Installation Notes for United Rentals Multiquip DCA25 with Isuzu C240

KIT 01-30010 DOC 19-00039

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 **pura**DYN® 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 Multiquip DCA25 with Isuzu C240 engine, owned by United Rentals Corporation (see **PICTURE 1**).

PICTURE 1

The PFT8 Bypass Oil Filtration unit is mounted to the inside of the trailer housing top panel by way of an "L" mounting plate. Locate centerline of supplied "L" mounting plate on inner surface from the top panel approximately 22" from the back of the trailer housing (see **PICTURES 3 & 5**) and just inwards approximately 6 ½" from the back door over the generator (see **PICTURES 2 & 4**). Mark, center punch and drill two 13/32" diameter holes through top panel and attach "L" mounting plate with supplied 3/8-16 x 1" long hex bolts, flat washers and nuts as shown.

PICTURE 2

PICTURE 3

PICTURE 4

PICTURE 5

Attach PFT8 Bypass Oil Filtration unit to “L” mounting plate with supplied “W” and “C” clamps, spacers, 1/4-20 x 1” long hex bolts, flat washers and nuts as shown in **PICTURES 6 & 7**.

PICTURE 6

PICTURE 7

Remove oil pressure sending unit from engine block, install supplied brass “T” fitting and shut-off valve into engine block and install oil pressure sending unit into brass “T” fitting as shown in **PICTURES 8 & 9**.

PICTURE 8

PICTURE 9

Connect pressure supply line from the shut-off valve on the engine to the PFT8 Bypass Oil Filtration unit as shown in **PICTURES 10 & 11**. *Caution*! Hose routing should not come in contact with any moving parts, sharp edges or hot exhaust manifold.

PICTURE 10

PICTURE 11

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 12**.

PICTURE 12

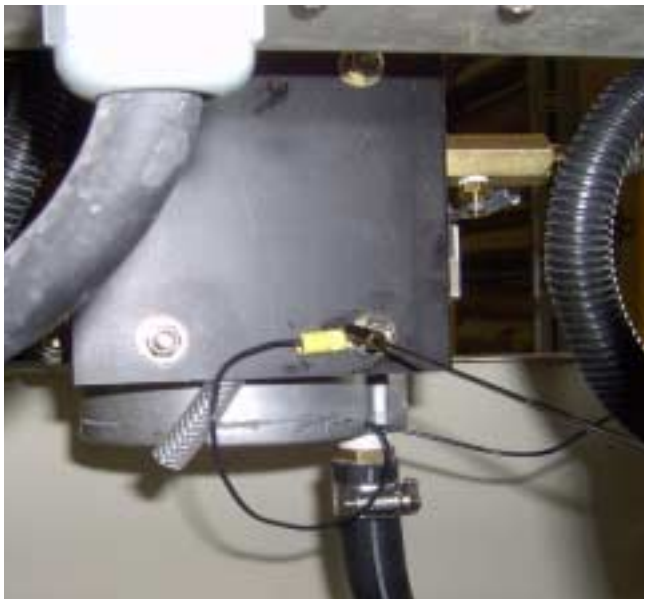
After draining the engine oil and cleaning all surfaces, install supplied banjo bolt, banjo fitting and banjo spacer into the oil pan drain port. **Note**: Properly adjust the banjo fitting in order to avoid damage from road debris. Route and connect the oil return hose from the PFT8 Bypass Oil Filtration unit to the banjo fitting and secure with radiator clamps as shown in **PICTURES 13 & 14**. 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 13

PICTURE 14

Route and connect one electrical wire to key ignition using supplied electrical hardware and in-line fuse holder as shown in **PICTURE 15**. Route and connect one wire (using supplied electrical hardware) to ground bolt as shown in **PICTURE 16**. *Caution*! Wire routing should not come in contact with any moving parts, sharp edges or hot exhaust manifold.

PICTURE 15



PICTURE 16

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 the **pura**DYN Installation Manual (PFT8 through PFT60) in equipments documentation holder.