

## Idle Timer Controller - ITC507-A1 2017 Ford F250 - F550 - 6.7L Diesel Engines Only

### System Operation

The ITC507-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 ITC507-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.

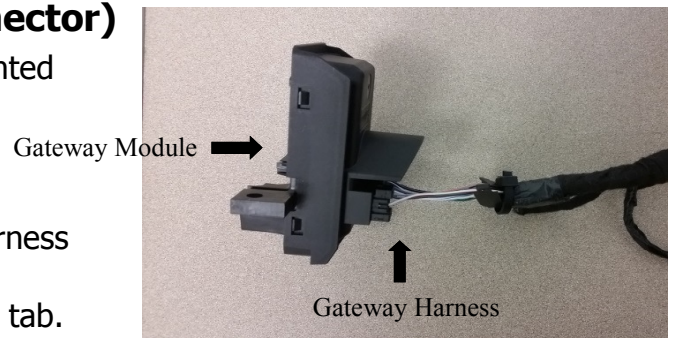
### Installation Instructions

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 ITC507-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).

### Ford 24-pin Data Link Harness (4-pin connector)

1. Locate the vehicles Gateway Module. It will be mounted below the lower left dash panel.
2. Remove the harness behind the Gateway module by pressing the locking tab and pulling outward.
3. Plug the Female side of the Intermotive Gateway Harness into the back of the Gateway module. Ensure the connection is fully seated and secured by the locking tab.
4. Plug the Male side of the Intermotive Data Link Harness into the Gateway harness.
5. Secure the ITC Gateway harness so that it does not hang below the lower dash panel and plug the 4 pin connector into the ITC507-A1 module.



## **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.

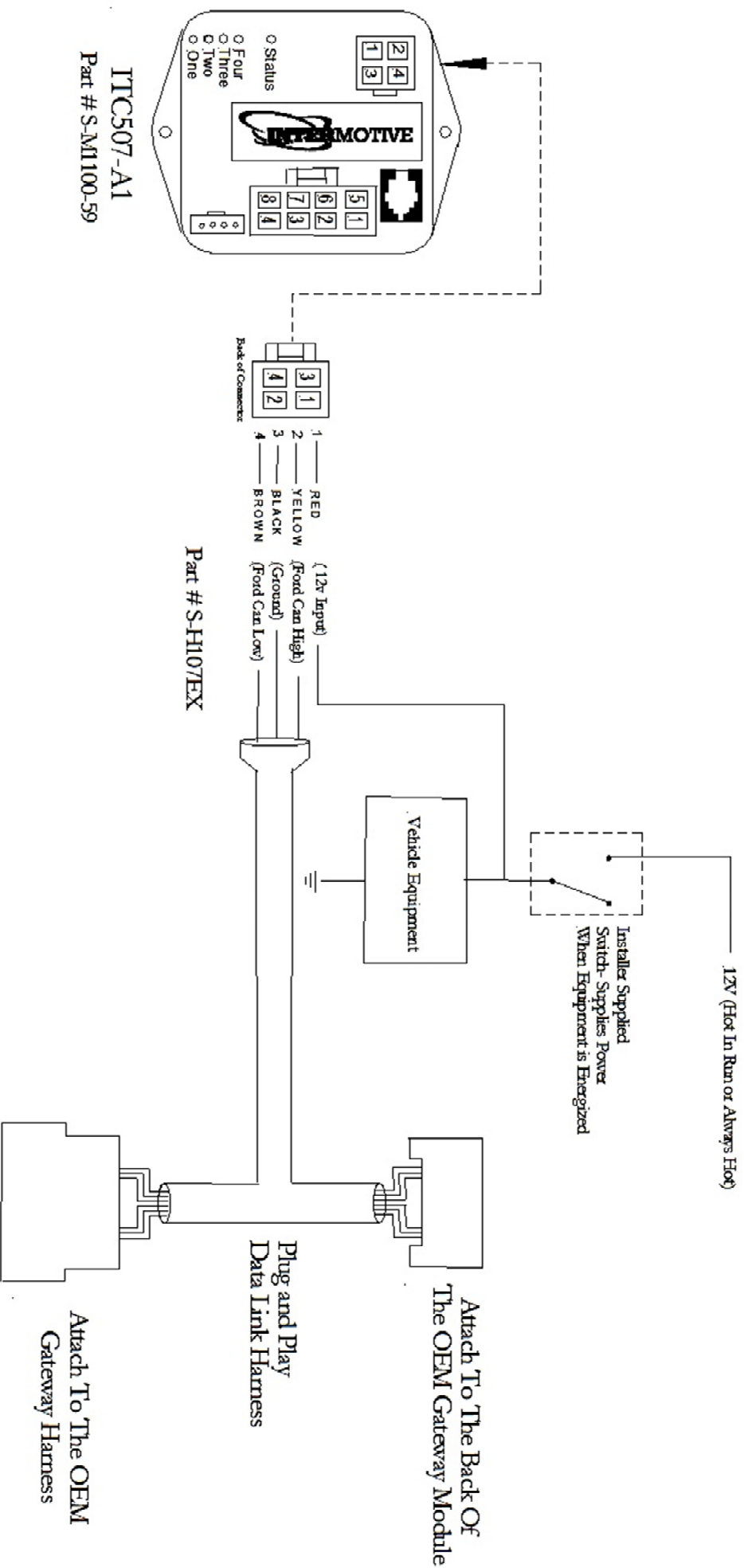
## **Testing**

- Reconnect the battery.
- Start the engine and turn on the auxiliary equipment which is connected to the ITC507-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 ITC507-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](http://www.intermotive.net)**

# ITC507-A1 Idle Timer Controller



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If the ITC 507-A1 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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