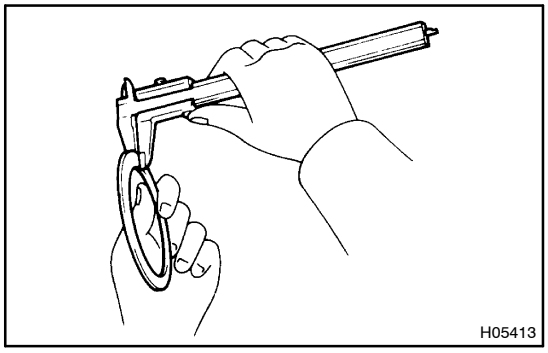
WI00L–01

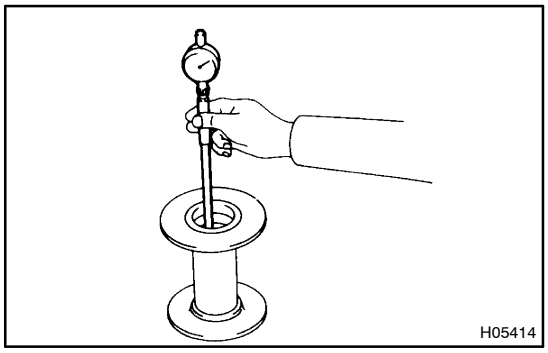
INSPECTION



1. INSPECT WINCH DRUM NO.1 SPACER

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

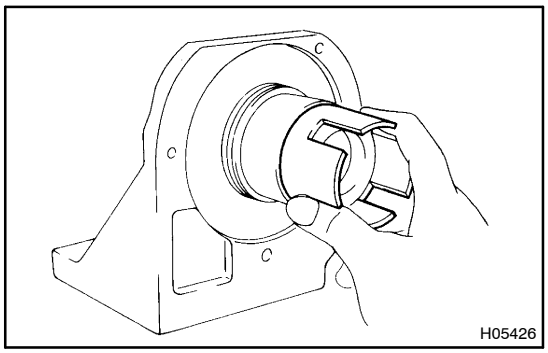
Standard thickness: 1.4 mm (0.0551 in.)
Minimum thickness: 1.3 mm (0.0512 in.)



2. INSPECT WINCH DRUM

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

Standard bore: 64.20 mm (2.5276 in.)
Maximum bore: 64.36 mm (2.5339 in.)

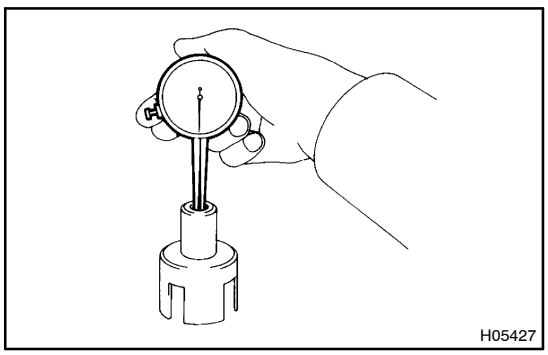


3. INSPECT ONE–WAY CLUTCH

(a) Install the one–way clutch
(See page WI–13).

(b) Install the outer clutch and turn it. Then the outer clutch turns freely counterclockwise and locks clockwise.

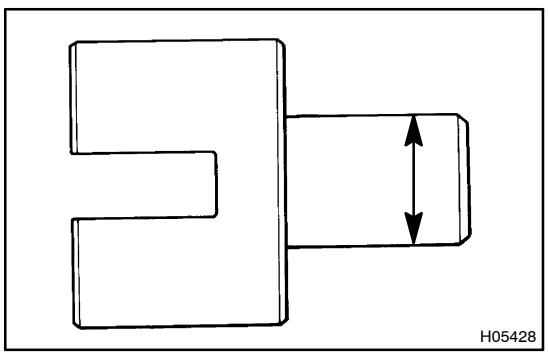
(c) If necessary, replace the one–way clutch.



4. INSPECT OUTER CLUTCH

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

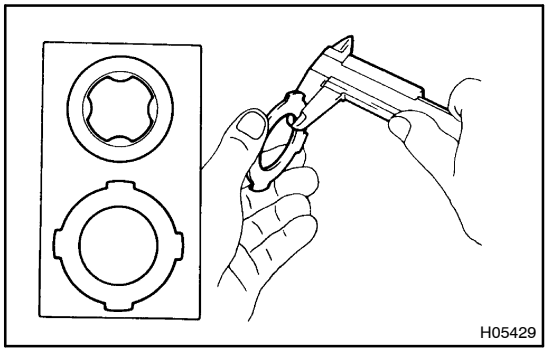
Standard bore: 12.00 mm (0.4724 in.)
Maximum bore: 12.03 mm (0.4736 in.)



(b) Inspect the outer clutch for wear or damage.

If necessary, replace the drive shaft.

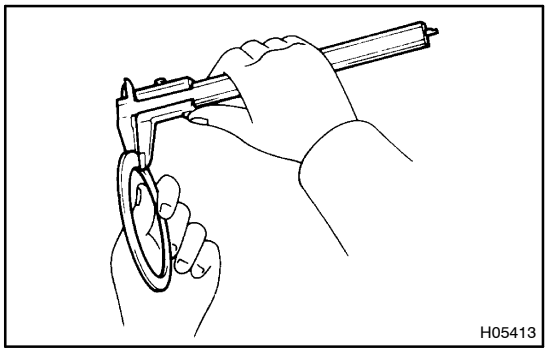
Standard outer diameter: 27.77 mm (1.0933 in.)



5. INSPECT CLUTCH OUTER DISC AND INNER DISC

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

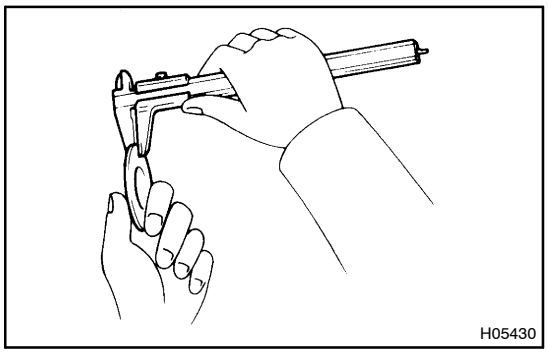
Outer disc:
Standard thickness: 1.60 mm (0.0630 in.)
Minimum thickness: 1.50 mm (0.0591 in.)
Inner disc:
Standard thickness: 2.30 mm (0.0906 in.)
Minimum thickness: 2.20 mm (0.0866 in.)



6. INSPECT DRUM SPACER NO.2

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

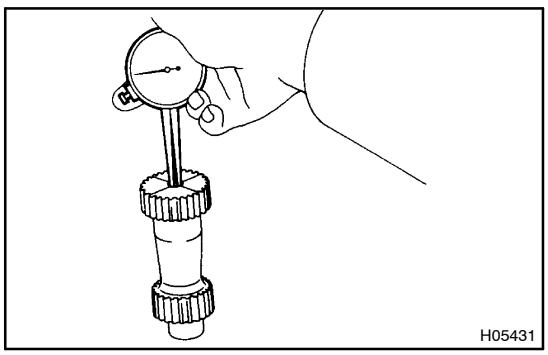
Standard thickness: 1.4 mm (0.0551 in.)
Minimum thickness: 1.3 mm (0.0512 in.)



7. INSPECT INPUT SHAFT THRUST WASHER AND CLUTCH THRUST WASHER

Using vernier calipers, measure the thickness of thrust washers.

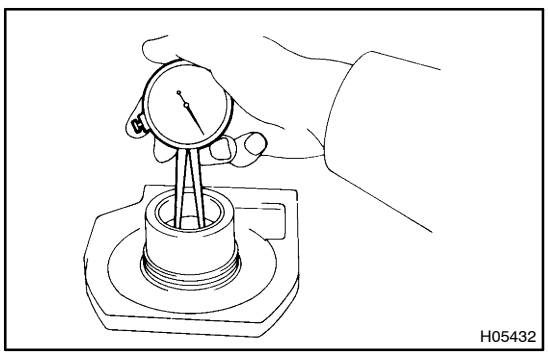
Input shaft thrust washer:
Standard thickness: 2.00 mm (0.0787 in.)
Minimum thickness: 1.90 mm (0.0748 in.)
Clutch thrust washer:
Standard thickness: 1.25 mm (0.0492 in.)
Minimum thickness: 1.15 mm (0.0453 in.)



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.)

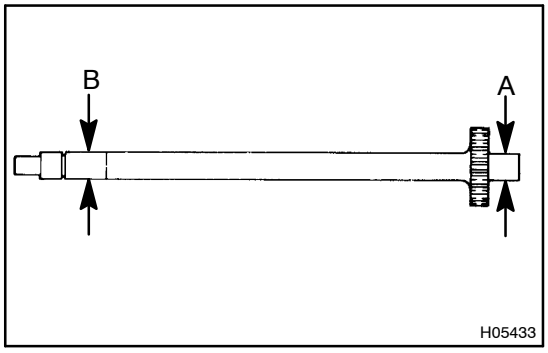
(b) Using vernier calipers, measure the outer diameter of the bushing.
Standard diameter: 28.00 mm (1.1024 in.)
Minimum diameter: 27.60 mm (1.0866 in.)



9. INSPECT BRAKE CASE

Using a caliper gauge, measure the busing bore.

Standard bore: 27.76 mm (1.0929 in.)
Maximum bore: 27.82 mm (1.0953 in.)

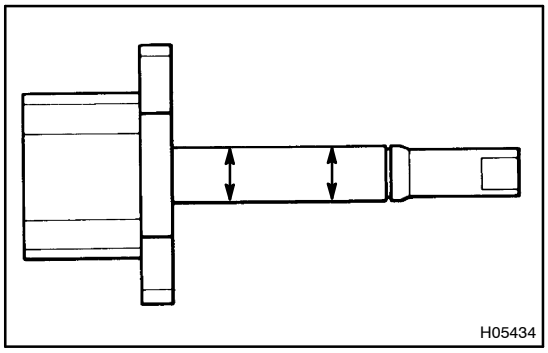


10. INSPECT DRIVE SHAFT

(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.)

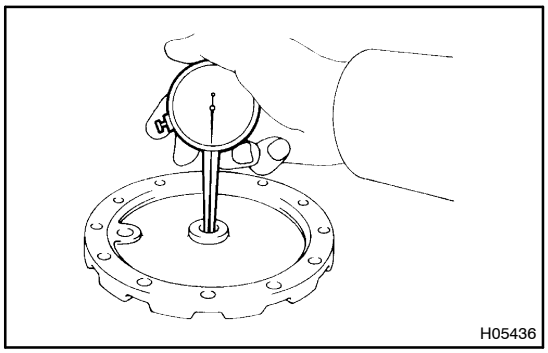


11. INSPECT CLUTCH INPUT SHAFT

Inspect the clutch input shaft for wear or damage.

Standard outer diameter: 11.96 mm (0.4709 in.)

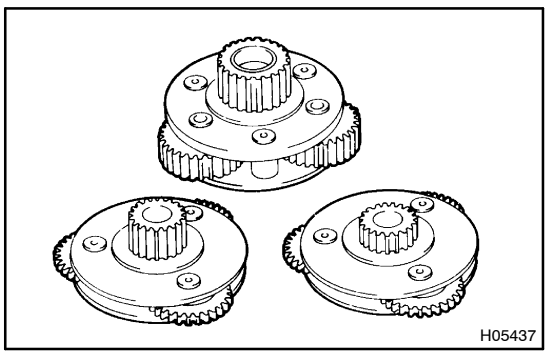
If damage, replace the clutch input shaft.



12. INSPECT WINCH GEAR CASE COVER

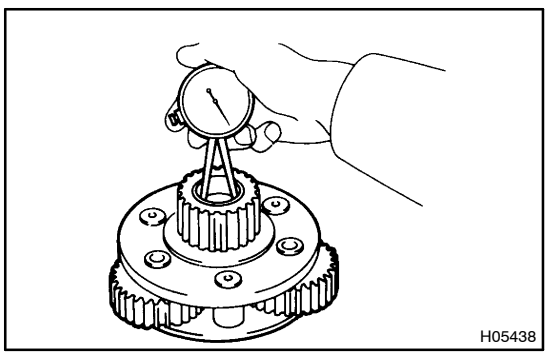
Using a caliper gauge, measure the busing bore.

Standard bore: 12.00 mm (0.4724 in.)
Maximum bore: 12.03 mm (0.4736 in.)



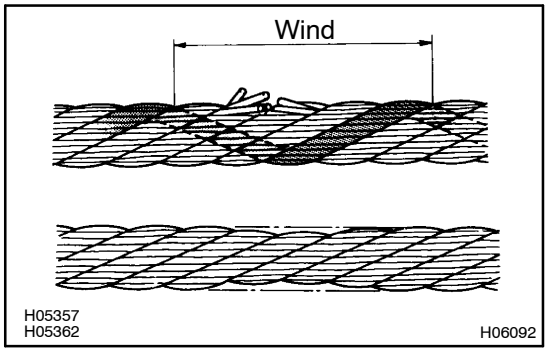
13. INSPECT PLANETARY GEAR NO.1, NO.2 AND NO.3

(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.)

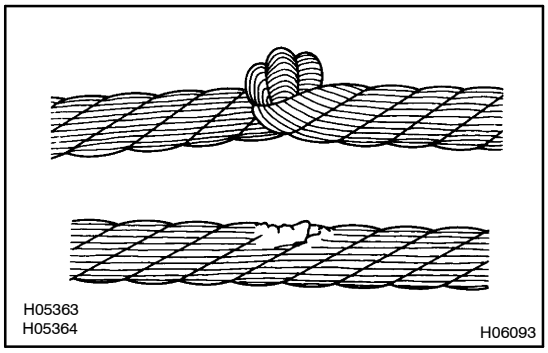


14. INSPECT WINCH WIRE

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