Instructions

INTERMOTIVE VEHICLE CONTROLS
An ISO 9001:2015 Registered Company

Idle Timer Disable - H-ITD507-A
2023 Ford F250 - F600

System Operation

The ITD507-A allows an engine to continuously idle when certain aftermarket equipment requires the engine to be running. When the operator engages the power switch to this equipment, the ITD507-A prevents the OEM Automatic Engine Stop from shutting down the engine. This allows continuous idling when the equipment is in use. When the equipment power switch is disengaged, the Idle Timer Disable module allows the OEM Automatic Engine Stop to function normally.

Installation Instructions

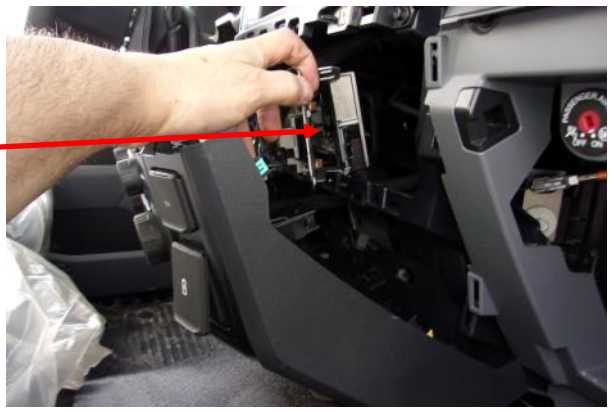
WARNING
Disconnect the battery to prevent setting a check engine light.

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.

Disconnect the vehicle's battery to avoid the possibility of setting trouble codes during installation. Remove the lower dash panel below the steering column area and find a suitable location to mount the ITD507-A module. Locate the module in an area away from any external heat sources. Do not actually mount the module until all wire harnesses are routed and secure (last step of the installation is to mount the module).

Ford 26-pin Data Link Harness (4-pin connector)

The Ford Super Duty has an OEM Gateway module located on the other side of the SYNC 4 module, which is behind the center console. Follow the steps below to access it:



Instructions

Installation Instructions (Continued)

1. Remove the RH instrument panel trim using a trim removal tool. The trim starts at the ignition switch and ends at the silver clip. The glove compartment can be opened to better access the back side of the trim.

2. Using a trim removal tool, pop out the upper right corner of the lower steering column close out panel. Position it away from the center stack.

3. Remove the 4 bolts (Size: 7mm) located at the top of the center stack.

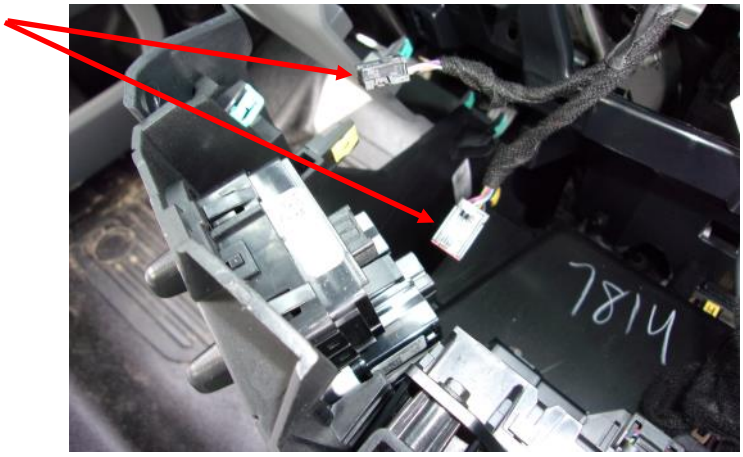
*U.S. Patent #9,469,261

Instructions

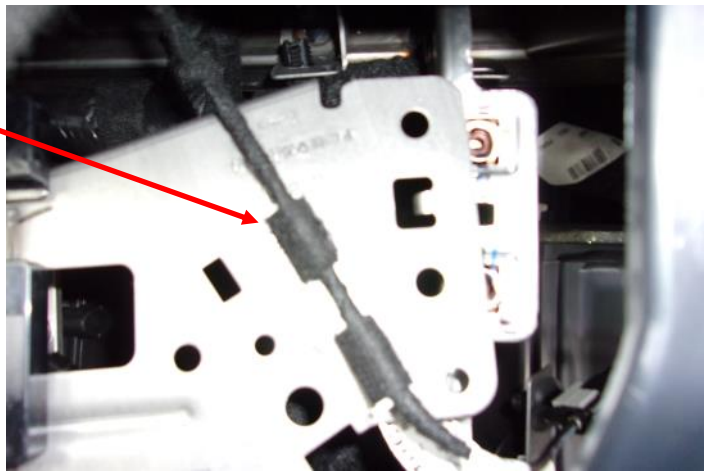
Installation Instructions (Continued)

4. Release the clips on both sides of the center stack using a trim removal tool. Position the center stack away from the mounting points.

5. Disconnect the 2 connectors behind the center stack.



6. Detach the push-mount cable tie from the bracket and position the cable out of the way.



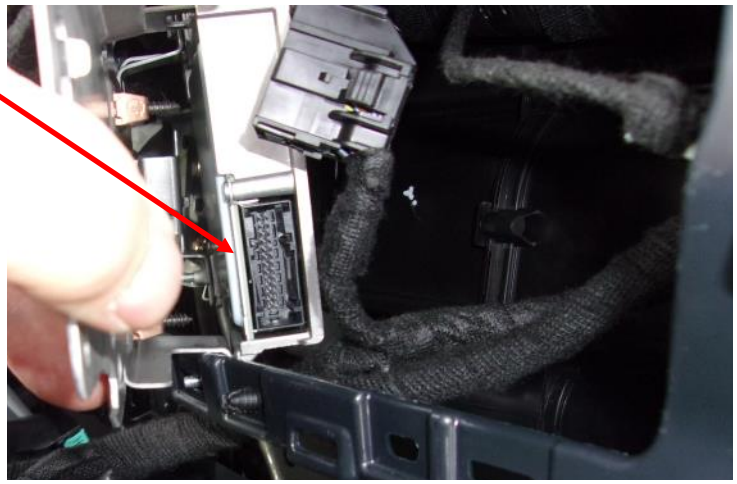
*U.S. Patent #9,469,261

Instructions

Installation Instructions (Continued)

7. Remove the 4 bolts (Size: 7mm) and position the bracket away from the mounting points to access the Gateway Module. The Gateway Module is located behind the bracket.

8. Disconnect the Gateway Connector by pressing down on the tab and pulling the connector away from the module.



9. Install the Datalink Harness between the Gateway Module and the disconnected Gateway Connector.

10. Run the 4-pin connector of the datalink harness to the mounting location of the module.

11. After the Datalink Harness is installed, reverse the installation procedure to reassemble.

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Power Input Harness

Connect the Idle Timer Disable Data Link connector Pin #1 red wire to the load side of the aftermarket equipment switch such that this wire supplies +12V when the equipment is in use.

External Alarm Output

Pin #7 orange wire of the 8 pin connector J3 on the ITD module is a +12V output that activates in the event ITD fails to override the OEM Automatic Engine Stop for any reason. This output will remain active until power is removed from the module or the engine is restarted. Module power is cycled with the aftermarket equipment switch that supplies +12V to the module.

If OEM Automatic Engine Stop occurs the key must be cycled to OFF before restarting the engine.

Secure the Module

Mount the module with two screws or double sided tape.

Testing

TIP: The OEM Automatic Engine Stop timer can be reduced in the settings menu of the vehicle touchscreen for testing. Once override is verified be sure to set the Automatic Engine Stop timer to the maximum duration of 30 minutes.

- Reconnect the battery.
- Start the engine and turn on the auxiliary equipment which is connected to the ITD507-A.
- Make sure the engine does not automatically shut off after the Automatic Engine Stop timer is expired. If properly installed and working, the ITD507-A will prevent the OEM idle timer from shutting off the engine. Any driver input, such as touching the Service Brake, Accelerator pedal, etc., will restart the OEM timer.
- If the engine still automatically shuts down, recheck all connections.

Call InterMotive Technical Support if needed: 530-823-1048.

If module works properly, reinstall the lower dash panel, making sure harnesses are properly secured.

Submit product registration at www.intermotive.net

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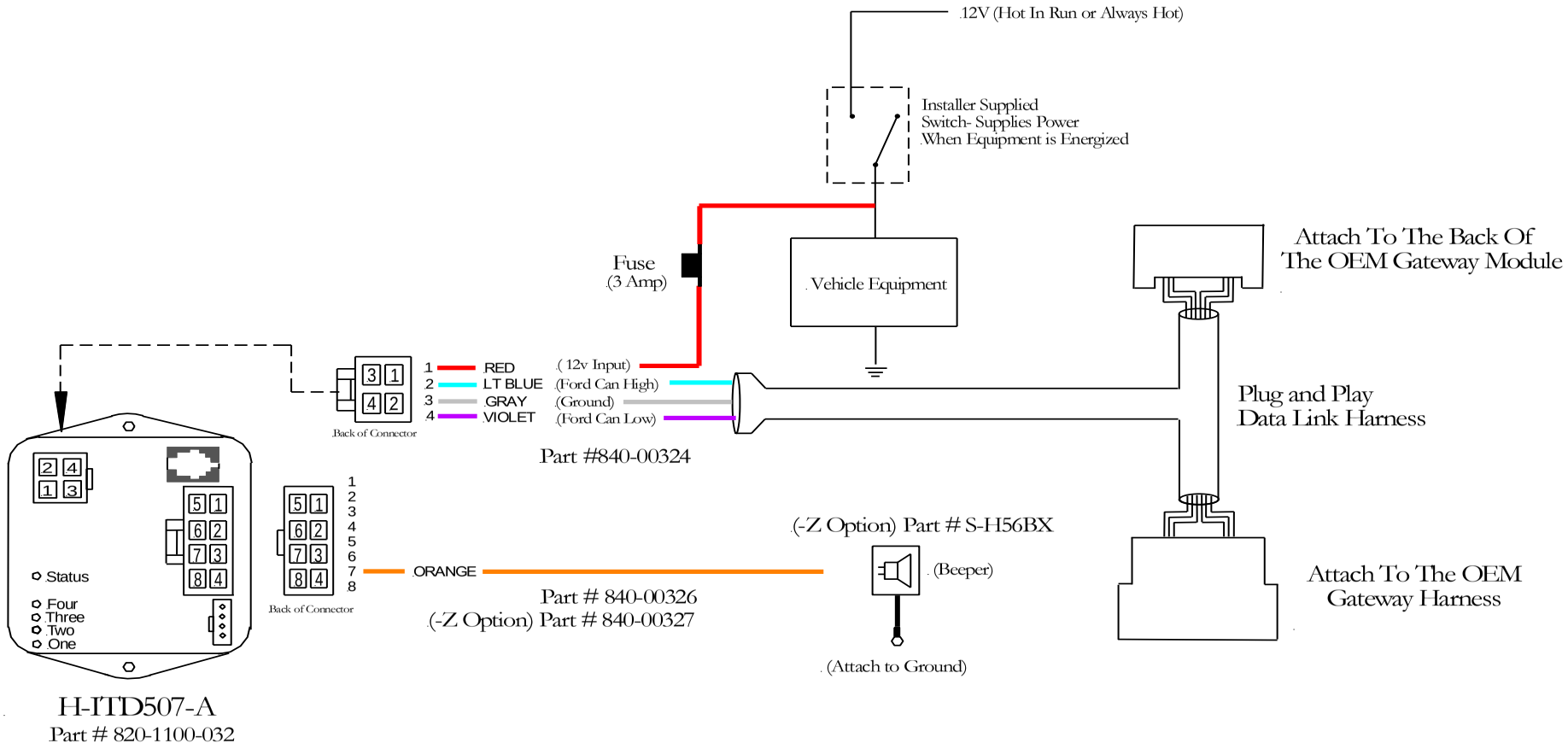
H-ITD507-A Idle Timer Controller



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If the H-ITD507-A fails to operate properly, review the installation instructions and check all connections. If necessary, call

InterMotive technical support @ (530) 823-1048.

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