

Technical Bulletin



January 28, 1966

TO ALL MAINTENANCE ENGINEERS - CHANGES

NO. MODELS

SUBJECT: Speaker Replacement in Early Spinet and Chord Organs

27 M, M-2, M-3
S, S-1

As noted in our previous technical bulletin #8, the early electromagnetic speakers are becoming more difficult to recondition as regards to increasing prices and the availability of proper materials.

With proper circuit revisions, the AO-21055-1 and AO-21055-2 electromagnetic speakers, as used in the early Spinet and Chord organs, can be replaced with our AO-22748-0 permanent magnet speaker, selling at a list price of \$14.00.

In place of the AO-21055-1 EM speaker field coil, a 1000 OHM 20 Watt resistor must be substituted. For the AO-21055-2 EM speaker field coil, a 700 OHM 20 Watt resistor must be substituted.

One other revision must be made in the early Spinet and Chord organ power supply circuits.

In the case of the Model M Spinet, condenser C-57 .15 MFD must be removed. Install a 25 MFD 25WVDC electrolytic condenser between the -18 volt point and chassis ground. This is applicable on all amplifiers of the Model M Spinet Organ only. The Model M-2 and M-3 will not require this change as a 25 MFD condenser is already incorporated in their circuits.

In the case of the Model S and S-1 Chord Organ, condenser C-240 .2 MFD must be replaced with a 25 MFD 25WVDC electrolytic condenser.

NOTICE: In both cases, the POSITIVE side of the 25 MFD condenser must be attached to ground potential.

No other circuit changes will be required in either of the above models. All wiring and replacement must be done in a neat workmanship manner which reflects your service ability and knowledge.

We will begin shipment of the AO-22748-0 PM Speaker soon as our stock of EM speakers is depleted. There will be no allowance for returned AO-21055-1 or AO-21055-2 speakers against this replacement.

All old EM speakers AO-21055-1 and AO-21055-2 from prior exchanges, must be in our hands no later than 30 days from the date of this bulletin or from the date of an invoice to receive proper credit.

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NOTE: This bulletin is a confidential letter to the Hammond dealer organization and is not for general distribution.
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