

# Technical Bulletin



HAMMOND ORGAN COMPANY

DIVISION OF HAMMOND CORPORATION

4200 DIVERSEY | CHICAGO, ILLINOIS 60639

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TO ALL MAINTENANCE ENGINEERS - CHANGES

NO. MODELS

SUBJECT: SPEAKER REPLACEMENT FOR EARLY AMPLIFIERS  
TYPE F, G, AND H

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Increasing costs and difficulty in securing proper materials for repairs of the very early electro-magnetic speakers has prompted us to investigate a suitable substitution at a reasonable price.

Tests have indicated that replacement of these early speakers, our stock numbers AO-21055-3 and AO-21055-4 used with type F, G, and H Amplifiers, can be accomplished with tone improvement by using our AO-22748-0 Speaker, selling at \$14.00. This speaker is also used in the PR-20 tone cabinet.

The attached instruction details the change necessary. We will start shipment of AO-22748-0 very shortly. Please note that there will be no allowance for returned AO-21055-3 or AO-21055-4 frames against this replacement.

All frames on hand from prior exchanges must be in our hands no later than 30 days from this letter or 30 days from date of invoice to receive credit.

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

INSTRUCTIONS FOR INSTALLING PM SPEAKERS, IN PLACE OF ELECTRO MAGNETIC TYPE USED IN EARLY HAMMOND TONE CABINETS.

IF SPEAKER CABLES ARE IN GOOD CONDITION, PROCEED AS OUTLINED BELOW.

1. Remove speaker plugs from amplifier and remove both speakers from tone cabinet.
2. Clip all 4 wires from both speakers as close to speaker as possible.
3. Discard both speakers.
4. Remove wires from pins 1 and 6 of the 6 pole plug. Remove these wires from cable.
5. Remove wires from pins 1 and 5 of the 5 pole plug. Remove these wires from cable.
6. Install a 250 ohm 20 watt resistor across pins 1 and 5 of the 5 pole plug. Use sleeving over lead connected to pin 5.
7. Solder 2 remaining wires in each speaker cable to the new PM speakers AO-22748-0. Solder wire with solder lug to the left hand speaker terminal as viewed with the speaker terminal strip facing up. Solder wire from speaker plug to right hand terminal.
8. Mount new speakers in cabinet and insert plugs into amplifier. Attach leads with solder lug to upper binding post.
9. Dress 250 ohm resistor away from any speaker leads or other objects to assure adequate heat dissipation.

