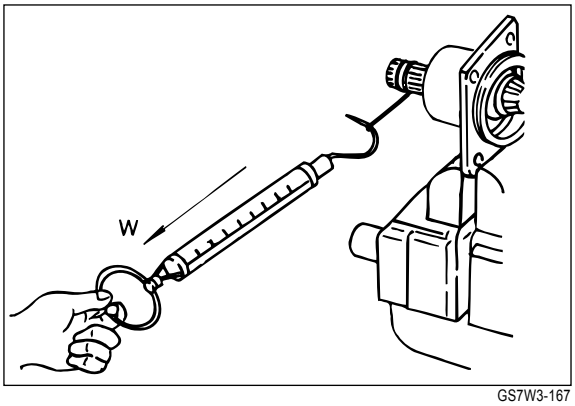
7.3.1 Assembly of Front Axle Assembly

1 Apply lithium grease to the bush of the front and rear brackets for assembly.

2 Screw and crimp the nut in the condition which the front bracket is set with slight backlash, none excessive.

3 Apply adhesives equivalent to Alteco CN4 to the breather pipe and press it.



GS7W3-167

4 Assembly of Pinion Shaft

1. Adjust the preload for pinion shaft within 0.39 to 0.59N•m {4 to 6kgf•cm, 28.9 to 43.4lbf•ft} (at oil seal assembling) by tightening the nut.
   Crimp the nut after adjustment.

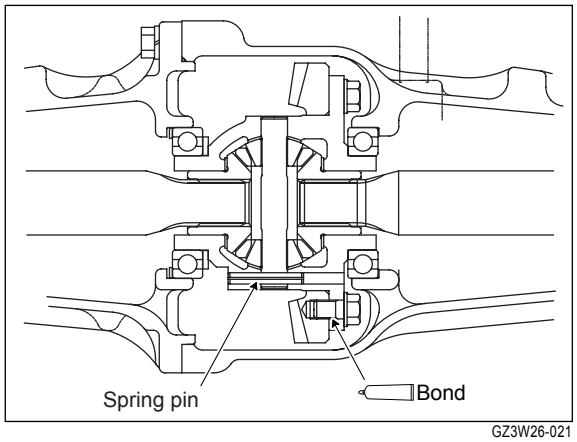
⚠ CAUTION

As an easier method for measuring the preload, after temporarily tightening the nut, wind the shaft of pinion shaft with rope and pull with spring balance. (F = 39.2 - 58.8N {4.0 to 6.0kgf, 8.8 - 13.2lbf})

2. Measure the H measurement and adjust to have H - 16mm {0.63in} = Liner Thickness with the liner "J".
3. Placing direction of the oil seal for pinion shaft shall be as shown in the figure. (Spring stays inside.)

(Unit: mm {in})

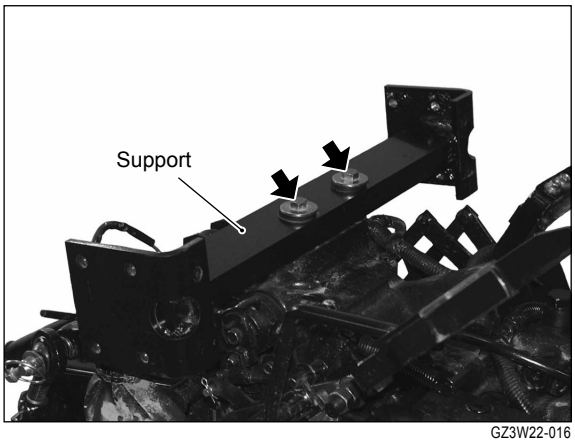
Item	Thickness	Usable Limit
Liner "J"	0.10 {0.004}	1023 2136 001
	0.20 {0.008}	1023 2137 001
	0.40 {0.016}	1023 2138 001



GZ3W26-021

5 Assembly of Deferential Case Assembly

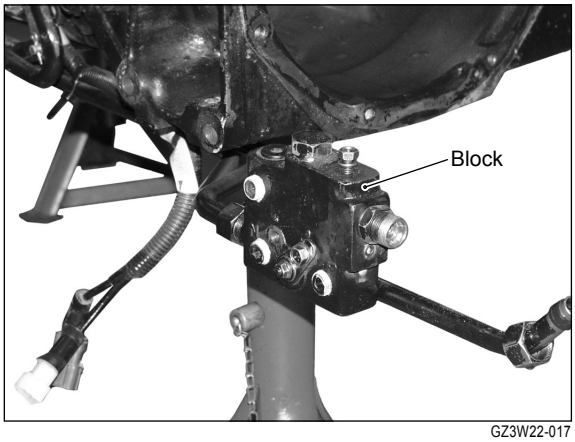
1. Make sure the backlash for the pinion gear and side gear is within 0.10 to 0.30mm {0.004 to 0.012in}.
2. Apply adhesives equivalent to Threebond #1374 to the locking bolt for the ring gear and tighten with torque at 68.6 to 78.5N•m {7 to 8kgf•cm, 50.6 to 57.9lbf•ft}.
3. Place the spring pin with the slit toward as shown in the figure. (Vertical to the shaft)
4. Apply lubricant (MOS_2) to the gears and assemble it.



GZ3W22-016

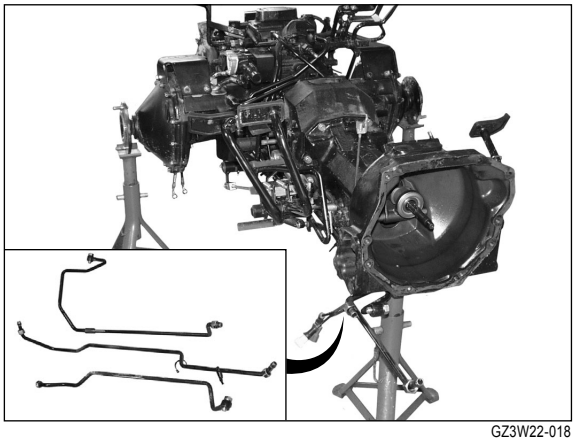
10. Remove the support by removing the fixing bolts of the support.

3 Removal of Clutch Housing Assembly

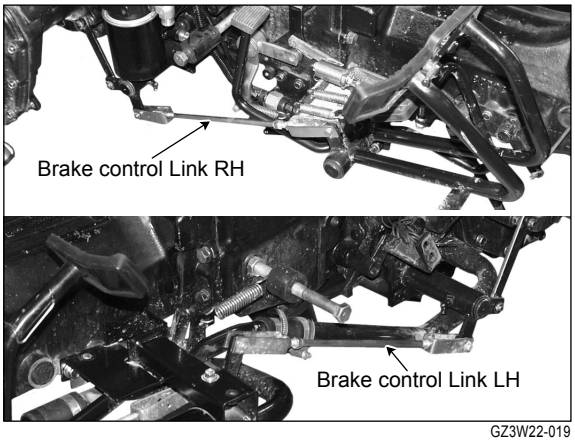


GZ3W22-017

1. Remove the block.
   1) Disconnect the hydraulic pipe from the block.
   2) Remove the block by removing the mounting bolt of block.


GZ3W22-018

2. Remove the pipe.



GZ3W22-019

3. Remove the brake control link RH and LH.
   1) Remove the cottor pin from clevis pin the end of brake control link RH and LH.
   2) Remove the brake control link RH and LH.