REPAIR
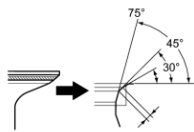
1. REPAIR VALVE SEAT

NOTICE:

- Repair the seat while checking the seating position.
- Keep the lip free from foreign matter.
- Take off the cutter gradually to make the valve seat smooth.
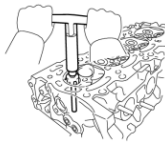
(a) Using a 45° cutter, resurface the valve seat so that the valve seat width is more than the specification.

(b) Using 30° and 75° cutters, correct the valve seat so that the valve contacts the entire circumference of the seat. The contact should be in the center of the valve seat, and the valve seat width should be maintained within the specified range around the entire circumference of the seat.

Standard valve seat width:
1.0 to 1.4 mm (0.0394 to 0.0551 in.)

(c) Hand-lap the valve and valve seat with an abrasive compound.

(d) Check the valve seating position.