



# Service Repair Manual

## **Models**

# 430E Backhoe Loader

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Product: BACKHOE LOADER

Model: 430E BACKHOE LOADER RLN

Configuration: 430E Backhoe Loader Single Tilt RLN00001-UP (MACHINE) POWERED BY C4.4 Engine

## Disassembly and Assembly 416E, 420E and 430E Backhoe Loaders Power Train

Media Number -KENR7651-05

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i03475941

## Transmission (Direct Drive) - Disassemble

SMCS - 3030-015-DD

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-5750	Engine Stand	1
B	6V-2157	Link Bracket	2
C	6V-3009	Crossbar	1
	126-7181	Sliding Plate	4
	6V-4832	Forcing Screw	1
	8H-0663	Bearing Puller Gp	1
	126-7177	Puller Leg	2
	126-7178	Puller Leg	2
	126-7179	Puller Leg	2
D	4C-3652	Spring Compressor	1
E	1U-6400	Three Jaw Puller	1
F	8B-7551	Bearing Puller Gp	1
G	1P-1859	Retaining Ring Pliers	1
H	-	Rod M16 - 2.00 by 698.5 mm	1

	8T-4132	Nuts	2
	9X-8257	Washers	2
	3H-0465	Push-Puller Plate	1
J	6V-3822	Bolts	2
	8T-4121	Hard Washers	2

### Start By:

- Remove the transmission. Refer to Disassembly and Assembly, "Transmission (Direct Drive) - Remove".

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### NOTICE

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

**Refer to Special Publication, NENG2500, "Caterpillar Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Caterpillar products.**

**Dispose of all fluids according to local regulations and mandates.**

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**Note:** Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

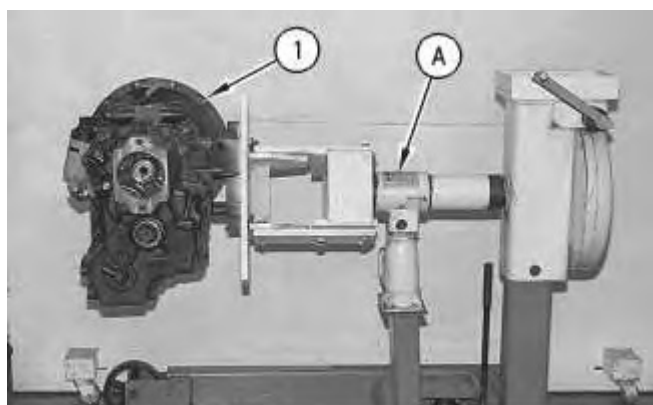


Illustration 1

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1. Install transmission (1) on Tooling (A).
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Illustration 2

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2. Remove implement pump drive shaft (2) from transmission (1).



Illustration 3

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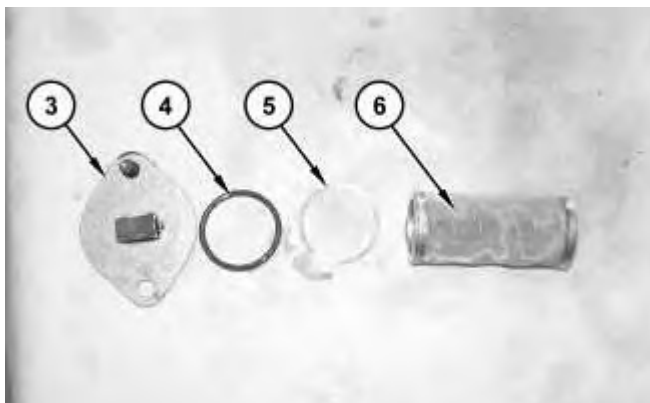


Illustration 4

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3. Remove cover (3). Remove O-ring seal (4) and remove spacer (5). Remove screen (6).

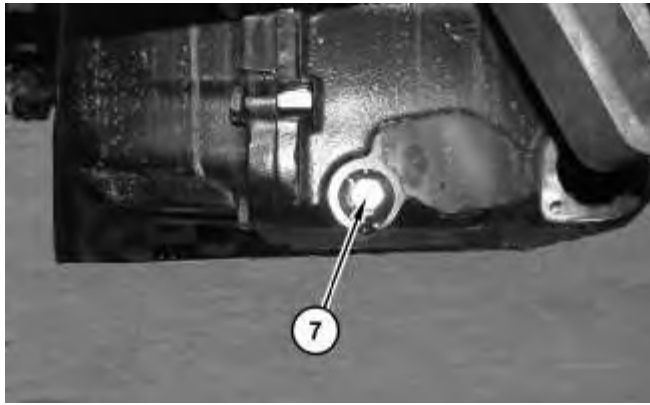


Illustration 5

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4. Remove plug (7). Drain the transmission oil into a suitable container. The capacity of the transmission is 11.3 L (3 US gal).

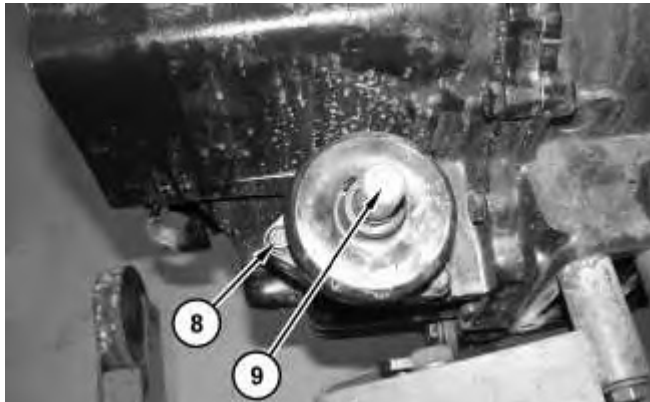


Illustration 6

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5. Remove bolts (8) from gearshift assembly (9).

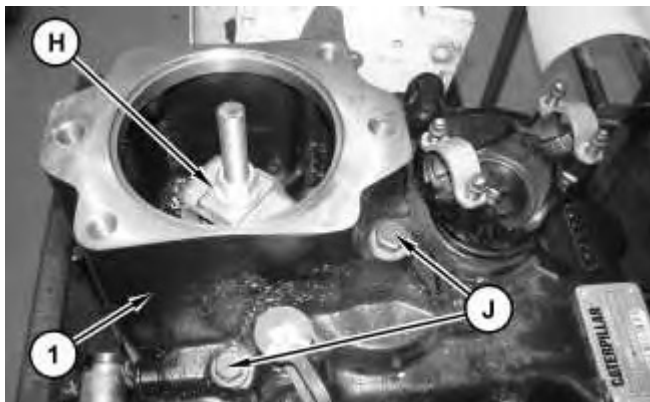


Illustration 7

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6. Attach Tooling (H) and Tooling (J) to transmission (1).

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