



UNITED MOTORS SERVICE

DIVISION OF GENERAL MOTORS CORPORATION

General Offices - Detroit

AUTO RADIO BULLETIN

Bulletin 6D-854

Chevrolet 987086

Date 11-1-54

Page 1

FIRST ISSUE

SUBJECT: SERVICE INSTRUCTIONS — 12V CHEVROLET CUSTOM DELUXE MODEL 987086

GENERAL

MOUNTING—All 1955 Chevrolet Cars.

TUBES—Six, Plus Rectifier and Trigger.

SPEAKER—6"x9" Permanent Magnet.

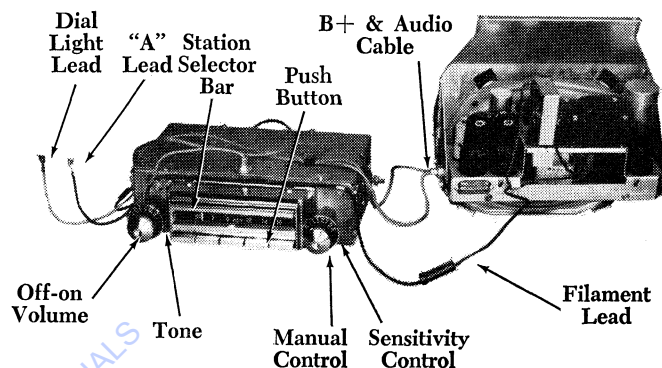
TUNING — Electronic, Pushbutton, and Manual.—Series F-1.

ANTENNA TRIMMER COMPENSATION—For Antennas Between 0.000058 - 0.000090 Mfd.

TUNING RANGE—540-1600 KC.

PUSHBUTTON SET-UP

1. Open the hinged door below the dial exposing the selector tabs.
2. Tune in the desired signal nearest the left end of the dial.
3. Move the first selector tab (one farthest left) until it lines up with the pointer tip.
4. Repeat set-up steps 2 and 3 for the remaining selector tabs, choosing stations from left to right on the dial.
5. Check the settings of each selector tab by depressing the corresponding station selector button. If the correct station is not tuned in re-adjust the selector tab.



MODEL 987086

SIGNAL SEEKING TUNER ALIGNMENT PROCEDURE:

NOTE: When aligning the signal seeker tuner type radio, be sure to use a vacuum tube voltmeter as indicated and be sure to follow the alignment sequence given—(Notice that the primary of the 2nd I.F. is aligned first.)

Output Meter Connection VTVM From AVC Line To Chassis (see Parts layout page 2)
Generator Return Receiver Chassis
Dummy Antenna In Series With Generator
Volume Control Maximum Volume
Sensitivity Control Position 2. (Position 1 is Maximum)
Tone Control Treble (Max. Clockwise)
Generator Output Not to Exceed 2 Volts at VTVM

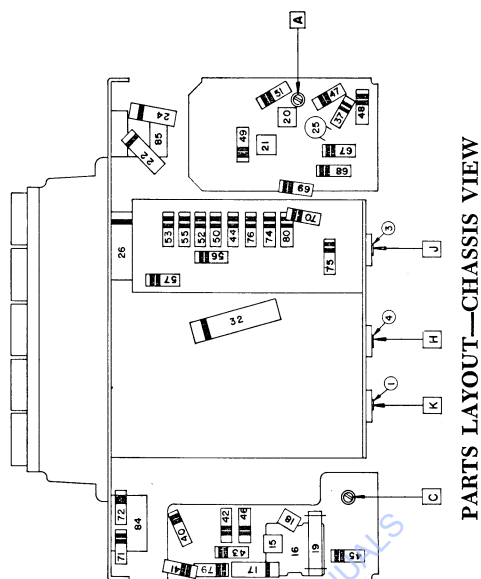
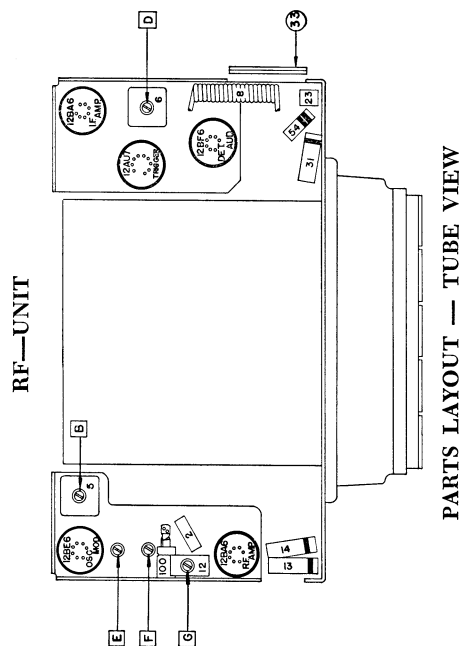
Step	Dummy Antenna	Connect To	Signal Generator Frequency	Tune Receiver To	Adjust in Sequence
1	0.1 Mfd.	12BE6 Grid (Pin 7)	262 KC	*High Frequency Stop	A, B, C (Max.)
2	0.1 Mfd.	12BE6 Grid (Pin 7)	262 KC	High Frequency Stop	D (Min.)
3	.000068 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	**E, F, G (Max.)
4	.000068 Mfd.	Antenna Connector	600 KC	Signal Generator Signal	J, K (Max.)
5	.000068 Mfd.	Antenna Connector	1615 KC	Signal Generator Signal	F, G (Max.)
6	.000068 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	***L

*To tune to high frequency, put a 0.070" feeler gauge (or bare #13 wire) in slot against the high frequency stop. (See tuner pictures). Turn manual control to allow the planetary arm to run against the feeler gauge.

**Before making this adjustment, check the setting of oscillator core "H." The rear of the core should be 1 $\frac{1}{2}$ " from the mounting end of the coil form. This measurement is readily made by inserting a suitable plug in the mounting end of the coil form. The core adjustment is made from the mounting end of the coil form with an insulated screw driver. (It will be necessary to steady the core guide bar by applying a downward pressure at the antenna core end of the bar while making these adjustments.) If this adjustment is necessary, first dissolve the glyptal seal on the core stud and be sure to re-seal after making the adjustment.

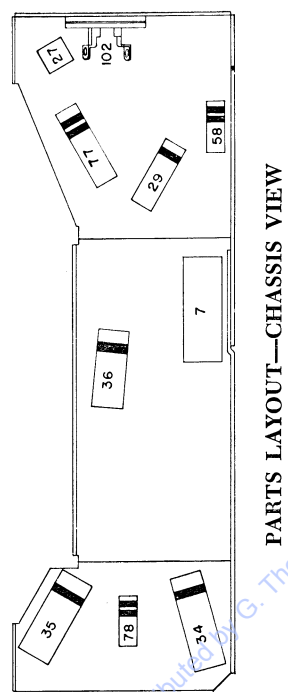
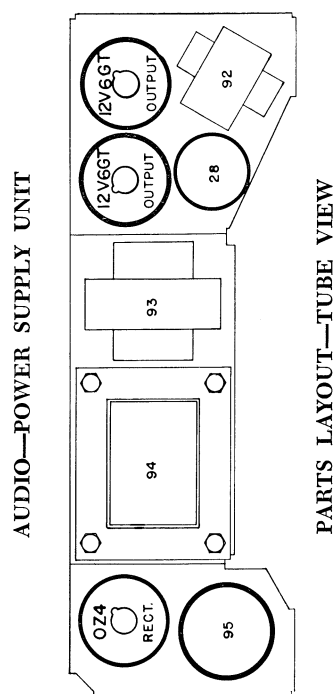
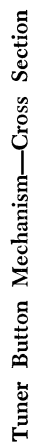
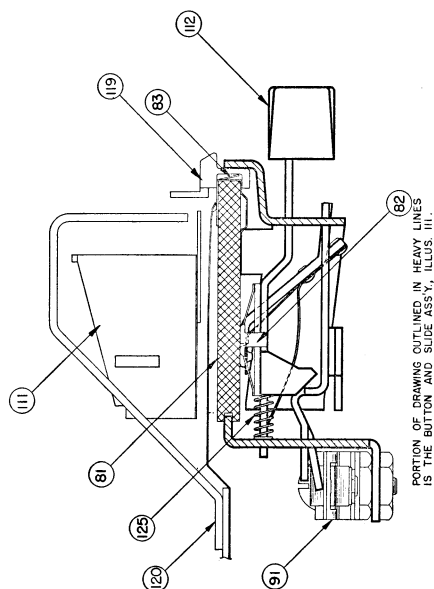
***"L" is the pointer adjustment screw on the end of the core guide bar—adjust so pointer reads 1000 KC.

With the radio installed and the antenna plugged in, adjust the antenna trimmer "C" for maximum volume with the radio tuned to a weak station between 600 and 1000 KC (see sticker on case).



Connect vacuum tube voltmeter between AVC line and ground during alignment.

NOTE: This radio uses Series F1 Tuner. For complete Tuner Information see Bulletin 6D-621.

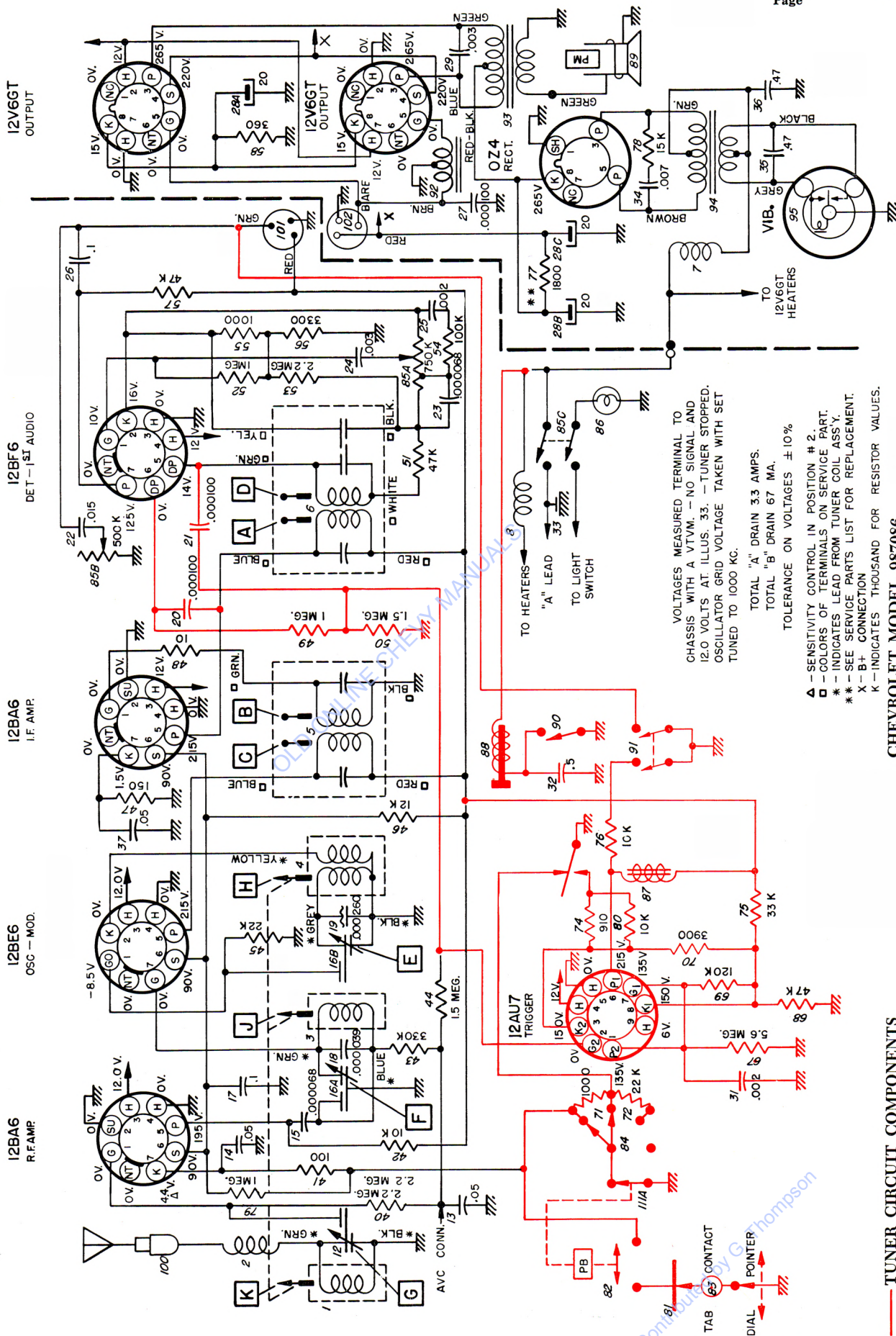


PART

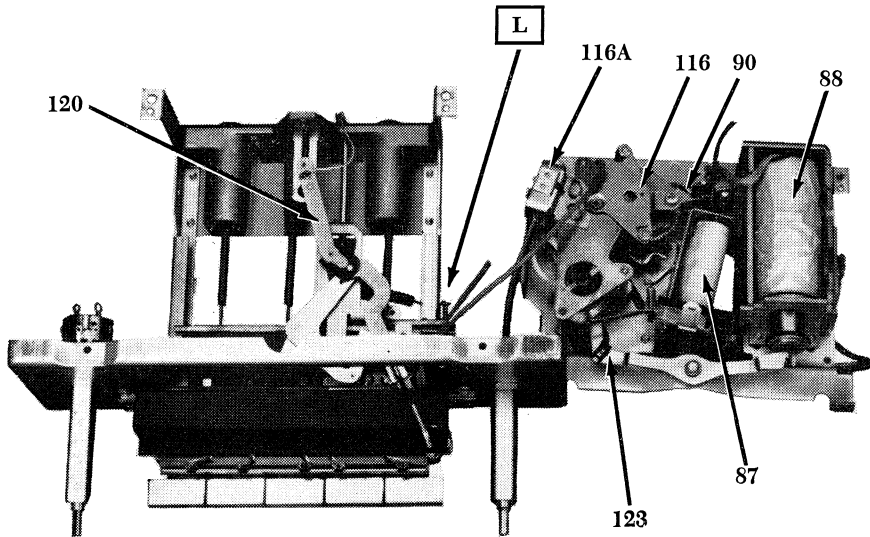


78

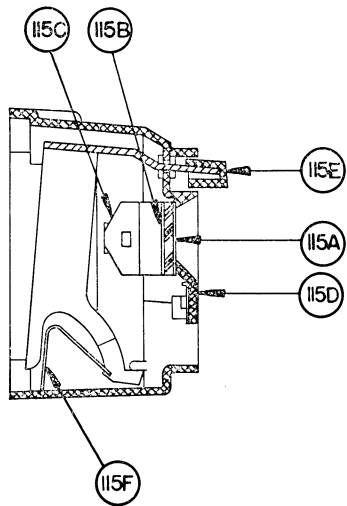
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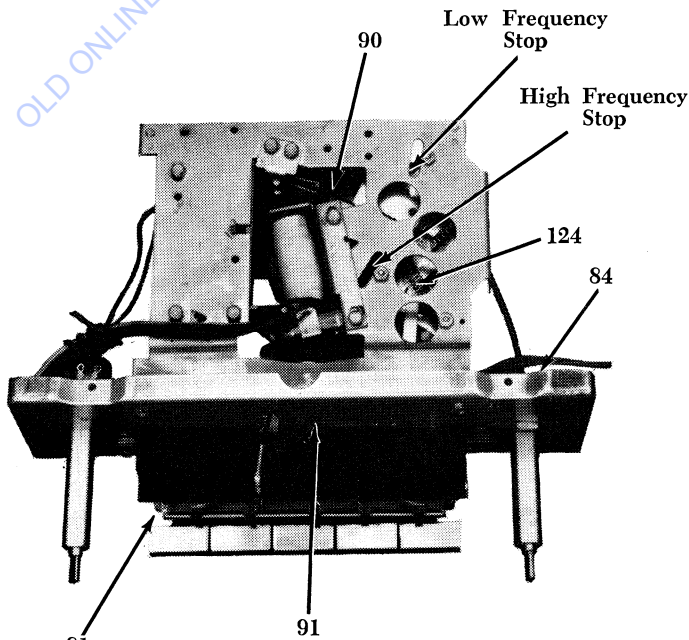
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TUNER UNFOLDED



ESCUTCHEON
CROSS-SECTION



TUNER

NOTE: For a complete discussion of the Series F1 Signal Seeking Tuner see Bulletin 6D-621.

Contributed by G. Thompson

SERVICE PARTS LIST

Chevrolet Model 987086

Illus. No.	Service Part No.	Description
ELECTRICAL PARTS		
Coils		
1	7257979	Antenna
2	7255738	Antenna Series Choke
3	7257979	R.F.
4	7263287	Oscillator
5	1219508	1st I.F.
6	1220204	2nd I.F.
*7	*7265389	Power Transformer Choke
8	1217846	Heater Choke
Capacitors		
*12	*7265255	Antenna Trimmer
13	6512	.05 mfd 200V. Tubular (†7236842)
14	6512	.05 mfd 200V. Tubular (†7236842)
15	G-680	.000068 mfd Molded Mica
16	7242454	Dual Trimmer
16A		R.F. Section
16B		Oscillator Section
17	6513	.1 mfd 400V. Tubular (†7238788)
18	G-390	.000039 mfd Molded Mica
19	7257567	.00026 mfd Temp. Compensating
20	1219498	.000100 Molded Mica ± 5%
21	1219498	.000100 Molded Mica ± 5%
22	7237719	.015 mfd 600V. Tubular (†7237719)
23	G-680	.000068 mfd Molded Mica
24	6529	.003 mfd 600V. Tubular (†7257699)
*25	*7265426	.002 mfd Disc Ceramic
26	6513	.1 mfd 400V. Tubular (†1219495)
27	G-101	.000100 mfd Molded Mica
28	M-908	Electrolytic (†7240724)
28A		20 mfd 25V.
28B		20 mfd 400V.
28C		20 mfd 400V.
29	H-302	.003 mfd 1000V. Tubular (†7234126)
31	6528	.002 mfd 600V. Tubular (†7237836)
32	6592	.5 mfd 200V. Tubular (†7265362)
*33	*1220682	Spark Plate Ass'y.
34	H-702	.007 mfd 1600V. Buffer (†1220153)
35	6592	.47 mfd 100V. Tubular (†7257906)
36	6592	.47 mfd 100V. Tubular (†7257906)
37	6512	.05 mfd 200V. Tubular (†7236842) I.F. Cathode By-Pass
Resistors		
40	1239	2.2 Megohms ½W
41	1113	100 ohms ½W
42	1174	10,000 ohms 1W
43	1229	330,000 ohms ½W
44	1219492	1.5 Megohms ½W ± 5%
45	1215	22,000 ohms ½W
46	1276	12,000 ohms 2W
47	1115	150 ohms ½W
48	1101	10 ohms ½W
49	1220169	1 Megohm ½W ± 5%
50	1219492	1.5 Megohms ½W ± 5%
51	1219	47,000 ohms ½W
52	1235	1 Megohm ½W
53	1239	2.2 Megohms ½W
54	1223	100,000 ohms ½W
55	1125	1000 ohms ½W
56	1131	3300 ohms ½W
57	1259	47,000 ohms 1W
58	7234563	360 ohms 1W
67	1244	5.6 Megohms ½W

† Number stamped on part but not same as Service Part No.

* Part first used in 1955.

SERVICE PARTS LIST

Chevrolet Model 987086 (con't.)

Illus. No.	Service Part No.	Description
Tuner (cont'd.)		
*115	*7265405	Escutcheon
*115A	*7265308	Dial Calibrated
*115B	*7265684	Dial Backplate
115C	7263597	Dial Retainer Spring
115D	7264617	Door, Tab-Access
115E		Station Selector Bar (Service with "Escutcheon")
115F	7263439	Station Selector Bar Spring
*116	*7265765	Gear Train Assembly
*116A	*1220673	Worm Gear Pkg.
119	1220192	Indicator, Selector Tab (set of 5)
*120	*7265297	Pointer Arm Assembly
*121	*7265363	Shaft, Manual Drive
122	7259207	Spring, Anti-Squeak, worm gear
123	6047	Spring Clip
124	7259055	Spring, Gear Train Power
125	7263371	Spring, Slide Return

Installation Parts

6030	Capacitor, (.5 mfd) Generator (†1911095)
6030	Capacitor, (.5 mfd) Ignition Coil (†1929070)
6030	Capacitor, (.5 mfd) Voltage Regulator (†1917580)
	Fuse, 7½ amp.
*7265117	Escutcheon Backplate (Metal)
*7265123	Escutcheon—Selector (Plastic)
*7265120	Escutcheon—Volume (Plastic)
*7265132	Knob—Wing
*1990777	Knob—Control

† Number stamped on part but not same as Service Part No.

* Part first used in 1955.

HARDWARE

Usage	Service Part No.	Quantity and Description
Case screw	6083	20 No. 8-18 x ¼ Hex Head Slotted Self Tapping Screw
Oversize Case screw	6084	15 No. 10-18 x ¼ Hex Head Slotted Self Tapping Screw
Speaker	6087	12 No. 10-32 x ½ Hex Head Machine Screw (with lockwasher)
Relay & solenoid Mtg.	6266	30 No. 8-32 x ⅜ Hex Head Machine Screw
Coil Assy. and Coil housing Mtg.	6086	20 No. 6-20 x ¼ Hex Head Self Tapping Screw
FST circuit board	6263	40 No. 4-40 x ⅜ Oval Head Machine Screw
Worm Gear	6078	12 No. 10-32 x ½ Headless Slotted set screw (Cone Point)
Set screw lock (Worm gear)	6082	25 No. 10-32 Hex Nut
SST switch mounting	6272	30 No. 6-32 Hex Nut
Gear train	6271	30 No. 4-40 Hex Nut
SST switches	6275	20 "U" Spring
Antenna & RF coil	6286	5 Mounting Grommet
Oscillator Coil	6284	5 Mounting Grommet