

Installation

Installation of the clutch can be enhanced if the flywheel is removed from the engine and all pieces are aligned on a workbench.

8. Lay the flywheel face up on a work bench.
9. Place the main friction disc on the flywheel face with the long hub up.
10. Attach the three connecting links and release levers to the main pressure plate.
11. Install the main pressure plate face down on the main friction disc with release levers pivoted out.
12. Install the main diaphragm spring onto the machined surface of the pressure plate with convex side up.
13. Install the main clutch cover, which is an intermediate pressure plate for the PTO clutch face up and the inner diameter resting on the diaphragm spring.
14. Install the PTO friction disc with long hub up.
15. Install the PTO pressure plate.
16. Install the PTO diaphragm spring in the machined groove of the pressure plate with convex side up.
17. Install the PTO clutch cover over previous components, assuring that all scribe marks are aligned.
18. Insert the aligning tool through both clutch discs and be sure the small end of the aligning tool is in the flywheel pilot bearing.
19. Install the six bolts to fix the clutch covers to the flywheel and tighten evenly. Be sure the diaphragm springs remain centered in the notches of the pressure plate.
20. Attach the release levers to the PTO clutch cover with pins, washers and cotter pins. The heads of the pins should be in the direction of engine rotation.
21. Leave the aligning tool installed through the clutch components. Remove the six bolts fixing the clutch covers to the flywheel and remove the clutch assembly.
22. Reinstall the flywheel to the engine. Tighten the six bolts to a torque of 55 N.m (40 ft.-lbs.).
23. Install the clutch assembly to the flywheel. Tighten the six bolts to a torque of 24.4 N.m (18 ft.-lbs.). Flat washers are installed over the two hollow dowels in the clutch cover.
24. Position the release lever height gauge (12096) over the outside of the clutch cover; the legs should touch the flywheel.
25. Screw the three adjusting bolts in or out until their heads touch the height gauge.
26. After adjustment, tighten the lock nuts to a torque of 15.7 to 21.5 N.m (11.5 to 15.8 ft.-lbs.).
27. Adjust the clearance between the adjusting bolts and the PTO pressure plate, Operation 5A-44-48.
28. After reassembly of the tractor, adjust the clutch pedal free play, Operation 5A-43-48.

