



# Service Repair Manual

## **Models**

D5C III TRACK-TYPE TRACTOR

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Product: TRACK-TYPE TRACTOR

Model: D5C III TRACK-TYPE TRACTOR 7PS

Configuration: D5C & D5C LGP, XL Series III Hystat Tractors 7PS00001-UP (MACHINE) POWERED BY 3046 Engine

## Disassembly and Assembly D3C, D4C AND D5C SERIES III HYSTAT TRACK-TYPE TRACTOR POWER

Media Number -SEN1251-03

Publication Date -01/11/2004

Date Updated -08/04/2013

SEN12510004

### Final Drives

SMCS - 4050-015; 4050-016; 4050-011; 4050-012

### Remove Final Drives

Tools Needed		A
8T-3207	Lift Bracket	1

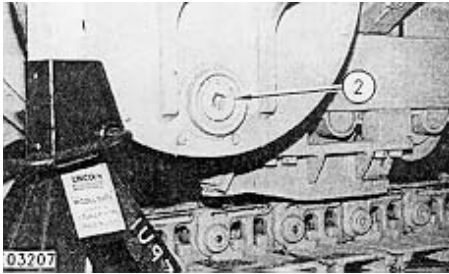
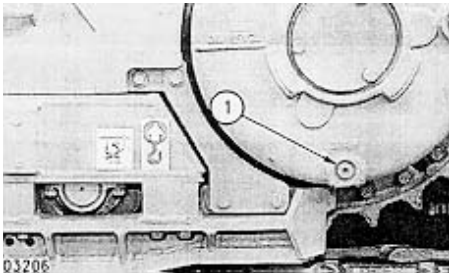
Start By:

- a. separation of tracks
- b. remove batteries

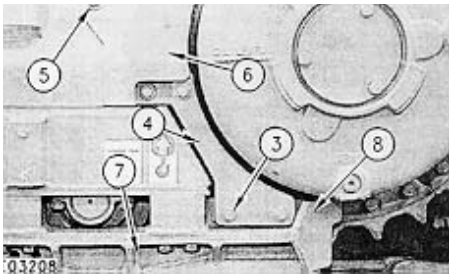
Tools Needed		A
1U-5230	Hand Pump	1
8F-0024	Hose Assembly	1
8T-8902	Tee	1
5P-3501	Adapter	1
6V-9828	Cap Assembly	1

### Fluid Spillage Containment

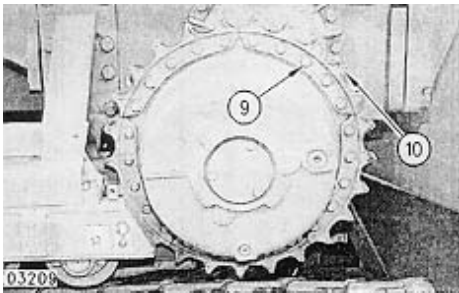
Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the machine. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids. Refer to "Tools And Shop Products Guide," NENG2500 for tools and supplies suitable to collect and contain fluids in Caterpillar machines. Dispose fluids according to local regulations and mandates.



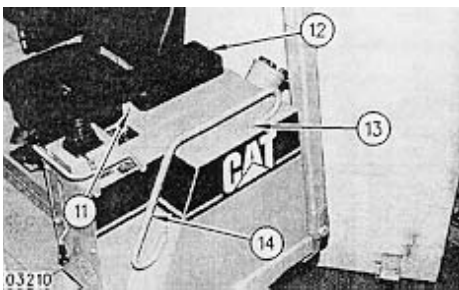
1. Remove plugs (1) and (2) and drain the fluid from the final drive. The capacity of the final drive is **20.5 L (5.5 gal U.S.)**. Install plugs (1) and (2) in the final drive.



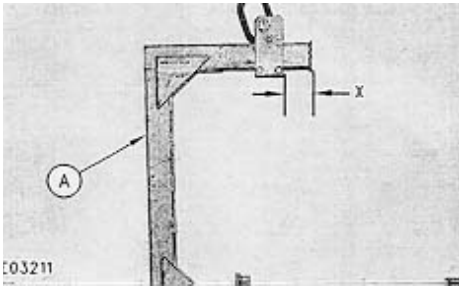
2. Remove three bolts (3), washers and guard (4). Remove three bolts (5), washers and guard (6). Remove four bolts (7), washers and guard (8).



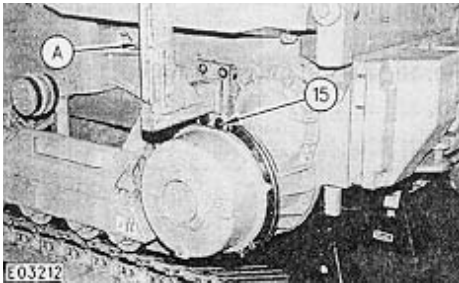
3. Remove twenty-five bolts (9) and five sprocket segments (10).



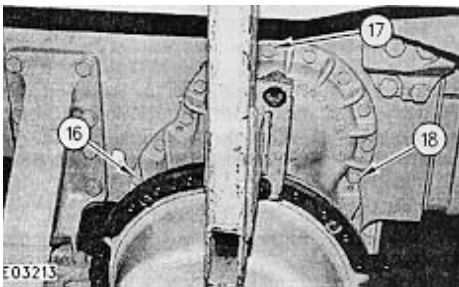
4. Remove two bolts (11) and cushion assembly (12). Remove two bolts (13) and handhold (14).



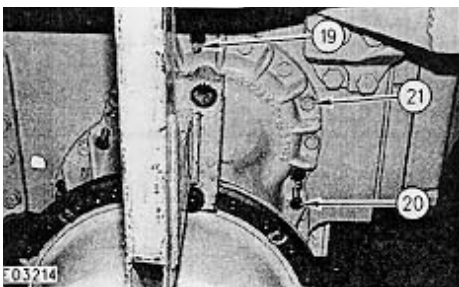
5. Adjust the bracket on Tooling (A) until dimension (X) is **225 mm (9 in)**.



6. Attach Tooling (A) to a hoist and to the final drive assembly using two  $1/2 \times 1/4 - 20 \times 2$  bolts (15) and washers.

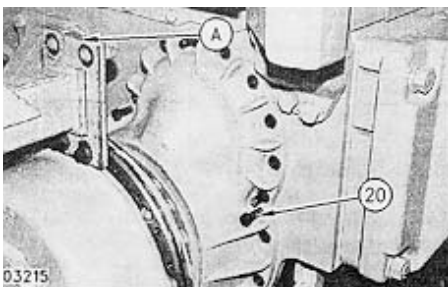


7. Remove three bolts (16), (17) and (18).

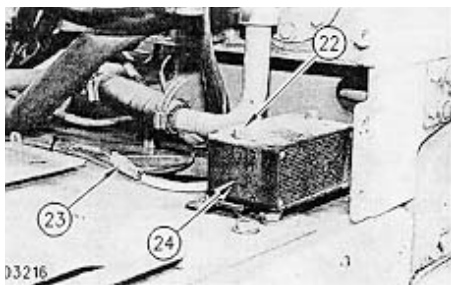


8. Install three **M16 X 7.5 cm** studs (19) and two **M16 X 50 mm** pusher bolts (20).

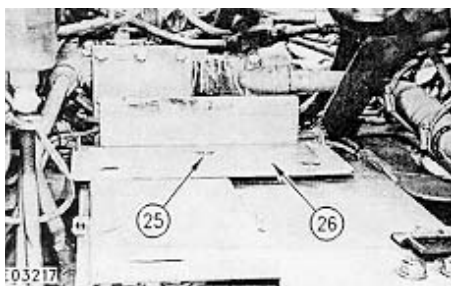
9. Remove eighteen bolts (21).



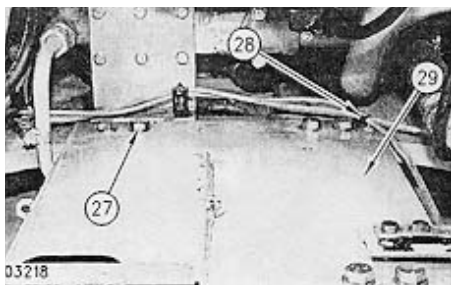
**10. Turn pusher bolts (20) and remove the final drive assembly. The final drive assembly weight is 322 Kg (710 lb).**



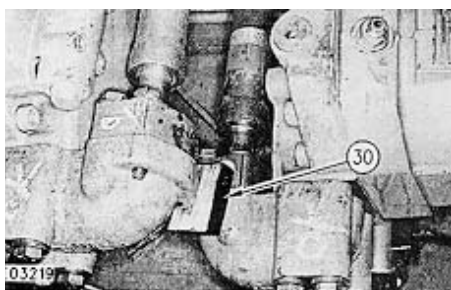
**11. Remove two bolts (22) and washers. Disconnect wire connector (23) and remove back up alarm assembly (24).**



**12. Remove three bolts (25), washers and plate (26).**



**13. Cut strap (28) and remove eight bolts (27), washers and plate (29).**



**14. Install wood block (30) between the two drive motors as shown.**

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