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Less Info

Christopher

Joe

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Languages: Français, Español,

33011

Title: The First Check to make when Troubleshooting any Body Controller or ESC Issue

Applies To: All Vehicles with ESCs or Body Controllers

CHANGE LOG

04/01/2015 - Update link to ProStar Circuit Diagram	
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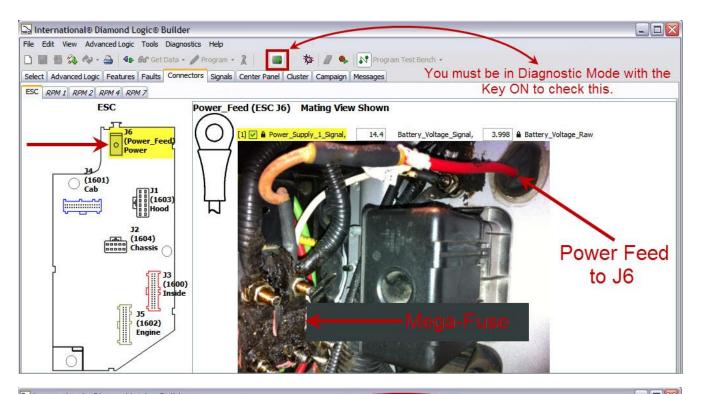
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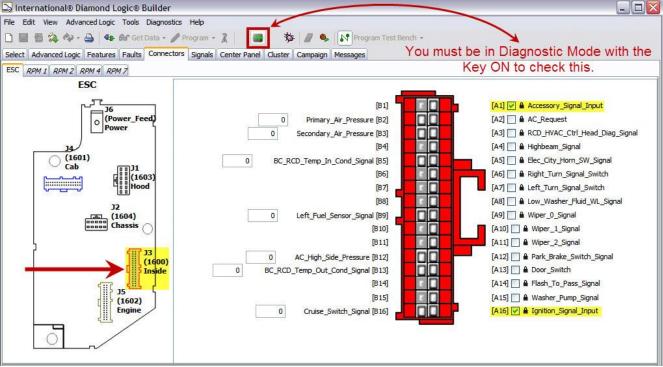
This outlines how to verify the 2007-Current Body Controller is receiving proper voltage and ground inputs to power up properly. The pre-2007 ESC works the same way as the Body Controller. The Connector and Pin information for the ESC can be found at the bottom of the article.

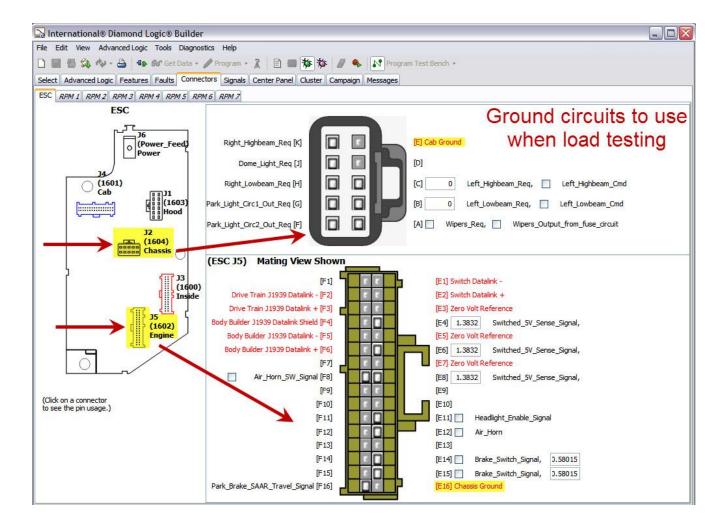
TROUBLESHOOTING

- 1. Hook up DLB and monitor these pins in DLB. There should be a check mark next to both the ignition, accessory and power feed signals. Don't go by the voltage number reading in DLB, it isn't accurate. Only look for the check marks. You will probably see that one of these three signals is not getting a check mark beside it.
- 2. Hook up your break out box to the 1600 connector of the Body Controller and check the voltage on all 3 power pins with a multimeter. For pin numbers, see below.
- 3. If both 1600 connector pins have voltage, but the problem persists, then you need to load test the two 1600 connector pins through the breakout box with a headlamp using the Body Controller ground circuits.
- 4. Load test the main battery circuit to the Body Controller J6 power feed stud.
- 5. Remove Mega-Fuse. Clean it thoroughly and inspect for cracks. Ohm the fuse end to end to insure it is not cracked internally as this has been known to be a problem.

BODY CONTROLLER SIGNALS TO WATCH





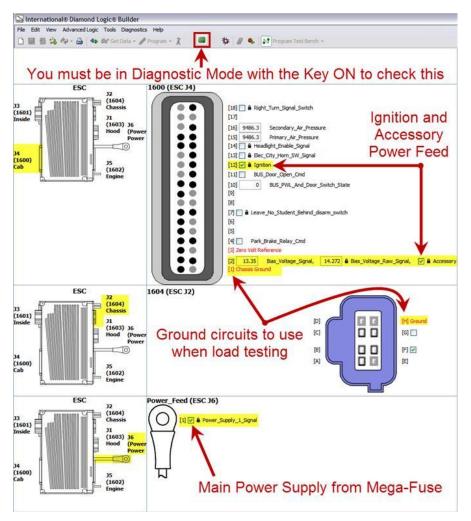


BODY CONTROLLER CIRCUIT DIAGRAMS

- PROSTAR / LONESTAR
- DuraStar / WorkStar / TranStar
- TerraStar

ESC SIGNALS TO WATCH

• The ESC works the same way as the Body Controller. Here are the Connector and Pin locations for the ESC



ESC CIRCUIT DIAGRAMS

All Models with ESC



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