

Instructions



LockBoss E-WTDL750-A Work Truck Door Lock Module

2018 - 2021 1500-5500 RAM Trucks

Supports RAM Classic "DS" Chassis - Not For Use on New Style "DT" Chassis

System Overview

Introduction

The E-WTDL750-A is an alarm system that will honk the OEM horn and flash the OEM front and rear turn signals whenever the vehicle transmission is in Park, the doors are locked, and one of the rear door switches are tripped. If the doors are unlocked, the system will not trigger the alarm. A "silence" button is also available to shut off the alarm if the end user accidentally sets off the alarm and is not near the OEM key fob.

Installation Instructions

Disconnect vehicle battery before proceeding with installation.



WARNING
Disconnect the battery to
prevent setting a check engine
light.

IMPORTANT — READ BEFORE INSTALLATION

It is the installer's responsibility to route and secure all wiring harnesses where they cannot be damaged by sharp objects, mechanical moving parts and high heat sources. Failure to do so could result in damage to the system or vehicle and create possible safety concerns for the operator and passengers.

Avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Avoid radio frequency energy from antennas or inverters next to the module. Avoid high voltage spikes in vehicle wiring by always using diode clamped relays and solenoids when installing upfitter circuits.

CAUTION

All electronic products are susceptible to damage from Electrostatic Discharge or ESD. Ground yourself before handling or working with the module and harnessing by first touching chassis ground, such as the barrel of the cigarette lighter.



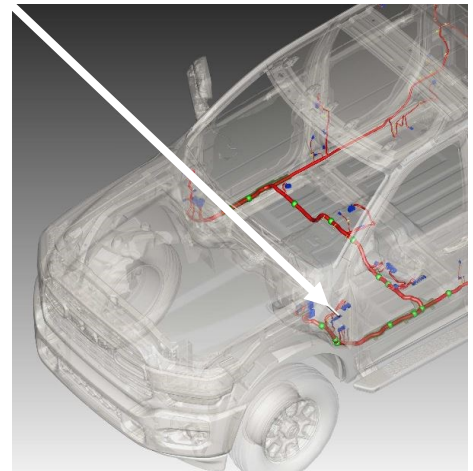
E-WTDL750-A Module

Remove the lower dash panel below the steering column area and find a suitable location to mount the module so that the Diagnostic LED's can be viewed with the lower dash panel removed. Locate the module in an area away from any high heat sources (engine heat, heater ducts, etc.). Do not actually mount the module until all wire harnesses are routed and secure. The last step of the installation is to mount the module.

Instructions

Plug and Play Harness (E-WTDL750-A)

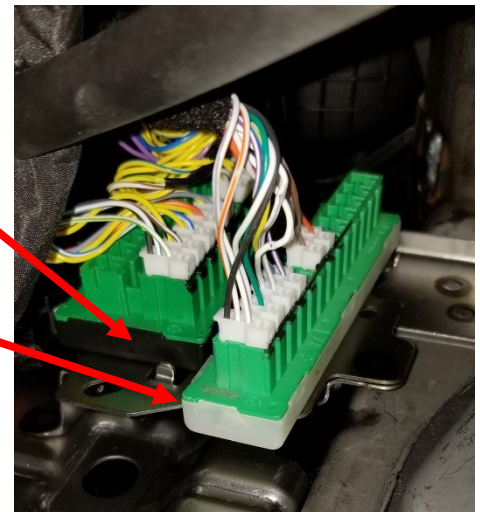
1. Locate the vehicle OBDII Data Link Connector. It's a White 16-pin connector around the area above the drivers left foot.
2. Use a flat screwdriver to remove the OEM OBDII connector. There are tabs on the sides of the connector that allow it to snap into place. Press the tabs and push the connector up and out of its bracket. The WTDL kit includes a Data Link harness (see picture). Plug the red connector from the WTDL Data Link Harness into the vehicle's OBDII connector. Ensure the connection is fully seated and secured with the supplied wire tie.
3. Mount the white connector from the WTDL Data Link Harness in the former location of the vehicle's OBDII connector, by snapping it into place.
4. Plug the free end of the Data Link Harness into the extended harness which then plugs into the mating 6-pin connector on the E-WTDL750-A module.
5. Locate the STAR connector bank in the location shown (next to the Park Brake).



RAM 2500 - RAM 5500

1. There are multiple banks of Star connectors. One of the banks has a White base and the other has a Black base.
2. Plug the 2-pin E-WTDL750-A connector with **Yellow and Brown wires** into one of the unused ports with the **Black base**.
3. Plug the 2-pin E-WTDL750-A connector with **Green and Blue wires** into one of the unused ports with the **White base**.

* There will be 3 STAR connectors on the E-WTDL750 harness. The larger of the 3 connectors will only be used if being installed on a RAM 1500.



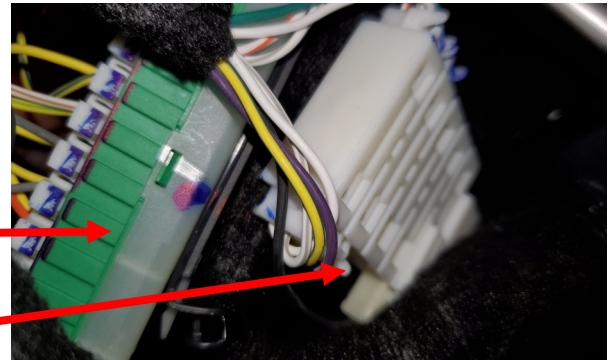
Instructions

Plug and Play Harness (E-WTDL750) Continued

RAM 1500 (Classic)

On the Data link harness locate the larger white 2 pin connector with the blue and green wires. This connector will be used to plug into the vehicle.

1. There are multiple banks of Star connectors located above the Parking Brake. One of the banks has a Green and White base and the other a solid white base.
2. Plug the 2-pin E-WTDL750 connector with **Yellow and Brown wires** into one of the unused ports with the **Green base**.
3. Plug the **larger 2-pin E-WTDL750 connector with Green and Blue wires** into one of the unused ports with the **White base**.



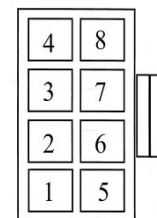
8-Pin Input Pin-Out Definition (J4)

PIN #1 (Blue Wire): Connect this wire to an output that provides a ground signal when the doors are unlocked.

PIN #2 (Yellow Wire): Connect this wire to the mating bullet on the included button. Connect the Black wire on the button to a ground source.



- Pin #1 — Blue Wire - Service Body Door(s) Input (Ground)
- Pin #2 — Yellow Wire - Silence Alarm Button (Ground)
- Pin #3 — N/C
- Pin #4 — N/C
- Pin #5 — N/C
- Pin #6 — N/C
- Pin #7 — N/C
- Pin #8 — N/C



8-Pin Connector

Connect the 8-pin connector to the module

E-WTDL750-A Module

Ensure all the harnesses are properly connected and routed, and are not hanging below the dash area. Mount the E-WTDL750-A module as described on page one. Secure using screws or doubled sided tape.

Reconnect vehicle battery

Instructions

Post Installation Operational Test

1. Turn the ignition ON to wake up and initialize the WTDL750 module.
2. With the vehicle transmission in Park, lock the doors using fob or door switch. Open one of the service body doors. The horn will sound and the lights should flash. Press the silence button or press the unlock button on the key fob or door switch to turn off the alarm. If the reset switch is pressed, press the unlock button on the key fob or door switch to rearm the alarm.

Instructions

Leave in vehicle

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Operating Instructions E-WTDL750-A

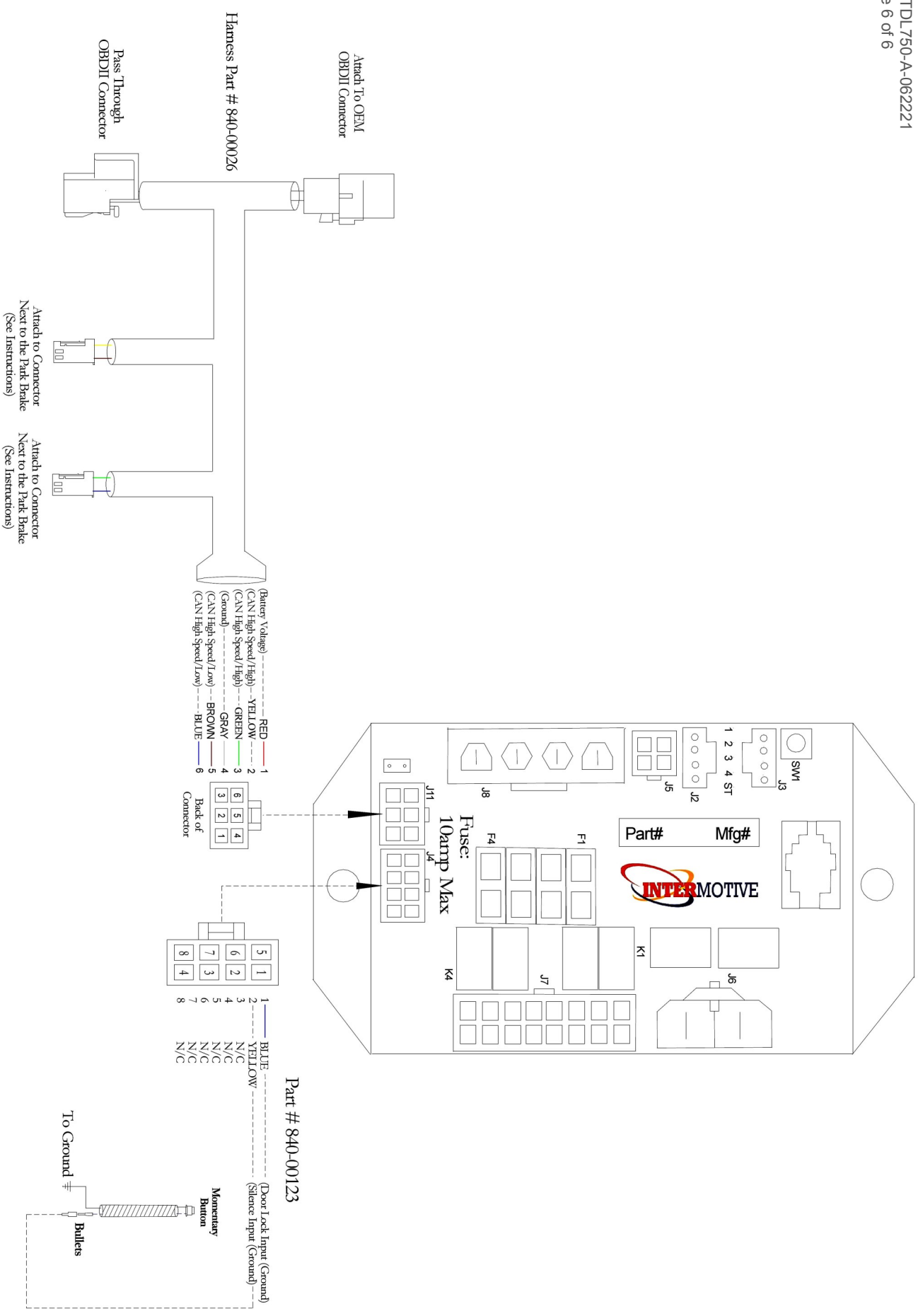
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1. Pressing fob lock or the door lock button will arm the WTDL750 module.
2. If a service body cabinet door is opened (or already opened) when doors are locked, alarm will sound.
3. To disable alarm, press fob unlock or the door unlock button.
4. To rearm the alarm, press fob lock or the door lock button.

If the E-WTDL750-A fails any step in the System Operating instructions, please review the instructions.
If necessary, call InterMotive Technical Support at (530) 823-1048.



Submit product registration at www.intermotive.net

If the E-WTDL 750-A fails any step in the Post Installation Check List, review the installation instructions and check all connections.
 If necessary, call InterMotive Technical Support at (530) 823-1048.