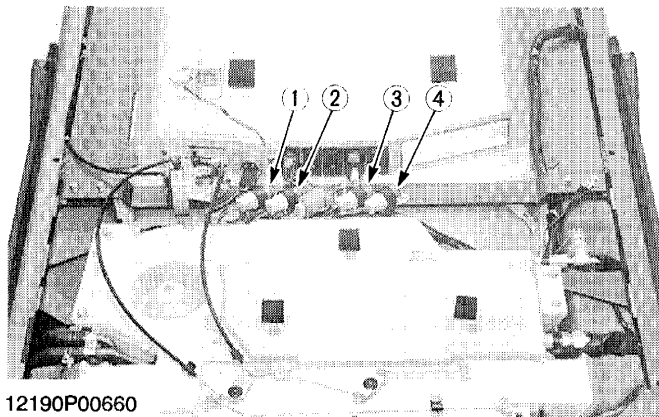
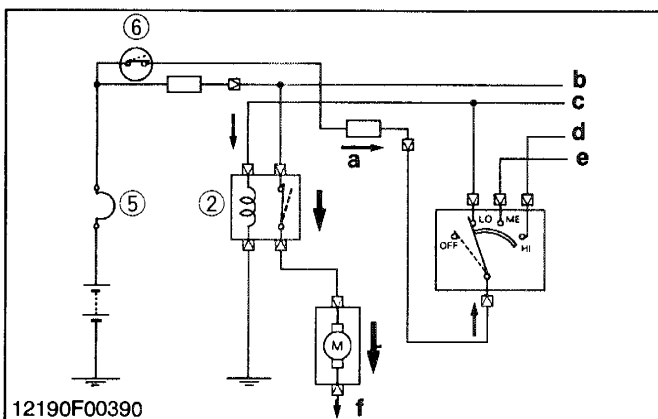


## (5)-2 Air Conditioner Relay, Blower Relays and Compressor Relay



12190P00660



12190F00390

Remove the outer roof and the relays are visible at the ceiling center of the cabin : blower **HI** relay (1), **A/C** relay (Blower **LO** relay) (2), blower **ME** relay (3) and compressor relay (4). When the blower fan is adjusted for the air flow rate, the blower **HI** relay is activated by a signal from the fan switch on the control panel.

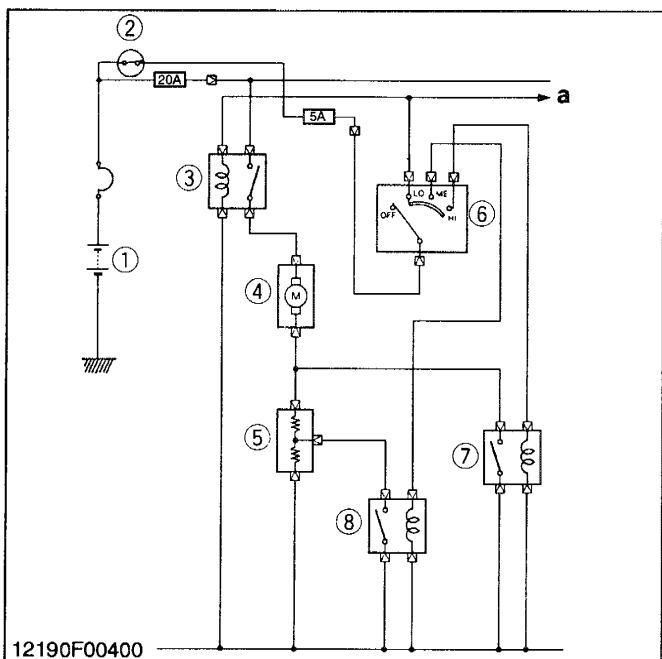
Among the air conditioner components, current flows to the blower motor and magnetic clutch. If all of these current were to be passed through the main switch and supplied, the current would be too large for the main switch so that there will be danger or burning out the main switch contact. If the current were to be passed directly from the battery, forgetting to turn off the blower motor could result in a discharged battery.

To protect against such trouble, relays have been provided. These relays have been made so that when current flows through its coil, the contact close to supply the power from the battery. By employing these relays, the current flowing through the main switch has been decreased as only a small current is required to actuate the relays. Thus there will be no danger of burning out the switch contact, and when the main switch is opened, the relay contact will open at the same time. This action stops the current flow in the air conditioner circuit so that there will also be no chance of the battery discharging.

- |                                 |                         |
|---------------------------------|-------------------------|
| (1) Blower HI Relay             | (a) Small Current       |
| (2) A/C Relay (Blower LO Relay) | (b) To Compressor Relay |
| (3) Blower ME Relay             | (c) To A/C Switch       |
| (4) Compressor Relay            | (d) To Blower HI Relay  |
| (5) Battery                     | (e) To Blower ME Relay  |
| (6) Main Switch                 | (f) To Resistor         |

12190M00320

## (5)-3 Air Conditioner Blower Switch



12190F00400

The wind of blower can be changed in 3 position (Low, Medium, High) by changing the air conditioner blower switch position.

### ■ Air Conditioner Blower Switch is "OFF" Position

When the air conditioner blower switch is in **OFF** position, even if the main switch is turned to **ON** position, air conditioner relay does not operate.

- |                           |                       |
|---------------------------|-----------------------|
| (1) Battery               | (6) A/C Blower Switch |
| (2) Main Switch <b>ON</b> | (7) Blower HI Relay   |
| (3) A/C Relay <b>OFF</b>  | (8) Blower ME Relay   |
| (4) A/C Blower Motor      |                       |
| (5) Resistor              | (a) To A/C Switch     |

12190M00330