



Service Repair Manual

Models

D25D, D30D, D350D
ARTICULATED TRUCK

Product: ARTICULATED TRUCK

Model: D25D ARTICULATED TRUCK 1HK

Configuration: D25D, D30D, D350D ARTICULATED TRUCK 1HK00001-00673 (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly D25D,D30D AND D350D ARTICULATED DUMP TRUCKS VEHICLE SYSTEMS

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SEN82100004

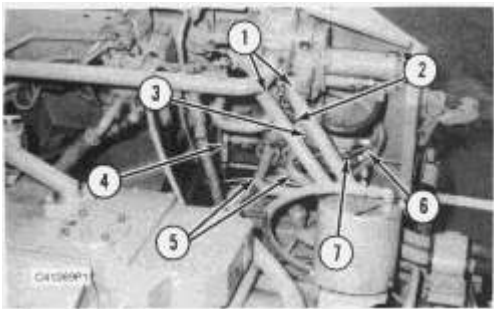
Steering Control Valve

SMCS - 4307-015; 4307-016; 4307-010

Remove & Install Steering Control Valve

NOTE: If necessary, drain the oil at least halfway down the hydraulic tank.

NOTE: Put identification on all lines, hoses and tubes for installation purposes.



1. Remove lines (1) from the hoist control valve.
2. Remove bolts and flanges (2). Remove lines (4), (5) and (6) from the steering control valve.
3. Remove mounting bolts (3) and then remove steering control valve (7). Weight of the steering control valve is **23 Kg (50 lb.)**.

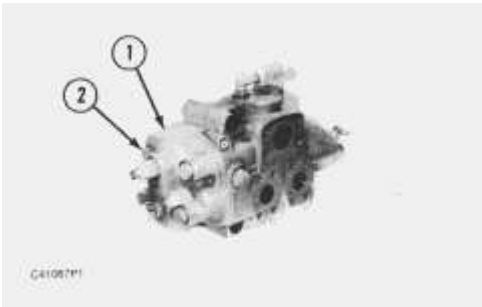
NOTE: The following steps are for the installation of the steering control valve.

4. Put steering control valve (7) in position and install the bolts (3) that hold it.
5. Install lines (4), (5) and (6) on the steering control valve. Install bolts and flanges (2).
6. Install lines (1) on the hoist control valve.
7. Fill the hydraulic tank to the correct level. See the Maintenance Guide.

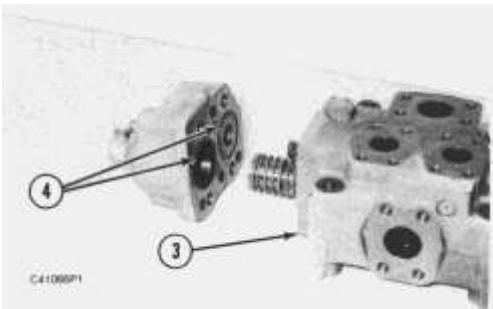
Disassemble Steering Control Valve

Start By:

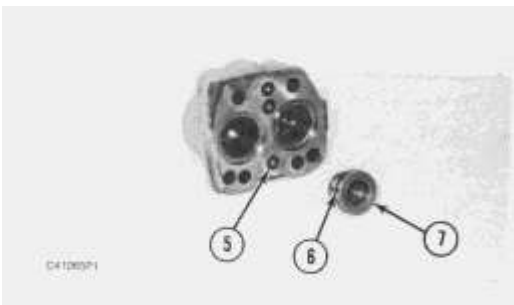
remove steering control valve



1. Remove bolts (2) and body (1).

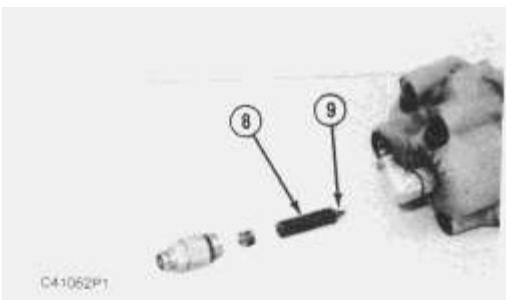


2. Remove and inspect seals (4) from the valve body (3).

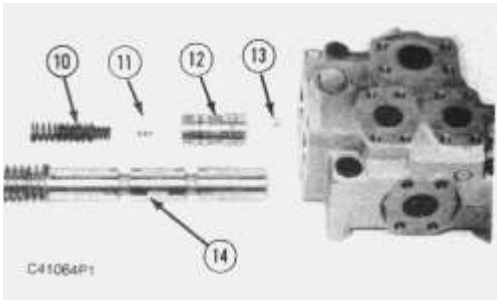


3. Remove seat (7). Remove and inspect seal (6).

4. Remove and inspect small O-ring seals (5) from the body (3).



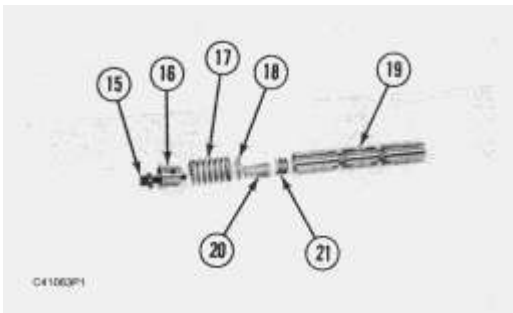
5. Remove plug, shims, spring (8) and valve (9) from the body (3).



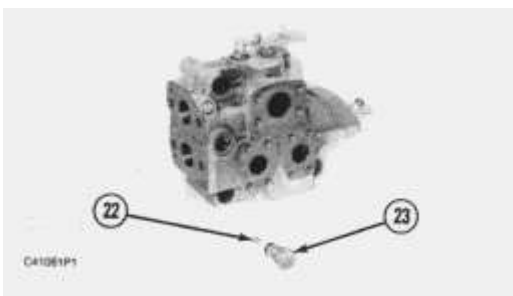
6. Remove directional valve spool assembly (14) from the valve body.
7. Remove springs (10) from the valve body.
8. Remove valve spool (12) from the valve body.
9. Remove shims (11) from the valve spool.
10. Remove seat (13) from the valve housing.

NOTICE

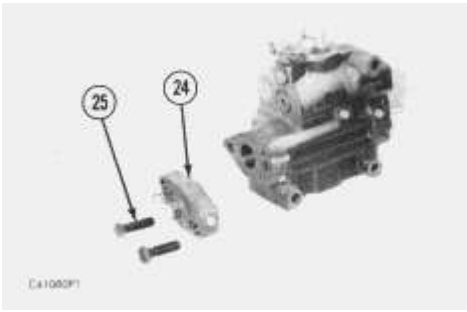
Bolt (15) holds spring (17) under compression.



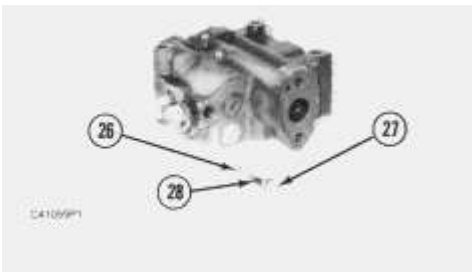
11. Remove bolt (15), spring retainer (16), spring (17), spacer (18), retainer (20) and shims (21) from valve spool (19).



12. Remove plug (23), seat and ball (22) from the valve body. Remove and inspect the O-ring seals on the plug and seat.

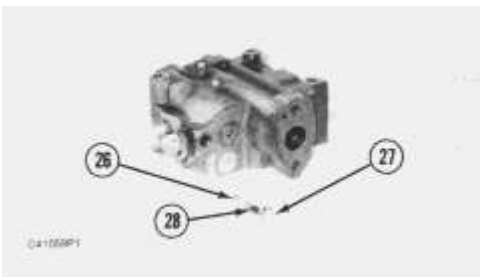


13. Remove bolts (25) and valve body flange (24) from the valve body.

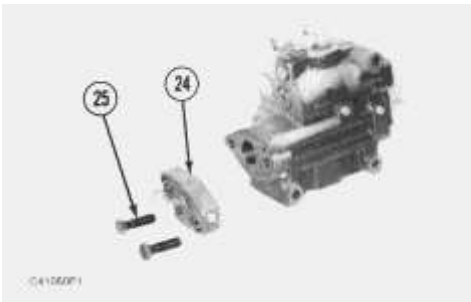


14. Remove plug (27), spring (28) and ball (26) from the valve body.

Assemble Steering Control Valve



1. Install ball (26), spring (28) and plug (27) in the valve body.



2. Install valve body flange (24) and bolts (25) in the valve body.

NOTE: Inspect and replace all O-ring seals if necessary.

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