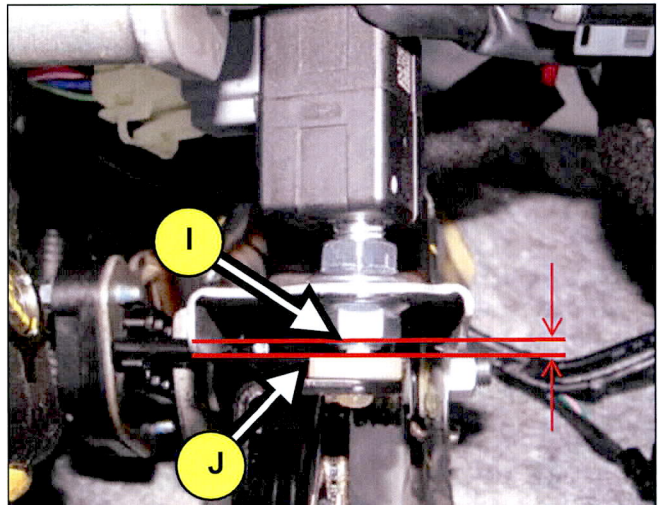
**\* NOTE**

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. Verify that the rear brake lamps operate normally when applying the brake pedal.