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Countries:

Availability: ISIS, FleetISIS, Body Builder

Major System: ELECTRICAL SYSTEM

Current Language: English

Other Languages: [Portuguese](#), [Français](#), [Español](#),

Viewed: 5646

Document ID: IK0800059

Revision: 7

Created: 2/14/2007

Last Modified: 12/8/2015

Author: Charles Schroeder

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Coding Information

Copy Link	Copy Relative Link	Bookmark	Add to Favorites	Print	Provide Feedback	Helpful	Not Helpful
		 View My Bookmarks				 878	 737

Title: Brake Lights Staying On**Applies To:** All HPV

Change Log

Please refer to the change log text box below for recent changes to this article:

12/08/2015 - Updated screenshots and formatting.
01/06/2014 - Updated author for feedback purposes.
09/04/2013 - Added screenshots.
08/23/2007 - Article published.

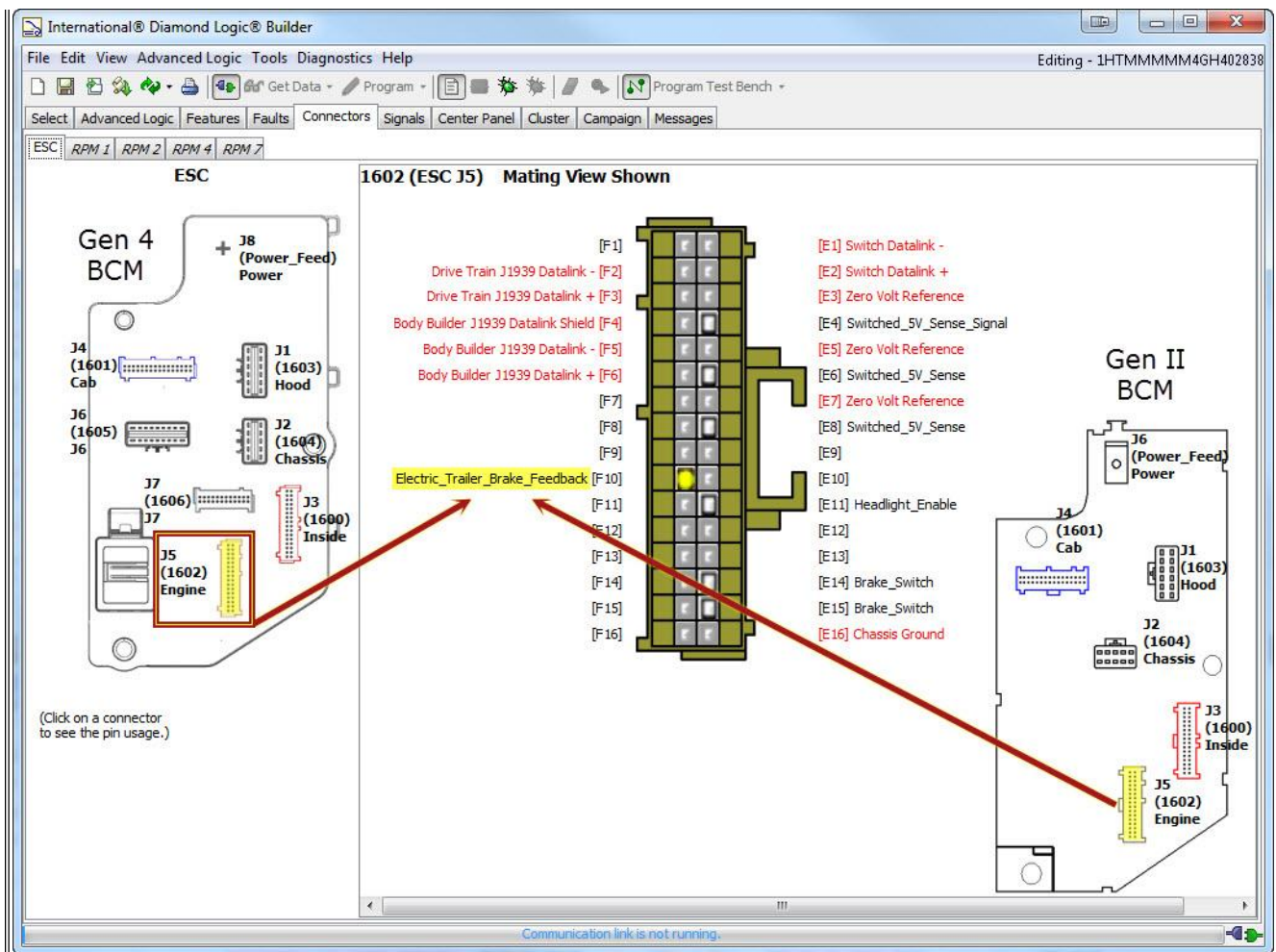
Description

If you are having problems with the brake lights saying on, you need to check the electric trailer brake feedback circuit.

- If voltage is present at the feedback circuit the brake lights will be illuminated, even if the customer has not installed an electric trailer brake controller.

2007 & newer (Gen II and Gen 4 Body Controllers) NGV

Figure 1 - Gen 4 / Gen II BCM



- Check 1602-F10 for voltage.
- This is a voltage input for electric trailer brake feedback.

Pre - 2007 (ESC) NGV

Figure 2 - ESC

International® Diamond Logic® Builder

File Edit View Advanced Logic Tools Diagnostics Help

Editing - 1HTMNAAL77H413825

Select Advanced Logic Features Faults Connectors Signals Center Panel Cluster Campaign Messages

ESC RPM 1 RPM 2 RPM 4 RPM 7 MSVA 2 MSVA 1

ESC

J2 (4008) Chassis

J1 (4007) PowerHood Power

J3 (1601) Inside

J4 (1600) Cab

J5 (4004) Engine

(Click on a connector to see the pin usage.)

4004 (ESC J5) Mating View Shown

[1] PTO_Feedback_Switch [3]

[2] Fuel_Sensor1_Signal [5]

[3] BC_RCD_Temp_Out_Cond_Signal [6]

[4] BC_RCD_Temp_In_Cond_Signal [7]

[5] AC_High_Side_Pressure [8]

[6] [9]

[7] [10]

[8] [11]

[9] [12]

[10] [13]

[11] [14]

[12] Electric_Trailer_Brake_Feedback [15]

[13] Trailer_Marker_Relay [17]

[14] [18]

[15] [19]

[16] [20] Wiper_High_Speed_Cmd

[17] [21] Brake_Lights

[18] [22] TEM_PTO_Air_Solenoid_Cmd

[19] [23]

[20] [24] Diff_Lock_Solenoid_Cmd

[21] [25]

[22] [26] Zero Volt Reference

[23] [27] Switched_5V_Sense_Signal

[24] [28]

[25] [29] Wiper_Low_Speed_Cmd

[26] [30]

[27] [31] Air_Horn

[28] [32]

[29] [33] Brake_Analog_Switch_Signal, Brake_Switch_Signal

[30] [34] Body Builder J1939 Datalink +

[31] [35] Body Builder J1939 Datalink -

[32] [36] Body Builder J1939 Datalink Shield

Communication link is not running.

- Check 4004-15 for voltage.
- This is a voltage input for electric trailer brake feedback.

Other Resources

- [Master Service Information](#)

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Feedback Information

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