C: ON-BOARD DIAGNOSTICS

```
┌─────────────────────────────────────────────┐
│ Warm-up the engine.                           │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Turn ignition switch OFF.                     │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Turn ignition switch ON.                      │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐      No     ┌──────────────────────────────┐
│ Check if indicator light comes ON.            │───────────▶│ Faulty indicator light circuit.│
└─────────────────────────────────────────────┘            │ <Ref. to 3-2 [T700].>         │
                      │ Yes                                  └──────────────────────────────┘
┌─────────────────────────────────────────────┐
│ Drive vehicle at speeds greater than 20 km/h (12 MPH). │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Stop vehicle at ignition switch OFF.          │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Turn ignition switch to ON.                   │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Move select lever to 1 range.                 │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Turn ignition switch to OFF.                  │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Turn ignition switch to ON.                   │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Move select lever to 2 range.                 │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Move select lever to 1 range.                 │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Move select lever to 2 range.                 │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Move select lever to 3 range.                 │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────┐
│ Move select lever to D range.                 │
└─────────────────────────────────────────────┘
                      │
┌─────────────────────────────────────────────────────────────────────────────────────┐
│                         Ensure indicator light blinks.                                 │
└─────────────────────────────────────────────────────────────────────────────────────┘
        │                      │                        │                        │
┌──────────────────┐  ┌──────────────────┐  ┌──────────────────────┐  ┌──────────────────────┐
│ Indicator light  │  │ Indicator light  │  │ Trouble code is      │  │ Indicator light      │
│ blinks at 4-Hz   │  │ blinks at 2-Hz   │  │ outputted.           │  │ remains illumi-      │
│ intervals.*      │  │ intervals.**     │  │                      │  │ nated.               │
└──────────────────┘  └──────────────────┘  └──────────────────────┘  └──────────────────────┘
        │                      │                        │                        │
┌──────────────────┐  ┌──────────────────┐  ┌──────────────────────┐  ┌──────────────────────┐
│ Faulty battery   │  │ Normal           │  │ Check problem        │  │ Check inhibitor      │
│                  │  │                  │  │ corresponding        │  │ switch, wiring,      │
│                  │  │                  │  │ with trouble code.   │  │ TCM, etc.            │
└──────────────────┘  └──────────────────┘  └──────────────────────┘  └──────────────────────┘
```
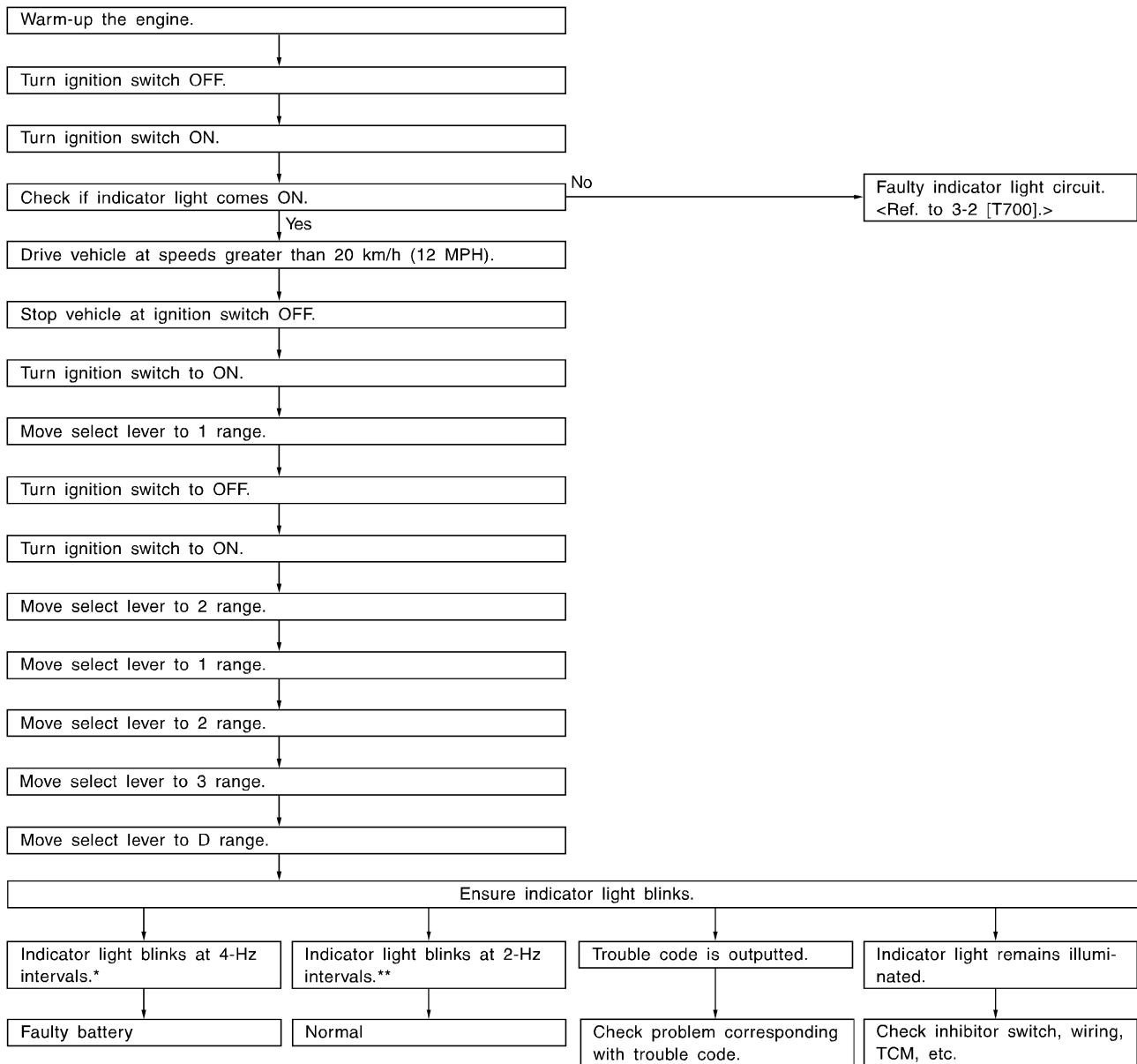
* : Blinks every 0.125 (1/8) seconds (until ignition switch is turned OFF).
** : Blinks every 0.25 (1/4) seconds (until ignition switch is turned OFF).

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8. Diagnostic Chart with Trouble Code

A: LIST OF TROUBLE CODE

1. TROUBLE CODE

Trouble code	Item	Content of diagnosis	Title index No.
11	Engine speed signal	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8C0].>
27	ATF temperature sensor	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8D0].>
31	Throttle position sensor	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8E0].>
33	Vehicle speed sensor 2 (Front)	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8F0].>
36	Torque converter turbine speed sensor	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8G0].>
38	Torque control signal	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8H0].>
45	Intake manifold pressure signal	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8I0].>
71	Shift solenoid 1	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8J0].>
72	Shift solenoid 2	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8K0].>
73	Low clutch timing solenoid	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8L0].>
74	2-4 brake timing solenoid	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8M0].>
75	Line pressure duty solenoid	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8N0].>
76	2-4 brake duty solenoid	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8O0].>
77	Lock-up duty solenoid	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8P0].>
79	Transfer duty solenoid	Detects open or shorted output signal circuit.	<Ref. to 3-2 [T8Q0].>
93	Vehicle speed sensor 1 (Rear)	Detects open or shorted input signal circuit.	<Ref. to 3-2 [T8R0].>