

Television and Radio Service Bulletin

GENERAL MERCHANDISE OFFICE

Insert NOW in
Radio Service Manual
as: Data Sheet No.

KITCHENER

September 15, 1958

RCS 372

STEREO CONVERSION

The RCS 372 is completely equipped for stereo operation with the exception of a second channel amplifier. The Electrohome model PA 330 amplifier is suitable for this purpose.

A modified base plate, part number 35-319, is required to install the amplifier. These are available from our Service Department at a cost of 90¢ each complete with instructions covering the installation of the second channel amplifier. The amplifier may be ordered from our Distributor Sales Department.

Yours very truly,

Dominion ELECTROHOME Industries Limited

DK/js

D. Kehn
Service Manager

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RCS 372 STEREO CONVERSION

The above model may be converted to stereo using an Electrohome model PA 330 second channel amplifier. Installation instructions and modifications required are as follows:

Cabinet

- (a) Space is provided for the second channel amplifier in the compartment on the left side of the present chassis.
- (b) Drill five holes 5/8" diameter in the top of the amplifier compartment to accommodate the amplifier control shafts. Position of the holes to be according to the blueprint attached. Drill a similar hole for the pilot light.
- (c) Drill two 5/8" diameter holes in the bottom of the compartment space according to the blueprint to allow access to the hum balance controls. Drill an additional hole for phono input leads to PA 330.

PA 330

- (a) Remove cover, knobs, control panel, base plate and heat reflector. The cover and heat reflector are not required.
- (b) Install new base plate provided. (The present base plate may be drilled and tapped to match the mounting holes in the cabinet).
- (c) Connect the two phono leads from the changer to phono input channel A and phono input channel B on the PA 330. Route leads through speaker compartment and hole provided in "c" above. Dress away from power transformer on PA 330.
- (d) Connect the phono output channel B on the PA 330 to phono input on the RCS 372.
- (e) In order to use both sets of speakers with the tuner, the RCS 372 chassis must be modified as follows:

The RCS 372 may be changed to utilize the auxiliary input as a tuner output. Remove the wire connected to the auxiliary input jack. Connect a shielded wire from this jack to the tuner output lead on the rear section of the selector switch.
- (f) Attach leads to ground and 16 ohm output tap of the PA 330.
- (g) Make sure the Xtal cartridge switch on the PA 330 is in the low position.
- (h) Mount amplifier in cabinet.
- (i) Mount control panel on cabinet with wood screws.
- (j) Install knobs.

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Slave Amplifier

- (a) Remove screws holding speaker terminal strip and push strip through opening.
- (b) Remove high frequency control knobs on back of cabinet.
- (c) Remove cabinet back.
- (d) Remove the 8 ohm yellow wire from the amplifier to the terminal strip.
- (e) The black wire from terminal two on the adjacent cross-over network is connected to terminal five on the output terminal strip. Remove this wire from terminal five and connect to terminal three.
- (f) Remove power amplifier and take out the two .022 mfd. A/C line by pass condensers.
- (g) Re-install power amplifier.
- (h) Plug A/C line from PA 330 into available outlet in RCS 372 chassis or slave amplifier.
- (i) Remove jumper between terminals two, three and four on output terminal strip.
- (j) Add jumper between terminals one and two.
- (k) Connect ground output lead from PA 330 to terminal three and the sixteen ohm lead to terminal four on the output terminal strip. Route through hole over slave amplifier.

Changer

- (a) Install stereo head in changer.
- (b) Move switch on changer to stereo position.

Set up procedure RCS 372

- (a) Put changer in manual with motor running and arm on rest.
- (b) RCS 372 control settings:

Compensation	- RIAA
Selector	- Phono
Level	- Maximum
Presence	- Off
Treble	- Flat (zero)
Bass	- Maximum (right)
Contour	- Maximum
- (c) PA 330 selector switch in stereo position.
- (d) Adjust R 50 hum balance on RCS 372 for minimum hum. Control closest to front of chassis.

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Set up Procedure PA 330

- (a) Compensator - RIAA magnetic
- Selector - Stereo
- Level - Maximum
- Bass - Maximum
- Presence - Off
- Treble - Flat (zero)
- Contour - Maximum

- (b) Adjust R 6 hum balance for minimum hum. (Control adjacent to input jacks).

General

1. When playing monaural records it is preferable to switch the PA 330 to monaural and leave the switch on the changer in the stereo position.
2. When operating the radio, both chassis must be in tuner position.
3. Maximum hum should not exceed 10 milliwatts with bass, contour and level controls in maximum position. If hum level is high, proceed as follows:
 - (a) All phono and A/C leads are to be secured with insulated staples. Phono leads should be dressed as far as possible from power transformers.
 - (b) Connect an audio wattmeter across each speaker system. Reverse changer A/C plug and adjust hum balance on both amplifiers for minimum hum. If hum exceeds previous condition, return plug to its original position and adjust each hum balance for minimum. Follow same procedure for remaining A/C plugs until hum is minimum.
4. Replace the back and secure terminal strip. Replace the high frequency control knobs.