



Service Repair Manual

Models

428F2 Backhoe Loader

Product: BACKHOE LOADER

Model: 428F2 BACKHOE LOADER LYG

Configuration: 428F2 Side Shift Backhoe Loader LYG00001-UP (MACHINE) POWERED BY C4.4 Engine

Disassembly and Assembly

422F2, 427F2, 428F2, 432F2, 434F2 and 444F2 Backhoe Loaders Powertrain

Media Number -UENR3743-01

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i06145783

Transmission (Direct Drive) - Disassemble

SMCS - 3030-015-DD

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	395-1590	Lifting Eye Assembly	2
B	422-5471	Lifting Eye Assembly	1
C	4C-3652	Spring Compressor	1
D	1P-1859	Retaining Ring Pliers	1
E	8H-0663	Bearing Puller Gp	1
F	8B-7551	Bearing Puller Gp	1
G	1U-6400	Three Jaw Puller	1
H	137-8102	Spring Compressor	1

Start By:

- Remove the transmission.
-



Illustration 1

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1. Use two people to remove torque converter (1). The weight of torque converter (1) is approximately 23 kg (51 lb). Remove torque converter (1) from transmission (2).
 2. Remove bolt (4), the washer, and yoke (3) from transmission (2).
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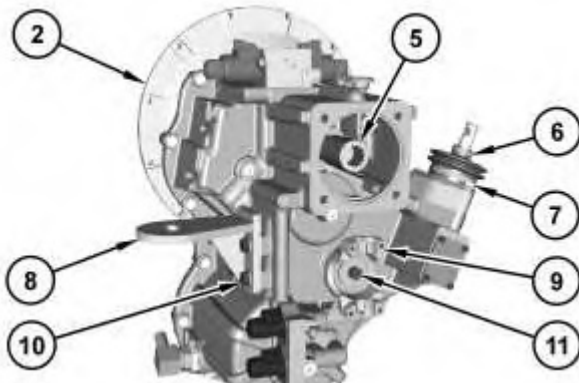


Illustration 2

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3. Remove shaft (5) from transmission (2).
 4. Remove bolts (7) and gear shift (6) from transmission (2).
 5. Remove bolts (10) and support assemblies (8) from transmission (2).
 6. Remove bolt (11), the washer, and yoke (9) from transmission (2).
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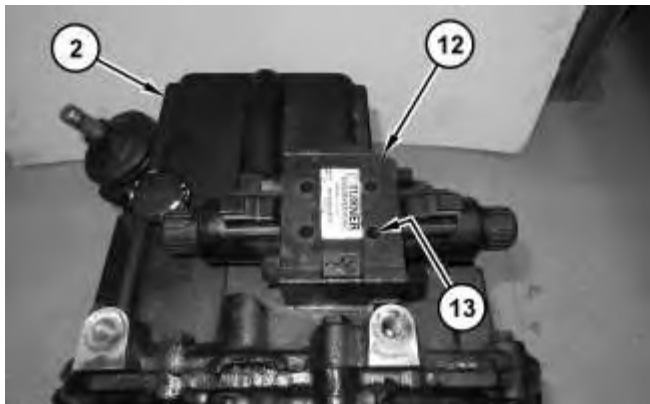


Illustration 3

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7. Remove bolts (13) and solenoid valve (12) from transmission (2).



Illustration 4

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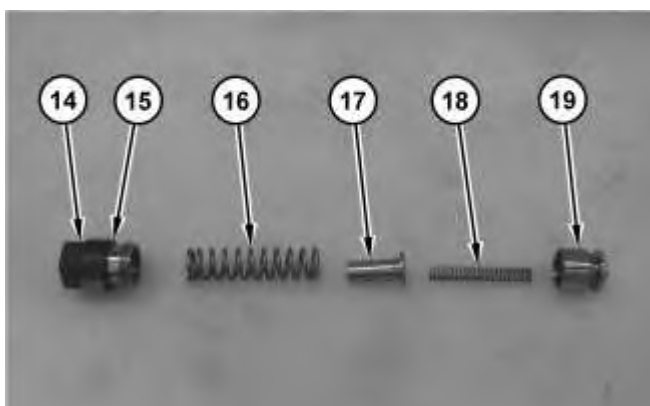


Illustration 5

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WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

8. Remove head (14) from solenoid valve (12). Remove O-ring seal (15) from head (14).
9. Remove spring (16), carrier (17), spring (18), and piston (19) from solenoid valve (12).

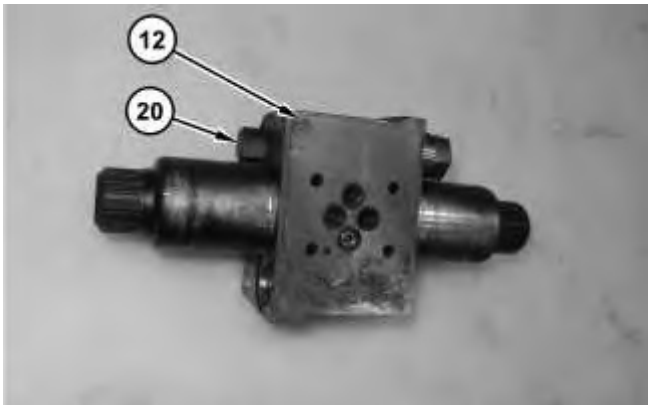


Illustration 6

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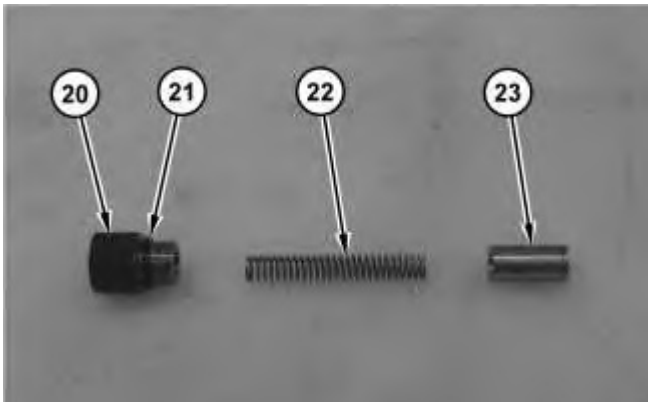


Illustration 7

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WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

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