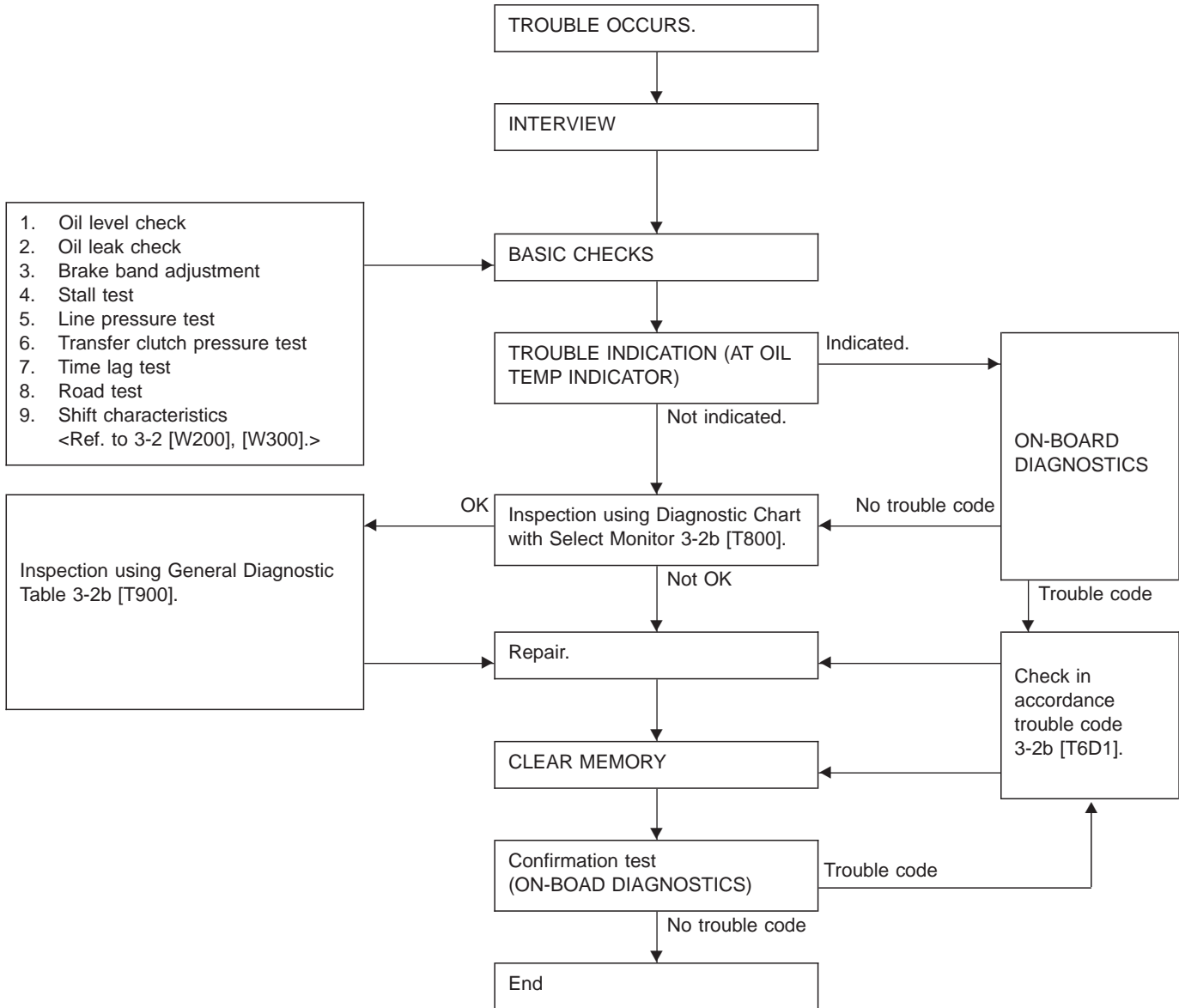


6. Diagnostic Chart for On-board Diagnostic System

A: BASIC DIAGNOSTICS PROCEDURE



B: ABNORMAL DISPLAY ON AT OIL TEMP INDICATOR

When any on-board diagnostic item is malfunctioning, the display on the AT OIL TEMP indicator blinks immediately after the engine starts.

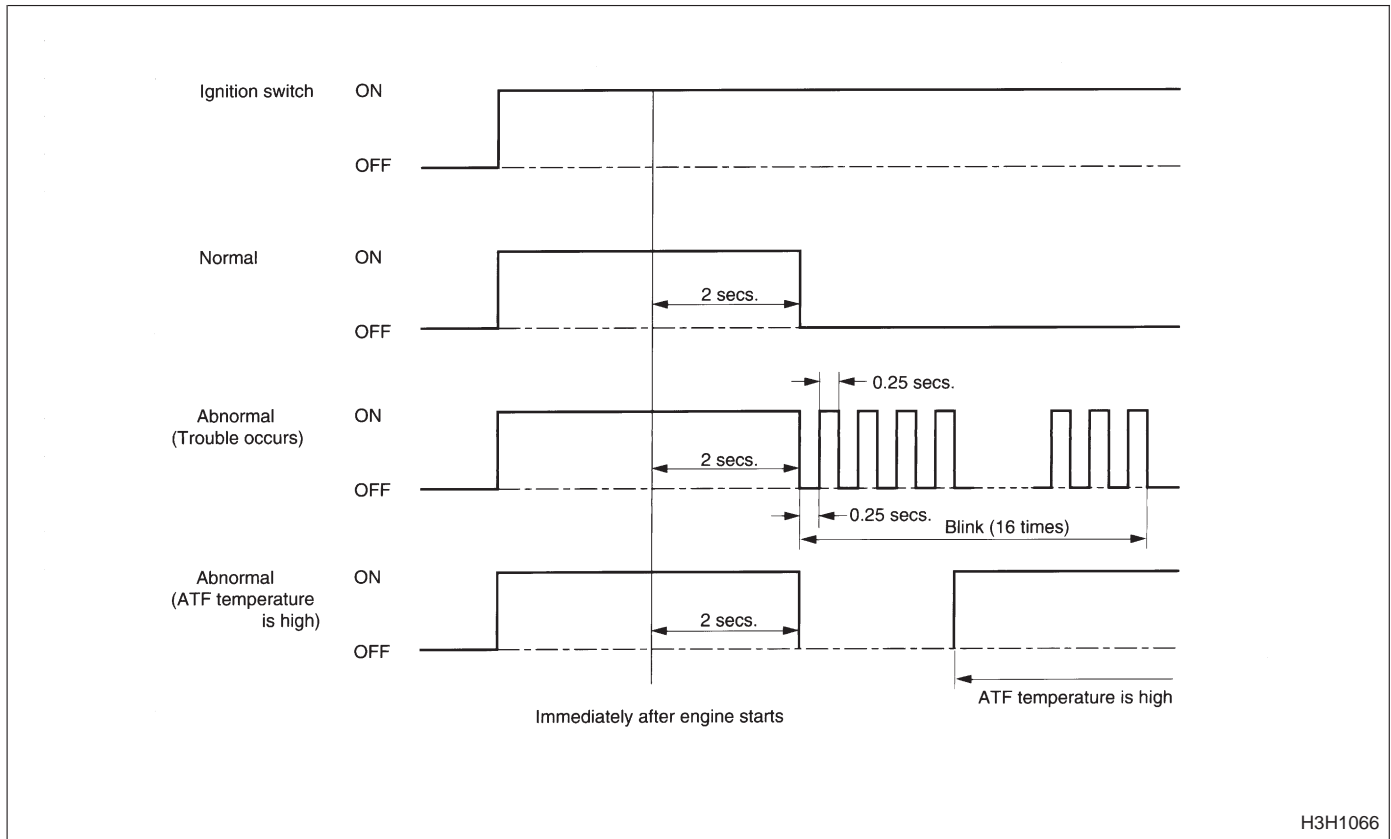
The malfunctioning part or unit can be determined by a trouble code during on-board diagnostic operation. Problems which occurred previously can also be identified through the memory function.

If the AT OIL TEMP indicator does not show a problem (although a problem is occurring), the problem can be determined by checking the performance characteristics of each sensor using the select monitor.

Indicator signal is as shown in the figure.

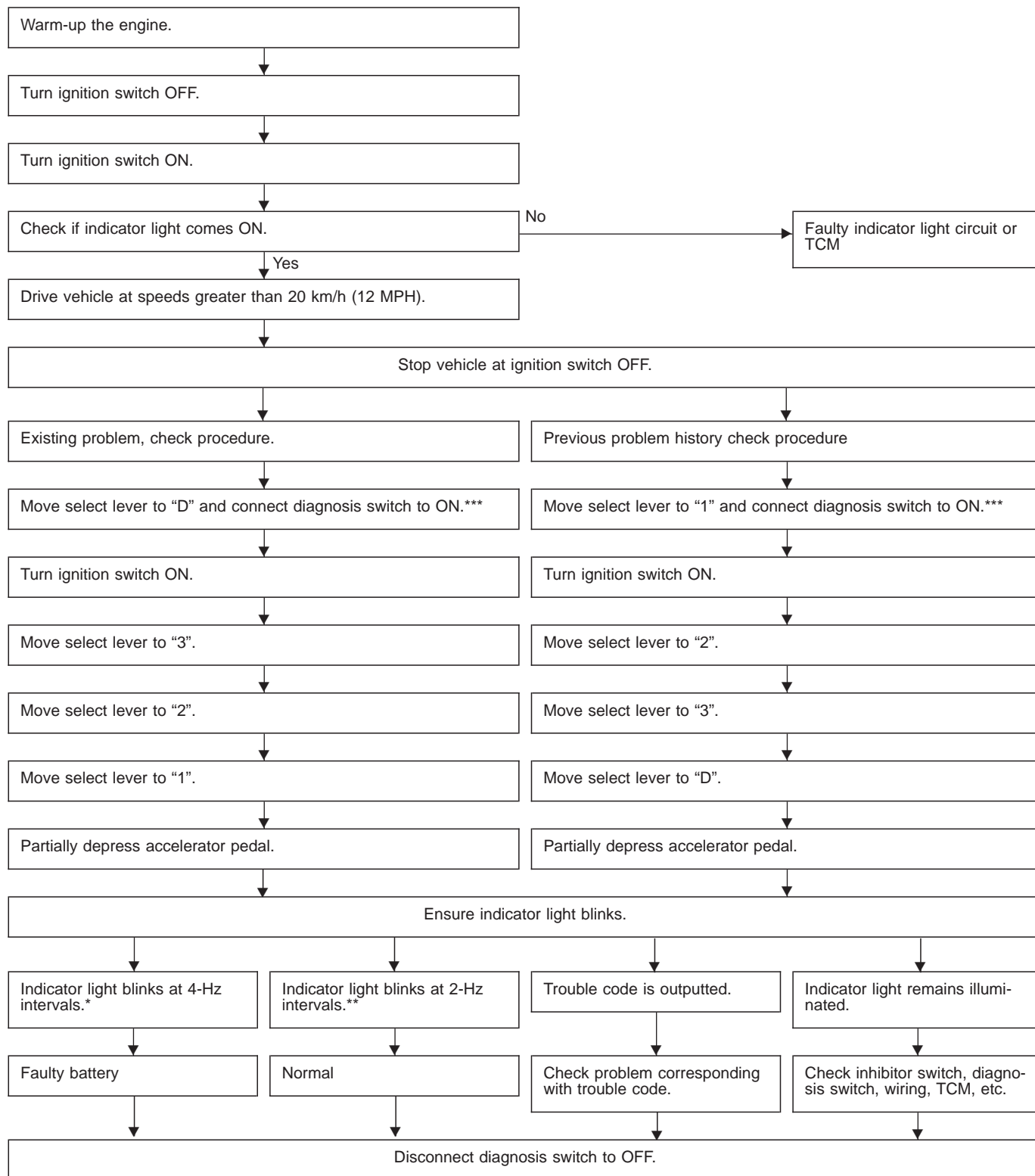
WARNING:

Warning can be noticed only when the engine is initially started.



H3H1066

C: ON-BOARD DIAGNOSTICS



* : Blinks every 0.125 (1/8) seconds (until ignition switch is turned OFF).

** : Blinks every 0.25 (1/4) seconds (until ignition switch is turned OFF).

*** : Plug in diagnosis terminal to diagnosis connector No. 5 located below instrument lower cover.

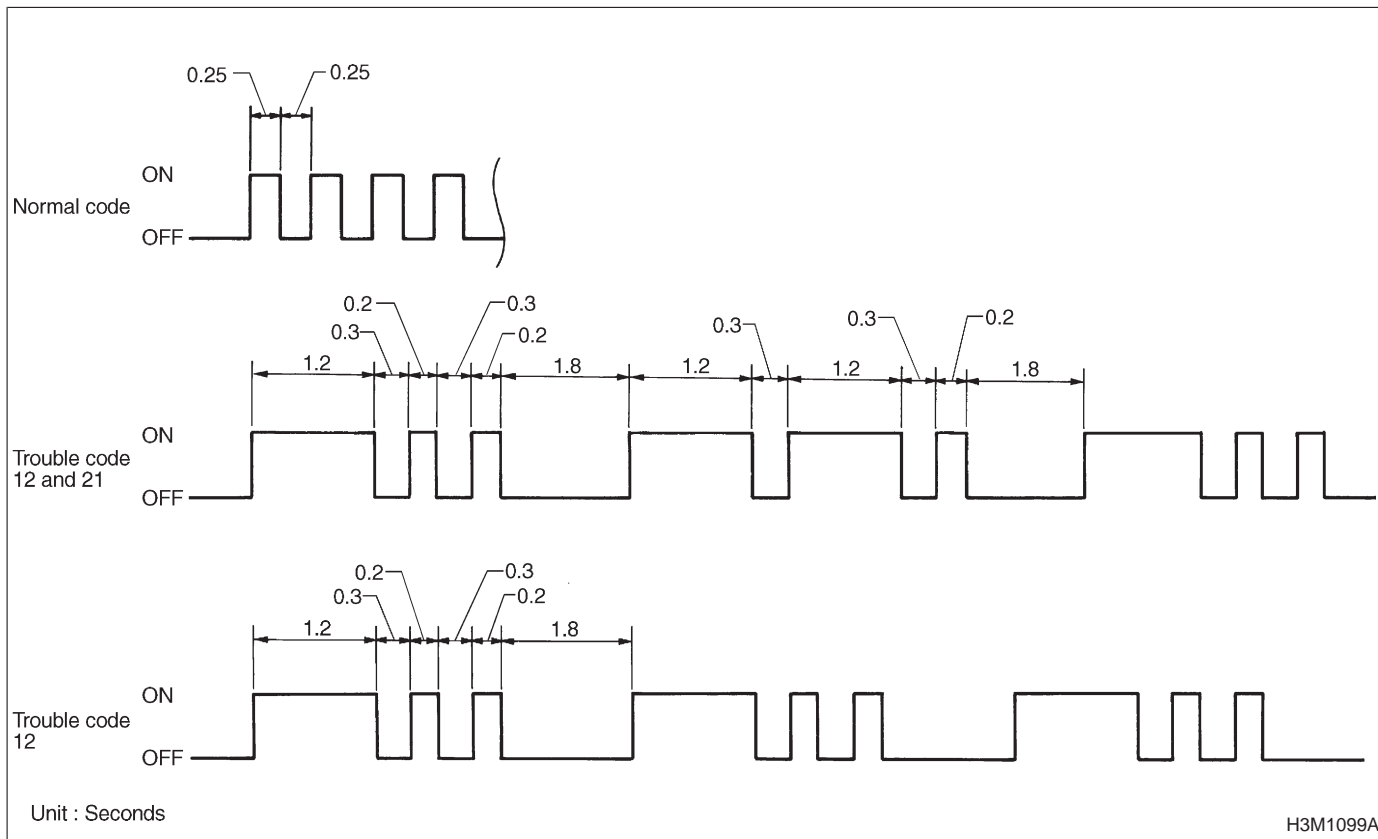
D: LIST OF TROUBLE CODE**1. TROUBLE CODE**

| Trouble code | Item | Content of diagnosis | Abbr. (Select monitor) | Page |
|--------------|---------------------------|--|---------------------------|------|
| 11 | Duty solenoid A | Detects open or shorted drive circuit, as well as valve seizure. | PL | 16 |
| 12 | Duty solenoid B | Detects open or shorted drive circuit, as well as valve seizure. | L/U | 20 |
| 13 | Shift solenoid 3 | Detects open or shorted drive circuit, as well as valve seizure. | OVR | 24 |
| 14 | Shift solenoid 2 | Detects open or shorted drive circuit, as well as valve seizure. | SFT2 | 26 |
| 15 | Shift solenoid 1 | Detects open or shorted drive circuit, as well as valve seizure. | SFT1 | 28 |
| 16 | Torque control cut signal | Detects open or shorted input signal circuit. | TQ.DS | 30 |
| 21 | ATF temperature sensor | Detects open or shorted input signal circuit. | ATFT | 32 |
| 22 | Mass air flow signal | Detects open or shorted input signal circuit. | AFM | 35 |
| 23 | Engine speed signal | Detects open or shorted input signal circuit. | EREV | 37 |
| 24 | Duty solenoid C | Detects open or shorted drive circuit, as well as valve seizure. | 4WD | 39 |
| 25 | Torque control signal | Detects open or shorted input signal circuit. | TQ.CT | 41 |
| 31 | Throttle position sensor | Detects open or shorted input signal circuit. | THV | 43 |
| 32 | Vehicle speed sensor 1 | Detects open or shorted input signal circuit. | VSP1 | 46 |
| 33 | Vehicle speed sensor 2 | Detects open or shorted input signal circuit. | VSP2 | 50 |

2. HOW TO READ TROUBLE CODE OF INDICATOR LIGHT

The AT OIL TEMP indicator light flashes the code corresponding to the faulty part.

The long segment (1.2 sec on) indicates a “ten”, and the short segment (0.2 sec on) signifies a “one”.



E: CLEAR MEMORY

Current trouble codes shown on the display are cleared by turning the ignition switch OFF after conducting on-board diagnostic operation. Previous trouble codes, however, cannot be cleared since they are stored in the TCM memory which is operating on the back-up power supply. These trouble codes can be cleared by removing the specified fuse (located under the right lower portion of the instrument panel).

CLEAR MEMORY:

Removal of No. 14 fuse (for at least one minute)

- The No. 14 fuse is located in the line to the memory back-up power supply of the TCM and ECM (MFI). Removal of this fuse clears the previous trouble codes stored in the TCM and ECM (MFI) memory.
- Be sure to remove the No. 14 fuse for at least the specified length of time. Otherwise, trouble codes may not be cleared.