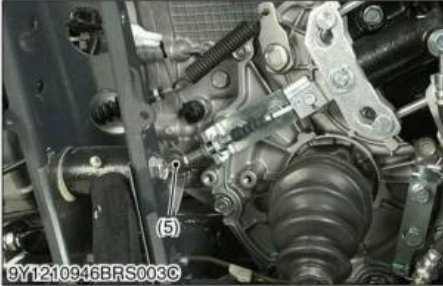
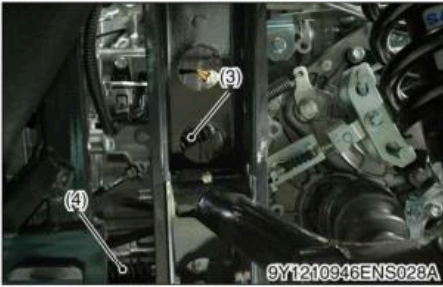
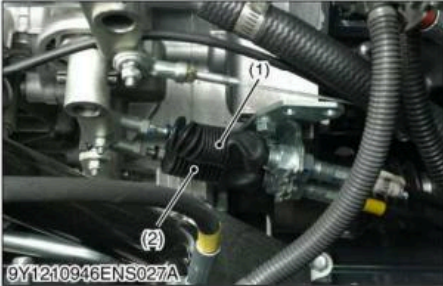


WSM

WORKSHOP MANUAL
UTILITY VEHICLE

RTV-X1140

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-S14.)
- Adjust the length of differential lock cable. (See page 2-S15.)
- Adjust the length of range gear shift cable. (See page 2-S13.)
- 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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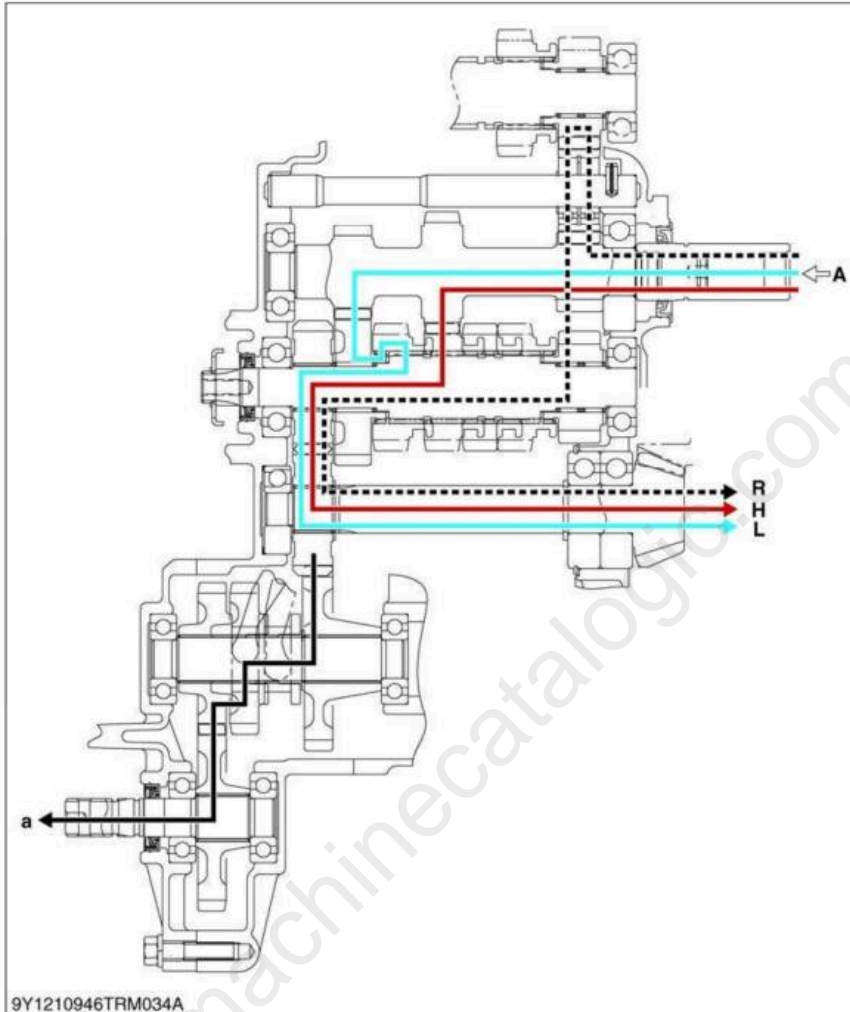
Radiator Hose

1. Disconnect the upper engine radiator hose (1).
2. Disconnect the air breather hose (2).
3. Disconnect the lower engine radiator hose (3).

- | | |
|--------------------------------|--------------------------------|
| (1) Upper Engine Radiator Hose | (3) Lower Engine Radiator Hose |
| (2) Air Breather Hose | |

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[2] RANGE GEAR SHIFT SECTION AND FRONT WHEEL DRIVE SECTION



R: Reverse
 L: Low Speed
 H: High Speed
 a: 4 Wheel Drive
 A: From HST Output Shaft

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■ Range Gear Shift Section

First, power is transmitted to the HST at the back of the transmission case. The HST power is then removed to the front and transmitted further to the range shift section.

The speed can be changed in 2 steps forward and in single step backward. The shifting is made through the cable linkage of the shift lever at the operator's seat. The speed change system is of constant mesh type.

■ Front Wheel Drive Section

This section is located near the range gear shift section. The front wheel drive select lever at the operator's seat is used to switch between the two wheel and four wheel drive. The front wheel drive select lever and the range gear shift lever are cable connected. Sliding gear system is adopted, in which the shifter gears are directly moved.

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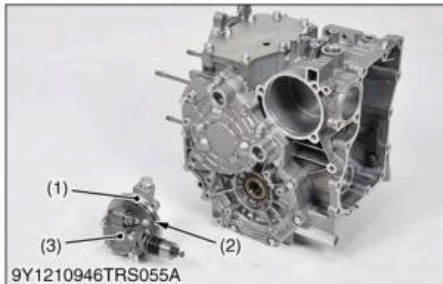
**Control Valve**

1. Remove the valve cover (1) with control valve (3).
- (When reassembling)**
- Be sure not to damage the O-ring (2).

(1) Valve Cover
(2) O-ring

(3) Control Valve

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**Brake Cylinder**

1. Remove the brake cylinder (1).

(1) Brake Cylinder

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(2) Separating Power Steering Cylinder

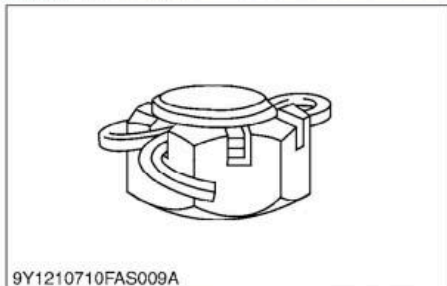
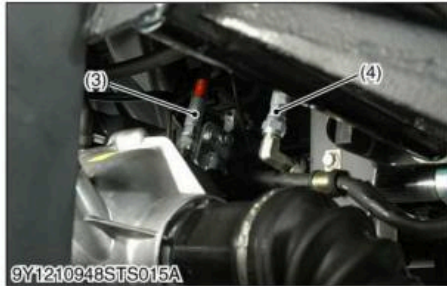


Power Steering Cylinder

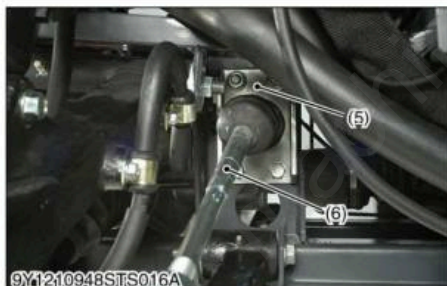
1. Place jack stands under both R.H. and L.H. side of the frame.
2. Remove the front wheels.
3. Remove the cotter pins and slotted nuts (2) for the tie-rod ends (1).
4. Disconnect the tie-rod ends (1) from the hubs.
5. Disconnect the power steering cylinder hoses (3), (4).
6. Remove the power steering cylinder brackets (5) and mounting bolts.
7. Remove the power steering cylinder (6) with tie-rods.

(When reassembling)

- When inserting the cotter pin, if the slots in the nut do not align with the cotter pin hole in tie-rod end, tighten the nut clockwise up to next alignment. It should be within 30 degree.
- Loosen once and tighten again when the slit goes past the nearest hole.
- After tightening the these slotted nut to specified torques, install a cotter pin as shown in the figure left.

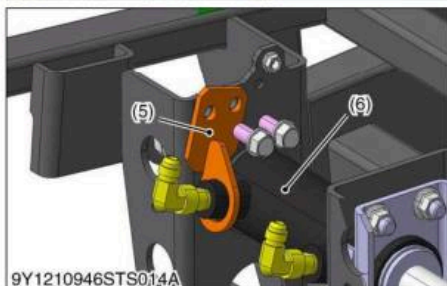


Tightening torque	Tie-rod end slotted nut	50.0 to 55.0 N·m 5.10 to 5.60 kgf·m 36.9 to 40.5 lbf·ft
	Power steering cylinder hose retaining nut	24.0 to 25.0 N·m 2.45 to 2.54 kgf·m 17.7 to 18.4 lbf·ft
	Aluminum wheel mounting nut	90.0 to 110 N·m 9.18 to 11.2 kgf·m 66.4 to 81.1 lbf·ft
	Steel wheel mounting nut	108 to 130 N·m 11.1 to 13.2 kgf·m 79.7 to 95.8 lbf·ft



- | | |
|---|--|
| <ol style="list-style-type: none"> (1) Tie-rod End R.H. (2) Slotted Nut (for Tie-rod End) (3) Power Steering Cylinder Hose (R.H.) (4) Power Steering Cylinder Hose (L.H.) | <ol style="list-style-type: none"> (5) Power Steering Cylinder Bracket (6) Power Steering Cylinder |
|---|--|

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Full Version Available

Kubota RTV-X1140 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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