



TOOMBS RACING & MACHINE



TRM Cam Bearing Removal/Installation Kit

General Instructions:

- Cam bearings are numbered from front to back in the block w/ #1 being the front.
- Olds cam bearing diameters get smaller from front to back in .020" increments, #1 is the largest, #5 is the smallest.
- Remover / Installation tools are numbered for the bearing they are designed to remove or install.
- The #1 bearing location has a separate remover and installer and are marked accordingly. The #1 installer is stepped and contacts the cam thrust face in the block when the bearing is installed assuring it is installed squarely in the bore.
- The kit contains a steel driving rod and 2 aluminum extension rods that thread together and thread onto the various remover / installer tools. Threading the parts together hand tight is all that is required.
- The steel driving rod is to be the only one that comes in contact w/ a hammer! Never hit the aluminum extension rods w/ a steel hammer as they will be damaged.
- A guide bushing insert is also provided that fits into the #1 cam bearing bore in the block after the #1 bearing is removed. This assures that #2 thru #5 bearings are installed squarely in their bores.
- The bearing bores in the block should be lightly oiled before installing the new bearings.

Bearing Removal:

- 1) Attach the #1 (front of block) bearing "remover" tool to the steel driving rod by threading it onto the stud. Drive the #1 bearing out toward the rear of the block.
- 2) Attach the #2 remover / installer to one of the aluminum extension rods and attach the extension rod to the steel driving rod. Insert the #2 tool into the #2 bearing and slip the guide bushing over the rod and into the #1 bearing bore in the block. Drive out the #2 bearing.

- 3) Repeat this process for bearing #s 3 thru 5 using the appropriate tool. You will need to add the 2nd extension rod for bearing #s 4 and 5.
- 4) Bearing #5 is driven out of the bearing bore to the back of the block. This bearing bore also contains a large plug behind the bearing which can be driven out at the same time.

Bearing Installation

- 1) Install the new bearings starting w/ #5 at the rear of the block. This will require the use of both extension rods. The rear cam bearing bore plug will have to be installed from the rear of the block with an appropriate driver (not included in kit).
- 2) Install bearings #5 thru #2 using the appropriate length extension rod(s), the appropriate tool, and the front guide bushing to assure they are installed squarely in their bores. When installing the bearings, be careful to align the oil hole with the holes in the block. Drive the new bearings to the approximate center of the bores in the block.
- 3) For installation of the #1 cam bearing, the guide bushing is removed, the aluminum extension rods are removed, and the #1 “installer” is attached to the steel driving rod. Drive the #1 cam bearing into the block until the tool stops against the camshaft thrust surface. This assures that the bearing is installed to the correct depth and is square in the bore.