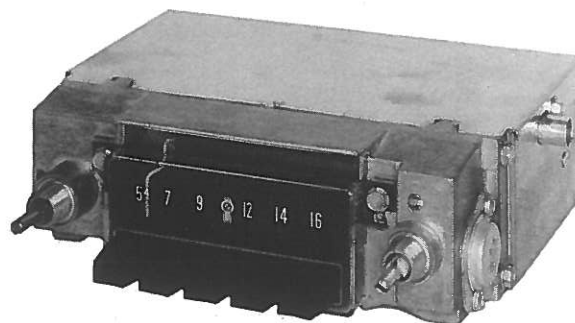




PHOTOFACT[®] with

CIRCUITRACE[®]

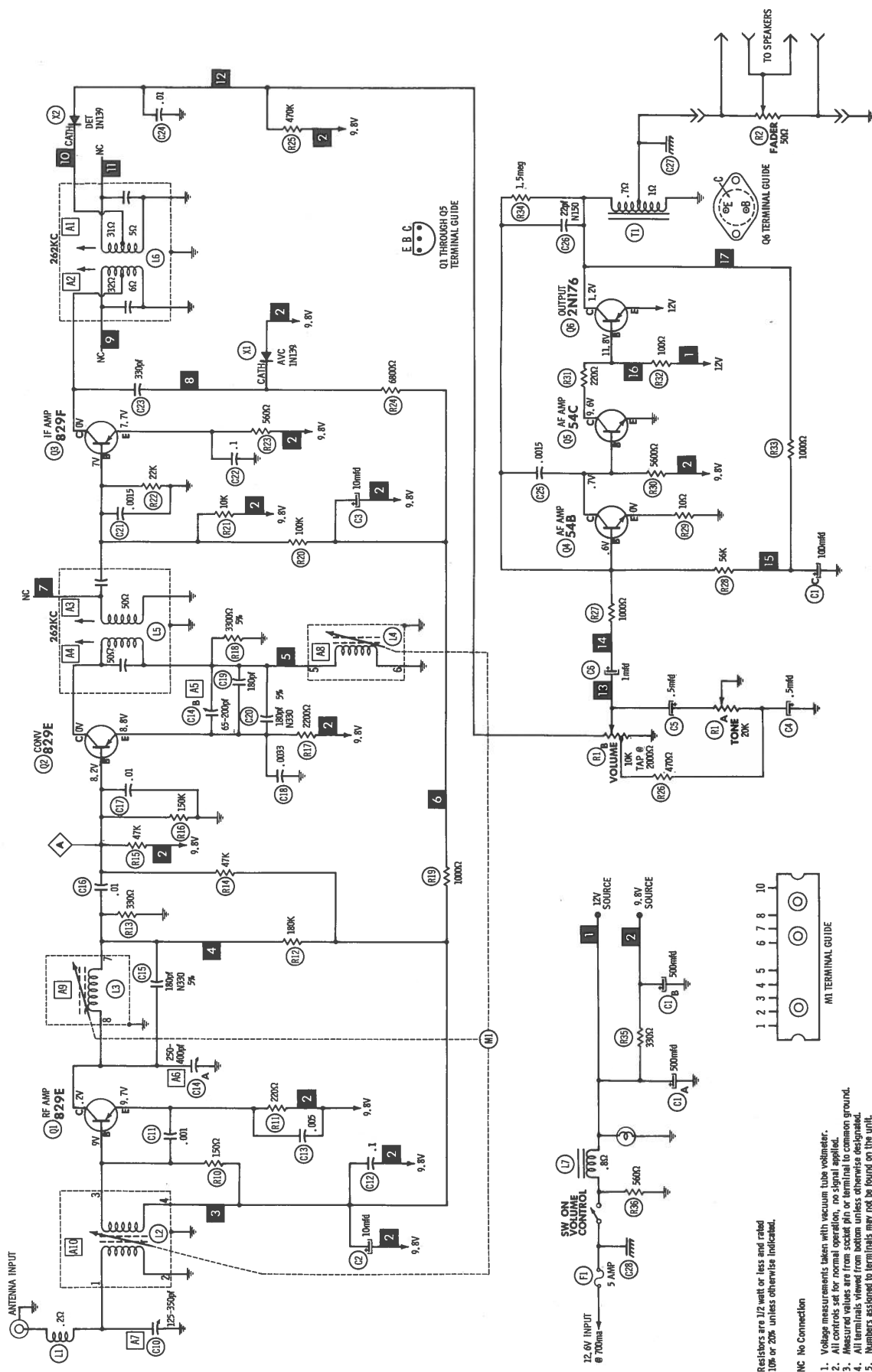
TRADE NAME : Kenworth Model 6SMKW
SUPPLIER : For Current Address, See Annual Index
TYPE SET : 6-Transistor AM Receiver
POWER SUPPLY : 12 Volt Storage Battery
RATING : .7 Amp. @ 12.6 Volts DC



ALIGNMENT INSTRUCTIONS

Check for specified source voltage. Use only enough generator output to provide a usable indication. Suggested Alignment Tools: A1 thru A4. GENERAL CEMENT: 9626, 9297, 9300 WALSCO: 2510, 2546, 2547 A5, A6, A7. GENERAL CEMENT: 8290, 8868, 9087 WALSCO: 2525, 2528, 2587			<p>TO SIGNAL GENERATOR TO ANTENNA RECEPTACLE</p> <p>DUMMY ANTENNA</p>		PUSH-BUTTON ADJUSTMENT 1. Pull button out. 2. Tune manually to desired station. 3. Press button in firmly. 4. Repeat for remaining buttons.
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. High side thru .1mfd to point , low side to ground.	262KC (400% Mod.)	High freq. end stop.	Output meter across voice coil.	A1, A2, A3, A4	Adjust for maximum.
2. Thru dummy antenna to antenna receptacle.	1615KC	"	"	A5, A6, A7	"
Step 3 is not necessary unless tuner has been tampered with or associated components have been replaced. If necessary, back tuning cores (A8, A9, A10) out of coils but not out of forms. Repeat Step 2.					
3. Thru dummy antenna to antenna receptacle.	1000KC	Tune to signal.	Output meter across voice coil.	A8, A9, A10	Adjust for maximum. Repeat Steps 2 and 3 until no further improvement is noted.
With radio installed in car and antenna extended to desired height, tune in a weak station near 1400KC and adjust A7 for maximum output. Antenna adjustment (A7) is located on right rear of chassis.					

KENWORTH MODEL 6SMKW

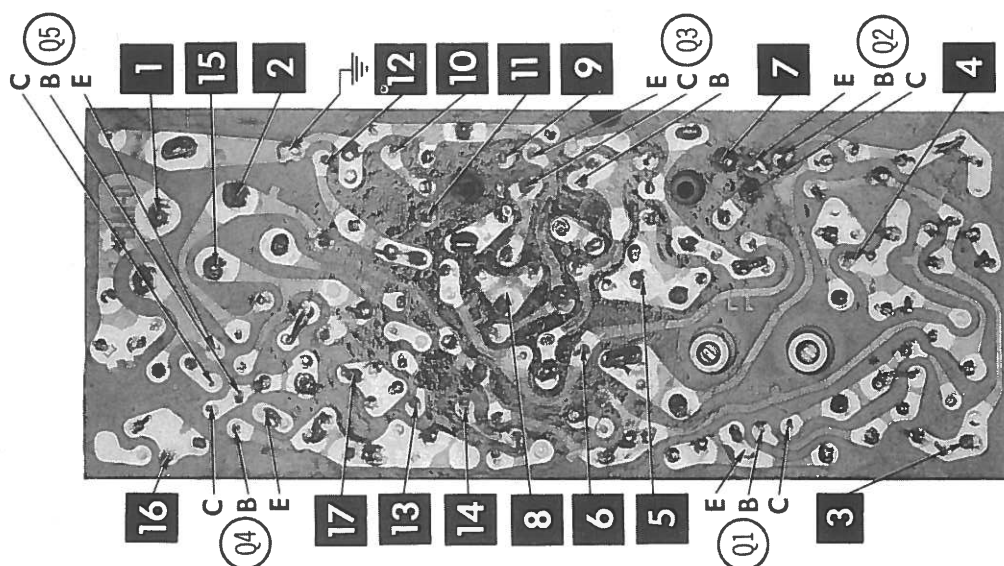


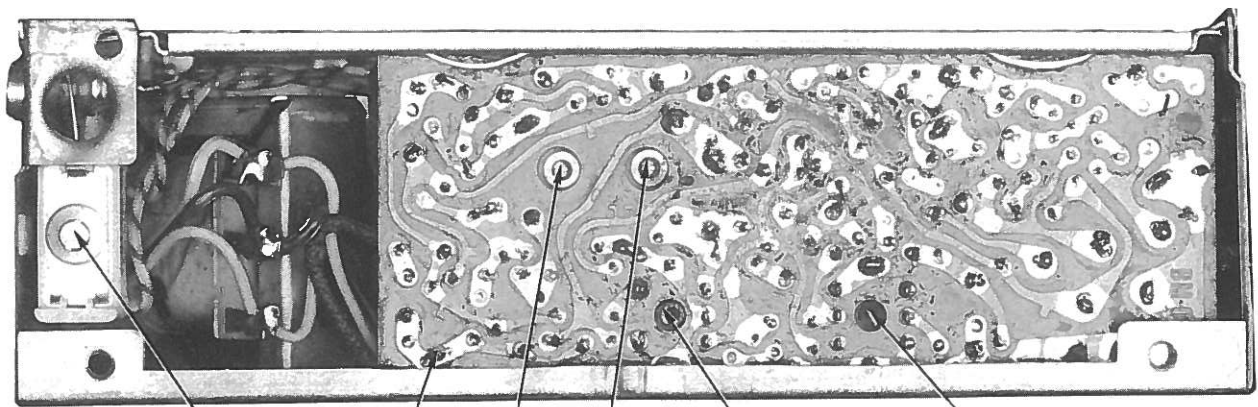
A PHOTOFACT STANDARD NOTATION SCHEMATIC

with **CIRCUITRACE**

© Howard W. Sams & Co., Inc. 1968

© Howard W. Sams & Co., Inc. 1968





C10

A7

1615KC

A

A6

1615KC

A5

A3

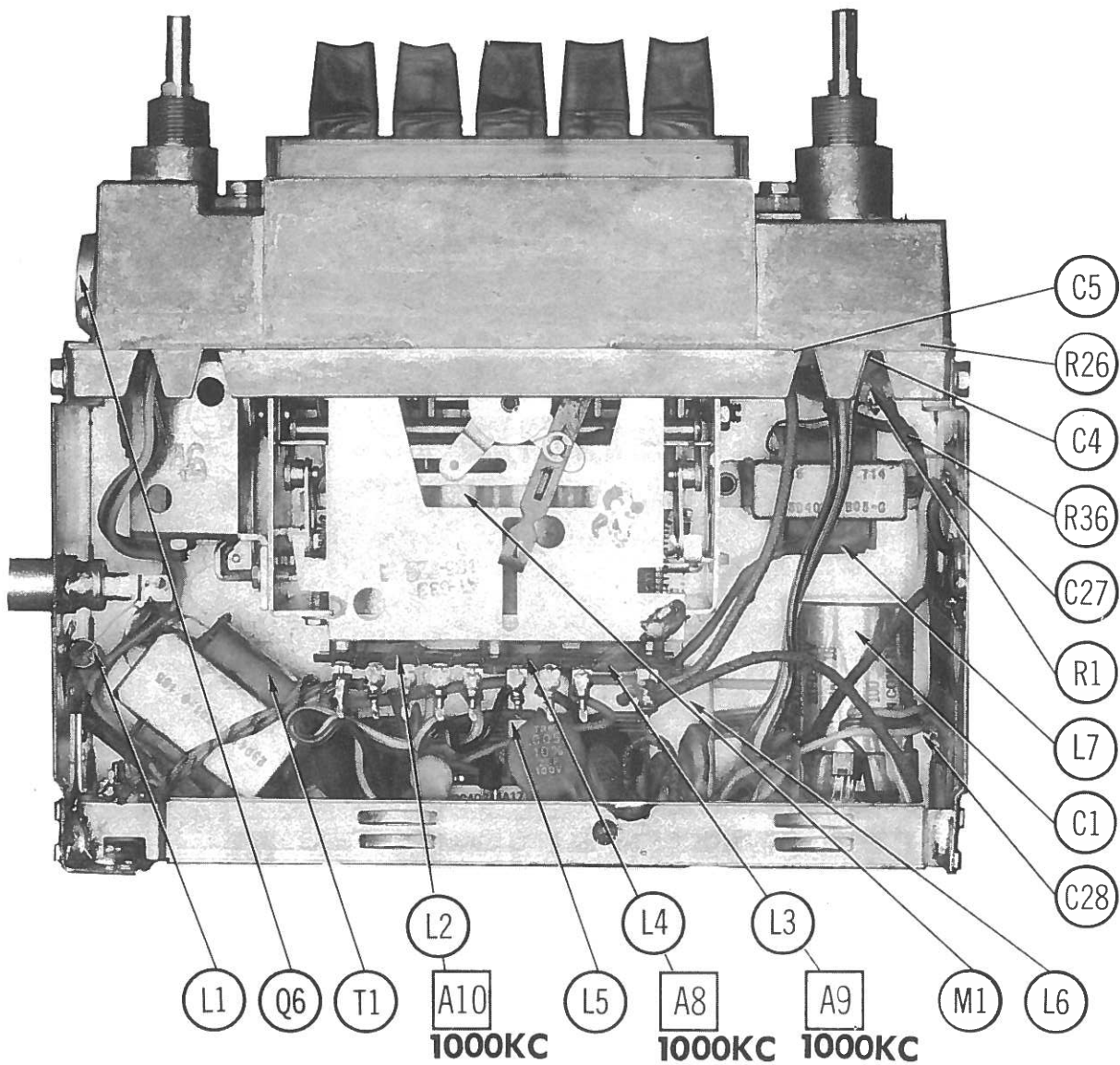
262KC

A4

A1

262KC

A2



C5

R26

C4

R36

C27

R1

L7

C1

C28

L1

Q6

T1

L2

A10

1000KC

L5

L4

A8

1000KC

L3

A9

1000KC

M1

L6

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				MOTOROLA PART No.	NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q1	829E	RF Amp			TR-19		48S134914	PNP
Q2	829D	Converter			TR-19		48S134913	PNP
Q3	829F	IF Amp			TR-19		48S134915	PNP
Q4	54B	AF Amp	DS-66	GE-10	TR-21	SK-3020	48S134809	NPN
Q5	54C	AF Amp	DS-66	GE-10	TR-21	SK-3020	48S134810	NPN
Q6	2N176	Output	DS-520	GE-3	TR-01	SK-3009	48S134747	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1		1N139	1N34AS	1N34A			
X2		1N139	1N34AS	1N34A			

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		MOTOROLA PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	500 16V	23C40302A04	PWH3-00-95				PFP300, 18	PCL-3026, 11
B	500 16V							
C	100 16V							
C2	10 6V	23C43280A03	CRE307A	EA6-10	NLW10-6	MT1-5	TT6X10	TE-1107
C3	10 6V	23C43280A03	CRE307A	EA6-10	NLW10-6	MT1-5	TT6X10	TE-1107
C4	.5 15V	23C43280A25			TYR13BDR47M		TAS474M015P0A	
C5	.5 15V	23C43280A25			TYR13BDR47M		TAS474M015P0A	
C6	1 15V	23C43280A17	BCD15001		NLW1-50	MT1-1	TT15X1	TE-1148

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C10	125-350pf	#20B43088A02						
C11	.001		DI-1000	DM-102	JBS601YP102K	CCD-102	SM210	5GAB-D10
C12	.1 100V		DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10
C13	.005	10%	DI-5000	DD-502	JBT601YP502K	CCD-502	GP250	10TS-D50
C14A	250-400pf	#20C40254A17						
B	65-200pf							
C15	180 N330	5%				*	*	10TCS-T18
C16	.01 100V		DBE4S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C17	.01 100V		DBE4S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C18	.0033 100V	10%	DBE6D33		DMF6D33	1MDF-1-332		6PS-D33
C19	180		ADM-15-181	CPR-180J	CD10E181J500	DM-10-181J	SX318	MS-318
C20	180 N330	5%				*	*	10TCS-T18
C21	.0015	10%	DI-1500	DD-152		CCD-152	GP215	10TS-D15
C22	.1 100V		DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10
C23	330	10%	DI-330	DD-331	JBZ601YP331K	CCD-331	GP331	10TS-T33
C24	.01		TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C25	.0015	10%	DI-1500	DD-152		CCD-152	GP215	10TS-D15
C26	22 N150	10%				*	*	10TCP-Q22
C27		#64A41668A07						
C28		#64K563410						

Motorola Part Number.

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			MOTOROLA PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Tone	20K	18D42832A05	F1-25K①,		† QJ-1832A	FA24L①, RU14T53
B	Volume/Switch	10K Tap @ 2K		R16-10K, FFS104			OX1250A, IS1812, US41
R2	Fader	50Ω	18C40079B01	RFS113, KR-4			

① Use original Mounting clips.

② Cut off Tab Ears (R5) and use original Spring Mounting clip.

† "CONCENTRIKIT" Equivalent: K-8 Kit with Base Elements and Shafts: B11-119, P22-109 (Panel), B19-116X, R26-124 (Rear), 76-1 (Switch), R5② (Bushing)

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		MOTOROLA PART No.	MEISSNER Part No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	RF Choke	24C40788A04	19-1001	BC-562	4604	T856
L2	Antenna	①				
L3	RF	①				
L4	Oscillator	①				
L5	Input IF	24D40310B09				
L6	Output IF	24D40310B10			8010	

① Part of M1 (Coils and Mounting Plate Assembly Part Number 1V43200A09).

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MOTOROLA PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L7	.7A	.8Ω	22mh	25D40907B08					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
			MOTOROLA PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.						
	TURNS RATIO							
T1	18Ω Tap	@ 8Ω	25D41307B01					
	1.8	1						

SPEAKER

ITEM No.	TYPE		REPLACEMENT DATA			NOTES
			MOTOROLA PART No.	JENSEN PART No.	QUAM PART No.	
SP1	5" X 7" PM	6-8Ω	50C43065A03	P5X7V8	57A2MT	Rear Seat Speaker
	5" X 7" PM	6-8Ω	50C43065A03	P5X7V8	57A2MT	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	AGC 5	65S122345	94C41095A25	AGA 5	HAF	301005	155004

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Tuner Coil and Mounting Plate Assembly	77D43175A05 1V43200A09	AT-633

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Bezel	13C43066A01	Knob, Tuning or Volume	36B564318
Dial Scale	34C43181A03	Knob, Tone-or Dummy	36K565237

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Shielded Hook-up Wire	Use BELDEN No. 8885
Rear Seat Speaker Extension Cable	Use BELDEN No. 8782 (Stranded) Coded Parallel Leads
Bonding Strap	Use BELDEN No. 8861 (3/8 In.) or 8870 (3/4 In.)