

H05413

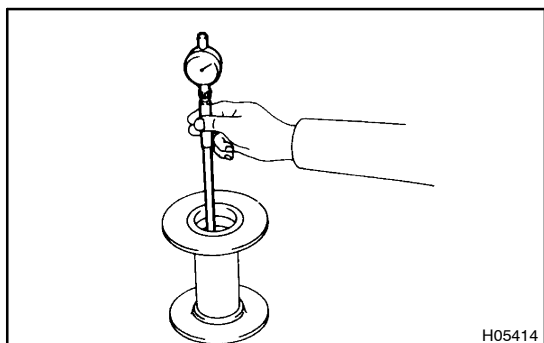
INSPECTION

1. INSPECT WINCH DRUM NO. 1 SPACER

Using vernier calipers, measure the thickness of winch drum No. 1 spacer.

Standard thickness: 1.4 mm (0.0551 in.)

Minimum thickness: 1.3 mm (0.0512 in.)



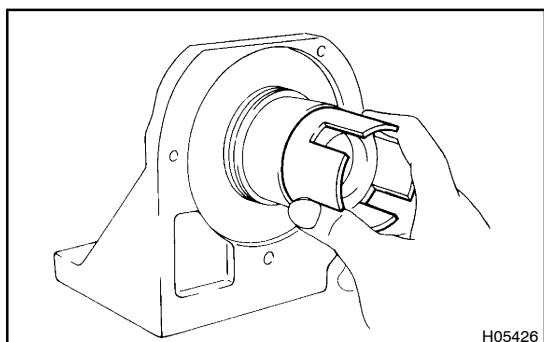
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2. INSPECT WINCH DRUM

Using a cylinder gauge, measure the each side pushing bore.

Standard bore: 64.20 mm (2.5276 in.)

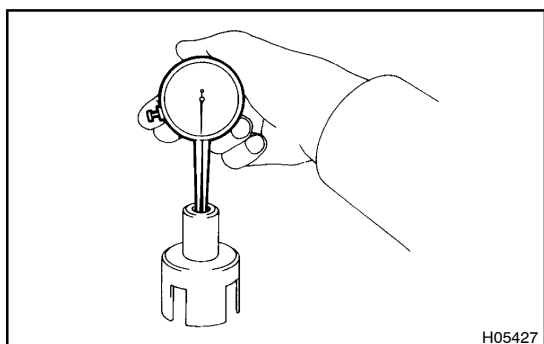
Maximum bore: 64.36 mm (2.5339 in.)



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3. INSPECT ONE-WAY CLUTCH

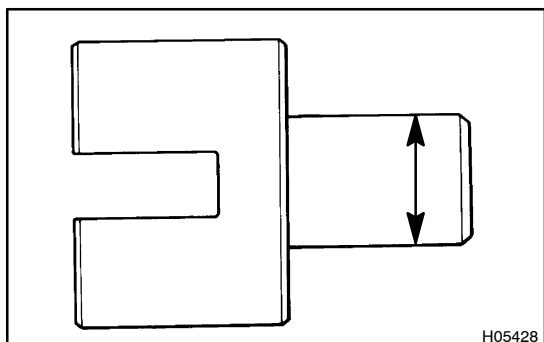
- Install the one-way clutch
(See [page WI-13](#))
- Install the outer clutch and turn it. Then the outer clutch turns freely counterclockwise and locks clockwise.
- If necessary, replace the one-way clutch.



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4. INSPECT OUTER CLUTCH

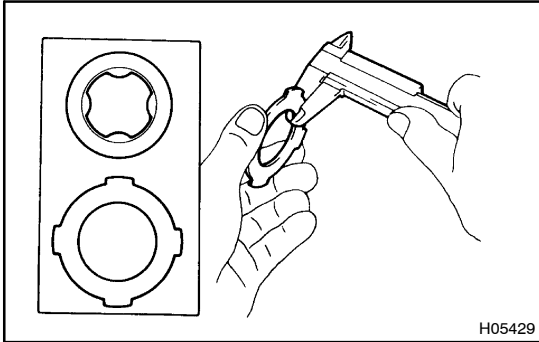
- Using a caliper gauge, measure the bushing bore.
Standard bore: 12.00 mm (0.4724 in.)
Maximum bore: 12.03 mm (0.4736 in.)



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- Inspect the outer clutch for wear or damage.
If necessary, replace the drive shaft.

Standard outer diameter: 27.77 mm (1.0933 in.)



5. INSPECT CLUTCH OUTER DISC AND INNER DISC

Using vernier calipers, measure the thickness of clutch outer disc and inner disc.

Outer disc:

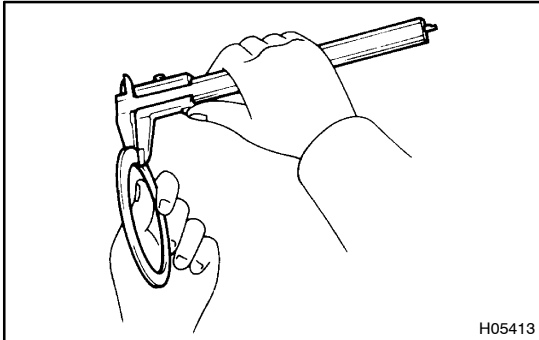
Standard thickness: 1.60 mm (0.0630 in.)

Minimum thickness: 1.50 mm (0.0591 in.)

Inner disc:

Standard thickness: 2.30 mm (0.0906 in.)

Minimum thickness: 2.20 mm (0.0866 in.)

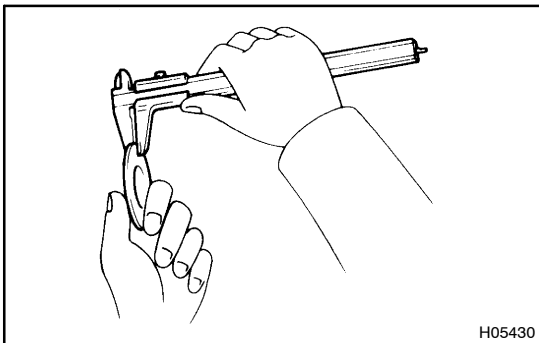


6. INSPECT DRUM SPACER NO.2

Using vernier calipers, measure the thickness of drum spacer No.2.

Standard thickness: 1.4 mm (0.0551 in.)

Minimum thickness: 1.3 mm (0.0512 in.)



7. INSPECT INPUT SHAFT THRUST WASHER AND CLUTCH THRUST WASHER

Using vernier calipers, measure the thickness of thrust washers.

Input shaft thrust washer:

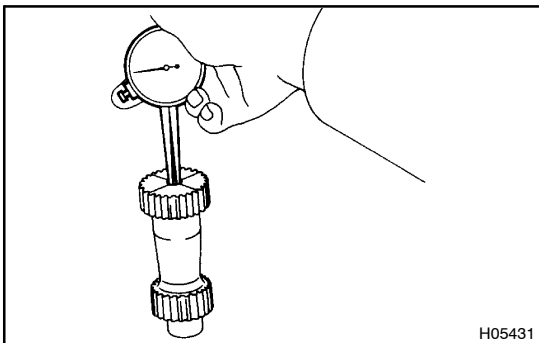
Standard thickness: 2.00 mm (0.0787 in.)

Minimum thickness: 1.90 mm (0.0748 in.)

Clutch thrust washer:

Standard thickness: 1.25 mm (0.0492 in.)

Minimum thickness: 1.15 mm (0.0453 in.)



8. INSPECT OUTPUT SHAFT

(a) Using a caliper gauge, measure the bushing bore.

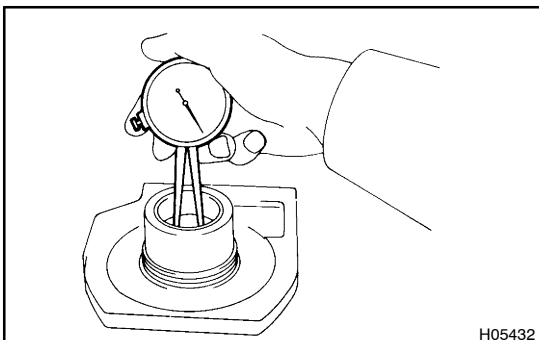
Standard bore: 12.00 mm (0.4724 in.)

Maximum bore: 12.03 mm (0.4736 in.)

(b) Using vernier calipers, measure the outer diameter of the bushing.

Standard diameter: 28.00 mm (1.1024 in.)

Minimum diameter: 27.60 mm (1.0866 in.)

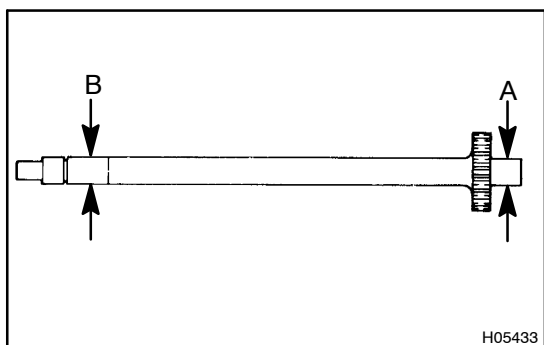


9. INSPECT BRAKE CASE

Using a caliper gauge, measure the bushing bore.

Standard bore: 27.76 mm (1.0929 in.)

Maximum bore: 27.82 mm (1.0953 in.)

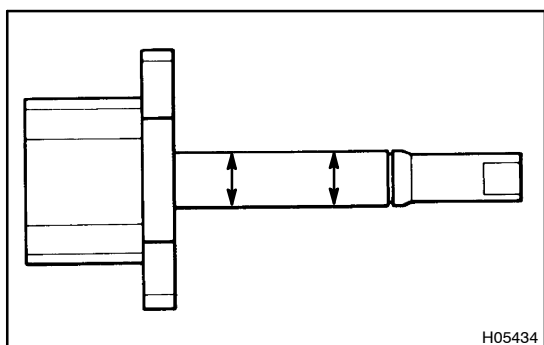
**10. INSPECT DRIVE SHAFT**

- (a) Inspect the drive shaft for wear or damage the drive shaft.
- (b) Using a micrometer, measure the outer diameter of the drive shaft.

Minimum outer diameter:

Part A: 11.86 mm (0.4669 in.)

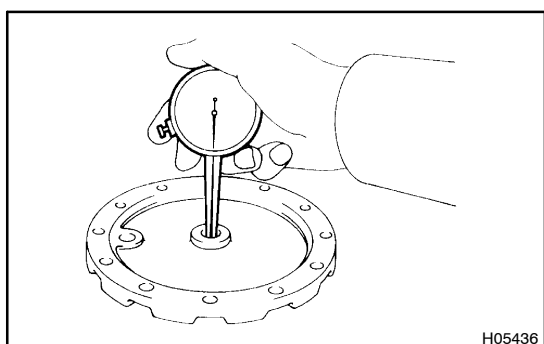
Part B: 11.96 mm (0.4709 in.)

**11. INSPECT CLUTCH INPUT SHAFT**

Inspect the clutch input shaft for wear or damage.

Standard outer diameter: 11.96 mm (0.4709 in.)

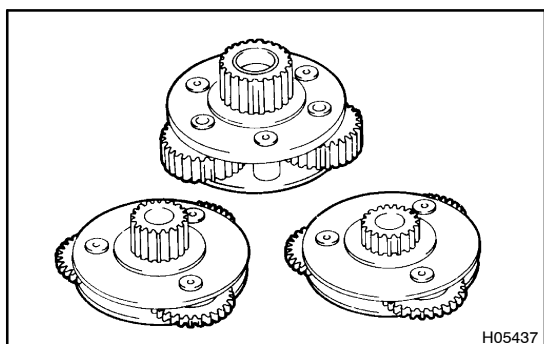
If damage, replace the clutch input shaft.

**12. INSPECT WINCH GEAR CASE COVER**

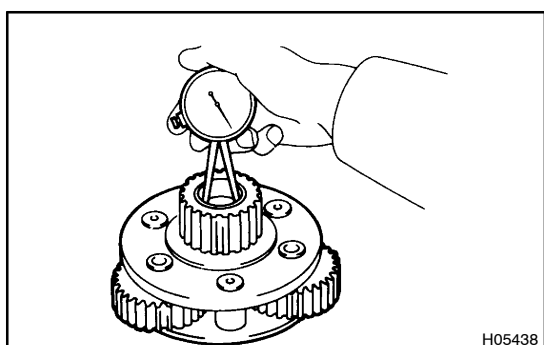
Using a caliper gauge, measure the busing bore.

Standard bore: 12.00 mm (0.4724 in.)

Maximum bore: 12.03 mm (0.4736 in.)

**13. INSPECT PLANETARY GEAR NO.1, NO.2 AND NO.3**

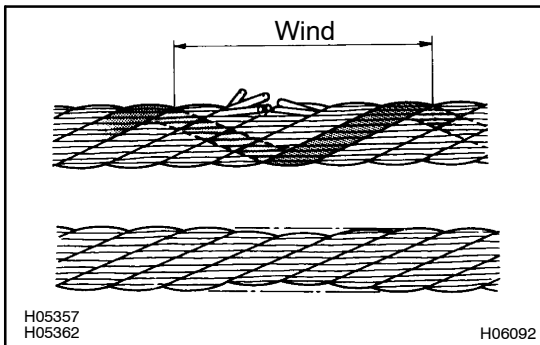
- (a) Check that the bearing rotates smoothly.



- (b) Using a caliper gauge, measure the bushing bore of the planetary gear No.3.

Standard bore: 28.00 mm (1.1024 in.)

Maximum bore: 28.05 mm (1.1043 in.)

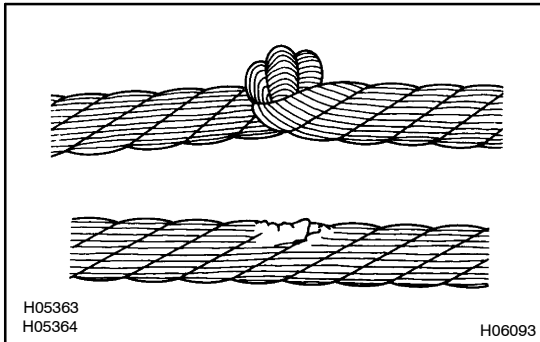


14. INSPECT WINCH WIRE

Inspect the winch wire for the following items.

If damage, replace the winch wire.

- Wire with more than 12 severed strands per wind.
- Wire with more diameter of less than 7.5 mm (0.295 in.)



- Kinks
- Corrosion
- Fraying