

# Cylinder Bore Deglazing

Meets ASE Task: (A1-C-5) P-2 Deglaze and clean cylinder walls.

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

A deglazing hone is designed to remove the hard surface glaze in the cylinder. A deglazing hone is flexible so that it can follow the shape of the cylinder and cannot be used to straighten the cylinder.

\_\_\_\_\_ 1. Completely disassemble the engine block.

\_\_\_\_\_ 2. Measure the cylinder for out-of round.

Maximum out-of-round specification = \_\_\_\_\_

Actual out-of-round:

cylinder #1 \_\_\_\_\_ cylinder #5 \_\_\_\_\_

cylinder #2 \_\_\_\_\_ cylinder #6 \_\_\_\_\_

cylinder #3 \_\_\_\_\_ cylinder #7 \_\_\_\_\_

cylinder #4 \_\_\_\_\_ cylinder #8 \_\_\_\_\_

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 3. Measure the cylinder for taper.

Specifications = \_\_\_\_\_

Actual cylinder taper:

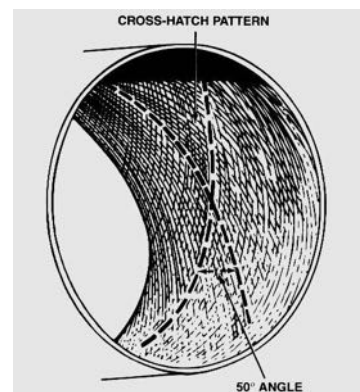
cylinder #1 \_\_\_\_\_ cylinder #5 \_\_\_\_\_

cylinder #2 \_\_\_\_\_ cylinder #6 \_\_\_\_\_

cylinder #3 \_\_\_\_\_ cylinder #7 \_\_\_\_\_

cylinder #4 \_\_\_\_\_ cylinder #8 \_\_\_\_\_

OK \_\_\_\_\_ NOT OK \_\_\_\_\_



\_\_\_\_\_ 4. If both cylinder taper and out-of-round measurements are within factory specifications, select a deglazing hone of the proper size with a 220 or 280 grit stone.

\_\_\_\_\_ 5. Install the hone into an electric drill motor and hone the cylinders being sure to use the proper coolant/lubricant specified by the manufacturer of the hone.

- \_\_\_\_\_ 6. After honing, be sure to wash the block with soap or detergent to thoroughly clean all of the honing grit from the block.