



INSTALLATION INSTRUCTIONS

Part # 761-FP2600

IMPORTANT INFORMATION

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

QTY.	KIT CONTENTS
1	Jagg FP2600 Fan-assisted oil cooler assy.
1	Jagg 4800 Yamaha oil filter adapter
4	Screws: M6x50 cap head, black
2	Sealing o-rings for 4800 oil filter adapter (find in 4800's captured o-ring channels)
3 ft	Jagg 30R7spec black oil hose
4	7/8" black worm-drive hose clamps
1 pair	Jagg frame clamps, 1-1/4"
1	Jagg automatic fan switch, 190°F
1	Wiring harness for WeatherTek fan, 45"



TOOLS NEEDED	
Phillips head screwdriver	M5 Allen wrench
Needle-nose pliers	1/4" Allen wrench
Hose cutter or sharp knife	Teflon pipe sealant (e.g., Loctite 592)
	Dielectric grease

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 cooler 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.

Part 1: Oil cooler mounting

1. Determine oil cooler placement on left frame tube by holding the oil cooler to the approximate height desired.
2. Locate Jagg frame clamps included in the kit.
3. Spread clamps open, and place the clamps around left frame tube.
4. Position the oil cooler vertically on the left frame tube with the oil inlet and outlet pointing downward.
5. Align the bolt holes in the oil cooler with the holes in the mounting clamps and install the nuts and bolts.
6. Carefully slide the oil cooler and clamps up or down to desired height. Keep clamps free from any braces or indents that may interfere with a clean fitment. Ensure that the oil cooler is mounted at a 90° orientation (straight out) from the motorcycle to allow clean airflow.
7. Tighten bolts in frame clamps using a 1/4" Allen wrench. Oil cooler should be firmly mounted now.

Part 2: Oil cooler plumbing: oil filter adapter

The Jagg 4800 oil filter adapter fits between the engine block and the oil filter housing on Yamaha applications to provide access to the oil supply for the installation of a Jagg oil cooler. The oil filter adapter is designed to flow oil through the oil filter before flowing through the oil cooler, resulting in minimal pressure drop.

8. Using an M5 Allen wrench, remove the four mounting screws and the oil filter housing. (Photo 1).



NOTE: The oil filter may be left in place during the installation (Photo 2) if desired. If removed, however, the oil must be drained from the oil filter and all mounting surfaces must be cleaned of oil and dirt.



9. Install the two o-rings included in the kit onto the Jagg 4800 oil filter adapter (Photo 3).



10. Match the Jagg 4800 oil filter adapter to the stock oil filter mount on the motor with the o-rings on the oil filter adapter toward the motor and the o-rings on the oil filter housing toward the oil filter adapter (Photo 4).
11. Using the four M6x50 cap head screws provided in the kit, mount the oil filter housing and 4800 assembly to the motor (Photo 5).

CAUTION: Be careful not to over-tighten the screws. It is recommended to apply a medium-strength thread lock compound to the M6x50 cap head screws prior to their installation at this step.



Photo 4.



Photo 5.



Photo 6.

12. The 4800 Jagg oil filter adapter is now installed (Photo 6).

Part 3: Installing the automatic fan switch

The Jagg WeatherTek fan operates via the included automatic fan switch. The automatic fan switch integrates a threaded male 1/8" NPT pipe fitting to make plumbing into a hot oil supply a simple process.



Automatic fan switch

NOTE: A Teflon pipe sealant (e.g., Loctite 592) should be used on the NPT 1/8" male pipe threads on the automatic fan switch when sealing in any location.

NOTE: 1/8" pipe threads should be installed to finger-tight, and then tightened an additional 2-to-2.5 turns.

13. Apply Teflon pipe sealant to the 1/8" male pipe thread on the automatic fan switch.
14. Install the NPT 1/8" male pipe thread end of the automatic fan switch in a location nearest a hot oil supply.

Part 4: Fan wiring

15. Install the included convoluted wire cover over the fan wiring harness by inserting wiring into the split. If the wire cover is too long, then it may be trimmed with scissors.
16. Install the fan wiring harness by connecting the female disconnect onto either prong of the automatic fan switch.
17. Locate the rear brake light switch on the motorcycle. Remove the connector from the "hot" side of the brake light switch.
18. Install the "piggyback" dual-connector end of the fan wiring harness onto the "hot" side of the brake light switch.
19. Reinstall the brake light switch connector onto the exposed prong of the "piggyback" dual-connector of the fan wiring harness.

TIP: A liberal coating of dielectric grease spread on the terminals before making electrical connections will help to prevent terminal connection corrosion.

20. Install the fan power lead onto the remaining open prong of the automatic fan switch.
21. Attach the black fan ground lead to an appropriate chassis ground point.
22. Ensure that all installed wiring is clear of the exhaust pipe and use the zip-ties included in the kit to secure the connected fan wiring harness to the motorcycle's frame.

Part 5: Installing the oil hose

23. Cut the provided oil hose into two lengths and install the oil hoses onto the hose fittings on the oil cooler. Secure hose over the fittings with the 7/8" black hose clamps included in the kit 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.

24. Measure, cut, route, and attach the oil hoses to the oil filter adapter. Secure 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.

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

Part 6: Final inspection

26. 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.

27. Refill the engine with the correct amount and type of oil. Check the oil level per factory/service manual recommendations.
28. 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.

29. After installation completion and engine warm-up, 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
TS180	The TS180 automatic fan switch actuates at a lower temperature to turn on a fan sooner.
TS190	The TS190 automatic fan switch is a direct replacement for the fan switch included in the kit.
FA8025-2	Jagg WeatherTek mag-drive fan is a direct replacement for the fan included in the kit.
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 up virtually no space in the toolbox or the saddlebag.
22-HF06-SI (silver)	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.
22-HF06-BK (black)	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