

# WSM

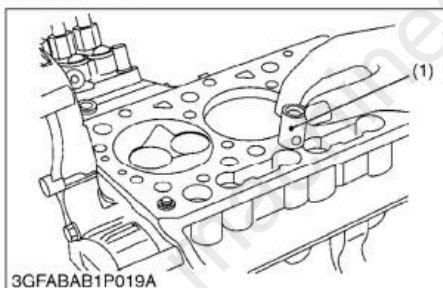
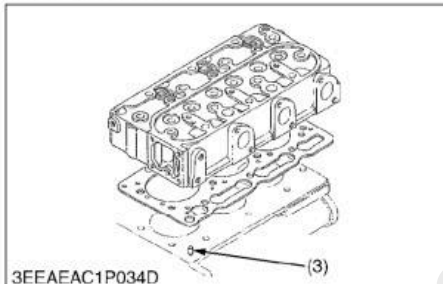
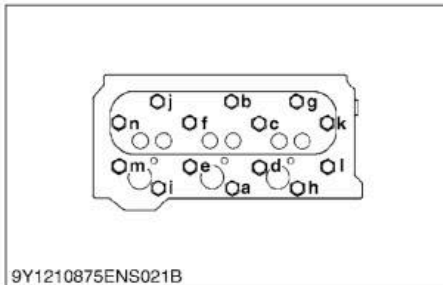
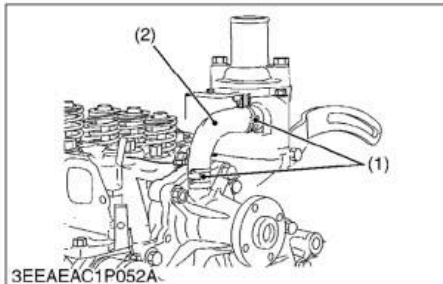
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WORKSHOP MANUAL  
UTILITY VEHICLE

**RTV-X1100C**

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**Kubota**



### Cylinder Head and Cylinder Head Gasket

1. Loosen the pipe clamps (1), and remove the water return pipe (2).
2. Remove the cylinder head screw in the order of "n" or "r" to "a" and remove the cylinder head.
3. Remove the cylinder head gasket.

#### (When reassembling)

- Replace the cylinder head gasket with new one.
- When mounting the gasket, set it to the pin pipe holes. Be careful not to mount it reversely.
- The cylinder head should be free of scratches and dust.
- Install the cylinder head, using care not to damage the gasket.
- After applying engine oil to the thread of screws, tighten them in several steps and specified sequence "a" to "n" or "r".

#### ■ NOTE

- **Do not use O-ring on the pin pipe.**
- **It is not necessary to retighten the cylinder head screw and to readjust valve clearance after engine warmed up.**

Tightening torque	Cylinder head screw	64 to 68 N·m 6.5 to 7.0 kgf·m 47 to 50 lbf·ft
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- (1) Clamp
- (2) Return Pipe
- (3) Pin Pipe

"n" or "r" to "a": To Loosen  
"a" to "n" or "r": To Tighten

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### Tappets

1. Remove the tappets (1) from the crankcase.

#### (When reassembling)

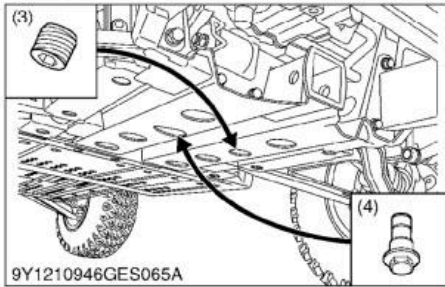
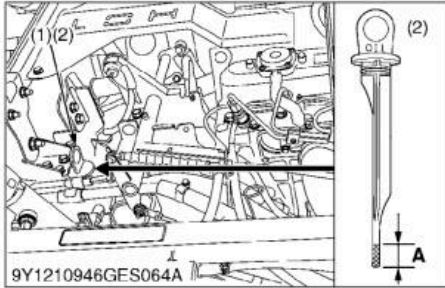
- Visually check the contact between tappets and cams for proper rotation. If problem is found, replace tappets.
- Before installing the tappets, apply engine oil thinly around them.

#### ■ IMPORTANT

- **Do not change the combination of tappet and tappet guide.**

- (1) Tappet

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**Draining Transmission Fluid**

**⚠ WARNING**

To avoid serious injury:

- Be sure to stop the engine before changing the oil.
  - Allow engine to cool down sufficiently, oil can be hot and can burn.
1. Park the vehicle on a level surface.
  2. Raise the cargo bed and mount the safety support.
  3. To drain the used oil, remove the drain plug at the bottom of the transmission case and drain the oil completely into the oil pan.
  4. After draining, reinstall the drain plug.

**(When reassembling)**

- Fill with the new KUBOTA SUPER UDT fluid up to the upper cross hatched area on the dipstick.
- After operating the engine for a few minutes, stop the engine and check the oil level again; add oil to prescribed level.

Transmission oil	Capacity	7.0 L 1.8 U.S.gals 1.5 Imp.gals
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**■ IMPORTANT**

- Do not operate the vehicle immediately after changing the transmission fluid. Operate the engine at medium speed for a few minutes to prevent damage to the transmission.

- (1) Oil Inlet
  - (2) Dipstick
  - (3) Drain Plug
  - (4) Magnet Plug
- A: Oil level is acceptable within this range.**

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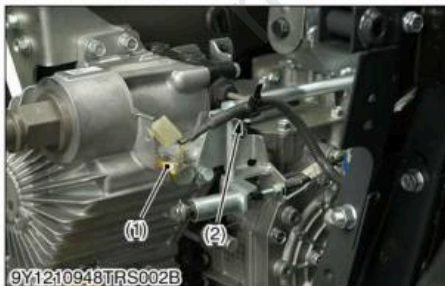


**Transmission Rear Cover**

1. Remove the transmission rear cover (1).

- (1) Transmission Rear Cover

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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-S16.)

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

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# MECHANISM

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# 1. TROUBLESHOOTING

Symptom	Probable Cause	Solution	Reference Page
<b>All Electrical Equipments Does Not Operate</b>	Battery discharged or damaged	Recharge or replace	G-35, 8-S8
	Battery positive cable disconnected or improperly connected	Repair or replace	8-S7
	Battery negative cable disconnected or improperly connected	Repair or replace	8-S7
	Slow blow fuse blown	Replace	G-60
<b>Fuse Blown Frequently</b>	Short-circuited	Repair or replace	G-58

## BATTERY

Symptom	Probable Cause	Solution	Reference Page
<b>Battery Discharges Too Quickly</b>	Battery damaged	Replace	8-S8
	IC Regulator damaged	Replace	8-S28
	Wiring harness disconnected or improperly connected	Repair or replace	-
	Alternator fan belt slipping	Adjust tension	G-37

# Full Version Available

Kubota RTV-X1100C Utility Vehicle Workshop Manual

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

[VIEW THE FULL MANUAL](#)