

PHANTOM FILTER™ INSTALLATION INSTRUCTIONS

Read before beginning: This Product is not a direct bolt on and requires general fabrication skills. These instructions cover the installation of the Phantom oil filter kit into your oil tank. Refer to appropriate shop manual for removal of and replacement of your oil tank if applies.

SPECIFICATIONS:

- **Required flat area required to install mounting flange 2.5"x2.5" MINIMUM**
- **Required Depth 4.25" MINIMUM**
- **Flange mounting hole diameter 17/8"**
- **Service Interval: change element every 1500 miles**
 - **Replacement Element: Doherty Machine's Part# 1075-F (H.D. OE replacement # 63840-53 or equivalent)**
- **For A clean trouble free installation please read and follow instructions carefully.**
- Determine exactly where the filter assembly is to be installed on the oil tank.
- Using a drill piloted 1 7/8-inch metal cutting hole saw, drill out the center hole for the oil filter mounting flange.
- Using the mounting flange for the filter assembly as a "template" place and center the flange over the 1 7/8" hole and carefully mark the 4 flange mounting screw holes to be drilled. A size #19 drill bit will be required.
- Carefully and precisely center punch each of the four marks, being careful to stay as close to the center of the mark as possible..
- **STOP: Prior to drilling the outer flange holes place flange over hole in tank to double check the location of the four remaining center punched marks for accuracy. All four marks should be in the center of each hole in the flange. If center punch marks are not in the center of each hole, re-punch as needed.**
- Using a #19 drill bit, drill the four remaining center punched holes.
- Remove any sharp edges around holes with a file or sandpaper.
- Install mounting flange using the four allen bolts, nuts and rubber o'rings provided in kit, tighten down evenly till snug.
- Thoroughly wash out tank, making sure it is free of metal particles. (Hot soapy water, rinse well)

Installation Notes:

If the outer flange mounting holes are off slightly, use a small rat tail file, file to fit, being careful not to enlarge holes Larger than the small o'ring seals.

Flange Gasket: If for any reason your installation should require a flange gasket, one may be made using automotive gasket material, and the filter-mounting flange as a template, and installed in place of the o'rings.

Oil Line Hookup: Route oil pump return line to top of filter inlet, clamp and secure as necessary.

Note: Be sure to cap off old return line nipple on oil tank when installation is finished.

Limited Warranty 1 Year

The sole obligation of Doherty Machine shall limited to the products to be found defective in either workmanship or material after the inspection performed by Doherty Machine. This limited warranty applies only to the original purchaser and only covers the repair or replacement of product at Doherty Machines discretion. Doherty Machine shall not be responsible for any damage caused by defects or failure of these products. Doherty Machine shall not be responsible for any consequential damage arising from any cause whatsoever, nor for labor, transportation or any related incurred costs due to the replacement or repair of defective products.

(SEE REVERSE SIDE FOR EXPLODED VIEW OF INSTALLTION)

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