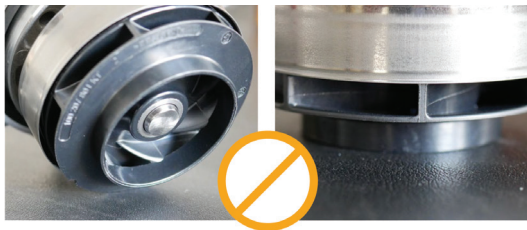


Never turn the impeller or bearing by hand



The pump must never be put down on the impeller

Dry testing damage on electric water pumps

Problem

We all enjoy giving a small wheel a quick flick, especially if it's on a water pump that's fresh out of the box. Many mechanics instinctively check whether the impeller wheel really turns nice and easily. Please resist this temptation and don't though! This "dry test" can cause damage to the bearing and impeller, whose effects only become apparent following installation. For example, through water loss, noises or rising temperature.

Cause

Improper handling before or during assembly can impair electric water pump operation or cause damage.

Solution

The following guidelines should be followed whenever handling an electric water pump:

- Never turn or move the impeller and bearing by hand
- The water pump must never be put down on the impeller.
- The water pump should only be placed carefully down on the front face of the drive pulley.
- The pump may be noisy when dry, but when in operation the coolant will lubricate contact surfaces to eliminate noise.
- It is also important to make sure that the pump is placed flat against the engine before tightening the bolts.

Continental has many technical bulletins to help mechanics with installations and settings. These bulletins for can be found at www.continental-engineparts.com.