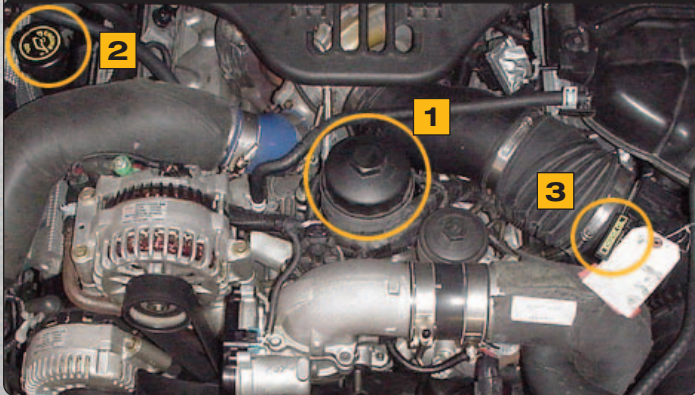


# 6.0L DIT Power Stroke Diesel Engine Oil Change Guide

For 2003.5 M.Y. and later F-250 through F-550 and  
Excursion with the 6.0L DIT Power Stroke Diesel Engine

## LOCATIONS

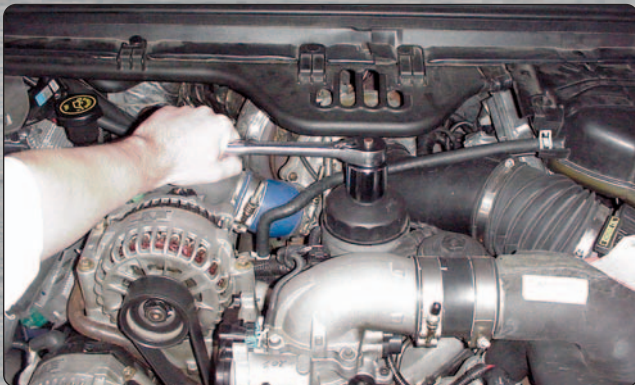
- 1** Re-usable oil filter cap
- 2** Oil fill port
- 3** Oil check dipstick



- 1** Make sure the vehicle is on level ground.
- 2** Turn the engine off and wait a few minutes for the oil to drain into the oil pan.
- 3** Set the parking brake and ensure the gearshift is securely latched in P (Park) (automatic transmission) or 1st (First gear) (manual transmission).

**Important:** To avoid engine damage, change the oil filter before draining the oil pan. This allows dirty oil in the filter housing to drain back into the oil pan.

- 4** Loosen the oil filter cap by using a 36mm socket and a ratchet (location #1)



**NOTE:** Unscrewing the cap opens the oil filter drain and drains the oil from the oil filter housing into the crankcase.

- 5** Remove the cap with the oil filter and O-ring attached. Turn the cap and filter upside down so as not to drip oil.



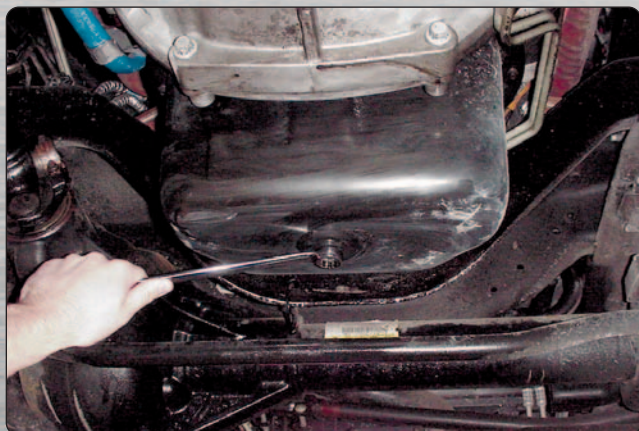
- 6** Using oil resistant gloves, detach the oil filter and O-ring from the re-usable cap and dispose of properly.



**NOTE:** Do not handle a hot oil filter with bare hands. Continuous contact with USED motor oil has caused cancer in laboratory mice. Protect your skin by washing with soap and water.



- 7** From underneath the vehicle, remove the drain plug bolt using a 3/4 in. wrench and drain all the oil from the pan. *Check and clean the drain plug threads*



- 8** Reinstall the drain plug using a new gasket #3C3Z-6734-AA if required. Tighten the drain plug bolt to 14-22lbf/ft or 19-30Nm using a 3/4 in. wrench.

- 9** Attach a new O-ring to the groove above the screw thread on the outside of the re-usable oil filter cap. *Apply a small amount clean engine oil to the surface of the new O-ring*



- 10** Insert the new oil filter element to the inside of the oil filter cap  
*\*Note the oil filter snaps into the oil filter lid*



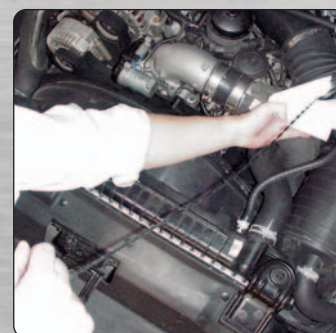
- 11** Screw the cap with attached filter back into its housing and torque to 25Nm or 19lbf/ft, again using the 36mm socket and ratchet.



- 12** Pour 15 quarts of Motorcraft Super Duty oil or equivalent into the engine using the oil fill port (location #2)  
Check engine oil level using the oil dipstick (location #3)



- 13** Start and run the engine for a few minutes, then stop the engine, open the hood and look for leaks. Re-check oil level using the oil dipstick (location #3)



### Tools and Materials used during maintenance:

- Socket wrench (36mm socket) for Oil filter cap
- 3/4 inch wrench for drain plug
- 1 Motorcraft 6.0L diesel engine oil filter with Motorcraft O-ring
- 15 quarts (14.2L) of Motorcraft 15W-40 Super Duty (above 30°F) or 15W-30 Super Duty (below 30°F) engine oil

Large oil collecting basin ■

Oil resistant gloves

- Paper towels
- Funnel



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**Warning: Tightening beyond torque specs will crack reusable oil filter cap.**