

DRAIN AND SERVICE UNIT (Models 500 and 750)

1. Open drain cock valve or remove drain plug.
2. Allow oil to drain.
3. Slowly open vent.
4. Remove clamp ring only after opening drain valve and properly venting the unit.
5. Remove unit cover.
6. Remove the pack hold down (T handle).
7. Grasp the filter element bail, lift up and remove the pack.
8. Wipe the inner housing with a clean cloth.
9. Check the bottom of the center stand pipe for stuck bushings from the old filter pack.

After the above steps have been completed, the by-pass unit is now ready for a filter element.

RE-ASSEMBLE UNIT

1. Insert the new filter element into the housing using the lift bail.
2. Replace pack hold down assembly (T handle) and tighten.
3. Place new cover gasket in groove and apply thin layer of engine oil.
4. Replace unit cover.

NOTE: The vent plug bushing inside the cover must fit down over the top of the T handle post.

5. Replace and tighten clamp ring.
6. Close drain valve.
7. Allow uppermost drain plug to remain slightly open for venting.
8. Add new oil to engine.
9. Start engine and closely monitor oil level with dipstick and continue adding oil as engine runs.
10. The 750 by-pass unit contains 3.5 gallons of engine oil (500 by-pass unit contains 2.5 gallons) in addition to the pan capacity.
11. Leave vent plug open until oil begins surging out. After oil has started surging out of the vent, tighten down the plug.
12. Once again, check the oil level by using the dipstick.

Please note start up procedures for the by-pass unit should only be performed after the oil has been changed in the engine. If start up procedures are implemented without oil in the lube pan, the engine may sustain damage.