TOYOTA SERVICE BULLETIN

Group: 05 No.: 07 Date: May, 13

Prado 120

Corrections to Repair Manual RM1017E

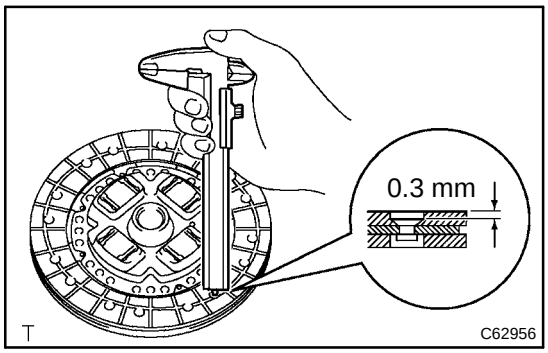
Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
CLUTCH	CLUTCH UNIT for 1GR-FE	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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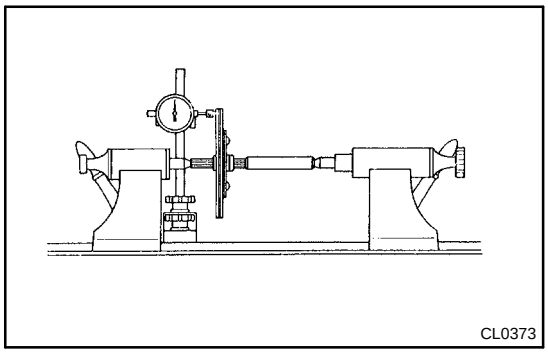


16. INSPECT CLUTCH DISC ASSY [Added]

NOTICE:
When replacing the clutch disc assembly, make sure to perform an inspection of the flywheel subassembly and clutch cover assembly.

(a) Using vernier calipers, measure the rivet head depth.
Maximum rivet depth: 0.3 mm (0.012 in.)

If necessary, replace the clutch disc.

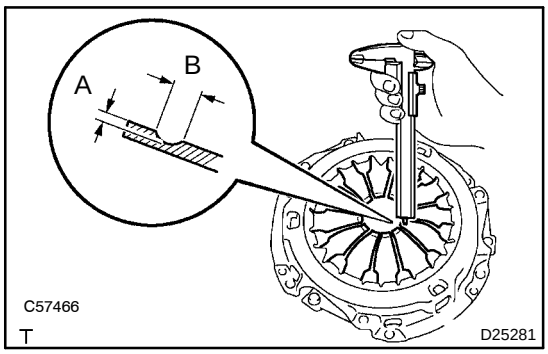


(b) Install the clutch disc to the transmission unit assy.

NOTICE:
Install the clutch disc in the correct direction

(c) Using a dial indicator, check for the disc runout.
Minimum runout: 0.8 mm (0.031 in.)

If necessary, replace the clutch disc.

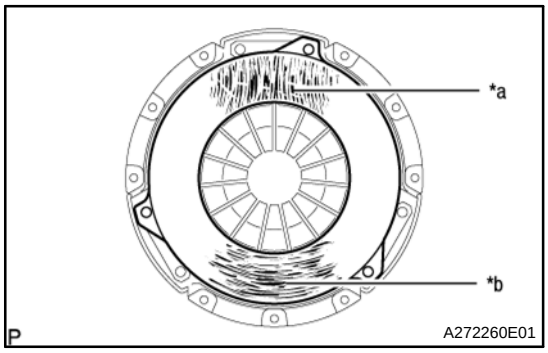


17. INSPECT CLUTCH COVER ASSY

(a) Using vernier calipers, inspect the diaphragm spring for depth and width of wear.
Maximum:
A (Depth): 0.5 mm (0.020 in.)
B (Width): 6.0 mm (0.236 in.)

If necessary, replace clutch cover assy.

[Added]

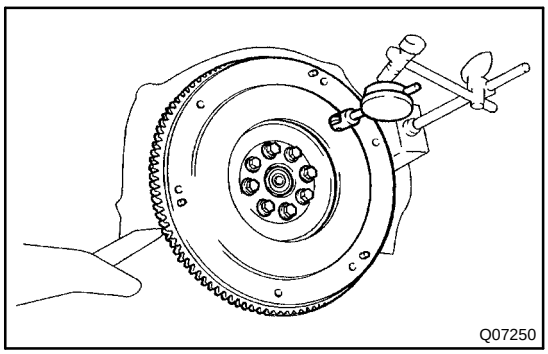


(b) Perform a visual inspection of the clutch cover assembly.
(1) Inspect for hair cracks or scratches extending from the center outwards, or discoloration.
(2) Inspect for hair cracks in a circular pattern, discoloration or excessive wear.

Text in Illustration

*a	Hair cracks, scratches or discoloration
*b	Hair cracks, discoloration or excessive wear

If there is any damage, replace the clutch cover assembly.

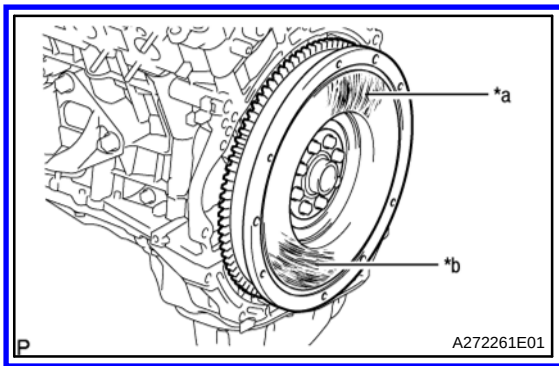


18. INSPECT FLYWHEEL SUB–ASSY

(a) Using a dial indicator, inspect for the flywheel runout.
Maximum runout: 0.1 mm (0.004 in.)

If necessary, replace the flywheel.

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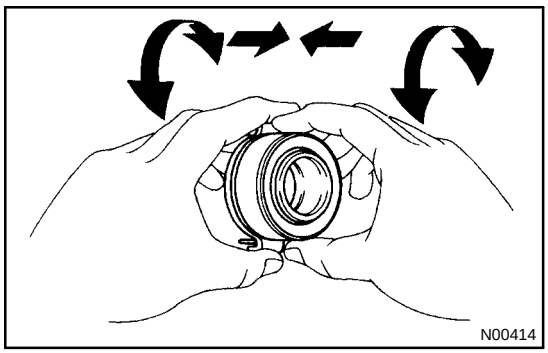


(b) Perform a visual inspection of the flywheel subassembly.
(1) Inspect for hair cracks or scratches extending from the center outwards, or discoloration.
(2) Inspect for hair cracks in a circular pattern, discoloration or excessive wear.

Text in Illustration

*a	Hair cracks, scratches or discoloration
*b	Hair cracks, discoloration or excessive wear

If there is any damage, replace the flywheel sub–assembly.



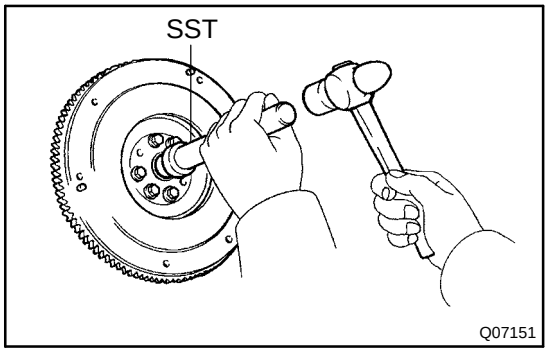
19. INSPECT CLUTCH RELEASE BEARING ASSY

(a) Turn the bearing by hand while applying force in the axial direction.

HINT:

The bearing is permanently lubricated and requires no cleaning or lubrication.

If necessary, replace the release bearing.



20. INSTALL INPUT SHAFT BEARING

(a) Using SST and a hammer, install a new input shaft bearing.

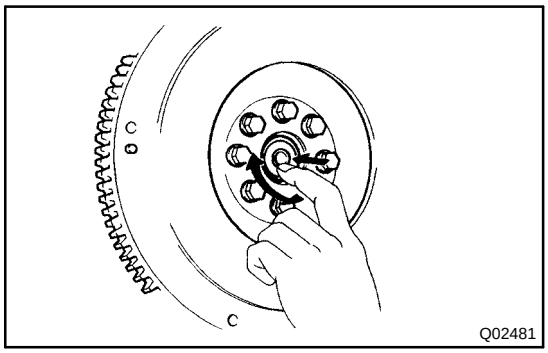
SST 09304–12012

HINT:

After installing the input shaft bearing to the hub, check that it rotates smoothly.

(b) Install 2 new bolts.

Torque: 27 N·m (270 kgf·cm, 20 ft·lbf)



21. INSPECT INPUT SHAFT BEARING

(a) Turn the bearing by hand while applying force in the rotation direction.

If the bearing sticks or has much resistance, replace the input shaft bearing.

HINT:

The bearing is permanently lubricated and requires no clearing or lubrication.

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