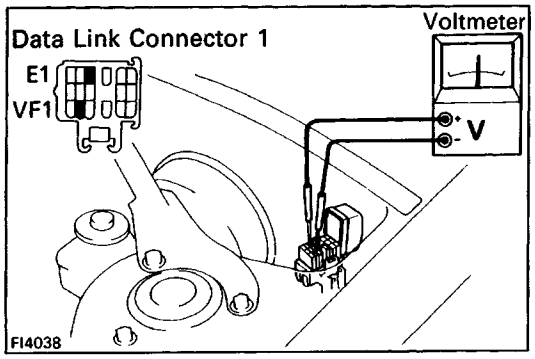



# Oxygen Sensor (Main)

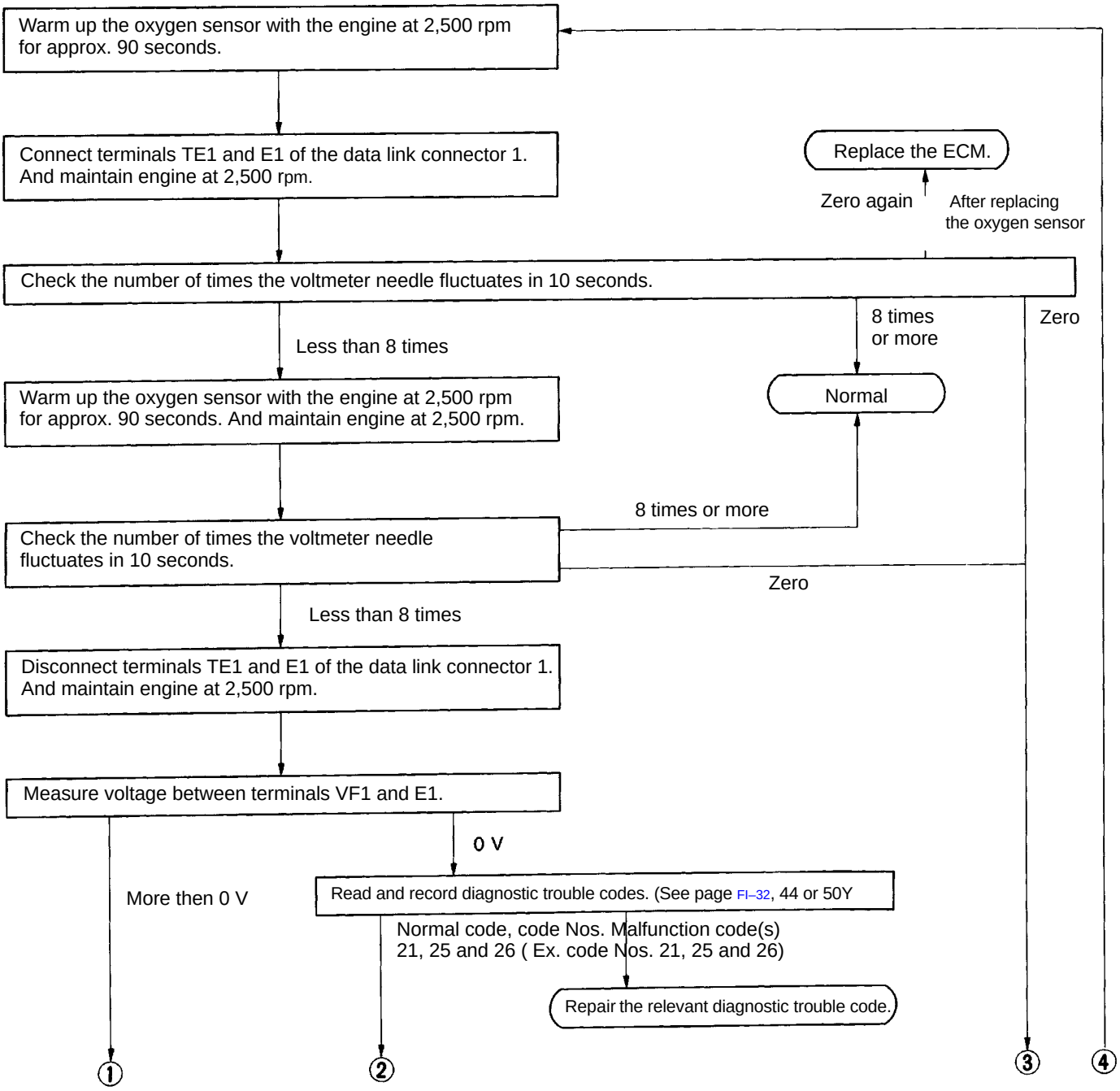
## INSPECTION OF OXYGEN SENSOR

### 1. WARM UP ENGINE

Allow the engine to warm up to normal operating tem–perature.

### 2. INSPECT FEEDBACK VOLTAGE

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

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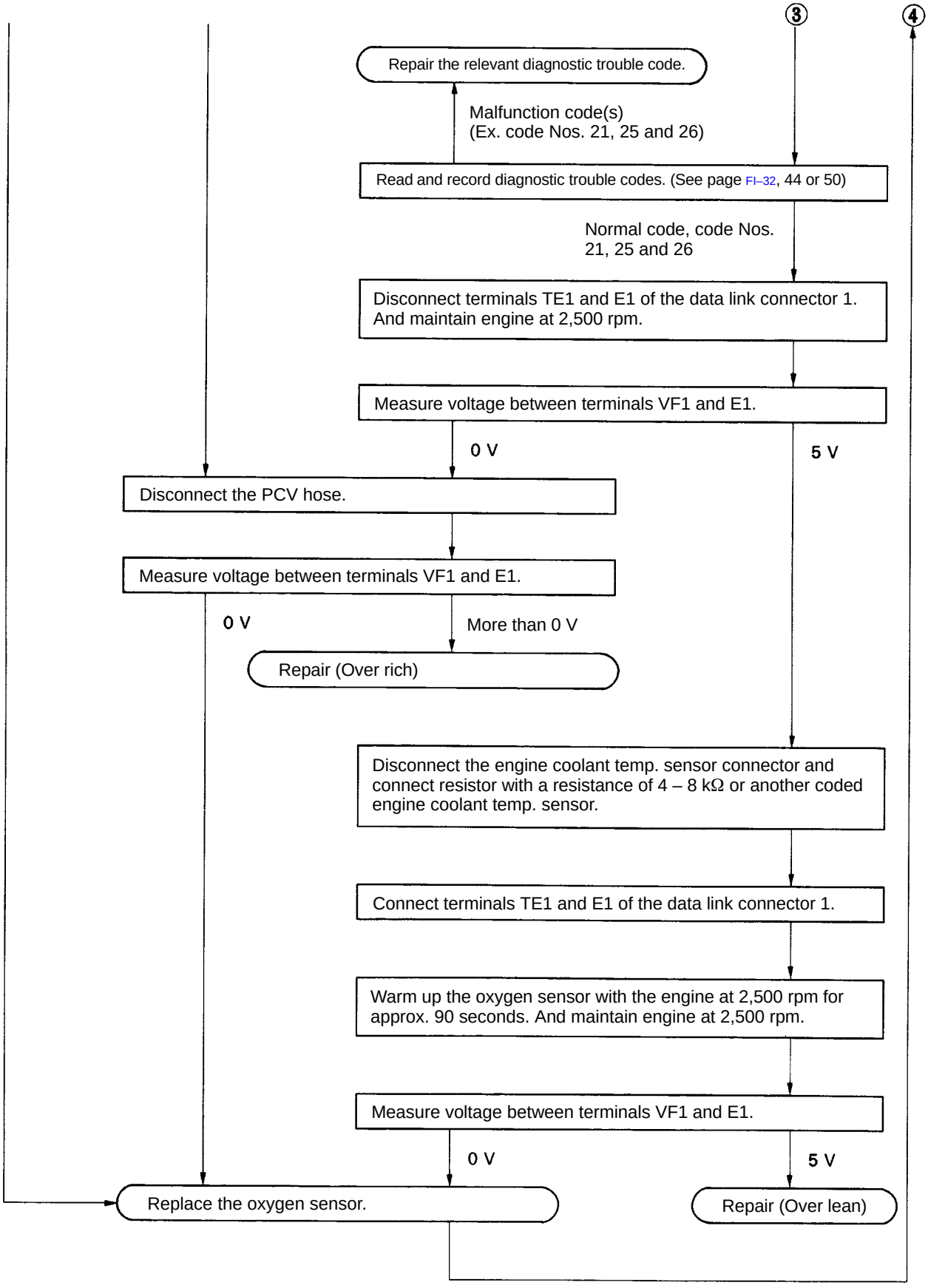

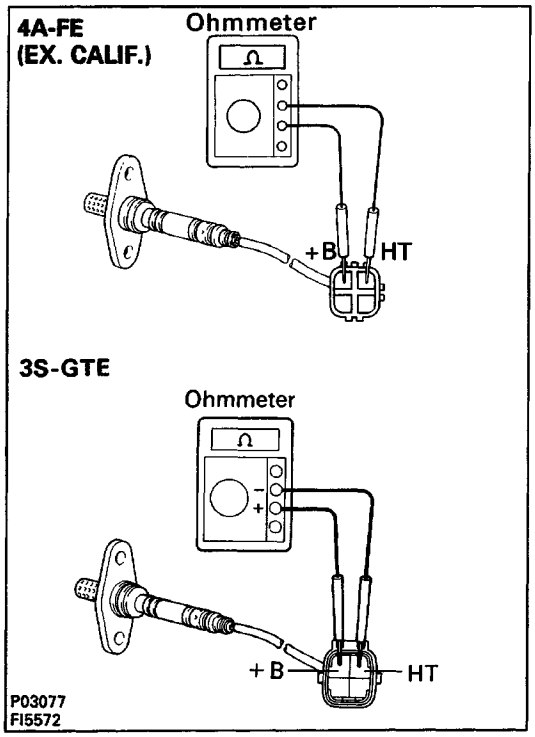


**3. (4A–FE (Ex. CALIF.) AND 3S–GTE)**

**INSPECT HEATER RESISTANCE OF OXYGEN SENSOR**

Using an ohmmeter, measure the resistance between the terminals +B and HT.

**Resistance (Cold): 5.1 – 6.3 kΩ at 20°C (68°F)**

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

# Sub–Oxygen Sensor (5S–FE CALIF. only)

## INSPECTION OF SUB–OXYGEN SENSOR

**INSPECT SUB–OXYGEN SENSOR**

HINT: Inspect it only when code No.27 is displayed.

(a) Cancel diagnostic trouble code. (See page FI–43)

(b) Warm up the engine until it reaches normal operating temperature.

(c) (M /T)

Drive for 5 minutes or more between 80 km/h (50 mph) and 100 km/h in 4th or 5th gear.

(A/T)

Drive for 5 minutes or more between 80 km/h (50 mph) and 100 km/h (62 mph) in ”D” position.

(d) Following the conditions in step (c), press fully on the accelerator pedal for 2 seconds or more.

HINT: Do not exceed 100 km/h (62 mph), or diagnostic trouble code will be cancelled.

(e) Stop the vehicle and turn the ignition switch OFF.

(f) Carry out steps (b), (c) and (d) again to test acceleration.

If code No. 27 appears again, check the sub–oxygen sensor circuit. If the circuit is normal, replace the sub–oxygen sensor.