

Idle Timer Controller - ITC502-A1

2011 - 2016 Ford F-250 - F-550 Series - 6.7L Diesel Engines Only

System Operation

The ITC502-A1 allows a diesel 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 ITC502-A1 prevents the OEM Engine Shutdown System (ESS) from "Timing Out" and shutting down the engine. This allows continuous idling when the equipment is in use. When the equipment power switch is disengaged, the Idle Timer Controller module allows the Engine Shutdown System to function normally.



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

Installation Instructions

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 ITC502-A1 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).

Data Link Harness

- Locate the vehicle OBDII Data Link Connector. It will be mounted below the lower left dash panel.
- Remove the mounting screws for the OBDII connector. Plug the red connector from the Idle Timer Controller Data Link T- Harness into the vehicle OBDII connector. Ensure the connection is fully seated and secured with the supplied wire tie.
- Mount the black connector from the Idle Timer Controller Data Link Harness in the former location of the vehicle OBDII connector.
- Secure the ITC501-A1 harness so that it does not hang below the lower dash panel.
- Plug the 4-pin connector from the Data Link Harness into the 4-Pin connector on the ITC501-A1 module.



Idle Timer Controller - ITC502-A1

2011 - 2016 Ford F-250 - F-550 Series - 6.7L Diesel Engines Only

Power Input Harness

Connect the Idle Timer Controller 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.

Secure the Module

Mount the module with two screws or double sided tape.

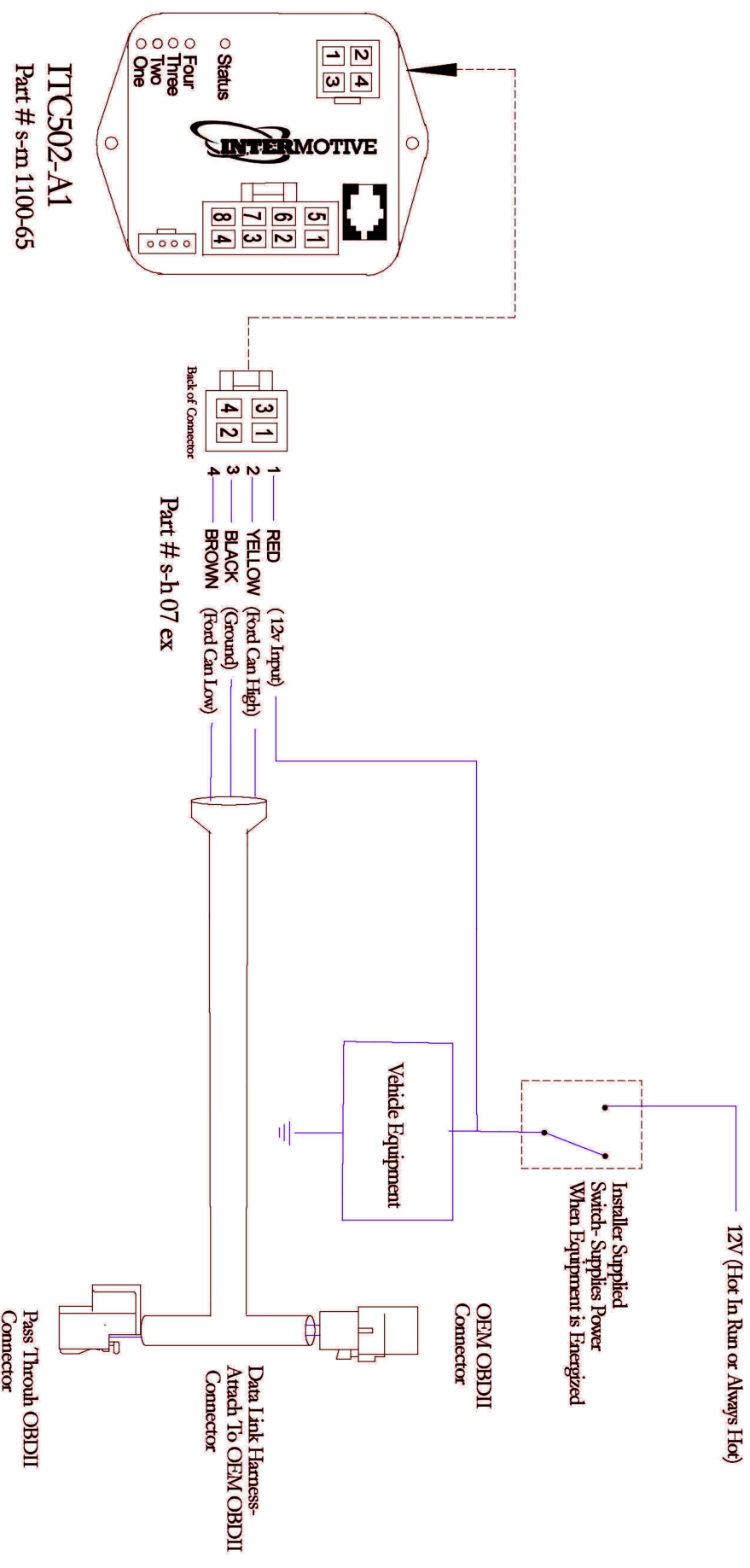
Testing

- Reconnect the battery.
- Start the engine and turn on the auxiliary equipment which is connected to the ITC502-A1.
- Make sure the engine does not automatically shut off after 5 minutes (15 minutes if Park Brake is set). If properly installed and working, the ITC502-A1 will prevent the OEM ESS (CARB) idle timer from shutting off the engine. Note that any driver input, such as touching the Service Brake, Accelerator pedal, etc., will restart the OEM timer.
- If the engine still automatically shuts down after 5/15 minutes, 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

ITC502-A1 Idle Timer Controller



Submit product registration at www.intermotive.net

If the ITC 502-A1 fails to operate properly, review the installation instructions and check all connections. If necessary, call

InterMotive technical support @ (530) 823-1048.

ITC502--080116-CAD