

G503 WWII Military Jeep Engine Water Pump Rebuild Restore WW2 Restoration

This article shows a step by step process of restoring your G503 WWII Jeep Engine Water Pump



	We start by screwing in the pulley puller onto the pulley. Here we use a modern pulley, and heat the pulley just before we start to rotate the pulley bolt to remove the pulley.
	If you take a look at the cast iron impeller at the rear of the water pump, you see that the center shaft is held on by a press fit. This means to remove it you will need a press.
	Likewise, the bearing shaft will also require a press to push the shaft out. In our case, it took a minimum of a 5 ton press to remove this bearing shaft.
5 Ton Press	Place you water pump in the 5 ton press and push the bearing shaft out the cast iron water pump casing. Also use your press to push out the bearing shaft from the impeller.









Terrific! the impeller should be pushed to the end of the shaft as directed by the TM.



Install the bearing wire by pushing down around the grove on the bearing shaft and using kneedle nose pliers. Push down on the wire while turning the shaft will give the best results.

Be-Careful the spring will try and pop out and could hit your eyes so use safety google for this part.



Before you install the pulley, be sure to paint it the color of your engine, OD or Gray depending on MB or GPW. Note: if you painted after the pulley is installed you would not be able to get to the underside of the pulley area.



With a Cold Press, press the pulley onto the water pump shaft. You want the shaft to be right up to the edge of the pulley and you are done!