

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-A30/XA-7

No. 165R1

Subject: Distortion When RF Modulator
Is Used

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Symptom:
(53)

When playing a disc with a high level signal, the high frequency component of the sound is distorted.

Cause: The RF modulator is trying to process an overmodulated signal which in turn causes the noise canceller circuit of the radio to misoperate. This is very evident in radios with a narrow IF bandwidth.

Solution: Please perform the following circuit change to the XA-7:

1. Add two diodes and an electrolytic capacitor (refer to the circuit diagram).
2. Change C1 and C2 to 1000pF. In some units, C1 and C2 may already have been changed to 1000pF. Please verify before changing them.
3. Change R1 and R2 to 10k Ohm.
4. Change R3 and R4 to 2.2k. In some units, R3 and R4 may already have been changed to 2.2k Ohm. Please verify before changing them.

Description	Qty	Part Number
Diode ERA82-004	2	8-719-913-44
Electrolytic Capacitor 0.22uF	1	1-124-464-11
Chip Capacitor 1,000pF	2	1-163-141-00
Resistor 10k Ohm / 1/10W	2	1-216-073-00
Resistor 2.2k Ohm / 1/10W	2	1-216-057-00

(Continued)

Reference: T/N ME89004 Revised

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Compact Disc
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