

## **SPIN ON OIL FILTER ADAPTER INSTALLATION**

### **Dun-Rite Tool Company**

#### **Contents:**

1 each adapter  
2 each gaskets  
2 each 3/8-24 socket head cap screws  
2 each 3/8-16 socket head cap screws

Drain oil from pan. Remove two plate to crankcase bolts holding old filter assembly to block. Check threads on bolts removed to determine which 3/8 socket head cap screws to use. (use the ones that match the thread pitch of bolts removed, fine or coarse.) Remove old gasket and clean surface. Important: clean threads in block and screw socket head cap screws into block to check hole depth in block, screws must go into block far enough to hold adapter.(screw head to block distance must be less than 1/8") if distance is more than 1/8" then grind screw to shorten it or clean hole and recheck depth. If this procedure is not followed the adapter will leak.

Now you are ready to install the adapter. Insert the correct socket head cap screws in the two counterbored holes. Place two gaskets on the back side of the adapter with the large holes of gaskets behind center threaded hole. Look at the outside diameter of the adapter and locate the letter "T." **The letter "T" must be toward the top of the engine.** Now screw the two cap screws into holes in block from which you removed the filter to plate bolts. Tighten bolts for a good seal. Note: looking down on adapter use a piece of paper to check clearance between left side of adapter and protrusion on block. The paper should slide between adapter and block so adapter is not tilted. If there isn't enough clearance, remove adapter and file back of adapter where it touches protrusion, To assure proper clearance. Reinstall and check clearance.

**Check installation by inserting a pencil in center and bottom oil holes in adapter. If pencil goes into block, the holes are in correct alignment.** If not, you have not installed adapter correctly and your engine will not get oil. Reinstall and check hole alignment. Replace drain plug in pan and follow manufactures instructions on spin on filter. Put in required amount of oil and start engine. Check for leaks! Check for leaks check for leaks!

Filter to use. Wix 1516 ,NAPA Gold or replacement. Not all replacements have the anti-drain back valve. ( To check for this valve look at the filter's small holes, you should see a black baffle behind these hole to prevent the oil from draining out of filter when engine is not running.

**Important: check starter cable terminal so it does not short out on side of filter.**