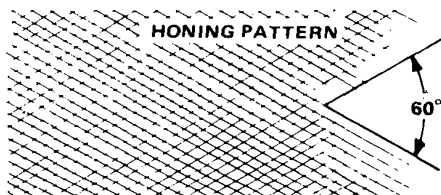




Piston Pins

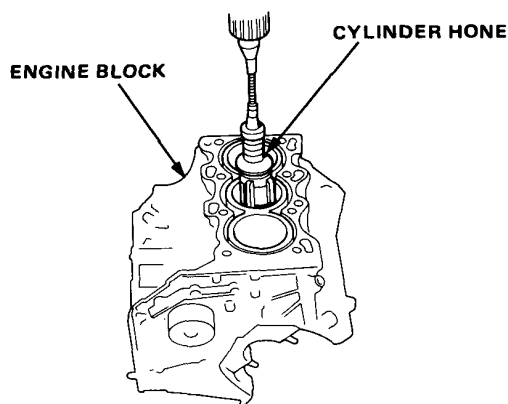
Bore Honing

1. Measure cylinder bores as shown on page 5-60. If the block is to be re-used, hone the cylinders and remeasure the bores.
2. Hone cylinder bores with honing oil and a fine (400 grit) stone in a 60 degree cross-hatch pattern.



3. When honing is complete, thoroughly clean the engine block of all metal particles. Wash the cylinder bores with hot soapy water, then dry and oil immediately to prevent rusting.
4. If Scoring or scratches are still present in cylinder bores after honing to service limit, rebore the engine block.

NOTE: Some light vertical scoring and scratching is acceptable if it is not deep enough to catch your fingernail and does not run the full length of the bore.



NOTE:

- After honing, clean the cylinder thoroughly with soapy water.
- Only scored or scratched cylinder bores must be honed.

Removal

1. Assemble the Piston Pin Dis/assembly Tool as shown.

PISTON BASE HEAD
07HAF-PL20100 or
07HAF-PL20101

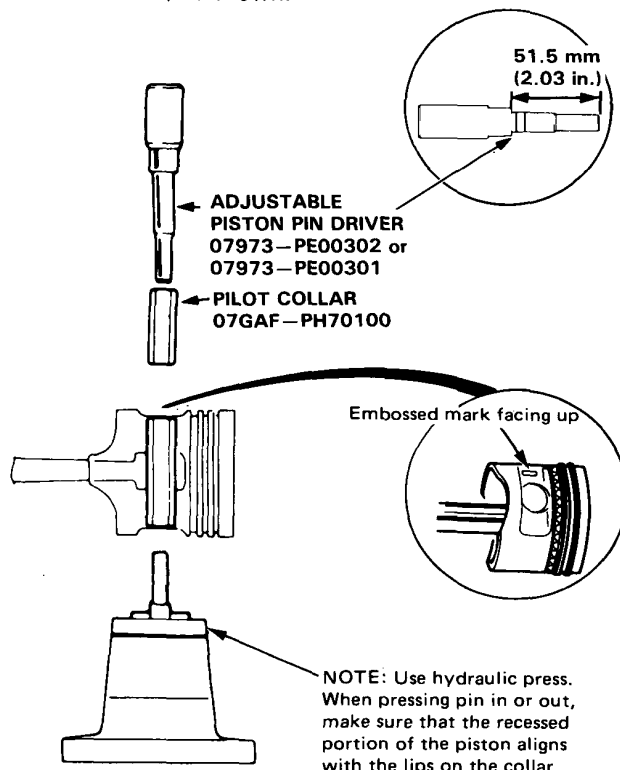
PISTON PIN BASE INSERT
07GAF-PH60300

PISTON BASE
07973-6570500

PISTON BASE SPRING
07973-6570600

PISTON PIN DIS/ASSEMBLY TOOL SET
07973-6570002

2. Adjust the length of piston pin driver to 51.5 mm (2.03 in.) as shown.



3. Place the piston on the piston base and press the pin out with a hydraulic press.

Connecting Rods

Selection

Each rod is sorted into one of four tolerance ranges (from 0 to 0.024 mm, in 0.006 mm increments) depending on the size of its big end bore. It's then stamped with a number (1, 2, 3, 4, 5 or 6) indicating that tolerance. You may find any combination of 1, 2, 3, 4, 5 or 6, in any engine.

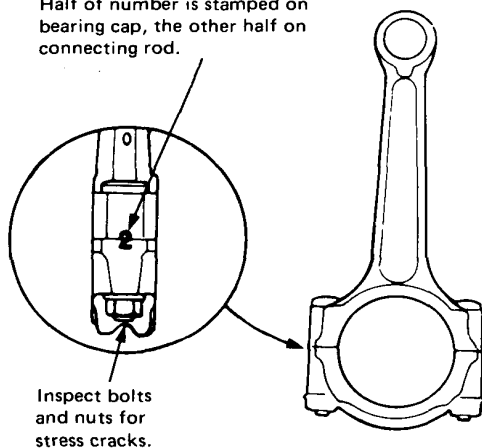
Normal Bore Size: 55 mm (2.17 in.)

NOTE:

- Reference numbers are for big end bore size and do NOT indicate the position of rod in engine.
- Inspect connecting rod for cracks and heat damage.

CONNECTING ROD BORE REFERENCE NUMBER

Half of number is stamped on bearing cap, the other half on connecting rod.

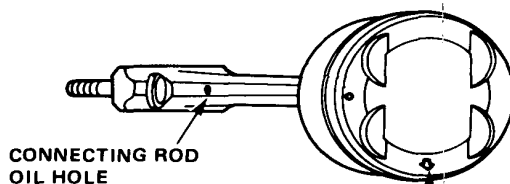


Piston Pins

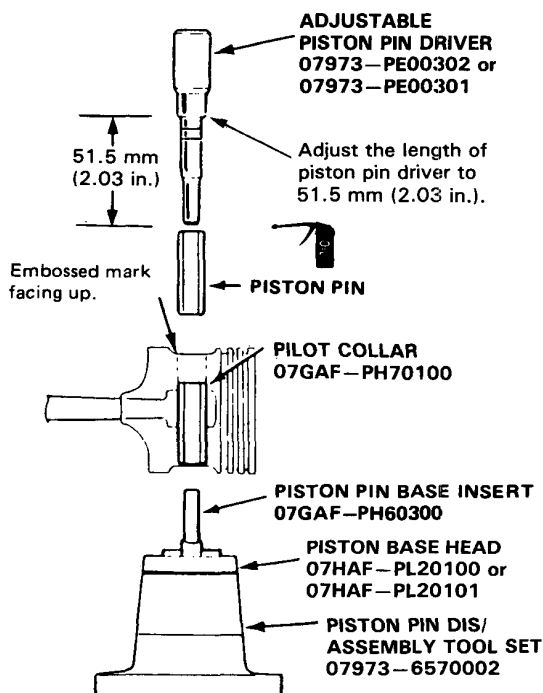
Installation

1. Use a hydraulic press for installation.

- When pressing pin in or out, be sure you position the recessed flat on the piston against the lugs on the base attachment.



The arrow must face the timing belt side of the engine and the connecting rod oil hole must face the rear side of the engine.



NOTE: Install the assembled piston and rod with the oil hole facing the rear of the engine.