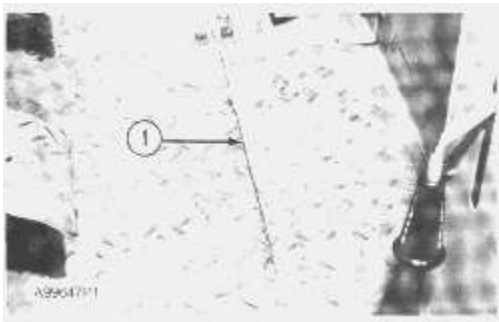
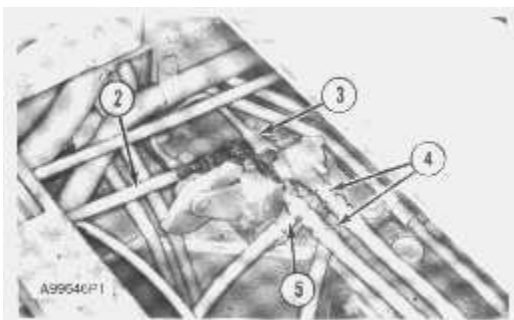


Steering Clutch Control Valves

Remove And Install Steering Clutch Control Valves

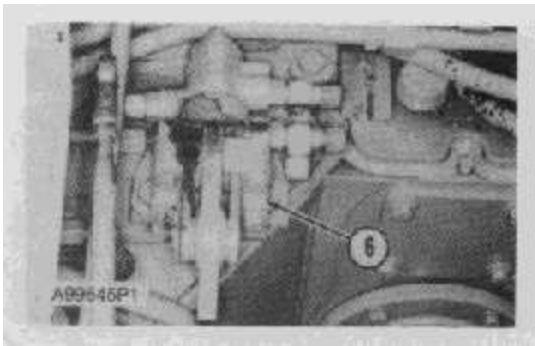


1. Remove floor plate (1) from the machine.



2. Disconnect oil lines (3), (4) and (5) from the steering clutch control valve.

3. Disconnect linkage rod (2) from the steering clutch control valve.



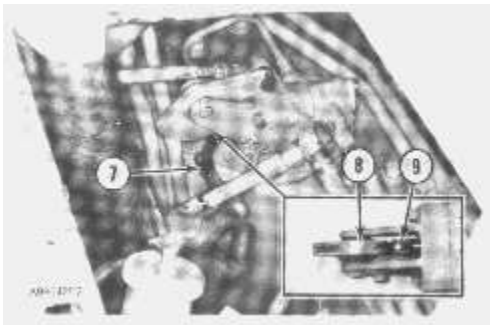
4. Remove the three bolts that hold steering clutch control valve (6) in place. Remove steering clutch control valve (6).

NOTE: The following steps are for installation of steering clutch control valves.

5. Put steering clutch control valve (6) in position and install the three bolts that hold it in place.

6. Connect linkage rod (2) to the steering clutch control valve.

7. Connect oil lines (3), (4) and (5) to the steering clutch control valve.



8. Use feeler gauge (7) to check the clearance between cam (8) and roller (9). With the brake pedal against the stop, the clearance must be 0.74 ± 0.74 mm ($.029 \pm .029$ in.). Make adjustment to linkage rod (2) for correct clearance.

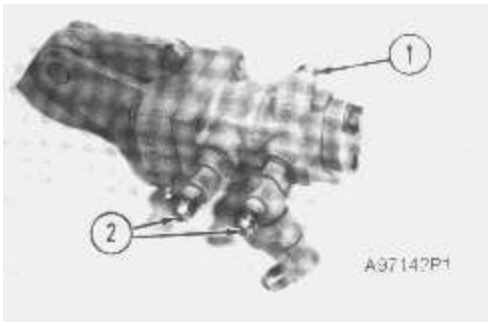
9. Install the floor plate on the machine.

Disassemble And Assemble Steering Clutch Control Valves

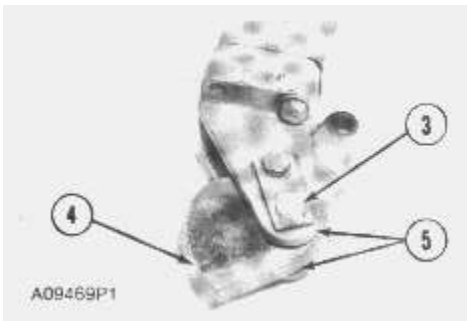
Tools Needed		A
1P510	Driver Group	1

Start By:

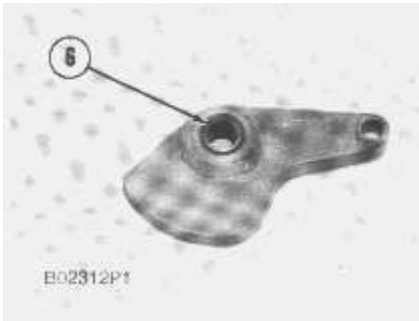
a. remove steering clutch control valves



1. Put identification on fittings and covers for assembly purposes.
2. Remove fittings (1) and (2) from the valve.



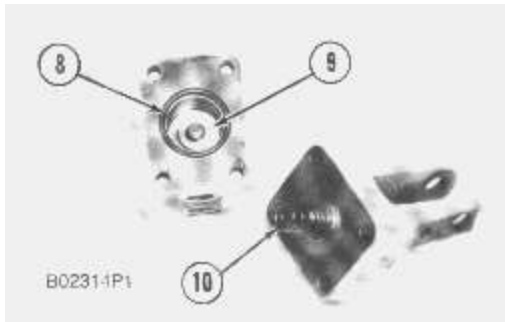
3. Remove the bolt and shaft (3). Remove cam (4) and washers (5) from the cover.



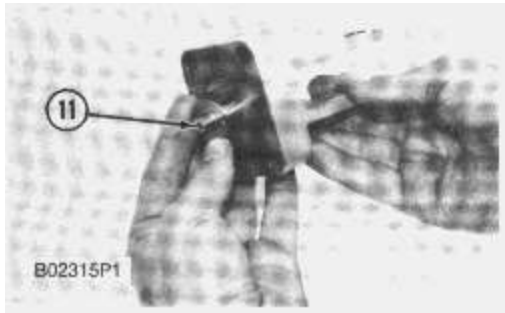
4. Remove bearing (6) from the cam.



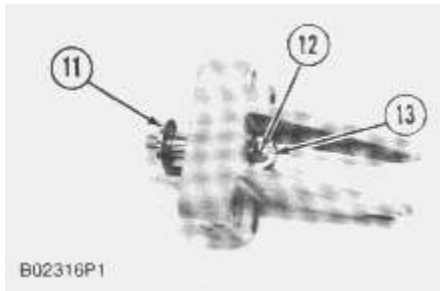
5. Remove the two bolts and cover (7) from the valve.



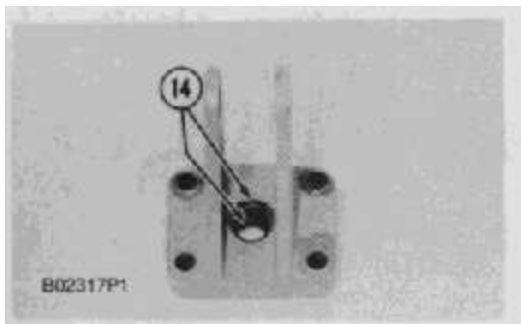
6. Remove O-ring seal (8) and spacer (9) from the valve. Remove spring (10) from the stem.



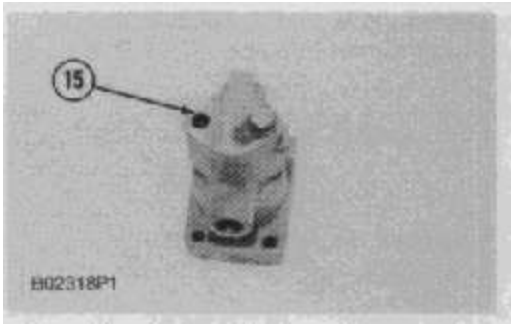
7. Pull stem (11) in until it can be turned. Turn the stem 90° and push it out until it hits the pin.



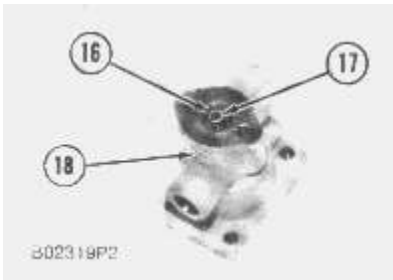
8. Remove pin (12) and roller (13) from stem (11). Remove stem (11) from the cover.



9. Remove seals (14) from the cover.

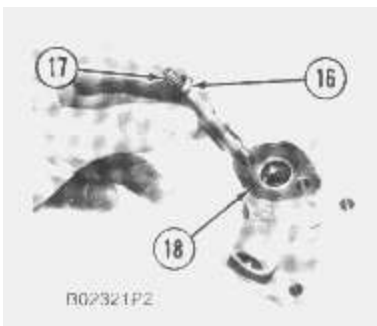


10. Remove the bolt and cover (15) from the valve.



11. Remove O-ring seal (16), spring (17) and the spool from valve (18).

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



12. Put clean oil on all parts before assembly.

13. Be sure ring (16) is installed on the spool. Install small spring (17) in the end of the spool as shown. Install the spool in valve (18).

14. Install the O-ring seal on the valve.

15. Put cover (15) in position on the valve and install one bolt to hold the cover in place.

16. Install seals (14) in the bore in cover. Use tooling (A) to install the seal in the counterbore in the cover, with the metal case to the inside.

17. Install stem (11) in the cover. Put roller (13) in position on the stem and install pin (12) that holds it in place. Turn the stem until the notch in the stem is in alignment with the pin in the cover and push the stem out until the shoulder on the stem is against the cover.

18. Install O-ring seal (8) on the valve. Install spacer (9) on the spool. Install large spring (10) on the stem.

19. Put the cover in its original position on the valve and install the two upper bolts to hold it in place.

20. Install bearing (6) in the cam. Put the cam in position on the cover with a washer (5) on both sides of the cam. Install shaft (3) and the bolt.

21. Install fittings (1) and (2) in the valve in their original positions.

End By:

a. install steering clutch control valves