



2004 F650/750 6.0L Diesel

-NOTE-
IF CONCERN IS FOUND, SERVICE AS REQUIRED.
IF THIS CORRECTS THE CONDITION, IT IS NOT
NECESSARY TO COMPLETE THE REMAINDER OF
THE DIAGNOSTIC PROCEDURE.

CUSTOMER NAME	
MODEL YEAR	VEHICLE SERIAL NO.(VIN)
CHASSIS STYLE	

Customer Concerns (Please list in this box)

DEALER NAME	P & A CODE	1863 CLAIM NUMBER	DATE
ENGINE SERIAL NUMBER	ODOMETER	TYPE OF SERVICE	
VEHICLE GVW	TRANSMISSION	AMBIENT TEMPERATURE	PERSONAL <input type="checkbox"/> COMMERCIAL <input type="checkbox"/>

Hard Start and No Start Diagnostics (3 of 5)

15B. Glow Plug System (Components)

- Select the feed wiring loom for the glow plug side that failed.
 - Remove wires from the loom convolute.
 - Install Current Clamp around one of the four wires and perform the Output State Test (Figure N). After 40 seconds, measure amperage. Move clamp to remaining wires one at a time, measuring amperage each time.
- Note:** If any glow plug failed, use a DMM to perform steps 4 and 5.
- Check resistance in wire between glow plug relay and glow plug. (Figure P)
 - Check glow plug resistance to ground. (Figure R)

Glow Plug No.	Record for Step 3	Record for Step 4	Record for Step 5
	Glow plug amperage (8.5 - 16 amps)	Glow plug relay to glow plug (0 -1 Ohm)	Glow plug to ground (.1 - 6 Ohms)
1			
2			
3			
4			
5			
6			
7			
8			

16. Low ICP System Pressure

- Perform only the following low ICP tests if ICP was low during TEST 11.
- If the test result for System Function is Yes, **do not continue with the following tests for Low ICP.**

Low ICP Tests		
Test	Question	Result
16 System function	Greater than 500 PSI (0.82v) ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
16 B IPR isolation	Audible air leak ?	Left <input type="checkbox"/> Yes <input type="checkbox"/> No Right <input type="checkbox"/> Yes <input type="checkbox"/> No
16 C IPR function	Audible air leak ?	Unplugged <input type="checkbox"/> Yes <input type="checkbox"/> No B+ applied <input type="checkbox"/> Yes <input type="checkbox"/> No
16 D Cylinder head isolation	Air leaks in cylinder head components ?	Left <input type="checkbox"/> Yes <input type="checkbox"/> No Right <input type="checkbox"/> Yes <input type="checkbox"/> No
16 E Discharge, rear branch, and connection tubes	Audible air leak ?	Discharge <input type="checkbox"/> Yes <input type="checkbox"/> No Rear branch <input type="checkbox"/> Yes <input type="checkbox"/> No Connection tubes <input type="checkbox"/> Yes <input type="checkbox"/> No
16 F High pressure pump	Greater than 500 PSI (0.82v) ?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Refer to the PC/ED manual, Section 4 for more detail on all of the above test steps.

When troubleshooting a Hard Start/No Start or Performance concern, this form must be filled out to the point of repair and returned to receive warranty credit for diagnostic time for the following parts: Fuel Injectors (9E527), regulator-injection control pressure(9C968), pump assemblyhigh pressure oil (9A543), turbo charger assembly/pedestal (6K684), fuel pump (9350), IDM (12B599) and PCM (EEC)(12A650)
Test Point Figures and Tool Part Numbers are listed on the Following Pages with alternate methods using a DMM

What problems were found and what repairs were performed?

List Part Name, Number and Serial Number of parts replaced.