



GROUP  
Safety Recall Campaign

MODEL  
Various Models  
(See table on Pg. 2)

NUMBER  
SC 098 (REV 1, 11/4/2013)

DATE  
April 2013

## VOLUNTARY SAFETY RECALL CAMPAIGN

### STOP LAMP SWITCH REPLACEMENT (SC098)

#### \* 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 information relating to the replacement of the stop lamp switch on some 2007~2011MY Sportage (KM/SL), 2007~2010MY Rondo (UN), 2007~2009MY Amanti (GH), 2007~2011MY Sedona (VQ), 2010~2011MY Soul (AM), 2007~2011MY Sorento (BL/XM), 2009MY Borrego (HM), 2010MY Forte (TD) and 2008~2011MY Optima (MG/TF) vehicles within the production date ranges shown in the table on page 2. Carbonization of the point of contact for the stop lamp switch can intermittently interfere with electric current through the switch circuit. As a result, one of the switch functions can affect the vehicle's brake lights and they may not come on when the brake pedal is depressed or may remain illuminated when the pedal is released.

To correct this condition, and improve customer satisfaction, Kia is expanding this Safety Recall Campaign to replace the stop lamp switch on all affected vehicles.



#### \* 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.

#### \* NOTICE

To improve 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 or service actions that may need to be performed on the vehicle before returning it to the customer.

File Under: <Voluntary Safety Recall Campaign>

Circulate To:  General Manager  Service Manager  Parts Manager

Service Advisors  Technicians  Body Shop Manager  Fleet Repair

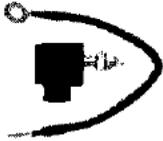
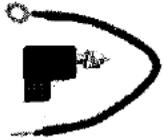
## STOP LAMP SWITCH REPLACEMENT (SC 098)

### REPLACEMENT PROCEDURES AND STOP LAMP SWITCH IDENTIFICATION

Three (3) replacement procedures using nine (9) different part numbers are covered in this Bulletin. Each procedure covers specific vehicle models and stop lamp switch parts.

Procedure No.	Model	Prod. Date Range	Part No.	Figure	Remarks
1	Soul (AM)	Jan. 8, 2009 ~ Feb. 27, 2009	93810 4DR0BQQK		Blue Connector
		Feb. 28, 2009 ~ Jun. 14, 2011	93810 4DR0AQQK		Gray Connector
	Sportage (KM)	Jan. 31, 2007 ~ Jan. 26, 2010	93810 4DR0AQQK		Gray Connector
	Rondo (UN)	Jan. 31, 2007 ~ Jul. 30, 2010	93810 3KRWAQQK		Gray Connector w/Ground Wire
	Sorento (BL)	Nov. 21, 2006 ~ Dec. 15, 2008	93810 3KR0BQQK		Blue Connector
	Sorento (XM)	Oct. 24, 2009 ~ Jun. 24, 2011	93810 3KR0AQQK		Gray Connector
	Sportage (SL)	May 6, 2010 ~ Mar. 6, 2011	93810 3KR0AQQK		Gray Connector
	Forte (TD)	Feb. 24, 2009 ~ Sep. 6, 2010	93810 3KR0AQQK		Gray Connector
	Optima (MG)	May 31, 2007 ~ Apr. 29, 2010	93810 4DR0AQQK		Gray Connector
	Amanti (GH)	Nov. 21, 2006 ~ Jun. 2, 2009	93810 3KR0BQQK		Blue Connector

## STOP LAMP SWITCH REPLACEMENT (SC098)

Procedure No.	Model	Prod. Date Range	Part No.	Figure	Remarks
1	Borrego (HM)	May 2, 2008 ~ Jan. 20, 2009	93810 3KRWBQQK		Non Adjustable Pedal Blue Connector – w/Ground Wire
		May 2, 2008 ~ Jan. 20, 2009	93810 3KR0BQQK		Adjustable Pedal Blue Connector
	Sedona (VQ)	Nov. 21, 2006 ~ Mar. 31, 2009	93810 3KRWBQQK		Non Adjustable Pedal Blue Connector – w/Ground Wire
		Apr. 1, 2009 ~ Dec. 31, 2010	93810 3KRWAQQK		Non Adjustable Pedal Gray Connector – w/Ground Wire
2	Sedona (VQ)	Nov. 21, 2006 ~ Mar. 31, 2009	93810 4DRWBQQK		Adjustable Pedal Blue Connector – w/Ground Wire
		Apr. 1, 2009 ~ Dec. 31, 2010	93810 4DR0AQQK & 32800 W0005QQK*		Adjustable Pedal Gray Connector – w/Ground Wire
3	Optima (TF)	Aug. 12, 2010 ~ Apr. 24, 2011	93810 3SR0AQQK		Gray Connector w/Flange Nuts

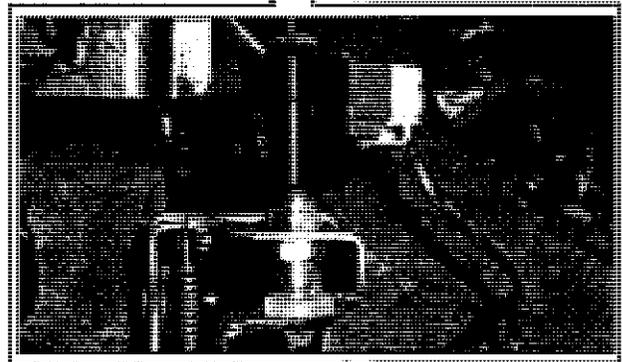
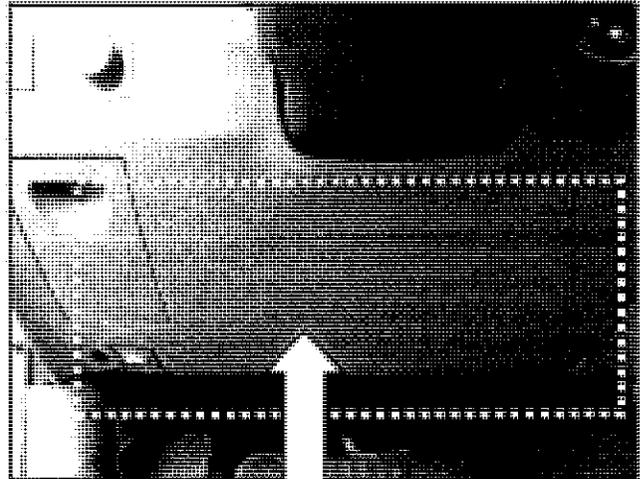
\*Part numbers 93810 4DR0AQQK and 32800 W0005QQK must be ordered together.

# STOP LAMP SWITCH REPLACEMENT (SC 098)

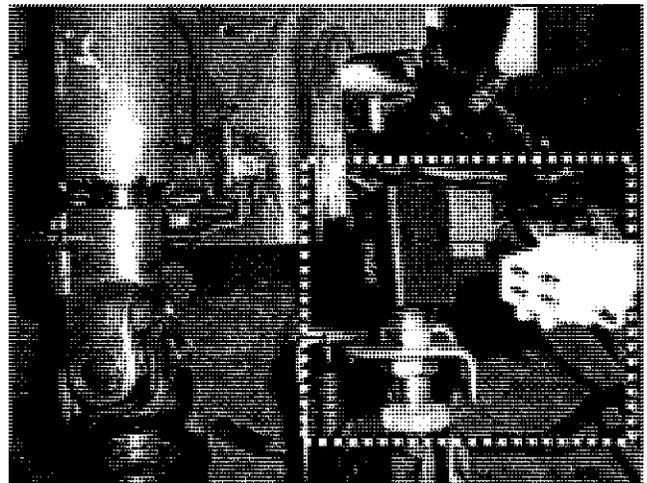
**Replacement Procedure 1- Applies to all models, except Sedona (VQ) w/adjustable pedals and Optima (TF) vehicles.**

1. Turn the ignition switch to the OFF position and slide the driver's seat as far back as possible.
2. Locate the stop lamp switch under the driver's lower panel.

**★ NOTICE**  
Images shown are for demonstration purposes ONLY and will vary in appearance by model.

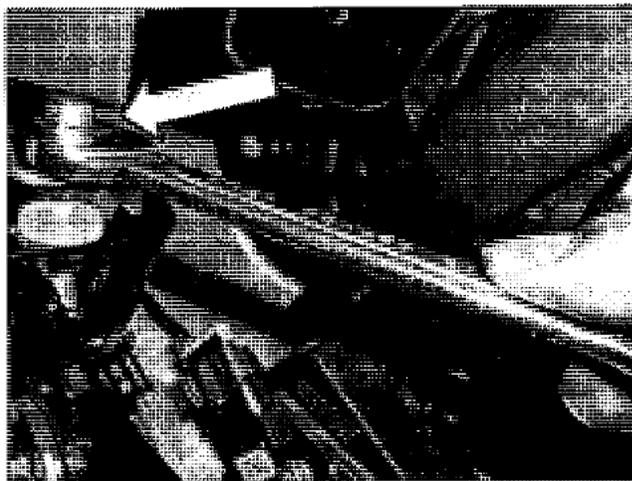


3. Disconnect the stop lamp switch wiring connector.

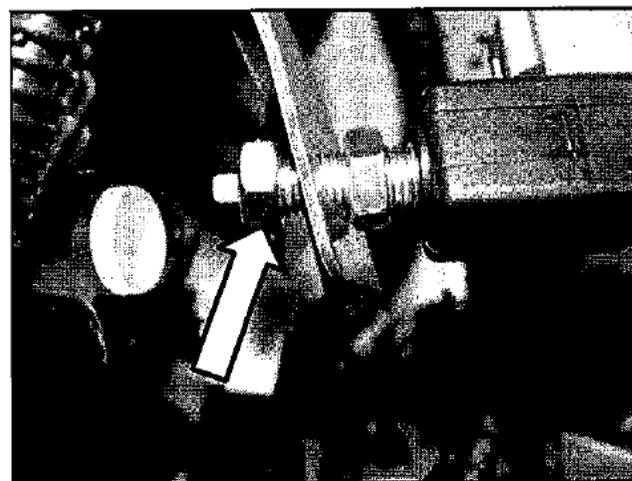


## STOP LAMP SWITCH REPLACEMENT (SC098)

- Using an open end wrench, loosen the upper mounting nut for the stop lamp switch.



- Remove the lower mounting nut for the stop lamp switch.



- Remove the stop lamp switch assembly by pulling it away from the mounting bracket, as shown.

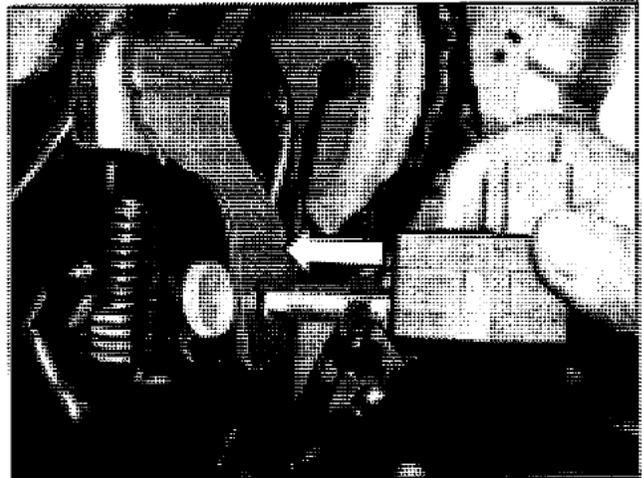


## STOP LAMP SWITCH REPLACEMENT (SC 098)

7. Install the new stop lamp switch assembly by reversing the order of removal.

### \* NOTICE

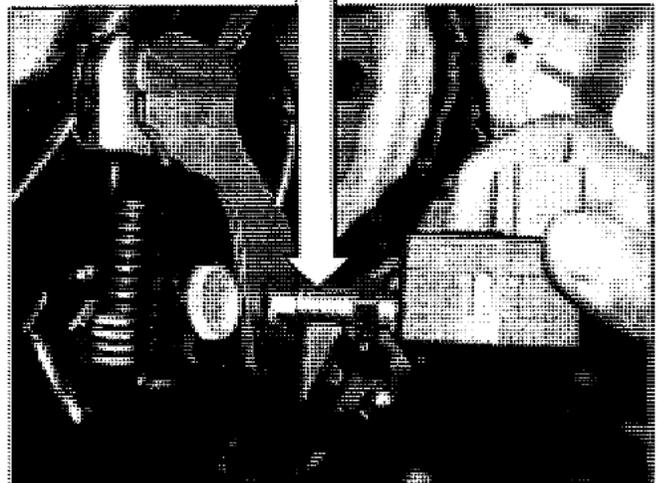
**For Soul Vehicles ONLY:** If stop lamps remain on without brake pedal being depressed, the switch polarity may be incorrect; if so, select the other (Soul) switch P/N.



### \* NOTICE

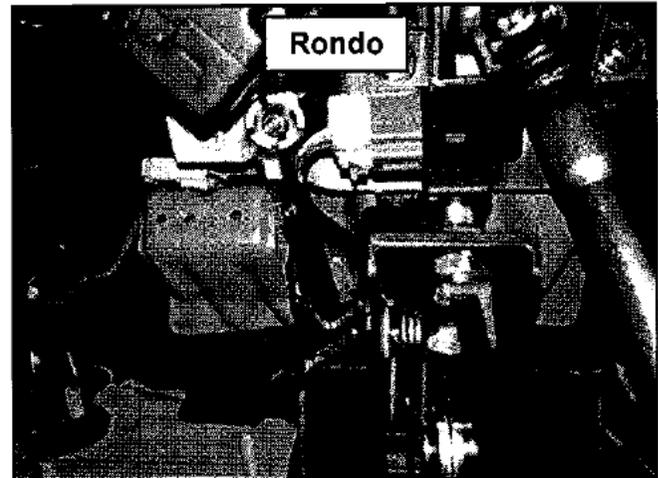
Steps 8, 9, 10 & 11 apply **ONLY** to Rondo, Sedona (non-adjustable pedal) and Borrego (non-adjustable pedal) vehicles. For other vehicles, proceed to step 12.

8. Install one end of the ground wire between the stop lamp's upper mounting nut and the mounting bracket, as shown.



## STOP LAMP SWITCH REPLACEMENT [SC098]

9. On Rondo vehicles, locate and remove the mounting nut for the BCM and install the other end of the ground wire to the stud. Reinstall and tighten the nut.



### \* NOTICE

Failure to properly install ground wire may result in improper brake lamp operation.

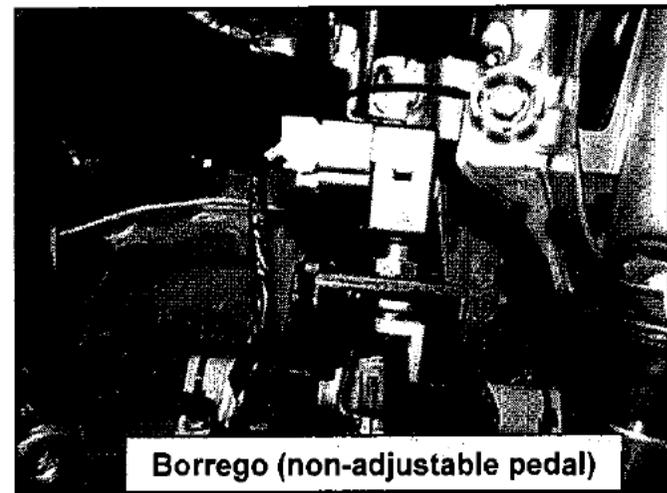
10. On Sedona (non-adjustable pedal) vehicles, remove the bolt identified in the image and install the other end of the ground wire to the bolt. Reinstall the bolt and tighten it.

**Tightening torque:**  
13 ~ 18 Nm (9.6 ~ 13.2 lb-ft)



11. On Borrego vehicles (non-adjustable pedal), remove the bolt identified in the image and install the other end of the ground wire to the bolt. Reinstall the bolt and tighten it.

**Tightening torque:**  
13 ~ 18 Nm (9.6 ~ 13.2 lb-ft)

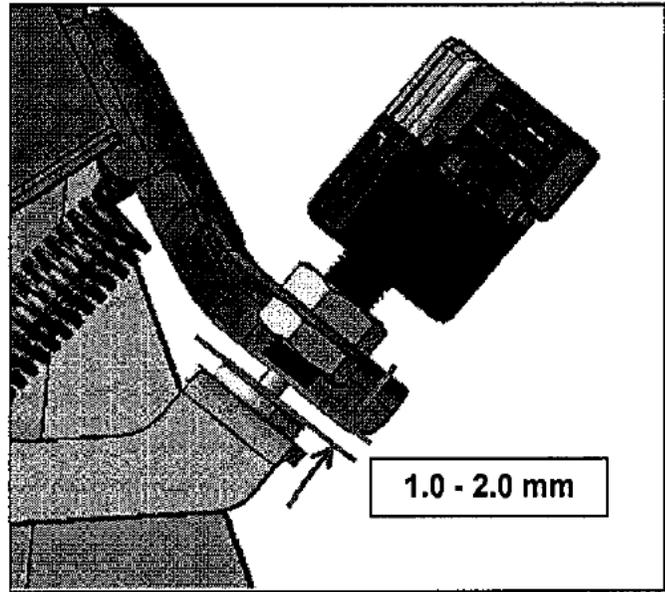


## STOP LAMP SWITCH REPLACEMENT (SC 098)

- Adjust the gap to 1.0 - 2.0 mm (0.04" - 0.08") between the stop lamp switch lower mounting end and the brake pedal switch stopper, without applying the brake pedal.

**\* NOTICE**

Failure to properly adjust the switch may result in check engine and/or ESC malfunction indicator lamp illumination.



- Check for proper function of all stop lamps before releasing the vehicle to the customer and address any concern that may interfere with proper brake lamp operation.

### Replacement Procedure 2 – Applies to Sedona (VQ) Vehicles with Adjustable Pedals.

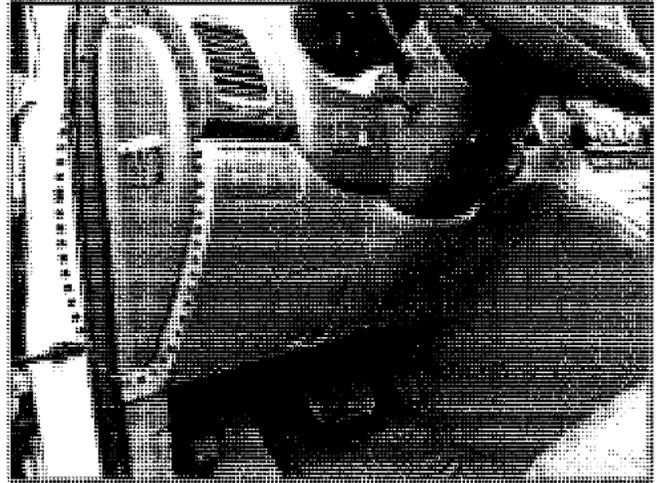
- Turn the ignition switch to the OFF position and slide the driver's seat as far back as possible.

**\* NOTICE**

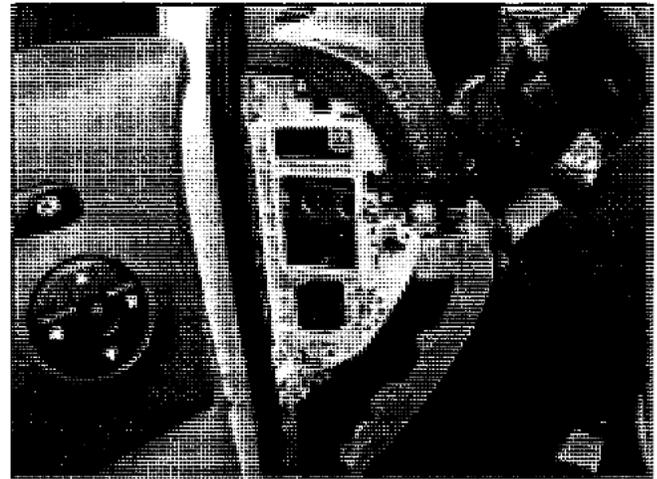
Record the customer's radio presets.

**STOP LAMP SWITCH REPLACEMENT (SC098)**

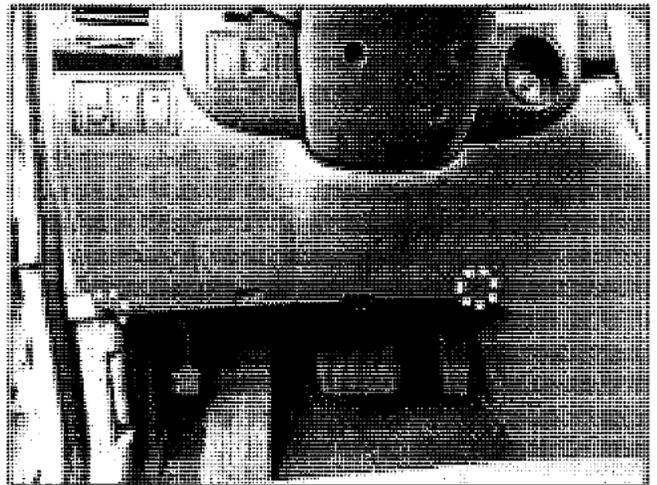
2. Disconnect the negative (-) terminal from the battery.
3. Remove the left hand side cover.



4. Remove three (3) screws securing the lower panel on the left hand side, as shown.

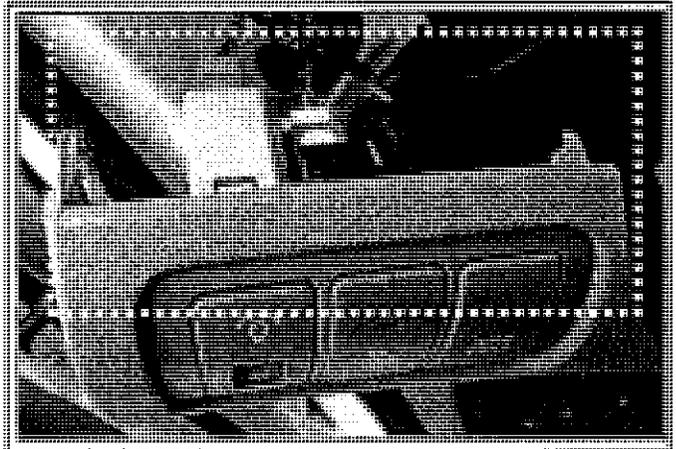


5. Remove two (2) screws securing the lower panel to the lower mounting locations on the dash.

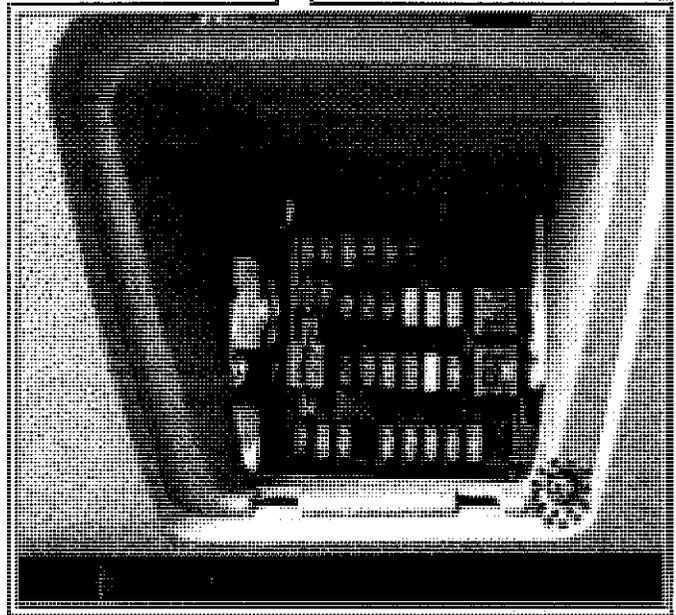
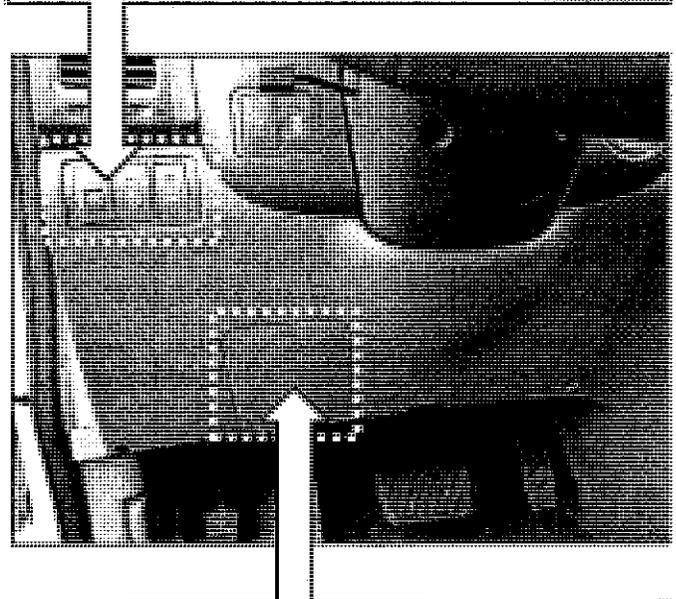


# STOP LAMP SWITCH REPLACEMENT [SC 098]

- 6. Carefully remove the switch panel from the dash and remove three (3) connectors from behind the switches.

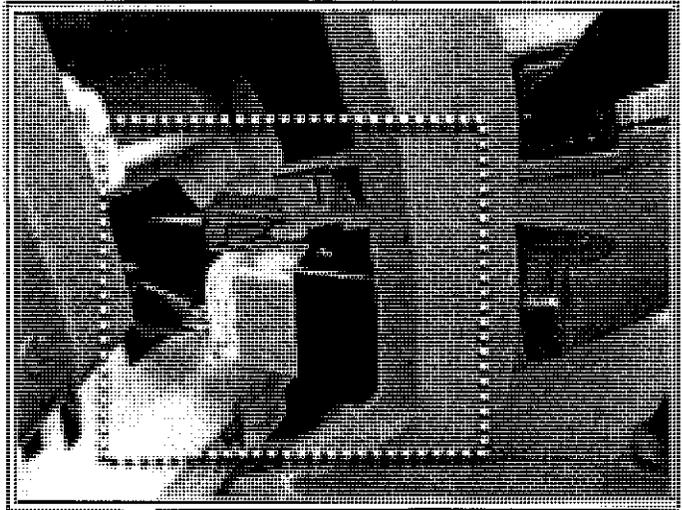


- 7. Remove the fuse box cover and remove one (1) screw securing the lower panel.

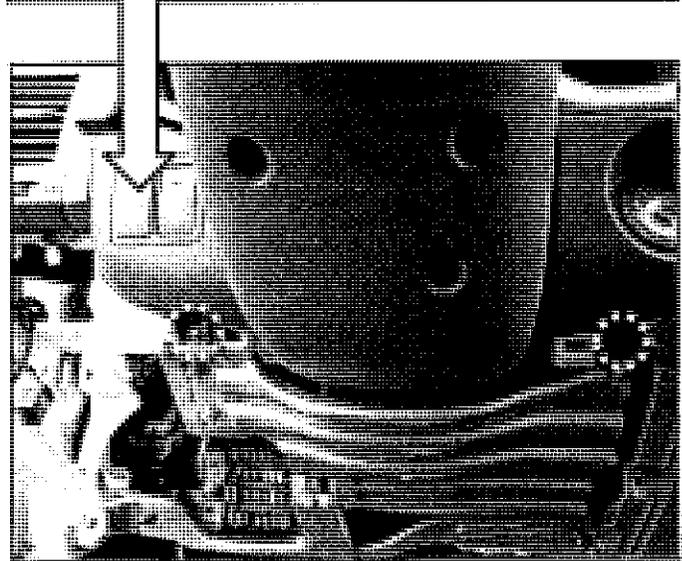


**SUBJECT STOP LAMP SWITCH REPLACEMENT (SC098)**

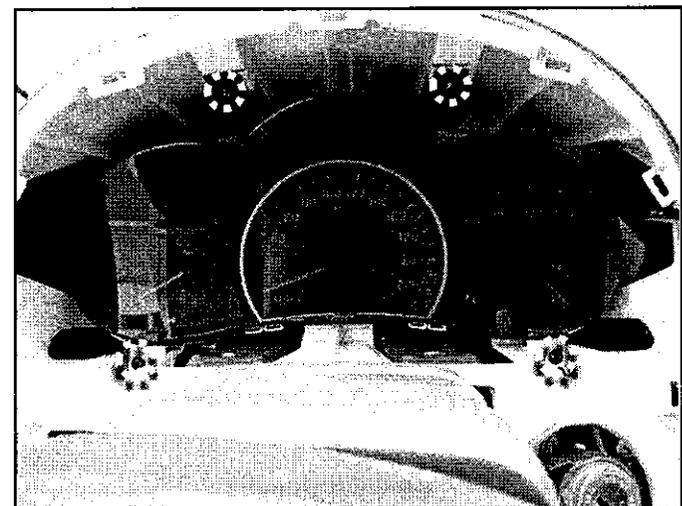
8. Carefully remove the switch panel from the dash and remove two (2) connectors from behind the switches.



9. Remove two (2) screws securing the lower mounting points for the cluster bezel and remove the cluster bezel.

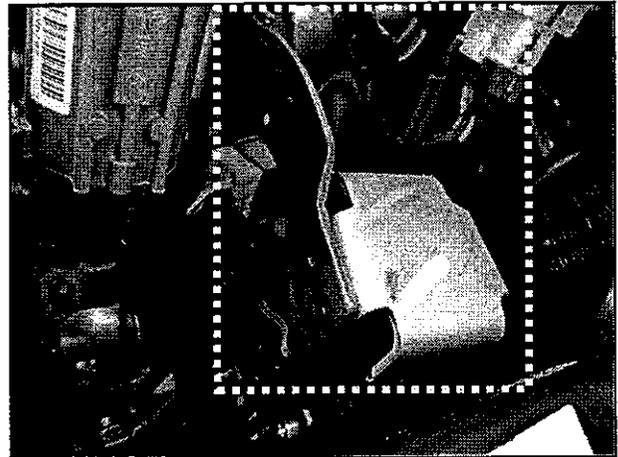


10. Carefully remove four (4) screws securing the cluster and remove the connector from the back of the cluster.

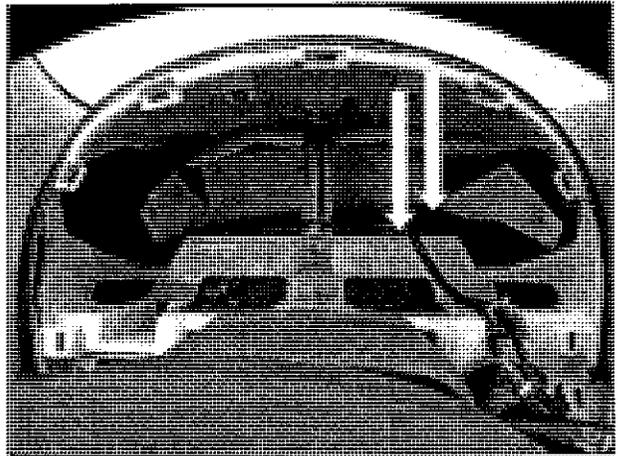


## STOP LAMP SWITCH REPLACEMENT [SC 098]

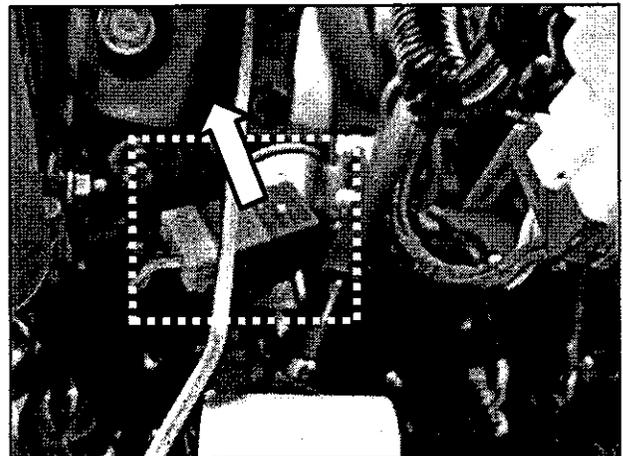
11. Locate the brake pedal stopper bracket underneath the dash and note its mounting location in the area behind the cluster opening.



12. Locate one (1) 12mm hex head bolt and one (1) 12mm nut securing the brake pedal stopper bracket to the dash frame. Remove the bolt but ONLY loosen the nut to allow for the stopper bracket to move freely.



13. Move the brake pedal stopper bracket to the left to gain access to the stop lamp switch.

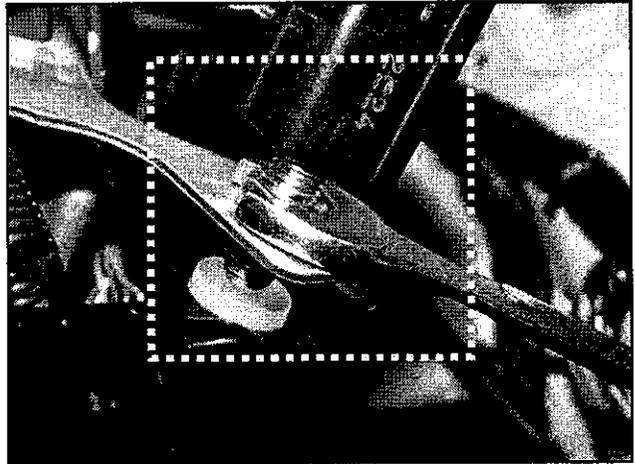


**SUBJECT: STOP LAMP SWITCH REPLACEMENT [SC098]**

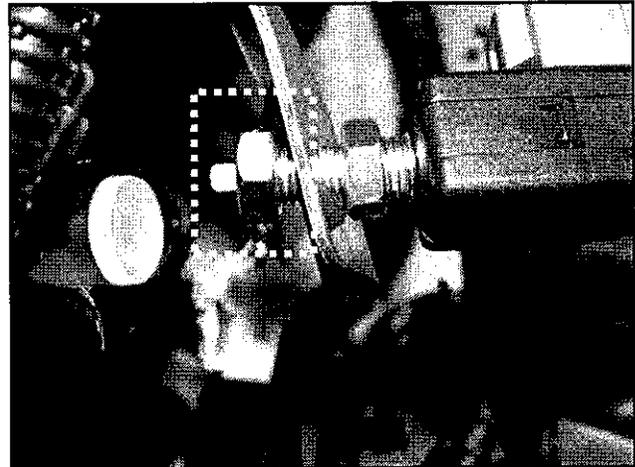
14. Using an open end wrench, loosen the upper mounting nut for the stop lamp switch.

**\* NOTICE**

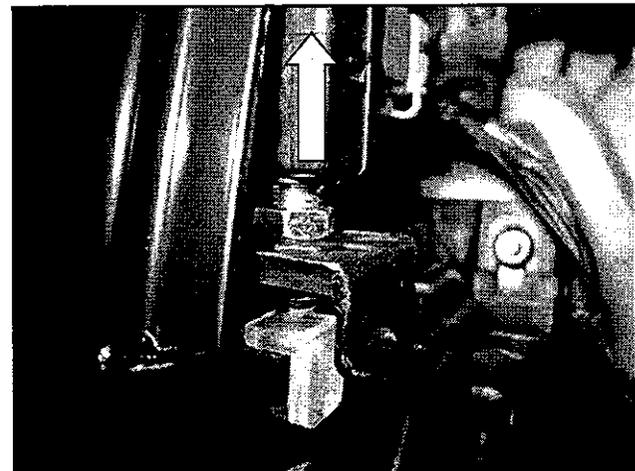
Images shown are for demonstration purposes ONLY and will vary in appearance by model.



15. Remove the lower mounting nut for the stop lamp switch.

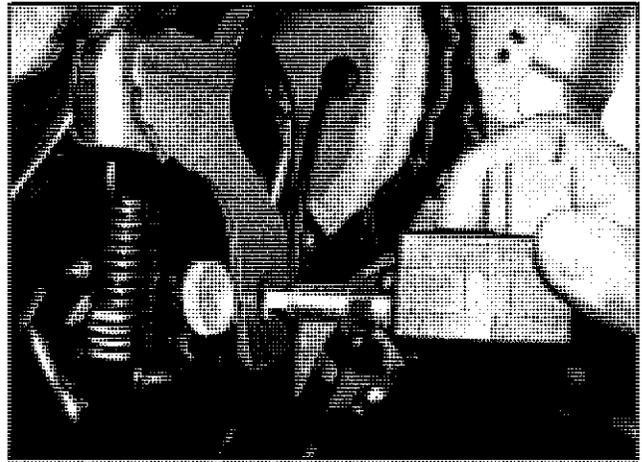


16. Remove the stop lamp switch assembly by pulling it away from the mounting bracket, as shown.

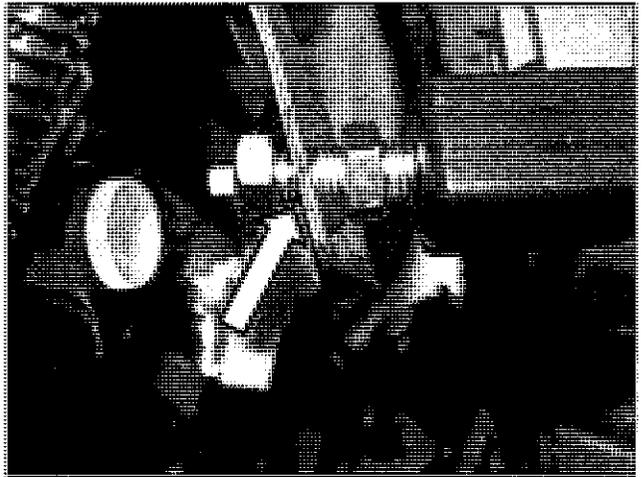


**SUBJECT: STOP LAMP SWITCH REPLACEMENT (SC 098)**

17. Install the new stop lamp switch assembly by reversing the order of removal.



18. Install one end of the ground wire between the stop lamp's upper mounting nut and the mounting bracket, as shown.



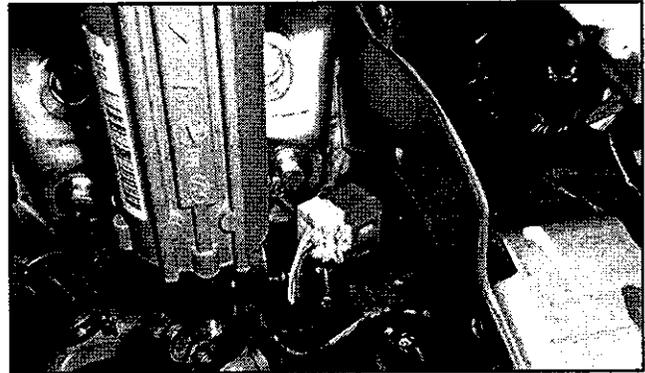
19. Remove the bolt identified in the image and install the other end of the ground wire to the bolt. Reinstall and tighten the bolt.

**Tightening torque:**  
**13 ~ 18 Nm (9.6 ~ 13.2 lb-ft)**



**STOP LAMP SWITCH REPLACEMENT [SC098]**

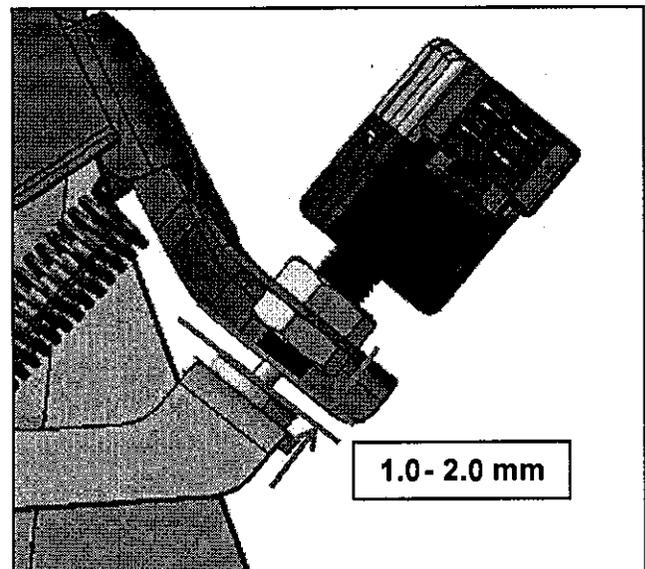
20. Position the stop lamp switch in the orientation shown to maximize the clearance between the switch and the brake pedal stopper bracket.



21. Adjust the gap to 1.0 - 2.0 mm (0.04" - 0.08") between the stop lamp switch lower mounting end and the brake pedal switch stopper, without applying the brake pedal.

**\* NOTICE**

Failure to properly adjust the switch may result in check engine and/or ESC malfunction indicator lamp illumination.

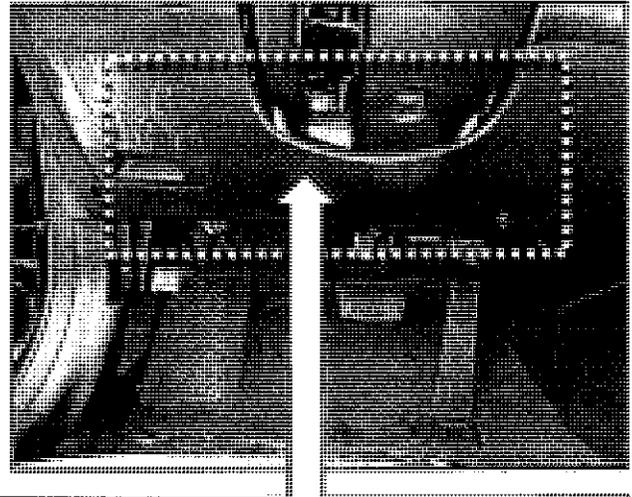


22. Reinstall all removed components by reversing the order of removal.
23. Check for proper function of all stop lamps before releasing the vehicle to the customer and address any concern that may interfere with proper brake lamp operation.
24. Reconnect the negative (-) battery terminal and reprogram the customer's radio presets.

# STOP LAMP SWITCH REPLACEMENT [SC 098]

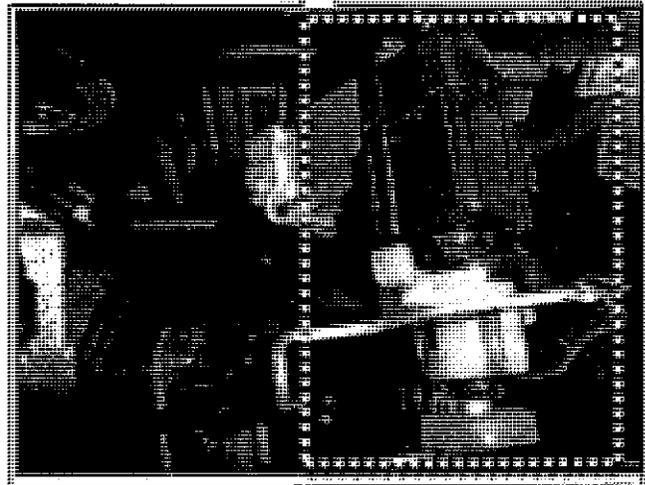
## Replacement Procedure 3 – Applies to Optima (TF) Vehicles

1. Turn the ignition switch to the OFF position and slide the driver's seat as far back as possible.
2. Locate the stop lamp switch under the driver's lower panel.

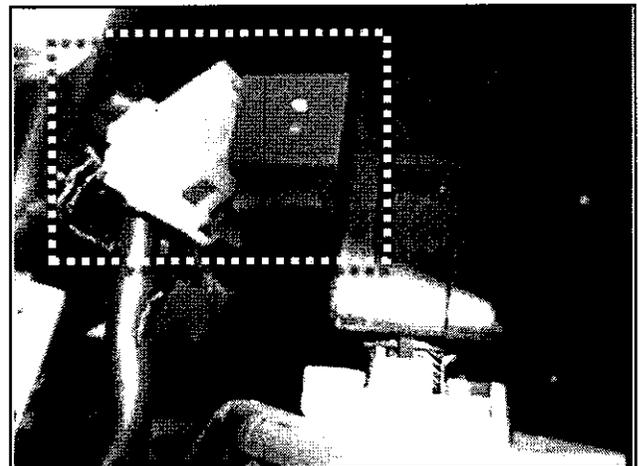


**\* NOTICE**

Note the orientation of the stop lamp switch and reinstall the new switch in the same orientation.

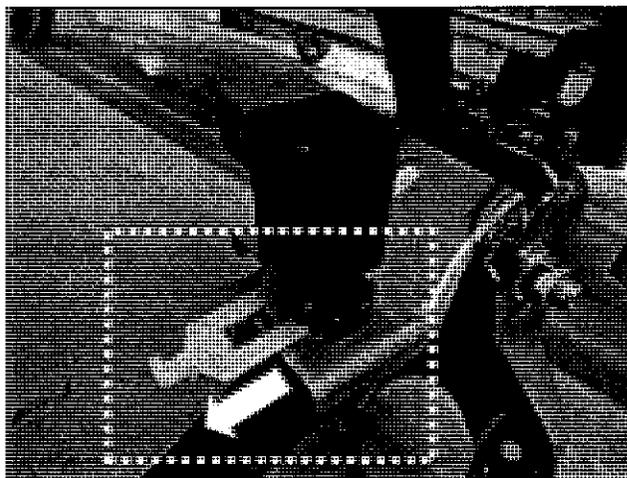


3. Disconnect the stop lamp switch wiring connector.



**SUBJECT: STOP LAMP SWITCH REPLACEMENT [SC098]**

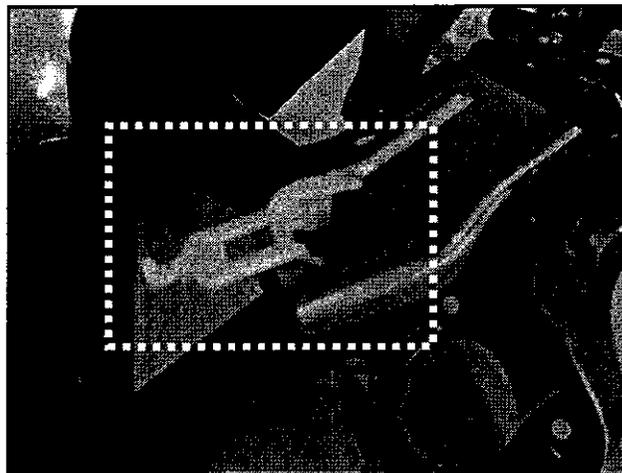
4. Pull the locking plate away from the locking ring, as shown.



5. Rotate the stop lamp switch 45 degrees counterclockwise to remove it from the locking plate.



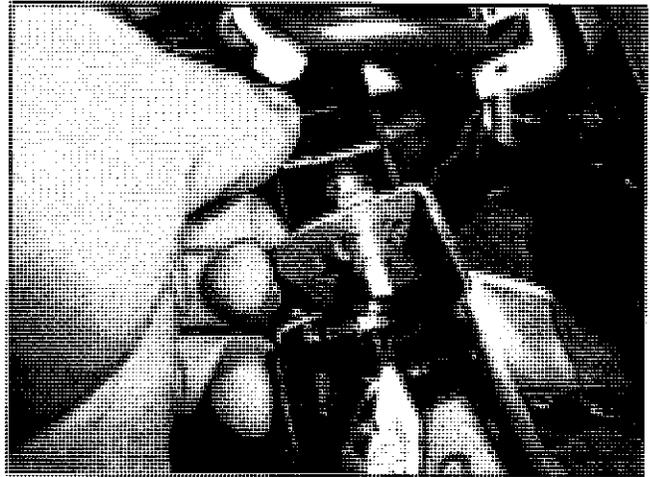
6. Remove the locking plate and discard it.



7. Install the new stop lamp switch in the mounting bracket. The flange nuts will make it possible to install the stop lamp switch without the need for the locking ring.

**\* NOTICE**

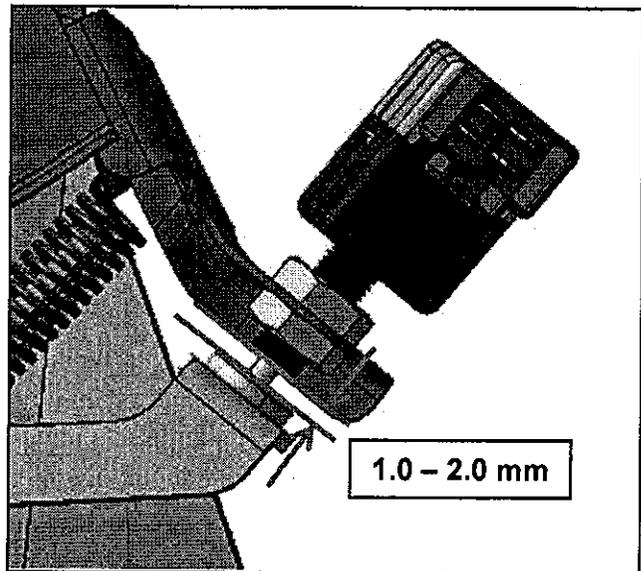
Make sure the stop lamp switch is centered in the mounting hole before tightening it.



8. Adjust the gap to 1.0 - 2.0 mm (0.04" - 0.08") between the stop lamp switch lower mounting end and the brake pedal switch stopper, without applying the brake pedal.

**\* NOTICE**

Failure to properly adjust the switch may result in check engine and/or ESC malfunction indicator lamp illumination.



9. Check for proper function of all stop lamps before releasing the vehicle to the customer and address any concern that may interfere with proper brake lamp operation.

**STOP LAMP SWITCH REPLACEMENT [SC098]**

## AFFECTED VEHICLE PRODUCTION DATE RANGE:

Model	Production Date Range
Soul (AM)	Jan. 8, 2009 ~ Feb. 27, 2009
	Feb. 28, 2009 ~ Jun. 14, 2011
Sedona (VQ)	Nov. 21, 2006 ~ Dec. 31, 2010
Sorento (BL)	Nov. 21, 2006 ~ Dec. 15, 2008
Sportage (KM)	Jan. 31, 2007 ~ Jan. 26, 2010
Rondo (UN)	Jan. 31, 2007 ~ Jul. 30, 2010
Optima (TF)	Aug. 12, 2010 ~ Apr. 24, 2011
Sorento (XM)	Oct. 24, 2009 ~ Jun. 24, 2011
Sportage (SL)	May 6, 2010 ~ Mar. 6, 2011
Forte (TD)	Feb. 24, 2009 ~ Sep. 6, 2010
Optima (MG)	May 31, 2007 ~ Apr. 29, 2010
Amanti (GH)	Nov. 21, 2006 ~ Jun. 2, 2008
Borrego (HM)	May 2, 2008 ~ Jan. 20, 2009

## REQUIRED PARTS:

Model	Part No.	Figure	Remarks
Soul (AM)	93810 4DR0BQQK		Blue Connector
	93810 4DR0AQQK		Gray Connector
Sportage (KM)	93810 4DR0AQQK		Gray Connector
Rondo (UN)	93810 3KRWAQQK		Gray Connector w/Ground Wire
Sorento (BL)	93810 3KR0BQQK		Blue Connector
Sorento (XM)	93810 3KR0AQQK		Gray Connector
Sportage (SL)	93810 3KR0AQQK		Gray Connector
Forte (TD)	93810 3KR0AQQK		Gray Connector

## STOP LAMP SWITCH REPLACEMENT (SC 098)

Model	Part No.	Figure	Remarks
Sedona (VQ)	93810 3KRWBQQK		Non Adjustable Pedal Blue Connector –w/Ground Wire
	93810 3KRWAQQK		Non Adjustable Pedal Gray Connector –w/Ground Wire
	93810 4DRWBQQK		Adjustable Pedal Blue Connector –w/Ground Wire
	93810 4DR0AQQK & 32800 W0005QQK*		Adjustable Pedal Gray Connector –w/Ground Wire
Optima (MG)	93810 4DR0AQQK		Gray Connector
Amanti (GH)	93810 3KR0BQQK		Blue Connector
Optima (TF)	93810 3SR0AQQK		Gray Connector w/Flange Nuts
Borrego (HM)	93810 3KRWBQQK		Non Adjustable Pedal Blue Connector –w/Ground Wire
	93810 3KR0BQQK		Adjustable Pedal Blue Connector

\*Part numbers 93810 4DR0AQQK and 32800 W0005QQK must be ordered together.

## STOP LAMP SWITCH REPLACEMENT (SC098)

## WARRANTY INFORMATION:

Repair Description = Stop Lamp Switch Replacement N Code = N66 C Code= C63

Model	Claim Type	Causal P/N	Qty.	Labor Op Code	Op Time	Replacement P/N	Qty.	
Soul (AM)	R	93810 3K000	0	131021R0	0.3	93810 4DR0BQQK	1	
						93810 4DR0AQQK		
Sedona (VQ) Non- Adj. Pedal		93810 3K000	0	131026R0	0.3	93810 3KRWBQQK	1	
				131103R0		93810 3KRWAQQK		
Sedona (VQ) Adj. Pedal		93810 3K000	0	131026R1	0.5	93810 4DRWBQQK		
				131103R1		93810 4DR0AQQK & 32800 W0005QQK		
Sorento (BL)		93810 3K000	0	131023R0	0.3	93810 3KR0BQQK		1
Sportage (KM)		93810 3K000	0	131022R0	0.3	93810 4DR0AQQK		1
Sorento (XM)		93810 0W000	0	131020R0	0.3	93810 3KR0AQQK		1
Rondo (UN)		93810 3K000	0	131024R0	0.3	93810 3KRWAQQK		1
Optima (TF)		93810 3S000	0	131025R0	0.3	93810 3SR0AQQK		1
Sportage(SL)		93810 3K000	0	131090R0	0.3	93810 3KR0AQQK		1
Forte (TD)		93810 3K000	0	131091R0	0.3	93810 3KR0AQQK		1
Optima(MG)		93810 3K000	0	131092R0	0.3	93810 4DR0AQQK		1
Amanti (GH)	93810 3K000	0	131094R0	0.3	93810 3KR0BQQK	1		
Borrego (HM) Non- Adj. Pedal	93810 3K000	0	131093R0	0.3	93810 3KRWBQQK	1		
Borrego (HM) Adj. Pedal					93810 3KR0BQQK	1		

**STOP LAMP SWITCH REPLACEMENT (SC 098)**

**\* NOTICE**

To assure 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.