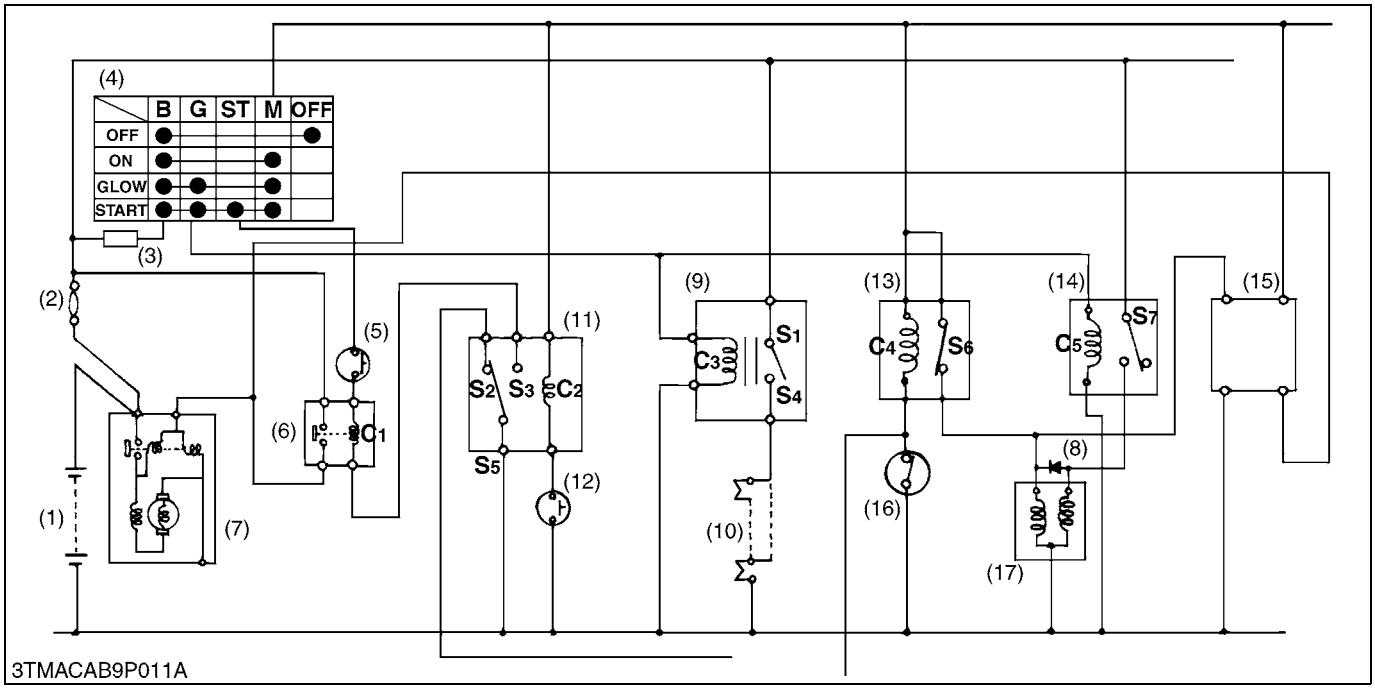
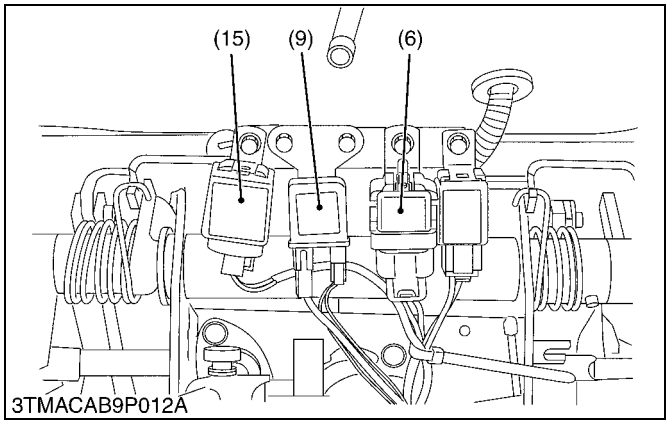
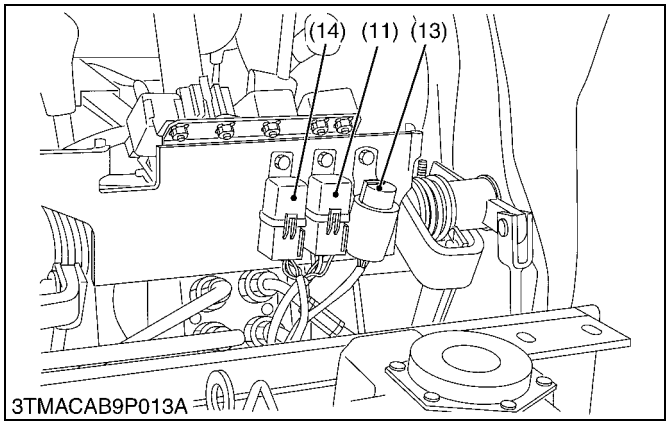
2. STARTING SYSTEM



(1) Battery
(2) Slow Blow Fuse
(3) Fuse (20 A)
(4) Main Switch
(5) Safety Switch
(6) Starter Relay
(7) Starter Motor
(8) Diode
(9) Glow Relay
(10) Glow Plug
(11) PTO Relay
(12) PTO Switch
(13) Key Stop Relay
(14) Relay 1
(15) Timer Relay
(16) Engine Oil Pressure Switch
(17) Fuel Cut-off Solenoid





There are four key positions, **OFF**, **ON**, **PREHEAT (GLOW)**, and **START**.

When the main switch is set to **PREHEAT (GLOW)**, **B** terminal of the main switch is connected to **G** and **AC (M)** terminals. Consequently, battery current flows to coil **C3** of the glow relay (9), and the relay contact point **S4** is turned on. This makes the glow plugs red-hot.

When the main switch (4) is set to **START** under the condition that the range gear shift lever is in neutral position and the safety switch (5) is turned on and PTO clutch lever is in **OFF** position (PTO switch (12) is **ON**.).

B terminal of the main switch is connected **G**, **ST** and **AC (M)** terminals.

Consequently, battery current flows to coil **C1** of the starter relay (6) and PTO relay (11) contact point **S3** of the PTO relay (11) (When the PTO switch is set to **ON**, battery current flows to coil **C2** and **S5** is turned to **ON**.) and coil **C3** of the glow plug relay at the same time, and relay contact points **S1** and **S4** are turned on.

This actuates starter motor (7) and keeps the glow plugs red-hot.

At this time, battery current flows to coil **C5** of the relay 1 (14) and relay contact point **S7** is turned on.

Battery current to flows to pull-in coil and holding coil of fuel cut-off solenoid (17) to pull the plunger at engine starting position.

When the main switch is released after starting the engine, the main switch returns to **ON** automatically.

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