Leadership 61 Transfer Seat Base
Installation Instructions for Dash Harness

2008 – 2016 Chrysler / Dodge

- Utilize these instructions only for Leadership 61 Transfer Seat Bases with Serial Numbers begin with ‘AC’ or ‘AD’
- These instructions work with all lowered floor conversions available for 2008 – 2016 Chrysler and Dodge Minivans.

**Figure 1.1: Universal Dash installation Harness: B&D P/N : # SA-8851-5**

**Required Electrical Connections :**

1.) **Power** = Battery ONLY – 40 Amps
2.) **Ground** = Battery (preferred) or any chassis screw that is metal-to-metal
3.) **Ignition** = “True Ignition” Wire (SEE: Step 3)
   *Orange 18ga from B&D Dash Harness to M-15 fuse in TIPM under hood next to battery.*
4.) **BSIS** = Brake Shift Interlock Solenoid Wire **ONLY** (SEE: Step 4)
   *Two yellow 18ga from B&D Dash Harness to 20ga Brown/Yellow on Ignition Harness.*

Note: Additional Wiring Tips can be found in Step 5 of these Instructions.
B&D Recommends Interrupting the Brake Shift Interlock Solenoid (BSIS) Wire Instead of the Engine Start Wire.

A.) This allows the customer to start their vehicle to **cool it down, or warm it up**, in the event of an interlock failure.

B.) This also allows the customer to start their vehicle with their **remote start**, no matter what position the transfer seat base is in.

C.) Wiring in this way eliminates having to perform **water-proof** electrical connections on OEM wires under the hood (IE butt-connectors on engine-start wire).

D.) The 2008 – 2016 Chrysler / Dodge has a removable access-plug on the dash near the gear-shift handle to allow a secondary key to be inserted through the removed dash plug to depress a lever to release the BSIS in the event of an interlock failure.

E.) The BSIS wire is more readily accessible than the Engine Start wire on a 2008 – 2016 Chrysler / Dodge.

F.) The wiring in this L61 Gen 2 transfer seat base is not large enough to handle the large amount of current an engine-start wire needs to carry; the BSIS wire only carries small current.

**Recommended Dash Harness Routing Location**

![Figure 1.2](image)

A.) Driver side = Harness Routes to the Left. Passenger side (NOT shown) = Harness Routes to the Right.

B.) Start with 5-pin plug positioned on the floor, mid-way between right & left dog bones, and all the way forward to where the lowered floor meets the front vertical transition panel.

C.) Route the harness from the 5-pin plug to the center dash lower extension panel.

D.) Feed the harness between the bottom edge of the center dash lower extension panel and the floor.

E.) Pull the harness up behind the dash panels following the green line in Figure 1.2.

F.) Finally, route harness to the 5 appropriate wire connections listed in the ‘Required Electrical Connections’ Section of these Instructions.
1.) Power Supply Connection

A.) Locate the Chrysler Main Wire Harness under the dash to the left of the steering column (SEE: Figure 1.3) Use black electrical tape to secure orange 18 Ga wire to 12/2 gray duplex cable (SEE: Figure 1.4).

B.) Pierce grommet around Chrysler main wire harness and insert 12/2 cable & orange wire through (SEE: Figure 1.3).

Note: Power should ONLY BE OBTAINED at the vehicle battery with a 40 Amp fuse (orange). The Conversion Company fuse panel only allows for a maximum fuse of 30 Amps; the 40 Amp fuse cannot be located to the Conversion Company fuse panel. The 40 Amp fuse is to protect the main power wire going into the transfer seat base; the 40 Amp main power wire splits and feeds both the 30 Amp and 2 Amp fuse on the circuit board.

2.) Ground Connection

A) Make the Ground connection at the vehicle battery. Figures 1.5 and 1.6 show the connection of the 12/2 black ground wire to the negative (-) terminal of the vehicle battery.

B) Cover wires with loom (SEE: Figure 1.6).
3.) **Ignition Wire Connection**

“True-Ignition” is obtained by using the TIPM fuse in the #M-15 slot with an ‘Add-A-Circuit.’

![Add-A-Circuit](image1)

A.) Remove 20 Amp mini fuse from “M-15” slot (SEE: Figure 1.7)
B.) Install the 20 Amp mini fuse ( from A above ) in vacant slot in the “Add-A-Circuit”. (SEE: Figure 1.8)
C.) Install the “Add-A-Circuit” into the “M-15” slot.
D.) Orange 18 ga. wire connects to “Add-A-Circuit”.
E.) Cover orange wire with loom.

4.) **Brake Shift Interlock Solenoid (BSIS) Connection**

The BSIS wire is a 20 ga. brown/yellow at Pin #7 of the black 12-Pin Ignition Switch Harness plug.

A) Remove the side panel from the driver side dash (SEE Figures 1.9 & 1.10)
Chrysler 2008-2016 Model L61 “Generation 2” Dash Harness Installation Instructions

B) Remove the lower dash panel below the steering column (SEE Figures 1.11 through 1.16).

Figure 1.11

Figure 1.12

Figure 1.13

Figure 1.14

Figure 1.15

Figure 1.16
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C) Peel “Boot” from Lower Dash “Lip” using a constant but medium pulling force. (SEE Figures 1.17 & 1.18) Allow Lower Dash to Hang Down By Hood Release Cable and the OBD-2 Connector. (SEE Figure 1.19)

![Figure 1.17](image1)
![Figure 1.18](image2)
![Figure 1.19](image3)

**WARNING**

DO NOT DISTURB THE AIR BAG SYSTEM; THE AIR BAG AND AIR BAG MOUNTING PLATE SHOULD NOT BE UNBOLTED, DISCONNECTED, OR UNPLUGGED.
D) The plug in back of ignition switch is about 3” below dash key switch or “engine-start” button (SEE Figures 1.20 & 1.21). Depress safety lock tab on top of plug while pulling plug out of socket (SEE Figures 1.22 & 1.23).
E) Remove the electrical tape from around the plug (SEE: Figure 1.24). Interrupt the 20 ga brown / yellow trace BSIS wire by cutting 3” away from the OEM plug (SEE: Figure 1.25).

F) Add a Male and Female Insulated Push-On Wire terminal to the BSIS wire (SEE Figure 1.26); connect the yellow interlock wires to complete the interrupt (SEE Figure 1.27).
G) Reassemble dash and route harness to Transfer Seat base position (SEE: Figure 1.28)

**Test Dash Harness for Correct Operation**

A.) Install 40 Amp ATC fuse in fuse holder at battery.
B.) Re-install removable driver seat (if removed).
C.) On the 5-pin plug at the floor, connect a volt meter between the black wire & white wire. Meter should show at least 12 volts when testing for battery voltage and ground at the plug.
D.) Start engine.
E.) On the 5-pin plug at the floor, connect a volt meter between the black wire & orange wire. Meter should show at least 12 volts when testing for ignition voltage at the plug. Remove volt meter.
F.) Depress brake pedal and attempt to shift vehicle out of “Park”. The vehicle should not shift.
G.) Get a scrap piece of wire (cut 4”off of orange 18 ga ignition wire), strip both wire ends, and insert each wire end into the 5-pin plug terminals that correspond with the two yellow wires in the plug. While the 2 yellow wires are being “jumped” together with the piece of scrap wire, and the engine is running, depress brake pedal and attempt to shift vehicle out of “Park”. The vehicle should shift.
H.) If steps A.) through G.) function correctly, the dash harness has been correctly installed.

5.) **Dual Driver & Passenger Seat Base Installation**

If installing Driver and Passenger Model L61 Generation 2 seat bases into one vehicle, you must purchase and install a Multi-Seat-Base Connector Assembly # SA-8851-6 from B&D Independence. It is a “Plug-N-Play” harness and requires no additional wiring modification to add. (SEE Figure 1.30)