

# TM2187 - 5225, 5325, 5425, 5525, 5625, and 5603 Tractors Repair Technical Manual

## Remove and Install Clutch Assembly

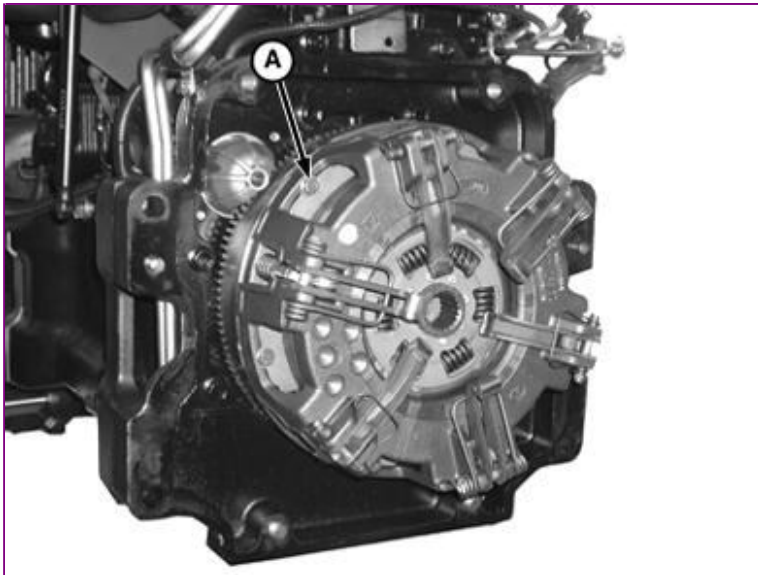
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### Remove and Install Clutch Assembly

**NOTE:**

*Clutch assembly can be removed and installed without any finger adjustment procedures.*

*If clutch assembly has been disassembled for inspection or repair, see [PTO Clutch Finger Adjustment](#) and [Traction Clutch Finger Adjustment](#) procedures in Section 50, Group 10.*



1. LV11252-UN: Clutch Assembly

**LEGEND:**

A - Cap Screw (6 used)

Separate engine from clutch housing. (See [Separate Engine from Clutch Housing—Straddle Mount](#) or [Separate Engine from Clutch Housing—Isolated Open Operator Station and Cab Tractors](#) in Section 50, Group 05.)

- 2.



**CAUTION:**

***Clutch assembly is heavy. Support clutch before removing cap screws to prevent personal injury.***

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Remove six cap screws (A) and clutch assembly.

**NOTE:**

*PTO clutch disk is loose, located between flywheel and clutch assembly after removal of clutch. Note the side of clutch disk that faces the flywheel.*

3. Make repairs as necessary. (See procedures in Section 50, Group 10.)

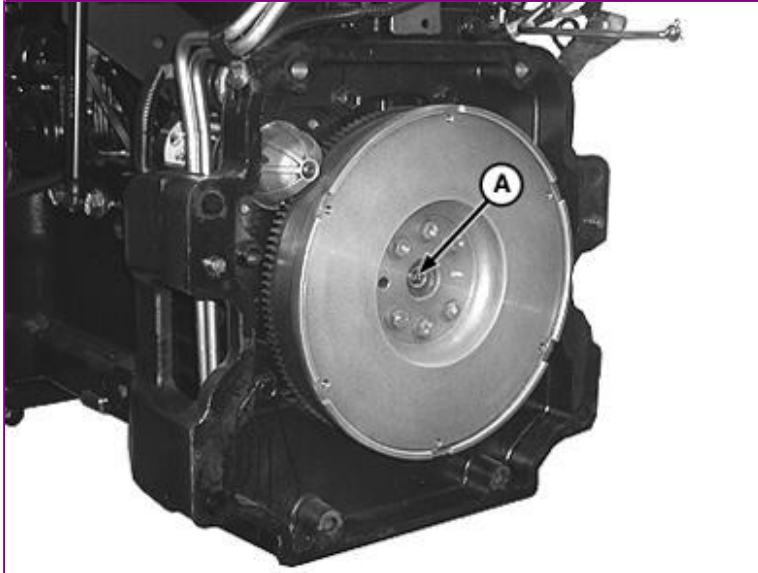
4. **NOTE:**

*5-cylinder tractors, from factory, are equipped with standard three-pad PTO clutch disk. All tractors are serviced with high-capacity four-pad PTO clutch disk.*

Inspect and replace PTO clutch disk if friction surfaces are contaminated with grease or oil, or if thickness of disk is not within specifications.

<b>Item</b>	<b>Measurement</b>	<b>Specification</b>
PTO Clutch Disk	Thickness	7.6—6.6 mm (0.300—0.260 in.)

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5. LV11253-UN: Fly Wheel/Pilot Bearing

LEGEND:

A - Pilot Bearing

Inspect pilot bearing (A) for wear or damage. Replace if necessary. (See procedure in CTM104 or CTM301.)

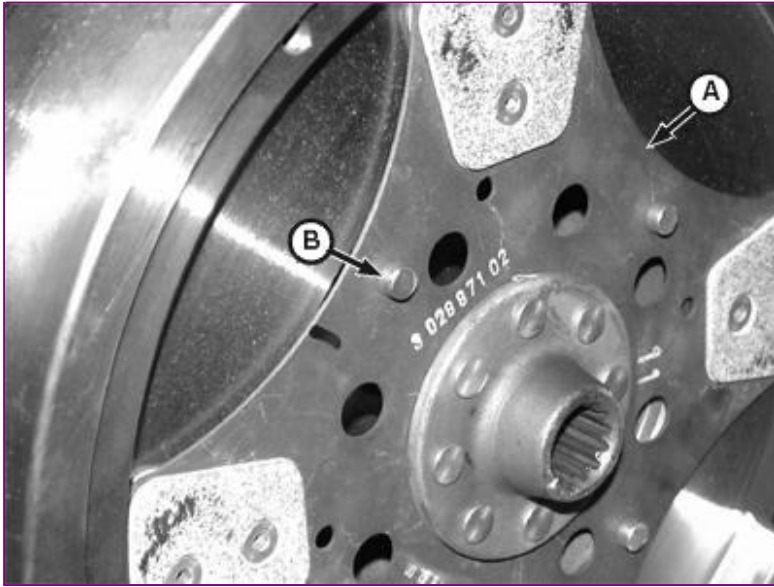
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6. **IMPORTANT:**

**When installing the PTO clutch disk (A), make sure the side of the disk stamped “Flywheel Side” faces the engine flywheel and that the alignment pins (B) face the rear of the tractor.**

*NOTE:*

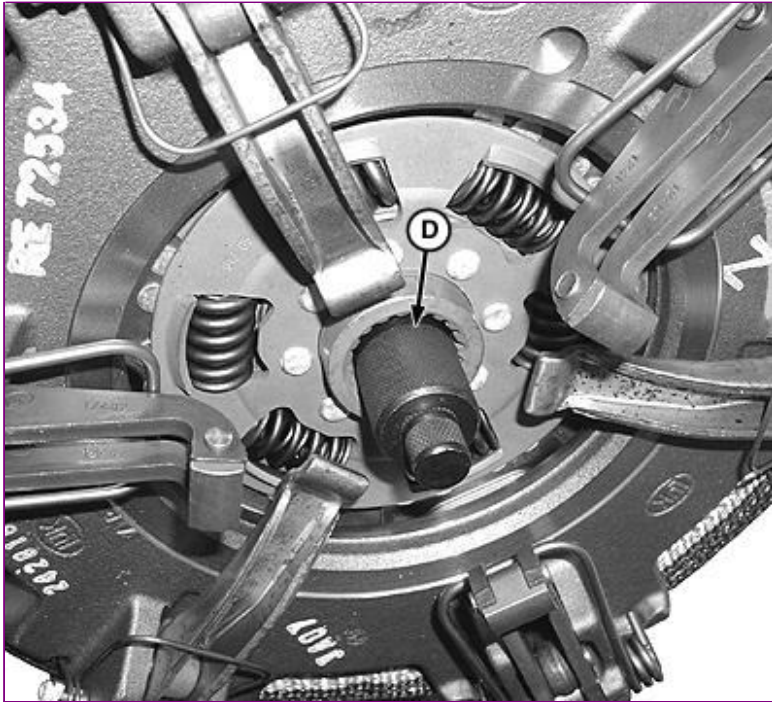
*To aid during installation of clutch assembly to flywheel, use JDG689 clutch alignment tool (D) to align and rotate PTO clutch disk (A) while the clutch cap screws are being tightened.*



LV5373-UN: High-Capacity Four-Pad PTO Clutch Disk Shown



LV8838-UN: SYNCSHUTTLE Clutch



LV8839-UN: JDG689 Alignment Tool

**LEGEND:**

- A - PTO Clutch Disk
- B - Alignment Pin (4 used)
- C - Clutch Assembly
- D - Clutch Alignment Tool JDG689

Install and position the PTO clutch disk (A) against the flywheel. Make sure the alignment pins (B) are facing away from engine.

7. Install the clutch assembly (C) over PTO clutch disk (A) using JDG689 Clutch Alignment Tool. Install cap screws and evenly tighten in a crisscross pattern to specification.

Item	Measurement	Specification
Clutch Assembly Mounting Cap Screw	Torque	36 N·m (27 lb-ft)

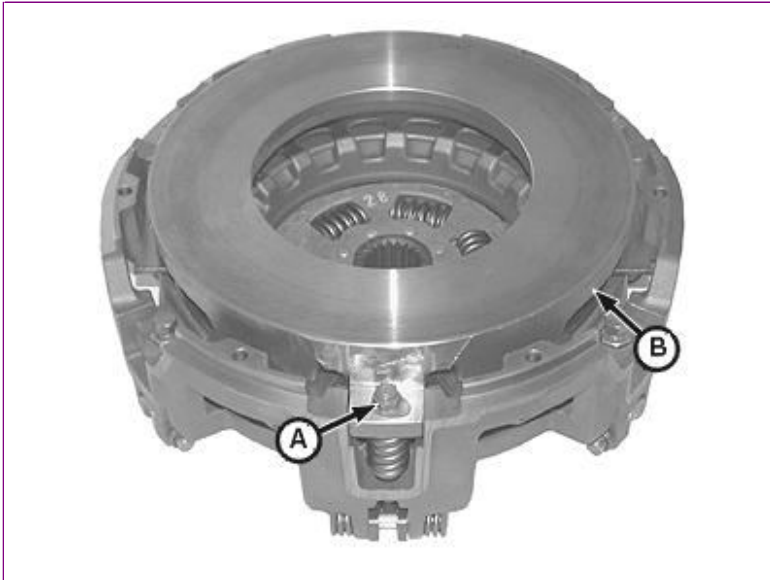
8. After cap screws are tightened to specifications, make sure PTO clutch disk rotates freely. Remove clutch alignment tool.
9. Install engine to clutch housing. (See [Install Engine to Clutch Housing—Straddle Mount](#) or [Install Engine to Clutch Housing—Isolated Open Operator Station and Cab Tractors](#) in Section 50, Group 05.)

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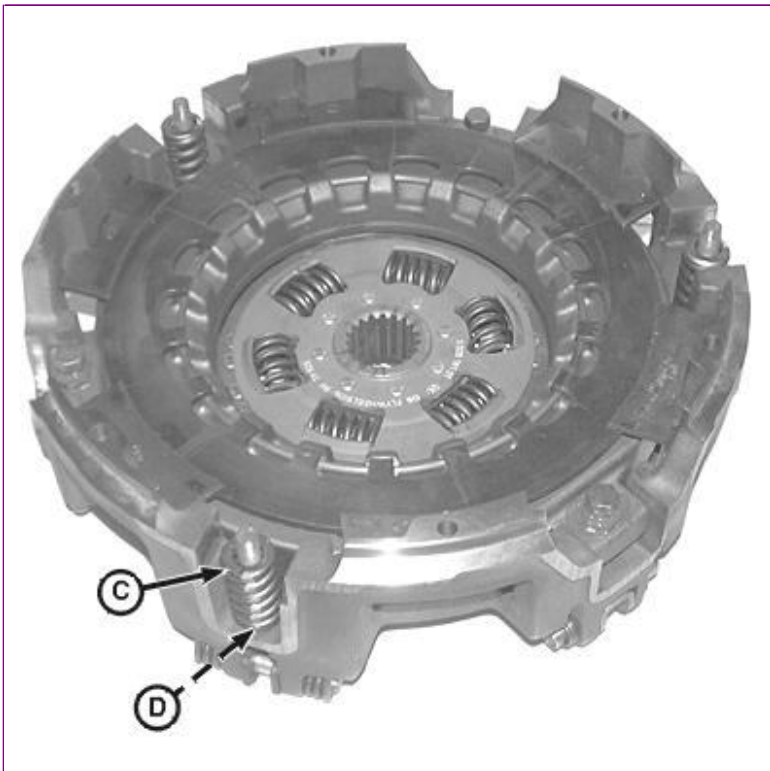
## Disassemble and Inspect Clutch Assembly

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### Disassemble and Inspect Clutch Assembly



LV5351-UN: PTO Pressure Plate



LV4660-UN: Clutch

#### LEGEND:

- A - Lock Nut (3 used)
- B - PTO Pressure Plate
- C - Spring (3 used)
- D - Washer (3 used)

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