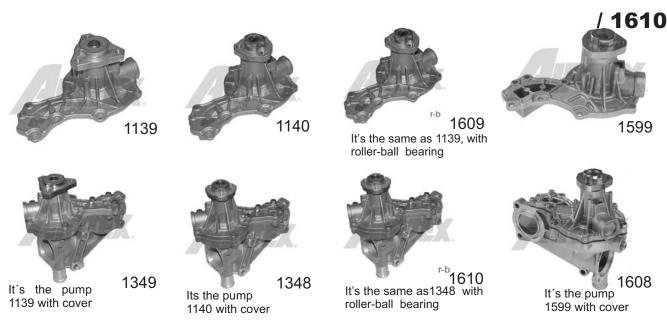




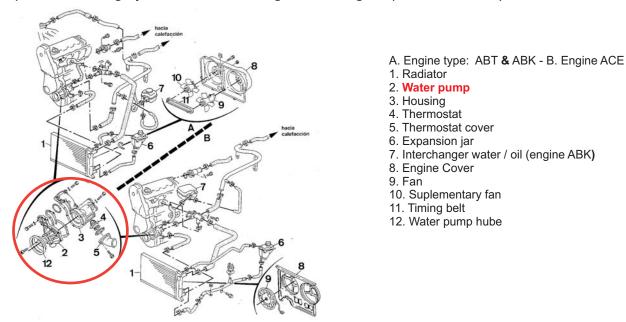
## **TECHNICAL INFORMATION SHEET**

## PART NUMBERS:1139 / 1140 / 1348 / 1349 / 15991608 / 1609

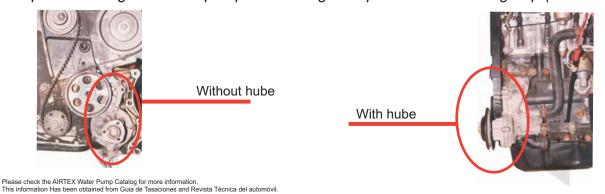


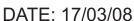
NOTA: The main visual difference between pumps 1139/1349 and 1140/1348 is the hub size.

## Example of a cooling system: Audi 80 4cil.gasoline engine (PN. 1138/1140)



Example: Mounting of a water pump into an engine. Aplications Audi-Vw group (PN. 1348)



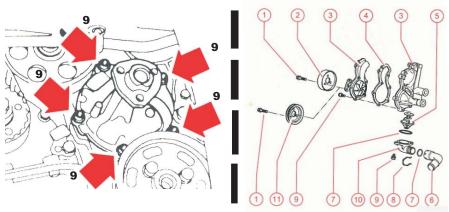




## **TECHNICAL INFORMATION SHEET**

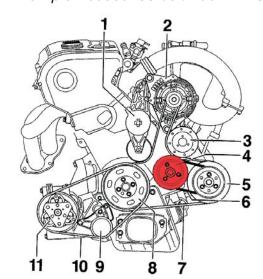
PART NUMBERS: 1139 / 1140 / 1348 / 1349 / 1599 1608 / 1609 / 1610

Example: Assembly and torque. Part number 1348



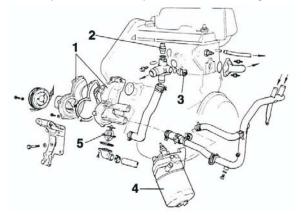
Example Accesories belt Audi A4. Gasoline engine. (PN. 1599)

- 1. Pulley bolt
- 2. Water pump pulley
- 3. Cooling liquid pump
- 4. Gasket
- 5. Thermostat
- 6. Join hose
- 7. Toroidal ring
- 8. Fastener
- 9. Body bolt
- 10. Clamp
- 10. Clamp
- 11. Water pump pulley (V belt version)

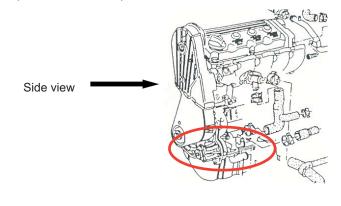


- 1. Idler
- 2. Alternator
- 3. Viscous coupling
- 4. Water pump
- 5. Direction pump
- 6. Water pump belt
- 7. Accesories belt, fan and alternator.
- 8. Cranckshaft pulley
- 9. Compressor belt for air conditioning tensile (if applies)
- 10. Compressor belt for air conditioning
- 11. Air conditioning compressor

Example VW Tranporter Diesel engine, 4 cilinders (PN.1139/1609)



- 1. Water pump
- 2. Indicator of temperature transmitter
- 3. Pre-heating system transmitter
- 4. Thermal interchanger
- 5. Thermostat



Torque

Item	(daN.m)
Pulley bolt	2
Housing with cover bolt	1