



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR PART No.5460

NO. 5460 IS A KIT TO REPLACE THE FAN MOTOR AND FAN BLADE ON JIMS FORCEFLOW CYLINDER HEAD COOLER.

Tools and supplies needed for this job:

- 1/2" and 7/16" socket and socket wrench
- 5/32" Allen wrench
- Torque wrench
- Blue Loctite
- 2.5 mm Allen wrench

Caution: *Be sure to keep hands and fingers clear of the fan blade. Keep all wiring routed away from the fan blade as well as the cylinder fins. Be sure to read 5400-is instruction sheet in addition to this before beginning the job.*

Remove the Forceflow cooler from the motorcycle:

1. Remove the acorn nut and JIMS logo disk from the top of the Forceflow mount.
2. Remove the acorn nut and washer from the bottom of the Forceflow mount and pull the cooler housing assembly from the motorcycle. It is best to have a helper hold this assembly.
3. Disconnect the white 4 position connector from the Forceflow assembly by depressing the 2 lock tangs and pulling apart. Remove the 2 horn connector wires from the bikes original horn connectors. **See Fig. 1.**
4. Remove the 3 screws that attach the cover to the backing plate with a 5/32" Allen wrench. Pay special attention to the rear screw as it has a bumper and spacer that must be replaced in their proper location upon re-assembly. Remove the outer cover and set aside. Take notice of how the wiring is routed so you can duplicate this on new assembly.
5. Disconnect the 2 wires from the motor and horn. Remove and replace horn, grommet, and bumper on new backing plate assembly. When Forceflow assembly is free, set it down on a padded surface with the fan blade facing up.
6. Install the replacement backing plate assembly. Install the spade connectors onto the motor being certain the black wire connects to the terminal with the red dot, and bend the connectors 90° to the outside for cover clearance. **See Fig.2.**
7. Re-install the cover using blue Loctite on the screws. Make sure wiring is routed snug through the grommet and clear of the fan blade. Be sure and replace the spacer and bumper on the rear screw.
8. Re-install the connectors to the horn harness and the main Forceflow wiring harness.
9. Mount the Forceflow unit to the 2 isolator mounts and replace hardware using blue Loctite. Grab the housing and wiggle it to make sure the fan does not contact the cylinder fins.
10. Test the fan by riding the motorcycle for about five miles. Get the engine hot enough so that the thermostat reaches 140 degrees. Sometimes it is best to shut the engine off after riding while leaving the ignition on. As the heat of the motor radiates up toward the thermostat, the fan should turn on. **Do Not Use A Heat Gun To Heat Thermostat For Testing!**

PARTS AVAILABLE SEPARATELY

QTY.	DESCRIPTION	PART NO.
1	BACKPLATE SUB ASSY / BLACK	5467-1
1	BACKPLATE SUB ASSY / POLISHED	5467-2
1	BACKPLATE SUB ASSY / SILVER	5467-3
1	BACKPLATE SUB ASSY / CHROME	5467-5
1	INSTRUCTION SHEET	5460-IS
1	INSTRUCTION SHEET	5400-IS



FIG. 1

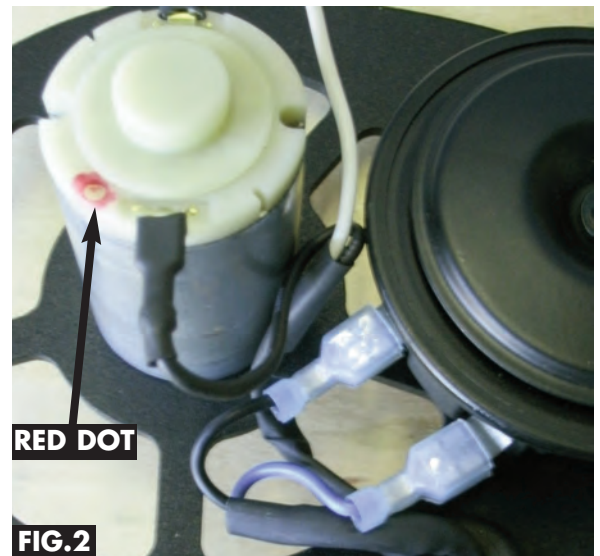


FIG. 2

Performance Parts For Harley-Davidson Motorcycles