

CUSTOM DELUXE TRUCK RADIO MANUAL TUNING - 987187

This radio is a 6 tube (including rectifier) super-heterodyne truck receiver designed expressly for 1958 Chevrolet truck installation. The radio consists of a radio receiver unit with an external



Figure 44

roof type speaker. This type of design is advantageous for both installation and service as all component parts of the receiver are readily accessible for quick efficient replacement when service is required. Using an external roof type speaker affords the advantage of placing the sound in the best listenable area in the cab.

ELECTRICAL DESCRIPTION

The circuit used in this receiver is the super-heterodyne type that uses no regeneration. The



Figure 45

tuning circuit are of the permeability type and are tuned by varying the iron cores in and out of the antenna, radio frequency and oscillator coils like pistons. The intermediate frequency stages are tuned by means of two iron cores in each transformer and are adjusted with an insulated screw driver from the bottom and top of each transformer and are adjusted with an insulated screw driver from the bottom and top of each transformer; both the first (input) and second (output) intermediate frequency transformers are tuned by this method, see Figure 45.

The antenna circuit is capacity coupled to the antenna by means of an adjustable antenna trimmer condenser to take care of normal variations in antenna and antenna coil capacity. The antenna condenser is adjustable by means of a small screw driver and is located at the rear of the radio case.

The automatic volume control is capable of maintaining a constant level of volume at all times. Very high frequency filter chokes are used in the radio frequency grid circuit to discriminate against ignition interference in the receiver, thus eliminating the use of spark plug and distributor suppressors.

The vibrator is the full wave non-synchronous type using an OZ4 rectifier tube and will operate on either a negative or positive battery ground.

TUBE COMPLEMENT AND FUNCTION

12BA6	Radio frequency amplifier
12BE6	Oscillator - modulator
12BA6	Intermediate frequency amplifier
12AV6	Detector - Automatic volume control and first audio
12V6GT	Audio output
OZ4	Cold cathode rectifier

GENERAL INFORMATION

Tuning range 540 - 1615 Kilocycles
Intermediate frequency 262 Kilocycles
Maximum power output 4.5 watts
Undistorted power output 2.5 watts
Current drain 2.5 amperes at 12 volts
Speaker-Alnico V permanent magnet roof type
5 x 7 inch
Voice coil impedance 4 ohms at 400 cycles
Fuse protection 7.5 amperes 25 volt

PROCEDURE FOR CHECKING THE VOLTAGES OF 987187 RADIO

Hook up radio on the service bench to a "12" volt power supply unit. It is important that you

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Lingjun Ying



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