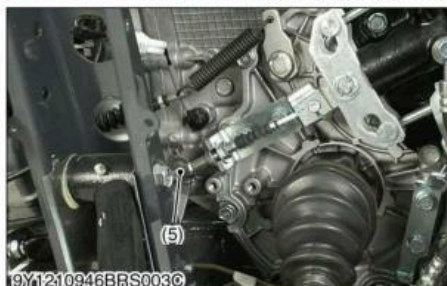
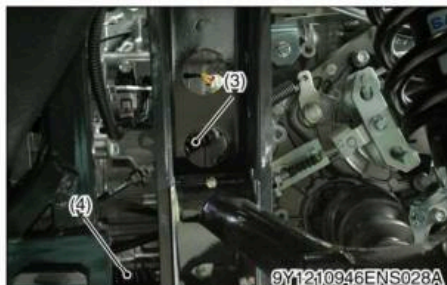


WSM

WORKSHOP MANUAL
UTILITY VEHICLE

RTV-X900,RTV-X1120D

Кубота



Cables

1. Disconnect the hydraulic lift cable (1).
2. Disconnect the 4WD shift cable (2).
3. Disconnect the differential lock cable (3).
4. Disconnect the range gear shift cable (4).
5. Disconnect the parking brake cable (5).

(When reassembling)

- Adjust the length of hydraulic lift cable. (See page 7-S6.)
- Adjust the length of 4WD shift cable. (See page 2-S16.)
- Adjust the length of differential lock cable. (See page 2-S17.)
- Adjust the length of range gear shift cable. (See page 2-S15.)
- Adjust the length of parking brake cable. (See page 4-S7.)

- | | |
|-----------------------------|----------------------------|
| (1) Hydraulic Lift Cable | (4) Range Gear Shift Cable |
| (2) 4WD Shift Cable | (5) Parking Brake Cable |
| (3) Differential Lock Cable | |

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Radiator Hose

1. Disconnect the radiator hose (1).
2. Disconnect the breather hose (2).

- | | |
|-------------------|-------------------|
| (1) Radiator Hose | (2) Breather Hose |
|-------------------|-------------------|

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Unload Cable Linkage

1. Disconnect the oil temperature switch connector (1).
2. Remove the unload cable linkage (2) with unload cable.

(When reassembling)

- Adjust the unload cable. (See page 2-S18.)

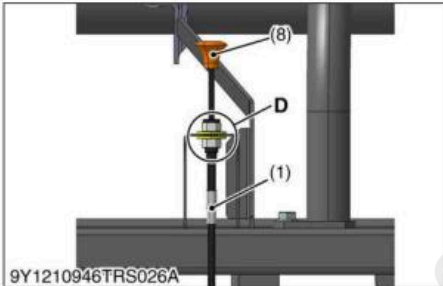
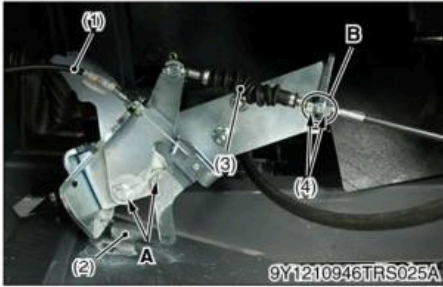
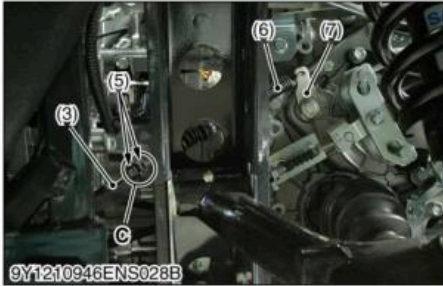
- | | |
|--------------------------------------|--------------------------|
| (1) Oil Temperature Switch Connector | (2) Unload Cable Linkage |
|--------------------------------------|--------------------------|

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MECHANISM

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Checking Differential Lock Cable

(Adjustment of the length of the cable for differential lock)

⚠ CAUTION

- When checking, park the machine on flat ground, apply the parking brake.

1. Check that the cable to the transmission case, with the cable outer section screw being set near the center.
2. Adjust the length of the cable outer section so that the differential lock spring (6) has no play, and tighten the lock nut (4).
3. Hook the end of wire to the hole.
4. Install the wire (1) on the stay, set the adjusting at the center top of thread "C".
5. Hook the spring (2).
6. Adjust the wire (1) on the stay, set the top of thread "D".

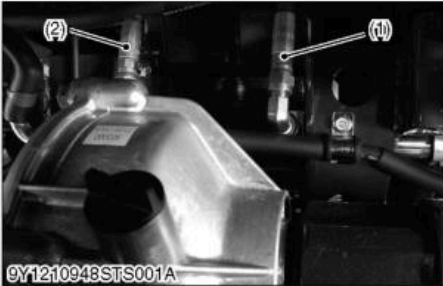
- (1) Wire
- (2) Spring
- (3) Differential Lock Cable
- (4) Lock Nut
- (5) Lock Nut
- (6) Differential Lock Spring
- (7) Differential Lock Lever
- (8) Knob

- A: Apply spray grease to pins.
- B: Adjust the nuts.
- C: Center of thread
- D: Adjust the top of tread

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4. CHECKING AND DISASSEMBLING

[1] CHECKING AND ADJUSTING



Relief Valve Operating Pressure

⚠ CAUTION

- When checking, park the machine on flat ground, apply the parking brake.
- Set the range gear shift lever in **NEUTRAL** position.
- Work by two people when you measure pressure.

■ NOTE

- After set a pressure gauge, be sure to bleed air.
- Note that the pressure value changes by the pump action of the power steering controller when the steering operation is continued after the steering wheel is lightly locked and accurate relief valve pressure cannot be measured.

1. Disconnect the cylinder hose LH (2) (or RH (1)) from power steering cylinder, and set a pressure gauge.
2. Start the engine and set at maximum speed.
3. Fully turn the steering wheel to the left (or right) to check the feeling which the steering wheel lightly locks. Read the relief valve operating pressure when the steering wheel to the above mentioned lock position.

(Reference)

- Hose and adaptor Tee, swivel (9/16-18).

Relief valve operating pressure	Factory specification	8.00 to 9.00 MPa 81.6 to 91.7 kgf/cm ² 1160 to 1300 psi
---------------------------------	-----------------------	--

Condition

- Engine speed:
(RTV-X900) 3000 min⁻¹ (rpm)
(RTV-X1120D) 3200 min⁻¹ (rpm)
- Oil temperature:
45 to 55 °C (113 to 131 °F)

(When reassembling)

Tightening torque	Power steering cylinder hose retaining nut	24.0 to 25.0 N·m 2.45 to 2.54 kgf·m 17.7 to 18.4 lbf·ft
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(1) Cylinder Hose RH

(2) Cylinder Hose LH

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Adjusting between Front Upper Arm and Stopper

1. Adjust the stopper bolt (1) to make a specified length as shown in the table.
2. Perform the same procedure on the other side.

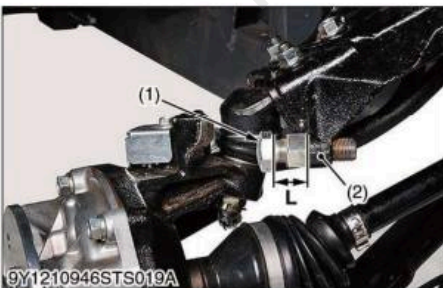
Length between front upper arm and stopper "L"	Factory specification	22 mm 0.87 in.
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(1) Stopper Bolt

L: Length

(2) Front Upper Arm

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Full Version Available

Kubota RTV-X1120D Utility Vehicle Workshop Manual

This is a short preview. The complete manual contains all chapters, wiring diagrams, torque specifications and full service procedures.

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