



Service Repair Manual

Models

D6H TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6H TRACK-TYPE TRACTOR 8FC

Configuration: D6H TRACK-TYPE TRACTOR / DIRECT DRIVE / 8FC04092-UP (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly D6H SERIES II TRACK-TYPE TRACTOR POWER TRAIN

Media Number -SEN5299-01

Publication Date -01/11/2004

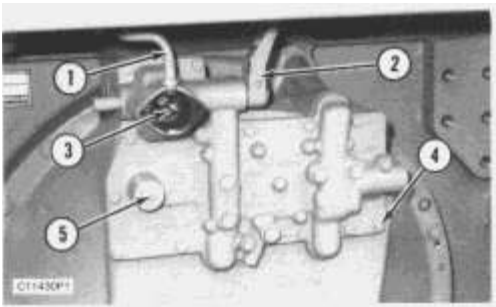
Date Updated -24/08/2010

SEN52990022

Clutch Control Valve (Direct Drive)

SMCS - 3071-017; 3071-010

Remove And Install Clutch Control Valve (Direct Drive)



1. Clean all dirt from the back of the transmission before the clutch control valve is removed.
2. Remove the two bolts and the cover that protect switch (3).
3. Disconnect two wires from switch (3).
4. Remove the bolt and clip that hold tube (1) in position.
5. Loosen the bolt on lever (2) and slide the lever off the shaft.
6. The weight of the clutch control valve is **32 kg (71 lb)**. Use two persons and remove fifteen bolts (4) and the clutch control valve and gasket. Do not remove bolt (5), since it does not hold the clutch control valve to the transmission cover.



7. Remove two O-ring seals (6) and three tubes (7) and the O-ring seals from the transmission cover.

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

8. Inspect the condition of the seals and gasket and replace if necessary.

9. Put two O-ring seals (6) in position on the transmission cover. Install the O-ring seals on three tubes (7) and install them into the transmission cover.

10. Use two 3/8 " - 16 NC **guide bolts** and put the gasket in position on the transmission cover. Put the clutch control valve in position and install fifteen bolts (4).

11. Install lever (2) onto the shaft and tighten the bolt. Install the bolt and clip that holds tube (1) to the case.

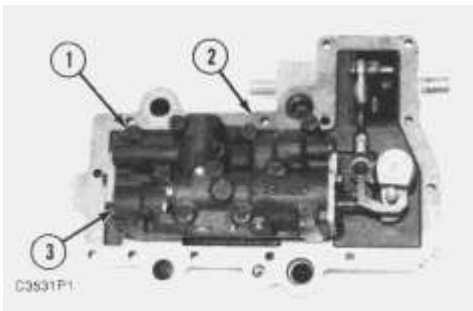
12. Connect two wires to switch (3). Install the cover that protects switch (3).

Disassemble And Assemble Clutch Control Valve (Direct Drive)

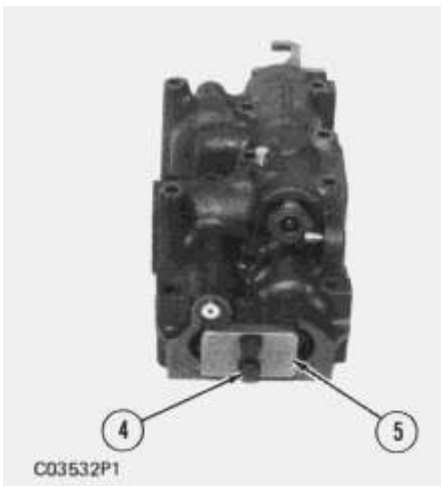
Tools Needed		A	B	C	D	E	F
FT745	Pliers	1					
1A9579	Bolt (5/16" - 18 x 1 1/2" long)		2				
1P1854	Pliers			1			
1P1855	Pliers				1		
1P510	Driver Group					1	
8T500	Continuity Test Light						1

Start By:

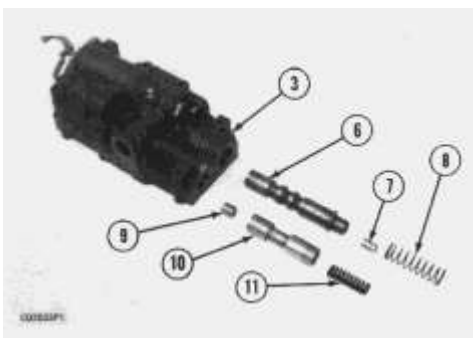
a. remove clutch control valve (direct drive)



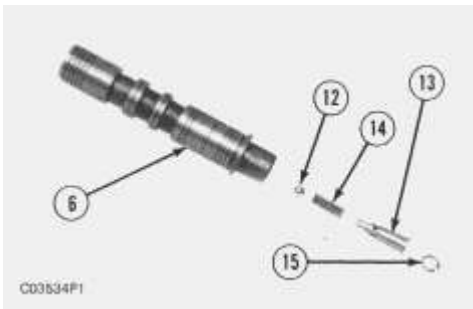
1. Remove 11 bolts (1) and valve assembly (3) from manifold assembly (2). For assembly, tighten bolts (1) to a torque of **$32 \pm 4 \text{ N}\cdot\text{m}$ ($24 \pm 3 \text{ lb ft}$)**.
2. Remove the plate that goes between the valve and the manifold assembly.



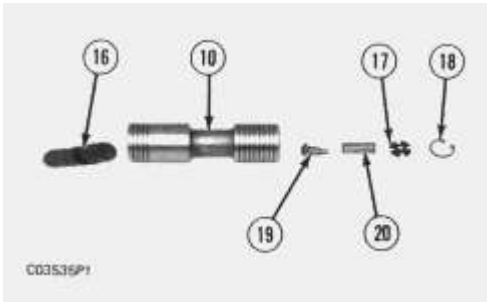
3. Loosen two bolts (4) evenly to release the spring pressure behind plate (5). Remove bolts (4). For assembly, tighten bolts (4) to a torque of **$32 \pm 4 \text{ N}\cdot\text{m}$ ($24 \pm 3 \text{ lb ft}$)**.



4. Remove spring (8), slug (7) and spool assembly (6) from valve assembly (3).
5. Remove spring (11), spool assembly (10) and slug (9) from valve assembly (3).

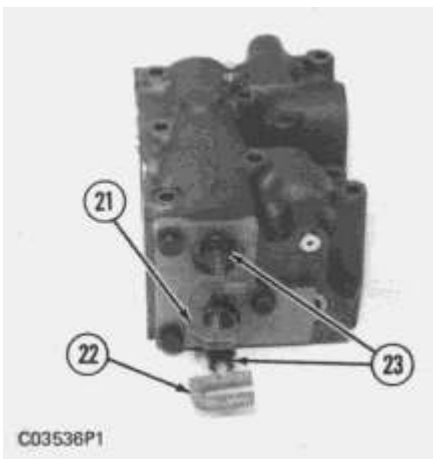


6. Use tool (A), and remove retaining ring (15). Remove guide (13), spring (14) and ball (12) from spool assembly (6).



7. Remove spacers (16) from spool assembly (10).

8. Use tool (A), and remove retaining ring (18). Remove retainer (17), spring (20) and plunger (19) from spool assembly (10).



9. Put identification marks on links (21) and (22) for assembly purposes.

10. Measure the distance from the valve assembly to the end of links (21) and (22). Record the dimensions for assembly purposes.

11. Loosen jam nuts (23), and remove links (21) and (22) from the valve assembly. For assembly, install links (21) and (22) from the valve assembly. For assembly, install links (21) and (22), and adjust to the dimensions that were measured in Step 10. Tighten two jam nuts (23) to a torque of $34 \pm 4 \text{ N}\cdot\text{m}$ ($25 \pm 3 \text{ lb ft}$).

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