

## INSTRUCTION MANUAL ZG/Z100 SERIES BRAKE SWITCH KIT

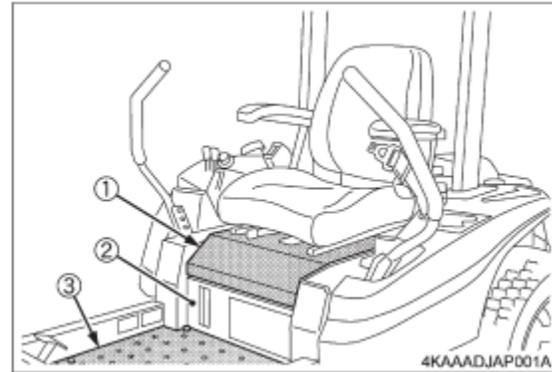


### WARNING

- Read all instructions and safety instructions in this manual and on the unit's safety decals.
- Clean the work area and machine.
- Park the machine on a firm and level ground and place wheel chocks against the tires.
- Lower the implements to the ground.
- Stop the engine and remove the key.
- Hang a "DO NOT OPERATE" on the unit.

### PARTS LIST

Ref. No.	PART No.	DESCRIPTION	QTY	REMARKS
1	K301162411	SWITCH (NO, NC, COVER)	1	
2	K301143211	BRACKET (SW, PLATE)	1	
3	K301143221	PLATE (SW)	1	
4	0175450616	BOLT(M6-L16)	1	
5	0275150060	NUT (M6)	1	
6	K301121664	BRACKET (TRANSAXLE, FRONT)	1	
7	K301194321	MANUAL, INST	1	This paper



- (1) Seat base  
(2) Control lever panel  
(3) Step, bolt

### NOTE:

Tightening Torque: 9.8 to 11.3 N·m (7.2 to 8.3 lbf·ft)

### 2. Fender removal.

- (1) Disconnect the starter, PTC and hour meter switch connectors from the panel. Disconnect the head light switch (if equipped) from the panel.
- (2) Remove the cutting height adjustment dial and parking brake lever grip.

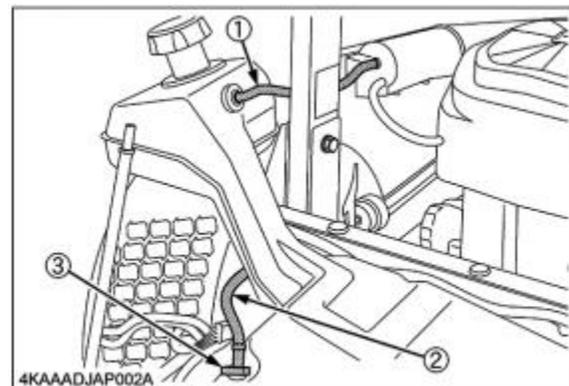
- (3) Remove the LH and RH fenders.

### NOTE:

- Throttle cable can remain attached to the fender.
- All parts must be kept for reassembly.

### 3. Fuel tank removal.

- (1) Close the fuel shut off valve on the tank.
- (2) Remove the fuel hose from the tank.



- (1) Fuel hose  
(2) Fuel hose  
(3) Fuel shut off valve

### PROCEDURE

For details, refer to workshop manual.

<Disassembly>



### CAUTION

To avoid personal injury:

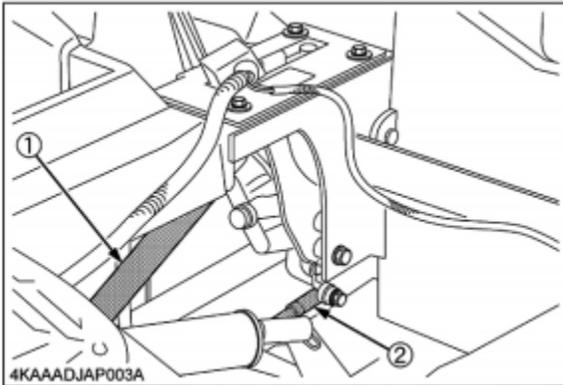
- When disconnecting the battery cables, disconnect the negative cable from the battery first. When reconnecting the battery cables, connect the positive cable to the battery first.

### 1. Battery, seat and step removal.

- (1) Remove the seat with the seat base from the control lever panel. Disconnect the seat switch connector.

- (2) Remove the step.

- (3) Remove both dampers and control rods from the control levers.

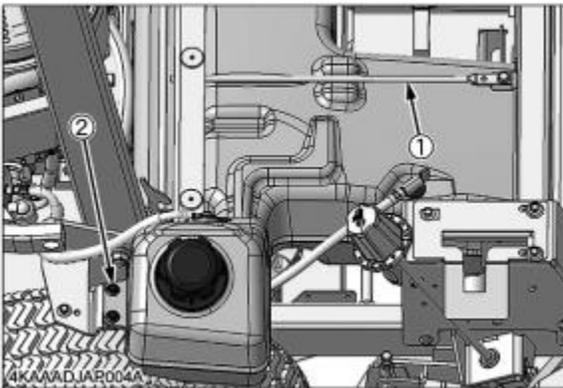


- (1) Damper  
(2) Control rod

**NOTE:**

Tightening Torque: 23.5 to 27.4 N·m (17.4 to 20.2 lbf·ft)

- (4) Remove the retaining rod and bolts attached to the tank.



- (1) Rod, bolt  
(2) Bolt

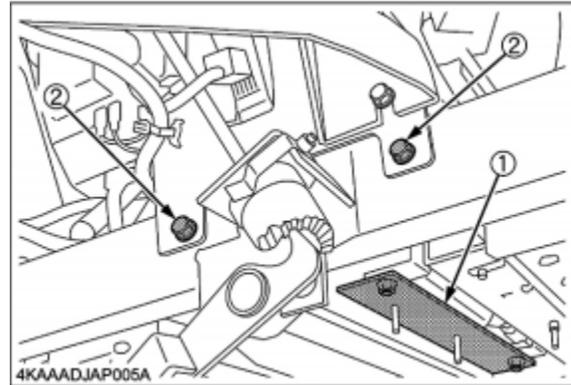
**NOTE:**

Tightening Torque:

- (1) 23.5 to 27.4 N·m (17.4 to 20.2 lbf·ft)  
(2) 6.0 to 8.0 N·m (4.4 to 5.9 lbf·ft)

- (5) Remove bottom support from the unit.

- (6) Remove the 4 bolts mounted on the control lever panel.



- (1) Bottom support, bolt, nut  
(2) Bolt

**NOTE:**

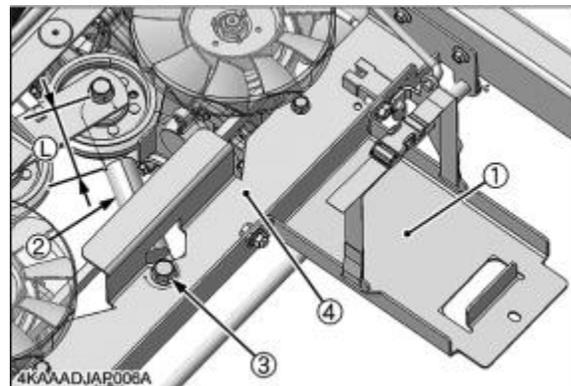
Tightening Torque:

- (1) 23.5 to 27.4 N·m (17.4 to 20.2 lbf·ft)  
(2) 20.0 to 23.0 N·m (14.8 to 17 lbf·ft)

- (7) Remove the wire harness connected to the control lever panel and slide the control lever panel forward.

- (8) Remove fuel tank from the machine.

4. Remove the battery tray, the HST spring and the spring anchor bolt from the transaxle bracket.



- (1) Battery tray, bolt, nut  
(2) HST spring  
(3) Spring anchor bolt  
(4) Transaxle bracket  
(L) Longer hook

**NOTE:**

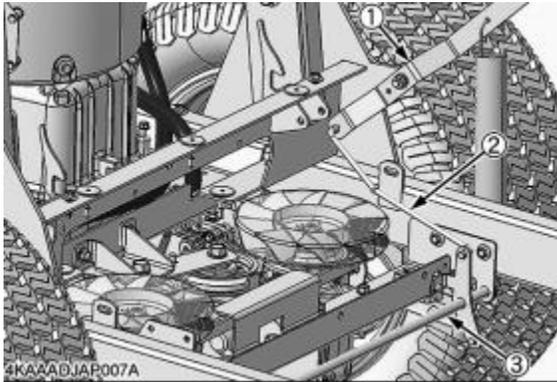
Tightening Torque:

- (1) 23.5 to 27.4 N·m (17.4 to 20.2 lbf·ft)  
(3) 77.4 to 90.2 N·m (57.2 to 66.5 lbf·ft)

**IMPORTANT:**

- When reinstalling the HST spring, make sure that the longer hook (L) side is attached to the pulley side.

5. Remove brake lever and brake connecting rod from the unit. Next, remove brake linkage shaft.



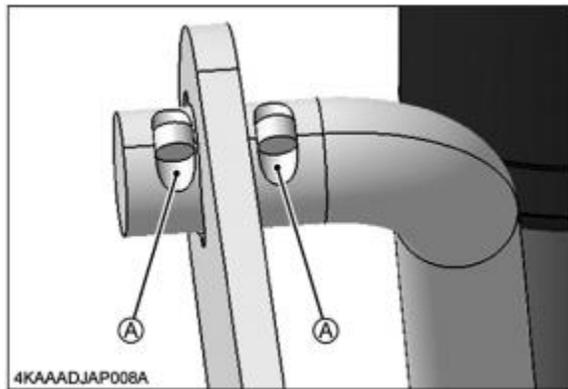
- (1) Brake lever, bolt, washer, nut
- (2) Connecting rod
- (3) Brake linkage shaft

**NOTE:**

Tightening Torque: Tighten then loosen one half turn.

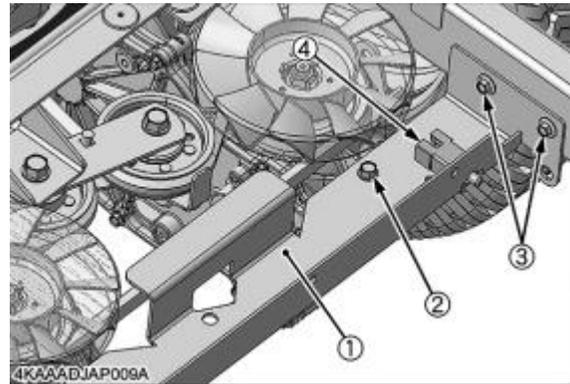
**IMPORTANT:**

- When reinstalling the connecting rod, ensure that the brake lever and brake linkage shaft plates are centered between the pressed portion of the rod.



(A) Pressed portion

6. Remove the wire harness clamp from the transaxle bracket and remove the transaxle bracket from the frame.



- (1) Transaxle bracket
- (2) Bolt, nut
- (3) Bolt
- (4) Brake switch

**NOTE:**

Tightening Torque:

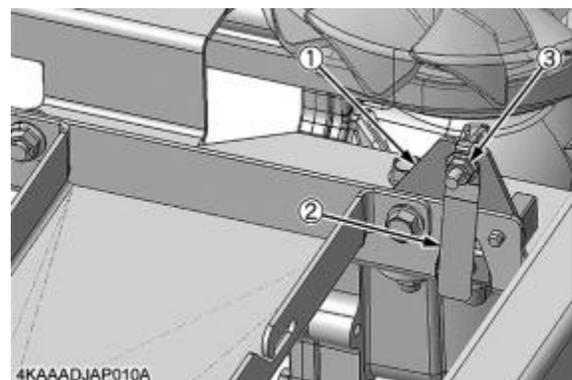
- (2) 23.5 to 27.4 N·m (17.4 to 20.2 lbf·ft)
- (3) 20.0 to 23.0 N·m (14.8 to 17.0 lbf·ft)

**NOTE:**

- Discard the transaxle bracket and the brake switch.

**INSTALL THE NEW BRAKE SWITCH KIT**

1. Install the new brake switch (with rubber cover) to the new transaxle bracket.
2. Reassemble the battery tray with BRACKET (SW, PLATE) and put the PLATE (SW) on the bracket.



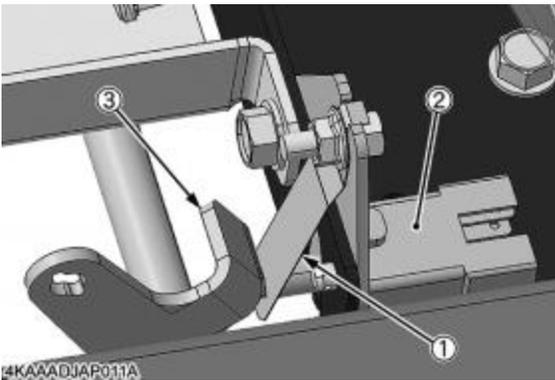
- (1) Bracket (SW, Plate)
- (2) Plate (SW)
- (3) Bolt, nut (M6)

**NOTE:**

Tightening Torque: 9.8 to 11.3 N·m (7.2 to 8.3 lbf·ft)

**IMPORTANT:**

- PLATE (SW) must be between the switch and the brake linkage shaft.



- (1) Plate (SW)
- (2) Switch
- (3) Brake linkage shaft

3. Reassemble the unit in reverse order of disassembly.
4. Check the motion control levers neutral position, Adjust the levers as per workshop manual specifications. (Refer to the Workshop Manual.)
5. Check the operation of the safety switches. (Refer to the Workshop Manual.)