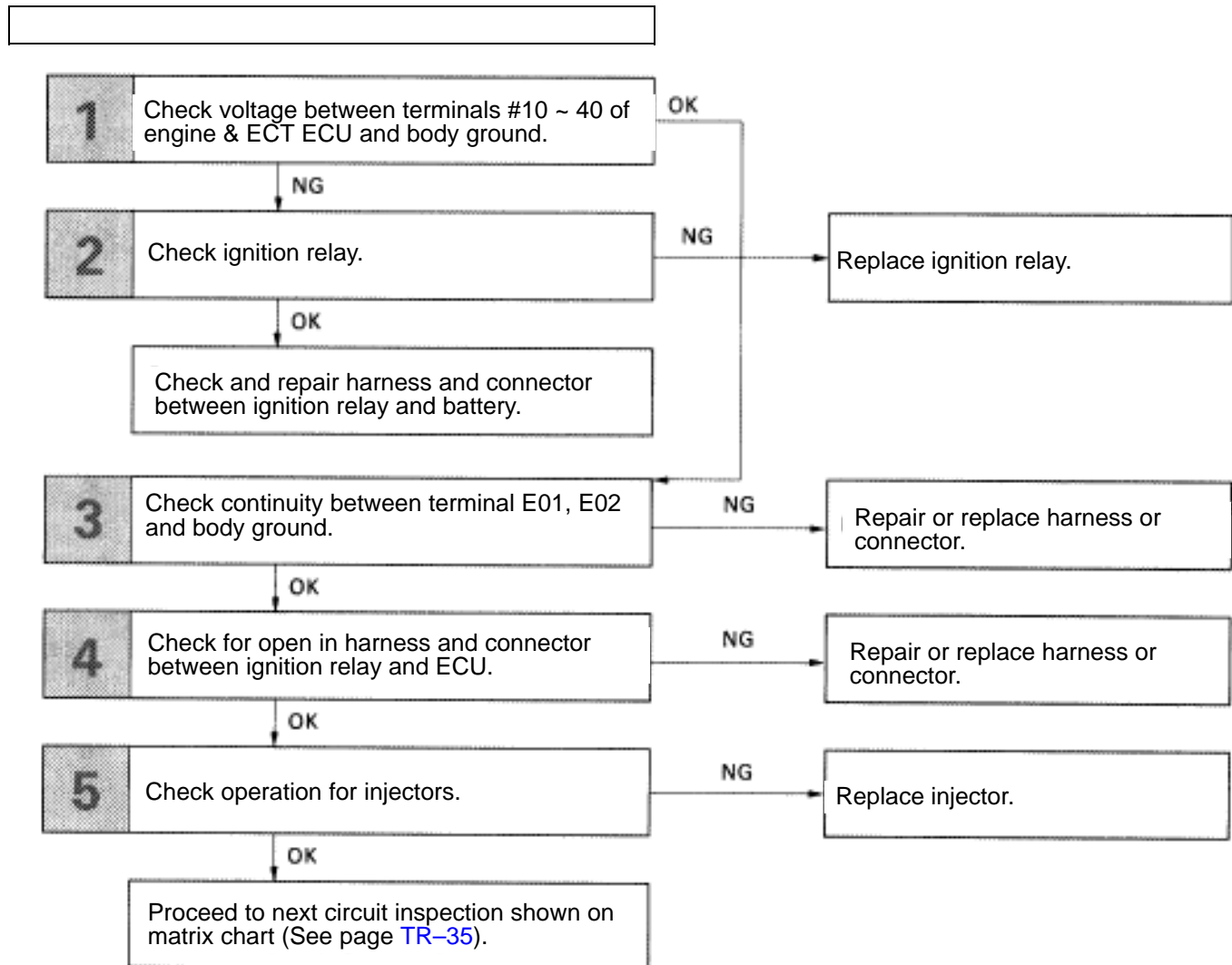


Injector Circuit

— CIRCUIT DESCRIPTION —

The injectors are provided to the intake manifold. They inject fuel into the cylinders based on the signals from the engine & ECT ECU.

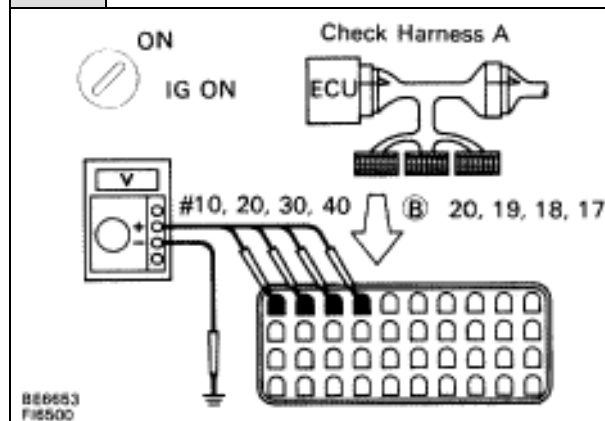
— DIAGNOSTIC CHART —



F16487

INSPECTION PROCEDURE

1 Check voltage between terminals #20 ~ 40 of engine & ECT ECU and body ground.



P (2) Connect the Check Harness A.
(See page [TR-30](#))

(2) Turn ignition switch on.

C Measure voltage between terminals #10 ~ 40 of engine & ECT ECU and body ground.

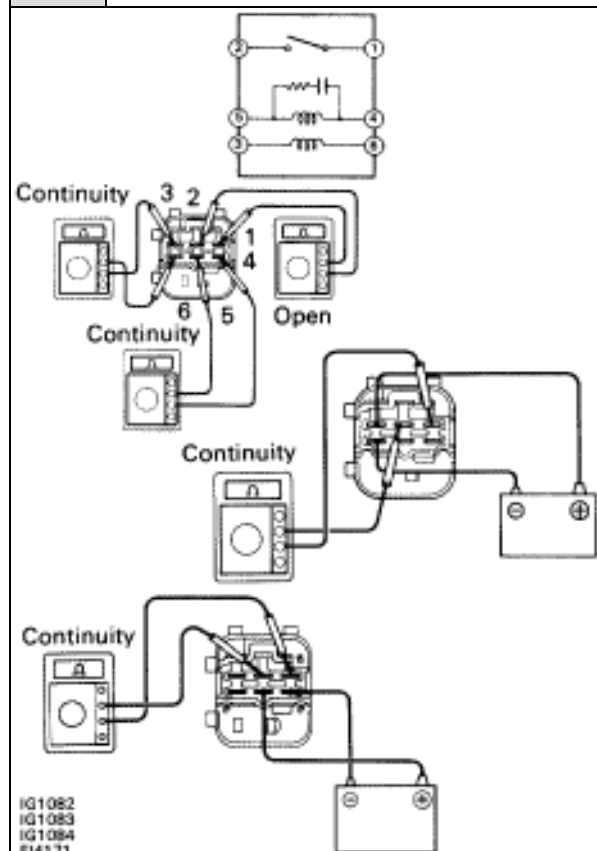
OK Voltage: 10 – 14 V

NG

OK

Go to step 3.

2 Check ignition relay.



P Remove ignition relay from R/B No.2.

C Check continuity between terminals of ignition relay shown below.

OK

Terminals 1 and 2	Open
Terminals 3 and 6	Continuity (Reference value 22 Ω)
Terminals 4 and 5	Continuity (Reference value 107 Ω)

Hint (2) Apply battery voltage between terminals of ignition relay shown below.

(2) Check continuity between terminals 1 and 2.

Terminals 1 and 2	Continuity
-------------------	------------

OK

NG

Replace ignition relay.

- 3** Check for open in harness and connector between terminal E01, E02 of engine & ECT ECU connector and body ground (See page [IN-27](#)).

OK

NG

Repair or replace harness or connector.

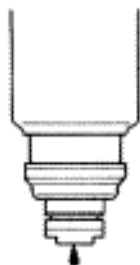
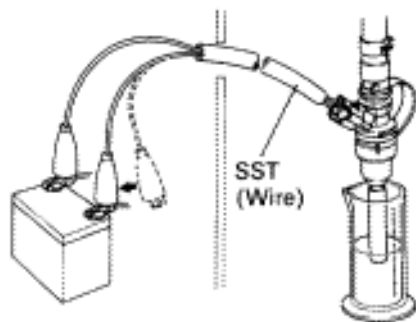
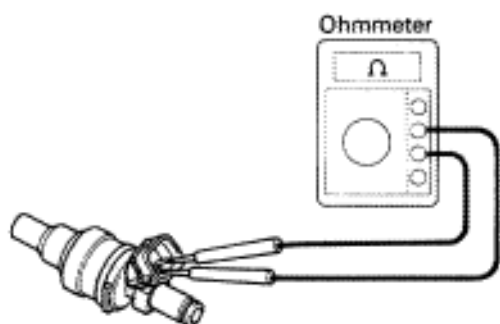
- 4** Check for open in harness and connector between ignition relay and injector, injector and engine & ECT ECU (See page [IN-27](#)).

OK

NG

Repair or replace harness or connector.

- 5** Check injectors.



F13183
F12573
F14849

P Disconnect injector connector (See page [FI-50](#)).

C Measure resistance of injector.

OK Resistance: 13.4 – 14.2 Ω at 20°C (68°F)

C Check injection volume of injector (See page [FI-52](#)).

- OK**
- Injection volume
55–70 cc/15 sec. (3.4–4.3 cu in.)
Difference between each injector:
Less than 10 cc (0.6 cu in.)
 - Leakage
Fuel drop: Once drop or less per minute.

OK

NG

Replace injector.

Proceed to next circuit inspection shown on matrix chart (See page [TR-35](#)).