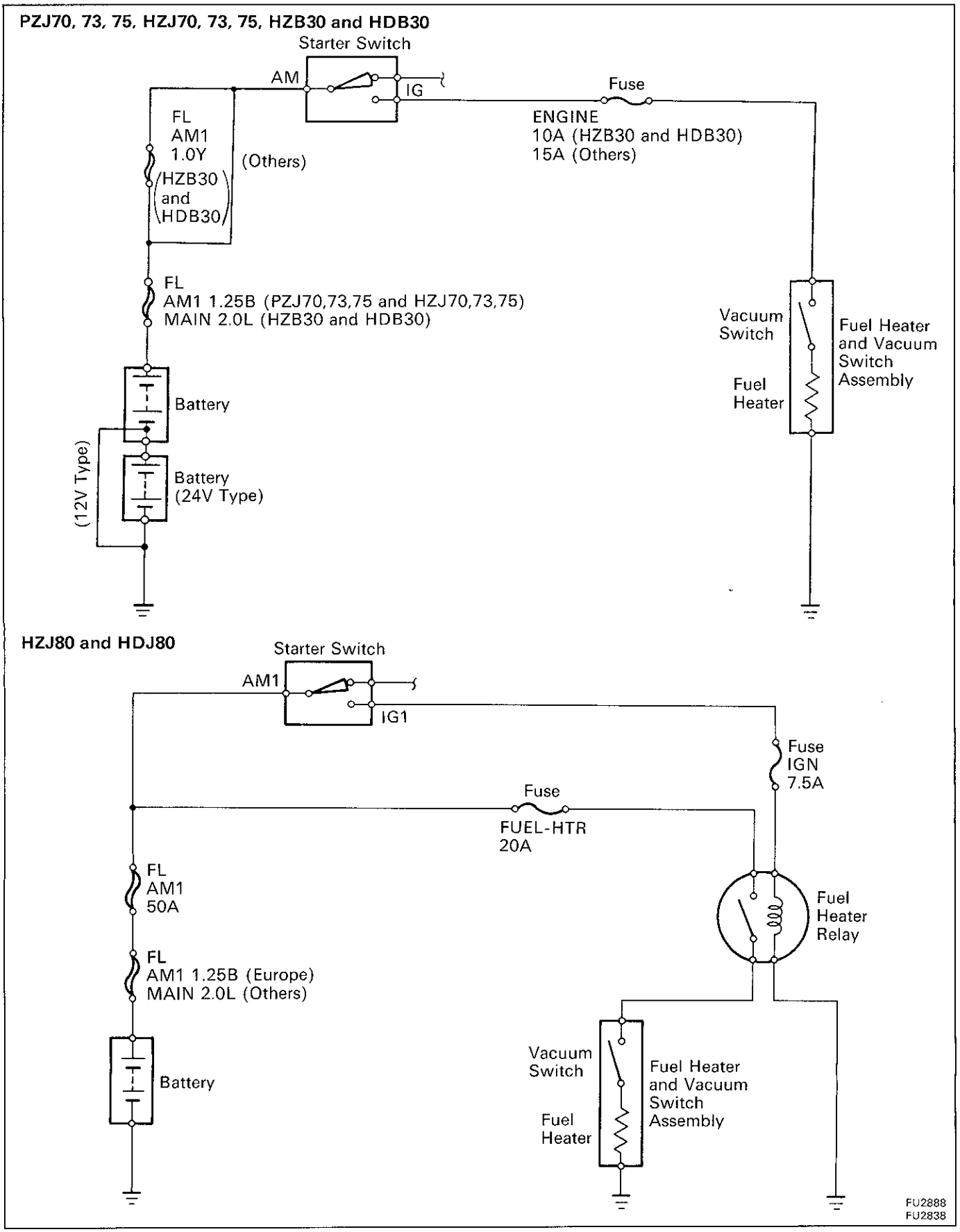
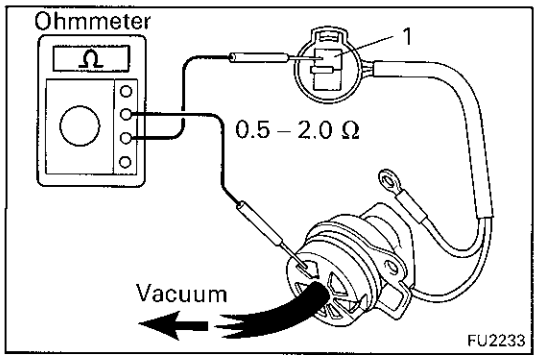
FUEL HEATER SYSTEM

SYSTEM CIRCUIT





INSPECTION OF COMPONENTS

Fuel Heater

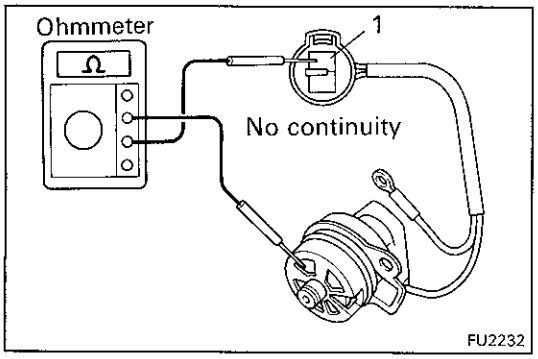
INSPECT FUEL HEATER

(a) Apply a vacuum of 350 ± 50 mmHg (13.78 ± 1.97 in.Hg, 46.7 ± 6.7 kPa) or more to the vacuum switch port.

(b) Using an ohmmeter, measure the resistance between terminal 1 and the switch body.

Resistance: 0.5 – 2.0 Ω at 20°C (68°F)

If the resistance is not as specified, replace the fuel heater and vacuum switch assembly.

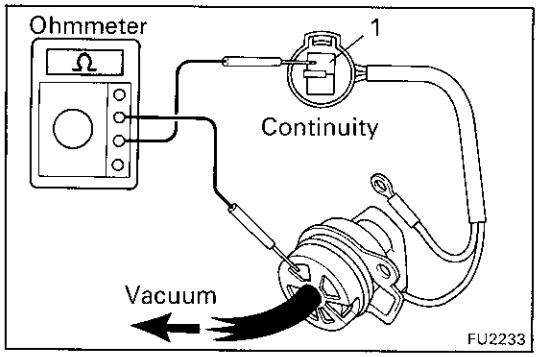


Vacuum Switch

1. INSPECT SWITCH CONTINUITY

Using an ohmmeter, check that there is no continuity between terminal 1 and the switch body.

If continuity is not as specified, replace the fuel heater and vacuum switch assembly.

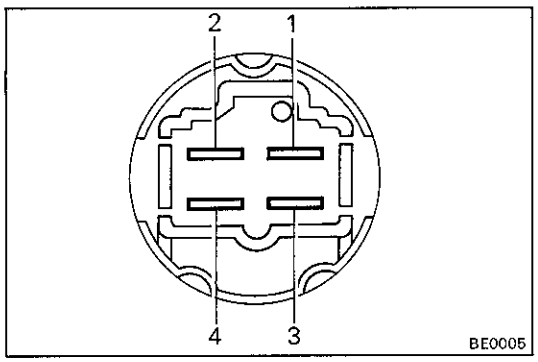


2. INSPECT SWITCH OPERATION

(a) Apply a vacuum of 350 ± 50 mmHg (13.78 ± 1.97 in.Hg, 46.7 ± 86.7 kPa) or more to the vacuum switch port.

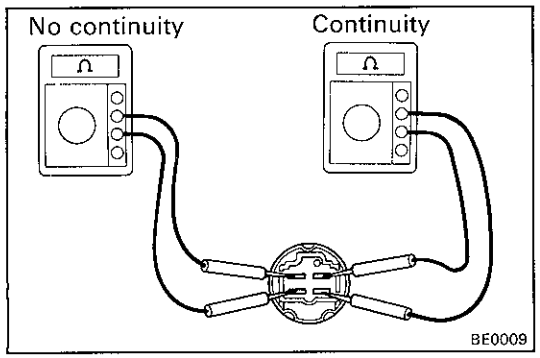
(b) Using an ohmmeter, check that there is continuity between terminal 1 and the switch body.

If operation is not as specified, replace the fuel heater and vacuum switch assembly.



Fuel Heater Relay (HZJ80 and HDJ80 only)

LOCATION: In the engine compartment relay box.

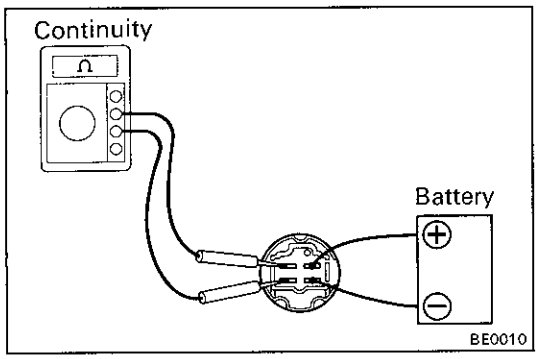


1. INSPECT RELAY CONTINUITY

(a) Using an ohmmeter, check that there is continuity between terminals 1 and 3.

(c) Check that there is no continuity between terminals 2 and 4.

If continuity is not as specified, replace the relay.



2. INSPECT RELAY OPERATION

(b) Apply battery voltage across terminals 1 and 3.

(c) Using an ohmmeter, check that there is continuity between terminals 2 and 4.

If operation is not as specified, replace the relay.