INSTRUCTIONS

-J05684 **2016-08-22**

DYNA OIL COOLER

GENERAL

Kit Number

62700017A

Models

For model fitment information, see the P&A Retail Catalog or the Parts and Accessories section of www.harley-davidson.com (English only).

⚠ WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

NOTE

This instruction sheet references service manual information. A service manual for this year/model motorcycle is required for this installation. One is available from a Harley-Davidson dealer.

Additional Parts Required

High Performance Sealant, Gray (part number 99650-02).

Kit Contents

See Figure 5 and Table 1

INSTALLATION

Install Oil Cooler Cover

NOTE

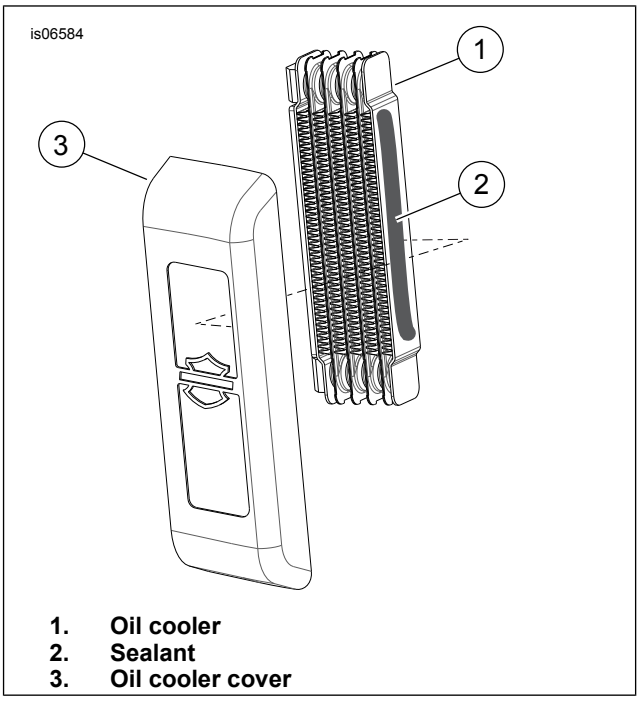
Clutch cable clamp may need to be rotated toward front of motorcycle to make room for oil cooler core.

NOTE

- *Avoid getting sealant on the oil cooler cooling fins.*
- *Do not install on the motorcycle for 24 hours to allow the sealant to fully cure.*

1. Thoroughly clean the oil cooler of all dirt, grease and wax with isopropyl alcohol. Use the alcohol to clean the oil cooler cover as needed. Allow to dry.

2. See Figure 1. Apply a thick bead of High Performance Sealant-Gray to the left side flat surface of the oil cooler and install the oil cooler cover by pressing it into the sealant.



1. **Oil cooler**
2. **Sealant**
3. **Oil cooler cover**

Figure 1. Attaching Cover to Oil Cooler

Install Oil Cooler

1. See Figure 2. Install the oil cooler (1) to the left side downtube with two clamps (2), two socket head screws (3), four washers (4) and two nuts (5). Align the clamps flat side outward and position upper bracket no more than 31.8 mm (1½ in) from bottom of engine mount bracket (7). Tighten screws to 10.2–13.5 N·m (90–119 **in-lbs**).

2. Remove the oil filter and the oil filter adapter. Clean the oil filter area thoroughly. Discard filter and oil filter adapter.

3. See Figure 3. Match positioning bosses (1) on the oil cooler adapter to the oil filter adapter.

4. See Figure 4. Install oil cooler adapter (1) and oil filter adapter (2). Tighten oil filter adapter to 16.3–21.7 N·m (12–16 ft-lbs).

5. See Figure 5. Install upper hose (3) to barb of oil cooler and tighten with hose clamp (7) to 0.9 N·m (8 **in-lbs**).

6. Install lower hose (2) to lower barb of oil cooler and tighten with hose clamp (7) to 0.9 N·m (8 **in-lbs**)

7. Install hoses from oil cooler to oil cooler adapter and tighten hose clamps to 0.9 N·m (8 **in-lbs**).

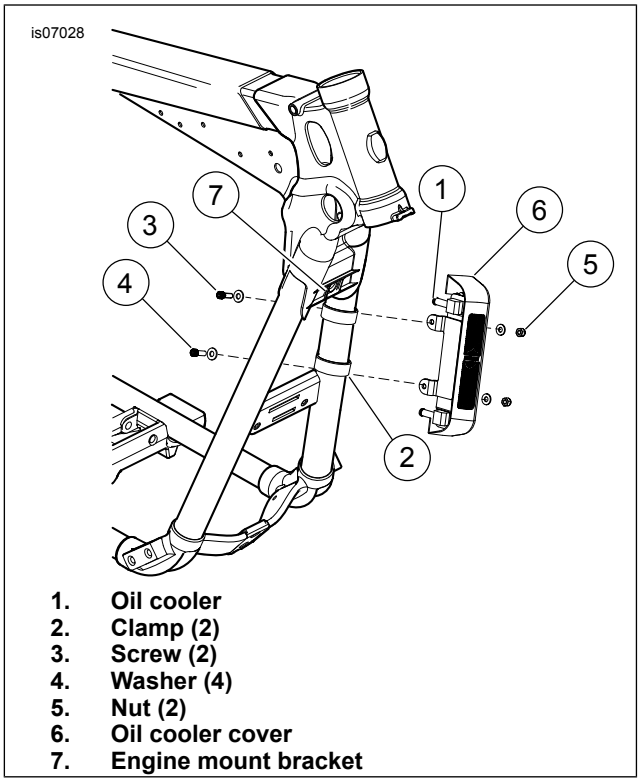
8. Verify that shift lever does not make contact with either cooler core or hoses:

   a. Engage clutch.

   b. Move shifter forward.

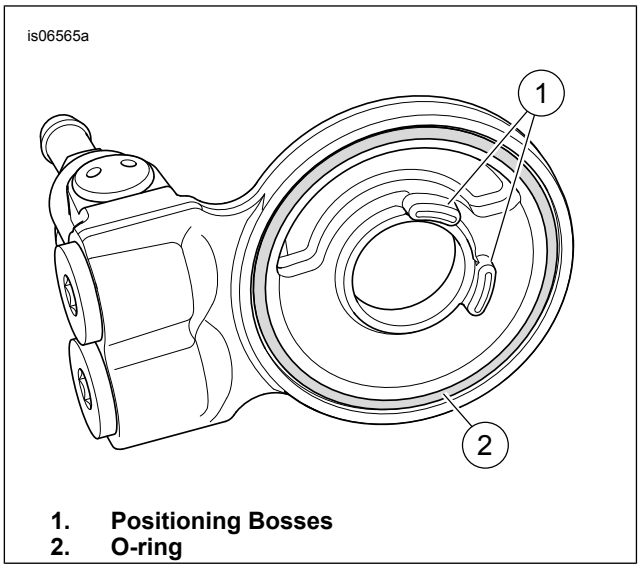
   c. If contact is made, reposition hoses and/or cooler core until there is no contact.

9. Check to make sure the hose routing is clear of the oil filter, any sharp edges and given proper clearance to engine. The hoses must be free of bends or kinks that could obstruct oil flow.



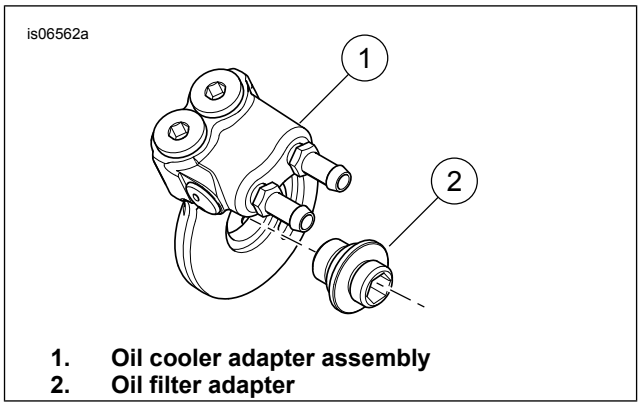
1. **Oil cooler**
2. **Clamp (2)**
3. **Screw (2)**
4. **Washer (4)**
5. **Nut (2)**
6. **Oil cooler cover**
7. **Engine mount bracket**

Figure 2. Mounting the Oil Cooler Assembly



1. **Positioning Bosses**
2. **O-ring**

Figure 3. Oil Cooler Adapter



1. **Oil cooler adapter assembly**
2. **Oil filter adapter**

Figure 4. Install Oil Cooler Adapter Assembly

System Flow Test

NOTICE

Oil level cannot be accurately measured on a cold engine. For pre-ride inspection, with motorcycle leaning on jiffy stand on level ground, oil should register on dipstick between arrows when engine is cold. Do not add oil to bring the level to the FULL mark on a COLD engine. (00185a)

NOTICE

Do not operate the engine when the oil level is below the add mark on the dipstick at operating temperature. Engine damage will result. (00187b)

NOTE

Add only enough oil to bring the level between the two arrows.

1. Apply motor oil to the ring of a new oil filter and install.

NOTE

Position the clamps to avoid interference with oil filter installation. Check that hose routing is clear of the oil filter and sharp edges. The hoses must be free of bends or kinks that could obstruct oil flow.

2. Start engine. Examine all hose connections for leaks. If there is no leakage, allow engine to warm up.

3. Verify that temperature of oil cooler increases when engine reaches normal operating temperatures. If the oil cooler remains cool after engine has warmed up, there may be an oil obstruction. Turn off engine, allow engine to cool and check system for source of obstruction.

4. Verify that all hose clamps are tightened to 0.9 N·m (8 **in-lbs**).

5. Fill oil to FILL level on dipstick.

SERVICE PARTS

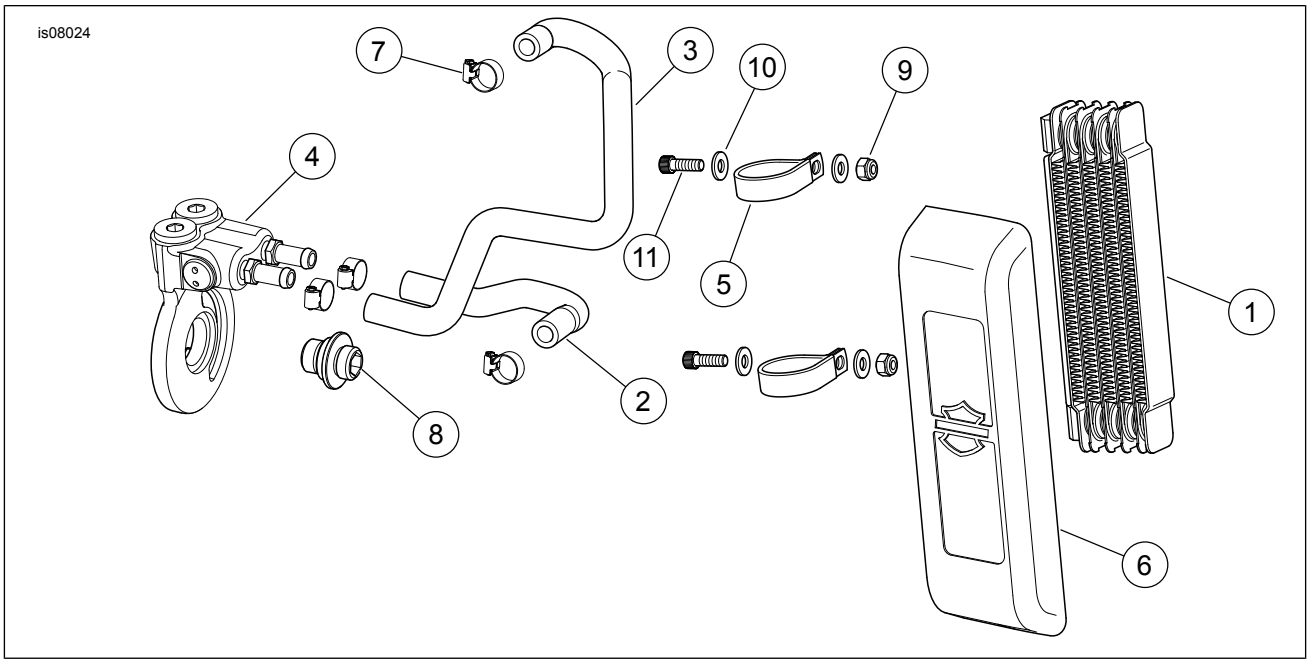


Figure 5. Service Parts: Dyna Oil Cooler

Table 1. Service Parts Table

Item	Description (Quantity)	Part Number
1	Oil cooler assembly	26158-11
2	Oil cooler left hose	62700018
3	Oil cooler right hose	62700019
4	Oil cooler adapter	63059-09A
5	Clamp (2)	69336-03
6	Oil cooler cover	63104-11
7	Worm drive clamp, black, #4 (4)	9823
8	Oil filter adapter	26041-05A
9	Lock nut, nylon insert (2)	94026-92T
10	Flat washer, chrome (4)	94065-90T
11	Socket head cap screw (2)	94312-91T