



HYUNDAI Technical Service Bulletin

Group	BODY ELECTRICAL
Number	08-BE-005
Date	JULY, 2008
Model	2006 SONATA

Subject	STOP LAMP SWITCH ADJUSTMENT
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CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY MGR	<input type="checkbox"/> SALES MANAGER

THIS BULLETIN SUPERSEDES TSB 06-50-006 TO INCLUDE THE CORRECT DESCRIPTION OF COMPONENTS ON PAGE 2 OF 5.

DESCRIPTION:

This TSB describes the procedure to adjust the stop lamp switch. In most cases, proper adjustment of the stop lamp switch will resolve DTC's P0504 (brake switch) and C1513 (brake light switch) without replacing the stop lamp switch.

If the vehicle exhibits inoperative brake lights or DTC codes P0504 or C1513 use the following procedure to ensure proper diagnosis.

NOTE: Two stop lamp switches have been installed on 2006 Sonatas. The switches are interchangeable.

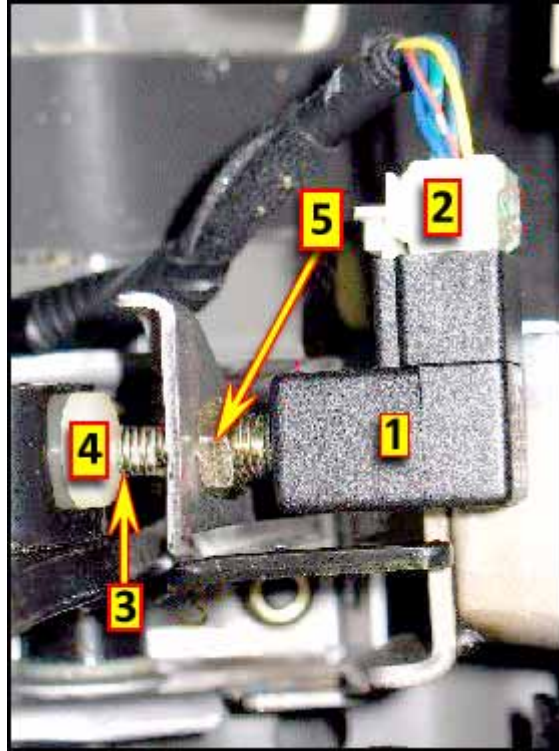
NOTE: Vehicles with a VIN starting with 5NPEU produced before 8/19/05 have a metal housing (left), vehicles produced on or after 8/19/05 have a plastic housing (right).

NOTE: Vehicles with a VIN starting with KMHET produced before 4/28/05 have a metal housing (left), vehicles produced on or after 4/28/05 have a plastic housing (right).



COMPONENTS:

1. Stop Lamp Switch Assembly
2. Stop Lamp Switch Connector
3. Stop Lamp Switch Plunger
4. Brake Pedal Stopper
5. Stop Lamp Switch Lock Nut (qty 1)



SERVICE PROCEDURE:

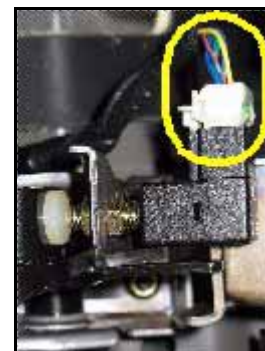
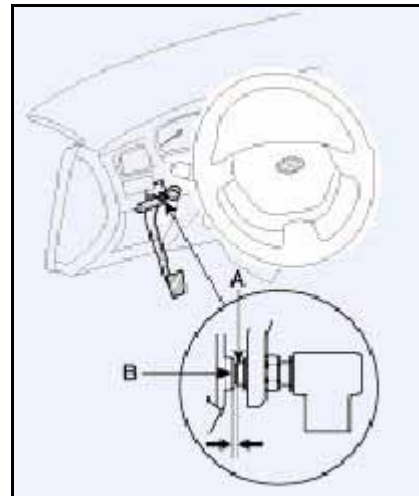
1. Check the clearance between the stop lamp switch housing and the brake pedal when the pedal is in the free position.

Specification: A-B = 0.5 - 1.0 mm (0.02~0.04 in)

A - Stop Lamp Switch Metal Housing

B - Brake Pedal Stopper

2. If the clearance is within specification and the stop lamp switch continues to not function properly, check the operation of the switch.
3. Remove the stop lamp switch by loosening the brake switch lock nuts. Depress the stop lamp switch plunger manually and see if the brake lights function properly.
4. If the stop lamp switch does not function properly, check the continuity of the stop lamp switch.
5. Disconnect the stop lamp switch connector.





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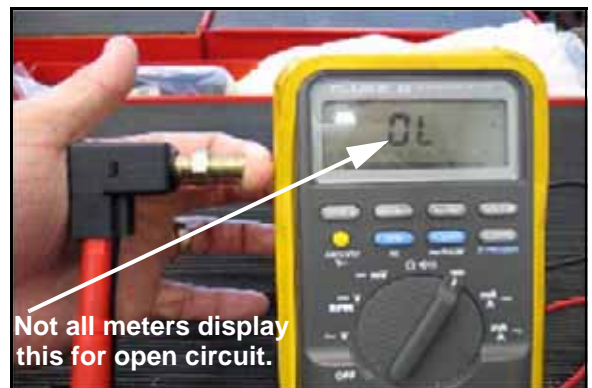
6. Check the continuity of the stop lamp switch by connecting the multimeter to the upper contacts.



7. With the plunger not depressed, the meter should read approximately 0 ohms, has continuity.



8. Depress the stop lamp switch plunger. Multi meter should read open circuit (no continuity).



9. Connect the multimeter connectors to the lower contacts on the stop lamp switch.



10. With the plunger not depressed, the meter should read open circuit (no continuity).



11. Depress the stop lamp switch plunger. Multi meter should read approximately 0 ohms, has continuity.



12. If the stop lamp switch does not pass the continuity test, replace the stop lamp switch.
13. If the stop lamp switch does pass the continuity test, recheck the brake pedal stopper to stop lamp switch clearance or follow the shop manual ETM to diagnose wiring.



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WARRANTY INFORMATION:

OP CODE	OPERATION	OP TIME	CAUSAL PART NUMBER	NATURE	CAUSE
93810R00	Switch Assy - Stop Lamp	0.3M/H	93810-3K000	*N94	**C15, ***C40