

(1) Using a micrometer, measure the cam lobe height.

Standard cam lobe height:

43.346 to 43.446 mm (1.7065 to 1.7105 in.)

Minimum cam lobe height:

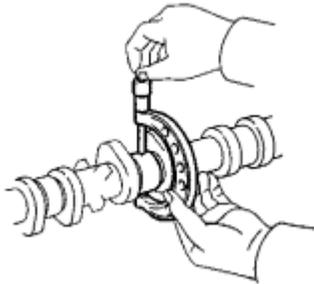
43.196 mm (1.7006 in.)

If the cam lobe height is less than the minimum, replace the No. 2 camshaft.

(c) Inspect the camshaft journals.

(1) Using a micrometer, measure the journal diameter.

Standard Journal Diameter:



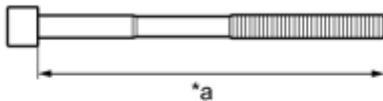
Journal Position	Specified Condition
No. 1	34.449 to 34.465 mm (1.3563 to 1.3569 in.)
Other	22.949 to 22.965 mm (0.90350 to 0.90413 in.)

If the journal diameter is not as specified, check the oil clearance INFO.

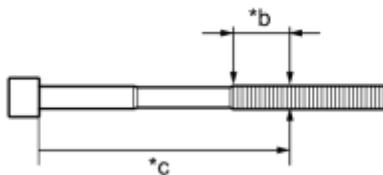
17. INSPECT CYLINDER HEAD SET BOLT

(a) Using a vernier caliper, measure the length of the cylinder head set bolt from the seat to the end.

Text in Illustration



*a	Measurement Length
*b	Measurement Area
*c	Distance



Standard length:

146.8 to 148.2 mm (5.78 to 5.83 in.)

Maximum length:

149.2 mm (5.87 in.)

If the length is more than the maximum, replace the cylinder head set bolt.

(b) Using a vernier caliper, measure the diameter of the elongated thread at the measurement point.

Measurement point:

115 mm (4.53 in.)

Standard diameter:

9.77 to 9.96 mm (0.385 to 0.392 in.)

Minimum diameter:

9.4 mm (0.370 in.)

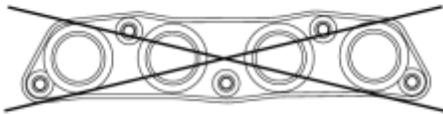
If the diameter is less than the minimum, replace the cylinder head bolt.

HINT:

If a visual check reveals no excessively thin areas, check the center of the bolt (refer to illustration) and find the area that has the smallest diameter.

18. INSPECT EXHAUST MANIFOLD

(a) Using a precision straightedge and feeler gauge, measure the warpage on the surface that contacts the cylinder head.



Maximum warpage:

0.7 mm (0.0276 in.)

If the warpage is more than the maximum, replace the exhaust manifold.