



TECHNICAL BULLETIN

"RAPID FIRE" DOORLOCKS ON SOME 1999 – 2001 FORD SUPER DUTY PICKUPS WITH DIESEL TURBO LIFESAVER AND F1 INTERFACE INSTALLED.

Bulletin date: 5-15-01

SYMPTOMS: It has come to our attention that in a small percentage of the above mentioned trucks, the doorlocks will rapidly go up and down when Diesel Turbo Lifesaver is engaged. This is an inconvenience to the customer, but will not cause harm to the truck's doorlock system because the doorlocks are thermally protected against overheating from rapid cycling.

BACKGROUND: For some unknown reason, Ford has programmed the transmitter of the factory keyless entry system to "lock out" whenever the ignition key is in the ON position. The Diesel Turbo Lifesaver (DTLS) F1 interface fools these trucks into thinking the ignition key is OFF (when it is in fact ON) so the truck can be locked and unlocked with the transmitter. The F1 interface fools the truck by interrupting (by simulating a blown fuse when DTLS is engaged) the ignition feed signal into the doorlock control module.

The question is, "Why has this problem only occurred in 5 or 6 trucks"? We sell thousands of F1 interfaces with no problems otherwise. Is there some option package available that causes Ford to put in a differently programmed doorlock control module? As of the issue date of this bulletin, we have not been able to duplicate this problem. In any case, it is our opinion that Ford has a design flaw in that fuses are supposed to blow to protect circuits, and if a fuse blows (as it is supposed to), another circuit goes crazy? Makes no sense.

THE BOTTOM LINE: As soon as we can duplicate this problem, we will see if we can find a solution. Until then it may be wise for you to test the trucks you are installing DTLS in for F1 interface compatibility by performing the following tests:

- A) Install DTLS as prescribed in installation instructions. Do not install F1 at this time.
- B) Program 1 minute run cycle into DTLS.
- C) Remove ignition key from ignition switch.
- D) Pull fuse #19 from under dash fuse box on left side of steering column.
- E) Operate doorlocks using remote control a few times. If doorlocks rapid fire, truck is not F1 compatible at this time.
- F) If doorlocks DO NOT rapid fire, truck is F1 compatible.

If you have a truck that is not able to utilize the F1, the customer should be made aware of the fact that they can still lock the doors using the door mounted lock switch. If DTLS is engaged, and the customer wishes to reenter the truck, he must unlock the door(s) using the key since the doorlock control module will not respond to the transmitter. Once DTLS times out, the transmitter will work to unlock the doors. A small inconvenience to insure a healthy turbo.

DIESEL TURBO LIFESAVER™ is manufactured by:

BAKER AUTO ACCESSORIES

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