

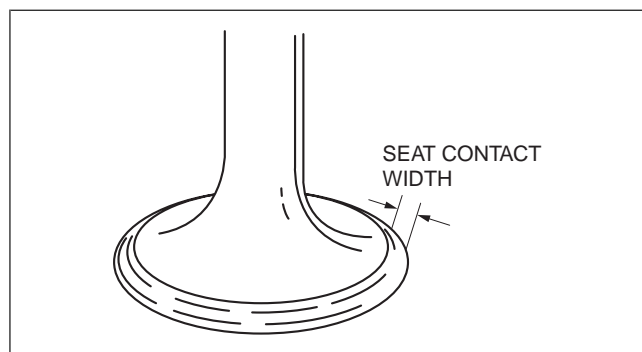
VALVE SEAT INSPECTION/REPAIR

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1. Measure the contact width of the valve face and the valve seat using the valve lapping compound.
 - If it is not within the specification, resurface the valve seat using the **45°** valve seat cutter.

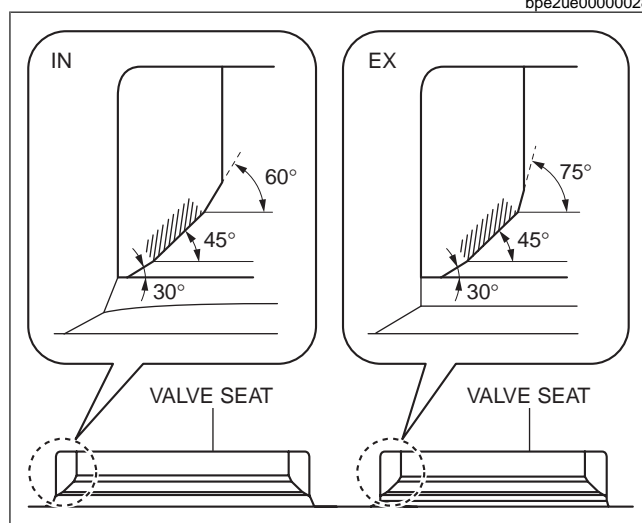
Standard valve seat contact width
1.2—2.0 mm {0.048—0.078 in}

Valve seat angle
45°



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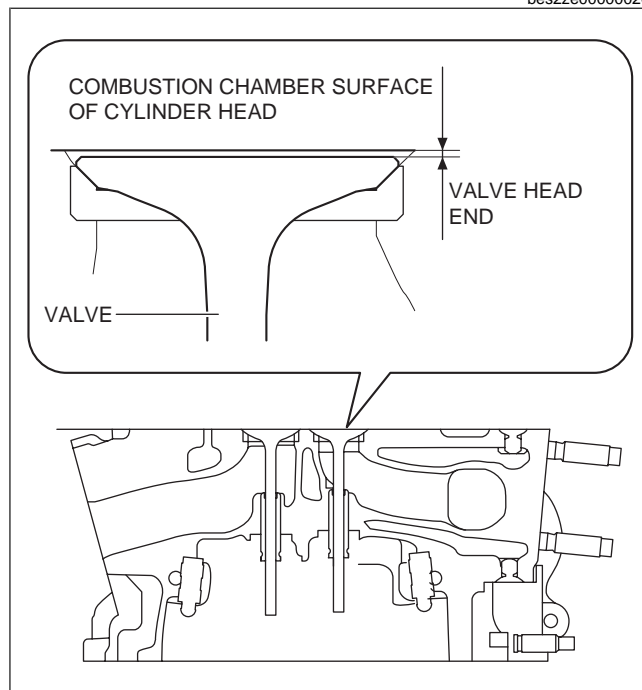
2. Verify that the area where the valve seat contacts the valve face is centered.
 - If the seating position is too high, correct the valve seat using a **60°** (IN) **75°** (EX) valve seat cutter and a **45°** valve seat cutter.
 - If the seating position is too low, correct the valve seat using a **30°** valve seat cutter and a **45°** valve seat cutter.



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3. Inspect the valve seat for sinkage.
 - If it is not within the specification, replace the cylinder head.

Standard valve seat sinkage amount
IN: 0.56—0.96 mm {0.023—0.037 in}
EX: 0.47—0.87 mm {0.019—0.034 in}



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