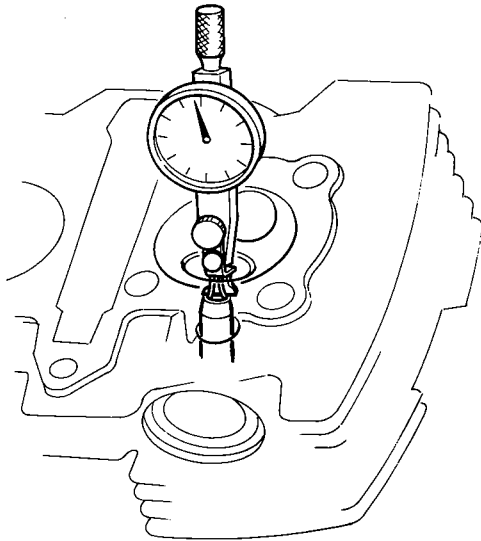


• VALVE GUIDE I.D.



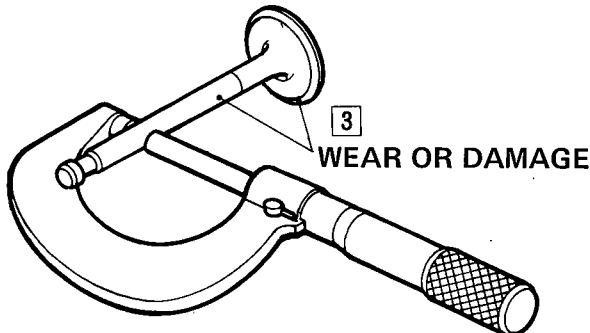
1 Measure the valve guides at the top, center and bottom and in two positions at right angle to each other.

	Standard	Service Limit
IN	5.475 – 5.485 mm (0.2156 – 0.2159 in.)	5.50 mm (Replace) (0.2165 in.)
EX	5.475 – 5.485 mm (0.2156 – 0.2159 in.)	5.50 mm (Replace) (0.2165 in.)

NOTE

2 If the service limits are exceeded, replace the valve and valve guide. Do not replace one without replacing the other.

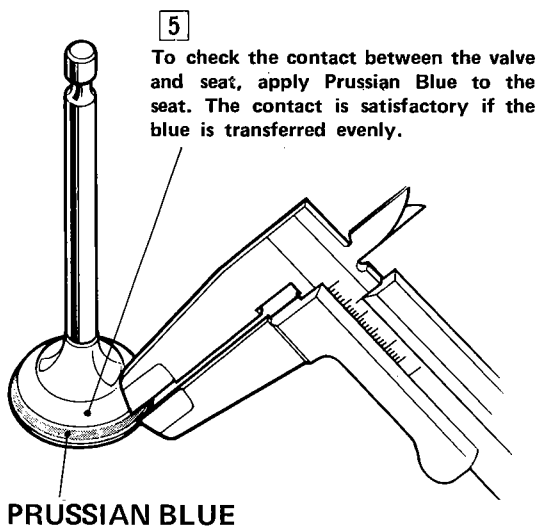
• VALVE STEM O.D.



4 Measure the valve stems at the top, center and bottom and in two positions at right angle to each other.

	Standard	Service Limit
IN	5.450 – 5.465 mm (0.2146 – 0.2152 in.)	5.42 mm (Replace) (0.2134 in.)
EX	5.430 – 5.445 mm (0.2127 – 0.2144 in.)	5.40 mm (Replace) (0.2126 in.)

• VALVE FACE WIDTH



7 Take measurements at several points.

	Standard	Service Limit
IN	1.1 – 1.5 mm (0.0433 in.)	1.8 mm (Replace) (0.07087 in.)
EX	1.1 – 1.5 mm (0.0433 in.)	1.8 mm (Replace) (0.07087 in.)