



Service Repair Manual

Model

416E BACKHOE LOADER

Product: BACKHOE LOADER

Model: 416E BACKHOE LOADER SHA

Configuration: 416E Backhoe Loader Single Tilt Center Pivot SHA00001-UP (MACHINE) POWERED BY 3054C Engine

Disassembly and Assembly

414E, 416E, 420E, 422E, 428E, 430E, 432E, 434E, 442E and 444E Backhoe Loaders Power Train

Media Number -REN6475-13

Publication Date -01/07/2017

Date Updated -13/07/2017

i02212927

Solenoid Valve (Transmission) - Remove

SMCS - 5479-011-T3

Removal Procedure

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.

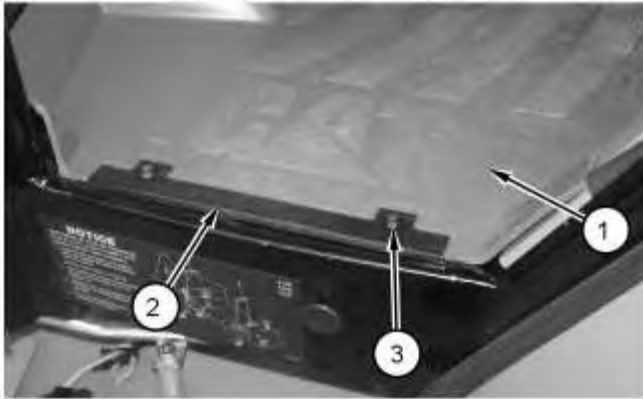


Illustration 1

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1. Remove bolts (3), plate (2) and floor mat (1).

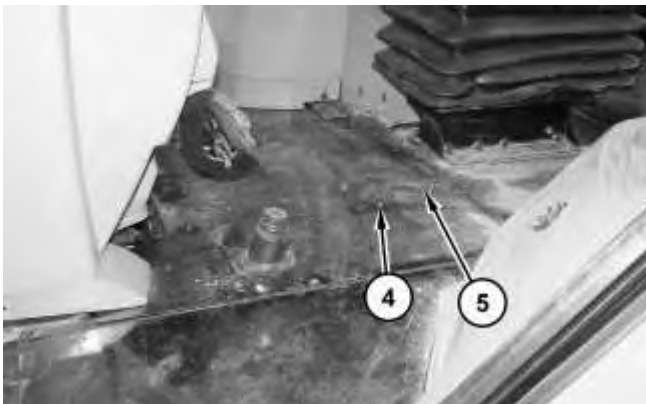


Illustration 2

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Illustration 3

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2. Remove bolts (4) and place floorplate (5) to the side.

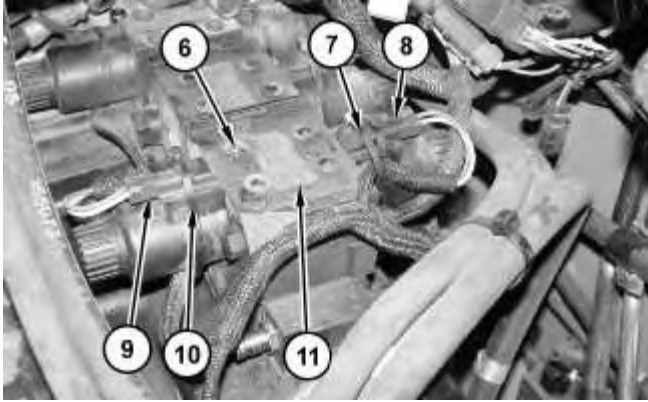


Illustration 4

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3. Remove cable straps (7) and (10). Disconnect harness assemblies (8) and (9). Remove four plugs and bolts (6). Remove solenoid valve (11). Repeat for the remaining two solenoid valves.

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i02213642

Solenoid Valve (Transmission) - Install

SMCS - 5479-012-T3

Installation Procedure

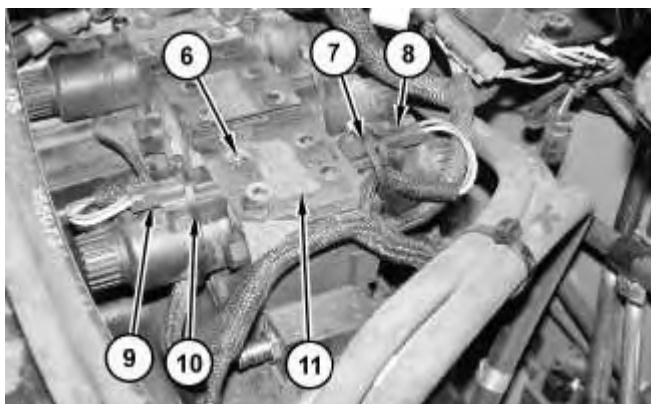


Illustration 1

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1. Install solenoid valve (11). Connect harness assemblies (8) and (9). Install cable straps (7) and (10). Install four bolts (6) and plugs . Repeat for the remaining two solenoid valves.

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