

CHASSIS TECH TIPS

Subject: ABS EXTENSION HARNESS

1. RELEVANT MODELS:

2005 thru 2007 All Models

2. COMPLAINT:

No throttle response on 2007 air brake chassis with automatic transmissions when selector placed in drive.

No cruise control on 2007 air brake chassis with manual transmissions.

3. CAUSE:

These conditions have surfaced after wheelbase modifications have been performed.

The ABS Extension Harness that has been used previously is missing two wires for the new brake switch on the R-14 brake valve which has been added for 2007 air brake chassis.

4. CORRECTION:

To diagnose this problem use Diagnostic Explorer and select Data Monitor.

Select "Brake Switch 1" and "Stop Lamp" from parameter list.

Depress brake pedal and monitor switch status. Status should change from "OFF" to "ON".

If "Brake Switch 1" does not change status the ECM is not receiving a signal from the switch on the R-14 valve. Make sure proper wiring harness has been used also verify switch operation.

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If a wheel base modification has been performed verify use of correct ABS extension harness.

19" Wiring Harness Extensions:

<i>2005 & 2006</i>	All Chassis	820711490A
<i>2007</i>	Air Brake Chassis	82164E0L50
	Hydraulic Brake Chassis	82164E0L40

23" Wiring Harness Extensions:

<i>2005 & 2006</i>	All Chassis	820711480A
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72" Wiring Harness Extensions:

<i>2005 thru 2007</i>	All Chassis	820711510A
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120" Wiring Harness Extensions:

<i>2005 thru 2007</i>	All Chassis	820711520A
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