TOYOTA SERVICE BULLETIN

Group: 01 No.: 04 Date: Sept, 13

Yaris

Corrections to Repair Manual RM00S5E

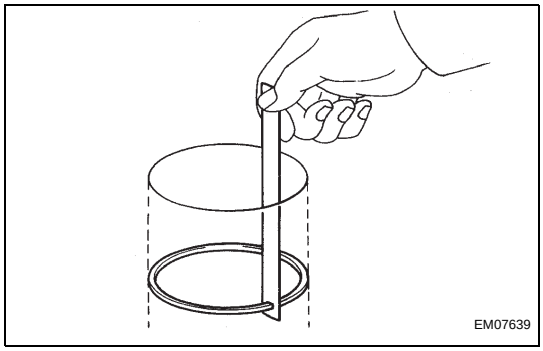
Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
1NZ-FE ENGINE MECHANICAL	ENGINE UNIT	INSPECTION
2NZ-FE ENGINE MECHANICAL	ENGINE UNIT	INSPECTION

The revised pages listed above are attached.
(The corrected parts are indicated by arrows.)

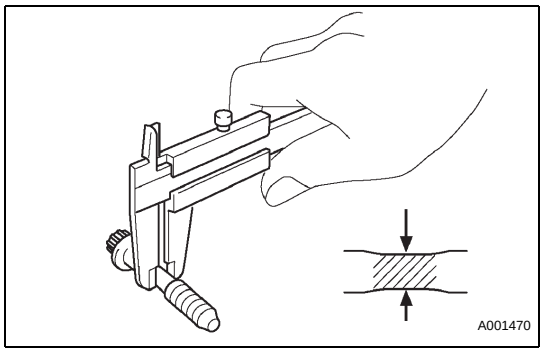
This Bulletin does not cause the Flat Rate Manual to be changed.

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(b) Using a feeler gauge, measure the end gap.

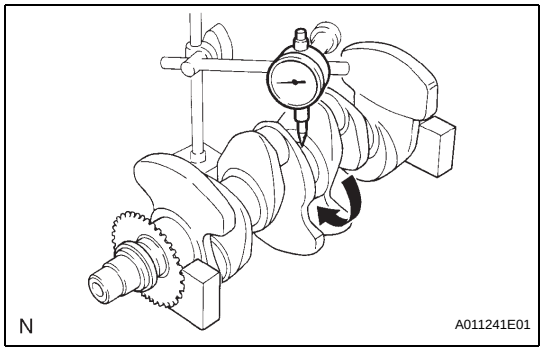
Standard end gap:
No. 1:
0.25 to 0.35 mm (0.0098 to 0.0138 in.)
No. 2:
0.35 to 0.50 mm (0.0138 to 0.0197 in.)
Oil (Side Rail):
0.10 to 0.35 mm (0.0039 to 0.0138 in.)
Maximum end gap:
No. 1:
0.91 mm (0.0358 in.)
No. 2:
1.06 mm (0.0417 in.)
Oil (Side Rail):
0.82 mm (0.0323 in.) [Corrected]



18. INSPECT CONNECTING ROD BOLT

(a) Using vernier calipers, measure the diameter of the bolt at the elongated portion.

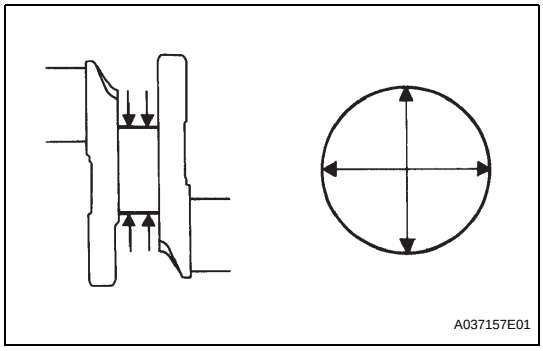
Standard diameter:
6.6 to 6.7 mm (0.260 to 0.264 in.)
Minimum diameter:
6.4 mm (0.252 in.)
If the diameter is less than the minimum, replace the bolt.



19. INSPECT CRANKSHAFT

(a) Using a dial indicator and V-blocks, measure the circle runout as shown in the illustration.

Maximum circle runout:
0.03 mm (0.0012 in.)



(b) Using a micrometer, measure the diameter of each main journal.

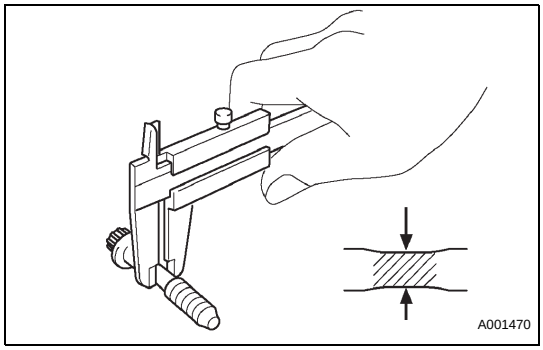
Outside Diameter:
45.988 to 46.000 mm (1.8106 to 1.8110 in.)

(c) Check each main journal for taper and out-of-roundness as shown.

Maximum taper and out-of-roundness:
0.02 mm (0.0008 in.)

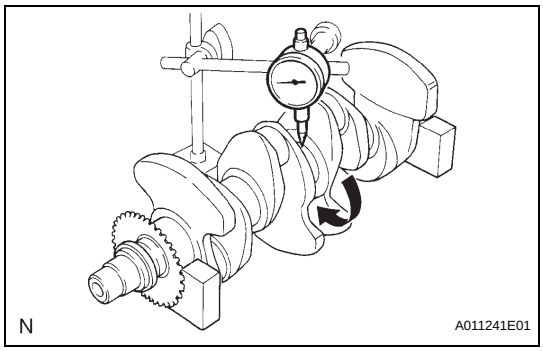
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No. 2:
1.06 mm (0.0417 in.)
Oil (Side Rail):
0.82 mm (0.0323 in.) [Corrected]



20. INSPECT CONNECTING ROD BOLT

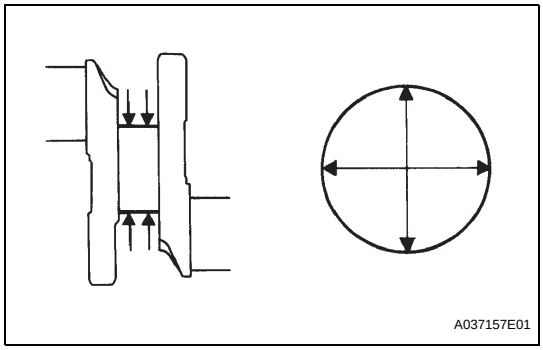
(a) Using vernier calipers, measure the diameter of the bolt at the elongated portion.
Standard diameter:
6.6 to 6.7 mm (0.260 to 0.264 in.)
Minimum diameter:
6.4 mm (0.252 in.)
If the diameter is less than the minimum, replace the bolt.



21. INSPECT CRANKSHAFT

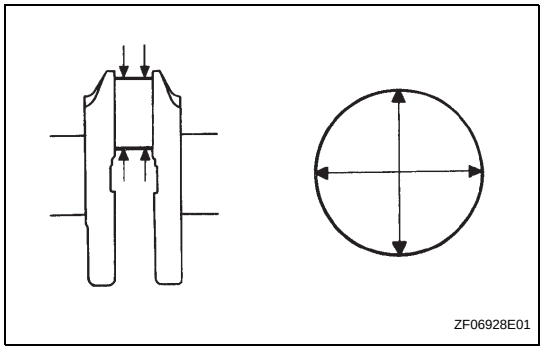
(a) Using a dial indicator and V-blocks, measure the circle runout as shown in the illustration.
Maximum circle runout:
0.03 mm (0.0012 in.)

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(b) Using a micrometer, measure the diameter of each main journal.
Outside diameter:
45.988 to 46.000 mm (1.8106 to 1.8110 in.)

(c) Check each main journal for taper and out-of-roundness as shown.
Maximum taper and out-of-roundness:
0.02 mm (0.0008 in.)



(d) Using a micrometer, measure the diameter of each crank pin.
Outside Diameter:
39.992 to 40.000 mm (1.5745 to 1.5748 in.)

(e) Check each crank pin for taper and out-of-roundness as shown.
Maximum taper and out-of-roundness:
0.02 mm (0.0008 in.)

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