

T 5696

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|----------------------|--------------------------|
| A - Pressure Plate | G - Clutch Release Lever |
| B - Clutch Bracket | H - Pivot Pin |
| C - Spring Cup | I - Adjusting Screw |
| D - Auxiliary Spring | J - Lock Nut |
| E - Retainer | K - Washer |
| F - Pressure Spring | L - Return Spring |

Fig. 150-20-2—Exploded View of Steering Clutch Pressure Plate

REASSEMBLY

Assemble release levers (G) to bracket (B) using new pivot pins (H). Peen ends to secure assembly.

Position spring cups (C) in holes in bracket. Place pressure springs (F) in cups. Insert auxiliary springs (D) inside pressure springs, and cap with retainers (E).

Place bracket assembly over pressure plate (A), making sure slots in bracket (B) align with lugs on pressure plate (A). Lubriplate sides of lugs to assure free operation of clutch assembly.

Place this assembly on hydraulic press and depress release levers (G) as far as possible without forcing against bracket. Insert return springs (L) under lock nuts and washers on adjusting screws (I). Install screws into pressure plate.

ADJUSTING CLUTCH RELEASE LEVERS
(Fig. 150-20-3).

Bolt the pressure plate assembly to the brake drum.

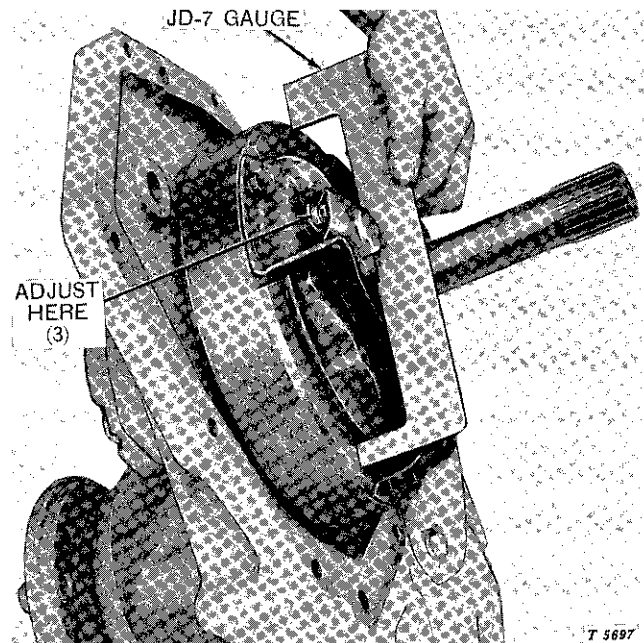


Fig. 150-20-3—Adjusting Clutch Release Levers

Place JD-7 gauge over pressure plate with legs on rim of brake drum. The three clutch release levers should be adjusted to just touch the center of the gauge.

Adjust release levers by loosening lock nuts and turning adjusting screws in or out until ends of levers contact gauge. Then tighten lock nuts.

After release levers are adjusted and lock nuts tightened, exercise the release levers several times. Recheck adjustment with gauge and change if necessary. If levers dropped excessively when exercised, this process should be repeated until the setting is permanent.

Group 25

SPECIFICATIONS

STEERING CLUTCHES

Steering Lever Free Travel at Starter Switch Level	7/8 to 1 Inch
Clutch Composition Facings (thickness)145 to .151 Inch
Clutch Steel Plates (thickness)090 to .096 Inch
Adjusted Height of Steering Clutch Release Levers	Touching Center of JD-7 Gauge
Pressure Plate Springs	
Tractors (-31000) Pressure Springs	220 to 240 lbs. at 1-9/16 Inches
Auxiliary Springs	57 to 63 lbs. at 1-1/2 Inches
Tractors (31001-Up) (Pressure Plate with Yellow Stripe)	
Pressure Springs	250 to 276 lbs. at 1-9/16 Inches
Auxiliary Springs	83 to 91 lbs. at 1-1/2 Inches

FINAL DRIVES

Axle Shaft Bearing Preload (-31000)008 to .010 Inch
Axle Shaft Rolling Torque (31001-Up)	25 Inch-Lbs
Final Drive Pinion Shaft Preload (all tractors)000 to .003 Inch

CAP SCREW TORQUES

Brake Anchor Hex. Nut	125 Ft-Lbs
Flanged Axle Shaft Inner Bearing Retainer	55 Ft-Lbs
Final Drive to Steering Clutch Housing . ("F" strength - six-dash head)	80 Ft-Lbs
("D" strength - three-dash head)	55 Ft-Lbs
Final Drive Pinion Shaft Quill to Final Drive Housing	35 Ft-Lbs
Side Frame To Steering Clutch Housing . ("F" strength - six-dash head)	250 Ft-Lbs
("D" strength - three-dash head)	170 Ft-Lbs
Steering Clutch Housing to Transmission Case Hex. Nuts	350 Ft-Lbs
Steering Clutch Pressure Plate to Brake Drum	20 Ft-Lbs
Steering Clutch To Rear Crossbar Bracket Cap Screws	215 Ft-Lbs
Track Drive Sprocket Dowel Bolt Hex. Nuts	300 Ft-Lbs
Track Drive Sprocket Cap Screws	130 Ft-Lbs