

# CRANK NO START, HARD START, RUNS ROUGH AT IDLE—6.0L

TSB 04-25-18

## FORD:

2005 E-Series, F-Super Duty

## ISSUE

Some 2005 F-Super Duty and E-Series vehicles built prior to 11/1/2004 with a 6.0L engine, may exhibit a crank no start with low injection control pressure (ICP), hard start/long crank with slow to build ICP, or a rough idle with high ICP.

## ACTION

This condition may be due to the high pressure oil pump. Refer to the following Service Procedure.

## SERVICE PROCEDURE

1. Remove the injection pressure regulator (IPR) and inspect for deformation of the screen (screen sucked into valve), a hole in the IPR screen, or metal debris covering over half of the IPR screen.
  - a. If any of these conditions are present, change the engine oil and oil filter, then replace the high pressure oil pump and IPR valve.
  - b. If none of these conditions are present, continue with normal diagnostics.
2. Start and run engine to confirm repair is effective.
3. If rough idle is still present, debris may have contaminated a fuel injector(s). Run normal injector diagnostics to identify specific injector(s) before replacement.

PART NUMBER	PART NAME
5C3Z-9C968-CA	IPR
5C4Z-9A543-AA	High Pressure Oil Pump

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

OPERATION	DESCRIPTION	TIME
042518A	F-Super Duty: Remove The Injection Pressure Regulator (IPR), Inspect No Damage Found Reinstall (IPR)	1.2 Hrs.
042518A	E-Series: Remove The Injection Pressure Regulator (IPR), Inspect No Damage Found Reinstall (IPR)	1.1 Hrs.
042518B	F-Super Duty: Remove The Injection Pressure Regulator (IPR), Inspect, And Replace The High Pressure Pump (HPP) And The IPR	5.8 Hrs.
042518B	E-Series: Remove The Injection Pressure Regulator (IPR), Inspect, And Replace The High Pressure Pump (HPP) And The IPR	7.5 Hrs.

## DEALER CODING

BASIC PART NO.  
9A543

CONDITION  
CODE  
42

**NOTE:** The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.