



Long Crank or Runs Rough After HP Oil System Repair on 2003-2006 Ford 6.0L Diesel Engines

The AERA Technical Committee offers the following information for long crank or runs rough after high pressure oil system repairs on 2003-2006 Ford 6.0L diesel engines.

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 after a repair involving removal of high-pressure oil system components. This may be caused by air trapped in the high-pressure oil system.

Purging the trapped by following the steps listed below:

Drive the vehicle through at least 12 short, high-demand cycles, or until the 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 appropriate service manual.

Note: A 3-5 second crank- start time may be expected in colder climate temperatures.

Note: If the above procedure is not followed it may take more than 100 miles of driving to remove the trapped air condition.