



SERVICE NEWS

AIRCOOLED MOTORS INC.
SYRACUSE 3, NEW YORK

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NO. N-52

SUBJECT: APPROVED CHANGES & MODIFICATIONS

1. EXTERNAL VALVE COVER DRAIN SYSTEM
MODELS: 6V4-200 SERIES ENGINES

Beginning with Serial No. 27157 the external valve cover drain system has been eliminated. The residual oil drains via the lifter rod tube.

The external drain system may be omitted from engines previous to 27157 at the option of the owner. The existing valve covers may be modified by cutting off the nipples and brazing a plug over the opening. Replace the drain fittings at the oil tank with pipe plugs.

2. CONNECTING ROD BUSHING - LOWER
PARTS NO'S. 17739, 18020, 18021
MODELS: 6A4, 6V4, 6V-335 SERIES ENGINE AND ALL PREWAR MODELS

The oil spray holes have been eliminated from the lower connecting rod bushings, P/N 17739, Standard, 18020 .010 Undersize, and 18021 .020 Undersize. Tests have shown that these did not perform any useful function. Spray holes have also been eliminated from latest production connecting rods.

3. CONNECTING ROD BUSHING - UPPER
PART NO. 17738
MODELS: 6A4, 6V4, 6V-335 SERIES AND ALL PREWAR MODELS.

The construction of the P/N 17738 bushing has been changed from plain bronze to a steel-backed, bronze-faced type, and the lubricating holes have been eliminated. This type may be used interchangeably with the former. Tests have shown the lubricating holes to be unnecessary. Latest production connecting rods no longer incorporate the drilled passage through the pin boss. It is unnecessary to drill the bushing when installed in existing rods which have the lubricating holes

4. CONNECTING ROD ASSEMBLY
PART NO. 19751
MODELS: 6A4, 6V4, 6V-335

The P/N 19751, Connecting Rod, replaces the P/N 19633 Assemblies which are no longer available. The rod has been redesigned principally to withstand the over-speed abuses, frequently encountered with helicopter installations. Among the rod features are a new rod bolt, P/N 19750, and a boss for balancing purposes. The bolts are not interchangeable with previous bolts. We will continue to supply the P/N 19632 bolt for existing connecting rods.

The 19741 Rod Assembly is made to a single weight tolerance. When the existing connecting rod must be replaced, it is recommended that they be replaced in pairs to provide equal weights on opposing throws.

5. CONNECTING ROD BOLT TORQUE
PART NO. 19751 ROD ASSEMBLY

The P/N 19751 Connecting Rod nut torque limit is 275 - 360 pound - inches. These limits are recommended for torquing existing connecting rod nuts also.