

CHASSIS TECH TIPS

Subject:

No Throttle Response (brake light switch)

1. RELEVANT MODELS:

All 2005 thru 2008 Conventional Models (with Allison Transmission)

2. COMPLAINT:

No throttle response.

3. CAUSE/CONDITION:

The ECM receives a brake light signal, which deactivates the accelerator pedal.

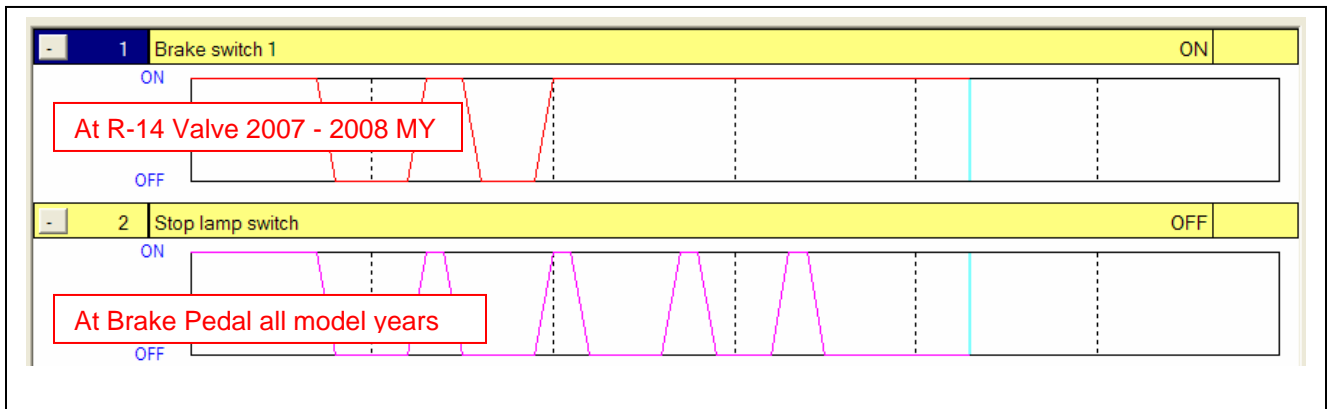
This feature is to keep from stall testing the transmission torque convertor.

Several possibilities may cause this unwanted condition.

- a) Defective stop lamp switch or switch out of adjustment. (at pedal)
- b) Brake pedal not fully releasing.
- c) Defective brake switch or wiring.
 (at R14 valve – 2007 and 2008 air brake chassis)

4. CORRECTION:

Monitor brake switch and stop lamp switch status with Hino Diagnostic Explorer. Verify that the switch status changes when applying and releasing the brake pedal.

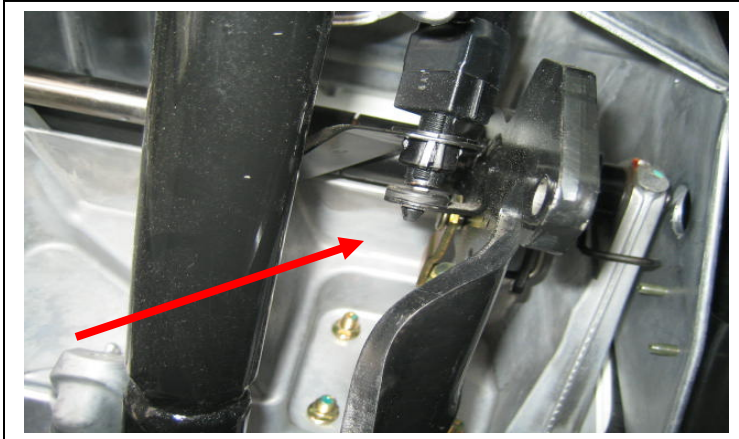


CHASSIS TECH TIPS

Verify operation of stop lamp switch.

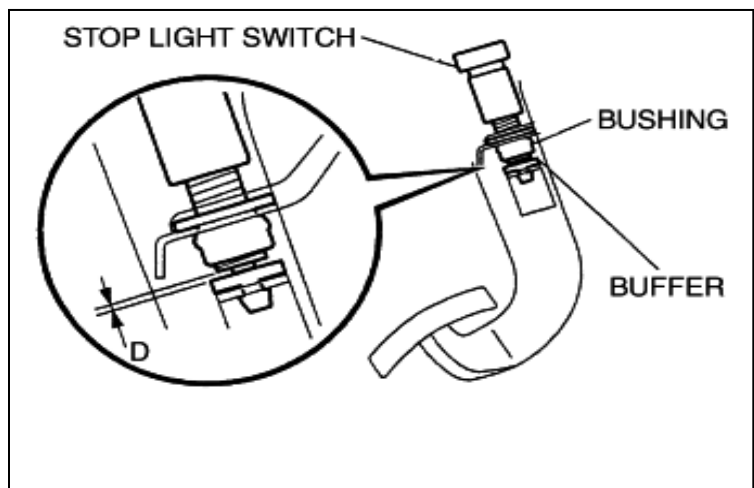


Check adjustment of stop lamp switch.



ADJUSTING THE STOP LAMP SWITCH

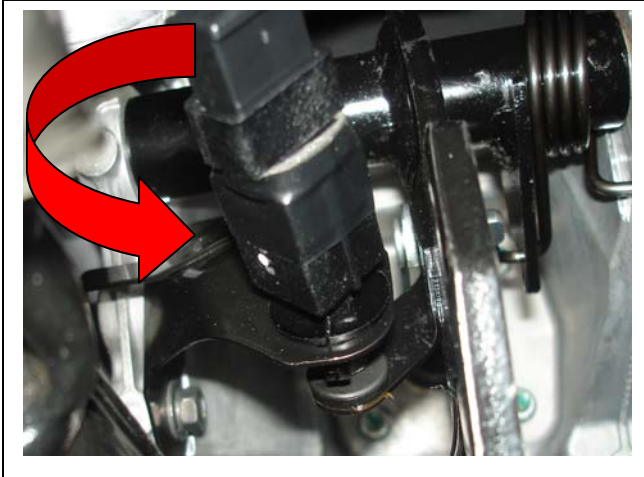
- 1) Twist stop light switch counter clockwise (to unlock). Position switch to achieve proper clearance between tip of switch and buffer, now twist switch clockwise (to lock).
- 2) After installing switch, depress the brake pedal several times, make sure there is no contact between the switch and buffer.
- 3) Check the clearance between stop lamp switch and buffer.
"D": 0.5-1.5 mm
{0.0197-0.0590 in.}



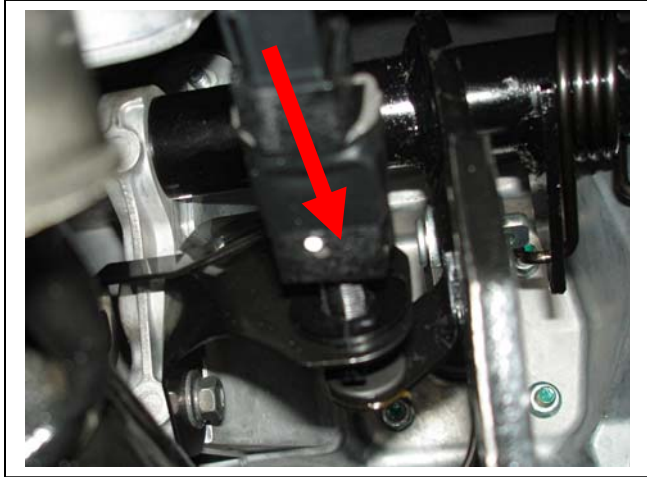
Note: See photo's on next page.

CHASSIS TECH TIPS

Turn switch counter clockwise to unlock



Set switch to proper position

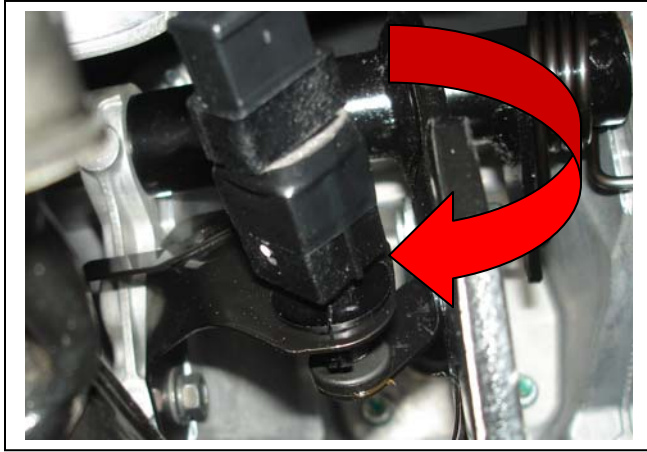


Set to .019 - .059



Correct Setting

Turn switch clockwise to lock

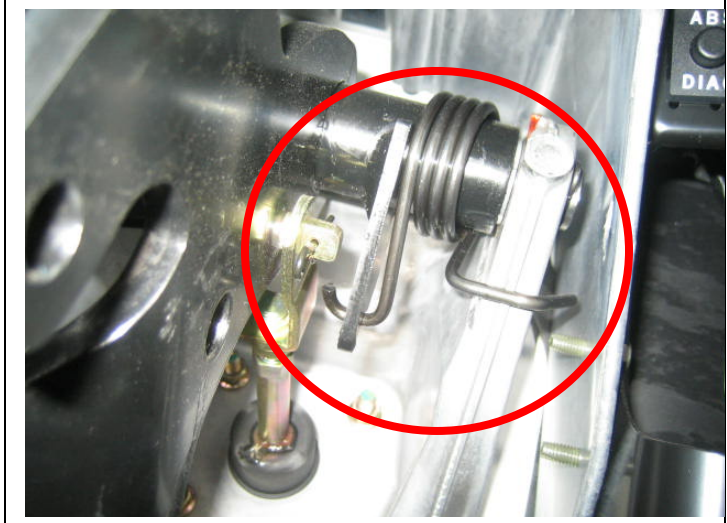


Incorrect Setting



CHASSIS TECH TIPS

Inspect tension of brake pedal return spring.



2007 – 2008 Air Brake Chassis

The brake light switch is located on the R-14 relay valve mounted to the crossmember near the rear axle.



Inspect the switch and wiring as needed.



Poor brake pedal spring tension and stop lamp switch adjustments may cause intermittent complaints especially on rough roads or while turning.