INSTALLATION INSTRUCTIONS

OIL COOLER

Model: TXT 94 — Current

E-9-100
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WHY INSTALL AN OIL COOLER?

Overheated oil causes engine damage! The purpose of oil is to lubricate and cool the engine. When oil overheats it quickly loses its cooling and lubrication abilities. Overheating caused accelerated engine wear, which decreases engine and component life.
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ASSEMBLY

STEP 1:
Remove fan shroud.

STEP 2:
At top of shroud, notch a 1/2” wide opening.
ASSEMBLY

**STEP 3:**
Remove oil sending unit.

**STEP 4:**
Add Teflon tape to threads of 1/8” - 27 straight barb fitting.
ASSEMBLY

STEP 5:
Install 1/8” - 27 straight barb fitting (E) into oil sending port. Make sure threads in port are clean.
STEP 6: Remove valve cover.
STEP 7: You will center punch a hole in the valve cover on the fill side.
STEP 8:  
Using a starter drill bit, drill down 3/8” into valve cover where you centered punched. Then, repeat above with a 21/64” drill bit.

STEP 9:  
Clean out hole, make sure there is no shavings in newly drilled hole in valve cover.

STEP 10:  
Flip valve cover over, inside facing you and carefully remove gasket. Using same 21/64” drill bit, drill out oil port on fill side of cover.
ASSEMBLY

STEP 11: Take a 1/8” - 27NPT tap, and tap both newly drilled holes.

STEP 12: Add Teflon tape to threads of 1/8” - 27 fitting 90° (C), then install into valve cover newly drilled and tapped hole.
STEP 13: Flip valve cover over, inside facing you. Insert Allen plug (B) into newly drilled hole.

NOTE: THIS IS A VERY IMPORTANT STEP, THIS REDIRECTS OIL THROUGH THE OIL COOLER.

STEP 14: Once the Allen plug is in, carefully reinstall gasket.
ASSEMBLY

STEP 15: Reinstall valve cover.

STEP 16: Attach 5/16” Oil Line Hose (G) to 1/8” -27 straight barb fitting using a hose clamp supplied. Tighten hose clamp snugly, but do not over tighten as to break clamp.
STEP 17:
Reinstall fan shroud, making sure to run 5/16” oil house through notch in shroud.

Now connect 5/16” oil line hose (G) to the 1/8” -27 90° fitting. (C) On side of the valve cover.

STEP 18:
Add teflon tape to the threads of both large 3/16” 90° fitting (D). Remove protective caps on both sides of the oil cooler. Install each large 3/16” 90° fitting into each side of the oil cooler.
STEP 19:
When installing the oil cooler to the golf cart, we leave that up to you the customer. In the photo above we’ve mounted the oil cooler to the golf cart frame. Once the oil cooler has been mounted, you can now hook up the 5/16” oil line hoses (G). Either oil line hose can be hooked up to either end of the oil cooler. Tighten hose clamps snuggly.
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