



Service Repair Manual

Model

322 322L EXCAVATOR

Product: EXCAVATOR

Model: 322 L EXCAVATOR 8CL

Configuration: 322 322L TRACK-TYPE EXCAVATORS 8CL00001-UP (MACHINE) POWERED BY 3116 ENGINE

Disassembly and Assembly

322, 322 L, 322 N & 322 LN EXCAVATORS MACHINE SYSTEMS

Media Number -SEN6159-01

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SEN61590017

Track Assemblies

SMCS - 4170-076; 4170-077

Separate Track Assemblies

Tools Needed	A	B
5P-6214 Track Block Assembly	1	
1U-7630 Socket		1

1. Put the machine on a flat level floor.



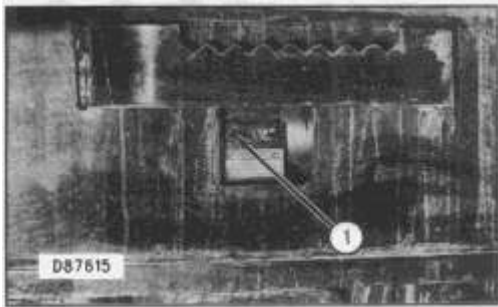
WARNING

The grease in the track adjusting cylinder is under high pressure. Grease coming out of the relief valve of the track adjuster, which is under high pressure, can penetrate the body causing personal injury or death. When loosening the tension on the track assembly, loosen the relief valve only one turn. Do not visually inspect the relief valve to see if grease is being released from the track adjuster. Instead, watch the track assembly to see if it loosens. If the track assembly does not loosen, move the machine forward and backward to release the tension.

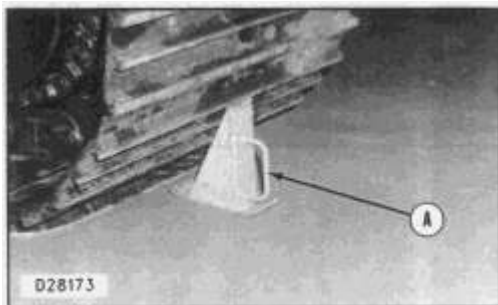
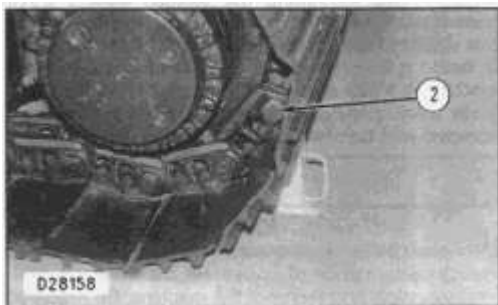
NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair

of the machine. Be prepared to collect the fluid with suitable containers before opening any compartment containing fluids. Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide", for tools and supplies suitable to collect and contain fluids in Caterpillar machines. Dispose of all fluids according to local regulations and mandates.

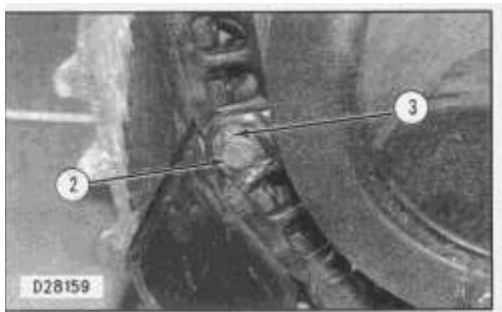


2. Release the tension on the track assembly. Loosen relief valve (1) for the track adjuster only one turn. If the track assembly does not loosen after opening the relief valve, move the machine forward and backward until the tension is released.



NOTE: To provide additional clearance for removal of the master pin, the track shoe on each side of the master pin can be removed. Use Tool (B) to remove the track shoe mounting bolts.

3. Move the track assembly until master pin (2) is in the approximate position shown. Put Tool (A) under the track grouser as shown, and move the track onto the tool.



WARNING

To prevent possible personal injury during removal of the master pin, keep away from the area outside the track assembly near the master pin. The master pin may come out of the track links with force during the removal procedure.

NOTE: The track bushings will fall out of the track links when the track assembly is separated.

4. Remove cotter pin (3) from the master pin. Use a hammer and punch to remove master pin (2) from the track links. Separate the track links, and locate the two track bushings. Move the machine slowly forward to move the track assembly off of the sprocket, track carrier rollers and front idler.
5. Fasten a hoist to the rear of the track assembly. Raise the track assembly off of Tool (A), and remove the tool from under the track assembly. Lower the rear of the track assembly to the floor.

Connect Track Assemblies

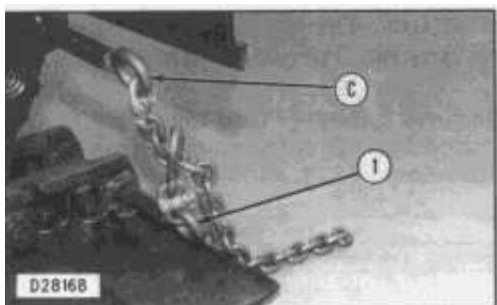
Tools Needed		A	B	C	D	E
1P-3545	Chain Coupling Tool Group	1				
1P-3533	Carrier Bar		1			
1P-7402	Coupling Tool Group			1		
5P-6214	Track Block Assembly				1	
1U-7630	Socket					1



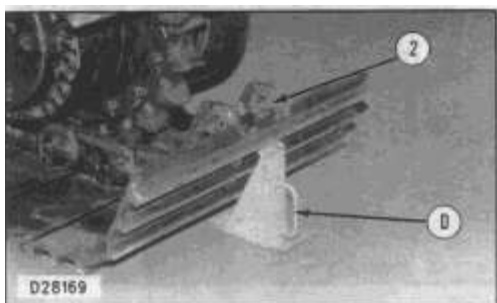
1. Install Tooling (A) in the track link and on the sprocket as shown.
2. Start the machine. Move the sprocket forward until the track assembly is pulled up on the sprocket and the end of the track assembly is forward of a vertical line through the center of the sprocket. Remove Tooling (A).



3. Install Tool (B) between the first bushing in the track link and the sprocket as shown.
4. Move the sprocket forward. Use Tool (B) to guide the track assembly over the carrier rollers and the front idler.



5. Install Tool (C) and pin (1) from Tooling (A) between the links in the ends of the track assembly as shown.



6. Move the track assembly forward or backward until the separation in the track assembly is below a horizontal line through the center of the sprocket.
7. Apply **5P-0960** Multipurpose Grease on two track bushings (2), and install them in the track links as shown. The grease will hold the bushings in place.
8. Install Tool (D) under the rear of the track assembly as shown. Move the track assembly backwards until the separation in the track assembly closes and the pin bores in both ends of the track assembly are in alignment with each other. The machine may have to be moved back and forth to align the pin bores.

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