

LEAKLESS BALL BEARING WATER PUMP INSTRUCTIONS

1. If you have an original radiator on your Model A, you can install the pump as is. If you have a reproduction radiator, you will need to grind or file some of the props on the impeller. There are 3 props on the impeller that pump the water. We recommend grinding or filing down about 1/3 of each of the 3 props. This will slow down the pumping rate of the pump. The reason is that repro radiators are much more efficient than the original radiators. Repo radiators are more efficient because they have smaller diameter tubes to dispense the heat. Consequently they can not handle they same flow rate as original radiators. If you don't file or grind the impeller, and you do have a repro radiator, your pump will pump more coolant into the top tank of the radiator than it can handle. There will be no place for the coolant to go than out the overflow. A little extra time spent now will eliminate a lot of aggravation later.
2. The front grease fitting on this pump is for appearance only. Since you have a sealed ball bearing in the front of your water pump, it is useless to grease this fitting.
3. The pack nut is left loose on these pumps on purpose. do not tighten this pack nut, it is for emergency use only. in the event that the seals in the rear of the bushing would happen to fail, you can tighten up the pack nut and be on your way without being stranded somewhere. If you tighten the pack nut up, it will seal the grease grooves in the rear bushing and will prevent grease from lubricating the rear bushing. Lack of grease will cause the shaft to seize in the bushing.
4. The rear grease fitting should be lubricated every 500 hundred miles. Because the rear bushing of this pump is sealed, it is necessary to back off the pack nut when greasing. This will allow the air to escape and avoid damaging the seals. Pump grease into the rear fitting until you see it coming out between the shaft and the bushing.

