

PRO CIRCUIT

11/05



RACE PROVEN

PRO CIRCUIT WATER PUMP COVER KIT ASSEMBLY INSTRUCTIONS



MADE IN USA

Water Pump Cover Kit Part Number: WPH04250

Applications: '04-'06 Honda CRF250R, '04-'06 Honda CRF250X

We at Pro Circuit Products, Inc. appreciate your purchase of the Pro Circuit water pump cover kit. Pro Circuit Products, Inc. has made every effort to supply the highest quality product that is unmatched by any other manufacturer today. In the event that you have any type of problems or questions, please call us at 951.738.8050.

Your Pro Circuit water pump cover kit was designed to improved the performance of the engine's cooling system by allowing the coolant to flow better. With a better flow of the coolant, the engine will run at a more consistent temperature.

PLEASE READ ALL INSTRUCTIONS THOROUGHLY BEFORE INSTALLATION.

Failure to follow all installation instructions completely will void any Pro Circuit Products, Inc. warranty implied or otherwise. Pro Circuit Products, Inc. will not be held responsible for problems derived from improper installation and/or improper usage.

Before you begin installing this product, be sure you are wearing eye protection and gloves. You should have a complete understanding of how to remove and replace your existing water pump cover. If you do not, you should have it installed by a professional mechanic.

Keep all OEM parts when removing your existing water pump cover, as some parts may be utilized with the Pro Circuit water pump cover kit, depending on your particular application.

A FEW WORDS ABOUT YOU AND THE ENVIRONMENT

Owning and riding your motorcycle can be enjoyable, but you must do your part to protect nature. Be an environmentally-responsible motorcycle owner.

Choose Sensible Cleaners. Use a biodegradable detergent when you wash your vehicle. Avoid aerosol spray cleaners that contain chlorofluorocarbons (CFCs) which damage the atmosphere's protective ozone layer.

Don't throw cleaning solvents away; see the following guidelines for proper disposal.

Recycle Wastes. It's illegal and thoughtless to put used engine oil in the trash, down a drain, or on the ground. Used oil, gasoline, coolant, and cleaning solvents contain poisons that can hurt refuse workers and contaminate our drinking water, lakes, rivers, and oceans.

Before changing your oil, make sure you have the proper containers. Put oil and other toxic wastes in separate sealed containers and take them to a recycling center. Call your local or state office of public works or environmental services to find a recycling center in your area, and to get instructions on how to dispose of non-recyclable wastes.

TOOLS & SUPPLIES REQUIRED:

- 10mm socket or T-handle wrench
- 8mm socket or T-handle wrench
- Torque wrench
- Seal/O-ring grease
Pro Circuit PC-03 Seal/O-ring grease
- Coolant drain container (2qt)

PARTS INCLUDED:

PRO CIRCUIT WATER PUMP COVER KIT



- 1 - Water Pump Cover
- 1 - Impeller

PRO CIRCUIT



RACE PROVEN

PRO CIRCUIT WATER PUMP COVER KIT ASSEMBLY INSTRUCTIONS



MADE IN USA

PRE-INSTALLATION: DRAINING THE FLUIDS

WARNING: BEFORE YOU BEGIN TO REPLACE YOUR STOCK WATER PUMP COVER, MAKE SURE THE MOTOR IS COLD.

- 1 Drain the coolant into a coolant drain container.

REMOVAL: STOCK WATER PUMP COVER

- 1 Loosen the hose clamp and disconnect the water hose.
- 2 Remove the stock coolant drain plug and stock sealing washer.
- 3 Remove the three stock bolts and stock water pump cover.
- 4 Remove the stock O-ring and stock dowel pin.
CAUTION: Be careful not to damage the stock O-ring, as you will be reusing it.
- 5 Remove the stock impeller and the stock plain washer.
NOTE: The impeller has left hand threads.

INSTALLATION: PRO CIRCUIT WATER PUMP COVER KIT

- 1 Install the stock plain washer and then the Pro Circuit impeller onto the water pump shaft.
NOTE: The impeller has left hand threads.
- 2 Tighten the Pro Circuit impeller. **TORQUE:** 12 N•m (1.2 kg-m, 9 lb-ft)
- 3 Install the stock water pump cover O-ring into the Pro Circuit water pump cover.
NOTE: Apply seal/O-ring grease to the stock water pump cover O-ring.
- 4 Install the dowel pin into the motor.
- 5 Install the Pro Circuit water pump cover to the motor, using the three stock bolts.
NOTE: Install the longest of the three stock bolts into the upper right hole.
- 6 Tighten all three stock bolts. **TORQUE:** 9.8 N•m (1.0 kg-m, 7.25 lb-ft)
- 7 Slide the stock sealing washer onto the stock coolant drain plug and install it into the Pro Circuit water pump cover.
- 8 Tighten the coolant drain plug. **TORQUE:** 7.0 N•m (0.7 kg-m, 5 lb-ft)
- 9 Connect the water hose to the Pro Circuit water pump cover and tighten the hose clamp securely.
- 10 Fill the cooling system (see owner's manual on instructions).
- 11 Bleed the air from the cooling system.
- 12 Check the engine oil level and add the engine oil (see owner's manual on instructions).

POST-INSTALLATION: INSPECTION

- 1 Congratulations. You have now completed the assembly of your Pro Circuit water pump cover kit.
- 2 Periodically check all the bolts to ensure that they are properly fastened.