

INSTALLATION INSTRUCTIONS

Part # 4600

IMPORTANT INFORMATION

This Jagg oil filter adapter must be installed following these instructions. Read the easy-to-follow instructions fully prior to starting the installation of the oil filter adapter. Correct installation is the only way to ensure proper operation of the oil filter adapter.

QTY.	KIT CONTENTS
1	Jagg 4600 offset oil filter adapter assembly
2	7/8" black worm-drive hose clamps

TOOLS NEEDED		
Strap wrench or oil filter removal tool		
5/32" Allen wrench		
1" deep-well socket		
7/16" Allen wrench (if removing a stock H-D adapter)		
7/8" socket (if removing a stock H-D adapter)		



BASIC SYSTEM INSTALLATION GUIDELINES

- Route oil hose to avoid any hot surfaces or moving parts. Ensure all bends are smooth, with no sharp turns that may restrict oil supply to the engine.
- Oil filter adapter is designed to mount as detailed in these instructions. Any modifications may lead to decreased performance or item failure.
- When cutting oil hoses, always use a sharp knife, single-edge razor blade, or hose cutter. Make a straight, clean cut at 90° to the oil hose. This will ensure a proper fit where the oil hose attaches to its connection.
- Over tightening hose clamps may cause oil leaks.

CAUTION: ALLOW MOTORCYCLE TO COOL BEFORE ATTEMPTING INSTALLATION OR RISK SERIOUS INJURY.

The Jagg offset oil filter adapter

The Jagg offset oil filter adapter is used to access the oil supply for the installation of a Jagg oil cooler.

Oil flow direction from adapter: oil feeds the oil cooler from the fitting on the left side and returns to the fitting on the right side, as viewed from front with oil filter adapter fittings at bottom.

Installing the Jagg offset oil filter adapter

- 1. Remove spin-on oil filter, and clean the filter mounting surface thoroughly.
- 2. If removing and upgrading a factory Harley-Davidson oil cooling system, uninstall the

stock oil filter adapter by removing the flanged oil filter nipple that holds the adapter in place using a 7/16" Allen wrench. Locate the stock-

to-Jagg oil filter nipple (sold separately). Install by inserting the orange-painted end into the port where the stock oil filter stem was removed. Using a 7/8" socket, tighten until the hex is flush against the oil filter housing.



Stock-to-Jagg oil filter nipple

 Disassemble the Jagg offset oil filter adapter by removing the five Allen head bolts from the front face of the adapter using a 5/32" Allen wrench. Then remove the front half of

- the adapter (the portion with hose fittings attached).
- 4. With the longer/offset end of the adapter at the top, place the back half of the adapter (the portion with the flat rubber o-ring) over the threaded oil filter stem and tighten the included 1" lock-nut to finger-tight. The adapter's flat sealing rubber o-ring should face inward, toward the stock oil filter housing, and be free of debris. (Do not apply oil to this o-ring.)

APPLICATION NOTE: Sportster models

 Some Sportster models may require rotating the mounting of the 4600 offset oil filter adapter 180 degrees, placing the hoses above the filter (see photo at right). In these installations, the anti-rotation device is not required.



This mounting orientation may be required on some Sportster models

5. If an anti-rotation device is being used, locate part 4600AR-C Jagg anti-rotation device (sold separately) now. Installation of this device will ensure the Jagg 4700 offset oil filter adapter will not rotate during future oil filter removal.



4600AR-C Jagg anti-rotation device

- Place the anti-rotation device against the face of the front half of the adapter in the orientation shown below that matches your motorcycle model.
- 7. Insert the two black 10-24 Allen head bolts included with the anti-rotation device through the appropriate holes on the oil filter adapter as shown below.
- 8. Place the front half of the adapter over the al-







EVO fitment

T-C Touring & Dyna fitment

T-C Softail fitment

ready-installed back half and rotate the entire adapter to the left until the anti-rotation device makes contact with the engine case.

9. Remove the front half of the adapter and hold the back half of the adapter in its current orientation. Using a 1" deep-well socket securely tighten the 1" lock-nut so the back half of the adapter will not rotate and the sealing o-ring is tight against the stock filter mount. This may require a prying force applied against the adapter to allow tightening while retaining the chosen orientation.

NOTE: On rubber-mounted engine models, allow adequate clearance to ensure that the adapter will not strike any object when the motor shakes.

10. Install AFM gasket (included in kit) onto the back half of the adapter.

CAUTION: AFM gasket should be applied dry. No additional gasket sealing compound is required. Ensure that the adapter halves are free of oil residue.



AFM gasket

- 11. Place the front half of the adapter against the gasket and install Allen bolts loosely. If a thread lock compound is optioned, please choose a medium strength and use it on the Allen bolts at this step.
- 12. Evenly draw the two halves of the adapter



- together by gradually tightening the Allen bolts in an alternating criss-cross pattern (e.g., like tightening wheel lug nuts on a car).
- 13. When the adapter halves have been evenly drawn together, firmly tighten the Allen bolts in the same alternating criss-cross pattern as the previous step.

SERVICE NOTE: Inspect adapter and screws for tightness at each oil filter change.

This completes the installation of the Jagg offset oil filter adapter. The following instructions are for installing oil lines between a Jagg oil filter adapter and a Jagg oil cooler (sold separately).

Route oil lines to oil cooler

14. Cut oil hose into two lengths and install the oil hoses onto the hose fittings on the oil cooler. Secure hose over the fittings with 7/8" black hose clamps so the hose cannot pull over the barb on the fitting. The flow orientation of the oil cooler is non-directional, so either hose fitting will allow proper flow as an inlet or an outlet.

TIP: Install 7/8" black hose clamps loosely onto hoses before installing hoses onto oil cooler nipples. A touch of oil on oil cooler nipples allows the hoses to push on easily.

15. Measure, cut, route, and attach the oil hoses to the oil filter adapter. Secure the hose over the fittings using the 7/8" black hose clamps onto the oil filter adapter inlet and outlet as detailed in the previous step.

NOTE: It may be necessary to rotate hose clamps to ensure hose clamps do not interfere with oil filter installation.

CAUTION: Take care to make gentle bends in oil hose routing from oil cooler to adapter. Sharp bends may collapse under heat load and cause restriction to oil flow.

16. Install oil filter onto the threaded stem of the oil filter adapter. Tighten per factory/service manual recommendations.

Final inspection

- 17. Inspect the oil hoses to ensure there are no tight bends that may restrict oil flow and that they are not contacting any moving parts. If necessary secure the new hoses to the frame with plastic zip-ties.
- 18. Refill the engine with the correct amount and type of oil. Check the oil level per factory/service manual recommendations.
- 19. Start the engine and let it idle. Check all oil hose connections for any leakage. Tighten any hose clamps that may be leaking.

NOTE: Over-tightened hose clamps may cut into oil lines and cause oil leaks.

20. After installation completion and engine warmup, shut the engine down and recheck the oil level. Correct the oil level if necessary, but do not over-fill.

SERVICE & UPGRADE ITEMS AVAILABLE			
PART NO.	DESCRIPTION		
11-26352-95A	Stock-to-Jagg oil filter nipple to re- place oil filter stem when upgrading to a Jagg oil cooling system from a factory H-D oil cooler		
4600AR-C	Jagg anti-rotation device for Jagg offset oil filter adapter		
GK4600	Gasket service kit for Jagg offset oil filter adapter. Includes: AFM gasket and large o-ring for Jagg 4700 offset oil filter adapter		
21-SSN06-B	Stainless steel braided oil hose. High performance 3/8"(-06) Nitrile rubber oil hose with stainless steel braided jacket		
08-0069	Oil filter strap wrench. Simply one of the easiest oil filter wrenches to use. Engineered to access oil filter for removal around almost any obstacle. Use with 3/8-inch drive ratchet extension. Takes virtually no space in the toolbox or the saddlebag.		
22-HF06-SI (silver) 22-HF06-BK (black)	Jagg hose finishers with integrated worm-drive hose clamps dress up the terminal ends of your oil hose to resemble high-performance racecar compression fittings without the installation hassle. 7/8" integrated hose clamps, suitable for 3/8" (-06) plain or braided oil hose.		
	Available in black or silver anodized finish.		
22-HS06-SI (silver)	Jagg hose separators keep your oil lines separated, provide extra structure, and look trick! Pair with hose finishers for a complete, finished look.		
22-HS06-BK (black)	Machined from billet aluminum and anodized either bright silver or black, these items install in a snap.		

See these items and more, including high-performance K&P reusable oil filters, Spectro™ fluids, and other quality products at: www.jagg.com

