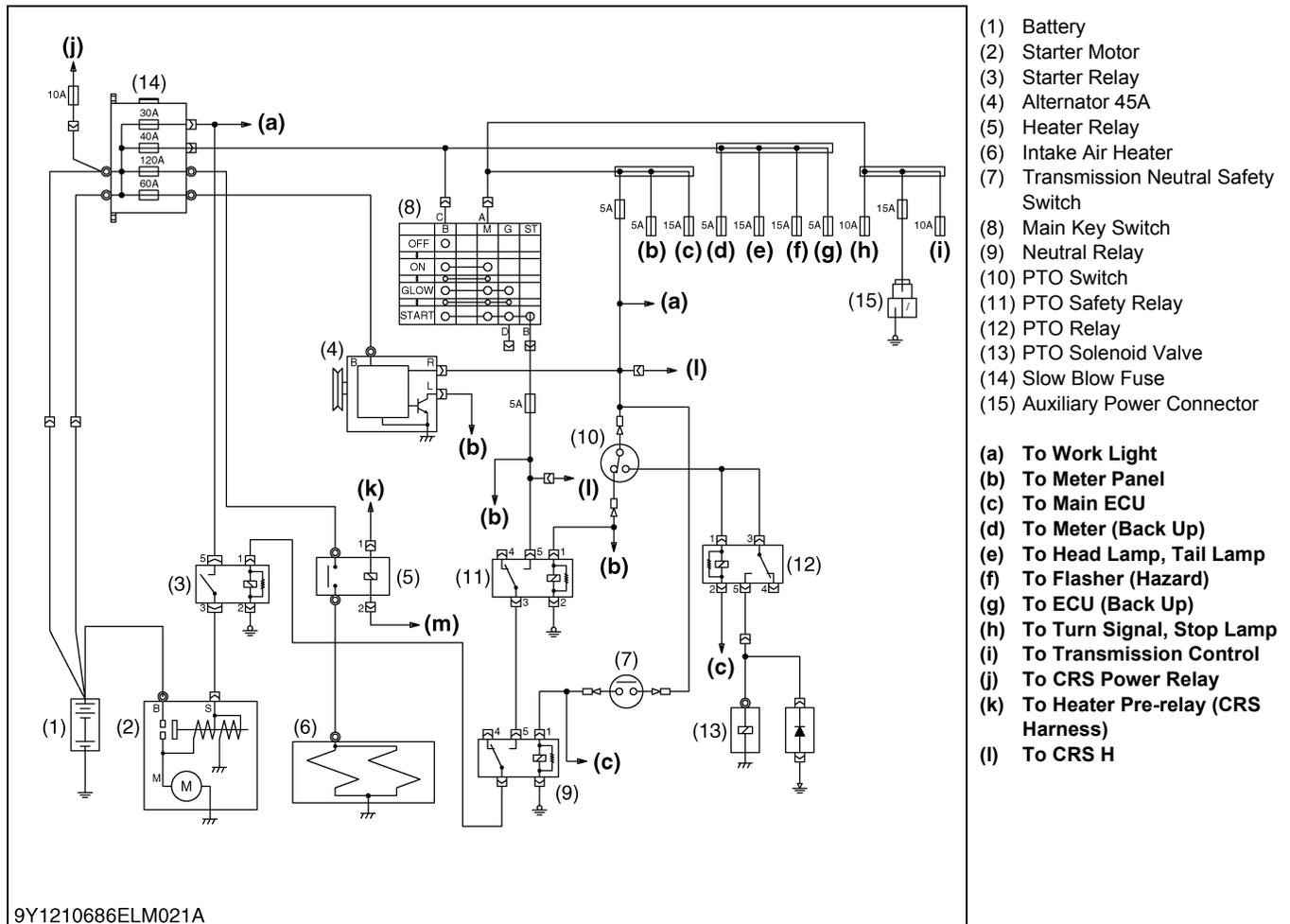


2. STARTING SYSTEM

[1] SYSTEM OUTLINE AND ELECTRICAL CIRCUIT

(1) ROPS Model



- (1) Battery
 - (2) Starter Motor
 - (3) Starter Relay
 - (4) Alternator 45A
 - (5) Heater Relay
 - (6) Intake Air Heater
 - (7) Transmission Neutral Safety Switch
 - (8) Main Key Switch
 - (9) Neutral Relay
 - (10) PTO Switch
 - (11) PTO Safety Relay
 - (12) PTO Relay
 - (13) PTO Solenoid Valve
 - (14) Slow Blow Fuse
 - (15) Auxiliary Power Connector
- (a) To Work Light
 - (b) To Meter Panel
 - (c) To Main ECU
 - (d) To Meter (Back Up)
 - (e) To Head Lamp, Tail Lamp
 - (f) To Flasher (Hazard)
 - (g) To ECU (Back Up)
 - (h) To Turn Signal, Stop Lamp
 - (i) To Transmission Control
 - (j) To CRS Power Relay
 - (k) To Heater Pre-relay (CRS Harness)
 - (l) To CRS H

There are four key positions, "OFF", "ON", "GLOW" and "START" on the main key switch (8) as shown above.

When the main key switch (8) is set "ON", terminal **AM** of the main key switch (8) is connected to terminal **M**.

When the main key switch (8) is set to "START" under the condition that the hydraulic shuttle lever is neutral position to transmission neutral safety switch (7) and the PTO switch (10) is turned **OFF** position. Terminal **G** of the main key switch is connected to terminal **M** and terminal **ST**. Consequently, battery current flows to PTO switch (10), coil of starter relay (3), PTO safety relay (11). (When the PTO switch is set to **OFF**, battery current flows PTO switch (10) and coil of PTO safety relay (11).)

This actuates starter (2).

When the main switch is released after starting the engine, the main switch returns to "ON" automatically. This stops the starter.

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