



Service Repair Manual

Models

D8K TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D8K TRACK-TYPE TRACTOR 77V

Configuration: D8K TRACTOR / POWERSHIFT / 77V00001-05005 (MACHINE)

Disassembly and Assembly 173, 183, 193 HYDRAULIC CONTROLS

Media Number -SEN7008-02

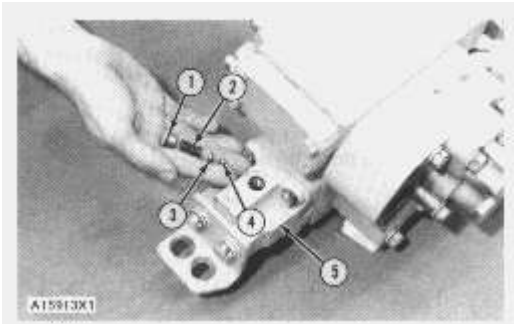
Publication Date -01/10/1980

Date Updated -12/10/2001

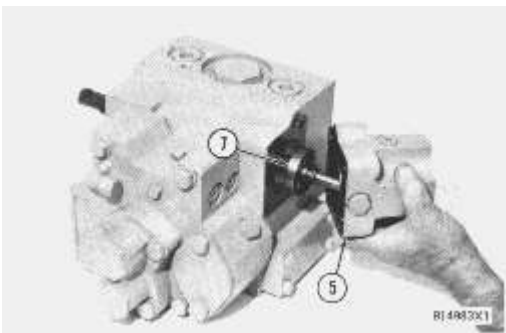
Dozer Control Valve

SMCS - 5076-15; 5076-16

Disassemble Dozer Control Valve

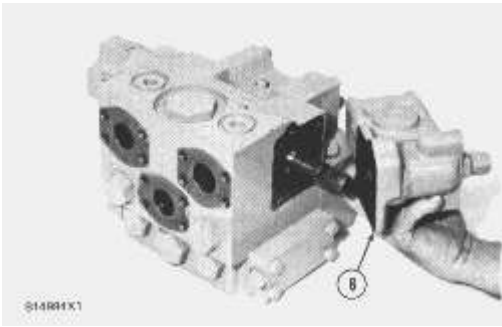


1. Remove detent plugs (1), springs (2), seats (3) and balls (4).

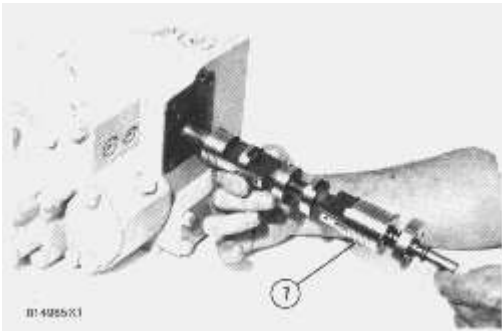


NOTE: There are two of these detents, 180° opposite of each other on housing (5).

2. Remove four bolts from housing (5) and remove housing from valve body.

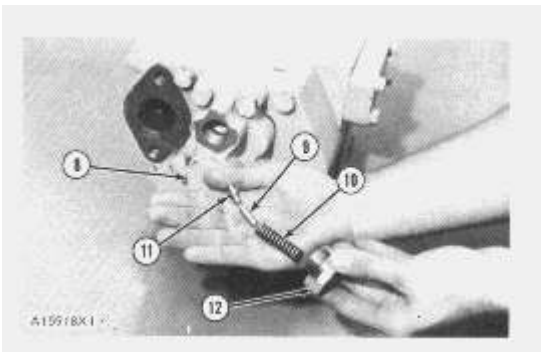


3. Remove four bolts from control lever housing (6) and remove housing from valve body.



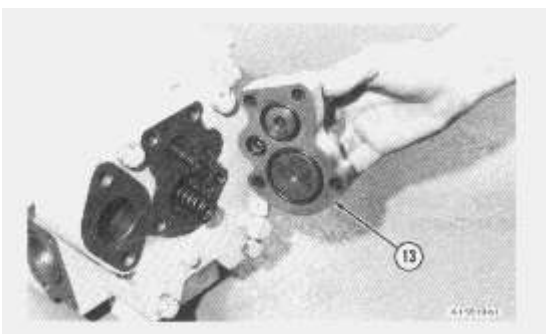
4. Carefully remove spool valve (7) from valve body.

NOTE: Spool must be removed from body through the detent end.

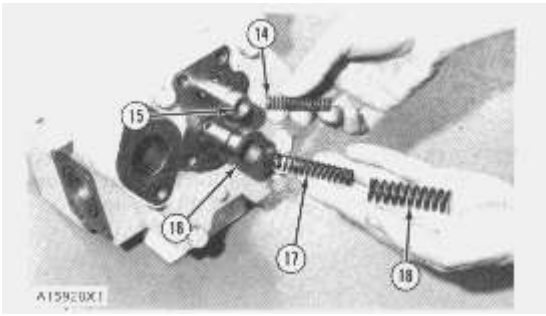


5. Remove two plugs, (8) and (12) from the valve body. Remove shims (in the plugs), pistons (9), springs (10) and valves (11) from the valve body.

NOTE: The plugs are marked with the pressure setting for the respective valve.



6. Remove four bolts from cover (13) and remove from valve body.

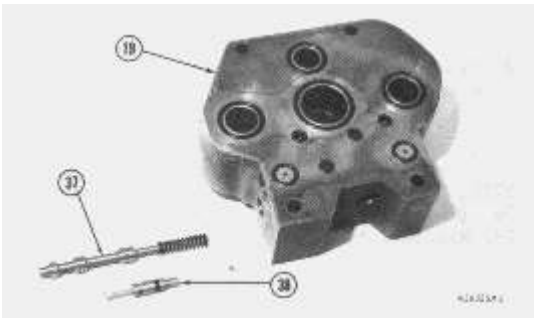


7. Remove spring (14) and valve (15).

NOTE: This is the relief valve for the tilt circuit.

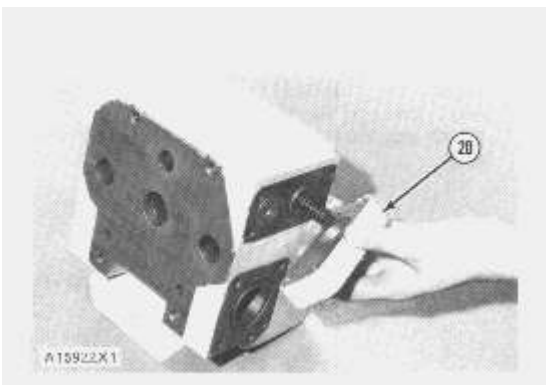
8. Remove springs (17) and (18) and valve (16).

NOTE: This is the dump valve for the main relief valve.



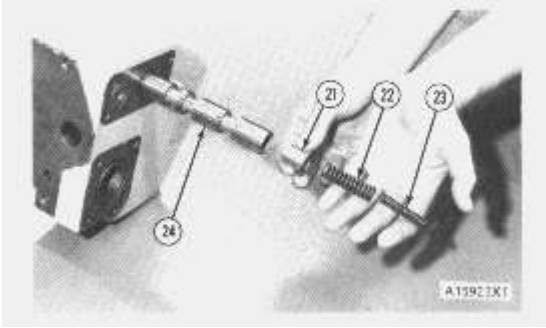
9. Remove four bolts from valve body (19) and remove body from valve group.

10. Remove, inspect and clean shuttle valve (37) and resolver valve (38).



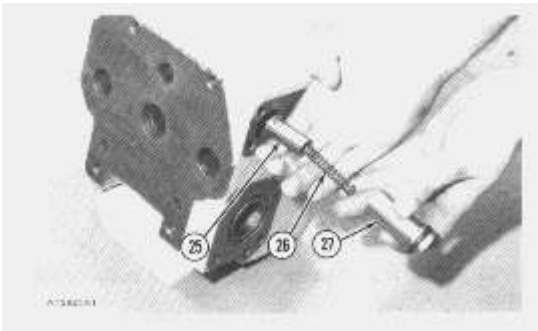
11. Remove four bolts from end cover (20) and remove cover from valve body.

NOTE: There is a small amount of tension on the spring behind the cover.



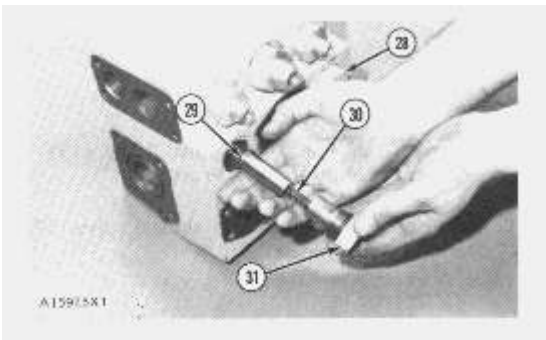
12. Remove springs (22) and (23), sleeve (21) and spool (24) from valve body.

NOTE: There are two more springs and a sleeve on the opposite end of spool (24). Remove these too.



13. Remove sleeve (27), spring (26) and valve (25).

NOTE: There is another sleeve, spring and valve on the other side of the valve. Remove these too. These are make-up valves for the tilt circuit.



14. Remove plug (31), spring (30) and valve (29) from body of valve.

NOTE: This is a make-up valve for the dozer lift. The other make-up valve is located under plug (28). Remove it too.

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