

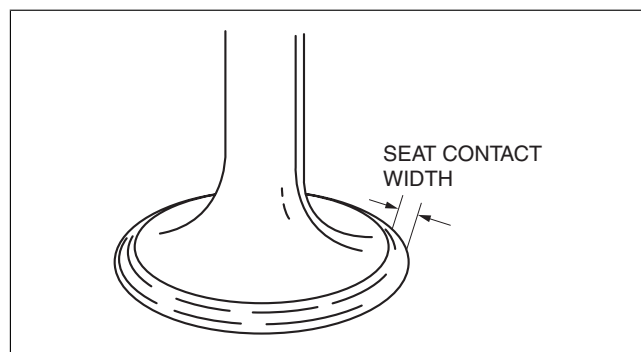
VALVE SEAT INSPECTION/REPAIR

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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.

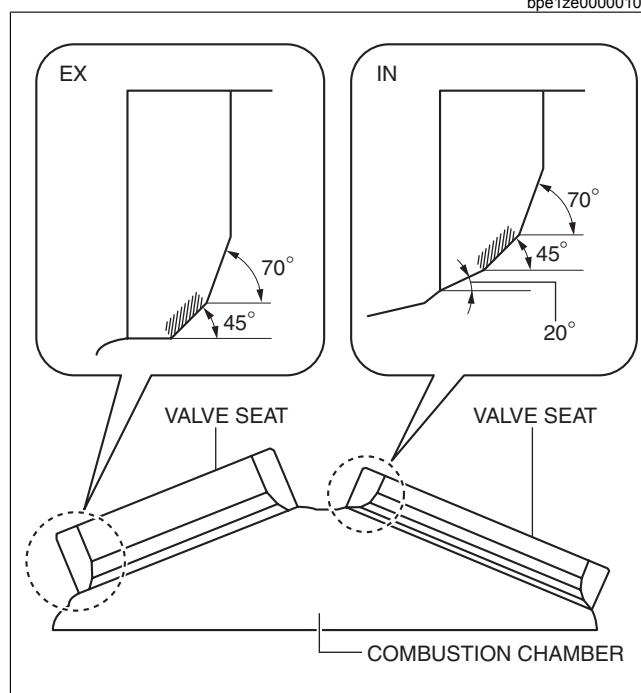
Standard valve seat contact width
1.37—1.84 mm {0.0540—0.0724 in}

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 **70°** (IN) **70°** (EX) valve seat cutter and a **45°** valve seat cutter.
 - If the seating position is too low, correct as follows:
 - IN: Correct the valve seat using a **20°** valve seat cutter and then using a **45°** valve cutter.
 - EX: Correct the valve seat using a **45°** valve seat cutter.



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3. Inspect the valve seat for sinkage. Measure the protruding length (dimension L) of the valve stem using a valve of standard length.
 - If it is not within the specification, replace the cylinder head.

Standard valve seat sinkage amount (Dimension L) [SKYACTIV-G 2.0]

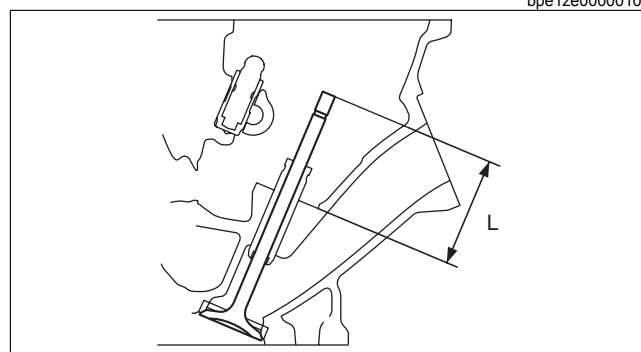
IN: 49.03—50.27 mm {1.931—1.979 in}

EX: 49.03—50.27 mm {1.931—1.979 in}

Standard valve seat sinkage amount (Dimension L) [SKYACTIV-G 2.5]

IN: 48.93—50.17 mm {1.927—1.975 in}

EX: 48.87—50.11 mm {1.925—1.972 in}



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