

Date 29.09.95	Ref. No. <b>IP01595</b>	Model <b>CM-DX1000</b>	TD
Subject <b>Background Noise</b>			IRIS 1542

## SYMPTOM

Constant background noise.

## CAUSE

Resonance between the Speaker and the Receiver Case.

## SOLUTION

Modify the Receiver Case (Earpiece Pop-up) by filling six of the eight holes with silicone rubber.

**Carefully follow the procedure outlined below to obtain an acceptable result.**

- Prepare a 2 ml Syringe filled with Black RTV Silicone Rubber. The syringe to use is a medical type with an opening diameter of approx. 1.2 mm.
- Confirm that the Earpiece is clean and free from dust, fingerprints, etc.
- Apply pressure to the syringe until a small amount of silicone comes out, approx. 1.5 to 2 mm of silicone as shown in Figure 1. This amount is sufficient to fill one hole. Hold the syringe vertical to the hole to be filled and make certain that all of the silicone is pushed inside the hole. The amount of silicone used to fill the hole is critical: if too much is used, the silicone will penetrate the speaker net and might touch the speaker (Figure 2). Repeat the process for all of the six holes indicated in Figure 3.
- Wipe away any excess of silicone from the Earpiece immediately after filling all the holes. Use a clean non-fluffing cloth. Wipe in the opposite direction of the two remaining holes and verify that these stay clear from silicone. A smooth finish is obtained when the cloth is slightly moistened (not wet!).
- The silicone hardens within 15 to 20 minutes.

<u>Description</u>	<u>Part number</u>
Set of 5 Syringes (2 ml)	S-2026-001-0
Black RTV Silicone 732 (90 ml)	S-2026-002-0

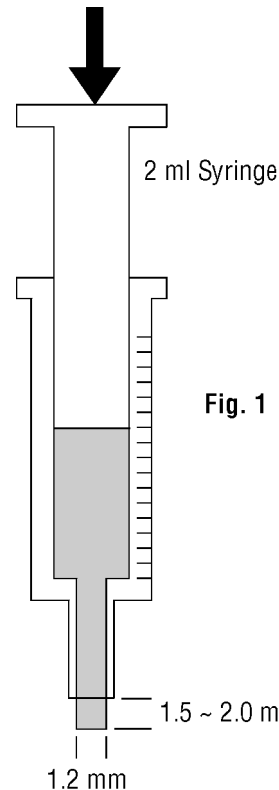


Fig. 1

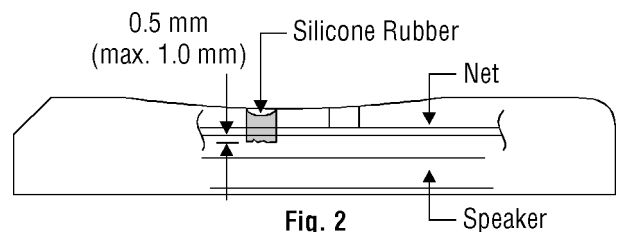


Fig. 2

● = holes to be filled

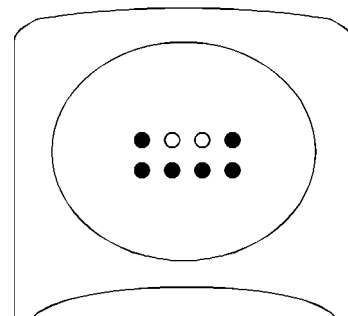


Fig. 3