

SONY

**Car Stereo
Service Bulletin**

Sony Service Company - Technical Services
A Division of Sony Corporation of America
Sony Drive, Park Ridge, New Jersey 07656

Model: CDX-A20/A20R

No. 117

Subject: No Operation And Error Message
E-99 On Display

Date: November 22, 1988

Symptom:
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1. No Operation.
2. The LCD of the XR-7300 or RM-X2 connected to the CDX A20 or CDX-A20R displays "E-99". The disc changer does not operate or it may insert the disc into the wrong disc magazine slot.

Cause 1

When there is a CD single in an 8cm single adaptor, the disc detection sensor may detect the space between the disc and the adaptor, or the cylindrical slit in the single adaptor itself, before the disc has left the disc magazine completely. This causes the elevator to go down.

Solution 1

Replace D502 to accelerate the M2 motor speed (SAVE/LOAD).

Ref. No.	Description		Part Number
	Former	New	
D502	RD5.1ES	RD6.2E-B2	8-719-100-38

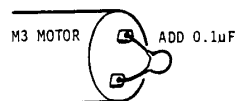
Cause 2

Motor noise affecting the EHS (elevator height sensor) may cause misoperations such as returning the disc to the wrong slot, or taking the disc from the wrong slot.

Solution 2-1

Add a film capacitor to the M3 motor.

Description	Part Number
0.1uF Film Capacitor	1-136-165-00



(Continued)

Reference: Europe CS-01988

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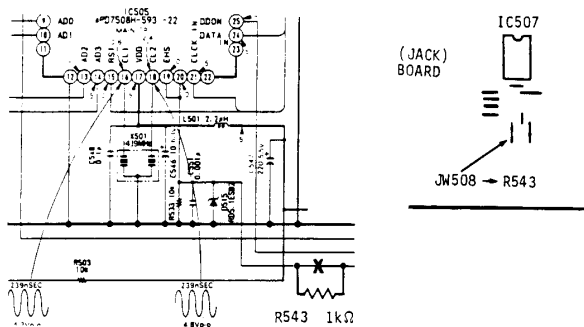
Compact Disc

CSA-14

Solution 2-2

1. Change C551.
2. Replace JW508 with R543.

Description		Part Number
Former	New	
C551	100pF	1-163-077-00
JW508	Jumper	1-249-417-11
	R543	1k Ω



Cause 3

The disc magazine's spring is in the wrong position. The disc will leave the magazine when exposed to vibration.

Solution 3

Check whether the spring is in the correct position. Place the magazine on its back and insert a disc in one of the slots. If the disc goes in, the spring is defective. If the disc stops partway in, the spring's position is correct. Replace the disc magazine if necessary.

