

(2) Engine Starting Conditions

When the following conditions become complete, output current (12V) reaches coil terminal of the starter relay from main switch AC terminal, and the engine can be started.

Clutch Pedal Switch (Pedal depressed : ON) (Pedal free : OFF)	Rear PTO Switch (Neutral : ON) (Engaged : OFF)	Main Gear Switch 2 (Neutral : ON) (Engaged : OFF)
ON	ON	ON

W1013548

(3) Automatic Engine Stop

Engine can be shut off under the following conditions since these conditions cause key stop timer to operate and it controls fuel cut solenoid. The key stop timer holds the fuel cut signal for about 10 second.

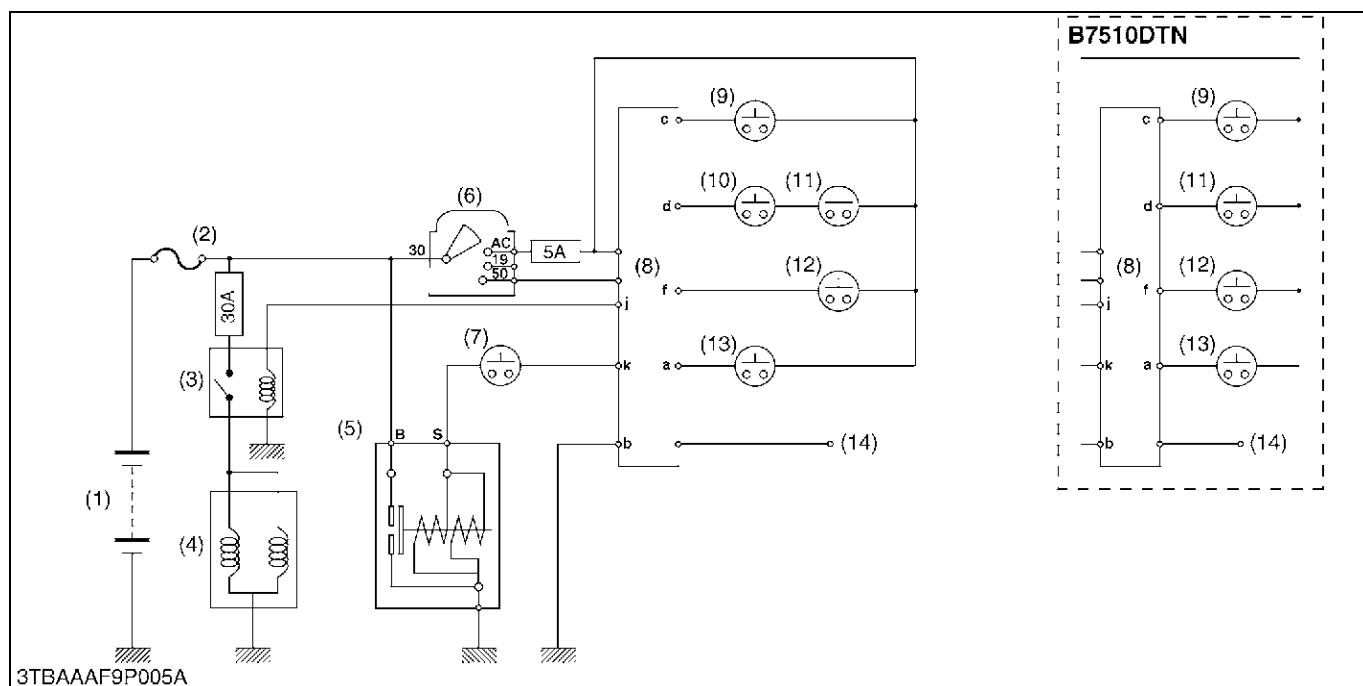
Condition	Seat Switch 1 (Occupied : ON) (Vacant : OFF)	Main Gear Switch 1 (Neutral : ON) (Engage : OFF)	Main Gear Switch 2 (Neutral : ON) (Engage : OFF)	Rear PTO Switch (Neutral : ON) (Engage : OFF)	Seat Switch 2 (Tilted : ON) (Normal : OFF)
1	OFF	OFF	OFF	ON / OFF	ON / OFF
2	OFF	ON	ON	OFF	OFF

■ NOTE

- When the seat is tilted, the engine does not stop even if rear PTO is engaged.

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[2] B7510, B7610



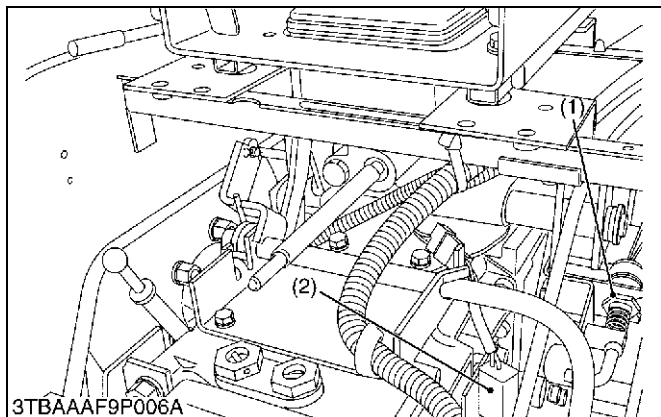
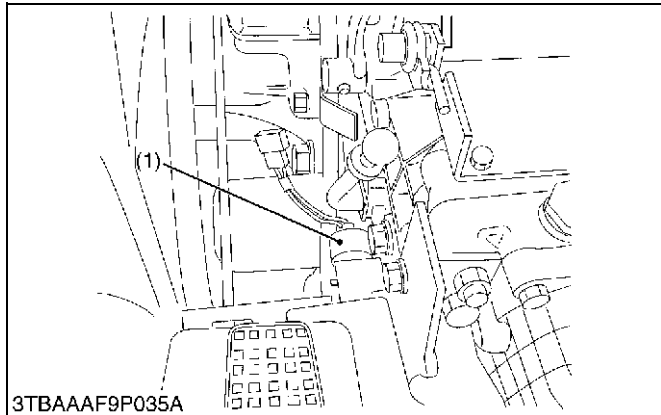
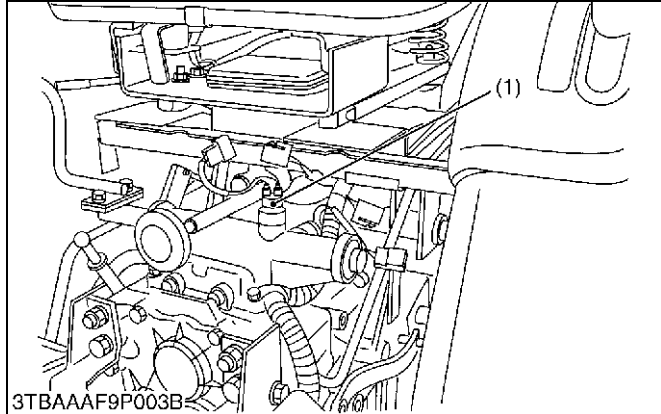
- (1) Battery
(2) Slow Blow Fuse
(3) Key Stop Relay
(4) Engine Stop Solenoid

- (5) Starter
(6) Main Switch
(7) Clutch Pedal Switch
(8) Operator Presence Controller

- (9) Rear PTO Switch
(10) Mid PTO Switch
(11) Seat Switch 2
(12) Seat Switch 1

- (13) Main Gear Switch 1 (Manual Transmission Type) or HST Pedal Switch (HST Type)
(14) Regulator L Terminal

(1) Related Switches



■ Clutch Pedal Switch

See page 9-M5.

W1014899

■ Seat Switch 1 and Seat Switch 2

See page 9-M4.

W1014949

■ Main Gear Switch 1 (Manual Transmission Type)

This switch is equipped only with manual transmission type, and located on the transmission case upper cover. When the main speed change lever is not in neutral, this switch is pushed in and electric circuit is opened.

(1) Main Gear Switch 1

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■ HST Pedal Switch (HST Type)

This switch is equipped only with HST type.

When the PTO pedal is in neutral, this switch is pushed in and electric circuit is closed.

(1) HST Pedal Switch

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■ Rear PTO Switch and Mid PTO Switch

These switches are located near the PTO gear shift lever. When the PTO gear shift lever is in neutral, the rear PTO switch (1) is pushed in and electric circuit is closed.

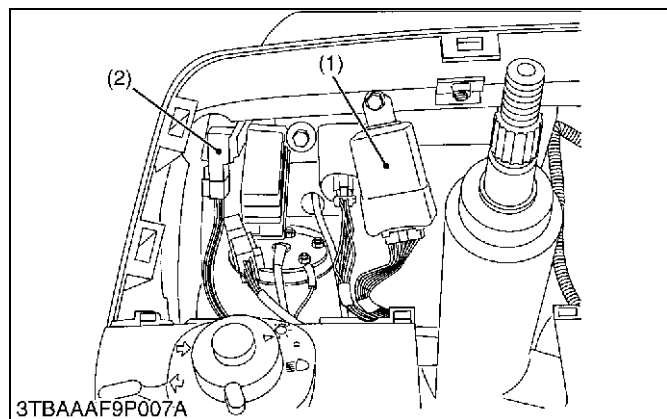
On the other hand, the mid PTO switch (2) is to detect the PTO gear shift lever in 2nd PTO speed position (Mid PTO position). When the PTO gear shift lever is shifted to 2nd PTO speed position (Mid PTO position), this switch is pushed in and electric circuit is opened.

The mid PTO switch is equipped mid PTO type (B7410DT · B7510HSD · B7610HSD).

(1) Rear PTO Switch

(2) Mid PTO Switch

W1015181



■ Operator Presence Controller and Key Stop Relay

Operator presence controller and key stop relay are located at inside of the fuel tank frame.

(1) Operator Presence Controller (2) Key Stop Relay

W1015278

(2) Engine Starting Conditions

When the following conditions become complete, electric current (12V) reaches starter **S** terminal through operator presence controller from main switch **50** terminal, and the engine can be started.

	Clutch Pedal Switch (Pedal depressed : ON) (Pedal free : OFF)	Rear PTO Switch (Neutral : ON) (Engaged : OFF)	Main Gear Switch 1 (Neutral : ON) (Engaged : OFF)	HST Pedal Switch (Neutral : ON) (Others : OFF)
Manual Transmission Type	ON	ON	ON	—
HST Type	ON	ON	—	ON

W1015447

(3) Automatic Engine Stop

Engine can be shut off under the following conditions since these conditions cause key stop relay to operate and it controls fuel cut solenoid.

Condition	Seat Switch 1 (Occupied : ON) (Vacant : OFF)	Main Gear Switch 1 or HST Pedal Switch (Neutral : ON) (Others : OFF)	Mid PTO Switch (Neutral : ON) (Engage : OFF)	Rear PTO Switch (Neutral : ON) (Engage : OFF)	Seat Switch 2 (Tilted : ON) (Normal : OFF)
1	OFF	OFF	ON / OFF	ON / OFF	ON / OFF
2	OFF	ON	OFF	OFF	ON / OFF
3	OFF	ON	ON	OFF	OFF

■ NOTE

- When the mid PTO is not engaged and the seat is tilted, the engine does not stop even if rear PTO is engaged.

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