



Service Repair Manual

Models

621E WHEEL TRACTOR

Product: WHEEL TRACTOR

Model: 621E WHEEL TRACTOR 6AB

Configuration: 621E Wheel Tractor-Scraper 6AB01428-UP (MACHINE) POWERED BY 3406 Engine

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

Media Number -SEN3303-01

Publication Date -01/02/1991

Date Updated -10/03/2010

SEN33030027

Differential

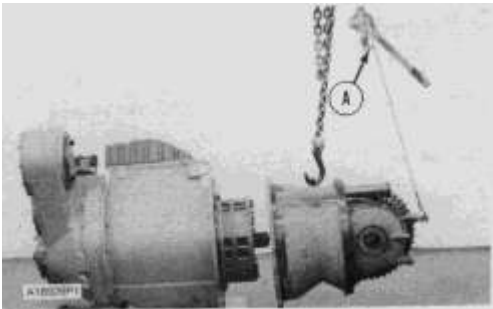
SMCS - 3006-076; 3006-077; 3258-015; 3258-016

Separation Of Differential From Transmission

Tools Needed		A
8S9906	Ratchet Puller	1

Start By:

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



1. Install a 1/2" - 13 NC forged eyebolt in the differential and fasten a hoist. Use tool (A) for an added support.
2. Remove the four bolts that hold the differential to the transmission.
3. Remove the differential. Weight of the differential is approximately **408 kg (900 lb.)**.

Connection Of Differential To Transmission

Tools Needed		A
8S9906	Ratchet Puller	1

1. Put the differential in position on the transmission with a hoist and tool (A).
2. 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 as a unit.

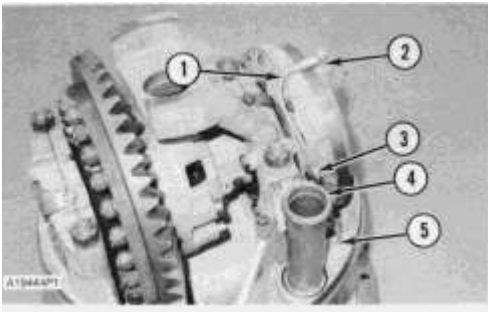
Disassemble Differential

Tools Needed		A	B	C	D	E	F	G
2P8312	Snap Ring Pliers	1						
1P510	Driver Group		1	1	1		1	1
5F7343	Bearing Pulling Attachment			1	1			1
1H3107	Puller Assembly			1	1	1		1
7F9540	Puller Assembly			1	1			1
1H3108	Leg					2		
1H3112	Bearing Cup Puller Attachment					1		
1P531	Handle						1	
5P3100	Pump Group		1	1				1

Tools Needed		H
5F7343	Bearing Pulling Attachment	1
1H3107	Puller Assembly	1
7F9540	Puller Assembly	1
1P520	Driver Group	1
5P3100	Pump Group	1

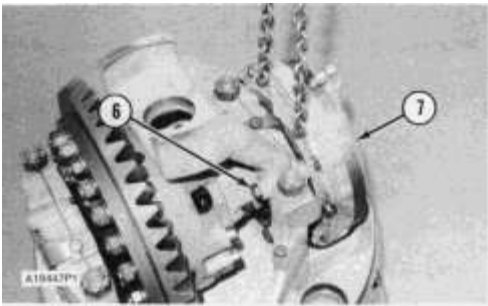
Start By:

- a. separation of differential from transmission

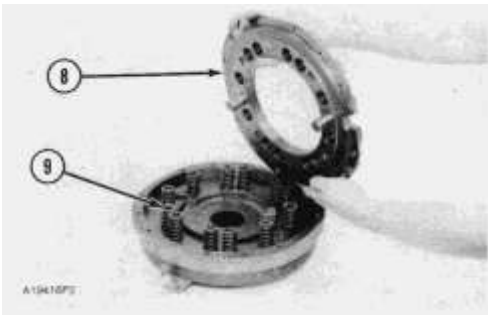


1. Remove clip (3). Disconnect hose assembly (1) at connector (2) and union (5). Remove the hose assembly.

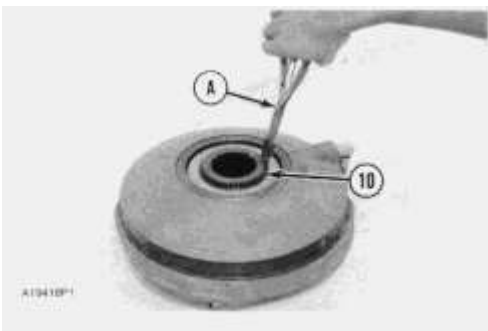
2. Remove tube assembly (4).



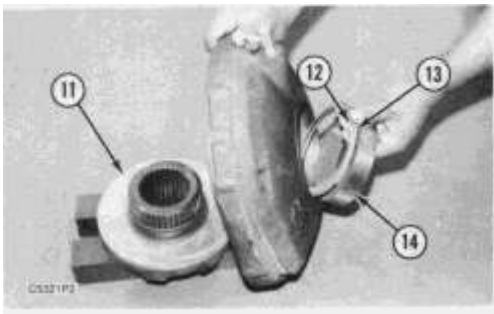
3. Fasten a hoist to differential lock (7) as shown. Remove four bolts (6). Remove the differential lock. Weight of the differential lock is **39 kg (86 lb)**.



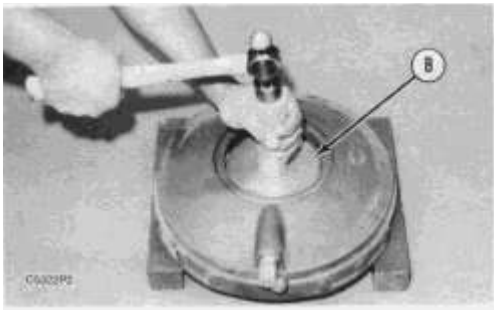
4. Remove the bolts that hold housing (8) in position. Remove the housing. Remove springs (9).



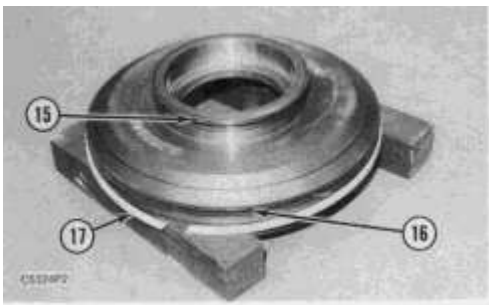
5. Turn the cylinder over as shown. Remove snap ring (10) with tool (A).



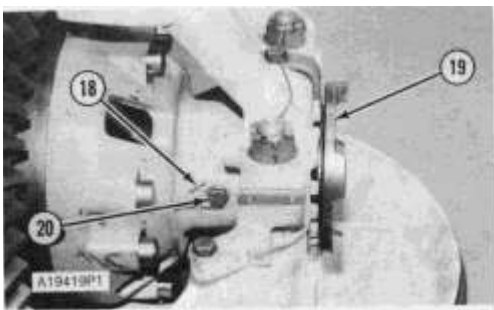
6. Remove jaw (11), washers (12) and (13) and spacer (14) from the cylinder.



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



8. Remove ring (17), O-ring seal (16) and O-ring seal (15) from the piston. Check the condition of the seals and ring. If the parts have damage, use new parts for replacement.



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

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