

(Note) Even though a banjo fitting has been provided, some engines have been known to have different size drain plugs, requiring a different size banjo fitting. If the banjo fitting provided does not match to the specific drain plug size contact your local puraDYN dealer or puraDYN directly (866- puraDYN) for a different size banjo fitting.

The following document is used in conjunction with the puraDYN® Bypass Oil Filtration System Installation Manual (PFT8 through PFT60) that is included in the unit box, and, as such, should be considered a supplemental source of information. Further, this document covers the installation of a PFT8 Bypass Oil Filtration unit on a Dodge Ram Truck with 3.9 V6 engine. (See **PICTURE 1**)



PICTURE 1

The PFT8 Bypass Oil Filtration unit is mounted to the inside of the engine hood on the passenger fender by way of an "L" mounting plate. Mark, center punch and drill two 13/32" diameter holes through the fender and attach "L" mounting plate with supplied 3/8-16 x 1" long hex bolts, flat washers and nuts as shown in **PICTURES 2 & 3**.



PICTURE 2



PICTURE 3

Orient and attach PFT8 Bypass Oil Filtration unit to "L" mounting plate with supplied "W" and "C" clamps, 1/4-20 x 1" long hex bolts, flat washers and nuts as shown in **PICTURES 4 & 5**.



PICTURE 4



PICTURE 5

Installation Notes for Dodge Ram W/ 3.7 V6 Engine 1998 Thru 2004

Remove oil pressure sending unit from the back of the engine block, install supplied brass "T" fitting and shut-off valve into engine block and reinstall oil pressure sending unit into brass "T" fitting as shown in **PICTURES 6 & 7**. (Note: to access the oil pressure switch you will need to remove the air filter hosing.)



PICTURE 6



PICTURE 7

PFT8 Bypass Oil Filtration unit. Connect pressure supply line from the shut-off valve on the engine to the PFT8 Bypass Oil Filtration unit and install the 1/2" hose barb fitting and return hose as shown in **PICTURES 8 & 9**. Caution! Hose routing should not come in contact with any moving parts, sharp edges or hot exhaust manifold.



PICTURE 8



PICTURE 9

Route supplied vent hose down and between the lower "W" clamp, connect to vent valve assembly, cut to length and tie-wrap in place as shown in **PICTURE 10**.



PICTURE 10

After draining the engine oil and cleaning all surfaces, install supplied banjo bolt, banjo fitting and banjo spacer into the oil pan drain port. Note: Properly orient the banjo fitting in order to avoid damage from road debris. Route and connect the oil return hose from the PFT8 Bypass Oil Filtration unit to the banjo fitting and secure with radiator clamps as shown in **PICTURE 11**. Cover oil return hose with secondary hose (or equivalent) to protect it from getting damaged, as required. Caution! Hose routing should not come in contact with any moving parts, sharp edges or hot exhaust manifold.



PICTURE 11

Route and connect one electrical wire to fuse box using supplied electrical hardware and in-line fuse holder as shown in **PICTURE 14**. Route and connect one wire (using supplied electrical hardware) to ground bolt as shown in **PICTURE 12** Caution! Wire routing should not come in contact with any moving parts, sharp edges or hot exhaust manifold. **PICTURE 13**



PICTURE 12



PICTURE 13



PICTURE 14

Fill engine with oil. Start engine and check all connections for oil leaks. Open metering jet sample valve and verify that oil flow is present. After five minutes of engine operation, touch the bottom center of the PFT Bypass Oil Filtration unit and verify that it is warm to the touch. Shut engine off and check oil level. Place **puraDYN®** Installation Manual (PFT8 through PFT60) in the documentation holder mounted on the inner right hand side service door.