

4.22.3 ASSEMBLING THE PUMP

NOTE Have the appropriate special tools **OPT** to hand:

- **aprilia** part# 0877650 (handle for pads) (14);
- **aprilia** part# 0277670 (coolant pump shaft housing oil seal assembly pad) (15);
- **aprilia** part# 0877257 (assembly pad for water pump shaft seat sliding ring) (16).

NOTE The closed side of the oil seal must be fitted so that it faces the impeller (3).

- ◆ Insert the oil seal (7) all the way into the slot using the assembly punch.
- ◆ Insert the sliding sealing ring (8) all the way in using the assembly pad.

CAUTION

Take care not to damage the impeller (3).

- ◆ Screw the rotor (3) completely on the shaft (6) of the coolant pump by hand.
- ◆ Coat the coolant pump shaft (6) with MOLYKOTE® G-N and insert it from the outside all the way onto the oil seal assembly.
- ◆ Install the washer (5) on the coolant pump shaft.
- ◆ Install the pin (4) in the coolant pump shaft slot and engage the coolant pump gear (2).

NOTE You must feel the pin is perfectly inserted in the slot in the coolant pump gear.

- ◆ Tighten the impeller (3) by hand, holding the coolant pump gear (2) still.

M = MOLYKOTE® G-N.

