

SONY.

Car Stereo
Service Bulletin

CSA-14

Sony Service Company - Technical Services
A Division of Sony Electronics Inc.
Sony Drive, Park Ridge, New Jersey 07656

Model: CDX-45/65/A55/U70/U300/U303/
U400D/U404/U500/U606;
MDX-U1/40/100/400 **No. 333**

Subject: Explanation Of Error Codes Displayed During Test Modes. **Date:** August 17, 1994

Symptom:
(**)

The unit may display various error codes during operation of the unit in the test mode.

Solution: Refer to the following table for explanation of the error codes.

To use the table, find the model being tested in the first section of the table, then match the displayed error code in the center column with the error code "meaning" number in the right column. Then find the error code "meaning" number in the left column of the second section and read the explanation in the right column.

The "X0" shown in the error display in the format "Err-nnX0" can be ignored.

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ERROR DISPLAY UNDER TEST MODE

Model Name	Error Display	Meaning	
XES-C1	Err-00X0	0001#	
	Err-11X0	1101#	
	Err-12X0	1201#	
	Err-13X0	1301#	
	Err-14X0	1401#	
	Err-15X0	1501#	
	Err-20X0	2001#	
	Err-90X0	9001#	
	Err-C0X0	C001#	
	Err-D0X0	D001#	
	Err-F1X0	F101#	
	Err-F2X0	F201#	
	Err-F3X0	F301#	
	Err-F4X0	F401#	
	Err-F5X0	F501#	
	Err-F6X0	F601#	
	Err-F7X0	F701#	
Err-F8X0	F801#		
Err-F9X0	F901#		
Err-FAX0	FA01#		
CDX-U500 U400D U300 U303	Err-00X0	0001#	
	Err-11X0	1101#	
	Err-12X0	1201#	
	Err-13X0	1301#	
	Err-14X0	1401#	
	Err-15X0	1501#	
	Err-20X0	2001#	
	Err-90X0	9001#	
	Err-C0X0	C001#	
	Err-D0X0	D001#	
	Err-F1X0	F102#	
	Err-F2X0	F202#	
	Err-F3X0	F302#	
	Err-F4X0	F402#	
	Err-F5X0	F502#	
	Err-F6X0	F602#	
	Err-F7X0	F702#	
*) CDX-70 -U70 -U70CP	E-01	0001#	
	E-02	C001#	
	E-04	1001#	
	E-77	D001#	
	E-99	F001#	
	Err-00X0	Err-00X0	0001#
		Err-11X0	1101#
		Err-12X0	1201#
		Err-13X0	1301#
		Err-14X0	1401#
Err-15X0		1501#	
Err-20X0		2001#	
Err-90X0		9001#	
Err-C0X0		C001#	
Err-D0X0		D001#	
Err-F1X0		F102#	
Err-F2X0		F202#	
Err-F3X0		F302#	
Err-F4X0		F402#	
Err-F5X0		F502#	
Err-F6X0		F602#	
Err-F7X0		F702#	

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Model Name	Error Display	Meaning
CDX-U404 U606	Err-00X0	0001#
	Err-11X0	1102#
	Err-12X0	1202#
	Err-13X0	1302#
	Err-14X0	1402#
	Err-15X0	1502#
	Err-16X0	1602#
	Err-20X0	2001#
	Err-41X0	4102#
	Err-42X0	4202#
	Err-43X0	4302#
	Err-44X0	4402#
	Err-45X0	4502#
	Err-90X0	9001#
	Err-C0X0	C001#
	Err-D0X0	D001#
	Err-F1X0	F102#
	Err-F2X0	F202#
	Err-F3X0	F302#
	Err-F4X0	F402#
Err-F5X0	F502#	
Err-F6X0	F602#	
Err-F7X0	F702#	
※) CDX-45	E-01	0001#
	E-02	C001#
	E-04	1001#
	E-77	D001#
	E-99	F001#
	Err-00X0	0001#
	Err-11X0	1102#
	Err-12X0	1202#
	Err-13X0	1302#
	Err-14X0	1402#
	Err-15X0	1502#
	Err-16X0	1602#
	Err-20X0	2001#
	Err-41X0	4102#
	Err-42X0	4202#
	Err-43X0	4302#
	Err-44X0	4402#
	Err-45X0	4502#
	Err-90X0	9001#
Err-C0X0	C001#	
Err-D0X0	D001#	
Err-F1X0	F102#	
Err-F2X0	F202#	
Err-F3X0	F302#	
Err-F4X0	F402#	
Err-F5X0	F502#	
Err-F6X0	F602#	
Err-F7X0	F702#	
CDX-65	Err-00X0	0001#
	Err-11X0	1102#
	Err-12X0	1202#
	Err-13X0	1302#
	Err-14X0	1402#
	Err-15X0	1502#
	Err-16X0	1602#
	Err-20X0	2001#
	Err-41X0	4102#
	Err-42X0	4202#
	Err-43X0	4302#
Err-44X0	4402#	

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Model Name	Error Display	Meaning
CDX-65	Err-45X0	4502#
	Err-90X0	9001#
	Err-C0X0	C001#
	Err-D0X0	D001#
	Err-F1X0	F102#
	Err-F2X0	F202#
	Err-F3X0	F302#
	Err-F4X0	F402#
	Err-F5X0	F502#
	Err-F6X0	F602#
	Err-F7X0	F702#
※) CDX-A55	E-01	0001#
	E-02	C001#
	E-04	1001#
	E-77	D001#
	E-99	F001#
MDX-U1 -100	Err-00X0	0003#
	Err-11X0	1103#
	Err-12X0	1203#
	Err-13X0	1303#
	Err-14X0	1403#
	Err-1FX0	1F03#
	Err-90X0	9003#
	Err-D0X0	D001#
	Err-F1X0	F103#
	Err-F2X0	F203#
Err-F3X0	F303#	
MDX-400 -40	Err-00X0	0001#
	Err-11X0	1104#
	Err-12X0	1204#
	Err-13X0	1304#
	Err-14X0	1404#
	Err-15X0	1504#
	Err-16X0	1604#
	Err-17X0	1704#
	Err-20X0	2001#
	Err-30X0	3001#
	Err-80X0	9004#
	Err-B0X0	B001#
	Err-C0X0	C001#
	Err-D0X0	D001#
	Err-F1X0	F104#
	Err-F2X0	F204#
	Err-F3X0	F304#
	Err-F4X0	F404#
	Err-F5X0	F504#
	Err-F6X0	F604#

※) These models adopts UNILINK SYSTEM(except CDX-A55).
 However, error display method is different according to the master unit.
 If display of the master unit or display of the modulator is 7segment type,
 error will be displayed simply as E-○○.
 If display of the master unit or display of the modulator is 14 or 35 segment
 type, error will be displayed as Err-nin2.

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MESSAGE	MEANING
0001#	Magazine Not In
0003#	Mini Disc Cartridge Not In
1001#	Servo Control Error
1101#	" ①FOCUS error ②FOCUS not on
1201#	" ①GFS error ②GFS became LOW for 5sec.
1301#	" ①SLED MAX TIME OVER ②Over 15sec. to send SLED to LIMIT SW on internal circumference
1401#	" ①GFS error ②GFS did not become HIGH after 3sec. of FOCUS ON.
1501#	" ①TOC READ error ②TOC not read after 15sec. of TOC READ process
1102#	" ①FOCUS error ②FOCUS not on
1202#	" ①GFS error ②GFS did not become HIGH after 4sec. of FOCUS ON.
1302#	" ①SLED MAX TIME OVER ②Over 5sec. to send SLED to LIMIT SW on internal circumference
1402#	" ①SUB-Q READ error ②In case SUB-Q not read for 4sec. all the SERVO turned off for 600msec. and retried in vain
1502#	" ①TOC READ error ②TOC not read after 15sec. of TOC READ process
1602#	" ①FOCUS RETRY COUNTER OVER error ②In case FOCUS became LOW while making GFS stable after FOCUS on. FOCUS was tried again but turned to FOCUS error.
1103#	" ①FOCUS error
1203#	" ①LOCK error
1303#	" ①SUB-Q READ error(SUB-Q not read for 2sec. and SERVO turned off once and on. Again SUB-Q not read for 2sec.) ②Or. PTOC or UTDC not readable ③Or. BLANK disc
1403#	" ①SUB-Q READ error(SUB-Q not read for 2sec. and SERVO turned off once and on. Again SUB-Q not read for 2sec.)
1F03#	" ①Due to HYBRID DISC. control unable

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MESSAGE	MEANING
1104#	Servo Control Error ①SLED MAX TIME OVER
1204#	" ①FOCUS error
1304#	" ①LOCK error
1404#	" ①PTOC READ MAX TIME OVER error
1504#	" ①PTOC ID("MINI") incorrect
1604#	" ①PTOC not read due to C2PO error
1704#	" ①DUTC not read due to C2PO error
2001#	No Disc to Load
3001#	BLANK Disc
4102#	Access Start ①FOCUS came off for 83msec.
4202#	" ①When SUB-Q read and compared with previous SUB-Q, difference was over 1sec. 30 frames ahead accessed.
4302#	" ①When SUB-Q read and compared with previous SUB-Q, it did not go forward. 30 frames ahead accessed.
4402#	" ①SUB-Q not read for 4sec. Or CRCF not read for 3sec.
4502#	" ①CFS became LOW for 2sec.
9001#	Magazine Inserted into Changer
9003#	Mini Disc Cartridge Inserted
B001#	Front Panel Open
C001#	No Disc in Magazine
F001#	Error on Mechanical Deck
F101#	" ①Control unable during CBS(come back search)
F201#	" ①Control unable during DGS(disc get search)
F301#	" ①Control unable during LOAD
F401#	" ①Control unable during SAVE
F501#	" ①Control unable during LVO(lever out)
F601#	" ①Control unable during GTH(go to home)
F701#	" ①Control unable during EJT(eject)
F801#	" ①Control unable during PSET(magazine set)

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MESSAGE#	MEANING
F901#	Error on Mechanical DeckⓈControl unable during FEJT(Forced EJECT)
F401#	" ⓈControl unable during GTHR(go to home of reset)
F102#	" ⓈControl unable during DGS(disc get search)
F202#	" ⓈControl unable during LOAD
F302#	" ⓈControl unable during SAVE
F402#	" ⓈControl unable during LDP(lever open)
F502#	" ⓈControl unable during LCL(lever close)
F602#	" ⓈControl unable during ERT(elevator reset)
F702#	" ⓈControl unable during EJT(eject)
F103#	" ⓈLOAD failed and EJECT tried but system re-locked out
F203#	" ⓈEJECT failed and system tried to insert a disc once, but locked out.
F303#	" ⓈIn case EJECT failed, a disc was inserted once for EJECT again. After 3 times of this retry, EJECT was unable.
F104#	" ⓈControl unable during CHX(chucking)
F204#	" ⓈControl unable during RLS(release)
F304#	" ⓈControl unable during DGS(disc get search) <operation to rotate pick-up to chuck aimed disc>
F404#	" ⓈControl unable during GTH(go to home) <operation to move pick-up to its home position>
F504#	" ⓈControl unable during DGS2(2nd disc get search) <operation to move pick-up to 2nd disc position to open Front Panel>
F604#	" ⓈControl unable during SLDRV(sled reverse) <operation to move SLED to internal circumference under Test Mode>
D001#	High Temperature
9004#	Magazine of Mini Disc Inserted