

as far as possible from the interference source.

Sometimes a new source of interference will give trouble after an installation has been made and operating satisfactorily for some time. In such cases, the cause of such interference can be deter-

mined and steps taken to correct the difficulty. The services of a trained television technician are required for this job. You can assist him by identifying the type of interference.

Several common types of "interference" are shown in figures 8 to 12,

SERVICE CONTRACT

We highly recommend that every Admiral owner purchase a Service Contract from the Admiral dealer. This Contract provides service calls and parts replacement in your home under the terms of the contract.

WARRANTY NOTICE

We warrant each new Admiral television set to be free from defects in factory workmanship or material under normal use for 90 days, from date of delivery by the dealer to the original purchaser. Our obligation under this warranty is limited to supplying a suitable replacement part in exchange for any defective part of the set, if the part is returned through our distributor, transportation prepaid.

The picture tube will be repaired or exchanged in the same manner, if it becomes inoperative due to defects in factory workmanship or material, up to one year from date of delivery to the original purchaser.

If the set does not operate properly, immediately contact the dealer from whom it was purchased, unless you have purchased a service contract giving other instructions.

Our obligation is limited to supplying parts, and we do not obligate ourselves to replace the complete set or to provide service in the home or shop. Home service is available as described above under "Service Contract." This warranty is void on any set which has been tampered with or which has been subject to misuse, negligence or accident, or which has its serial number altered or removed.

This warranty applies only if the Warranty Registration Post Card (included in the envelope packed with the set) is mailed to us within 10 days after the set is delivered.


This warranty is in lieu of all other warranties expressed or implied, and no representative or person is authorized to assume for us any other liability in connection with the sale of Admiral Television products.

Admiral Corporation

CHICAGO 47, ILLINOIS

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Form No. 41C20-142



OPERATING INSTRUCTIONS

Welcome...

TO THE EVERGROWING FAMILY
OF **Admiral** TV OWNERS

Everyone here at Admiral—the engineers, designers, and craftsmen on the assembly line—are proud of the Television Sets they have created. We know that you, too, will be proud of your Admiral Color Television Receiver.

Your Admiral Color Television Set will bring you a studio-clear picture in full natural color during color broadcasts and an excellent black and white picture during monochrome broadcasts.

In order to enjoy countless hours of unequalled pleasure, it is suggested that this instruction booklet be carefully read and kept handy until you are thoroughly familiar with the operation of the set.

WARRANTY POST CARD

An Admiral Warranty Post Card is contained in the envelope included with your set. To be certain your television receiver is properly registered with the factory, be sure the Warranty Post Card is properly filled out and mailed. This registers your set for the factory warranty. See "Warranty Notice" on last page.

If a Warranty Post Card is not included, and the dealer from whom you purchased the set cannot supply one, your set can be registered with the factory by mailing, to the address given below, an ordinary postal card with the following information:

1. Model Number — from large rubber stamp impression on back of set.
2. Serial Number—from label on back of set.
3. Date the set was delivered.
4. Your Name, Street Address, City and State.
5. Name and Address of Dealer from whom set was purchased.

Address the postal card to:

Admiral Corporation

201 E. North Water Street
Chicago 11, Illinois

VOLTAGE AND CURRENT

Do not connect a ground wire to this receiver or attempt to operate

it on Direct Current (DC). All Admiral sets sold within the United States are designed to operate from 117 volts, 60 cycle AC power.

If your set is to be operated from some other AC power supply (for example: 220 volts or 50 cycle) check with your local dealer to make certain the set can be operated from the power available in your locality.

INSTALLATION

Years of electronic engineering experience and research have gone into the development of your Admiral Color Television receiver, and for matchless performance, it should be installed by a qualified technician. Your Admiral dealer has the factory data and the equipment to install and adjust your set for best operation under any and all conditions.

LOCATING THE RECEIVER

Your new Admiral Color Television receiver should be located so that a minimum of room light falls on the picture, and where it can most easily be seen by everyone in the room. Some light in the room (but not directly on the picture) is very desirable. If the room is too brightly lit, the color pictures will appear to be faded. A completely dark room tends to create eye-strain.

The receiver should not be placed

close to sources of heat (such as radiators), nor should the back of the set be placed directly against a wall or other obstruction.

CABINET CARE

Because your Admiral Color Television receiver will be a focal point in the home for many years, preserve the beauty and lustre of the cabinet's finish with the occasional application of a high grade wax polish.

ANTENNAS

For proper operation of a color television receiver, a good signal is required. Hence, an outdoor

antenna is recommended.

Be sure to ask your dealer about Admiral's complete line of antenna. Your Admiral dealer can supply you with the correct Admiral television antenna for your area, complete with installation instructions, or he can arrange to have it properly installed to give you the best television reception.

Admiral also has complete antenna kits for 20', 30', 45' and 50' installations in fringe areas. These kits include the antenna, mast, all necessary mounting accessories and complete instructions.

OPERATING THE TELEVISION RECEIVER

The main operating controls are the large knobs located at the top corners of the picture window and the two knobs closest to the picture window in the lower row of knobs located on the right side of the cabinet.

The controls on the front of the cabinet consist of a smaller front knob (away from the glass) and a large rear knob (closer to the glass), while the controls on the side of the cabinet consist of individual knobs. All knobs operate independently of each other.

The main operating controls are

located and function as described below.

The color receiver should be adjusted for a good black and white picture before any attempt is made to tune in color. Remove all color from the picture by turning the Color Intensity control fully to the left. After a satisfactory black and white picture has been obtained, color is added by turning the Color Intensity control to the right until the point of desired color rendition is reached. A step by step procedure describing these operations is found on the next page.

Main OPERATING CONTROLS

OFF-ON-VOLUME-Left front knob on front of cabinet. Turns set on, adjusts sound volume.

CHANNEL SELECTOR-Right front knob on front of cabinet marked with the numbers 2 to 13. Selects desired channel.

FINE TUNING-Right rear knob on front of cabinet. Tunes in best picture.

BRIGHTNESS-Left rear knob on front of cabinet. Adjusts for desired picture brightness.

COLOR INTENSITY-Lower front knob on side of cabinet. Adjusts for desired degree of color.

COLOR FIDELITY-Second knob in lower row on side of cabinet. Adjusts for correct coloring in the picture.

FIRST TUNE YOUR SET FOR BLACK AND WHITE

Before tuning your set, turn the Color Intensity control fully to the left, then ... FOLLOW STEPS 1 THROUGH 4 IN ORDER

1 TURN SET ON

OFF-ON VOLUME: Rotate this control to the right. Adjust for desired volume after picture has been tuned in.



4 ADJUST BRIGHTNESS

BRIGHTNESS: Adjust this control for desired picture brightness. When tuning for a color broadcast, the picture should not be as bright as for black and white. If the brightness control is turned too far to the right, the color picture will be distorted and the colors will be unsatisfactory.

2 SELECT CHANNEL

CHANNEL SELECTOR: Rotate until desired channel number is at the top of the knob.



3 TUNE IN PICTURE

FINE TUNING: Rotate one full turn to the right or until a fine gauze like pattern (figure 3) appears in the picture. Then turn back (to the left) JUST FAR ENOUGH to make this interference pattern disappear. Turning it too far to the left may cause color broadcasts to be received in black and white. See "Operating Hints".

NOW... ADD COLOR!

To receive color broadcasts, be sure the channel being used is telecasting a color program. Then adjust the Color Intensity and Color Fidelity controls after a satisfactory black and white picture has been obtained.



COLOR INTENSITY

Adjusts for most pleasing degree of color. Turning the control to the right increases the strength of the colors (from pale pastels and whites through vivid or intense colors). After this control has been adjusted to suit the user's individual taste, it should seldom require readjustment.

Note: If this control is turned too far to the right, the colors will become unnatural.

COLOR FIDELITY

This control is adjusted for correct color in the picture. When properly adjusted, color of familiar objects such as flesh will appear natural. In general, this is should be set so that the white mark on knob is approximately centered in the opening.

In addition to these main operating controls, there are Auxiliary controls which also affect the operation of the set. For the location and operation of these controls, see page 6.

Operating HINTS

Always adjust the Contrast control for the desired contrast between the light and dark areas of the picture. However, do not advance this control beyond the point where clearest picture detail is obtained.

The Fine Tuning control has a limited range of effective rotation even though the control can be rotated continuously in either direction. About one complete turn in either direction will allow for all the adjustment necessary or possible.

With the Channel Selector set for the desired channel, turn the Fine Tuning control one full turn to the right or until a fine gauze like pattern (see figure 3) appears

in the picture. Then turn the control back (to the left) JUST FAR ENOUGH to make this interference pattern disappear. This adjustment is rather precise and should be made carefully. At the correct setting, clearest pictures will be obtained and the receiver will change, without further adjustment, from black and white to color reception or vice versa when the broadcast is changed from one to the other.

If the Fine Tuning control is turned too far to the left, black and white pictures may appear to be satisfactory; but if the station changes to a color program, the picture received may be black and white or hazy.

NEVER use the Fine Tuning control to adjust the sound volume level.

IMPORTANT: Figures 2 and 3 show the result of incorrect adjustment of the Brightness and Fine Tuning controls. Correction in each case is obtained by following instructions given with each figure. If you cannot tune in a satisfactory picture, see "Operating Hints" above and "Auxiliary Controls" on page 6.



Figure 1. Ideal Picture.



Figure 2. Too little brightness; turn BRIGHTNESS to the right.



Figure 3. Gauze like pattern; adjust FINE TUNING.

TEST PATTERN

A black and white test pattern of the type shown in figure 1 is usually broadcast at certain times of the day. When the set is properly adjusted, the black and white test pattern will be clearly defined, steady, and will have various shades including white, light gray, medium gray, dark gray and black.

Auxiliary CONTROLS

Adjustment of the auxiliary controls should seldom be required if properly adjusted when the set is installed. If you cannot tune in a picture that is steady, bright and clear using the main operating controls, one of the auxiliary controls probably requires adjustment. Compare the picture on your set with figures 4, 5, 6 or 7. The appropriate figure will indicate which control to adjust.

The auxiliary controls and their functions are as follows:

CONTRAST

This control is adjusted for the desired contrast between light and dark areas of the picture.

TONE

Turning this control to the left increases the bass response; turning it to the right increases the high note response. It should be set for the most pleasing sound.

HORIZONTAL

When properly adjusted, stops the picture from "dipping sideways" or "tearing". If it is necessary to adjust this control, be sure to set it at the point where the picture does not "tear" when switching from one channel to another.



FOCUS (At rear of set.)

The focus control is used to adjust the picture for clear, sharp detail. Before adjusting, be sure that the fine tuning control has been carefully set for best picture.

VERTICAL

Stops the picture from moving up or down. When adjusting it, set the control midway between the points where the picture just starts moving down and just starts moving up.

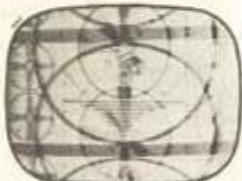


Figure 4. Picture moves up or down; adjust VERTICAL.



Figure 5. Picture "dips sideways" or "tears"; adjust HORIZONTAL.



Figure 6. Too little contrast; turn CONTRAST to right.



Figure 7. Improper focus; adjust FOCUS.

CAUTION

Should the screen ever become blank except for a very bright horizontal line, turn the receiver off immediately. The bright horizontal line, if allowed to play across the screen, can damage the phosphor coating on the picture tube. Contact your Admiral authorized serviceman at your earliest convenience.

TURNING RECEIVER OFF

Merely turn the Off-On-Volume control to the left until the switch "clicks". To simplify tuning when set is used again, do not disturb other controls.

SELECTING DIFFERENT STATION

When correctly adjusted for reception of one station, the receiver may be tuned to another station by merely setting the Chan-

nel Selector to the desired number and if necessary, carefully "touching-up" the Fine Tuning control for best picture.

If the picture "alips sideways" or "tears" (as shown in figure 6) when switching to a different channel, adjust the Horizontal control to the position where there is no tearing when switching from one channel to another.

INTERFERENCE



Figure 8. "Snow" because of weak signals.



Figure 9. RF interference from nearby radio transmitters.



Figure 10. Ignition interference from automobiles, etc.



Figure 11. "Ghost" because of reflected signals.



Figure 12. Diathermy interference from hospitals, etc.

Your Admiral Television set uses the most improved methods to eliminate the effects of interference on television reception. Interference caused by the operation of certain types of electrical equipment can usually, though not always, be eliminated or minimized. To avoid interference, an outdoor antenna should be used and located