

2018-Present Milwaukee 8 Softail Installation Guide



BudsBikerPartsInc.

**3302 Airport Rd.
Helena, MT 59601
406.457.2458**

**info@harleyoilcoolers.com
<https://www.harleyoilcoolers.com>**

Milwaukee 8 Softail



TOOLS REQUIRED:

**DRIP PAN OR SOMETHING TO
COLLECT**

SMALL AMOUNT OF OIL

**H.D. OIL FILTER WRENCH 3"
OR**

**FILTER STRAP WRENCH
DEEP WELL 7/8" SOCKET
EXTENSION FOR SOCKET**

ALLEN WRENCH SET

PHILLIPS SCREW DRIVER

9/16" OPEN END WRENCH

**TWO-11/16" OPEN END
WRENCHES**

**-RECOMMENDED-
PLIERS & SNIPS**

HEAT GUN

WOBBLE ALLEN WRENCH

Small Cooler

1. Remove the oil lines from the OEM cooler and engine.
2. Remove the OEM cooler, There's two bolts at the top that have to be removed. Then the OEM cooler is pulled out of the two grommets at the bottom.
3. Remove the two tort screws that hold on the the regulator.
4. There are 2 wire terminal plugs on a bracket that is apart of the regulator assembly.
5. Remove the plugs and remove bracket from the regulator.
6. Take bracket and cut off the piece that is sticking down to allow the cooler to fit up into position.(its only purpose, is to hold the bottom electrical plug)
7. Now you can reattach the top plug the the bracket again and use zip ties for the other one. Make sure it can't caffe again the cooler or bike.
8. Reinstall the regulator.
9. The hoses can now be put on the small OilBud cooler with the heat shrink left loose on the hoses.
10. Attach the supplied hoses to the block port and to the head port. (you might have to trim hose)
11. There are two supplied bolts that attach the cooler to the engine bracket that has the two grommets in it.
12. Take a heat gun and shrink the heat shrink tubing. (a lot neater than hose clamps)...

Large Cooler

1. Attach long hose (brass end)to the 90 degree fitting at the rear portion of the cooler and tighten fitting.
2. Thread the hose between the frame and the engine.
3. Put the 2 tangs go over the frame and raise the cooler up on the right side and install the u bracket. The screw on the Harley frame goes in the slot of the bracket. Do not tighten yet.

Adapter

1. Remove oil filter and the oil filter tube nut with a 7/8" socket.
2. Take the thick inner adapter plate, make sure the o-ring is in place and torque supplied tube nut to 40ft.lbs. Between 11 and 12 o'clock position.
3. Make sure small O-ring and large are also in place. Now screw the second adapter plate to the installed one. There are 4 allen screws short on the front and 2 longer on the back side.
4. Do not over tighten.
5. Run the rear hose up to the adapter plate and screw on to the 90 degree fitting on adapter plate. Do not tighten yet.
6. Install front hose on the 45 degree fitting on the adapter and 90 degree on the cooler.
7. Make sure the hoes are not going to rub and are out of the way. Use zip ties to secure hoses.
8. Once you are satisfied that every thing looks good tighten fittings and hoses to fittings. All so tighten the U-bracket under the bike.
9. Install Oil filter.
10. Add a couple a cups of oil.
11. Start bike and check for leaks

Note: if adapter needs clocked in a different position you can take hammer handle or screw driver handle and put in-between the adapter and cylinder/ frame. Put pressure on it and it will slowly move. However if you don't do it right away after the installation It won't move and will be locked in place.