Disassembly and Assembly
966K and 972K Wheel Loaders Power Train

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i03916671

Limited Slip Differential - Assemble

SMCS - 3263-016

Assembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	1U-9895	Crossblock	1
	1U-5477	Driver Ring	1
	1P-0526	Drive Plate[1]	1
	7X-2556	Bolt	1
	9X-8257	Washer	1
	8T-4132	Nut	1
	7X-2546	Bolt	2
	8T-4121	Hard Washer	2
	8T-4223	Hard Washer	2
	9X-8257	Washer	2
B	8T-5096	Dial Indicator Gp	1

[1] Part of **1P-0520** Driver Gp

1. Clean all parts of the differential and inspect the parts. Replace any parts that are worn or damaged.

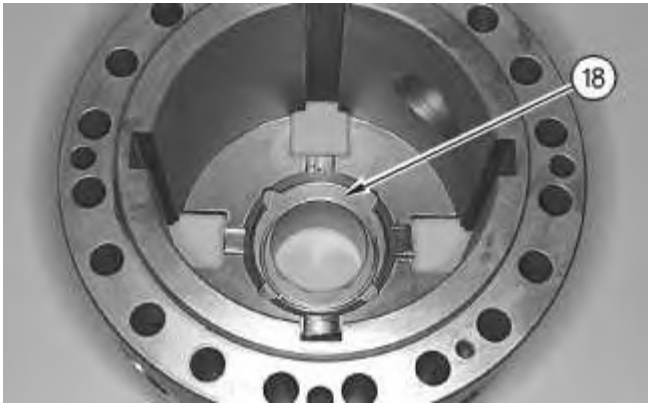Illustration 1   g00333101

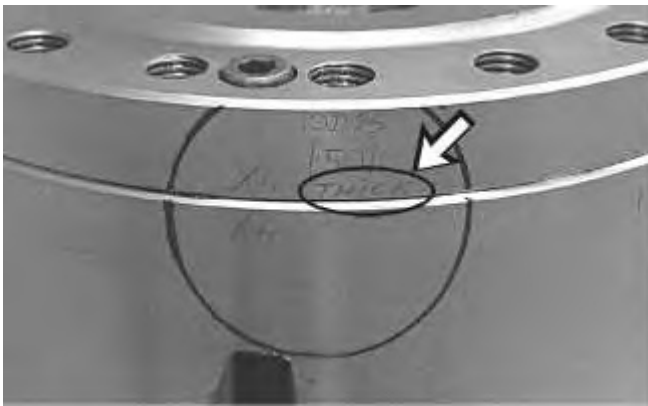2. Install thrust washer (18). Apply clean axle oil to the face of the thrust washer.

Illustration 2   g00333298

Note: Replace the disc pack if the stack heights of the two disc packs are not symmetrical within 0.10 mm (0.004 inch). Also replace the disc pack if the friction material is worn and areas of the friction discs are allowing steel to contact steel. Make sure that the correct disc packs are used for replacement according to the description on the differential case cover. If "THIN" is marked on the cover, use two thin disc packs. If "THICK" is marked on the cover, use two thick disc packs. **Do not use one disc of each size.**

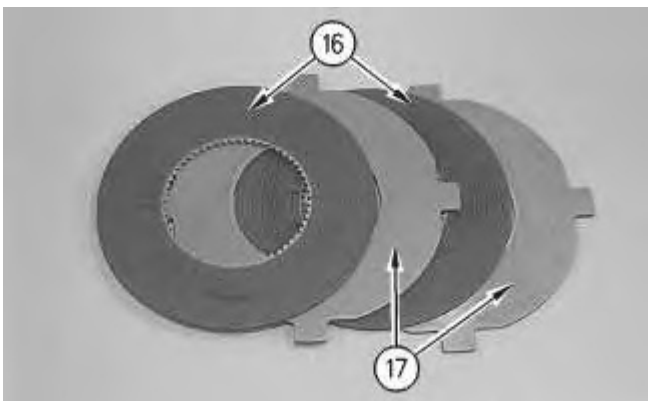Illustration 3   g00342357
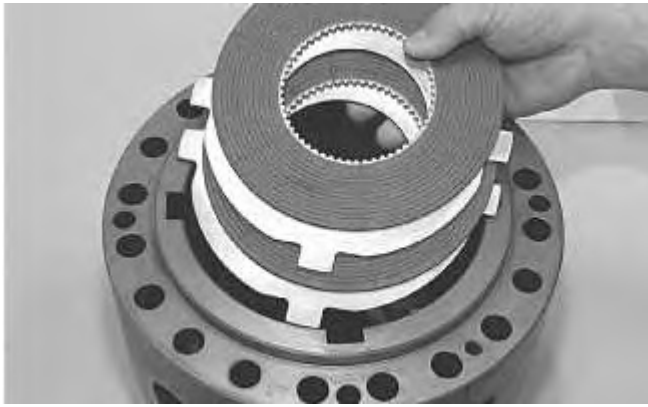
Illustration 4   g00333100

3. Thoroughly apply clean axle oil on the plates and on the friction discs. Install two friction discs (16) and two plates (17) in the case housing in alternating order. Start with a plate.

Illustration 5   g00342353

Illustration 6   g00342352

4. Align the tabs on actuator housing (15) with the slots in the case housing. Install actuator housing (15) in the case housing.

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