

Fitting Instructions for 2.25 Litre Series IIA & III Water Pump Kit

Part Nr. PLE587

Fits:

Series IIA, III

Suggested Tools:

- 7/16" Socket, wrench
- 13/16" or 7/8" Deep Socket
- 3/8" Nut
- Shop press, or flat sturdy work bench
- Vernier calipers for measuring
- Feeler gauge



Various Sockets, Driver, Wrench



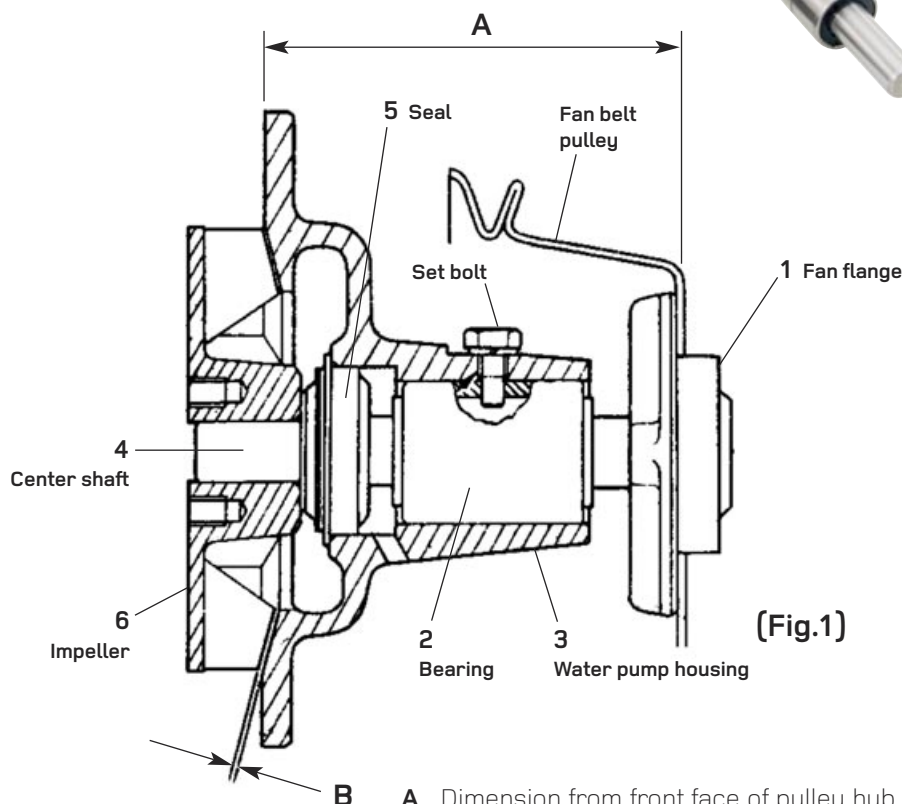
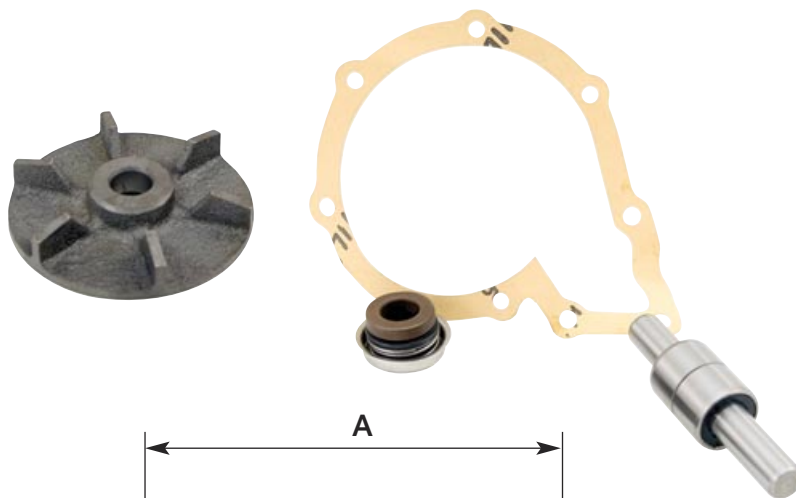
Safety Glasses

Directions:

Step 1. Remove 7/16 set bolt.

Step 2. Press flange (1) and bearing (2) down until the flange hits the housing (3). Then press the center shaft (4) through the flange and out of the water pump. (Fig.1)

READ ALL INSTRUCTIONS COMPLETELY BEFORE BEGINNING!



A Dimension from front face of pulley hub to mounting face of the water pump body.
2.25 litre models: 89.48mm +/- .25mm
(3.523" +/- .010")

B Check clearance between impeller vanes and pump body with feeler gauge.
2.25 litre models: 0.05mm to 0.63mm
(0.020" to 0.025")

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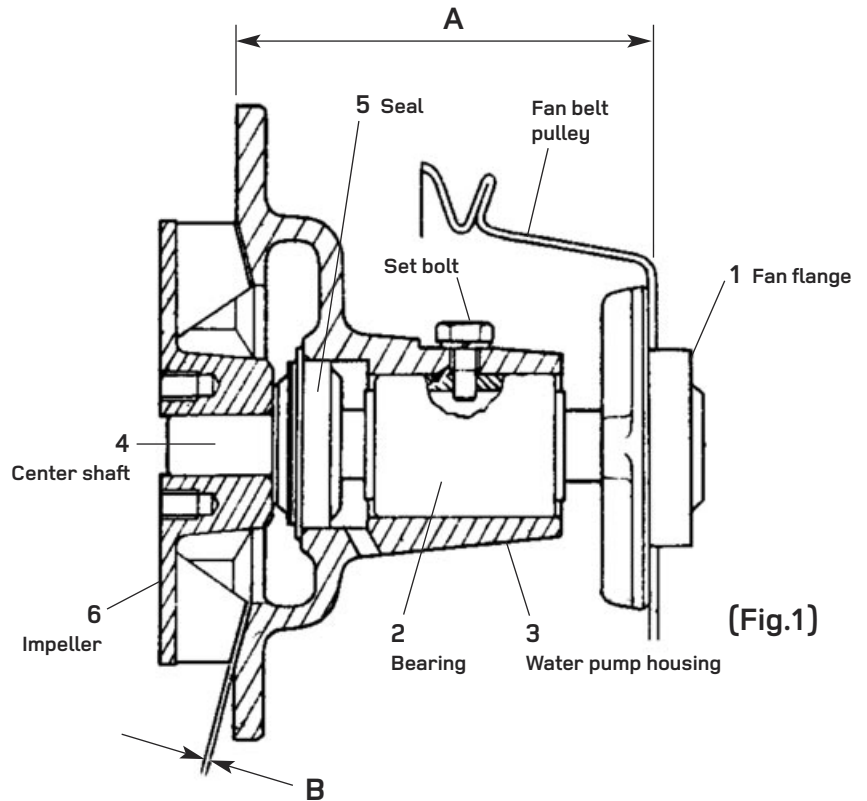
Step 3. Now clean the housing with special attention to the area between the bearing and seal. Also the drain hole. Now is the time to repaint the housing, if you wish to.

Step 4. Remove the new bearing from the kit. Put it on the housing with the long end down, towards the impeller side. Press the bearing in by the outer housing (#3, Fig. 1). Do not press on the shaft as this may damage the bearing. A 13/16" or 7/8" deep well socket works well for pressing. Press in until the bearing is flush.

Step 5. Press the seal (5) onto the center shaft, large end first. Press until the inner flange seats against the water pump housing. Next press the outer (small end of the seal further onto the shaft until outer most face sits about 7/16" from the inner flange (see figure 2).

Step 6. Now press on the impeller (6), pressing against the shaft until the proper clearance (at B in Fig. 1) is obtained: .020" to .025".

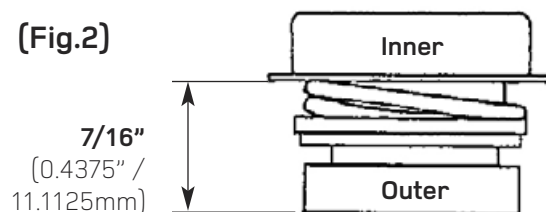
Step 7. To press on the drive flange (1) you have to support the impeller end of the shaft (4). A 3/8" nut works well for this. Support the shaft and press the drive flange down to the installed height of 3.523" (at A in Fig. 1).



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(0.020" to 0.025")

(Fig.2)



The new style water pump seal seals against itself, not the impeller. It is essential that the seal be pressed down from the bearing shaft to the housing. The distance from the top to the seal flange must not vary after installation. The way to do this is to press down the inner section.