Hudson

Radio

Owners Manual

Radio Receiver Kits
Part Nos. 236486 & 238060

Installation and Operating Instructions

Hudson Motor Car Co.
Detroit, Mich., U.S.A.
**OPERATING INSTRUCTIONS**

![Diagram](image)

*X INDICATES PARTS FURNISHED BY HUDSON MOTOR CAR CO.*

**Fig. 1 - Operating Controls**

**TO TURN RADIO RECEIVER ON**

Press any one of the five automatic push buttons. Allow approximately 20 seconds for the receiver to reach operating temperature.

To turn radio receiver off, press the "Off" push button.

**MANUAL TUNING**

To operate the manual tuning control simply turn the tuning knob. When tuning in a station, be sure to tune to the exact frequency for the best tone quality.

**VOLUME CONTROL**

Turn the volume control knob for the desired volume.

**TONE CONTROL**

The tone control is located directly behind the volume control knob (Fig. 1). Rotation of this knob to the right or left will change the tone of the receiver. The treble position is useful in overcoming wind, noise, etc., when driving, while the bass position brings out the full mellow tones of musical programs. With the tone control knob set midway, the full tonal range is obtained. Turning to the right will emphasize the high notes, while turning to left will emphasize the bass notes.
**SETTING THE PUSH BUTTON TUNER**

The five push-buttons may be adjusted to any of the desired stations. In order to simplify the identification of these stations, it is advisable to set the push-buttons in sequence according to their frequencies, beginning with the station broadcasting on the lowest frequency and progressing to the station broadcasting on the highest frequency. The push-buttons should be set up during the daytime because at night, distant stations will be heard with the same volume as local stations, making it difficult to select local stations.

To set the push-buttons, proceed as follows:

1. Collapse the antenna.
2. Allow the radio receiver to operate for at least fifteen minutes before adjusting the push-buttons. This will allow each part in the radio receiver to reach normal operating temperature.
3. Pull the button to be set to the left and out.
4. Tune in the station desired with the manual tuning knob.
5. Push the button completely in. The button is now set for the desired station.
6. Follow the above procedure for each of the other four push-buttons.

**WARRANTY AND SERVICE**

Your Hudson Receiver is covered by warranty against defects in material and workmanship for a period of 90 days after retail delivery.

This warranty covers a receiver installed at the factory, also a receiver installed in the field as an accessory.

**IMPORTANT**

A warranty registration tag is furnished with your receiver. This tag must be filled in and attached to the unit at the time of retail delivery in order that auto radio service stations may have the proper information when you require service during the warranty.

**HOW TO OBTAIN SERVICE**

Return to your Hudson dealer, or if you are traveling go to the nearest Hudson dealer. Do not contact any other source for warranty service.

In case you are traveling, the dealer, to whom you apply for service, will render a small charge for the removal and reinstallation of the radio equipment.
"This schematic applies to Sylvania Model SHF58. Model No. stamped on case near Serial No."
INSTALLATION INSTRUCTIONS
MODELS 1C AND 2C

1. Install the antenna. (Complete instructions are furnished with each kit.)

2. Remove ornament from center of trim panel covering radio openings by removing the two retaining nuts.

3. Remove speaker grille by removing six screws. On model 1C, remove and discard the cardboard cover over the left hand speaker opening for left hand drive cars or over the right hand speaker opening for right hand drive cars. On model 2C, cloth is substituted for the cardboard and this cloth should be cut out on the left side for the LHD and on the right side for RHD cars. (Fig. 2)

4. Install speaker from bottom of instrument panel by using four metal tapping screws Hudson 171579. (Fig. 2)

5. Remove two radio mounting bolts from heater duct. Install right bracket Hudson 235141 (RHD cars use 235142) to instrument panel using bolt Hudson 171243 and washer Hudson 170330. Tighten in position on instrument panel.

6. Push the receiver up behind the instrument panel and slide the knob shafts through the openings in the instrument panel. Bring the receiver as far forward as it will go. (Fig. 2)

7. Assemble two Hudson 171694 lockwashers and two Hudson 228835 special hex. nuts on control shaft bushings, with counter bore of nut facing out. Tighten these nuts. (Fig. 2)

8. Fasten bracket already in place, Hudson 235141, to heater duct with bolt removed, Hudson 171243, and to radio using lockwasher 170330 and nut Hudson 70874. (Fig. 2)

9. Install bracket (left) Hudson 235143 (RHD cars use 235144) to radio using lockwasher Hudson 170330 and nut Hudson 70874. Attach bracket to heater duct using bolt removed Hudson 171243. (Fig. 2)

10. Connect speaker leads to terminals on speaker.

11. Connect "A" lead of the set to the ACC. (ac-
12. Plug in antenna cable into antenna socket on set. (Fig. 1 and 2)
13. Press trim knob on tuning shaft as far as it will go. Place Hudson 171425 wave washer over tuning shaft. Put on tuning knob and press it as far as it will go. Tighten set screw. (Fig. 1 and 2)

14. Place tone control knob onto shaft, put on volume control knob, tighten set screw. (Be sure there is no binding on either control.) (Fig. 1)

15. IMPORTANT: Turn the receiver on and allow it to operate for approximately fifteen minutes in order for it to reach normal operating temperature. Tune in a weak station near 1000 Kc. Adjust the antenna trimmer located on the right side of the receiver for maximum volume. (Fig. 2)

INTERFERENCE ELIMINATION

IMPORTANT: Use the utmost care in the following operation to insure freedom from motor noise. Be sure that good ground contacts are made between the interference condensers and the car body. If necessary, clean away paint or dirt with emery paper. Tighten all nuts and bolts securely.

1. Assemble condenser Hudson 208592 to bottom lip of instrument panel using existing panel screw at right of ignition switch. Connect condenser lead to accessory "ACC" terminal of ignition switch and tighten. (Fig. 3)
2. Remove hand brake cable clamp screw and install voltage regulator condenser No. 208592 with mounting flange between screw head and hand brake cable clamp No. 171425, to insure satisfactory grounding. Connect the condenser lead to the voltage regulator "B" terminal. (Fig. 4)
3. Remove bolt on the right side of the ignition coil. Mount condenser No. 208592 under this bolt (on back of coil bracket). Connect lead to coil terminal marked (-). (Fig. 5)

4. Particular attention should be paid to antenna installation. Be sure to check all connections to lead-in cable and lead-in rod. Loose connections may contribute to noise pick-up.

Hudson Radio Receiver Kits Part Nos.
236486 - Models 1C & 2C
238060 - Models 4C, 5C & 7C
(Sylvania Receiver Model No. SH756-1)

Antenna Kits
Part No. 236550 - Models 1C & 2C
Part No. 213898 - Models 4C, 5C, & 7C

Note: Above Kits available only at Hudson Dealers.
1. Install the antenna. (Complete instructions are furnished with each kit.)

2. Remove ornament from center of trim panel covering radio openings by removing the two retaining nuts.

3. Remove speaker grille and cut away fabric from opening in instrument panel on models 5C and 7C. On model 4C remove cardboard. (Fig. 6)

4. Remove the two bolts Hudson 171243 from the cross brace to air duct. Install right bracket Hudson 238066 for 4C and 5C models or bracket Hudson 238068 on 7C models using bolts just removed to fasten to air duct. Do not tighten at this time. (Fig. 6)

5. Place spacers Hudson 238059 on radio control shafts. Push the receiver up behind the instrument panel and slide the knob shafts through the openings in the instrument panel. Bring the receiver as far forward as it will go. (Fig. 6)

6. Assemble two Hudson 171694 lockwashers and two Hudson 228835 special hex. nuts on control shaft bushings, with counter bore facing out. Tighten these nuts. (Fig. 5)

7. Fasten right bracket already in place to radio stud using lockwasher Hudson 170330 and nut Hudson 70874. Tighten bracket to radio and heater duct. (Fig. 6)

8. Install left bracket Hudson 238067 on 4C and 5C models or bracket Hudson 238069 on 7C models. (Fig. 6)

9. Plug speaker leads into pin jacks mounted on speaker. Lower speaker into position and line up with holes in the instrument panel. Place four cork spacers over the mounting holes in the speaker. Replace speaker grille over cork spacers, making sure the mounting holes line up, then securely fasten with four screws. (Fig. 6)

10. Connect the "A" lead of the set to the ACC. (accessory) terminal on the ignition switch. Ignition interference condenser Hudson 208592 also connects to this terminal. (Fig. 3)

11. Plug in antenna cable. (Fig. 1 and 6)

12. Press trim knob on tuning shaft as far as it will go. Place Hudson 171893 wave washer over tuning shaft. Put on tuning knob and press it as far as it will go. Tighten set screw. (Fig. 1 and 5)

13. Place tone control knob onto shaft, put on volume control knob, tighten set screw. (Be sure there is no binding on either control.) (Fig. 1 and 6)

14. IMPORTANT: Turn the receiver on and allow it to operate for approximately fifteen minutes in order for it to reach normal operating temperature. Tune in a weak station near 1000 Kc. Adjust the antenna trimmer located on the right side of the receiver for maximum volume. (Fig. 1 and 6)
**PACKING LIST**

**HUDSON MODEL 236486 RADIO KIT SYLVANIA MODEL SH758 RADIO (01-76625-1)**

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