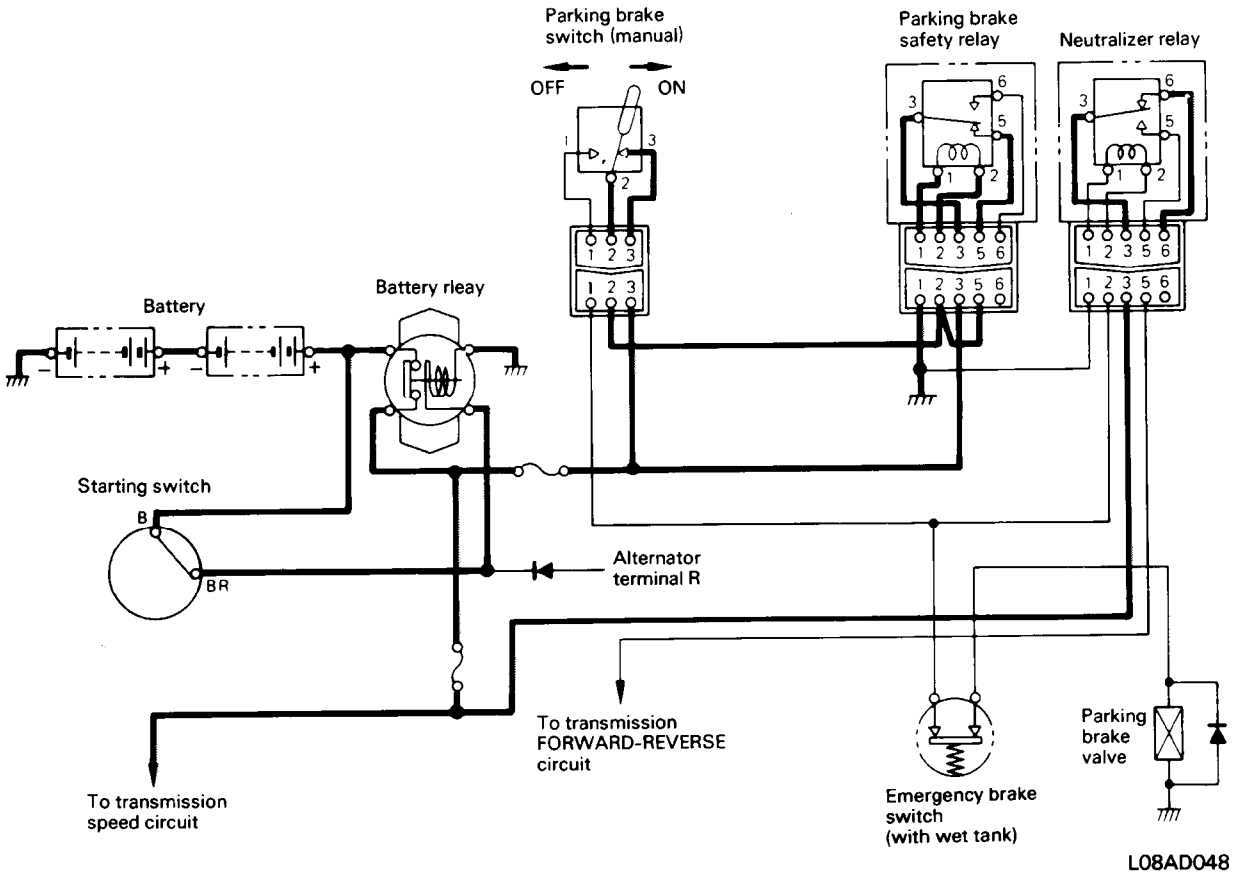
2. STARTING SWITCH ON

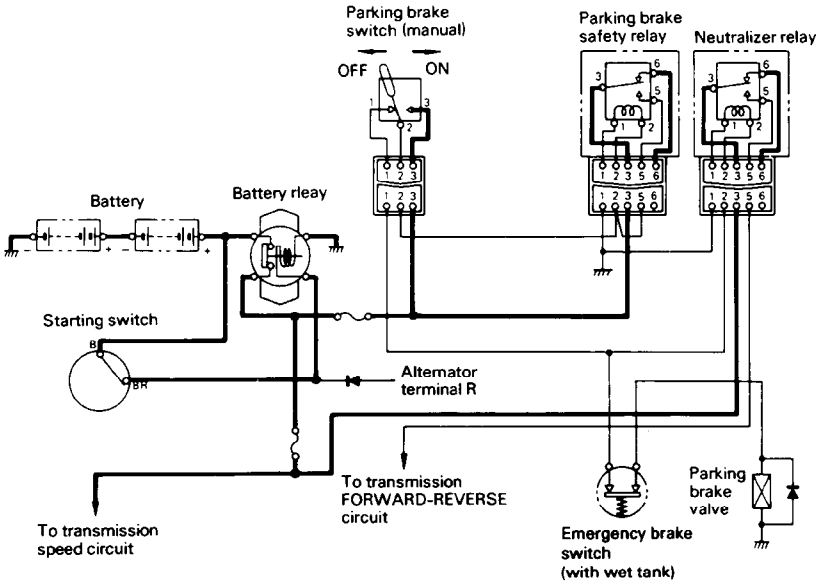
2-1A. When parking brake switch is turned ON before starting switch is turned ON

- Electric current is flowing in circuit ① battery (+) → starting switch → battery relay coil → ground, so the battery relay is closed. For this reason, the current flows in circuit ② battery (+) → battery relay → parking brake switch terminals (3 and 2) → parking safety relay terminals (2 and 1) → ground. Because of this, the parking safety relay is actuated, and the circuit between terminals (5 and 3) of the safety relay is closed.
- When this happens, the following circuit ③ is formed: battery (+) → battery relay → parking safety relay terminals (3 and 5) → parking safety terminals (2 and 1) → ground, and the parking safety relay remains as circuit ③ until the starting switch is turned OFF.
- In this condition, electric current does not flow to the parking brake valve, so the parking brake is applied.
- Furthermore, in this condition, the circuit between terminals (3 and 5) of the neutralizer relay is opened, so electric current does not flow to the directional circuit of the transmission, and the transmission is placed in neutral.



2-2. Parking brake switch turned OFF (released) before starting switch is turned ON

- Electric current flows as follows.
  (1) Battery (+) → starting switch → battery relay coil → ground connection, so the battery relay is CLOSED.
  However, in this case, the parking brake switch is OFF (released), so the parking safety relay is not actuated. For this reason, no electricity flows to the parking brake valve. Therefore, after the automatic parking brake is actuated, even if the starting switch is turned to ON, the parking brake is not automatically released.
- In addition, no electric current flows to the FORWARD-REVERSE circuit of the transmission, so the machine does not move.



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