

# **TORQUE LIMITER**

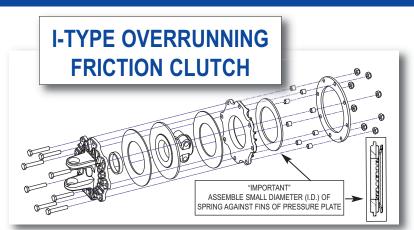
# **SERVICE INSTRUCTIONS**

# **TOOLS REQUIRED**

(2) 17 mm Box wrenches

# **RUN-IN & REBUILDING**





#### RUN-IN

(Necessary for all new clutches and any clutch which has not been used for approximately 60 days.)

- 1. Make sure tractor is off and PTO is disengaged.
- 2. Disconnect drive shaft from tractor.
- 3. Loosen bolts on outside diameter of clutch until all bolts are just loose, then tighten all bolts one half turn.
- 4. Attach implement to tractor and drive shaft to tractor PTO. Stand clear of machine.
- 5. Start tractor. Engage PTO and run for a few seconds, or until clutch visibly smokes, then disengage PTO.
- 6. Make sure tractor is off and PTO is disengaged.
- 7. Disconnect drive shaft from tractor.
- 8. Tighten all bolts on outside diameter of clutch until spacers cannot be rotated by hand then back off until spacers rotate by hand.

## **DRIVE SHAFT REMOVAL**

- 1. With tractor PTO disengaged and tractor off, disconnect PTO drive shaft from tractor PTO shaft.
- 2. Remove bolt(s) clamping clutch drive hub to implement input shaft.
- 3. The drive shaft with the clutch is heavy. Grasp clutch firmly with both hands and slide it off implement input shaft.

# FRICTION CLUTCH REBUILDING

#### DISASSEMBLY:

- 1. Place clutch and universal joint assembly on a bench, with end of the clutch accessible.
- 2. Remove long bolts that hold clutch together.
- 3. Remove plate(s) and all internal components.
- 4. Discard friction discs.

#### INSPECTION:

- 5. Inspect steel and iron parts for wear, warpage or cracking and replace if necessary.
- 6. Clean any rust or dust from plate surfaces with a wire brush or steel wool.

#### ASSEMBLY:

- 7. Place one new friction disc against yoke flange, then place hub flange against friction disc, then place other friction disc against hub flange.
- 8. Add pressure plate so flat surface rests on friction disc.
- 9. Add disc spring so spring inside diameter contacts fins of pressure plate, making sure spring is centered.
- 10. Install bolts then assemble the spacers on the bolts
- 11. Assemble compression plate then install the nuts on the bolts.
- 12. Tighten all bolts on outside diameter of clutch until spacers cannot be rotated by hand then back off until spacers rotate by hand.

#### **ADJUSTMENT**

1. Tighten all the bolts on outside diameter of clutch until spacers cannot be rotated by hand then back off until the spacers rotate by hand.

#### **MOUNTING**

- 1. Mount and clamp clutch hub onto implement input shaft. Make sure grooves of the shaft and clutch line up.
- 2. Reinstall any shielding that was moved or removed.
- 3. The clutch must be run-in before it is used. Follow the instructions for run-in of the clutch.

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