
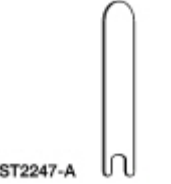


*Fuel Charging and Controls — 7.3L Diesel*  
**REMOVAL AND INSTALLATION**

## Oil Pump — High-Pressure

### Special Tool(s)

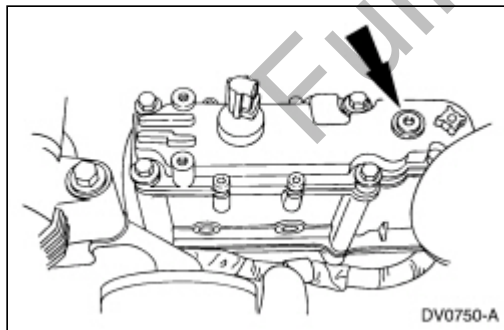
 <p>ST1526-A</p>	<p>Oil Suction Gun            303-D104 (D94T-9000-A) or Equivalent</p>
 <p>ST2247-A</p>	<p>High-Pressure Line Disconnect Tool            303-625</p>

### Material

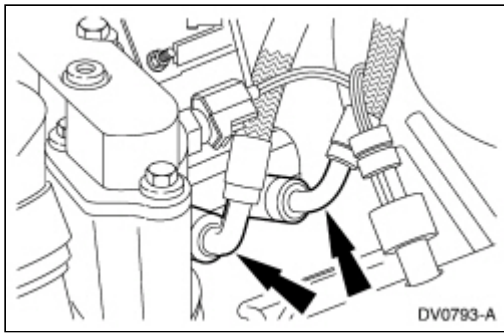
Item	Specification
<p>SAE 15W-40 Super Duty Motor Oil            WSS-M2C171-B or equivalent</p>	<p>XO-15W40-QSD</p>

### Removal

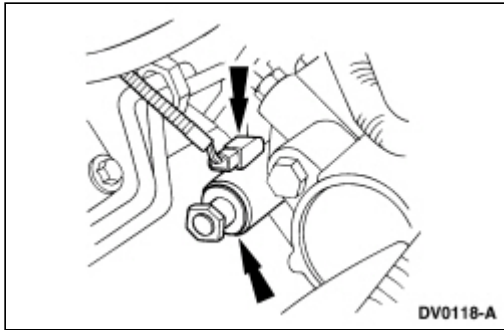
1. Remove the turbocharger compressor manifold.
2. Remove the fuel filter/water separator assembly.
3. Remove the high-pressure oil pump reservoir plug.



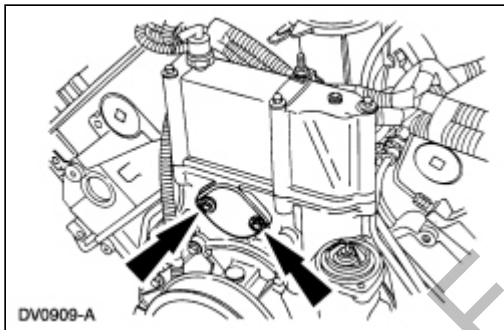
4. Using the Oil Suction Gun, remove the oil from the high-pressure oil pump reservoir.
5. Using the High-Pressure Line Disconnect Tool, remove the hoses from the high-pressure oil pump.



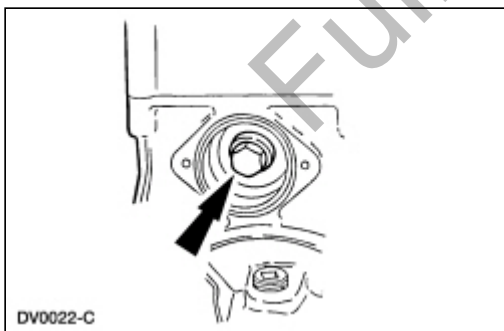
6. Disconnect the electrical connector from the oil pressure regulator.



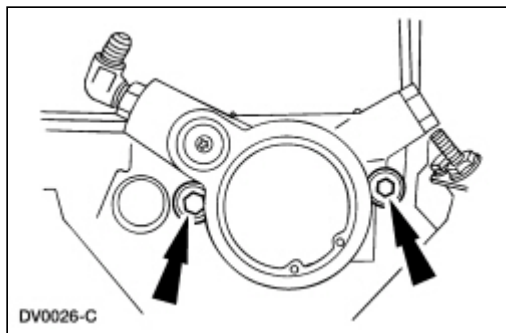
7. Remove the bolts and the cover from the engine front cover. Position the wiring harness aside.



8. Remove the drive gear bolt and washer from the drive gear.

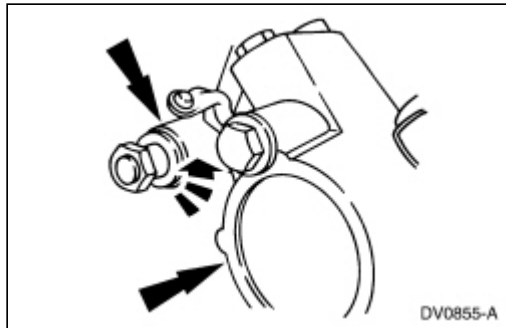


9. Remove the bolts and the high-pressure oil pump from the engine front cover. Remove and discard the gasket.



10. **NOTE:** If the high-pressure oil pump is to be replaced, remove the oil pressure regulator from the pump.

Remove the oil pressure regulator from the oil pump.

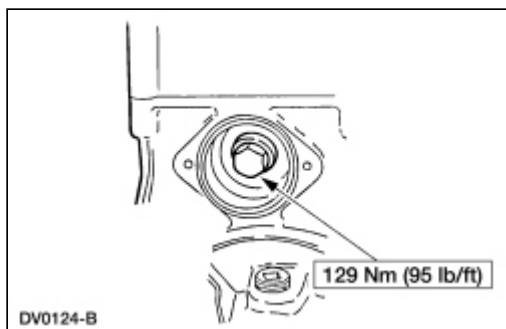
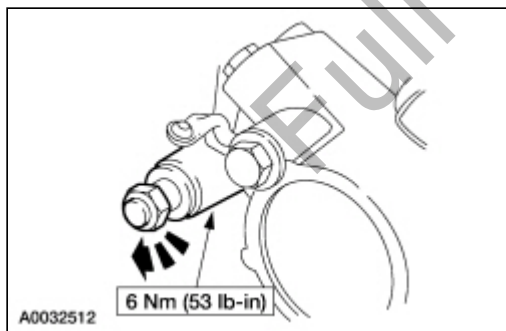


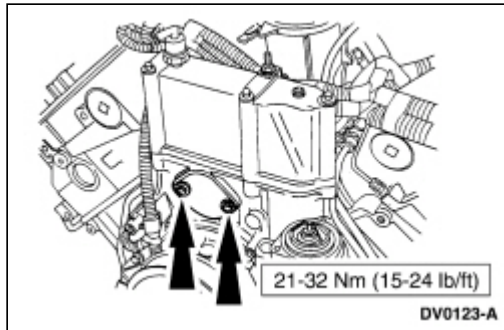
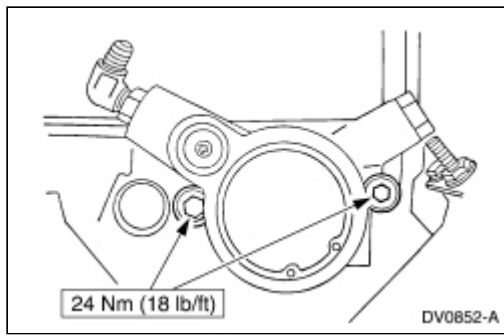
## Installation

1. **CAUTION:** Make sure that the drive gear is fully seated on the high-pressure oil pump before installing the bolt and washer. Otherwise, the drive gear may not seat properly, causing binding or slippage resulting in a no oil flow condition.

**CAUTION:** Fill the high pressure pump reservoir with clean engine oil after installation. Failure to do so will result in a hard start/no start condition until the pump replenishes with oil.

Follow the removal procedure in reverse order.





Full Force Diesel