

Repair Kit for 1997 Ford 7.3L Power Stroke Trucks with Banks SmartLock Trans Controller

Some 1997 Ford Power Strokes may display a check engine light when a SmartLock is used on the vehicle. This is not an indication of a problem, but can be easily corrected using this Repair Kit.

The Repair Kit consists of a jumper wire with two connectors and a wire splice. This kit, in conjunction with a software upgrade to the SmartLock module, is designed to correct the check engine light and diagnostic code P0743. **NOTE: The repair kit will not correct P0743 diagnostic trouble code unless the SmartLock module's software has been upgraded.**

- 1.** Turn the ignition key off and disconnect the positive terminal of the battery(s).
- 2.** Locate the SmartLock module. Remove the connector from the module.
- 3.** Looking at the back of the connector (wire side), slide the terminal of the White Jumper Wire into cavity 1 of the connector until it

is fully seated. Lightly pull on the wire to ensure it is fully locked into the connector body.
(See **Figure 1**).

NOTE: Cavity 1 is unused and there should be no wire present prior to the installation of the jumper.

- 4.** Locate the wire that is inserted into cavity 10 of the connector, this should be a GREEN wire. Approximately 1/2" back from the connector install the supplied T-Tap connector around this wire ensuring the splice is fully closed. Use pliers to squeeze the splice closed.
- 5.** Plug the end of the White Jumper Wire (installed in step 2) into the splice connected to the GREEN wire.
- 6.** Reinstall the connector into the reprogrammed SmartLock module.
- 7.** Reconnect the battery(s).
- 8.** Installation complete.

