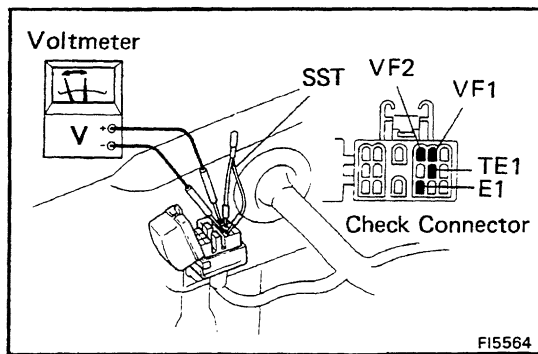




Oxygen Sensors

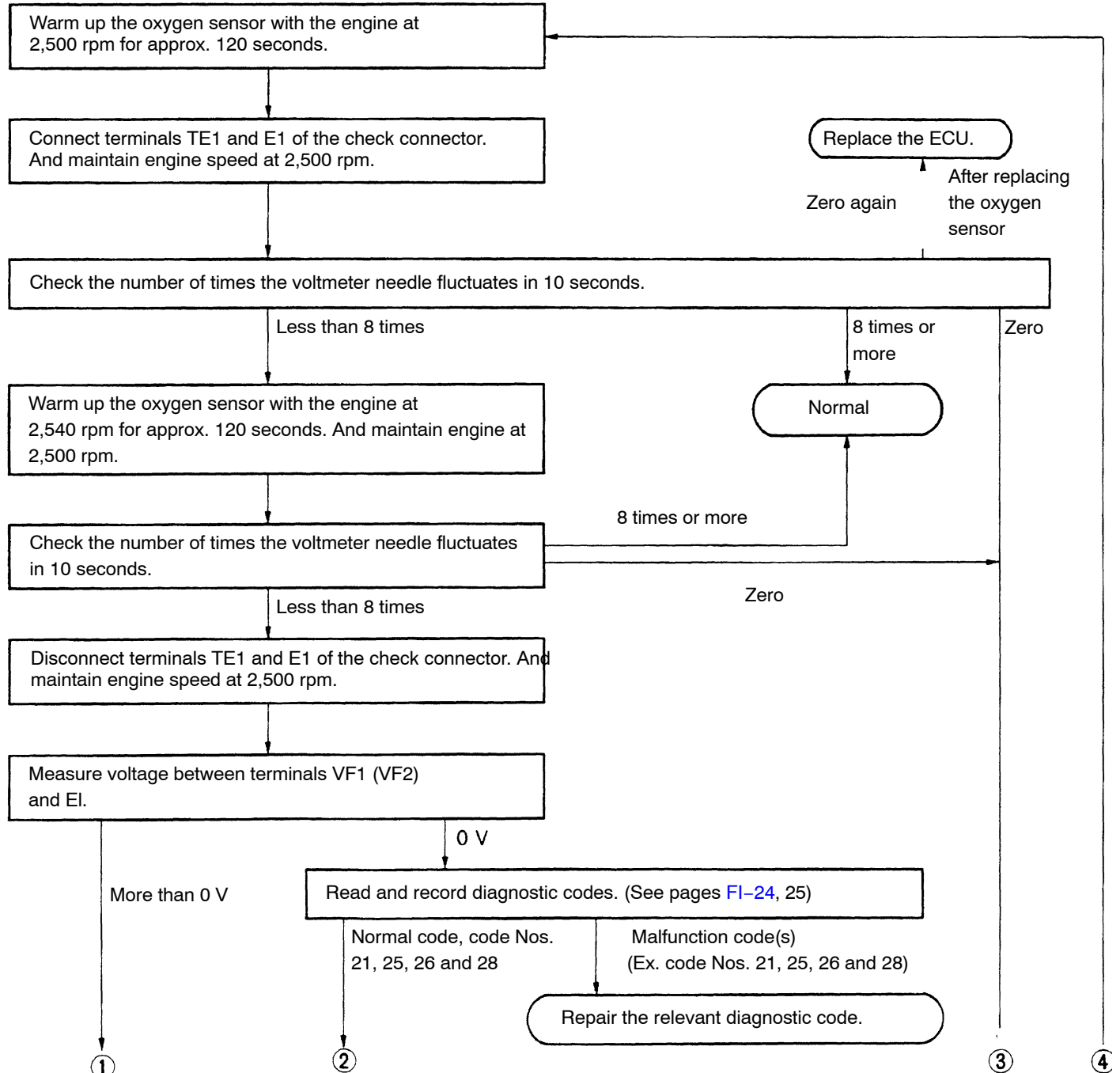
INSPECTION OF OXYGEN SENSOR

1. WARM UP ENGINE

Allow the engine to reach normal operating temperature.

2. INSPECT FEEDBACK VOLTAGE

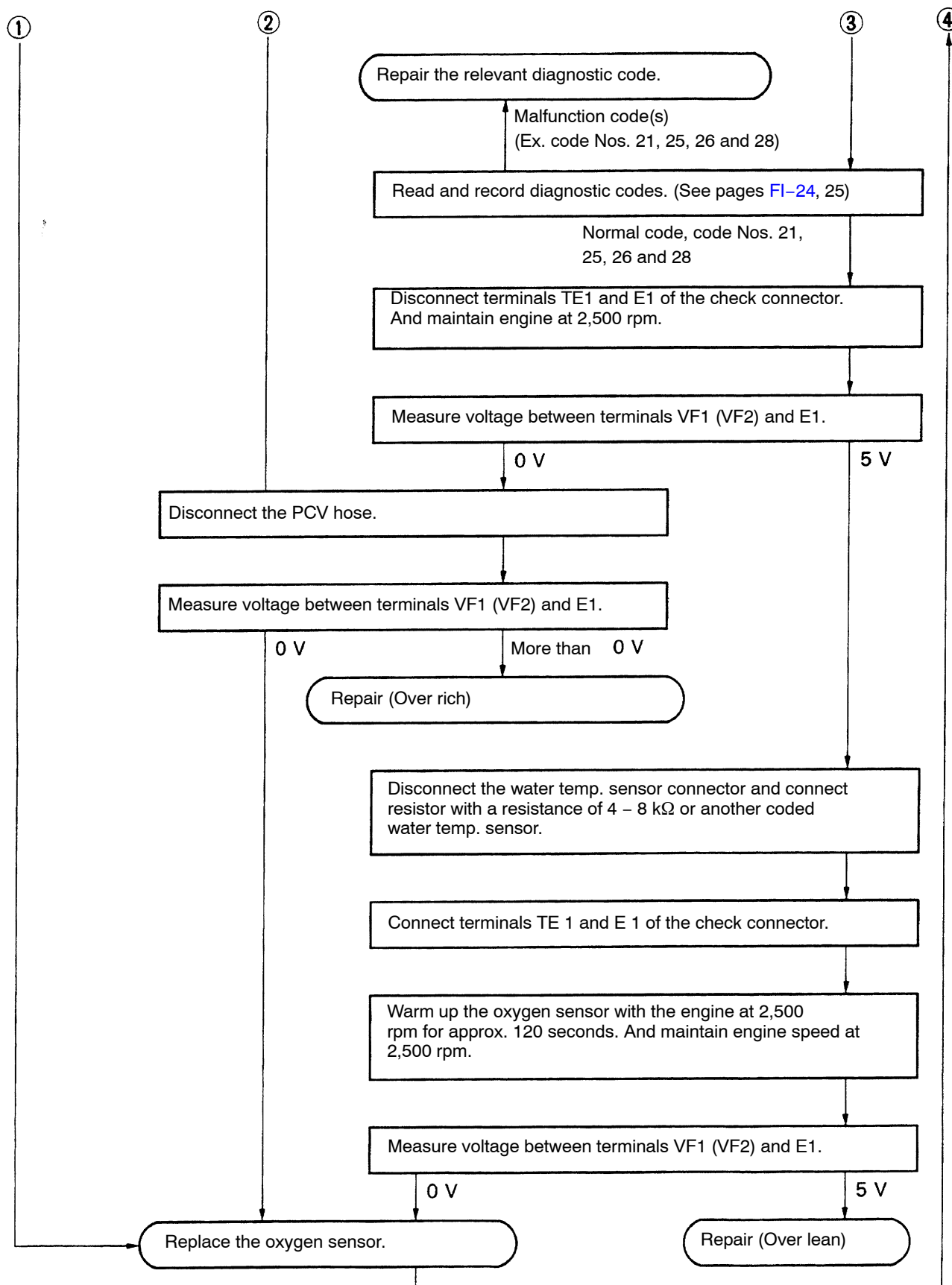
Connect the positive (+) probe of a voltmeter to terminal VF1 of the check connector, and negative (-) probe to terminal E1. Perform the test as follows:

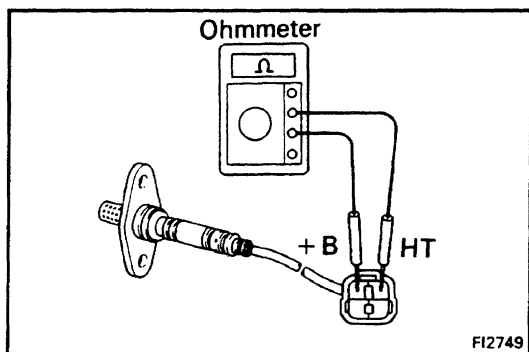


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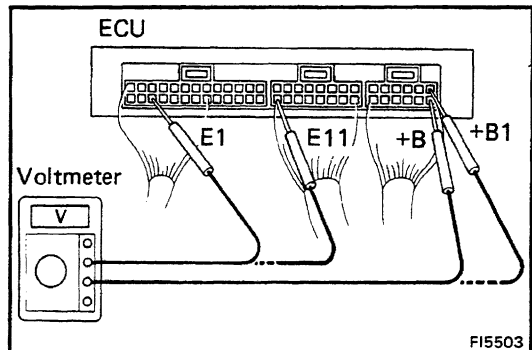


3. INSPECT HEATER RESISTANCE OF OXYGEN SENSOR

Using an ohmmeter, measure the resistance between the terminal + 8 and HT.

Resistance (Cold): 5.1 – 6.3Ω

If the resistance is not as specified, replace the sensor.



Electronic Controlled Unit (ECU)

INSPECTION OF ECU

HINT: The EFI circuit can be checked by measuring the resistance and voltage at the wiring connectors of the ECU.

1. INSPECT VOLTAGE OF ECU

Check the voltage between each terminal of the wiring connectors.

- Turn the ignition switch ON.
- Measure the voltage at each terminal.

HINT:

- Perform all voltage measurements with the connectors connected.
- Verify that the battery voltage is 11 V or more when the ignition switch is ON.

Voltage at ECU Wiring Connectors

Terminals	STD Voltage	Condition	
BATT-E1(E11)	10 – 14	—	
1G SW-E1(E11)		Ignition switch ON	
M-REL-E1 (E 11)			
+B (+B1)-E1 (E11)			
IDL-E2	4 – 6	Ignition switch ON	Throttle valve open
VC-E2	4 – 6		—
V _i A-E2	0.1 – 1.0		Throttle valve fully closed
	3 – 5		Throttle valve fully open
VC-E2	4 – 6	Ignition switch ON	—
VS-E2	4 – 5		Measuring plate fully closed
	0.02 – 0.08		Measuring plate fully open
	2 – 4		Idling
	0.3 – 1.0		3,000 rpm