





WPG319 Water Pump Gasket Kit

Fits Meziere Number WP319

In The Box

- 3 WP-112 O-rings
- 1 WPLS124 Pair (2) AC Delco water pump gaskets
- 1 WPO- LS body O-ring
- 2 WP-908 O-rings
- 1 WP-225 O-ring
- 1 Half-moon O-ring
- 1 WP-154 O-ring

To Do the Job You'll need:

- Tie wraps
- Scraper or wire brush
- Band clamp removal tool (for removing the upper fitting)
- Brake cleaner
- Assembly Grease
- Thread sealant.



Removing the water pump

Drain the coolant. Remove the air box and upper radiator support. Remove the upper radiator hose and heater hoses. Remove the throttle body. Remove the serpentine belt. Remove the belt tensioner. Remove the thermostat inlet. Remove the six pump to block bolts. Clean all mating surfaces.

Disassembly of the water pump

The lower radiator hose fitting comes with an O-ring. Caution should be taken to keep this O-ring intact. This O-ring is not included with this kit.

Start by noting the direction of the wire coming out from behind the pulley. The clocking will need to be maintained when re-assembling the pump. Then, use a long 3/16 allen wrench through the windows in the pulley to remove the 5 bolts holding the front motor section on the pump body. Care should be taken to not damage the impeller when it is exposed. Damage to the impeller will require you to send the front motor section back to us for repair. Next remove the upper water neck fitting from the pump housing and set aside. Now remove the 6 bolts on the back side of the pump and separate the pump body. While separating the pump body you should note where the O-rings are located in the body. Remove all the old O-rings and clean all the surfaces of the pump using brake cleaner. Next clean all the thread on all the bolts.

Assembly of the water pump

A small amount of grease should be applied to the O-rings before assembly. This will help to hold the O-rings in place. Place the O-rings as shown in the diagram on the back of this page. Carefully place the back half of the pump body down on to the front half making sure the half moon O-ring doesn't move. Replace the 6 back bolts into the correct holes using thread sealant. Torque appropriately. Install the front motor section O-ring (WP-154). Carefully insert the motor section into the pump body, Be careful not to hit or damage the impeller. Clean the fasteners and apply a small amount of thread sealant. Ensure that the wires are in the correct location and secure the motor section. Remove and replace the o-rings on the heater hose fittings and upper hose fitting. Use a small amount of grease on the o-rings and install the fittings.

Mounting Pump

The Meziere water pump seals to the block using the two AC-Delco gaskets. Bolt pump in place using the 6 OEM bolts. **Run all six bolts up snug before tightening to 22 ft. / lbs.** Care should be taken to not trap the air conditioning wiring harness behind the pump.

Remember to check the upper radiator hose and throttle body linkage before starting the car. Engine Damage could occur if the placement of these parts is not correct. Use the tie wraps to hold the hose away from the idler pulley if necessary. Check to make sure the throttle blades open close freely and completely.

Running

Fill the cooling system. Turn on the pump. Top off coolant level. Recheck level after one heat cycle.

DO NOT RUN THIS PUMP DRY for more than a few seconds.

Thank you for purchasing our product. Feel free to contact us if we can be of further assistance and enjoy your pump.

WARNING: NOT USING THE FUSE WILL VOID YOUR WARRANTY.

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