

TECH BULLETIN # 1

MODEL - 924S,944/S/T

SUBJECT - INSTALLING NEW TYPE WATER PUMP

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A new coolant pump is installed on all 4 cylinder engines since July 1986 beginning with the following engine numbers:

43G61921 - 944 Manual transmission
924S Manual transmission

43G61921 - 944 Automatic transmission
924S Automatic transmission

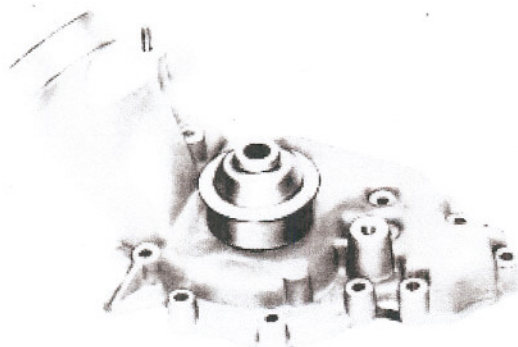
43H01467 - 944 Manual transmission
924S Manual transmission

43H60310 - 944 Automatic transmission
924S Automatic transmission

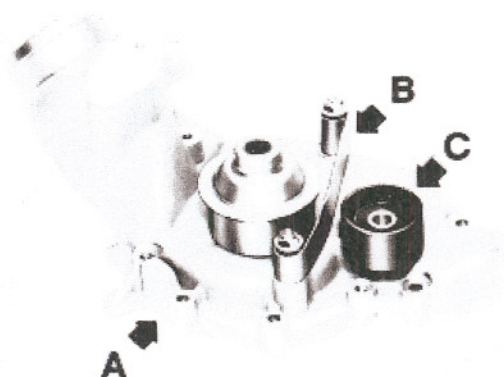
42H00140 - 944S

45H00086 - 944 Turbo

This new version pump has modifications to the seals and pump body in the area of the vent bore (Arrow A). In addition, a guard rail (Arrow B) is installed and the toothed belt roller (Arrow C) is offset to guide the toothed belt.



Old



New

Coolant Pump Part Numbers

924S, 944, 944S
944 Turbo

Old

944 106 021 13
951 106 021 01

New

951 106 021 10
951 106 021 10

THERMOSTAT MODIFIED

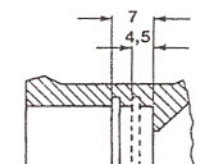
The groove for the thermostat retaining ring has been moved. The clip is now 7mm from the thermostat sealing surface. A new thermostat, part number 944 106 019 00 and support washer, part number 900 234 160 00 are required when replacing the original water pump.



Former Version



New Version



BLOCK-OFF PLATE

A universal fit water pump is supplied for all 2.5 liter 4 cylinder engines. To install on a non turbo vehicle, a block-off plate is used.

Parts required: 1 x 944 106 313 00 Block-off plate
1 x 999 707 283 40 O-ring
2 x N 011 524 7 Washer
2 x N 014 704 1 Bolt 6 x 20mm

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Note:

951 106 021 04 will not be available for pre-1987 models until current inventory of 951 106 021 01 is depleted.

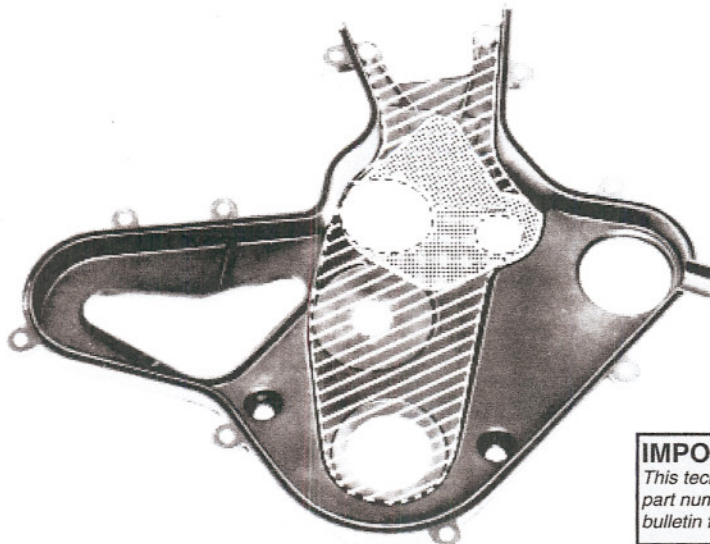
When repairing cars from start of production 1983, install the new version coolant pump. The following parts must also be ordered for use with the new version coolant pump: (The following parts may or may not come with the new pump).

- 1 - Guard rail - PN 944 105 213 01- Qty. 1
 - 2 - Lock nuts - PN 999 084 092 02- Qty. 2
 - 3 - Roller - PN 944 105 241 03- Qty.1
- Roller diameter is 46.2mm (formerly 32.0mm)

The gasket between the coolant pump and the crankcase has not been changed.

Important:

Mark the running direction of the camshaft and balance shaft belts prior to removal to assure the same running direction on reassembly. Inspect toothed belts for wear or damage and replace if necessary.



- Material to be removed

IMPORTANT NOTE:

This tech bulletin is a copy of an original factory bulletin, some of the the part numbers listed have been superseded. Use the information from this bulletin for repair, for the latest part numbers, refer to our catalog.