



CLARKE-GRAVELY CORPORATION  
A Studebaker-Worthington Company

# SET UP INSTRUCTIONS

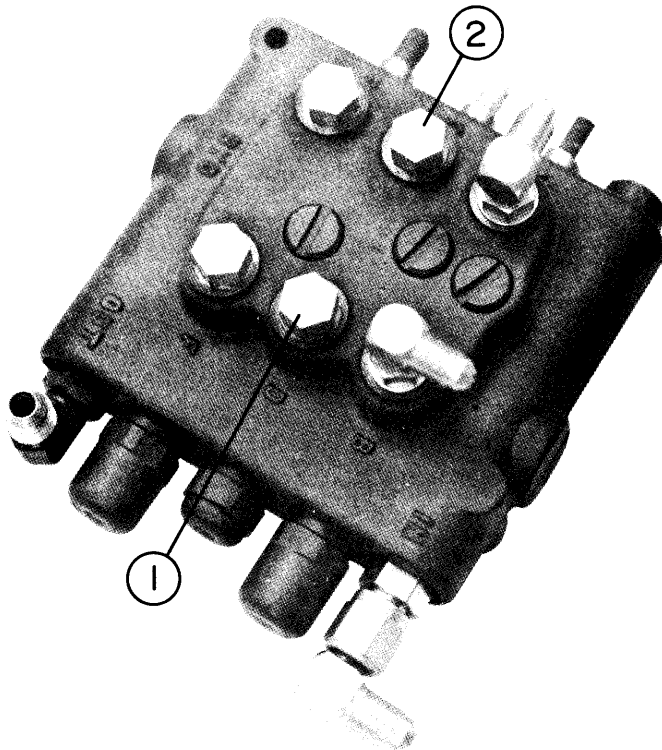
**NAME:** QUICK DISCONNECT KIT - GMT

**PART NUMBER(S):** 22447

The hydraulic control valve is removed from the tractor. Do not remove the hydraulic control valve to install the Quick Disconnect Kit.

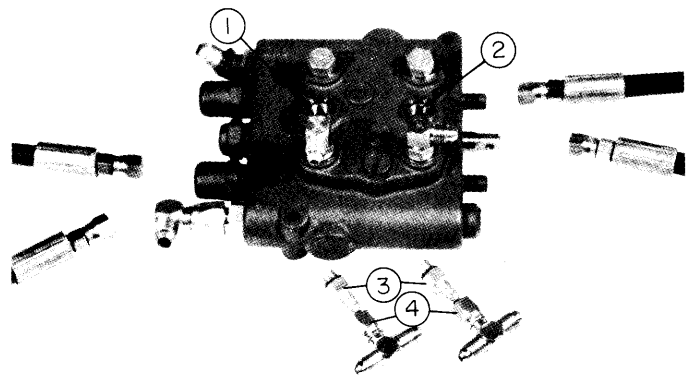
All reference to right side, left side, front and rear are given from the operator's position.

1. Remove the control cover plate from the tractor.
2. Remove the two plugs from the holes that have the Marks "D" and "C" on the hydraulic control valve. See figure 1.



- 1 — "D"
- 2 — "C"

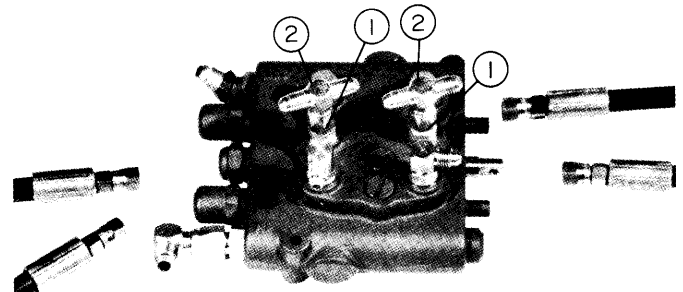
Figure 1



- 1 — "D"
- 2 — "C"
- 3 — Straight Adapter
- 4 — TEE Fitting

Figure 2

4. Put a TEE fitting on each straight adapter and tighten. See figure 3.



- 1 — Straight Adpater
- 2 — TEE Fitting

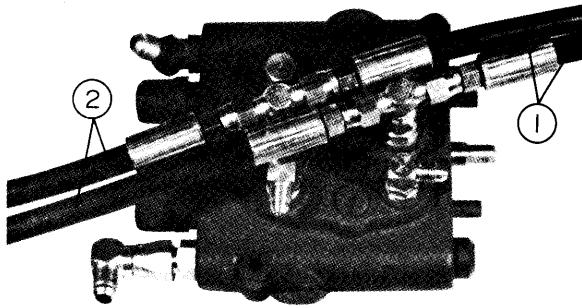
Figure 3

3. Put a straight adapter in the hydraulic control valve holes that have the mark "D" and "C" and tighten. See figure 2.

**NOTE:** When installing the hydraulic hoses, the short hoses go to the rear of the tractor and the long hoses go to the front.

5. Install the rear hoses along the top of the transmission from the hydraulic control valve to each side of the rear hitch. Keep the hoses away from moving parts on the tractor.

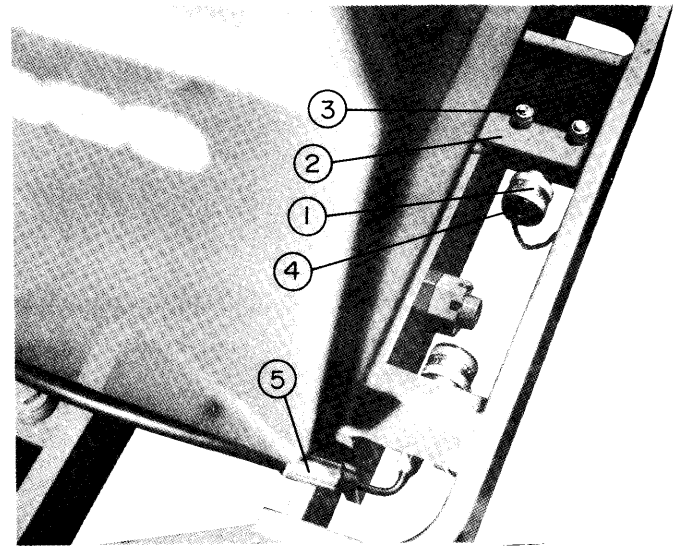
6. Install the front hydraulic hoses along each side of the engine from the hydraulic control valve to each side of the front bumper. Keep the hoses away from moving parts on the tractor.
7. Connect the front hose on the left side to the control valve fitting in the hole that has the "D" mark. Connect the front hose on the right side to the control valve fitting in the hole that has the "C" mark. See figure 4.



1 — Front Hydraulic Hoses  
2 — Rear Hydraulic Hoses

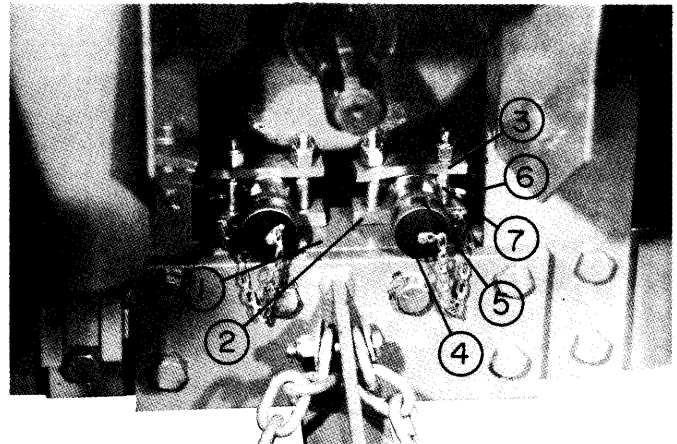
Figure 4

8. Connect the rear hose on the left side to the control valve fitting in the hole with the "C" mark. Connect the rear hose on the right side to the control valve fitting in the hole with the "D" mark. See figure 4.
9. Cover each quick disconnect with a dirt plug.
10. Connect the straight reducer fittings to the quick disconnect and tighten.
11. Assemble the quick disconnect with the thick bracket plate on top and the thin bracket plate on the bottom.
12. Fasten the assembly under the front bumper frame with the 3/8" x 2-1/2" bolts and 3/8" lock nuts. See figure 5.
13. Connect the rings of the dirt plugs to the 3/8" bolts.
14. Connect the hydraulic hoses to the reducer fittings in the quick disconnects.
15. Connect the 90° reducer fittings to the other quick disconnects.
16. Fasten the angle bracket to the inside of the rear hitch with the 1/2" x 1-1/2" bolts and 1/2" nuts. See figure 6.
17. Assemble the quick disconnect with the thick bracket plate on the bottom and the thin bracket plate on top.



1 — Quick Disconnect  
2 — Front Bumper Frame  
3 — Bolt  
4 — Dirt Plug  
5 — Hydraulic Hose

Figure 5



1 — Angle Bracket  
2 — Thick Bracket Plate  
3 — Thin Bracket Plate  
4 — Dirt Plug  
5 — Quick Disconnect  
6 — Ring  
7 — Bolt

Figure 6

18. Fasten the assembly to the angle bracket with the 3/8" x 2-1/2" bolts and 3/8" nuts. See figure 6.
19. Connect the rings of the dirt plugs to the 3/8" bolts.
20. Connect the hydraulic hoses to the reducer fittings in the quick disconnects.
21. Start the tractor engine and operate the center hydraulic lever forward and then backward. Stop the engine and check for leakage at the hydraulic hose connections. Tighten if there is leakage.
22. Install the control cover plate.