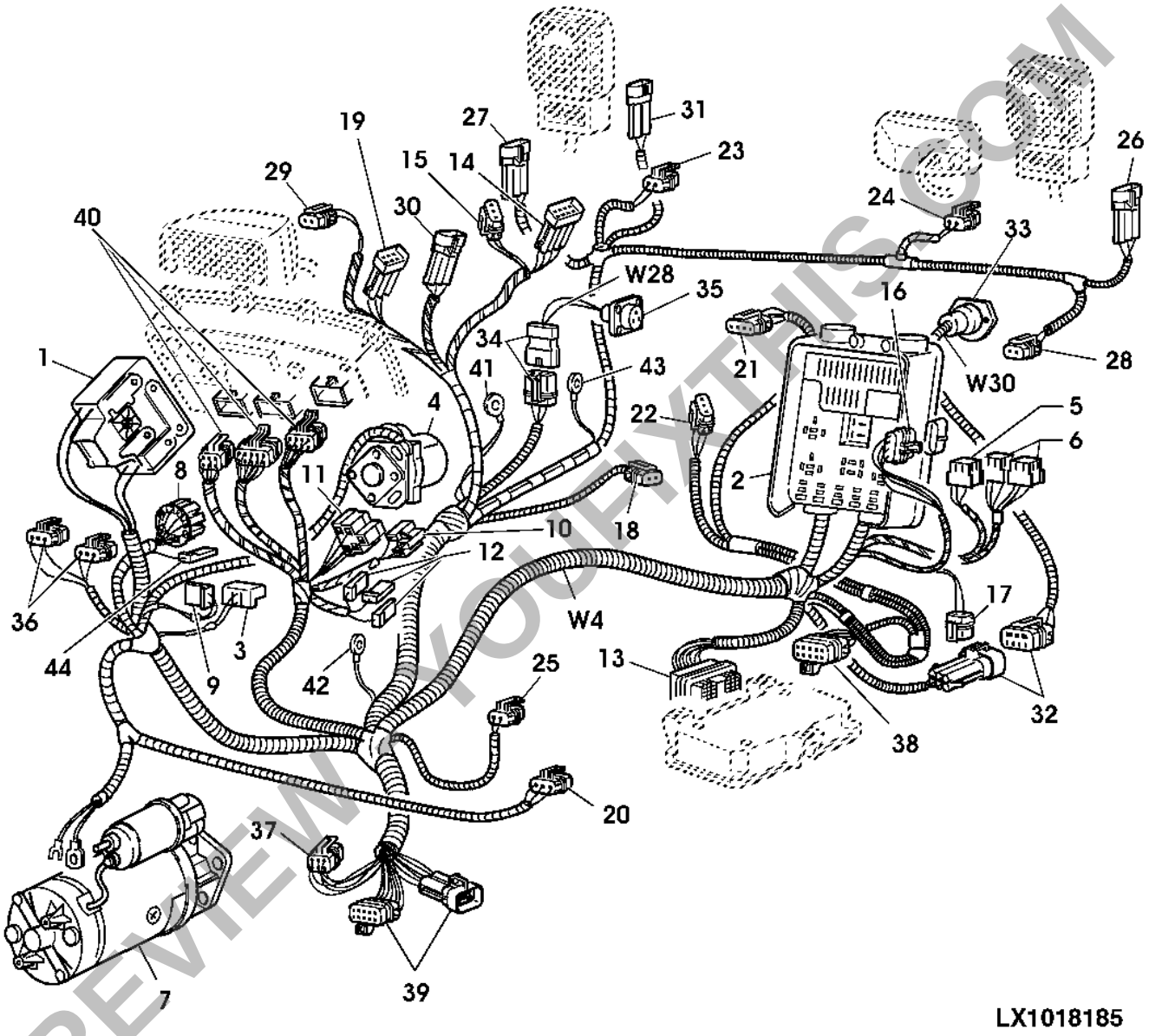
Removing and Installing Open Station Wiring Harness W4 up to Serial No. 249394



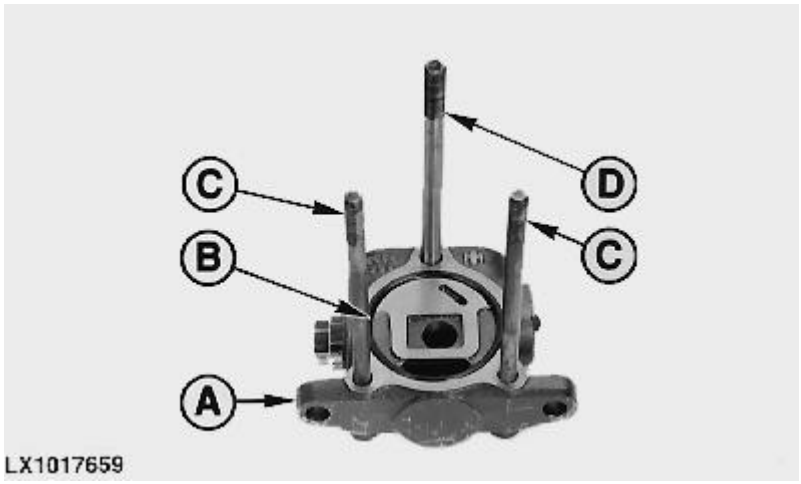
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LEGEND:

1	Main fuse
2	Load center (fuse box)
3	Plug (acoustic warning signal)
4	Starting motor relay
5	Plug (flasher)
6	Plug (rear PTO relay)
7	Starting motor
8	Plug (main switch)
9	Plug (horn button)
10	Plug (turn signal switch)

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Assembling the Independent Control Valve



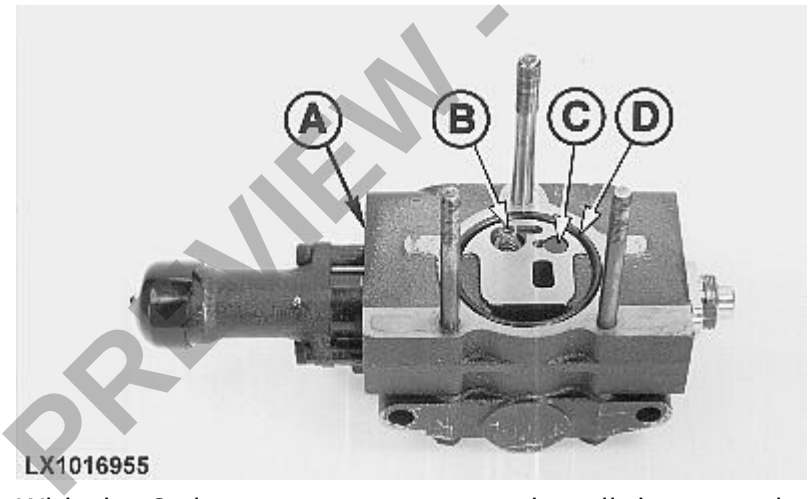
LEGEND:

A	Inlet plate
B	O-ring
C	5/16“ stud
D	3/8” stud

Screw hex. nuts onto the studs. Use the ends of the studs with the shorter thread. Tighten nuts so that one circuit of thread protrudes out of the nut.

Pass studs (C) and (D) through the inlet plate (A) as shown in the illustration.

Install O-ring (B).



With the O-ring groove uppermost, install the control valve (A) for loader mast operation on the inlet plate.

Install O-ring (D).

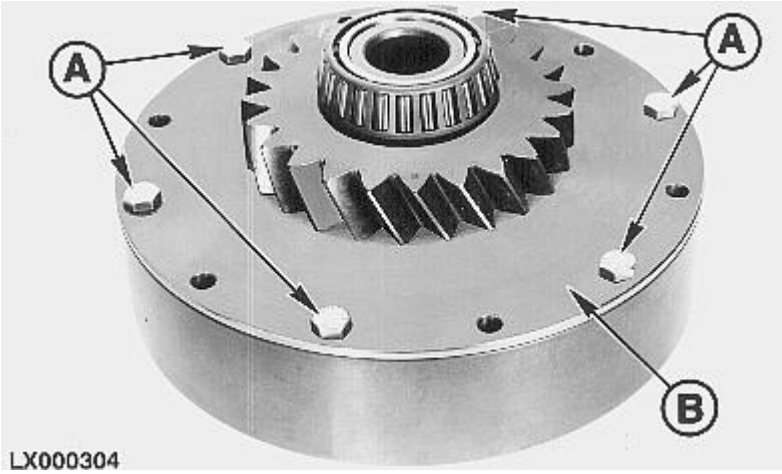
Install the pressure compensator valve nose-down on the valve. Include spring (B).

Install shuttle valve plate (C).

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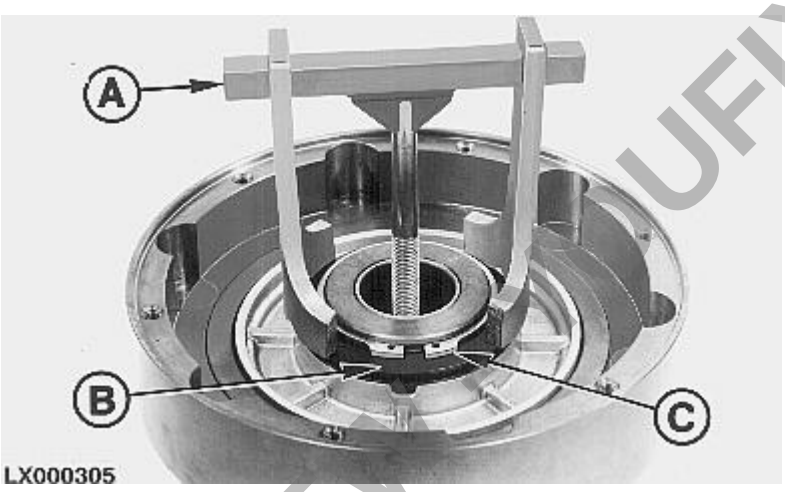
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Repairing the PTO Clutch



Take out cap screws (A) and lift off cover (B).

Take the hub and disks out of the clutch drum.



Using special tool JDT24A (A), compress springs (B). Remove snap ring (C).

→NOTE:

As an accessory to the special tool, use a 50 x 12 mm (2 x 0.5 in.) washer, otherwise the bearing cone may become damaged.

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Specifications

Item	Measurement	Specification
U.j. shaft to drive flange, corrugated-head screws	Torque	135 N·m
		100 lb-ft
Power Reverser ™ module to gear transmission, cap screws	Torque	50 N·m
		35 lb-ft
Clutch bowden cable bracket to clutch housing, cap screws	Torque	11 N·m
		8 lb-ft
Transmission pump - suction line to clutch housing, hex. socket screws	Torque	18 N·m
		13.3 lb-ft
Rear wheel to rear axle		
Tractors with flanged rear axle, cap screws	Torque	500 N·m
		370 lb-ft
Tractors with rack-and-pinion axle	Torque	215 N·m
		160 lb-ft
Tractors with rack-and-pinion axle-key hub half to wheel hub, cap screw	Torque	400 N·m
		300 lb-ft
Transmission oil [See Section 10, Group 05.]	Capacity	approx. 52 L (13.7 U.S.gal.)

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A	Drain screw
B	Bleed screw
C	Drain screw (fuel tank)

Should water or sediment deposits have settled in filter, proceed as follows:

Loosen drain screw (A) and bleed screw (B).

Retighten both screws as soon as water and sediment deposits have drained out.

If water was present in fuel filter, then also slacken off the drain screw (C) under the fuel tank by one turn. After draining off any water deposits, retighten drain screw to 12 N·m (9 lb-ft).

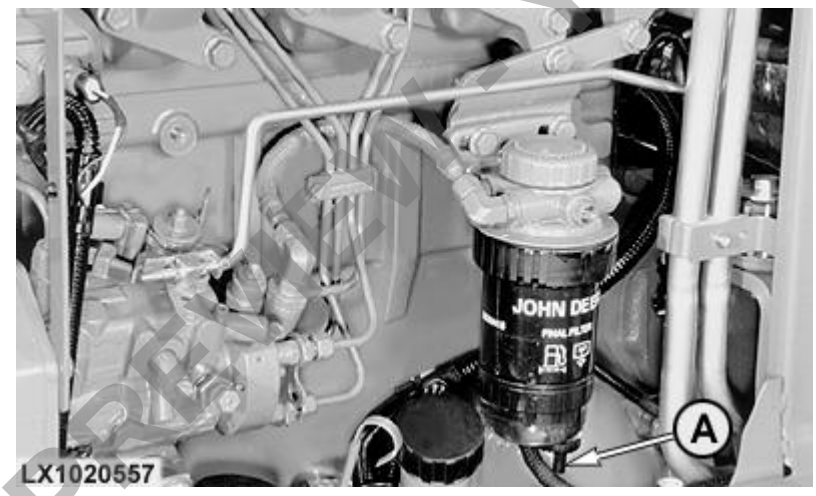
Afterwards, bleed the air from the fuel system.

Bleeding the Fuel System

The fuel system must be bled whenever the fuel system is run dry.

Move gear shift lever or reverse drive lever out of neutral position to prevent engine from starting. Turn ignition key fully to the right (start position or as far as it will go) to make the fuel transfer pump operate. Keep the pump running for approx. 20 seconds.

Clean the Water Trap



LEGEND:

A	Drain plug

Run the Engine until it is Warm, and Check Engine Speeds

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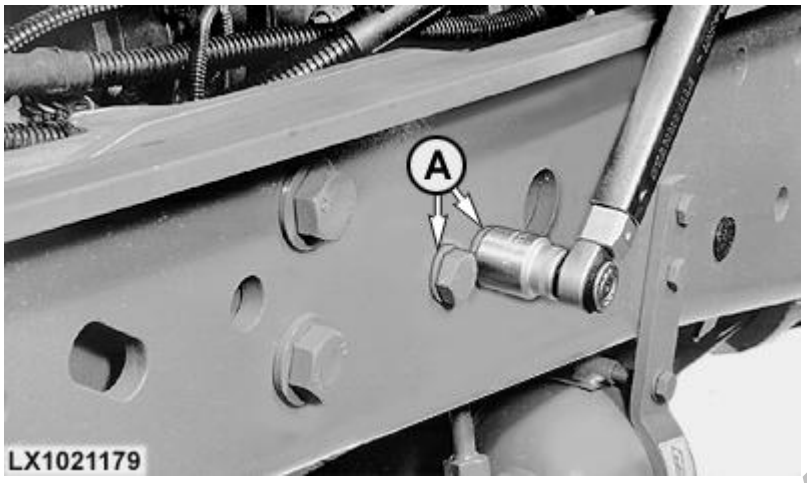
Specifications

Item	Measurement	Specification
Stabilizing rod bracket to final drive, cap screw	Torque	710 N·m (525 lb-ft)
Range transmission housing to differential housing, cap screws	Torque	120 N·m (85 lb-ft)
PTO housing to differential housing, cap screws	Torque	210 N·m (155 lb-ft)
Trailer hitch to PTP housing or to differential housing, hex. socket screws	Torque	340 N·m (250 lb-ft)
FWD clutch housing to range transmission, cap screws	Torque	40 N·m (30 lb-ft)
Oil drain plug to PTO housing	Torque	30 N·m (23 lb-ft)
Dowel pin to differential housing, cap screw	Torque	500 N·m (365 lb-ft)
2-post ROPS, attachment		
M12 cap screws (at front)	Torque	95 N·m (70 lb-ft)
M20 cap screws (at rear)	Torque	400 N·m (300 lb-ft)
Final drives to differential housing, cap screws		
6405 and 6605 tractors	Torque	260 N·m (190 lb-ft)
Rear wheel to final drive		
Tractors with flanged axle, cap screws	Torque	500 N·m (370 lb-ft)
Tractors with rack-and-pinion axle - pinion hub-half to wheel hub, cap screw	Torque	215 N·m (160 lb-ft)
Tractors with rack-and-pinion axle - key hub-half to wheel hub, cap screw	Torque	400 N·m (300 lb-ft)
U.j. shaft to input flange, corrugated-head screws	Torque	See Section 56, Group 05.
Torsion damper to flywheel, hex. socket screws	Torque	See Section 56, Group 05.
U.j. shaft to FWD axle input flange, cap screws	Torque	See Section 56, Group 05.

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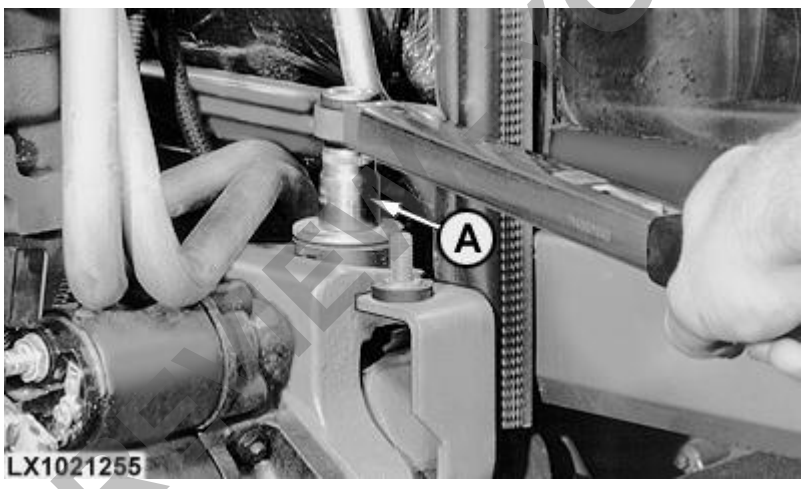
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C	Rubber support pad
D	Flywheel housing (engine)
E	Rubber support pad
F	Cap
G	Engine support (main frame)



Tighten cap screws (A) to the torques prescribed.

Item	Measurement	Specification
Cap screws, engine mounting to main frame (6-cylinder engine)	Torque	350 N·m 255 lb-ft



Tighten the cap screws at the rear engine mounting to the prescribed torque.

Item	Measurement	Specification
Screw in engine mounting	Torque	100 N·m 74 lb-ft

For further assembly, follow disassembly procedure in reverse order.

Add coolant.

Bleed the fuel system. See “Bleeding the Fuel System” , Section 30, Group 10.

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