



|                          |                                         |                       |               |
|--------------------------|-----------------------------------------|-----------------------|---------------|
| <b>Countries:</b>        | CANADA, UNITED STATES                   | <b>Document ID:</b>   | IK0800411     |
| <b>Availability:</b>     | ISIS, Bus ISIS, FleetISIS, Body Builder | <b>Revision:</b>      | 4             |
| <b>Major System:</b>     | ELECTRICAL SYSTEM                       | <b>Created:</b>       | 12/18/2012    |
| <b>Current Language:</b> | English                                 | <b>Last Modified:</b> | 1/22/2013     |
| <b>Other Languages:</b>  | NONE                                    | <b>Author:</b>        | Matthew Boyer |
| <b>Viewed:</b>           | 773                                     |                       |               |

[Less Info](#)

Hide Details

Coding Information

|                  |                           |                                       |                         |              |                         |                |                    |
|------------------|---------------------------|---------------------------------------|-------------------------|--------------|-------------------------|----------------|--------------------|
| <b>Copy Link</b> | <b>Copy Relative Link</b> | <b>Bookmark</b>                       | <b>Add to Favorites</b> | <b>Print</b> | <b>Provide Feedback</b> | <b>Helpful</b> | <b>Not Helpful</b> |
|                  |                           | <br><a href="#">View My Bookmarks</a> |                         |              |                         | <br>10         | <br>0              |

**Title: Body Controller Resource Center**
**Applies To: Post 2007 Vehicles Built with Body Controllers**

## Body Controller Resource Center

# TITLE

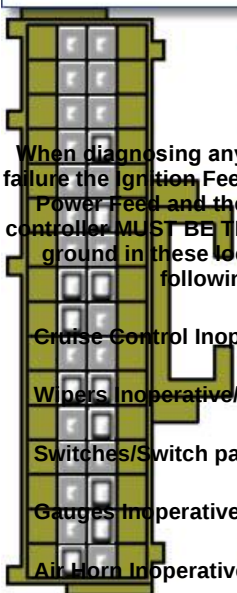
[> Load Shedding](#)
[> Body Controller](#)
[> DLB and Codes](#)
[> Gauge Issues](#)
[> Windshield Wiper/Washer](#)
[> Lighting Systems](#)

### 1600(J3)

Pins A1 and A16 need to have a check mark with the key in the run position. These are 12 volt signals. If the check marks are missing, the circuits need to be load tested with a headlight bulb inducing less then a 0.5 volts drop in the circuit.

|      |  |                                                                 |
|------|--|-----------------------------------------------------------------|
| [B1] |  | [A1] <input checked="" type="checkbox"/> Accessory_Signal_Input |
| [B2] |  | [A2] <input type="checkbox"/> Front_HVAC_AC_Req                 |
| [B3] |  | [A3] <input type="checkbox"/> RCD_HVAC_Ctrl_Head_Diag_Signal    |

**1602(J5)**  
Pin E16 the ground into the B/C needs to be load tested with a headlight bulb, inducing less than 0.5 voltage drop on the circuit.



[E1] Switch Datalink -  
[E2] Switch Datalink +  
[E3] Zero Volt Reference  
[E4] Switched 5V Sense Signal  
[E5] Switched 5V Sense Signal  
[E6] Switched 5V Sense Signal  
[E7] Headlight Enable Signal  
[E8] Headlight Enable Signal  
[E9] Headlight Enable Signal  
[E10] Headlight Enable Signal  
[E11] Headlight Enable Signal  
[E12] Air\_Horn  
[E13] Air\_Horn  
[E14] Brake\_Switch\_Signal,  
[E15] Brake\_Switch\_Signal,  
[E16] Chassis Ground

**When diagnosing any Body Controller related failure the Ignition Feed, Accessory Feed, Main Power Feed and the Grounds to the Body controller MUST BE TESTED. Missing power or ground in these locations may affect the following circuits:**

- Cruise Control Inoperative
- Wipers Inoperative/ Staying on
- Switches/Switch packs Inoperative
- Gauges Inoperative/Dropping out
- Air Horn Inoperative
- Fuel Gauge Inoperative
- Abnormal Electrical Component Operation
- Air Conditioning Inoperative
- Any Electrical Circuit Tied to the Body Controller

[B4] [A4] ☐ Highbeam\_Signal  
[B5] [A5] ☐ Elec\_City\_Horn\_SW\_Signal  
[B6] [A6] ☐ Right\_Turn\_Signal\_Switch  
[B7] [A7] ☐ Left\_Turn\_Signal\_Switch  
[B8] [A8] ☐ Low\_Washer\_Fluid\_WL\_Signal  
[B9] [A9] ☐ Wiper\_0\_Signal  
[B10] [A10] ☐ Wiper\_1\_Signal  
[B11] [A11] ☐ Wiper\_2\_Signal  
[B12] [A12] ☐ Park\_Brake\_Switch\_Signal  
[B13] [A13] ☐ Door\_Switch  
[B14] [A14] ☐ Flash\_To\_Pass\_Signal  
[B15] [A15] ☐ Washer\_Pump\_Signal  
[B16] [A16] ☒ Ignition\_Signal\_Input

**PowerFeed (J6)**  
If this checkmark is missing, check the mega fuse for cracking, corrosion, or looseness.



[1] ☒ Power\_Supply\_1\_Signal,

**1604(J2)**  
Pin E, the ground into the B/C needs to be load tested with a headlight bulb, inducing less than 0.5 voltage drop on the circuit.



[E] Cab Ground  
[D]  
[C] 0  
[B] 77  
[A] ☒

| Load Shedding             |                                                                                                        |            |
|---------------------------|--------------------------------------------------------------------------------------------------------|------------|
| Document #                | Title                                                                                                  | Date       |
| <a href="#">IK0800092</a> | The First Check to Make When Troubleshooting Any ESC or Body Controller Issue                          | 08/22/2007 |
| <a href="#">IK0800085</a> | ProStar Electrical System Load Shed Feature 08XEV                                                      | 04/29/2007 |
| <a href="#">IK0800398</a> | SPN 1590 FMI 19 Adaptive Cruise Control Code                                                           | 10/15/2012 |
| <a href="#">S08360</a>    | Load Shedding Troubleshooting Guide- ProStar and LoneStar Models Built After January 2007              | 12/19/2012 |
| Body Controller           |                                                                                                        |            |
| Document #                | Title                                                                                                  | Date       |
| <a href="#">IK0800092</a> | The First Check to Make When Troubleshooting Any ESC or Body Controller Issue                          | 08/22/2007 |
| <a href="#">IK0800172</a> | LoneStar, ProStar, 8600, and 7600 Cab Grounding                                                        | 02/25/2009 |
| <a href="#">IK0800098</a> | Body Controller (BC) Lockup Due to Low Voltage. Can't Communicate to BC/ESC                            | 09/10/2007 |
| <a href="#">IK0800080</a> | 1939 Datalink Troubleshooting                                                                          | 08/22/2007 |
| <a href="#">IK0800047</a> | Remote Power Module (RPM) Troubleshooting on 2007 Medium Duty and ProStar                              | 08/03/2007 |
| <a href="#">S08323</a>    | Body Builder Electrical Data Book for Models Built Starting March 1, 2007                              | 12/19/2012 |
| DLB and Codes             |                                                                                                        |            |
| Document #                | Title                                                                                                  | Date       |
| <a href="#">IK0800092</a> | The First Check to Make When Troubleshooting Any ESC or Body Controller Issue                          | 08/22/2007 |
| <a href="#">IK0800399</a> | How to Export DLB Fault Codes To Attach To A Case File                                                 | 10/26/2012 |
| <a href="#">IK0800115</a> | How to Display Diagnostic Trouble Codes (DTC) in 2007 and Later Medium Duty and ProStar                | 11/02/2007 |
| <a href="#">IK2600016</a> | Changing ESC (Body Controller) Parameters in DLB                                                       | 02/28/2007 |
| <a href="#">IK0800279</a> | Body Controller Software Revision 231 HVAC Improvements for Post 2007 ProStar, DuraStar, TranStar Only | 04/19/2011 |
| <a href="#">IK0800117</a> | 2007 Body Controller Diagnostic Trouble Codes (DTC's) and Troubleshooting                              | 12/04/2007 |
| <a href="#">IK2600036</a> | Retrieving Fault Codes with DLB                                                                        | 11/07/2007 |
| Gauge Issues              |                                                                                                        |            |
| Document #                | Title                                                                                                  | Date       |
| <a href="#">IK0800092</a> | The First Check to Make When Troubleshooting Any ESC or Body Controller Issue                          | 08/22/2007 |
| <a href="#">IK0800134</a> | Secondary Instrument Cluster - Gauge Identification (Data Routing)                                     | 04/24/2008 |
| <a href="#">IK0800178</a> | ProStar/LoneStar Load Gauge Shows N/A in the LCD Display After Replacement of the EGC                  | 03/09/2009 |
| <a href="#">IK2600083</a> | How to Program Mileage in Post-2007 Instrument Clusters (Single or Dual Clusters)                      | 02/16/2009 |
| <a href="#">IK0800130</a> | Air Pressure Gauges and A/C Pressure Transducer Troubleshooting on Post-2007 HPV and ProStar           | 03/03/2008 |
| <a href="#">IK1900193</a> | Post 2010 A/C Pressure Transducer Diagnostics                                                          | 06/07/2012 |
| Wiper/Windshield Washer   |                                                                                                        |            |
| Document #                | Title                                                                                                  | Date       |
| <a href="#">IK0800092</a> | The First Check to Make When Troubleshooting Any ESC or Body Controller Issue                          | 08/22/2007 |

| <a href="#">IK1900088</a> | Wiper Troubleshooting on 2007 HPV and Prostar                                                                                                                                              | 03/04/2008 |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <a href="#">IK0800185</a> | Wipers and Aftermarket Lights Inop on Post 2007 Trucks with Body Controller                                                                                                                | 06/09/2009 |
| <a href="#">S08360</a>    | Windshield Wiper/ Washer Troubleshooting Guide- ProStar and LoneStar Models Built after January 2007, Includes 2010 Model                                                                  | 12/19/2012 |
| <a href="#">S08324</a>    | ELECTRICAL SYSTEM TROUBLESHOOTING GUIDE - 3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, CXT, DuraStar, RXT, TranStar, and WorkStar Models Built After 03/01/2007 | 12/19/2012 |
| Lighting Systems          |                                                                                                                                                                                            |            |
| Document #                | Title                                                                                                                                                                                      | Date       |
| <a href="#">IK0800092</a> | The First Check to Make When Troubleshooting Any ESC or Body Controller Issue                                                                                                              | 08/22/2007 |
| <a href="#">IK0800412</a> | Headlight Operation and Troubleshooting                                                                                                                                                    | 01/02/2013 |
| <a href="#">IK0800348</a> | Combined or Seperate Turn and Stop Lights                                                                                                                                                  | 02/27/2012 |
| <a href="#">IK0800059</a> | Brake Lights Staying On                                                                                                                                                                    | 02/14/2007 |
| <a href="#">IK0400056</a> | 07 and Newer Brake Light Operation on HPV with Full Power Brakes                                                                                                                           | 01/09/2009 |
| <a href="#">IK0400057</a> | 07 and Newer Brake Light Operation on HPV, Prostar and Lonestar with Air Brakes                                                                                                            | 02/11/2009 |

 Hide Details

## Feedback Information

Viewed: 772

Helpful: 10

Not Helpful: 0

No Feedback Found