

# LONG CRANK OR RUNS ROUGH AT FACTORY DELIVERY OR AFTER HIGH PRESSURE OIL SYSTEM REPAIR—6.0L

TSB 05-19-14

**FORD:**  
2003-2005 Excursion

2003-2006 F-Super Duty  
2004-2006 E-Series, F-650, F-750

## **ISSUE**

Some 2003-2006 model year vehicles equipped with a 6.0L diesel engine may exhibit a crank time longer than 2.5 seconds in ambient temperatures above 32° F (0° C) and/or during hot restarts, or may exhibit a runs rough condition with no diagnostic trouble codes (DTCs). These conditions may be noticed at factory delivery or after a repair involving removal of high-pressure oil system components. This may be caused by air trapped in the high-pressure oil system.

## **ACTION**

To purge the air, drive the vehicle through at least 12 short, high-demand cycles, or until crank-time has improved (Example: 12 aggressive accelerations 25 MPH to 50 MPH (32 Km/h to 80 Km/h)). Turn off the engine for 5 minutes following the drive cycle, then restart the engine. If crank time remains above 2.5 seconds, perform normal hard start diagnostics per the PC/ED manual.

## **NOTE**

A THREE TO FIVE (3-5) SECOND CRANK TIME MAY BE CONSIDERED NORMAL IN COLDER TEMPERATURES.

## **NOTE**

IF THIS PROCEDURE IS NOT FOLLOWED, IT MAY TAKE MORE THAN 100 MILES OF NORMAL DRIVING TO REMOVE ALL OF THE TRAPPED AIR.

**WARRANTY STATUS:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage

## **DEALER CODING**

BASIC PART NO.  
9A543

**OASIS CODES:** 602300, 608000

CONDITION  
CODE  
53

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