

ON-BOARD DIAGNOSTIC SYSTEM FUNCTION

B3E092066900T05

Self-diagnostic Function

Malfunction detection function

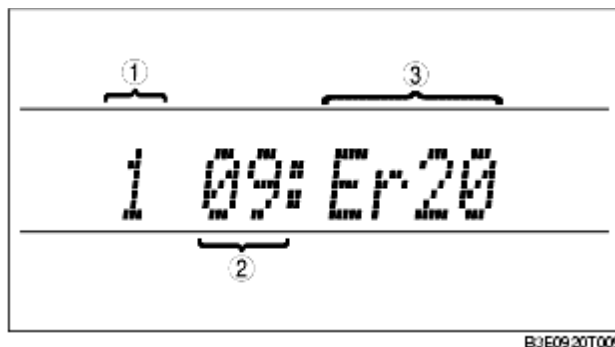
- The malfunction detection section detects malfunctions occurring in the system.

Memory function

- The memory function detects a malfunction, changes it to a DTC, and stores it in the memory. The memory can store a maximum of three DTCs. If another malfunction is detected when three DTCs are already stored, the memory function clears the oldest DTC and stores the new one.
- Once a DTC is stored, it can only be cleared by the designated procedure; not by turning the ignition switch to the LOCK position or disconnecting the negative battery cable. The procedure is mentioned in the Service Section.

Display function

- When the self-diagnostic function is activated, the information display displays the DTC stored in the memory.
- The DTC consists of the following codes and numbers:
 - Supplier code (indicates manufacturer)
 - Part number (indicates malfunctioning part)
 - Error code (indicates malfunction description)
- Refer to the Service Section for the display method.



1	Supplier code
2	Part number
3	Error code

Supplier code	Supplier name
1	FMS Audio
2	Panasonic
3	Clarion

Parts number	Parts name
00	Cassette deck (lower module)

03	CD player (upper module)
05	CD changer (external)
06	CD changer (upper module)
07	MD player (lower module)
09	Base unit
10	MP3 applicable CD player system

Error code	Malfunction description
01	Internal mechanism error
02	Servo mechanism error
03	Mechanism stuck
07	Disc reading error
08	Blank media
10	BUS line (communication line) error
20	Insufficient power supply
22	Tuner error

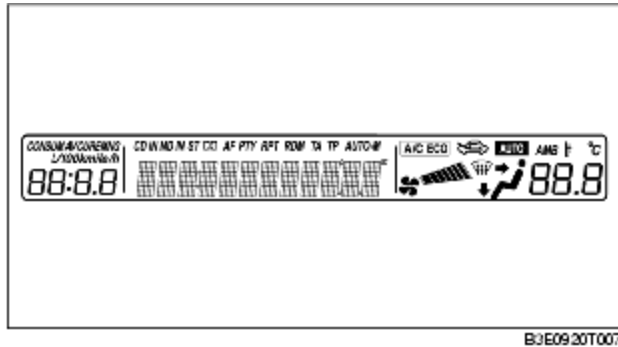
Screen display		Malfunction location
DTC	Output signal	
09: Er22	-	Base unit (peripheral circuit for tuner)
09: Er20	-	Power supply circuit to base unit
00: Er10	-	Cassette deck communication circuit system
03: Er10	-	CD player communication circuit system
05: Er10	-	CD changer (external) communication circuit system
06: Er10	-	CD changer (upper module) communication circuit system
07: Er10	-	MD player communication circuit system
03: Er01	-	CD player system
03: Er02	CHECK CD	CD player system
03: Er07	CHECK CD	CD player system
00: Er01	-	Cassette deck system
00: Er03	-	Cassette deck system
00: Er04	CHECK TAPE	Cassette tape system
05: Er01	-	CD changer (external) system
05: Er07	CHECK CD	CD changer (external) system
06: Er01	-	CD changer (upper module) system
06: Er02	CHECK CD	CD changer (upper module) system
06: Er07	CHECK CD	CD changer (upper module) system
07: Er01	-	MD player system
07: Er02	CHECK MD	MD player system
07: Er07	CHECK MD	MD player system
07: Er08	CHECK MD	MD system
10: Er01	-	MP3 applicable CD player system
10: Er02	CHECK CD	MP3 applicable CD player system
no Er	-	No DTCs stored

Diagnostic Assist Function

- The diagnostic assist function displays the operating condition of the following functions (components) and forces them to operate in order to examine whether they are malfunctioning or not.
- For the start procedure of each mode, refer to the Service Section.

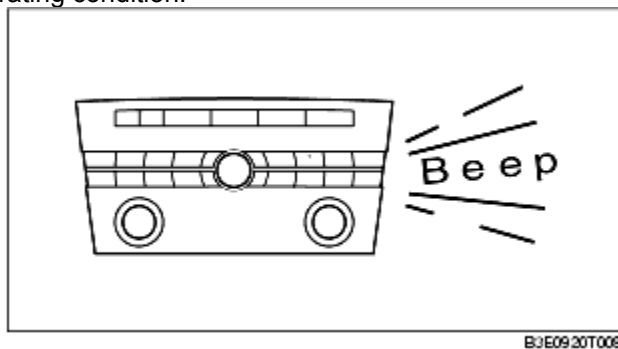
LCD

- The diagnostic assist function illuminates all characters in the LCD of information display to check for truncated or faint characters.



Switch

- The diagnostic assist function sounds the buzzer when the switches are pressed to check their operating condition.



Speaker

- The diagnostic assist function outputs sound to the speakers in the following order to determine the operating condition of the speakers and wiring harnesses between the base unit and each speaker.
 1. Left front door speaker and tweeter
 2. Right front door speaker and tweeter
 3. Right rear door speaker
 4. Left rear door speaker

Radio

- The diagnostic assist function displays the radio reception condition in 10 levels (0-9) to assist in determining the condition of the antenna, antenna feeders, and base unit (tuner).

