

INPUT/OUTPUT CHECK MODE OPERATION

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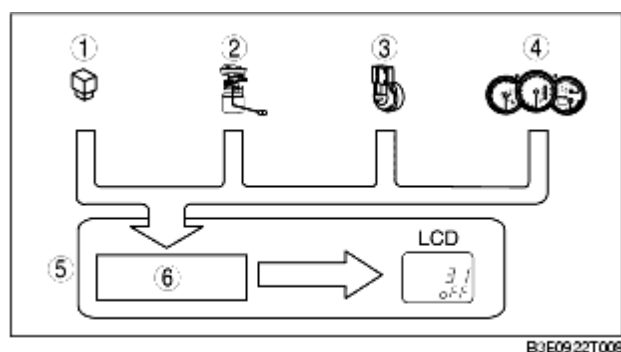
Operation procedure

- Refer to Mazda3 Workshop Manual.

Input circuit check

- When the parts listed in the chart are operated and signal is output to the instrument cluster, the built-in microcomputer determines the operability of the input circuit based on that signal.

Check code	Parts sending input signal
08	TNS relay
22	Fuel gauge sender unit
31	Key reminder switch (built into the ignition switch)
55	Dimmer switch (built into the instrument cluster)



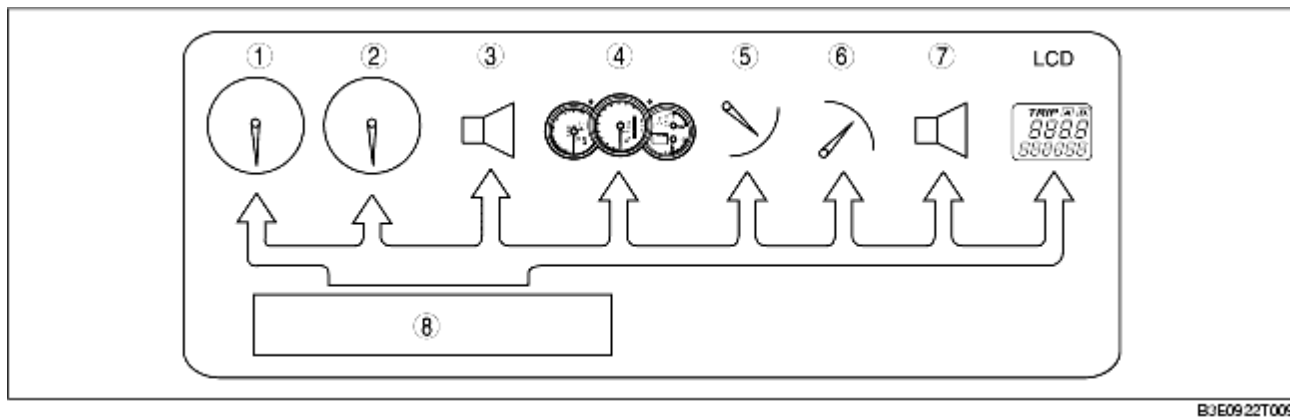
1	TNS relay
2	Fuel gauge sender unit
3	Key reminder switch (ignition switch)
4	Dimmer switch
5	Instrument cluster
6	Microcomputer

Individual circuit check

- By operating the parts listed in the chart, the built-in microcomputer determines the operability of the individual parts.

Check code	Parts sending input signal
12	Speedometer
13	Tachometer
14	Buzzer
16	Fuel-level warning light

23	Fuel gauge
25	Water temperature gauge
26	LCD, warning and indicator light
32	Indicator buzzer



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1	Speedometer
2	Tachometer
3	Buzzer
4	Warning and indicator light
5	Fuel gauge
6	Water temperature gauge
7	Indicator buzzer
8	Microcomputer

PID/Data Monitor and Record

- The PID/data monitoring items for the instrument cluster is as shown in following the table:

Monitor item table

-: Not applicable

Not applicable				
Monitor item	Input-output signal/part name	Unit/State		Terminal
CCNT_HE	DTC	Number of continuous DTCs		-
ECT_GAUGE	Water temperature gauge	°F	°C	1I, 1K
NUMKEYS	Number of key ID numbers registered with the vehicle	-		-
ODO COUNT	Odometer	m		1I, 1K
RPM	Tachometer	rpm		
SPEEDSG	Speedometer	mph	km/h	