

Product: TRACK LOADER

Model: 955L TRACK LOADER 64J

Configuration: 955L TRAXCAVATOR 64J07632-UP (MACHINE) POWERED BY 3304 ENGINE

Disassembly and Assembly 955K TRACK-TYPE LOADER POWER TRAIN

Media Number -REG00861-00

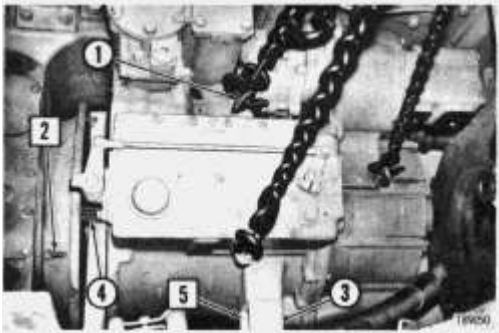
Publication Date -01/11/1993

Date Updated -10/10/2001

Transmission And Torque Converter

SMCS - 1405-016

Transmission Removal And Installation



1-Forged eyebolts (two 5/8" - 11 NC) (one 1/2" - 13 NC). Install and attach a hoist. 2-Transmission case-to-adapter bolts (ten). 3-Support bracket-to-frame bolts (two-not shown). 4-Transmission output shaft. Move transmission forward to clear output shaft before raising. Raise transmission about 3 in. (76,2 mm). 5-Support bracket.

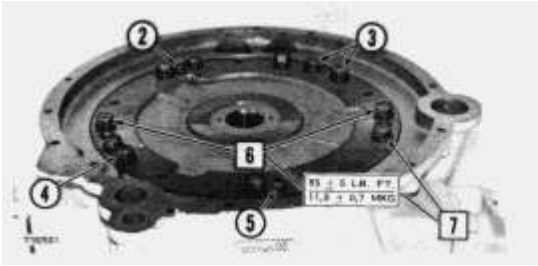


6-Eyebolt and chain. 7-Transmission. Remove by tipping as shown.

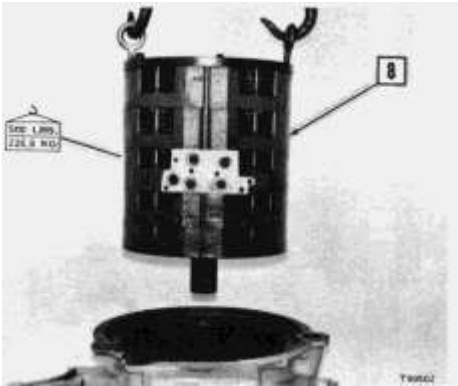
6. Move the forward chain and eyebolt from the top of the torque converter housing to the top of the transmission mounting flange as shown.

Removing Transmission From Case

1. Position the transmission vertically on a suitable stand or blocks.

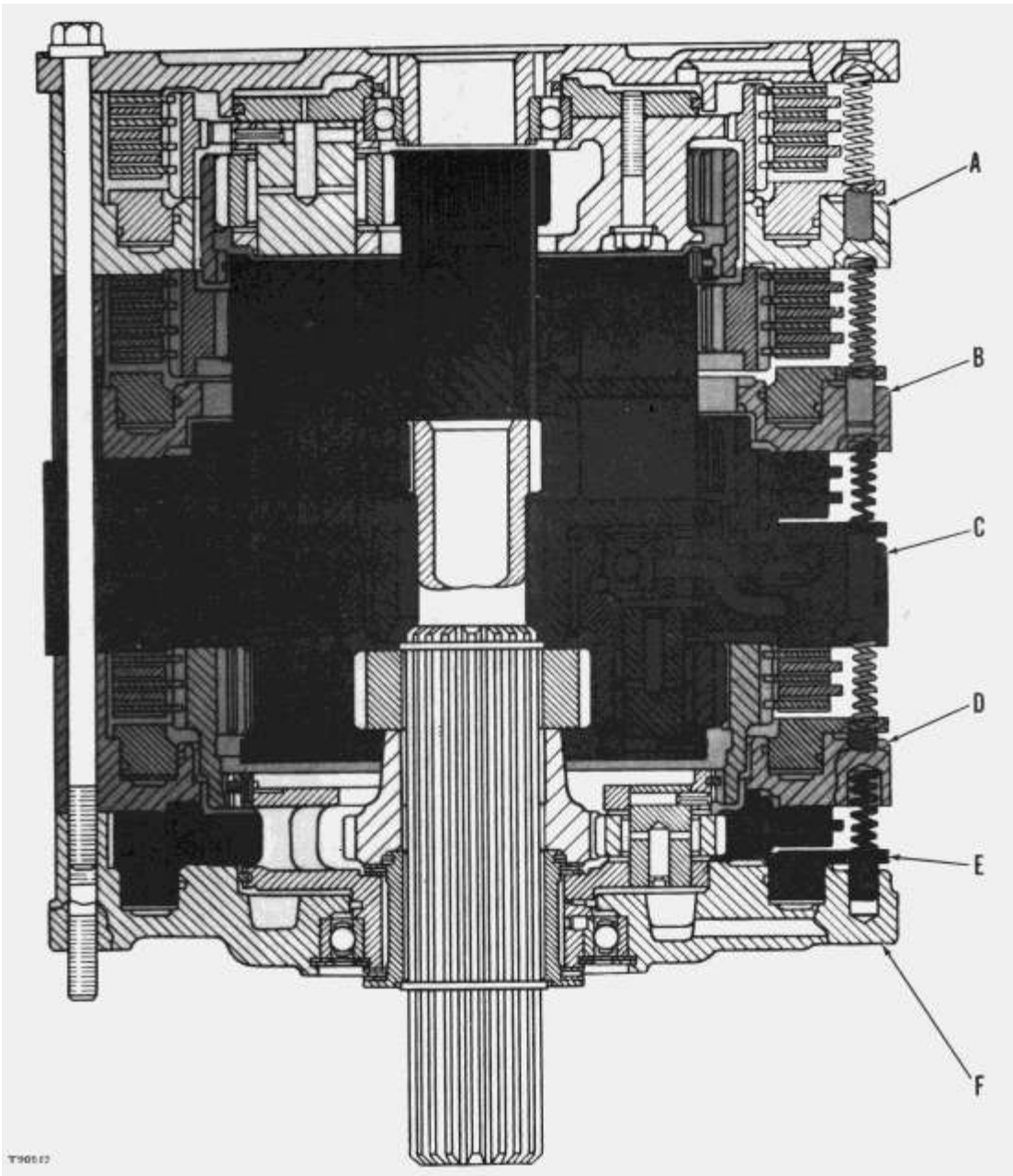


2, 3, 4, 5-Bolts. Do not remove. 6-Bolts (two). Replace with 5/8" - 11 NC forged eyebolts. 7-Bolts (six).



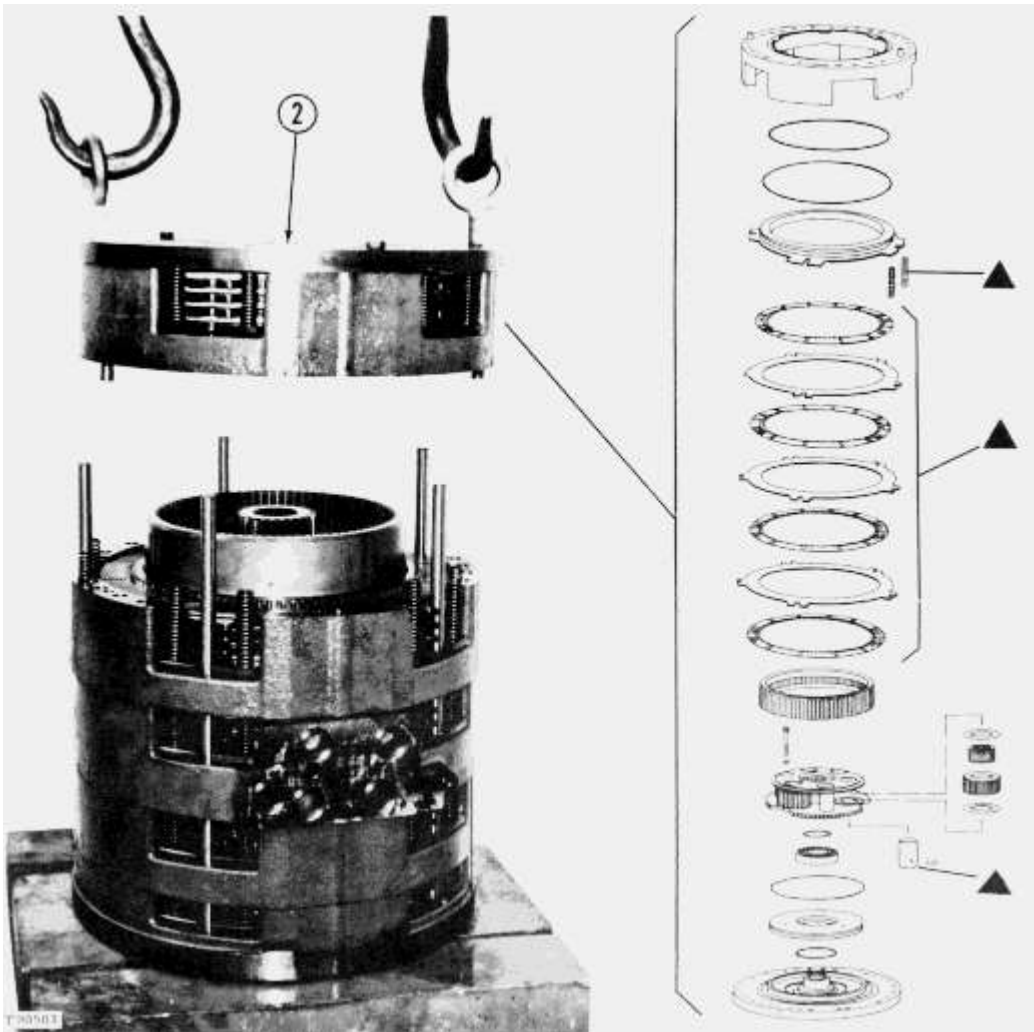
8-Planetary transmission. Remove from transmission case and position vertically on blocks.

Transmission Disassembly



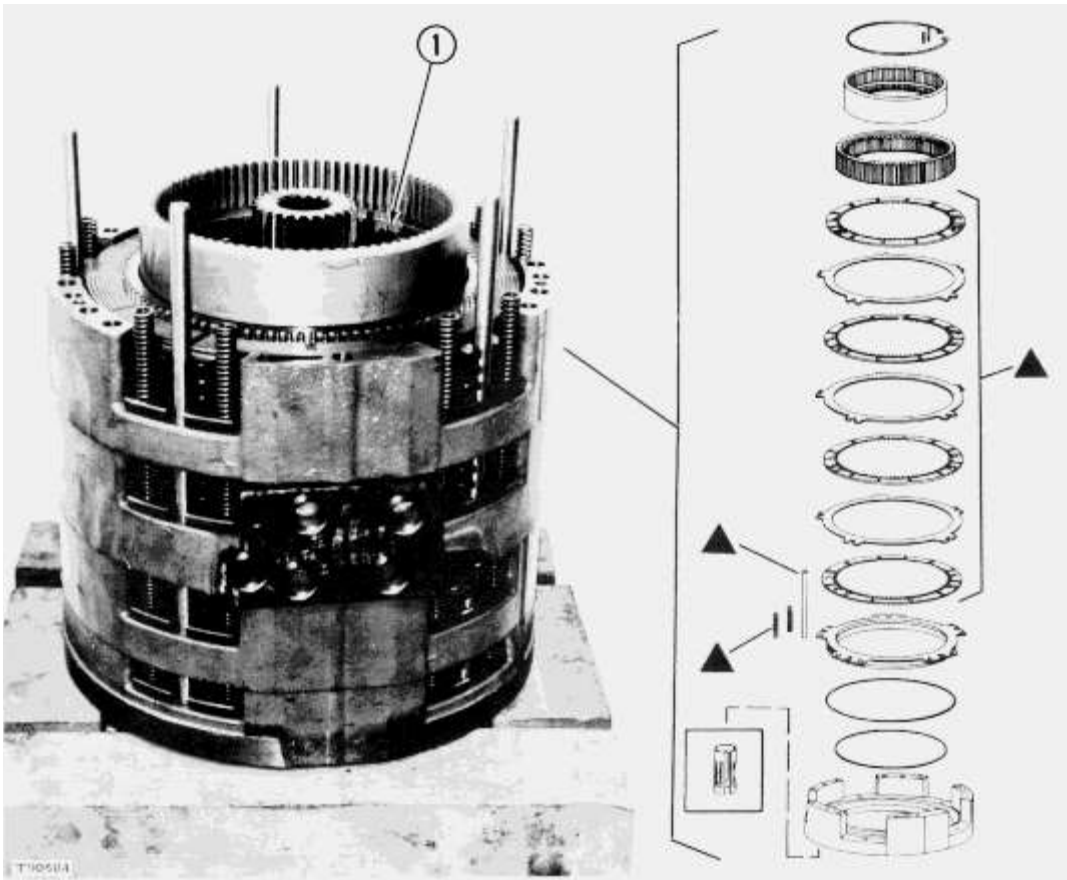
This is a cross section of the planetary transmission. The shaded areas, in order of removal, are: A-No. 1 clutch, clutch housing and planet carrier. B-No. 2 clutch, clutch housing, ring gear and No. 1 ring gear. C-No. 3 clutch, clutch housing and ring gear, No. 1 and No. 2 sun gear, No. 2, No. 3 and No. 4 planet carrier. D-No. 4 clutch, clutch housing and ring gear. E-No. 5 clutch and ring gear. F-No. 5 clutch housing, No. 3, No. 4 and No. 5 sun gears, output shaft.

A - No. 1 Clutch, Clutch Housing and Planet Carrier 1. Remove only the three bolts located by the "S" mark. When installing tighten to a torque of 85 ± 5 lb. ft. ($11,8 \pm 0,7$ mkg).



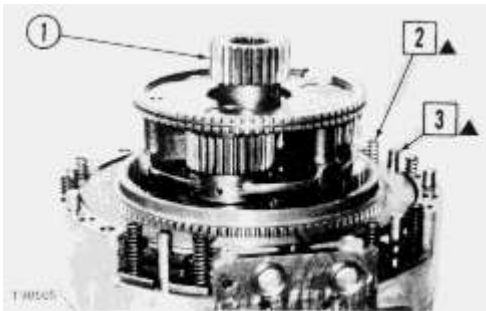
2-No. 1 clutch housing. Invert, remove the two 3/8" bolts and disassemble as shown. The exploded view is shown inverted.

B - No. 2 Clutch, Clutch Housing, Ring Gear and No. 1 Ring Gear

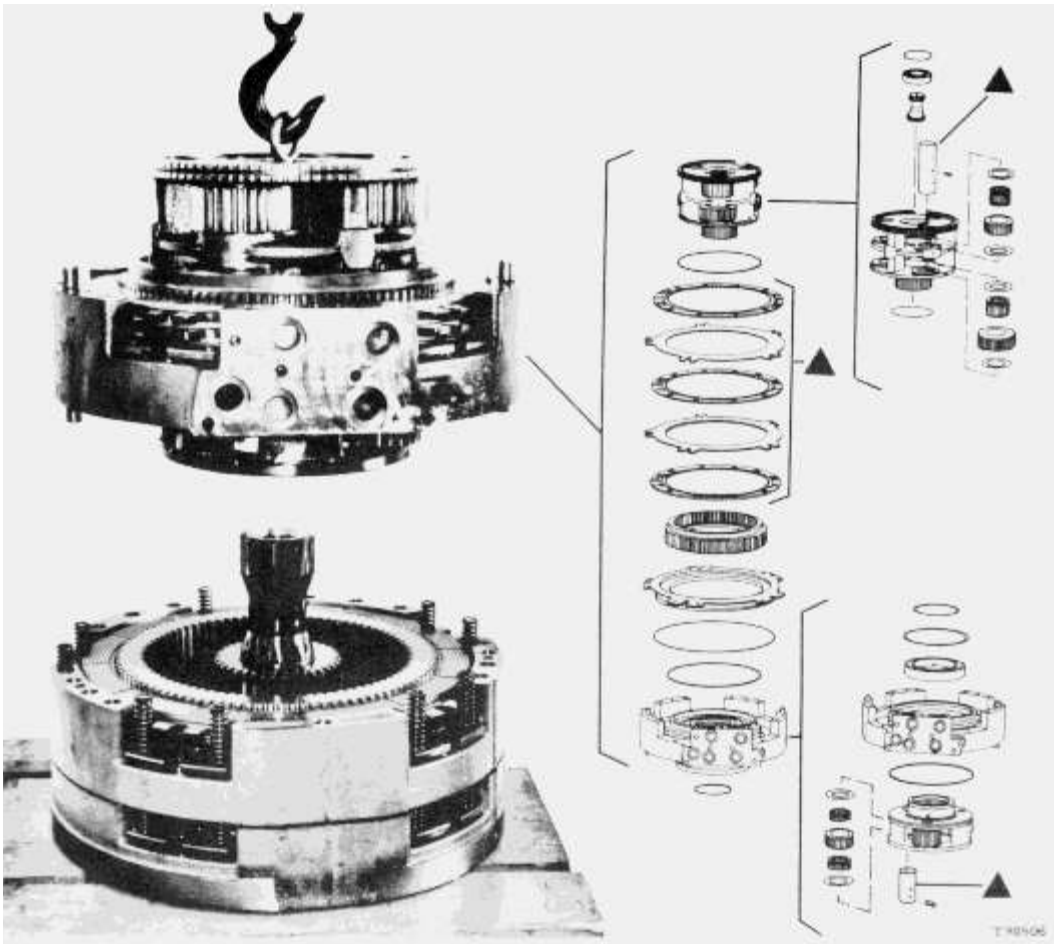


1-Pins (two). Drive flush with face of carrier to allow retaining ring removal.

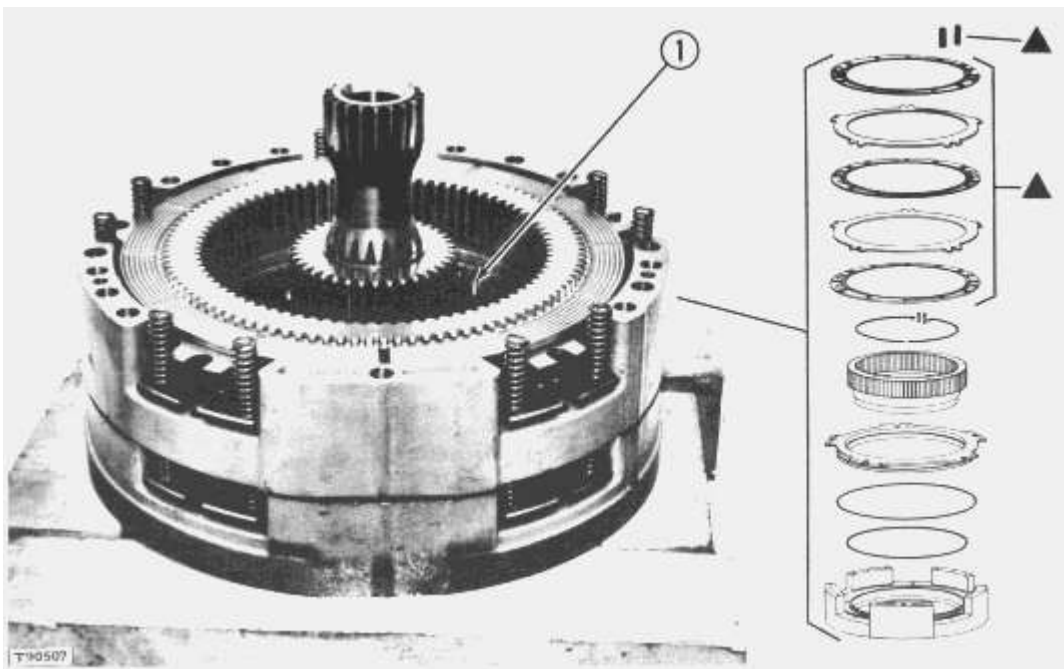
C-No. 3 Clutch, Clutch Housing and Ring Gear, No. 1 and No. 2 Sun Gear, No. 2, No. 3 and No. 4 Planet Carrier



1-Remove bolt and retainer from inside of sun gear. Then remove sun gear and install 3/8" - 16 NC forged eyebolt as shown. 2-Clutch release springs (ten). 3-Clutch reaction pins (five).

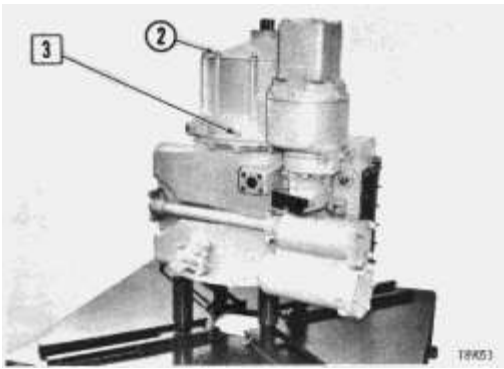


D-No. 4 Clutch, Clutch Housing and Ring Gear

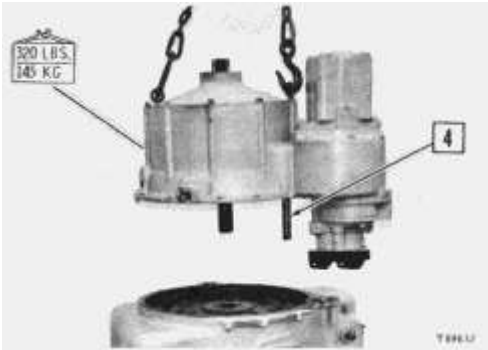


1-Pins (two). Drive flush with face of carrier to allow retaining ring removal.

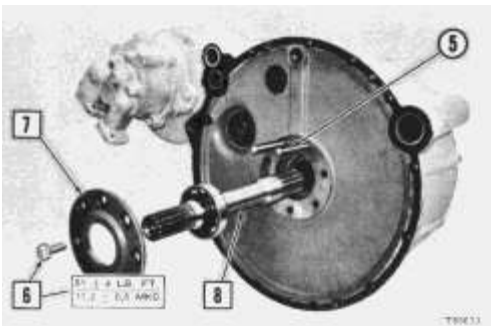
E-No. 5 Clutch and Ring Gear



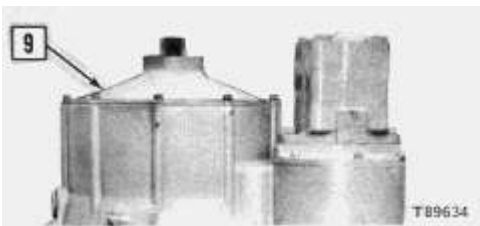
2-Bolts (two). Replace two diametrically opposite bolts with 3/8" - 16 NC forged eyebolts. 3-Bolts (fourteen).



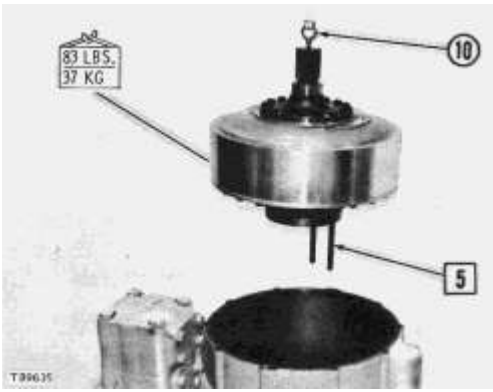
4-Torque converter oil supply tube.



5-Guide pins (two). With torque converter in position shown, remove two retaining bolts and replace with 1/2" - 13 NC guide pins. 6-Bolts (five). 7-Retainer. 8-Output shaft.

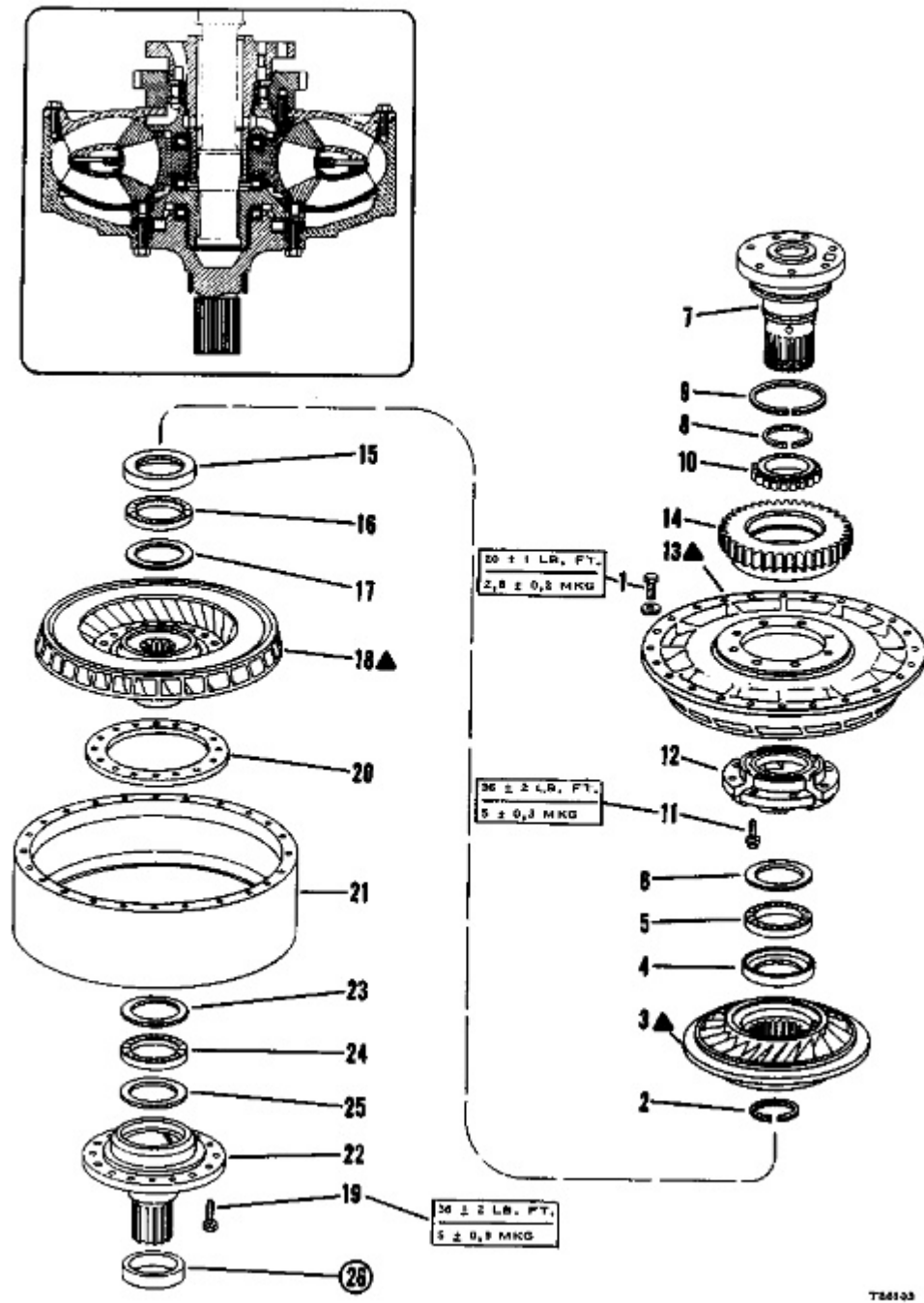


9-Cover.



5-Guide pins (two). 10-Forged eyebolt. Install 1/4" - 20 NC forged eyebolt and attach a hoist.

Torque Converter Disassembly



T26133

7, 26 Use an 8B7548 Push Puller, 8H663 Bearing Pulling Attachment and a S2398 Spacer to remove bearings.

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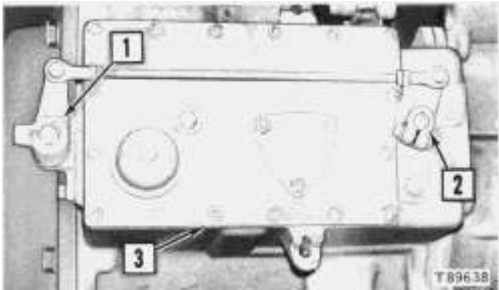
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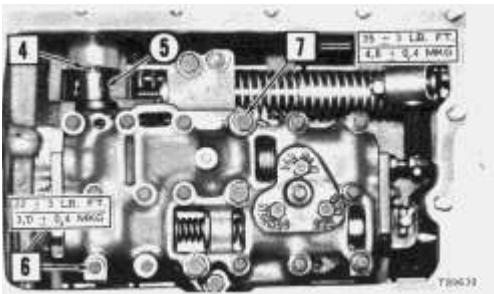
Transmission Hydraulic Controls

SMCS - 1405-016

Transmission Hydraulic Control Removal And Installation

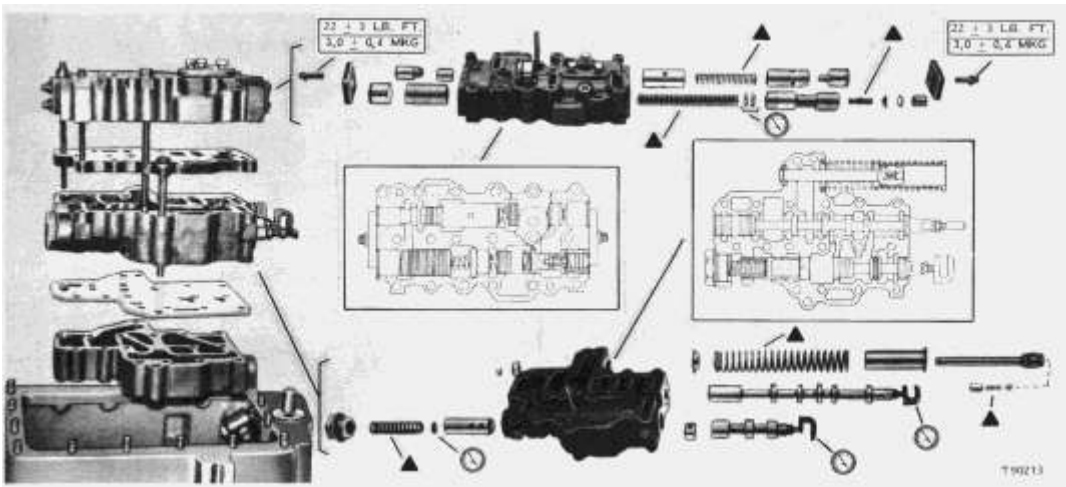


1-Lever. 2-Lever. 3-Cover.

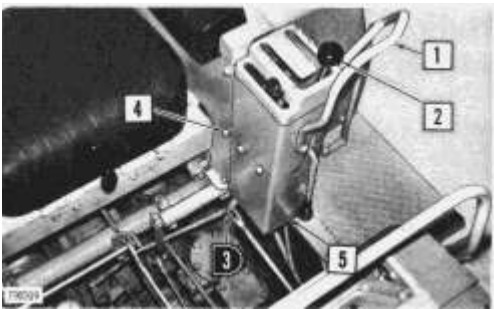


4-Clip. 5-Tube. Push into housing until clear of valve body. 6-Twelve-point head bolts (sixteen). 7-Six-point head bolts (five).

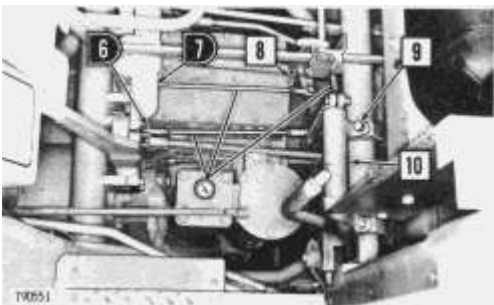
Transmission Hydraulic Control Disassembly



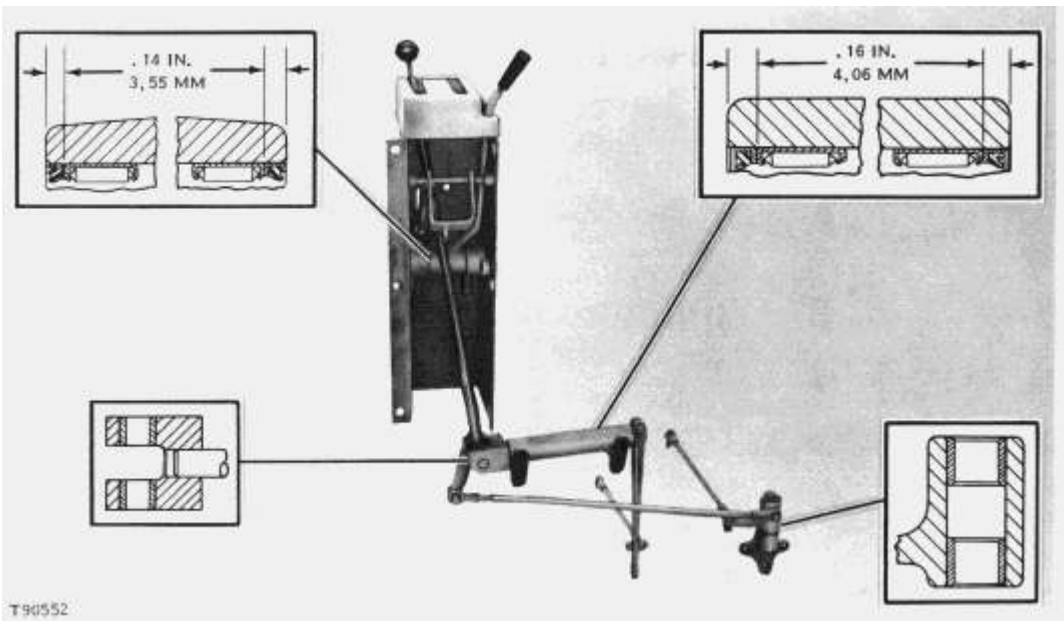
Transmission Mechanical Control Linkage And Column



1-Grab iron assembly. 2-Knob. 3-Governor control linkage. 4-Bolts (six). 5-Column assembly.



6-Speed selector control rod. 7-Directional control rod. 8-Bracket. 9-Bolts (four). 10-Transmission control linkage.



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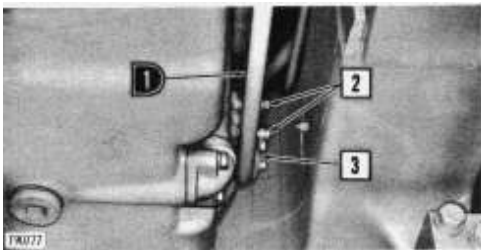
Publication Date -01/11/1993

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Transmission Lubrication System Components

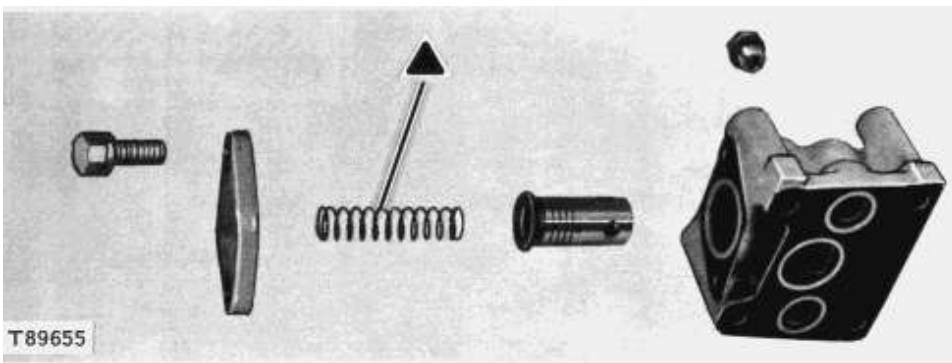
SMCS - 1405-016

Transmission Lubrication Relief Valve Removal And Installation

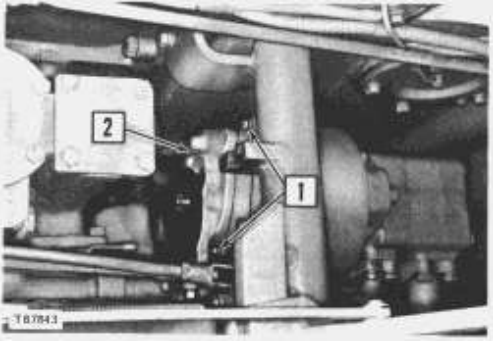


1-Tube assembly. 2-Bolts (four). 3-Lubrication relief valve.

Lubrication Relief Valve Disassembly

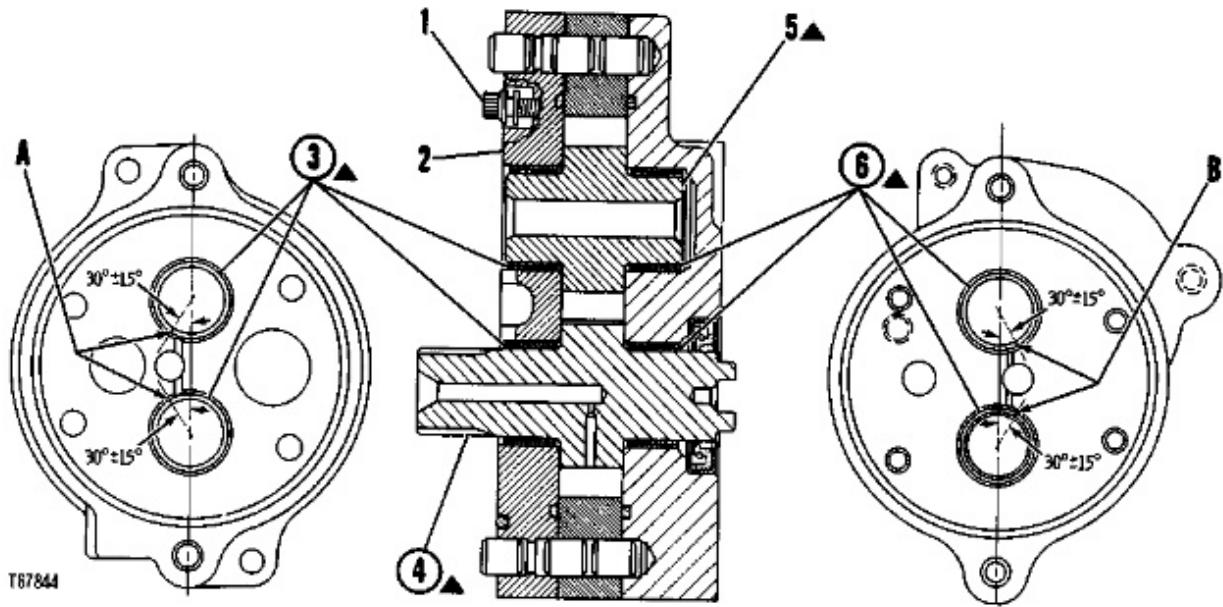


Oil Pump Removal And Installation



1-Bolts (two). 2-Transmission oil pump.

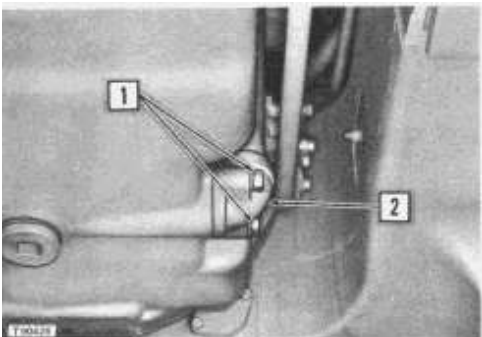
Oil Pump Disassembly



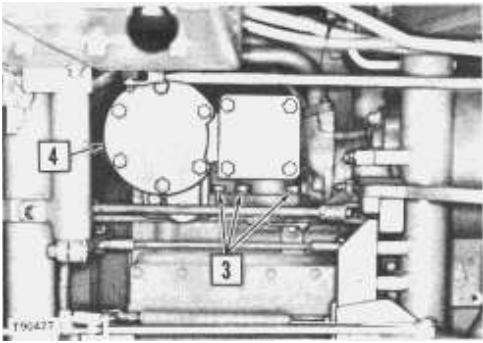
3, 6 Install bearings with joints at (A and B) as shown. Install bearings .062 in. (1,575 mm) below the inner surfaces of the cover and base.

4 Pump drive gear must rotate freely by hand.

Transmission Oil Filter And Screen Removal And Installation

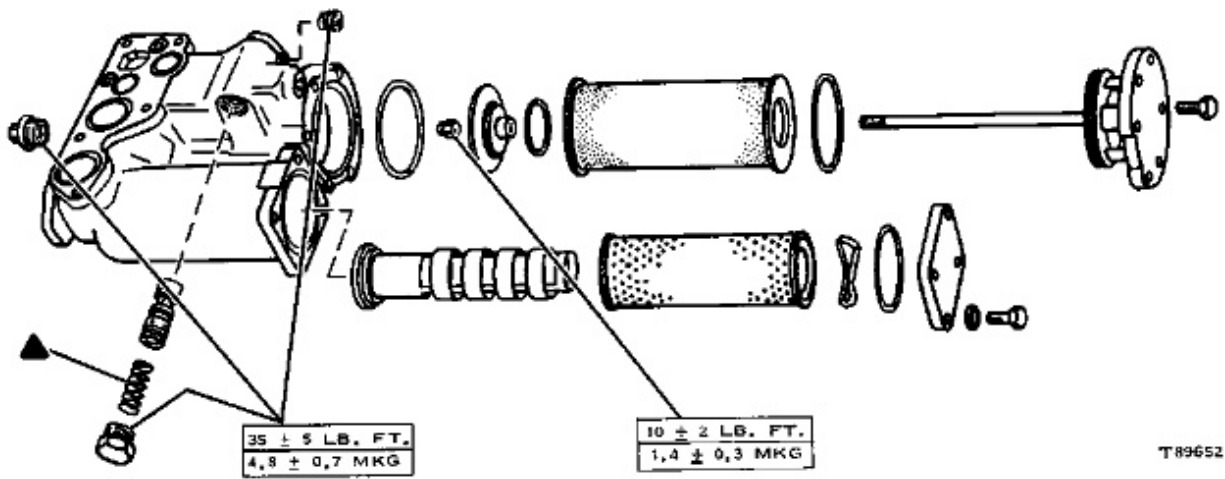


1-Bolts (two). 2-Oil pump supply tube and O-ring seal.



3-Nuts (five). 4-Filter and screen group with O-ring seals.

Transmission Oil Filter And Screen Disassembly



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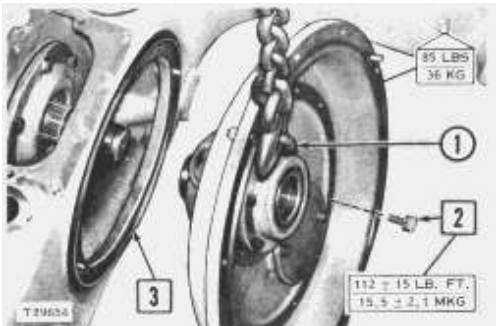
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Bevel Pinion

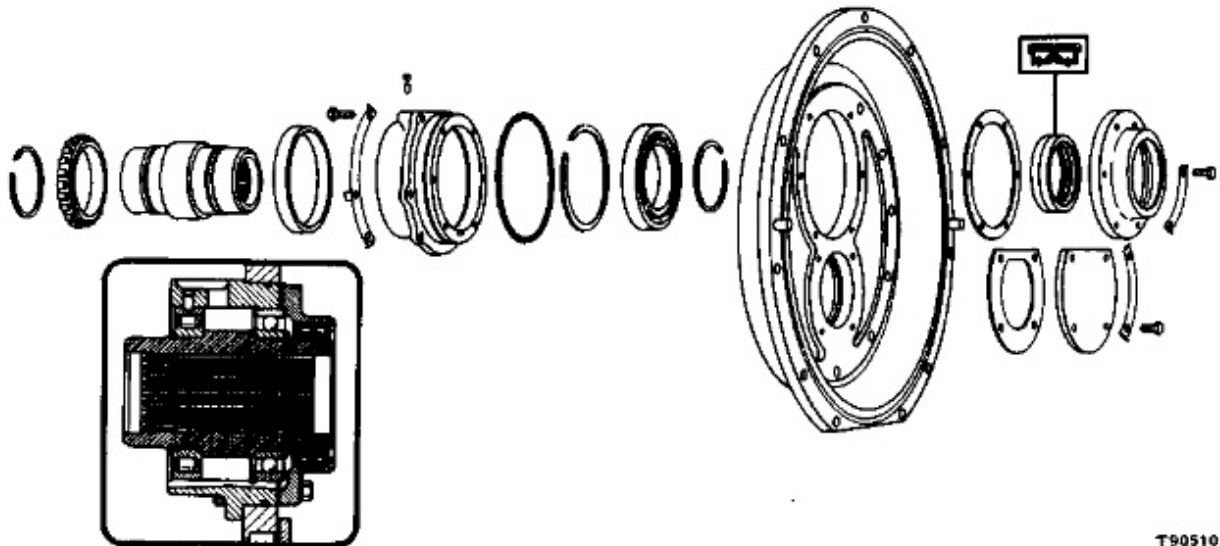
SMCS - 1405-016

Transmission Mounting Adapter Removal And Installation



1-Forged eyebolt (1/2"-13 NC) and nut. Install eyebolt and nut and attach a hoist. 2-Bolts (eleven). 3-Seal.

Transmission Mounting Adapter Disassembly



T90510

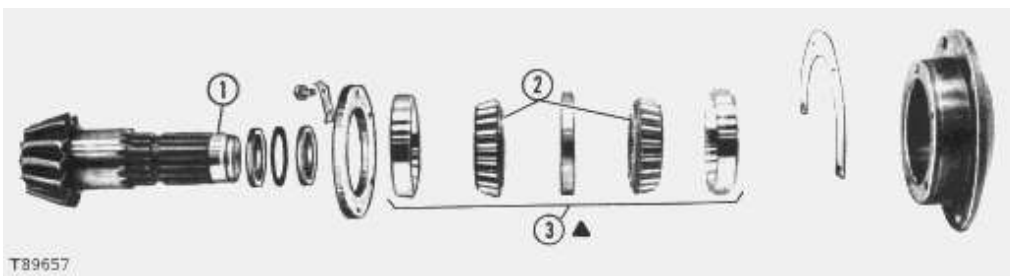
Bevel Pinion, Bearing Cage And Pinion Locating Shims Removal And Installation



1-Bolts (four). 2-Bevel pinion bearing cage and bevel pinion. 3-Bevel pinion locating shims.

NOTE: If the bevel gear location is changed or if a new bearing cage or pinion is installed, the pinion location must be checked. See BEVEL GEAR AND PINION SETTING.

Bevel Pinion And Bearing Disassembly



1 Press spacer onto bevel pinion shaft before installing shaft.

2 Use an arbor press to remove bearing cones.

3 For correct installation see the GENERAL INSTRUCTIONS under BEARINGS - DOUBLE ROW, TAPERED ROLLER.

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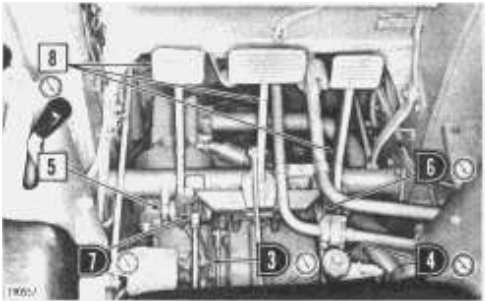
Steering Clutch And Brake Controls

SMCS - 1405-016

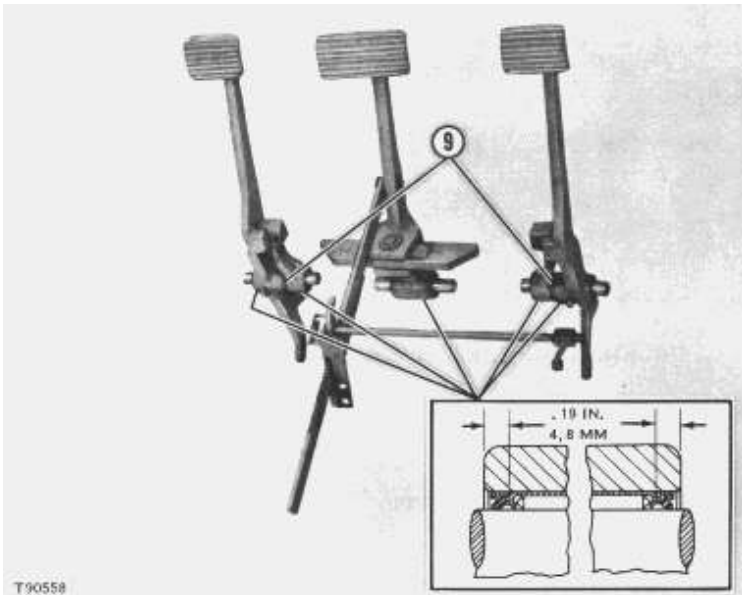
Control Pedals Removal



1-Brake lock linkage. 2-Bracket. Remove two bolts securing bracket to support.

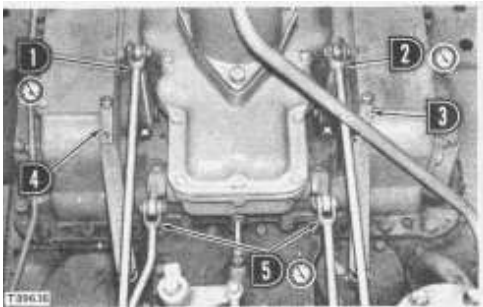


3-Left steering clutch control linkage. 4-Right steering clutch control linkage. 5-Caps (six). 6-Right brake control linkage. 7-Left brake control linkage. 8-Control pedal assemblies.

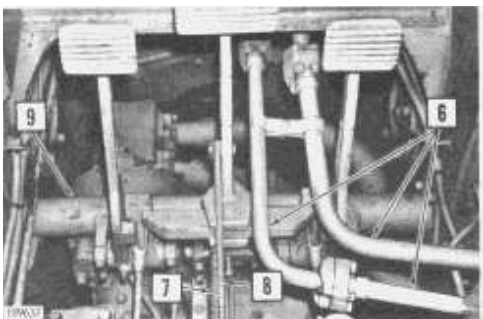


This shows the pedals removed from the machine. The parts pointed out are: 9-Shims. Use as necessary to provide clearance between levers and pedals.

Control Pedals And Support Brace Unit Removal And Installation

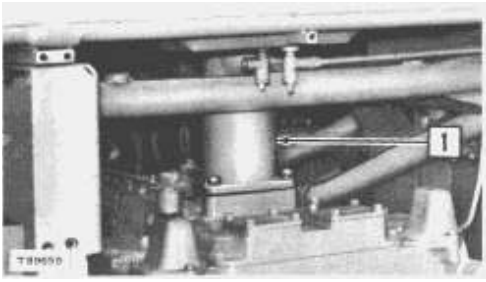


1-Right brake control rod. 2-Left brake control rod. 3-Left brake pedal return spring. 4-Right brake pedal return spring. 5-Steering clutch control rods.



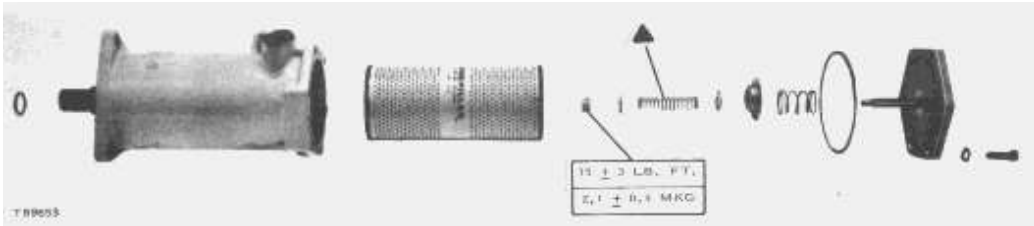
6-Tilt cylinder lines. 7-Center brake pedal return spring. 8-Parking brake lock ratchet. 9-Control pedals and support brace unit.

Steering Clutch Oil Filter Removal And Installation

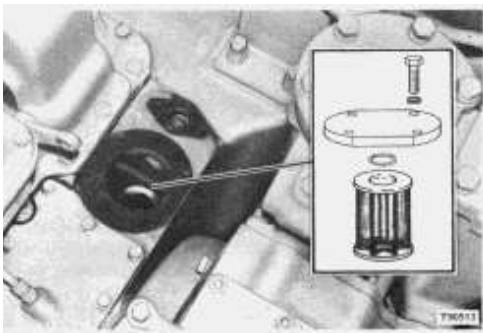


1-Steering clutch oil filter.

Steering Clutch Oil Filter Disassembly

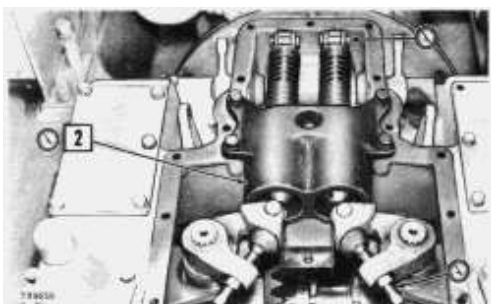


Steering Clutch Oil Screen



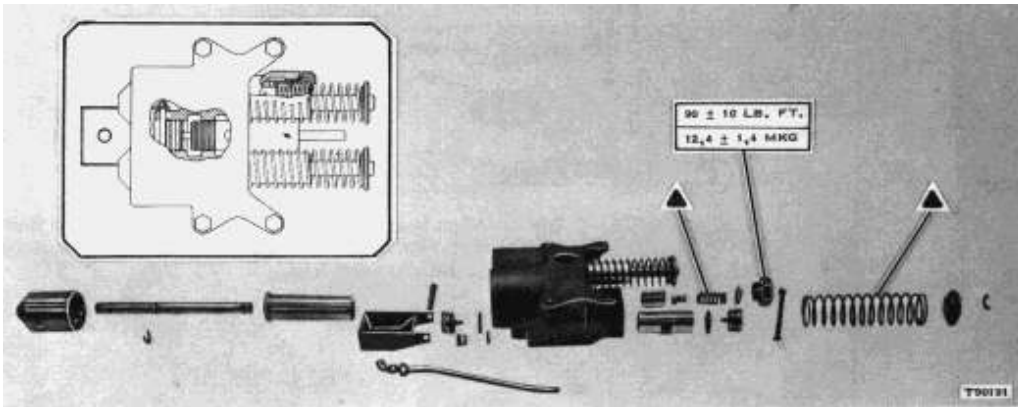
Steering Clutch Hydraulic Booster Removal

1. Remove steering booster cover.

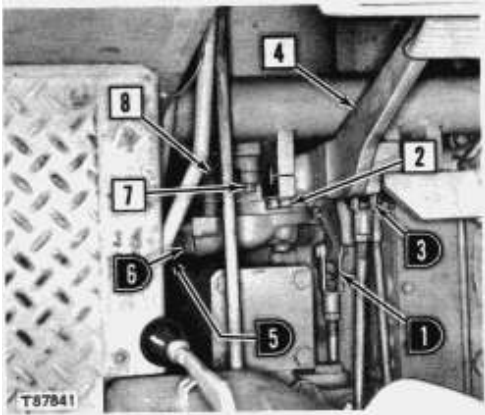


2-Steering clutch hydraulic booster.

Steering Clutch Hydraulic Booster Disassembly

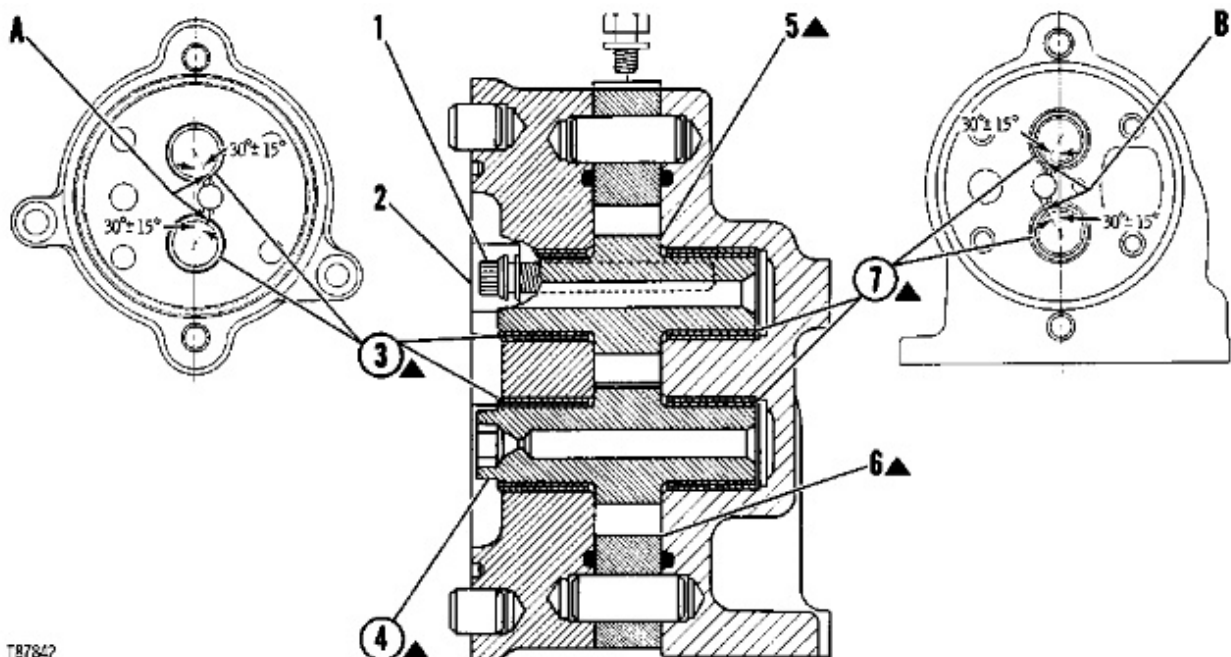


Oil Pump Removal And Installation



Viewed from rear. 1-Left steering clutch control rod. 2-Bolts (four). 3-Left steering clutch brake control rod. 4-Left steering clutch pedal. 5-Pump outlet oil line. 6-Pump inlet oil line. 7-Bolts (two). 8-Steering clutch oil pump.

Oil Pump Disassembly



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