

INSTRUCTION MANUAL STARTER RELAY KIT (K7811-96200) for KUBOTA UTILITY VEHICLE RTV-XG850

BEFORE INSTALLING STARTER RELAY KIT

- Read all instructions and safety instructions in this manual and safety decals on your vehicle.
- Hang a "DO NOT OPERATE" tag in operator station.



WARNING

To avoid serious injury or death:

- Be sure to check and service the vehicle on a flat surface with the engine shut off and the parking brake "ON".
- Be careful not to catch any part of your body, such as hands or arms, between the bed and vehicle frame when lifting and lowering the bed. To prevent injury, use only the handgrips provided.
- When servicing under raised bed, make sure safety support is properly mounted.
- Do not touch muffler or exhaust pipes while they are hot; Severe burns could result.



CAUTION

To avoid personal injury:

- If it is necessary to operate engine in an enclosed area, use a gas tight exhaust pipe extension to remove the fumes.
- Always try to work in a well-ventilated area.

■ PARTS LIST

Ref. No.	PART No.	PART NAME	Q'TY	REMARKS
1	K7811-6226-0	RELAY (STARTER)	1	
2	01023-50616	BOLT, SEMS	2	
3	53143-73112	16 WASHER	2	
4	K7811-6227-0	STAY	1	
5	01754-50612	BOLT, FLANGE	2	
6	K7811-6127-0	HARNESS, WIRE	1	
7	75599-31022	NUT [1/2"]	2	
8	75590-54160	NUT [3/8"]	2	
9	75599-33012	WASHER, SPRING [1/2"]	2	
10	04512-50050	WASHER, SPRING [M5]	2	
11	K7811-6131-6	CABLE, BATTERY (+, BATTERY)	1	
12	K7811-6136-7	CABLE, BATTERY (+, ENGINE)	1	
13	-	MANUAL, INST	1	This paper

NOTE :

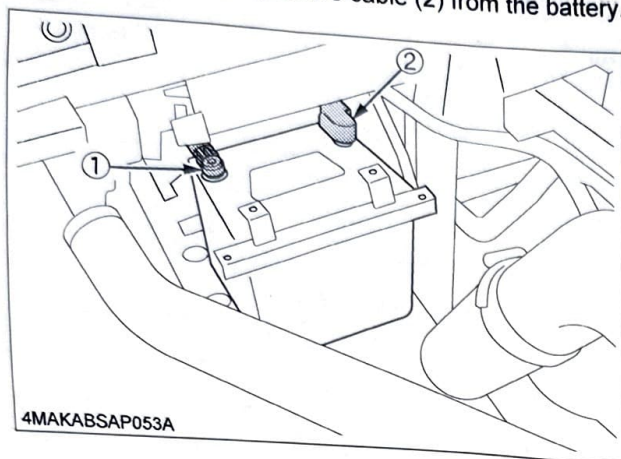
- Check the component parts according to the parts list.
- Please refer to WSM if you need jigs for work.

NOTE:

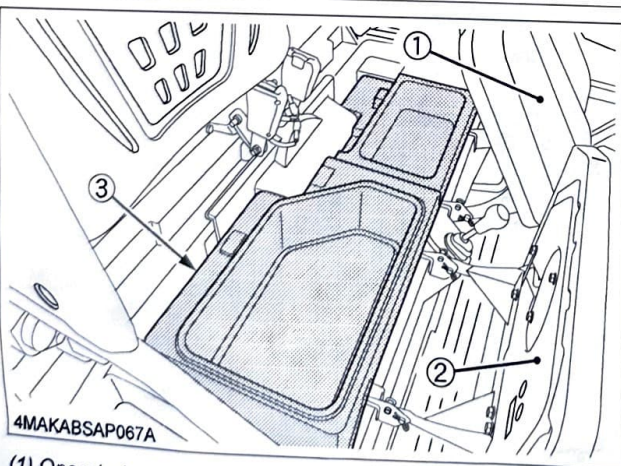
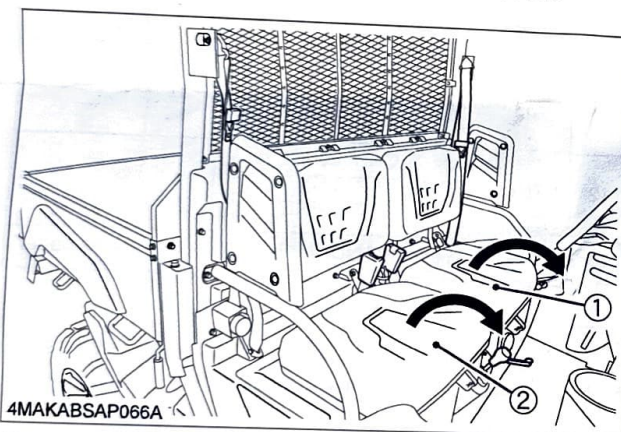
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REPLACING THE RELAY (STARTER)

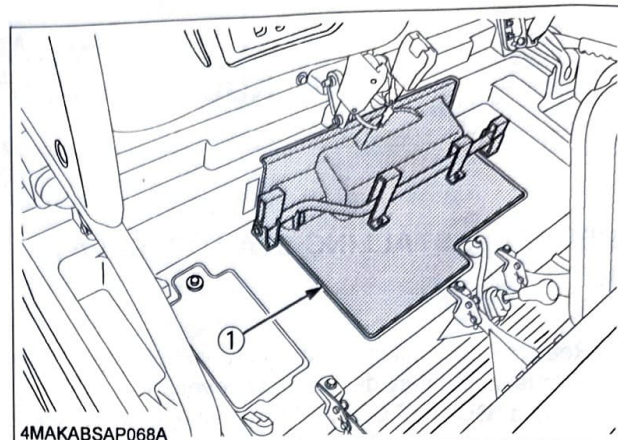
1. Disconnect the BATTERY cable from BATTERY.
 - 1.1 Remove the battery cover.
 - 1.2 Disconnect the negative cable (1) from the battery.
 - 1.3 Disconnect the positive cable (2) from the battery.



2. Raise the seats to the forward position.
3. Remove the utility box and maintenance cover.

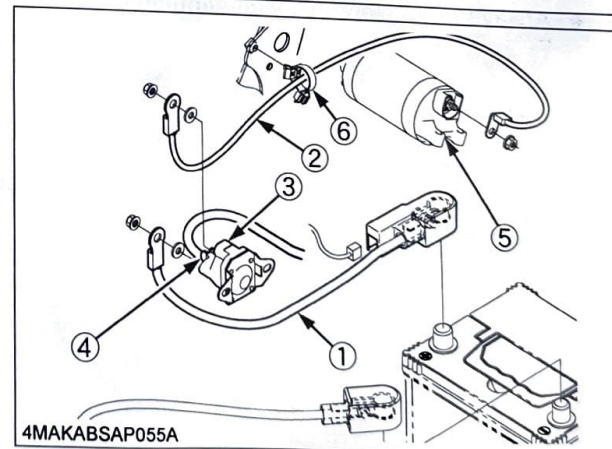
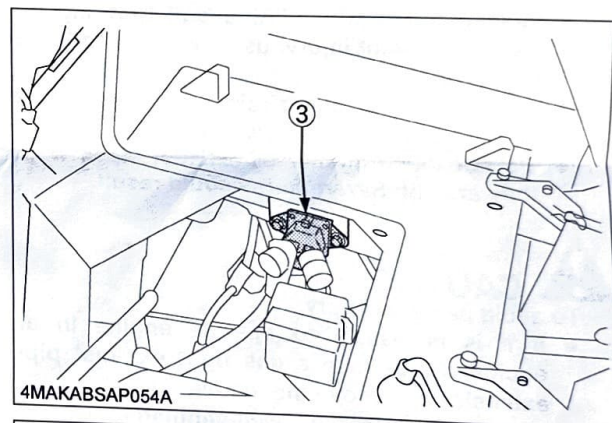


- (1) Operator's seat
- (2) Passenger seat
- (3) Utility box



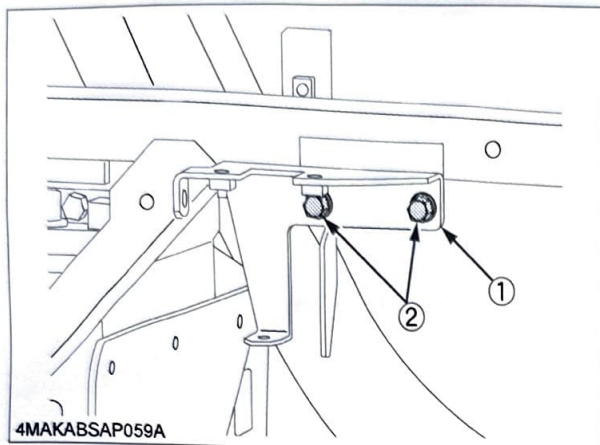
(1) Maintenance cover

4. Remove the BATTERY CABLE (+, BATTERY) (1) and BATTERY CABLE (+, ENGINE) (2) from the vehicle. Do not reuse the removed nut and washer. Disconnect the wire harness connector from RELAY (STARTER) (3). Release the clamp. (When assembling) Clamp.



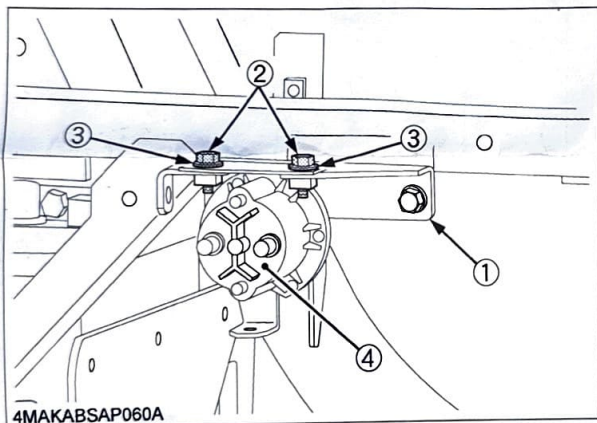
- (1) BATTERY CABLE (+, BATTERY)
- (2) BATTERY CABLE (+, ENGINE)
- (3) RELAY (STARTER)
- (4) Connector
- (5) Starter
- (6) Clamp

5. Remove the RELAY (STARTER) from frame.
(Don't reuse removed bolt and washer.)
6. Attach the stay to frame. (Torque: 9.81 to 11.28 N-m)



- (1) STAY <4>
(2) FLANGE BOLT <5>

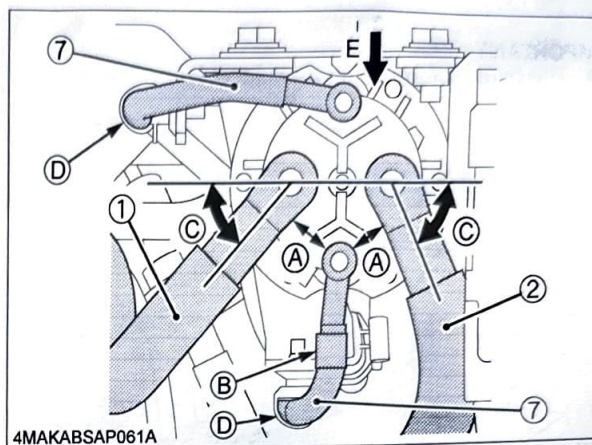
7. Attach the RELAY (STARTER) to stay with bolt and washer. (Torque: 9.81 to 11.28 N-m)



- (1) STAY <4>
(2) SEMS BOLT <2>
(3) 16 WASHER <3>
(4) RELAY (STARTER) <1>

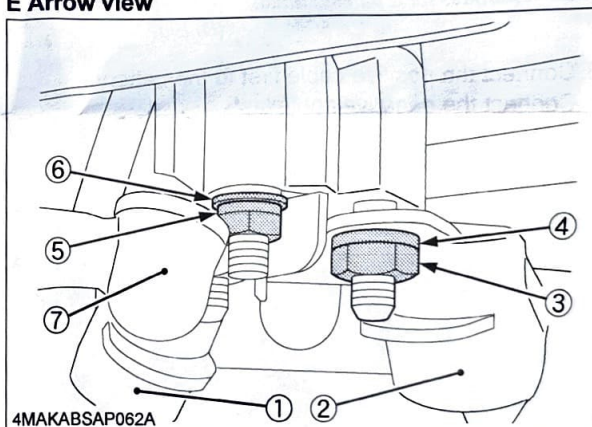
8. Attach the WIRE HARNESS in the kit to RELAY (STARTER) with NUT [3/8"] and SPRING WASHER [M5].
Connect the yellow taped terminal to underside terminal of RELAY (STARTER). (Torque: 1.18 to 1.58 N-m)
9. Clamp the WIRE HARNESS of kit to stay. (2 points)
10. Attach the BATTERY CABLE (+, ENGINE) to starter (L shape side). (Torque: 7.85 to 9.81 N-m)

11. Attach BATTERY CABLE (+, BATTERY) (1) and BATTERY CABLE (+, ENGINE) (2) to RELAY (STARTER) with NUT [1/2"] and SPRING WASHER [1/2"]. (Torque: 4.0 to 5.0 N-m)



- (1) BATTERY CABLE (+, BATTERY) <11>
(2) BATTERY CABLE (+, ENGINE) <12>
(7) WIRE HARNESS <6>
(A) Keep clearance
(B) Yellow tape on lower terminal.
(C) 45°
(D) Clamp

E Arrow view

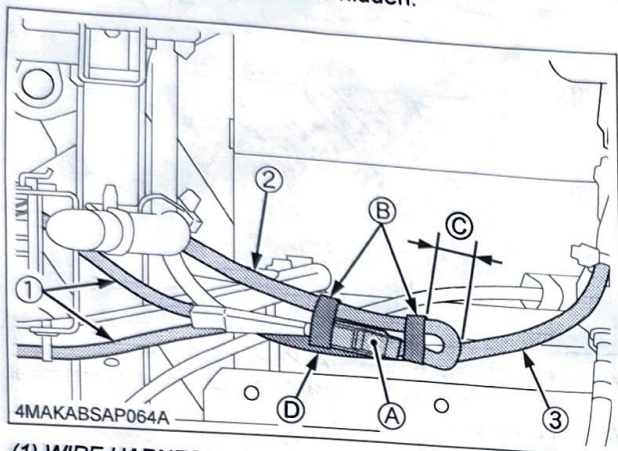


- (1) BATTERY CABLE (+, BATTERY) <11>
(2) BATTERY CABLE (+, ENGINE) <12>
(3) NUT [1/2"] <7>
(4) SPRING WASHER [1/2"] <9>
(5) NUT [3/8"] <8>
(6) SPRING WASHER [M5] <10>
(7) WIRE HARNESS <6>

12. Connect the main harness to the connector of WIRE HARNESS of kit.
Fix the connected connector on a main harness for a parking brake (3) by a black vinyl tape. Do not tape on the lock.

IMPORTANT :

- The blue tape must not be hidden.



- (1) WIRE HARNESS (Kit)
(2) Main harness
(3) Main harness for a parking brake
(A) Lock
(B) Black vinyl tape
(C) 40 to 50 mm
(D) Blue tape

13. Connect the positive cable first to the battery.
Connect the negative cable last.