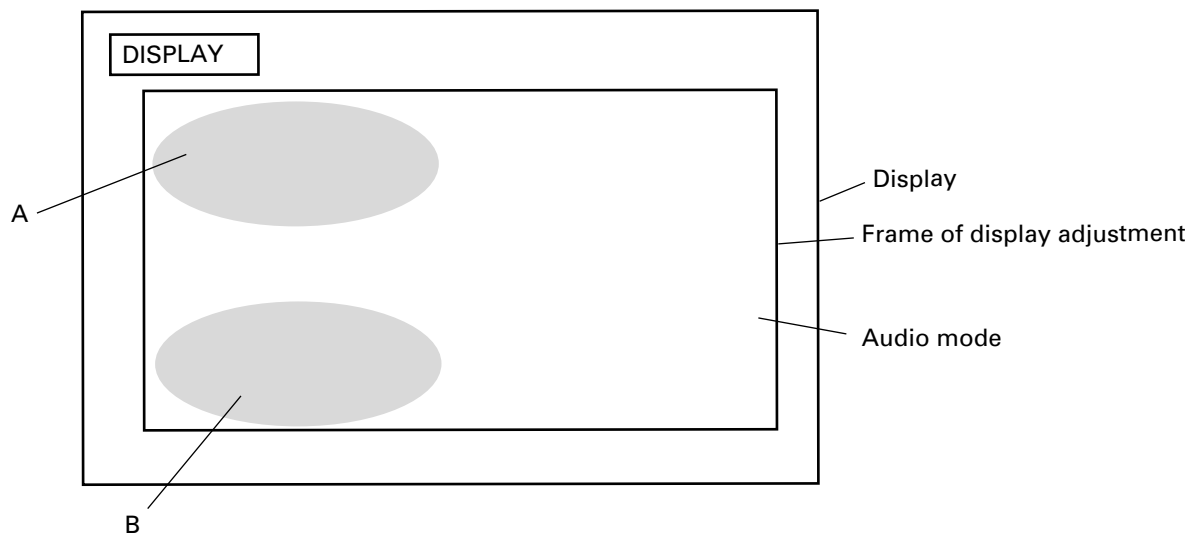


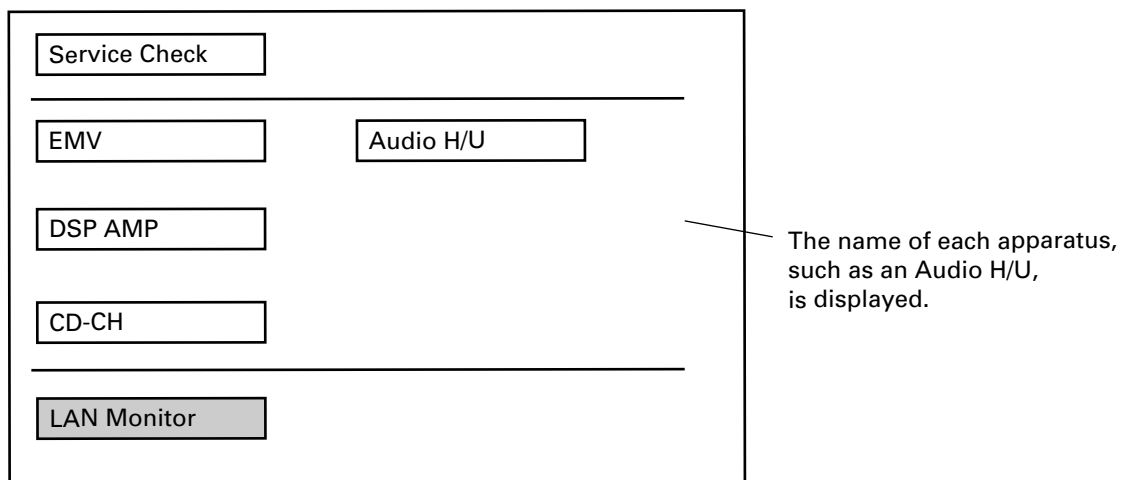
6.3 SELF-DIAGNOSTIC FUNCTION

1.To Service Check



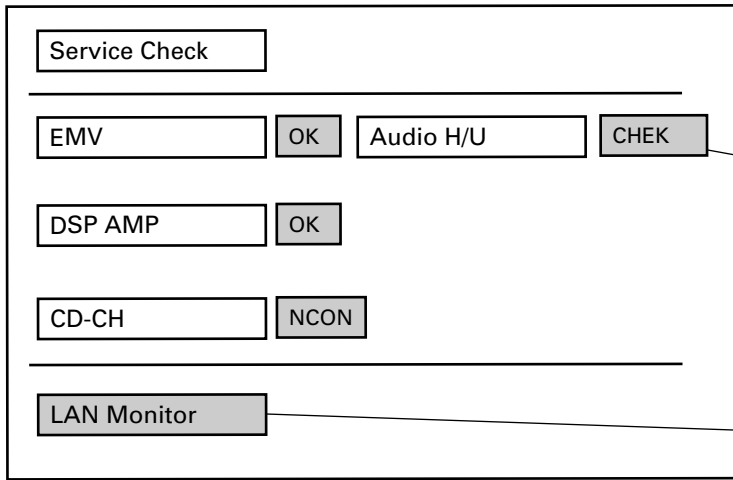
1. Press [AUDIO] key of EMV .
2. Press [DISPLAY] key of EMV .
3. The position of A and B is order of pushed 6 times in A,B,A,B,A and B.
->Service Check screen is displayed.

2.Service Check



->As it is, it waits for a while.
(In general less than 1 minute)





When displayed as [CHEK] or [EXCH], details will be displayed if the portion is touched.

It changes on the screen which displays the abnormalities on communication.

The diagnostic result of each model is displayed.

Results are [OK], [NCON],[CHEK], and [EXCH].

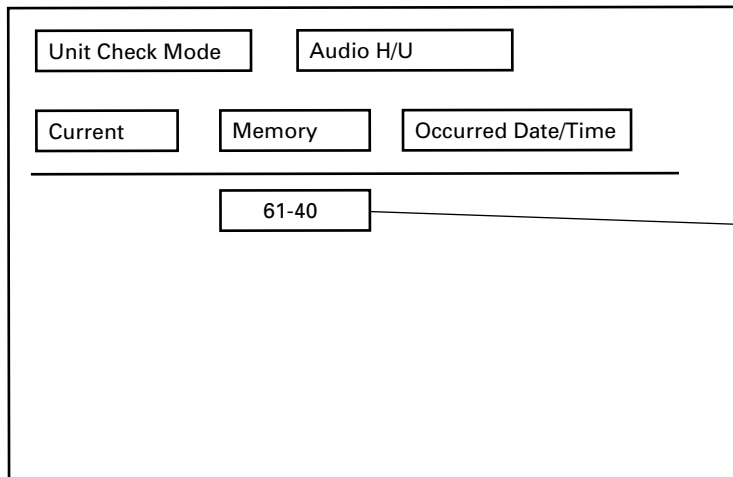
OK : No error code

NCON : EMV has judged it as the thing without connection.

(Disconnection being possible if there is actually connection)

CHEK : An error code indicating that diagnosis is judged to be necessary is entered.

EXCH : An error code indicating that exchange is judged to be necessary is entered.



The detected abnormalities (Diagnosis code) are displayed. At this example, it is 40 (abnormalities in mechanism or media) of 61 (= cassette).

3.How to exit from the diagnostic test mode

ACC-OFF

Diagnosis code table

Logical address name	Logical address	Diagnosis code	Diagnosis details
Communication control	01H	00	No diagnosis
		01	Abnormal reset
		10	Abnormal +B
		11	Abnormal ACC
		12	Abnormal MUTE
		13	Fuse broken
		20	Microcomputer - abnormal
		21	ROM - abnormal
		22	RAM - abnormal
		23	Bus - abnormal
		24	F-ROM - abnormal
		25	V-RAM - abnormal
		26	Gate alloy abnormal
		27	Paint controller abnormal
		28	Backup memory abnormal
		29	Voice output controller abnormal
		2A	Internal power supply abnormal
		30	Sync signal abnormal (input)
		31	Sync signal abnormal (output)
		D0	ECU not connected
		D1	Transmission abnormal
		D2	Connecting confirmation: abnormal
		D4	Connecting confirmation: no response
		D5	Registered device data missing
		D6	(History of registered devices)
		D7	Master unavailable
		D8	Connecting confirmation: abnormal
		D9	Connecting confirmation: no response
		DA	Last made abnormal
		DB	Command/order: no response
		DC	Mode status abnormal
		DD	Transmission fault
		DE	Master reset
DF	Slave reset		
E0	Master abnormal		
E1	Registration completion acknowledgement error		
E2	Voice processor ON abnormal		
E3	ONOFF command or parameter abnormal		
E4	Registration command transmission multiple frames intermit		
FF	Diagnosis - no response		

Logical address name	Logical address	Diagnosis code	Diagnosis details
Radio	60H	10	AM tuner PLL unlocked
		11	FM tuner PLL unlocked
		40	No antenna connected
		41	Antenna power supply abnormal
		42	Tuner power supply abnormal
		43	AM tuner abnormal
		44	FM tuner abnormal
		45	SW tuner abnormal
		40H	TV tuner PLL unlocked
		11	FRONTEND abnormal
40	TV divergence shifting error		
41	TV - no reception		
42	VNR screen error		
43	No antenna connected		
44	Antenna power supply abnormal		
45	SEL +B current - small		
46	SEL +B current - large		
61H	Belt broken		
Cassette tape	61H	40	Mechanical failure or cassette broken
		41	EJECT failure
		42	TAPE jamming
		43	Dirty head
		44	Mech power supply abnormal
CD	43H	10	CD Mech abnormal
		11	CD loading/unloading abnormal
		12	CD lead-in abnormal
		40	No disc loaded
		41	Incorrect disc
		42	Disc unreadable
		43	CD-ROM abnormal
		44	CD abnormal
		45	EJECT abnormal
		46	Scratches or non-recorded side
47	CD high temperature detected		
48	Excessive current detected		
50	Tray IN/OUT abnormal		
51	Elevator abnormal		
52	Clamp abnormal		
MD	64H	10	MD mech abnormal
		11	MD IN/OUT abnormal
MD-CH	65H	12	MD lead-in abnormal
		40	No disc loaded
		41	Incorrect disc
		42	Disc unreadable
		43	MD-ROM abnormal
		44	MD abnormal
		45	EJECT error
		46	Scratches or non-recorded side
		47	MD high temperature detected
		48	Excessive current detected
50	Tray IN/OUT abnormal		
51	Elevator abnormal		
52	Clamp abnormal		

Logical address name	Logical address	Diagnosis code	Diagnosis details		
Navigation/GPS	58H 80H	10	Gyroscope abnormal		
		11	GPS receiver abnormal		
		12	RTC abnormal		
		13	SS section abnormal		
		14	No Time updating		
		15	TCXO abnormal		
		16	PLL lock abnormal		
		40	GPS antenna abnormal		
		41	GPS antenna power supply abnormal		
		42	Map disc reading abnormal		
		43	SPD signal abnormal		
		44	Player abnormal		
		45	High temperature abnormal		
		FM multiplex (WCS), radio wave beacon, optical beacon, FM multiplex (data), and FM multiplex tuner	54H 84H 58H 83H 82H 94H 85H	41	Antenna power supply abnormal
				45	Radio wave beacon - no antenna connected
46	Optical beacon - no antenna connected				
47	No FM antenna connected				
4A	FM receiver abnormal				
4B	Radio wave beacon abnormal				
4C	Optical beacon abnormal				
40	Voice control activation SW abnormal				
41	Voice-control Microphone abnormal				
40H	Multi-CD-CH (optical cable) abnormal				
41	Multi-CD-CH (optical cable) not connected				
42	Multi-CD-CH (CarNet) abnormal				
43	Multi-CD-CH (CarNet) not connected				
50	HIT64 communication not connected				
51	HIT64 communication abnormal				
52	HIT64 BRO disconnection				
53	HIT64 BRQ short-circuit				
54	HIT64 disconnection				
55	CarNet communication not connected				
56	CarNet communication abnormal				
57	CarNet periodical communication abnormal				
Information display/front monitors	32H 34H	10	Video circuit abnormal		
		11	Back light abnormal (with no current)		
		12	Back light abnormal (with excessive current)		
		13	Panel open/close mechanical operation abnormal		
		40	Front seat monitor abnormal		
SW, Audio SW, SW shifting, Command SW	21H 23H 24H 25H	41	Heater abnormal		
		10	Panel SW abnormal		
		11	Touch SW failure		
		12	Command SW		
		13	Command SW		
TEL ECU, TEL	57H 68H	10	TEL ECU abnormal		
		40	Communication serial lines abnormal		
		41	Wireless PWR lines abnormal		