HYUNDAI NEW THINKING. NEW POSSIBILITIES. **Technical Service Bulletin**	GROUP **RECALL**	NUMBER **15-01-013-1**
	DATE **APRIL 2015**	MODEL(S) **2009 – 2011 GENESIS SEDAN (BH)** **2011 EQUUS (VI)**
SUBJECT:	STOP LAMP SWITCH REPLACEMENT / ECU REPROGRAMMING (RECALL CAMPAIGN 125)	

This TSB supersedes TSB# 15-01-013 to include the Equus (VI), 4.6L Genesis Sedan (BH), and to include additional OPCODES.

★ IMPORTANT

***** Retail Vehicles *****

As required by federal law, dealers must perform all open recalls on used vehicles, 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: The stop lamp circuit includes a diode in series between the stop lamp switch and the stop lamps. A failure of the diode can result in inoperative stop lamps, increasing the risk of a crash. This bulletin provides the service procedure to either:

1. Replace the stop lamp switch, replace the diode with a joint diode connector, and reprogram the ECU, or
2. Replace the diode with a joint diode connector and reprogram the ECU, or
3. Replace the stop lamp switch only, or
4. Diode inspection only.

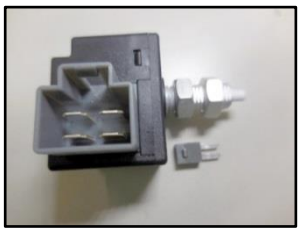
The applicable repair procedure will depend on the type of the stop lamp switch installed in the vehicle and if vehicle is equipped with a brake lamp diode.

Applicable Vehicles: Certain 2009 – 2011 Genesis Sedan (BH), and 2011 Equus (VI)

GDS HYUNDAI Global Diagnostic System **ECU Update**

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

Parts Information:

PART NAME	Model	FIGURE / PART NUMBER	REMARK
STOP LAMP REWORK KIT	BH	OMRON  91789-WIR01QQH	Stop lamp switch (Gray Connector) + Joint Diode
	BH	OMRON 91789-WIR02QQH	Stop lamp switch (Blue Connector) + Joint Diode
	BH/VI	91789-WIR03QQH	Joint Diode

Warranty Information:

OP CODE	OPERATION	OP TIME
41C085R0	REPLACEMENT OF STOP LAMP SWITCH, JOINT DIODE, AND ECU REPROGRAMMING	0.7 M/H
41C085R1	REPLACEMENT OF JOINT DIODE AND ECU REPROGRAMMING	0.4 M/H
41C085R2	DIODE INSPECTION AND STOP LAMP SWITCH REPLACEMENT	0.4 M/H
41C085R3	DIODE INSPECTION ONLY (VEHICLE WITH CAMPAIGN 110 ALREADY COMPLETED)	0.3 M/H

NOTE: Submit Claim on Campaign Claim Entry Screen.

OPCODES INFORMATION

41C085R0 - This code is for replacing the stop lamp switch, joint diode, and ECU reprogramming.

41C085R1 - This code is for replacing the joint diode and ECU reprogramming.

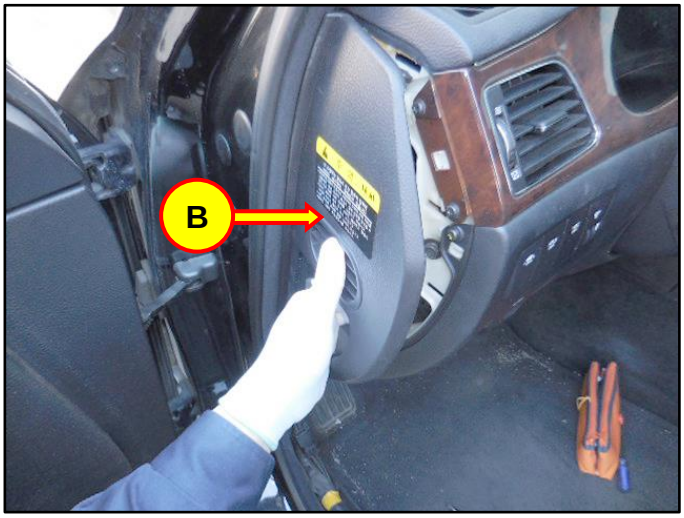
41C085R2 - This code is for replacing the stop lamp switch only. If a diode cannot be located, then only the stop lamp switch replacement is required.

41C085R3 - This code is for diode inspection only. If the vehicle has the campaign 110 completed, then inspect to locate the diode. If no diode is found, then no need to perform any service procedure. If the diode is found then replace the stop lamp switch, joint diode, and reprogram the ECU. Use OPCODE 41C085R0 if this is the case scenario.

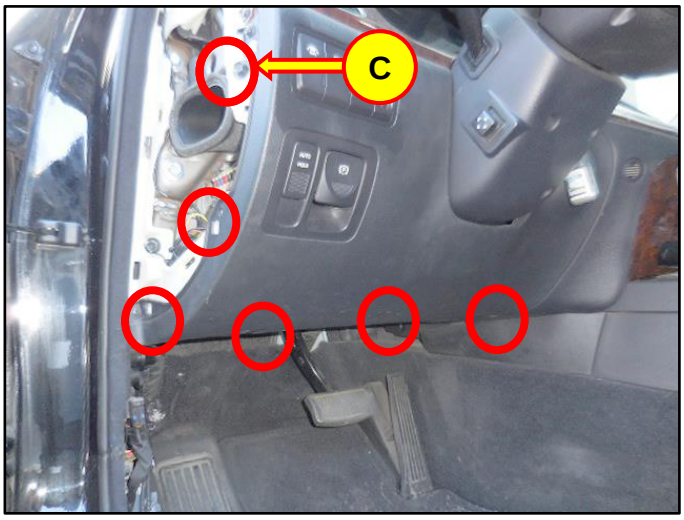
Service Procedure:

1. Remove the LH front door scuff trim (A).

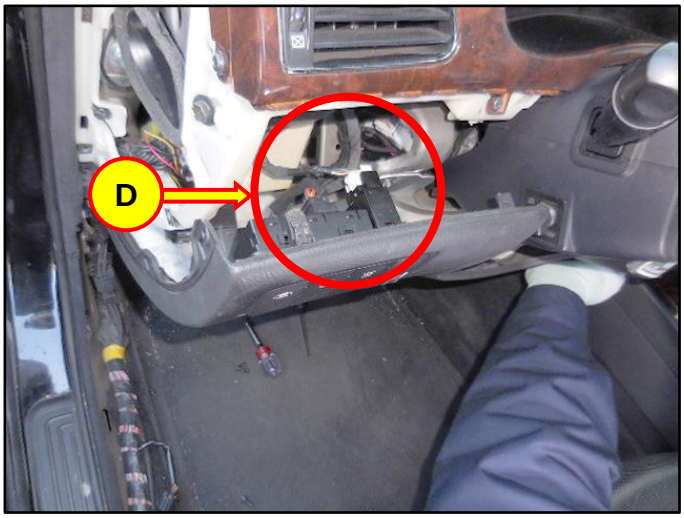
2. Remove the crash pad side cover (B).



3. Remove the lower pad mounting screws (C).



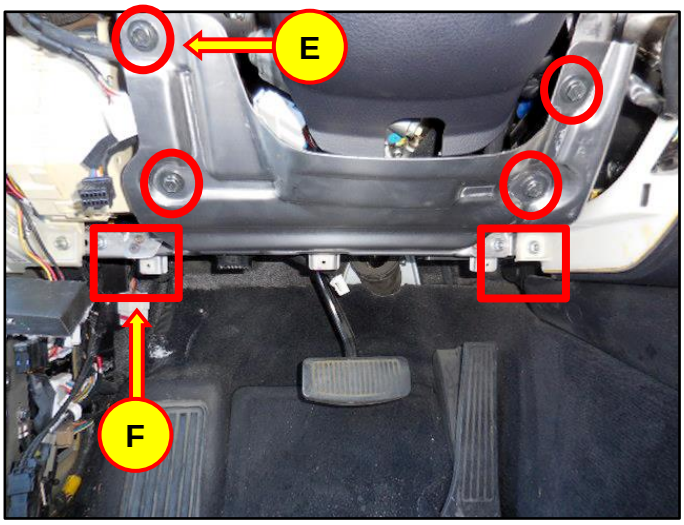
4. Disconnect the connector (D) and then remove the lower pad.



5. Remove the bracket mounting bolts (E) and nuts (F).

Tightening torque:

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



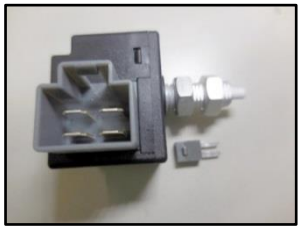
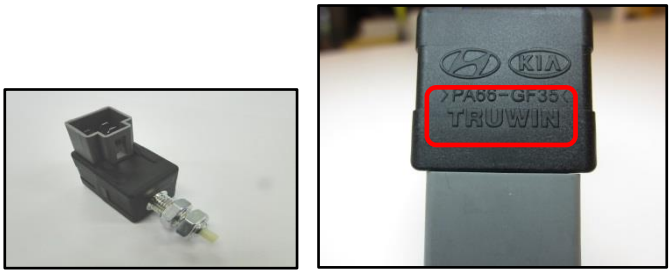
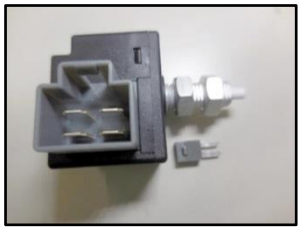
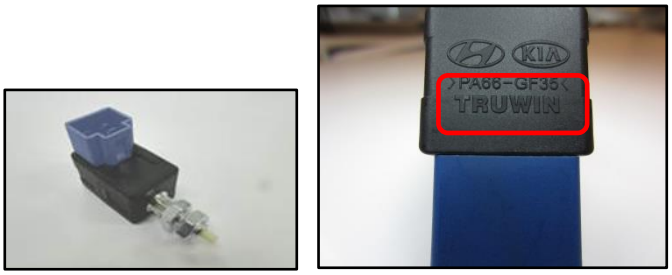
6. Disconnect the connector (G) and then remove the bracket.

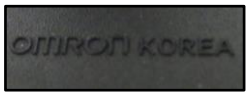
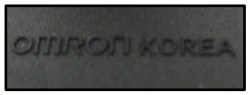
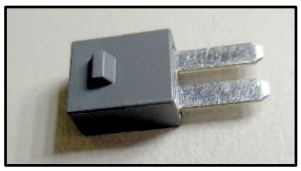
NOTICE

Visually inspect to see what brand the stop lamp switch is.

Refer to the "PART REPLACEMENT TABLE" on the next page to find the correct stop lamp switch for replacement if applicable.

PART REPLACEMENT TABLE:

BRAND	IF VEHICLE IS EQUIPPED WITH	REPLACE WITH
INFAC		OMRON  91789-WIR01QQH
TRUWIN		OMRON  91789-WIR01QQH
		OMRON 91789-WIR02QQH

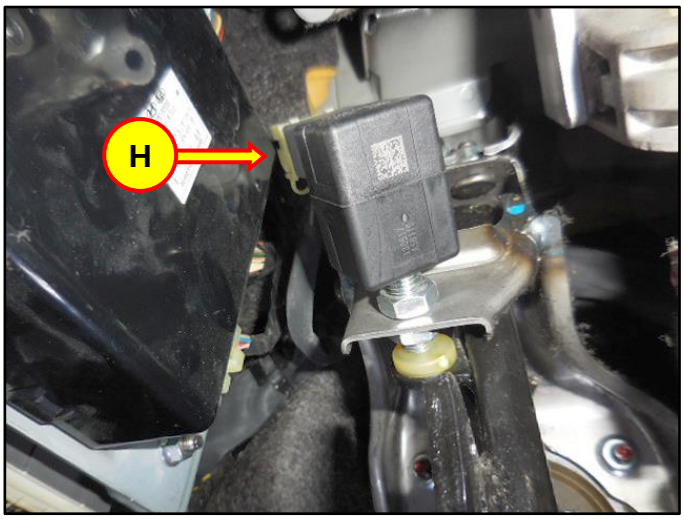
OMRON	 	 91789-WIR03QQH **NOTICE** **Stop lamp switch replacement is not required. Only replace the diode with the "Joint Diode".**

NOTICE

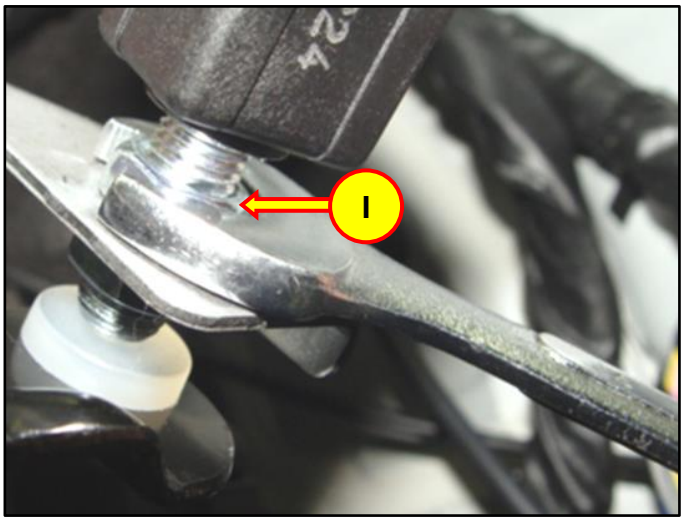
The OMRON stop lamp switch is physically larger than TRUWIN or INFAC.

STOP LAMP SWITCH REPLACEMENT PROCEDURE

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

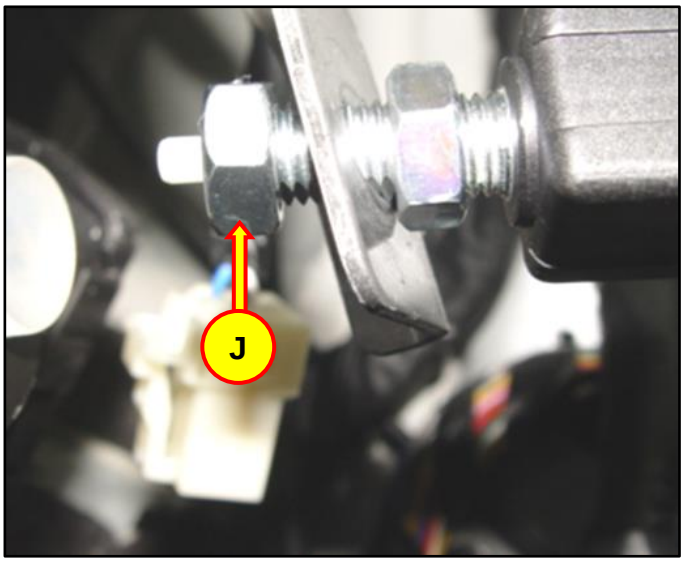


2. Loosen the upper mounting nut (I) of the current stop lamp switch.



3. Remove the lower mounting nut (J) of the current stop lamp switch.

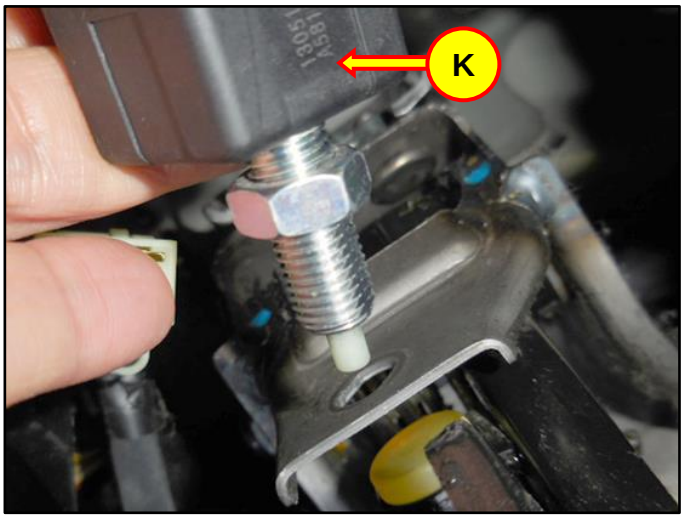
   Lower mounting nut:
   7.8 ~ 9.8 Nm (0.8 ~ 1.0 kgf.m, 5.8 ~ 7.2 lb-ft)



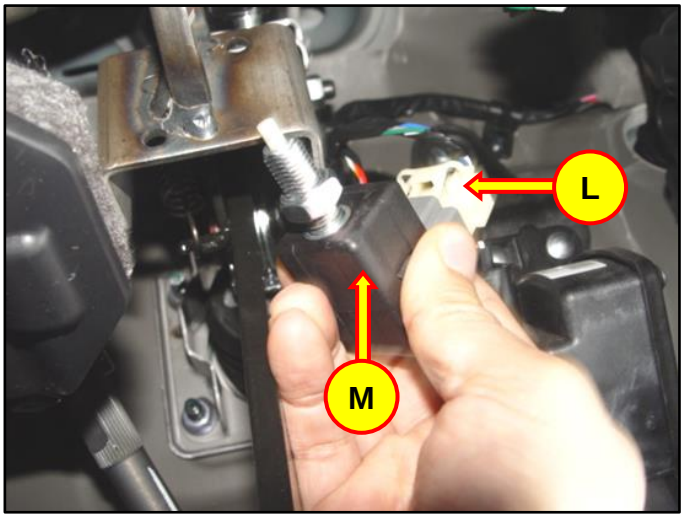
NOTICE

Replace the Stop Lamp Switch with like color connector. For example, Blue "TRUWIN" switch will be replaced with Blue "OMRON" switch.

4. Remove the current stop lamp switch assembly (K), and then install the new stop lamp switch in reverse order of removal.



5. Connect the stop lamp switch connector (L) to the new stop lamp switch (M).

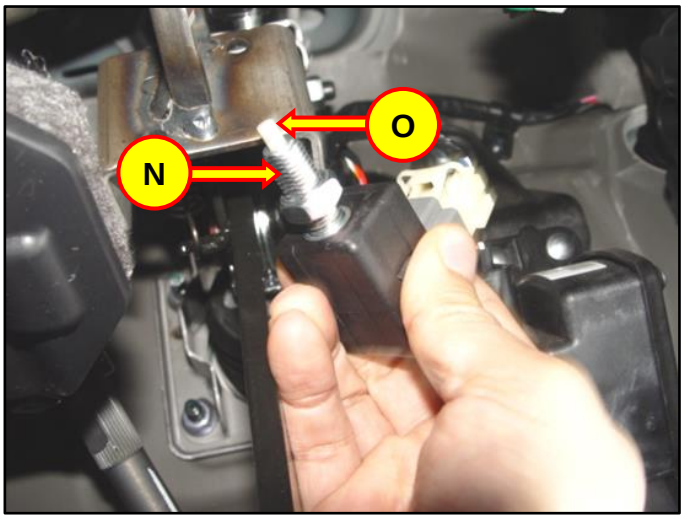


NOTICE

Step ’5.1’ is only for the ‘INFAC’ switch replacement. If the brand of the previous stop lamp switch is ‘TRUWIN’, skip step ’5.1’.

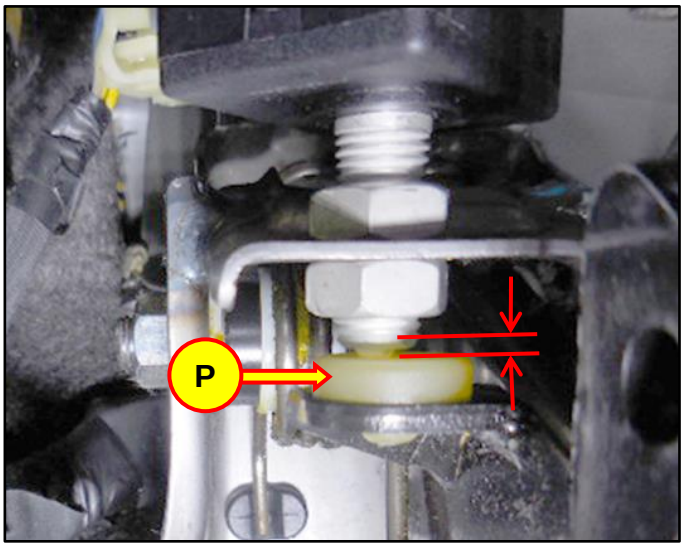
5.1 Ground the screw thread part (N) of the new stop lamp switch to a near chassis ground, and then confirm that the stop lamp operates normally when pressing or releasing the rod (O) of the new stop lamp switch**.**

If it does not operate normally, replace it with the “BLUE CONNECTOR OMRON STOP LAMP SWITCH”.



6. Adjust the gap between the stop lamp switch lower end and the stopper (P) with the brake pedal released.

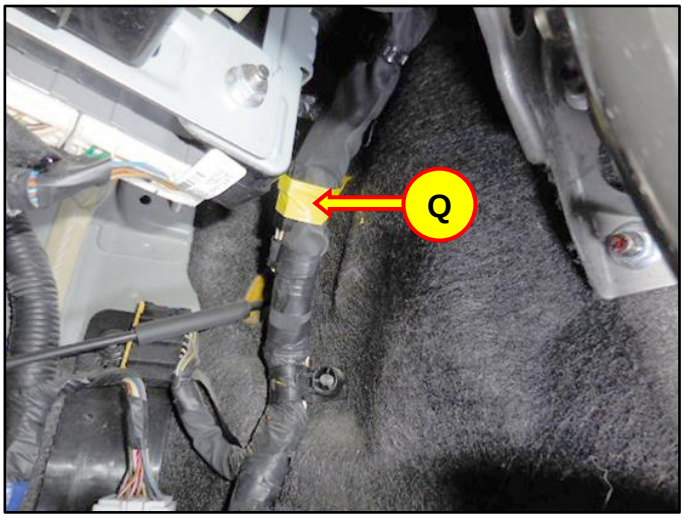
   Specification : 1.0 ~ 2.0 mm (0.04 ~ 0.08 in)



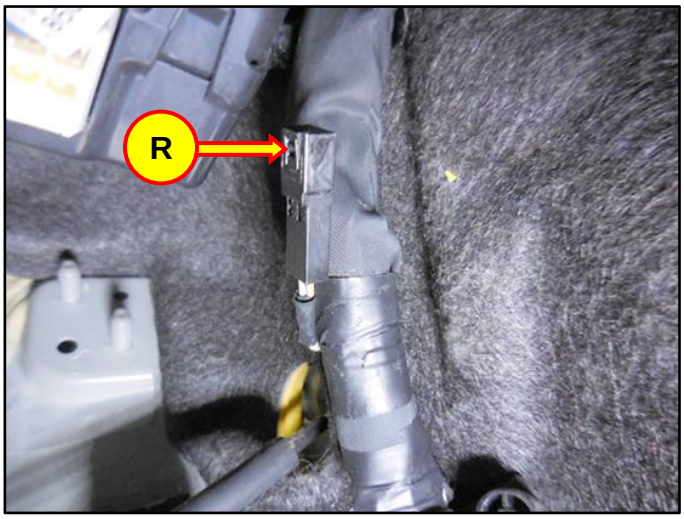
7. Verify the stop lamp on the rear combination lamp operates normally when depressing the brake pedal.

JOINT DIODE REPLACEMENT PROCEDURE

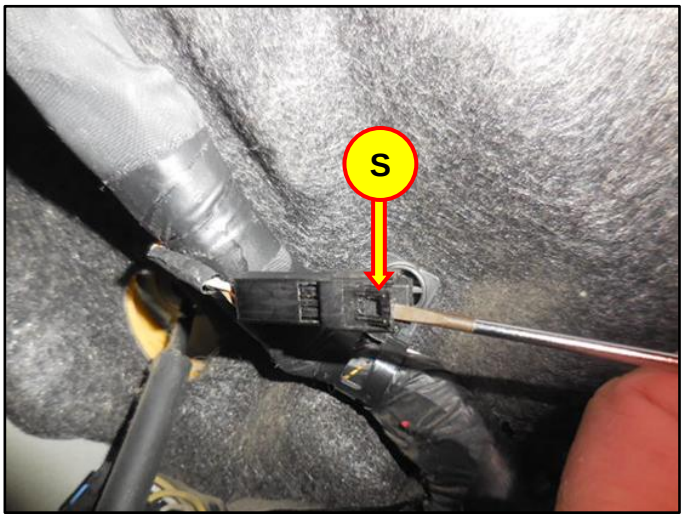
1. Strip off the yellow wire tape (Q) on the driver side wire harness.



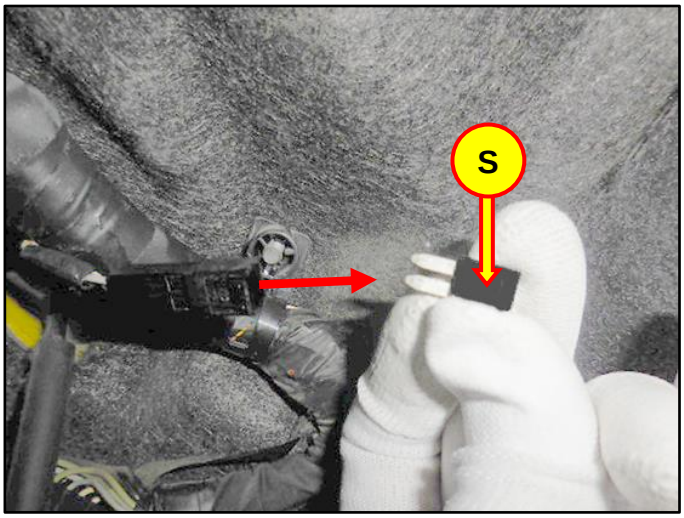
2. Locate the diode (R).



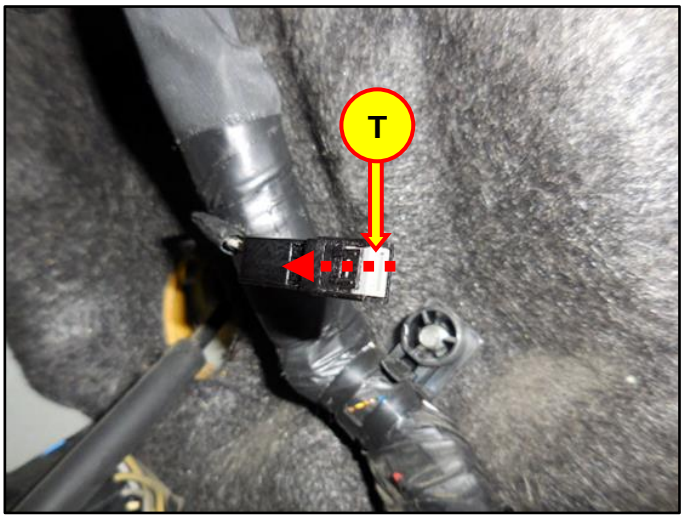
3. Unlock the diode (S) using a small flathead screwdriver or a pick.



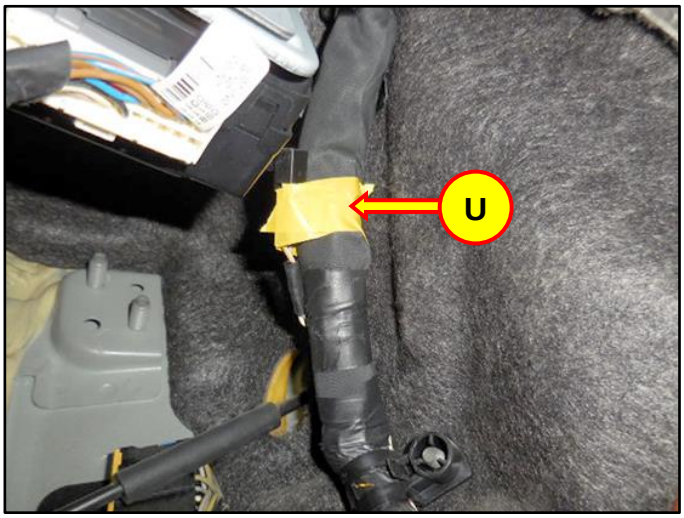
4. Remove the diode (S).



5. Install the Joint Diode (T).



6. Wrap the installed Joint Diode with a new tape (U).



7. Reinstall all the removed parts in reverse order of removal.
8. Verify the stop lamp on the rear combination lamp operates normally when depressing the brake pedal.
9. Proceed with ECU reprograming.

ECU REPROGRAMMING

NOTE:

- Refer to the TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.
- Refer to the TSB **15-GI-002** for the PC-based GDS ECU update procedures.
- Select **"Engine"** as the system to reprogram.

ROM ID Information Table:
Verify the ECU ROM ID before updating the software. Refer to the table below.

Event #	Description
353	BH 3.8MPI BRAKE LAMP CONTROL LOGIC IMPROVEMENT

3.8L Genesis Sedan (BH)

Model	OPT	MY	ECU P/N	ROM ID	
				OLD	NEW
BH 3.8 MPI 6AT IMMO	EHPS	09MY(ULEV)	39106-3C011	BH8N38*M2**8H4AE	BH9N38*M2**8P7AE
				BH8N38*M2**8J4AE	
				BH8N38*M2**8L2AE	
				BH8N38*M2**8M6AE	
				BH8N38*M2**8N2BE	
				BH8N38*M2**8N2CE	
				BH8N38*M2**8N2DE	
				BH9N38*M2**8P4AE	
		10MY(ULEV)	39106-3C013	BH8N38*M2**8P1AE	
				BH8N38*M2**8P1BE	
				BH9N38*M2**8P1AE	
				BH9N38*M2**8P4AE	
		11MY(ULEV)	39106-3C015	BHAN38*M2**8P4AE	BHAN38*M2**8P7AE
	NON EHPS	09MY(ULEV)	39106-3C010	BH8N38*M2**8H4A*	BH9N38*M2**8P7A*
				BH8N38*M2**8J4A*	
				BH8N38*M2**8L2A*	
				BH8N38*M2**8M6A*	
				BH8N38*M2**8N2B*	
				BH8N38*M2**8N2C*	
				BH8N38*M2**8N2D*	
				BH9N38*M2**8P4A*	
		10MY(ULEV)	39106-3C012	BH8N38*M2**8P1A*	
				BH8N38*M2**8P1B*	
				BH9N38*M2**8P1A*	
				BH9N38*M2**8P4A*	
		11MY(ULEV)	39106-3C014	BHAN38*M2**8P4A*	BHAN38*M2**8P7A*

SUBJECT:	STOP LAMP SWITCH REPLACEMENT / ECU REPROGRAMMING (RECALL CAMPAIGN 125)

Event #	Description
357	BH 4.6MPI BRAKE LAMP CONTROL LOGIC IMPROVEMENT

4.6L Genesis Sedan (BH)

Model	MY	ECU P/N	ROM ID	
			OLD	NEW
BH TAU 4.6 6AT IMMO	09MY	39110-3F270	GBH-9N6AFS1-C100	GBH-9N6AFS6-C100
			GBH-9N6AFS2-C100	
			GBH-9N6AFS3-C100	
			GBH-9N6AFS4-C100	
			GBH-9N6AFS5-C100	
	10MY	39110-3F271	GBH-AN6AFS1-C100	GBH-AN6AFS4-C100
			GBH-AN6AFS2-C100	
			GBH-AN6AFS3-C100	
		39110-3F272	GBH-AU6AFS0-C100	GBH-AU6AFS3-C100
			GBH-AU6AFS1-C100	
			GBH-AU6AFS2-C100	
	11MY	39110-3F273	GBH-BN6AFS1-C100	GBH-BN6AFS4-C100
			GBH-BN6AFS2-C100	
			GBH-BN6AFS3-C100	
			GVI-BN6AFS1-c100	
			GVI-BN6AFS2-c100	

Event #	Description
358	VI 4.6MPI BRAKE LAMP CONTROL LOGIC IMPROVEMENT

Equus (VI)

Model	MY	ECU P/N	ROM ID	
			OLD	NEW
VI TAU 4.6 6AT IMMO	11MY	39110-3F410	GVI-BN6AFS0-c100	GVI-BN6AFS3-c100
			GVI-BN6AFS1-c100	
			GVI-BN6AFS2-c100	

MANUAL MODE PASSWORD INFORMATION TABLE:

3.8L Genesis Sedan (BH)

MENU	PASSWORD
BH 3.8 MPI NON EHPS 39106-3C010/2	3012
BH 3.8 MPI NON EHPS 39106-3C014	3014
BH 3.8 MPI EHPS 39106-3C011/3	3013
BH 3.8 MPI EHPS 39106-3C015	3015

4.6L Genesis Sedan (BH) 357 BH

MENU	PASSWORD
BH 4.6 MPI 6AT IMMO 39110-3F270	3270
BH 4.6 MPI 6AT IMMO 39110-3F271	3271
BH 4.6 MPI 6AT IMMO 39110-3F272	3272
BH 4.6 MPI 6AT IMMO 39110-3F273	3273

Equus (VI) #358 VI

MENU	PASSWORD
VI 4.6 MPI 6AT IMMO 39110-3F410	3410