CUSTOM MANUAL RADIOS FOR CHEVROLET-CHEVELLE-CHEVY II-CORVAIR-CHEVROLET TRUCKS-CORVAIR SERIES 95 TRUCKS MODELS 985875 - 985773 - 985957 -985831 - 985672 - 985815

These radios are the superheterodyne type automobile radios designed for installation in 1964 passenger cars and trucks. The truck radios are designed especially for trucks and will stand the rugged hard use that trucks are subjected to.

The radios contain 6 transistors and 3 diodes, one being a "HI-POWER" audio output transistor.

Using an external speaker affords the advantage of having a large speaker in a limited space. The speaker is coupled to the instrument panel by a special gasket, thereby using the instrument panel for unusually good tone reproduction.

TRANSISTOR COMPLEMENT & FUNCTION

- DS-51 Radio frequency amplifier transistor
- DS-52 Converter transistor
- DS-53 Intermediate frequency transistor
- DS-46 Audio frequency driver transistor
- DS-503 Audio output power transistor



CORVAIR SERIES 95 TRUCK

GENERAL INFORMATION

Tuning Range 540-1615 kilocycles Intermediate frequency - 262 kilocycles Maximum power output - 8 watts Undistorted power output - 6 watts Current Drain 1.29 amps at 12 volts Speaker - Alnico V permanent magnet type Voice coil impedance 10 ohms at 400 cycles Fuse protection 2.5 amperes All circuits use printed circuit boards

> SERVICE PROCEDURE FOR ALL MANUAL TUNED RADIO MODELS 985875 - 985773 - 985957 -985831 - 985672 - 985815

IMPORTANT PRELIMINARY TEST

Turn radio on with ear next to speaker. As this is done a "thump" should be heard in the speaker. If O.K. go to Step 1. If no "thump" was heard, check:

- a. Speaker connections and speaker for proper hook up.
- b. Power connections, fuse and fuse resistor for open and proper hook-up.
- c. Check DS503 transistor.

Check voltage of radio for correct voltages as shown in figure. If voltages are correct and radio does not play proceed as follows:

Turn on signal generator and set in audio position to obtain a 400 cycle audio signal. Ground one lead of signal generator to radio chassis. A .1 mfd, capacitor should be placed in series with the remaining lead to block D.C. current. The lead with the capacitor will be the probe for signal tracing. Keep radio volume control turned to maximum for all tests.

Note of Explanation: The signal or noise generator is now put into use, beginning with Step 1. The letters in parenthesis are found printed on the circuit board. For example, (AF-1) stands for "Audio Frequency" amplifier and refers to one of the DS46 transistors. (C) stands for collector.

The test points - Step 1 through Step 7 - are shown in Figure 28.

STEP 1. Touch generator probe to DS46 - AF-1 "B", a loud signal should be heard. If weak or no signal check:

a. Fuse resistor.

- b. DS503.
- c. DS46 transistors "AF-1 and AF-2". Check by bridging a good transistor across each one - one at a time.

STEP 2. Touch generator probe to green lead from volume control-island No. 26 on circuit board - a loud signal should be heard with volume control set at maximum volume. If no signal check:

a. 10 mfd. audio coupling capacitor, C53, by bridging a good one across it.

Change signal generator from audio position to generate an intermediate frequency signal. Set signal generator to 262 kilocycles.

STEP 3. Apply generator probe to base (B) of DS53 (IF) transistor. A loud signal should be heard without turning the generator controls to a very high level. This usually takes less than half the maximum settings on the signal generator, as will be learned by practicing with your generator on a good radio. If O.K. go to Step 4. If no signal or a very weak signal is heard, check:

- a. DS53 transistor without removing it from the circuit. See "Procedure for Checking Transistors".
- b. DS27 audio detector diode.
- c. Voltage between collector (C) and ground in the DS53 (IF) stage should be "0" volts. If voltage is high, near 10 or 11 volts, trouble is due to: Open connection in the (IF) collector circuit (C), or open IF transformer, item T2.
- d. Check DS53 (IF) conduction by measuring voltage across the 470 ohm resistor, item R13. Measure this by putting the positive lead of a D.C. voltmeter on conductor 2 on the circuit board, and the negative lead on the emitter (E) of the DS53 (IF) transistor. The voltage should read about 1.0 volt.

If the voltage is low or near "0", check for: Open connection on the circuit board in the (IF) base circuit (B) or emitter circuit (E). Check IF transformer, item T1, for open.

STEP 4. Apply generator probe to DS52 converter collector (C) and adjust generator output to produce weak tone. Without changing generator controls, go to Step 5.

STEP 5. Apply generator probe to base (B) of DS52 converter transistor. An increase in signal should be noted, indicating DS52 transistor gain. If gain is not present, check:

- a. DS52 without removing it from the circuit. See "Procedure for Checking Small Transistors".
- b. Voltage between collector (C) and ground in the DS52 converter stage should be "0" volts. If voltage is high, near 10 or 11 volts, the trouble is due to one of the following: Open connection in the collector (C) circuit in the converter stage. Open IF transformer, item T1. Open oscillator coil, item L4.
- c. Check DS52 converter conduction by measuring voltage across the 3900 ohm resistor, item R9. Measure this by putting the positive lead of a D.C. voltmeter on conductor number 2 of the circuit board, and the negative lead on the emitter (E) of the DS52 converter. The voltage should read about 1.0 volt.

If the voltage is low or near "0", check for: Open connection on the circuit board in the converter base circuit (B) or emitter circuit (E).

If the voltage is high, about 10 or 11 volts, check for: Shorted 220 mmf. condenser, item C12. Shorted .0047 condenser, item C11. Shorted trimmer, item C10.

d. If all above tests pass, align 1st IF coil. If coil fails to peak sharply replace it. See alignment procedure.

Change signal generator from intermediate frequency setting to radio frequency signal. Remove the .1 mfd. condenser from the probe lead of the signal generator. Place a 82 mmf. condenser in place of the .1 mfd. just removed. Set signal generator to 900 kilocycles and tune radio receiver to 900 kilocycles 9 on dial scale. A slight retuning of the radio dial may be necessary, once the signal is injected into the radio, to provide maximum signal through the radio.

STEP 6. Apply the generator probe to DS51 (RF) collector (C), and adjust generator output



Figure 26 - VOLTAGE CHART - ALL MANUAL TUNED RADIO

to produce weak tone. Without changing generator controls, go to Step 7.

STEP 7. Move the generator probe to the antenna socket. A tone of equal or slightly less volume will result in the speaker. If signal at antenna socket is not heard, check:

- a. DS51 transistor without removing it from the circuit. See "Procedure for Checking Small Transistors".
- b. Check the voltage between the collector (C) and ground of the DS51 (RF) transistor. Should read about 2.5 volts D.C, with antenna disconnected from the radio.

If voltage is high, check:

- a. DS27 AGC diodes.
- b. RF coil, item L3 and resistor.

If voltage is low, near "0" volts, check: Check for opens in the DS51 (RF) base circuit (B) and emitter circuit (E). Check the antenna coil, item L2, for open.

c. If (RF) stage is dead but voltages are all O.K. check:

Antenna coil, item L2, for open. There are two windings on this coil, both at rear of tuner. Check antenna choke, item L1, for open. Check antenna trimmer, item C1, for short.

This completes the tests for a weak or dead radio. Below are additional hints which may help you find the trouble if it has not been located:

If noise can be heard in the speaker when the antenna is plugged in, but no stations can be picked up, the converter is probably not oscillating. To check for normal oscillation, measure the voltage across the 3.9K resistor, item R9 should be about 1.0 volt. Tune the radio from one end of the dial to the other while watching this voltage. If the voltage does not change slightly, the converter is not oscillating. Common causes of this are:

Open condensers in the DS52 converter circuit. Check by bridging them with good capacitors of the same value.

Defective DS52 transistor.

Defective trimmer, item C10.

If the radio plays loudly but is muffled on very strong stations, check the voltage between (RF) collector (C) and ground. This voltage should drop to a low value when turned to a strong station. If it doesn't, check:



Figure 27 - PARTS LAYOUT ON CIRCUIT BOARD - ALL MANUAL - RADIOS



Figure 28 - SIGNAL TRACING PROCEDURE - ALL MANUAL - RADIOS



Figure 29 - ISLAND NUMBERS OF CIRCUIT BOARD - ALL MANUAL - RADIOS



Figure 30 - CIRCUIT DIAGRAM - 985875 - 985773 - 985957 - 985831 PASSENGER CAR MANUAL RADIOS



Figure 31 - CIRCUIT DIAGRAM - 985672 - 985815 - TRUCK MANUAL RADIOS

DS27 AGC diodes, items AGC1 and AGC2. When checked on the RX100 scale of an ohmmeter, there should be 5:1 ratio or better. Also check to see that those diodes are not mounted backward.

PROCEDURE FOR ALIGNMENT OF ALL CHEVROLET MANUAL RADIOS

All receivers are properly aligned at the factory and should require no further adjustments, except adjusting the receiver to the antenna when installation is made unless the adjustments have been tampered with, or new coils, intermediate frequency transformers or tuning cores have been installed.

To properly align the receiver, it will be necessary to have an output meter and signal generator.

NOTE: If any one of the tuning coils or cores have been replaced, see "Capacity and Inductance Alignment Procedure" before proceeding with alignment of the receiver. If only the adjustments have been tampered with or an intermediate frequency transformer has been replaced, proceed with the alignment as follows:

- 1. First hook up an output meter to the radio receiver. Any voltmeter which will read "A.C." can be used. Set the voltmeter in the 2.5 or 3 volt "A.C." range position, and ground one lead of meter to radio chassis. Place the other lead from voltmeter on the speaker terminal.
- 2. Turn on signal generator and set adjustments to obtain a 262 kilocycle signal. Connect one lead of signal generator to radio chassis for ground. Attach the other lead of signal generator to the base of the converter transistor.
- 3. Adjust signal generator volume control so that the volt meter will read about half scale.

NOTE: Radio receiver volume control must be turned to the maximum position so that the automatic volume control circuit will not affect the alignment of the receiver.

4. Adjust in sequence cores "A, B, C and D" as shown on circuit diagram and parts layout for maximum meter reading. Repeat adjustments to get maximum meter readings. Keep the signal generator volume turned down so that during adjustments the meter does not read more than half scale. This will result in a better alignment of the receiver.

- 5. Next change signal generator setting to obtain a radio frequency signal and tune signal generator to exactly 1615 kilocycles. Place a 82 mmf. condenser to antenna connector and attach signal generator lead. Tune the radio receiver to the "Stop" on the 1600 kilocycle end of the dial. Keep the signal generator volume control adjusted so that output meter reads at about half scale.
- 6. Adjust trimmers "E, F and G", on circuit diagram and parts layout, in sequence for maximum readings on output meter. Repeat for maximum meter readings.
- 7. After the receiver has been installed in the car, turn on receiver and tune in a weak station near 1000 kilocycles with the radio volume control turned to maximum position and the antenna extended to full height. Re-adjust trimmer "G" ONLY for maximum volume.



Figure 32 - TUNING CORE ADJUSTMENT

CAPACITY AND INDUCTANCE ALIGNMENT PROCEDURE FOR ALL CHEVROLET RADIOS

This alignment procedure is to be used only when any of the following parts have been replaced in the radio; antenna coil, radio frequency coil, oscillator coil, or any of the tuning cores.

The intermediate frequency alignment at 262 kilocycles is the same as outlined in "Alignment Procedure" operations 1 through 4. After completing the intermediate frequency alignment, proceed as follows:

- Connect signal generator lead to a 82 mmf. condenser and connect to antenna terminal of antenna socket. Mechanically align iron core "H", on circuit diagram and parts layout to measure 1-3/8 in coil form from rear mounting edge of coil with radio tuned to stop on 1600 kilocycle end of dial.
- 2. With signal generator still adjusted to exactly 1615 kilocycles, adjust trimmers "E,

F and G" on circuit diagram and parts layout in sequence for maximum output meter reading.

- 3. Tune signal generator and radio receiver to 600 kilocycles and readjust iron cores "J and I" ONLY, for maximum output meter reading.
- 4. Reset signal generator to exactly 1615 kilocycles and tune radio receiver to stop on 1600 kilocycle end of the dial. Then readjust trimmers "F and G" ONLY, until no further increase in output meter reading can be obtained.
- 5. After the radio receiver has been installed in the car, turn on the receiver and tune in a weak station near 1000 kilocycles, with radio volume turned to maximum position and antenna extended to full height. Readjust trimmer "G" ONLY, for maximum volume.



Figure 33 - TUNER PARTS LAYOUT AND DIAL CORD VIEW - ALL MANUAL TUNED RADIO



Figure 34 - CHEVROLET PARTS LAYOUT CIRCUIT BOARD VIEW - 985875 - RADIO



Figure 36 - CHEVELLE PARTS LAYOUT TUNER VIEW - 985773 - RADIO



Figure 38 - CHEVY II - PARTS LAYOUT CIRCUIT BOARD VIEW - 985957 - RADIO



Figure 35 - CHEVROLET PARTS LAYOUT TUNER VIEW - 985875 - RADIO



Figure 37 - CHEVELLE PARTS LAYOUT CIRCUIT BOARD VIEW - 985773 - RADIO



Figure 39 - CHEVY II PARTS LAYOUT TUNER VIEW - 985957 - RADIO



Figure 40 - CORVAIR - PARTS LAYOUT - CIRCUIT BOARD VIEW - 985831 - RADIO



Figure 42 - CHEVROLET TRUCK - PARTS LAYOUT -CIRCUIT BOARD VIEW - 985672



Figure 44 - CORVAIR SERIES 95 PARTS LAYOUT -CIRCUIT BOARD VIEW - 985815 - RADIO



Figure 41 - CORVAIR - PARTS LAYOUT - TUNER VIEW - 985831 - RADIO



Figure 43 - CHEVROLET TRUCK - PARTS LAYOUT -TUNER VIEW - 985672



Figure 45 - CORVAIR SERIES 95 PARTS LAYOUT -TUNER VIEW - 985815 - RADIO

Illus.	Service	_	Ilus.	Service	
No.	Part No.	Description	No.	Part No.	Description
R45A		Volume 20K ohm		7282060	Spring, drive shaft retainer
R45B		Tone 100K ohm		7283718	Spring, drive shaft anti-
R45C		Switch			backlash "V" shape
R53	1214549	8.2K ohm, 1/2 watt		7281575	Link, drive nut to core bar
R54	1214550	22K ohm, 1/2 watt		1221815	Nut pkg., core bar drive-M
R55	7286601	Rheostat, 600 ohms,		T	
P56	1914540	Tone Control $\frac{1}{2}$ watt		Inst	tallation Parts
R57	1213481	3.3K ohm $1/2$ watt		3778251	Adapter static collector
R58	1214550	22K ohm, $1/2$ watt		3838126	Brace, radio mtg.
R60	1211005	150 ohm. 1 watt		3771778	Bracket, ign. coil cap.
R61	1216141	68 ohm, 1 watt			adapter
R62	1213489	47 ohm, 1/2 watt		7286405	Bracket, radio mounting
R63	1213489	47 ohm, $1/2$ watt		1947452	Capacitor, ignition coil
R64	7287480	Fuse Res., .68 ohm, 1 watt		1960957	Capacitor, voltage regulator
-		use exact replacement			& generator
R05	7241616	1.8K ohm, $1/2$ watt		3838128	Cushion, speaker mtg. brkt.
R00 P74	1200003	2.0 orm, 1/2 watt		2065457	Fuse, 2.5 ampere, type AGC
R75	1213252	10K ohm 1/2 watt		2903437	Knob control - 2
	1210202	ton onni, 1/2 watt		3793636	Knob, tone control
	М	iscellaneous		3825878	Knob, dummy
				7279805	Nut, radio bushing - 2
	7282096	Dial Light Assembly		2974198	Strap, engine ground
	7282640	Lead and plug assy., speaker to "A" connector		7276494	Static collector, front wheel - 2
	1221812	Radiator pkg., transistor		2978713	Strap, radio ground
		heat		6279	Washer, wave, knob
	1221813	Insulator, heat radiator			anti-rattle
	7286101	Speaker, 10 ohm, voice coil		494786	Collector, static, front wheel - 2
	7282114	Connector assy., "A" lead & speakers		3843820	Bolt, special, speaker mtg.
FL1	7287253	Component Pack			
.0022 mfd 1K ohm Tuner Parts		PARTS LIST FOR 985815 CORVAIR SERIES 95 TRUCK			
			7281108	Socket, antenna connector	
	7282078	Backplate, dial	Illus.	Service	
	7282080	Backplate pointer	No.	Part No.	Description
	7285869	Bushing, manual shaft			
	7240121	Cap, dial light	C1	7281971	Antenna trimmer
	7282161	Cord, dial pointer drive	C2	5050510	Part of printed circuit
	7281896	Core bar	C3	7272519	.047 mid, 75 volt, tubular
	7200147	Dial calibrated	C4 C5	7288155	200 mmf 100 volt mice
	1222009	Drive shaft manual	C6	7287936	0.033 mfd 75 volt, tubular
	1221529	Retaining ring pkg.	C7	7279896	30 mfd. 6 volt. electrolytic
	1222046	Escutcheon			tubular
	7287957	Tuner complete - includes	C8	7272519	.047 mfd, 75 volt, tubular
		coils, housing & slugs	C9	7278751	.022 mfd, 75 volt, tubular
	7282086	Pointer assy. pkg	C10	7281933	Oscillator trimmer
	7263593	Pulley, dial cord	C11	7283366	.0047 mfd, 100 volt, ceramic
	1221958	HELL = 10 in plan	C12	7283835	047 mfd 75 volt tubular
	7283693	Spring dial cord tension	C14	7272519	.047 mfd, 75 volt tubular
		-ro, oor a tonoron		0 _ 0	

Illus. No.	Service Part No.	Description	Illus. No.			
C15	7279821	180 mmf, ±5% N080, 100 volt	R8 R9			
C16	7283364	001 mfd, 100 volt, ceramic	R10			
C17	1203304	.001 mfd, 100 volt, ceramic-	R11			
011		Part of FL-1	R12			
C18		.001 mfd, 100 volt, ceramic-	R13			
		Part of FL-1	R14			
C50	7286579	.033 mfd, 75 volt, tubular	R15			
C53	7283834	10 mid, 12 volt, Electrolytic	D16			
054	7286539	100 mfd 4 volt dual	R10 R46			
0.54	1200000	electrolytic	1(10			
C56	7288139	.15 mfd. 12 volt. ceramic	R46A			
C57	7282272	Electrolytic, 3 section	R46B			
		400 mfd, 16 volts	R46C			
		850 mfd, 16 volts	R53			
		4 mfd, 11.5 RMS	R54			
C60	7271564	Plate, spark	R55			
	Diodes	and Transistors	R56			
	Diodol	und Traibiblorb	R57			
DS27	7279893 (D	S-27) DS-27 Diode - 3 used	R58			
DS51	#1221648 (D	S-25) DS-51 Transistor,	R60			
		RF Amplifier	R61			
DS52	#1221648 (D	S-25) DS-52 Transistor,	R62			
D.0.5.0		Converter	R63			
DS23	#1221048 (D	S-25) DS-53 Transistor,	R04			
DS46	1221962 (D	S-46) DS-46 Transistor	R65			
0010	1221002 (2)	Audio Amplifier	R66			
DS46	1221962 (D	S-46) DS-46 Transistor,	R75			
		Audio Driver				
DS503	3 1221625 (D	S-503) DS-503 Transistor,				
		Power Amplifier				
# Use DS-25 for replacement						
Coils and Transformers						
L1	7281946	Choke, antenna series				
L2		Coil & housing assy.,				
$L3\rangle$	7287959	includes antenna, RF,				
1.45		oscillator coils and				
X 40	2000022	cuner Obelee endie entert				
	7282057	Choke, audio output				
τ1	1221023	1st I.F				
T2	1221857	2nd I.F.				
Resistors and Controls						
R1	1213224	330 ohm, $1/2$ watt				
R4	1213486	470 ohm, $1/2$ watt				

1.5K ohm, 1/2 watt 150K ohm, 1/2 watt

2.2K ohm, 1/2 watt

R5

R6

R7

1213237

1213272

1214545

1011000	2211 Onin, 1/2 wate
1214546	3.9K ohm, $1/2$ watt
1214547	4.7K ohm, $1/2$ watt
1213845	33K ohm, $1/2$ watt
1213845	33K ohm $1/2$ watt
1213486	470 obm 1 watt
1010400	6.9 m $1/2$ wott
1213403	115 above $1/2$ wall
	IK onm, 1/2 wall -
	Part of FL-1
1214559	470K ohm, $1/2$ watt
	Control, volume, tone and
	switch
	Volume 20K ohm
	Tone 100K ohm
	Switch
1214549	$8.2 \mathrm{K}$ ohm, $1/2$ watt
1214550	22K ohm $1/2$ watt
7286601	Rheostat 600 ohms
1200001	Tana Control
1914540	$\frac{1}{2}$ we have $\frac{1}{2}$ we have
1214049	0.2K onm, $1/2$ wall
1213481	3.3K onm, 1/2 watt
1214550	22K ohm, $1/2$ watt
1211005	150 ohm, 1 watt
1216141	68 ohm, 1 watt
1213489	47 ohm, 1/2 watt
1213489	47 ohm, 1/2 watt
7287480	Fuse Res., .68 ohm, 1 watt-
	use exact replacement
7241616	1.9K ohm $1/2$ worth
1011010	I.OR UMM, I/2 Wall
7288083	5.6 ohm, $1/2$ watt
7288083	5.6 ohm, $1/2$ watt 10K ohm, $1/2$ watt
7288083 1213252	5.6 ohm, $1/2$ watt 10K ohm, $1/2$ watt
7288083 1213252	5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous
7288083 1213252	5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous
7288083 1213252	5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous
7288083 1213252 7282096	Dial light assy.
7288083 1213252 7282096 7282160	 J. Sk ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm
7288083 1213252 7282096 7282160	 J. SK ohm, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil
7288083 1213252 7282096 7282160 7283540	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg.
7288083 1213252 7282096 7282160 7283540 7282114	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead
7288083 1213252 7282096 7282160 7283540 7282114	 J. Sk ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker
7288083 1213252 7282096 7282160 7283540 7282114 7282096	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy.
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor
7282096 7282160 7282160 7282114 7282096 7282114 7282096 7282414 1221812	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253	 Jok ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253	 J. SK ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm Tuner Parts Backplate, dial
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253 7281326 7282176	 Jok ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm Tuner Parts Backplate, dial Backplate, pointer
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253 7281326 7282176 7282144	 Jok ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm Tuner Parts Backplate, dial Backplate, pointer Bushing, manual shaft
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253 7281326 7282176 7282144 7240121	 Jok ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm Tuner Parts Backplate, dial Backplate, pointer Bushing, manual shaft Cap, dial light
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253 7281326 7282176 7282176 7282144 7240121 6040	 Jok ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm Tuner Parts Backplate, dial Backplate, pointer Bushing, manual shaft Cap, dial light Cord, dial pointer drive
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253 7281326 7282176 7282176 7282144 7240121 6040 7281896	 Jok ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm Tuner Parts Backplate, dial Backplate, pointer Bushing, manual shaft Cap, dial light Cord, dial pointer drive Core bar
7288083 1213252 7282096 7282160 7283540 7282114 7282096 7282414 1221812 1221813 7281108 7287253 7281326 7282176 7282144 7282144 7282144 7281326 7282144	 Jok ohn, 1/2 watt 5.6 ohm, 1/2 watt 10K ohm, 1/2 watt Miscellaneous Dial light assy. Speaker, 6 x 9, P.M., 10 ohm voice coil Bracket, receiver mtg. Connector assy., "A" lead & speaker Dial Light Assy. Lead & plug assy., speaker Radiator pkg., transistor heat Insulator, heat radiator Socket, antenna connector Component pack .0022 mfd 2-1K ohm Tuner Parts Backplate, dial Backplate, pointer Bushing, manual shaft Cap, dial light Cord, dial pointer drive Core bar

Service

Part No.

1214550

Description

22K ohm, 1/2 watt

Illus.	Service		Illus.	Service	
No.	Part No.	Description	No.	Part No.	Description
	7288147	Core, tuning - 3 used		1960957	Capacitor, generator
	7279493	Dial, calibrated		1947452	Capacitor, ignition coil
	1221818	Drive shaft, manual		1960957	Capacitor, voltage regulator
	1221529	Retaining ring pkg.		3826296	Cover assy., radio
	1222043	Escutcheon		3783307	Cushion, speaker mtg. brkt.
	7287957	Tuner complete, includes		7283866	Fuse, 4 amp., type AGC
		coils, housing & slugs		3787340	Gasket, radio cover
	7281575	Link, drive nut to core bar		7277055	Knob, control 2
	1221815	Nut pkg., core bar drive-M		3793635	Knob, dummy
	7284556	Pointer assy.		3793636	Knob, tone control
	7263593	Pulley, dial cord		7279805	Nut, radio bushing - 2
	1221529	Retainer ring, core bar stop		3784324	Plate, speaker mtg.
		"E"- 10 in pkg.		3823190	Spacer, radio receiver
	7283903	Spring, dial cord tension		7279350	Spring, control knob
	7282060	Spring, drive shaft retainer		7276494	Static collector, front
	7283718	Spring, drive shaft anti-			wheel - 2
		backlash "V" shape		2974198	Strap, radio ground - 2
	Installation Parts			7257400	Washer, wave, knob anti- rattle - 2
	3783238	Bracket, radio cover			
	3826294	Bracket, radio mtg., R.H.			

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