



Service Repair Manual

Models

621F WHEEL SCRAPER

Product: WHEEL TRACTOR

Model: 621F WHEEL TRACTOR 4SK

Configuration: 621F Wheel Tractor Scraper 4SK00001-UP (MACHINE) POWERED BY 3406 Engine

Disassembly and Assembly 621F, 623F & 627F TRACTORS POWER TRAIN

Media Number -SEN6804-01

Publication Date -01/01/2005

Date Updated -05/01/2017

SEN68040028

Differential

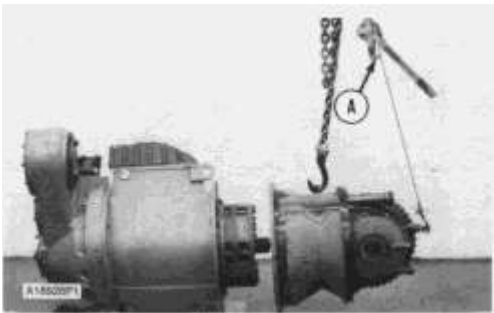
SMCS - 3006-029; 3258-015; 3258-016

Separate & Connect Differential From Transmission

Tools Needed		A
8S-9906	Ratchet Puller	1

Start By:

- a. remove transfer gears, torque converter, transmission and differential



1. Install a 1/2 " - 13 NC forged eyebolt in the differential. Fasten a hoist to the differential as shown. Use Tool (A) for additional support.
2. Remove the four bolts that hold the differential to the transmission.
3. Remove the differential. The weight of the differential is **408 kg (900 lb)**.
4. Remove the O-ring seal from the differential carrier assembly.

NOTE: The following steps are for connecting the differential to the transmission.

5. Check the condition of the O-ring seal used in the differential carrier assembly. If the seal is damaged, use a new part for replacement. Install the O-ring seal in the differential carrier assembly.
6. Put the differential in position on the transmission with a hoist and Tool (A).
7. Install the four bolts that hold the differential to the transmission. Remove the hoist and Tool (A).

End By:

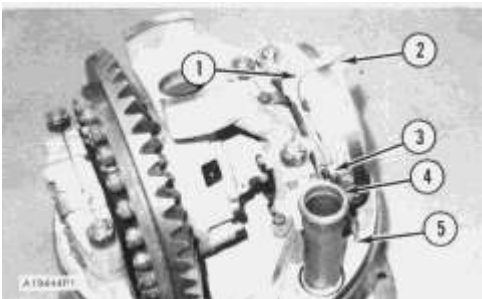
- a. install transfer gears, torque converter, transmission and differential

Disassemble Differential

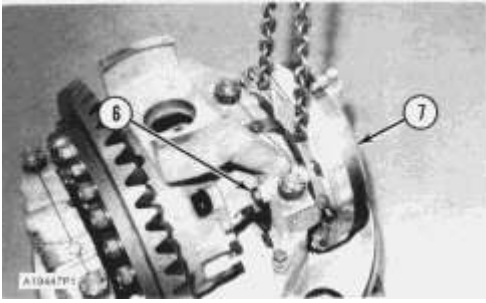
Tools Needed		A	B	C	D
2P-8312	Retaining Ring Pliers	1			
1P-0510	Driver Group		1	1	
5F-7343	Puller Assembly			1	
1H-3107	Push Puller			1	1
6V-3160	Cylinder Group			1	
1H-3108	Leg				2
1H-3112	Bearing Cup Pulling Attachment				1
4C-4865	Manual Pump Group			1	

Start By:

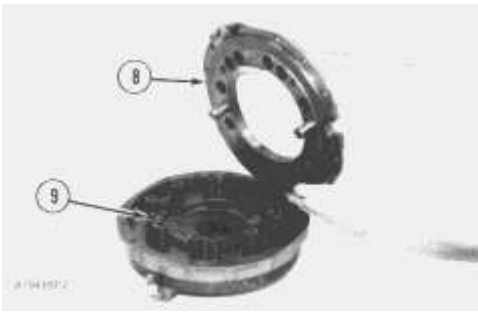
- a. separate differential from transmission



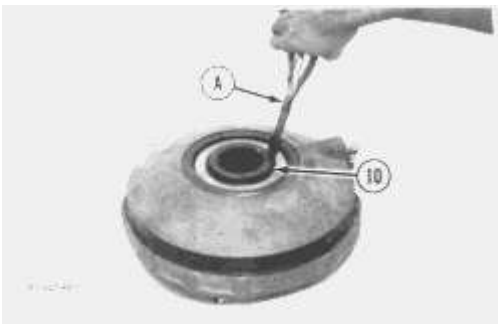
1. Remove clip (3). Disconnect hose assembly (1) at connector (2) and union (5). Remove the hose assembly.
2. Remove tube assembly (4).



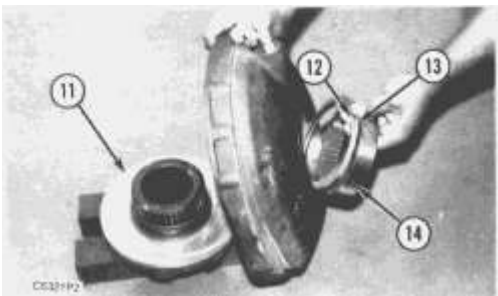
3. Fasten a hoist to differential lock (7) as shown. Remove four bolts (6). Remove the differential lock. Weight of the differential lock is **39 kg (85 lb)**.



4. Remove the self locking bolts that hold cylinder (8) in position. Remove the cylinder. Remove 12 springs (9).



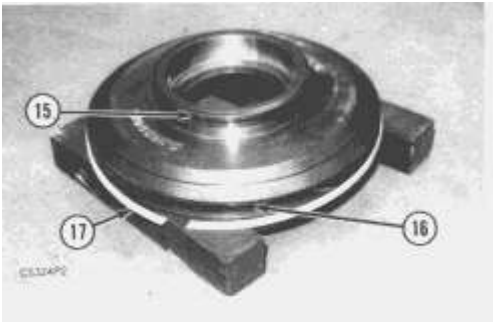
5. Turn the cylinder over as shown. Remove snap ring (10) with Tool (A).



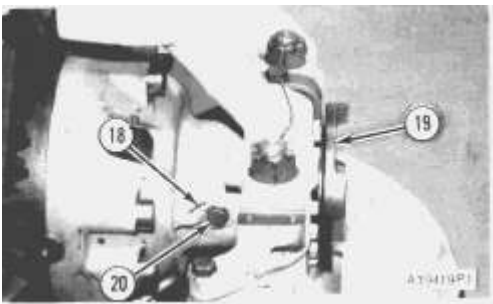
6. Remove clutch jaw (11), thrust washers (12) and (13) and spacer (14) from the cylinder.



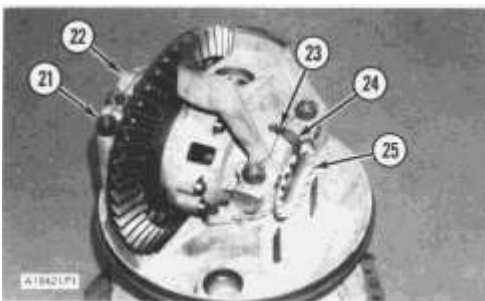
7. Remove the piston from the cylinder with Tooling (B).



8. Remove ring (17), piston seal (16) and piston seal (15) from the piston.



9. Remove lockwire (18) from bolts (20). Remove bolts (20) and clutch jaw (19).



10. Remove lockwire from bolt (23). Remove the bolt, washer and lock (24). Remove adjusting ring (25).

11. Remove the adjusting ring from the other side of the differential as in Step 10.

12. Put identification marks on both bearing caps for installation purposes.

13. Remove bolts (21), the washers and bearing caps (22) from the differential carrier assembly.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com