

## OIL COOLER ASSEMBLY KIT (16107)

This kit is **ONLY** used on 2014 and newer LUTVs

As illustrated below, this kit consists of:

14376	Manifold, oil cooler-150cc, with filter	1
14538	Washer, oil line - 150cc	4
15635	Bolt, M8 X 1.25 X 80 FHCS	2
14293	Washer, M8 flat ZN	2
14088	Nut, M8 X 1.25 locking flange DAC	2

### TOOLS REQUIRED\*

- 13mm Socket
- 13mm Wrench
- 12 or 14mm Wrench (depends on banjo bolt type)
- 17mm Wrench



Oil line washer M8 washer M8 nut M8 bolt

### Procedure:

#### 1 DRAIN ENGINE OIL

Using a 17mm wrench, remove the Drain Plug located on the bottom of the right rear side of engine (refer to figure 5 and your owners manual). Elevating the front of the vehicle slightly will help drain all of the oil. The oil should be emptied into suitable container for recycling. Remove and clean the oil screen. With the oil completely drained, replace the screen and drain plug, and tighten securely.

### WARNING



Used oil **MUST** be disposed of at a proper collection center

#### 2 INSTALL COOLER TO SWING ARM

Using the 13mm wrench and socket, mount the oil cooler assembly to the mounting bracket located on the forward crossmember of the swing arm using the fasteners provided; (2) 15635, (2) 14293, and (2) 14088. The oil filter will be on the left / driver's side of the vehicle. Refer to figures 1 and 2.

#### 3 REMOVE BYPASS TUBE

Remove the two banjo bolts shown in Figure 3 that secure the oil bypass tube. This is located just in front of the engine oil drain plug, on the front face of the engine, passenger side of the vehicle. Use either a 12mm or 14mm wrench as needed based on your specific banjo bolt. Remove the banjo bolts from the bypass tube and save. Dispose of the 4 flat washers (2 per banjo bolt).

#### 4 INSTALL OIL COOLER LINES

**NOTE: Review figures 4, 5 and 6 before proceeding and refer to them throughout the oil cooler line installation.**

Locate the oil line that enters the oil cooler on the passenger side of the vehicle, which is also farthest from the oil filter. Pass the banjo bolt through one of the supplied oil line washers (14538), through the open end of the oil cooler line, and then through another new oil line washer. Attach this oil line to the port in the engine block that is farthest inboard, closest to the cylinder head, toward the driver's side of the vehicle. Locate the oil line that enters the oil cooler on the driver's side of the vehicle, which is also closest to the oil filter. Pass the banjo bolt through one of the supplied oil line washers (14538), through the open end of the oil cooler line, and then through another new oil line washer. Attach this oil line to the port in the engine block that is farthest outboard, farthest from the cylinder head, toward the passenger's side of the vehicle.

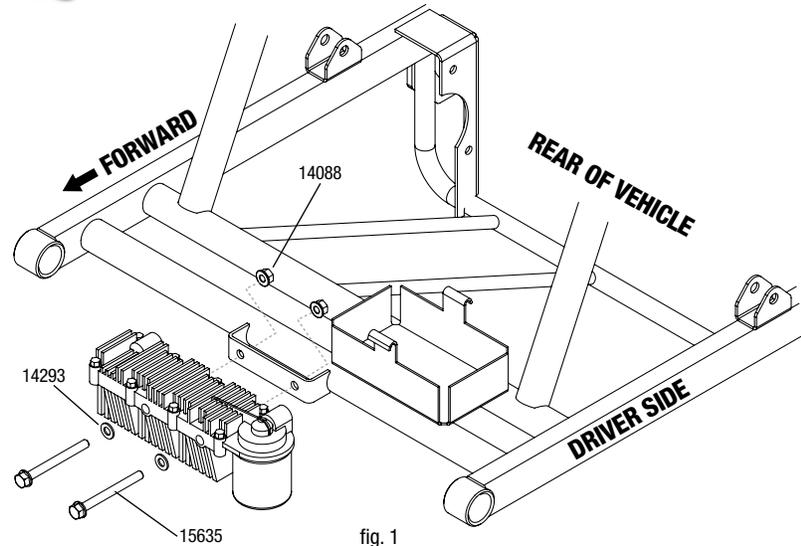


fig. 1

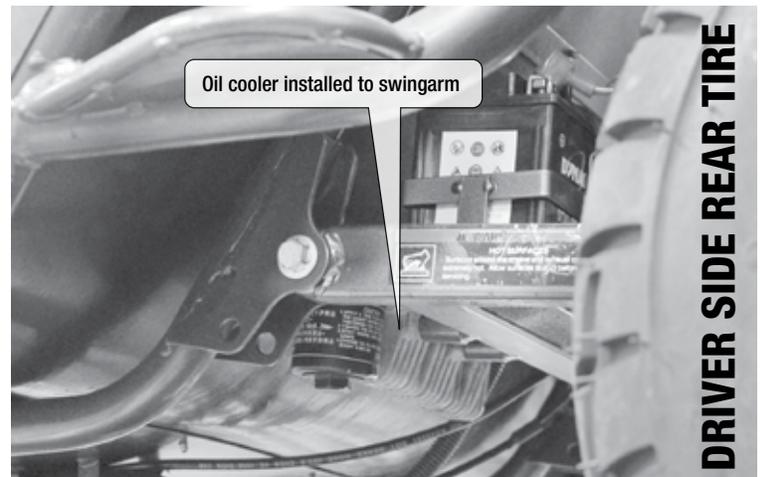


fig. 2 View from Driver Side

#### 5 RE-FILL OIL

Place the vehicle back onto a flat surface to level the engine, and re-fill the crankcase with 30oz of SAE 10W40 motor oil. Start the unit and check for leaks at the oil lines, oil filter, and oil cooler case. If a leak is detected, turn the engine off right away and repair before continuing. Turn the unit off and check the oil level using the dipstick attached to the oil plug cap. Add oil as necessary to keep the oil level in the crosshatched section of the dipstick. Be sure to check the oil level before each use of the vehicle (refer to your owners manual).

**NOTE: Oil level should be checked by dipping the oil level stick into the crankcase WITHOUT screwing the cap in.**

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fig. 3 Oil Bypass Tube

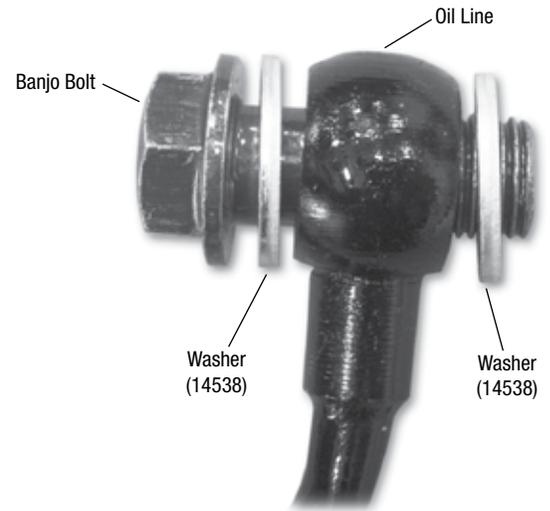


fig. 6 Washer Installation

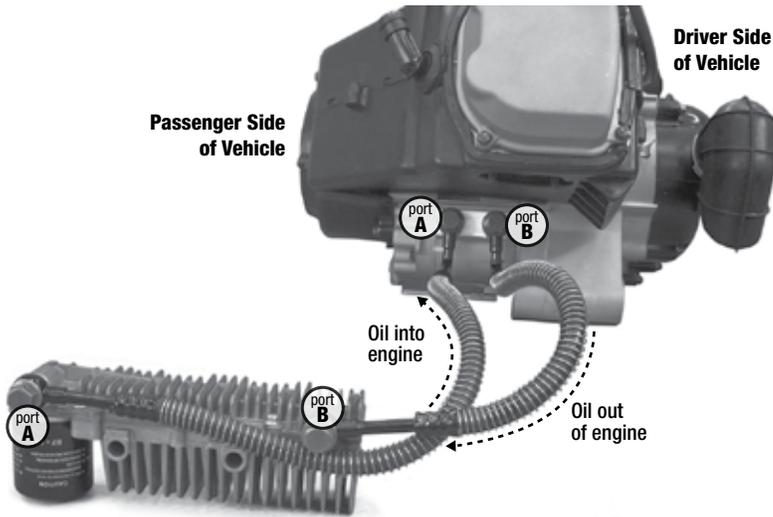


fig. 4 Proper Oil Flow Direction

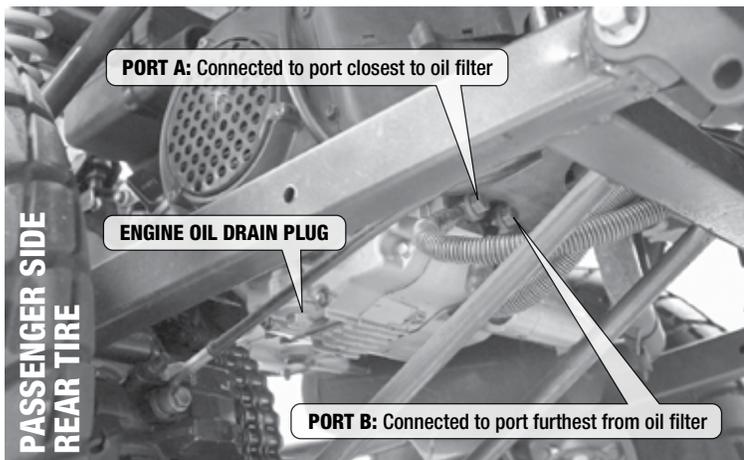


fig. 5 View from Passenger Side