

Transmission Removal and Installation

Prior to removing the transmission, it is necessary to remove the fender assembly.

1. Loosen the fuel line clamp at the gas tank and slide it down the fuel line.
 2. Remove the fuel line from the gas tank.
 3. Remove the fuel sensor connector.
 4. Remove all four of the hex bolts and lock nuts from the rear hitch plate panel using a 9/16 socket and a 9/16 wrench. Remove the hitch plate.
 5. Remove the gas tank from the tractor.
 6. Remove the oil tube and dipstick from the hitch plate and slide it back into the transmission.
- NOTE:** The dipstick and tube will keep debris out of the transmission.
7. Raise the rear of the unit off the ground.
 8. Remove all eight of the rear wheel hub nuts using a 3/4" socket.
 9. Remove the rear wheel assemblies from the unit.
 10. Remove the hex bolt securing the double valve clamp on the charge pump using an 11mm swivel socket. See figure 1.
 11. Remove the hydraulic return tube from the "T" fitting using an 18mm wrench. See figure 1.
 12. Remove the hydraulic steering pressure tube from the charge pump. See figure 1.

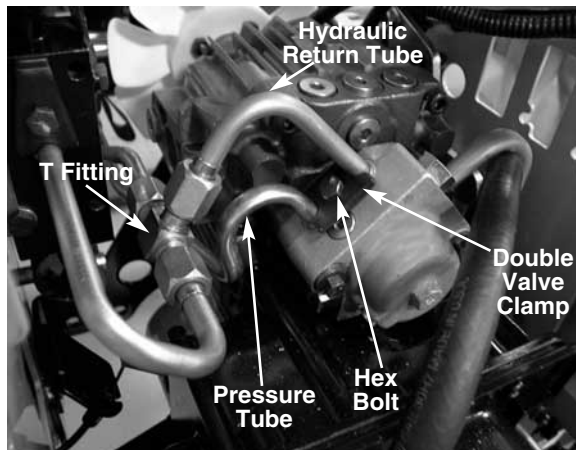


FIGURE 1.

13. Remove all four of the drive shaft hub screws from the pump adapter using a 3/8 socket. See figure 2.

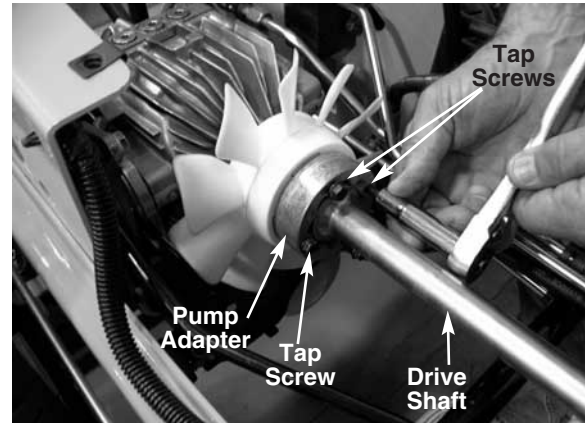


FIGURE 2.

14. Remove both hairpins securing the brake rod ferrules to the brake lever assemblies. See figure 3.

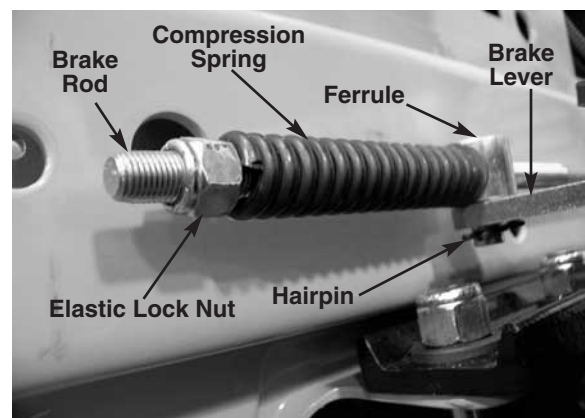


FIGURE 3.

15. Remove the shoulder bolt and lock nut securing the cylinder damper to the frame using a 5/8 wrench and a 7/16 socket. See figure 4.
16. Remove the hairpin from the rear control rod at the hydro neutral return plate. See figure 4.

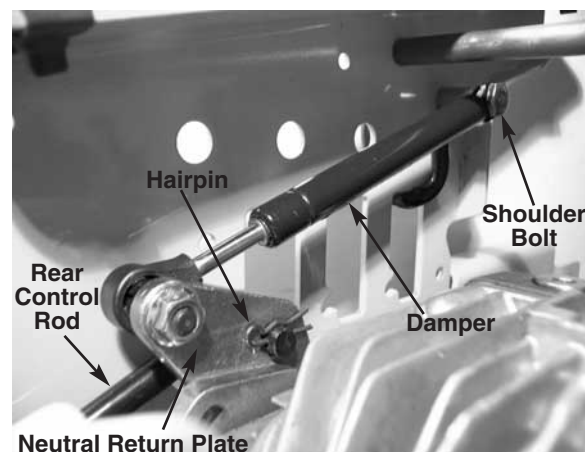


FIGURE 4.

Cub Cadet 3000

17. Brace the transmission.
18. Remove all four of the front transmission support bracket to frame hex cap screws and hex flange lock nuts using a 9/16 wrench and a 9/16 socket. See figure 5.

NOTE: The differential lock cable retainer bracket is removed along with the transmission support bracket.

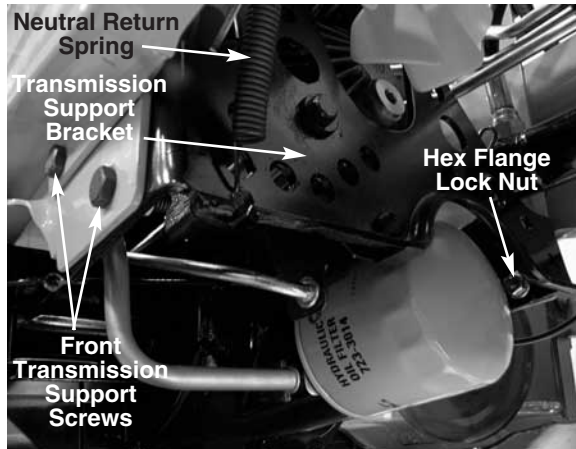


FIGURE 5.

19. Remove the “Z” fitting from the differential lock actuator arm. See figure 6.

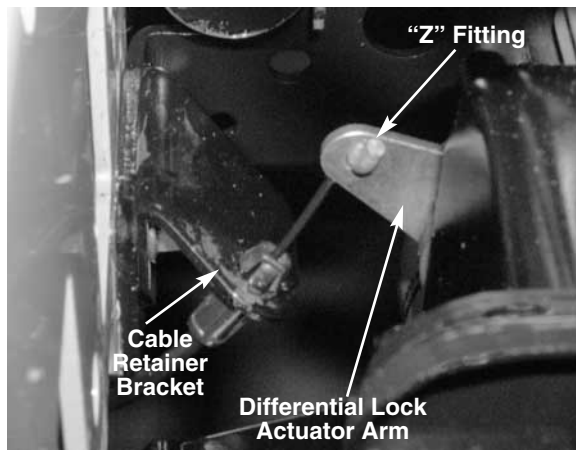


FIGURE 6.

20. Remove both transmission to frame “U” bolts using a 3/4" socket. See figure 7.

NOTE: The “U” bolts have a lower point on one side. The point goes towards the rear of the unit during reassembly. See figure 7.

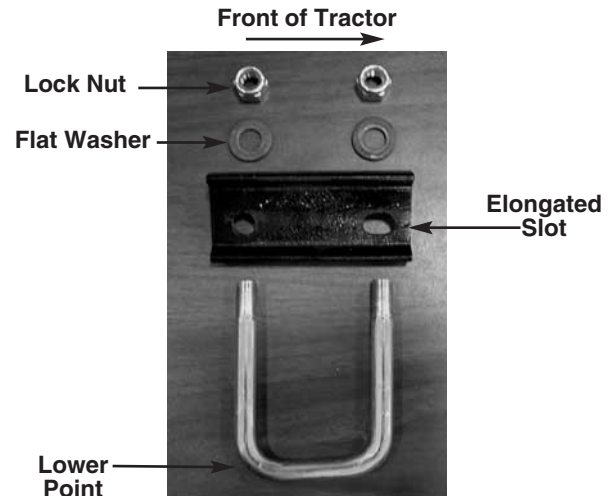


FIGURE 7.

21. Lower the transmission from the unit.

NOTE: Be certain that the rear control rod is removed from the hydro neutral return plate as the transmission is removed. Also, make certain the brake levers clear the frame.

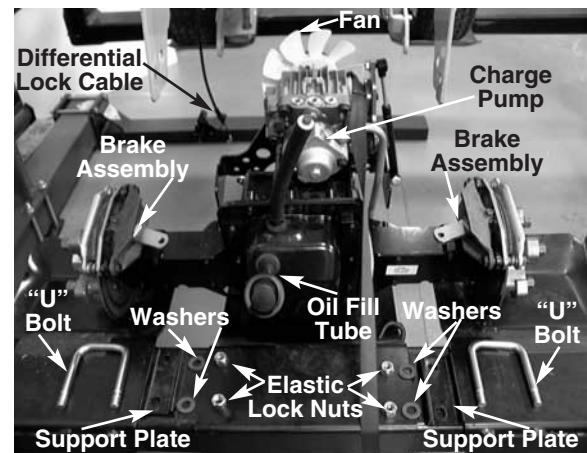


FIGURE 8.

REASSEMBLE THE TRANSMISSION TO THE UNIT IN THE REVERSE ORDER ABOVE.