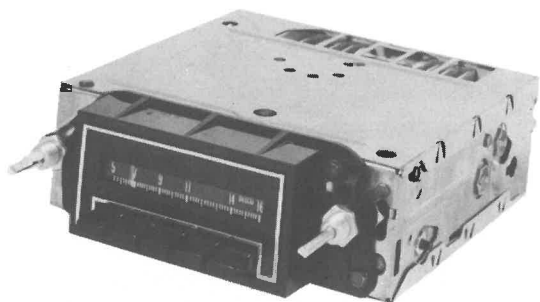




PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index



MODELS: 41APB1 (7933641)
 41APBK1 (7935201)
 (74 Astra, Chevelle,
 Monte Carlo, Truck, Vega)
 41BPB1 (7314201)
 (74 Chevrolet)
 41BPBK1 (7933291)
 (74 Chevrolet, GM Motor Home)

ALIGNMENT INSTRUCTIONS

Check for specified source voltage
 Use only enough generator output
 to provide a usable indication.
 Suggested Alignment Tools:

T1, T2GC ELECTRONICS #9440
 C1, C2, C3GC ELECTRONICS #8290, 8868, 9087

PUSH-BUTTON ADJUSTMENT

1. Pull button out.
2. Tune manually to desired station.
3. Press button in firmly.
4. Repeat for remaining buttons.

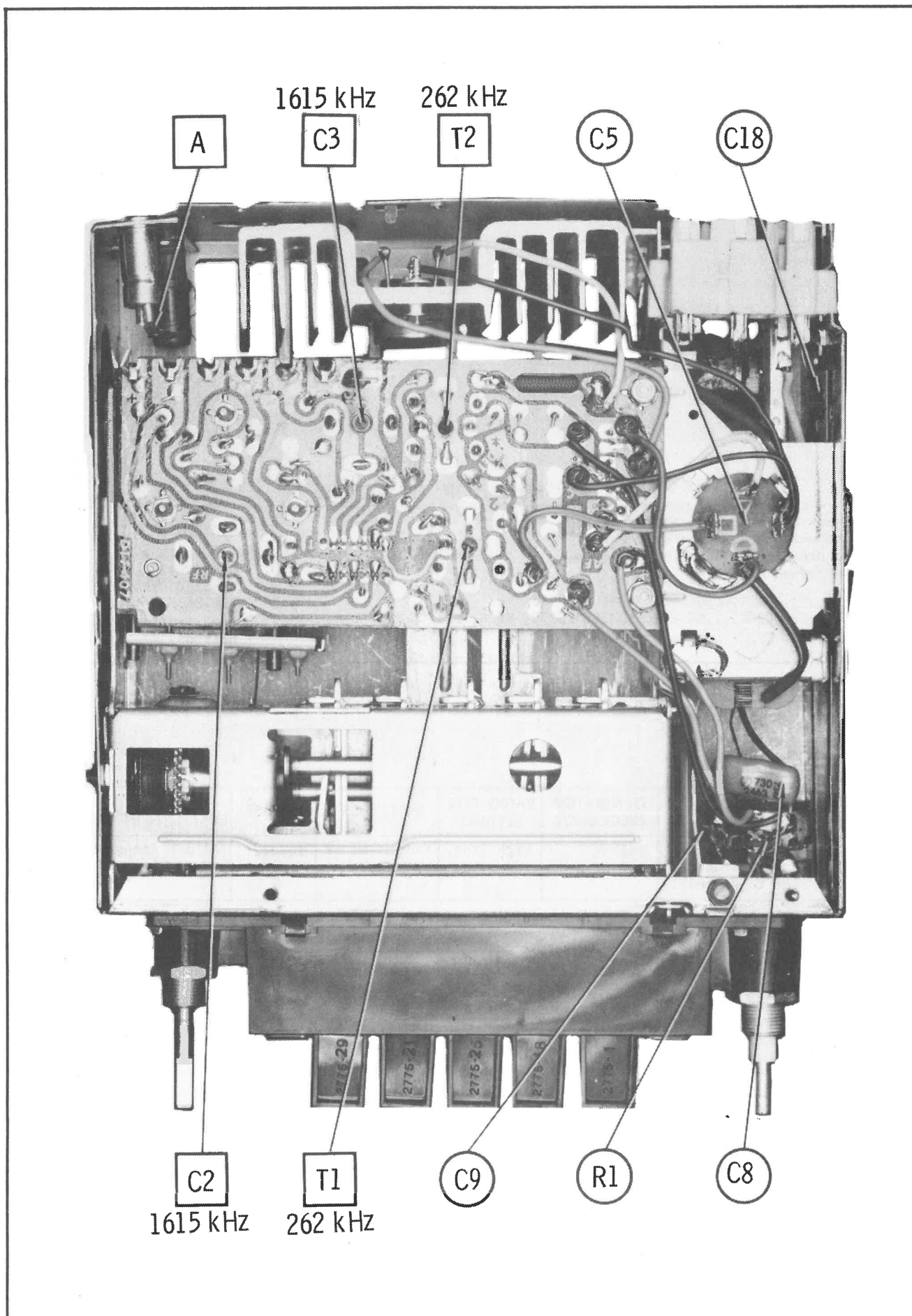
GENERATOR COUPLING	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
High side thru .1mfd to point A low side to ground.	262kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T1, T2	Adjust for maximum.
Check setting of oscillator coil core (L2c) Rear of core should be 1 3/8" from mounting end of coil form.					
High side thru 82pf to antenna input, low side to ground.	1615kHz	High freq. end stop.	Output meter across voice coil.	C1, C2, C3	Adjust for maximum.
"	600kHz	600-kHz signal	"	L2a, L2b	Adjust for maximum. Repeat alignment.
With radio installed in car and antenna extended to desired height, tune in a weak station near 1400kHz and adjust C1 for maximum output. Antenna adjustment C1 is located on Front behind Fader & Tuning Knobs.					

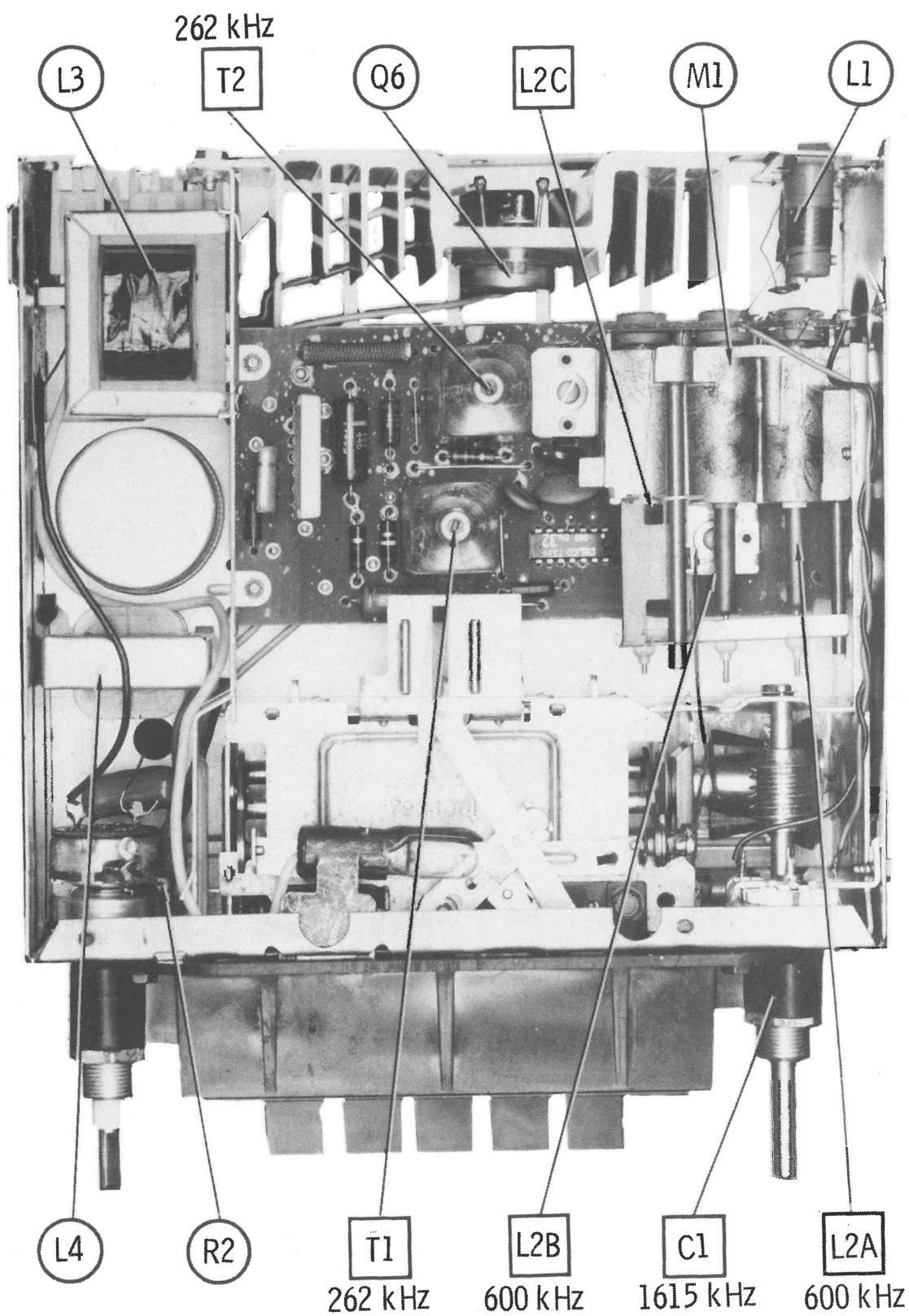
CHEVROLET MODELS 41APB1/BK1, 41BPB1/BK1

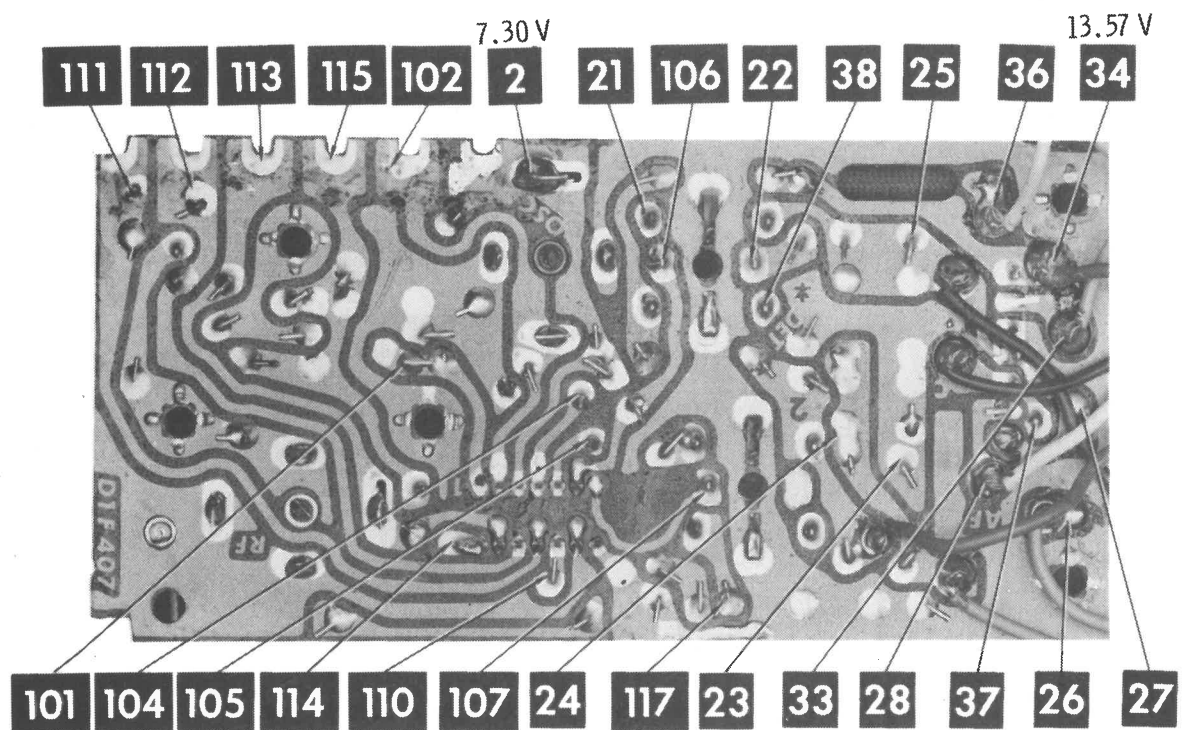
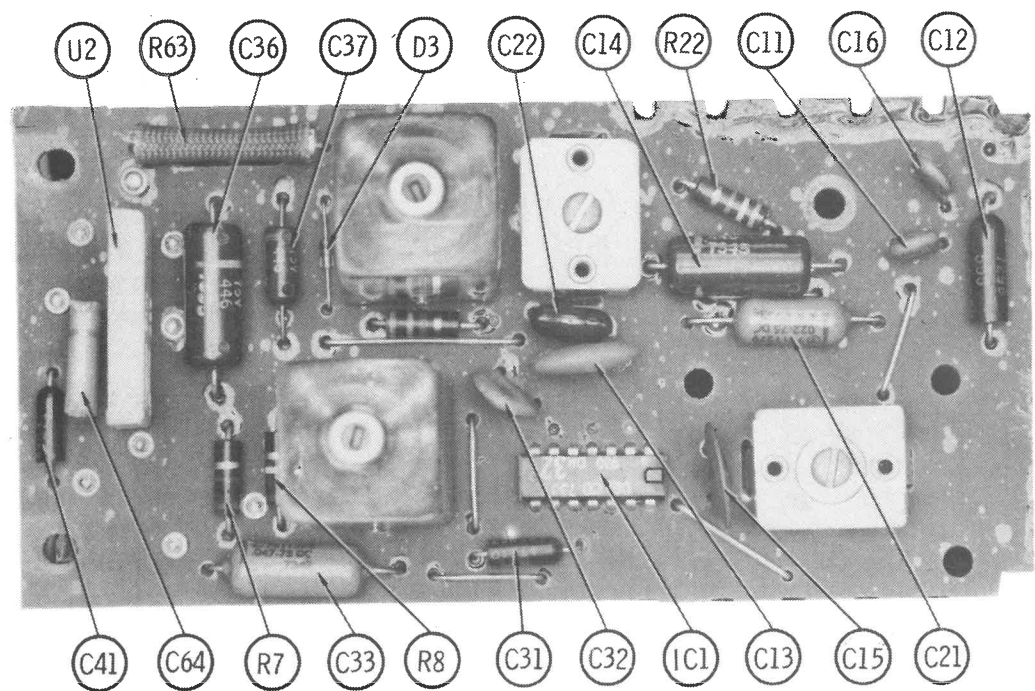
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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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.

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. 8661 (3/8 In.) or 8670 (3/4 In.)

MODULES/PLUG-IN BOARDS

ITEM No.	PART NAME	MFGR. PART No.	NOTES
U2	AF Amp	DM-29	

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D3	DS97	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
Q6	DS501 (1)	GE-4	TR-03	PTC106	HEP233	SK3012		ECG 105
U1	DS503 (1)	GE-25	TR-01	PTC105	HEP232	SK3009	RT124	ECG 104
	DM-32							ECG 744

(1) Used in some versions.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFGR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C5a	800 16 V	7935957 (1)			DD0009A		TVL-4206.5
b	400 16 V						
c	250 2 V						
d	15 11.5 V rms	7935991 (2)			DD0009.5A		TVL-4206.3
	800 16 V						
	400 16 V						
	250 2 V						
	4 11.5 V rms						
C12	30 6 V	7296313	ME-2-B-030	EA6-25	WBR35-50	MTA30D15	TVA-1129.92
C31	3 12 V	7296348	ME-1-E-003	EA15-5	WBR5-50	MTA3D50	TVA-1142
C41	3 12 V	7296348	ME-1-E-003	EA15-5	WBR5-50	MTA3D50	TVA-1142

(1) Used in Models with DS-501 Transistor Output.

(2) Used in Models with DS-503 Transistor Output.

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENC0 PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1		7934786					
C2		7287935					
C3		7282165					
		9344489 (1)					
C8-	.047 75 V		4DP-3-473		DPMS6S47	EW4147	4PS-S47
C9-	.1			CK-104		TA010	TG-P10
C11	1.5 NPO			DTZ-1R5	NP01P5	CN0515	10TCC-V15
C13	.15			CK-104		TA010	TG-P10
C14	.0033 75 V		6DP-1-332		DMF6D33	EW46233	6PS-D33
C15	200 N750		CCTN-201	DTN-200	CN7320	10TCU-T20	10TCC-T20
C16	270	(2)	CCD-270	DD-271	GP270	GP327	10TS-T27
C18		7271564					
C21	.022 75 V		1DP-1-223		DPMS6S22	EW41A122	225P22391WD3
C22	270	(2)	DM-19-271J	CPR-270J	CD15FD271J03	SX327	424ME2700J501
C32	56 NPO					CN0456	10TCC-Q56
C33-	.047 75 V		4DP-3-473		DPMS6S47	EW4147	4PS-S47
C36	.0047 75 V		6DP-1-472		DMS6D47	EW46247	6PS-D47
C37	.0082 75 V		1MD-1-822	CPR-8200J	DPMS6D82	EW41A282	1PB-D82
C64	.015 75 V	(3)	1DP-1-153	DD-153	DPMS6S15	EW41A115	225P15391WD3

(1) Used when C22 is omitted.

(2) Not used in some versions.

(3) Used in Models with DS-503 Transistor Output.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1a	Tone	100 K	9341264	F1-100K,		QJ-2779A or	P15L, 4138, SH41,
b	Volume/Switch	20 K Tap @ 4.5 K		R14-25K, FFS113, RFS206, BB106, SB004, KR-4		[BU8(1), CF93, SF3, CR52, SR40, GC]*	RU253T53, OX1687, IS2250, US41
R139	Fader	100 2 W	9343404 (2)				
	Fader	100 2 W	7934061 (3)				
	Fader	100 2 W	7933011 (4)				

**SNAPTROL®

(1) Alter bushing to meet requirements.

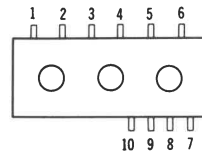
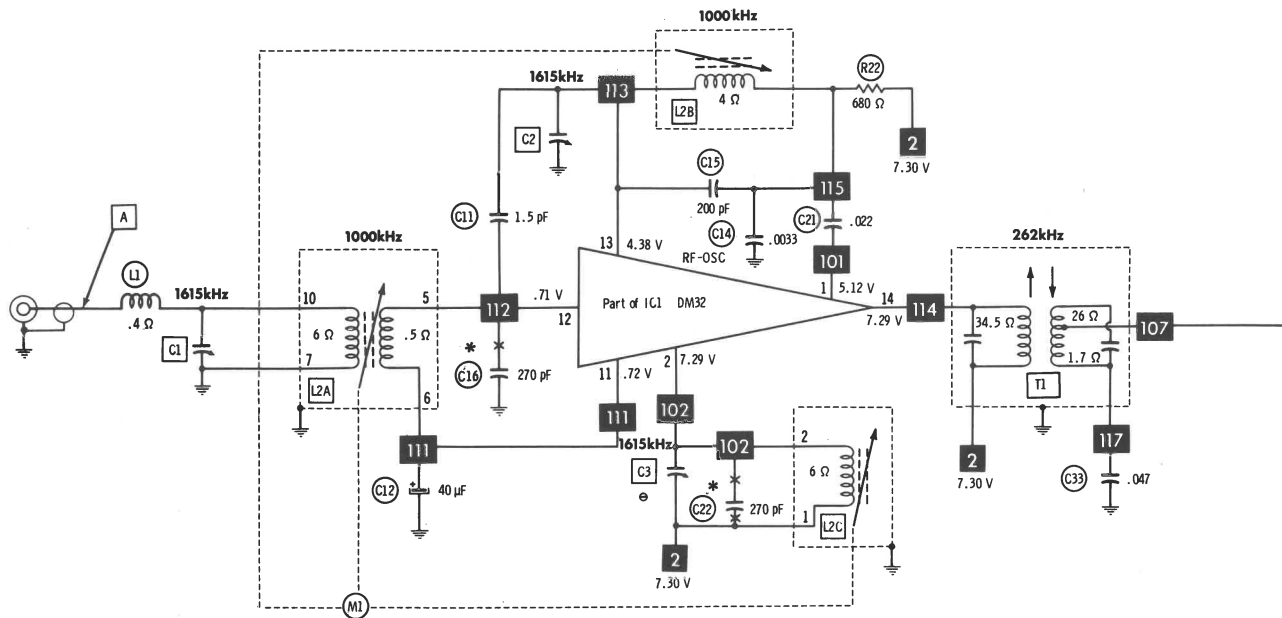
(2) Used in Models 41BPBK1 (7933291), 41APBK1 (7935201) 1974 Chevrolet, Motor Home, Chevelle, Monte Carlo, Astra, Vega, & Truck.

(3) Used in Model 41BPB1 (7314201) Chevrolet.

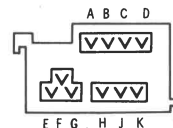
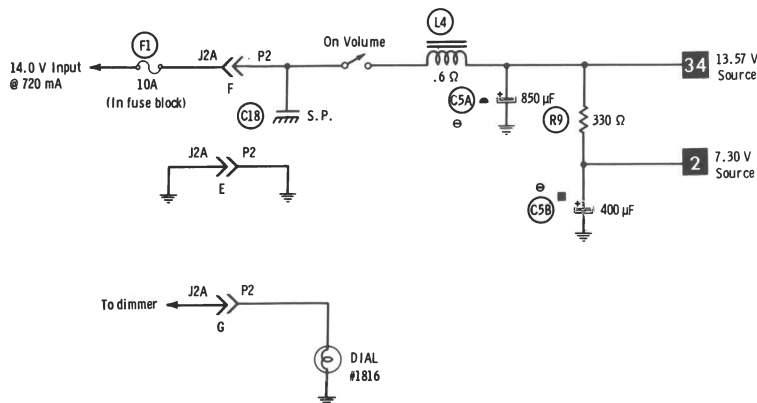
(4) Used in Model 41APBK1 (7935201) Chevelle, Monte Carlo, Vega & Astra.

(CONTINUED ON PAGE 84)

CHEVROLET MODELS 41APB1/BK1, 41BPB1/BK1



M1 Terminal Guide



P2 Terminal Guide

Denotes chassis
 Denotes ground. (Voltage reference unless otherwise indicated).
 Indicates connection used in some versions.
 Indicates connection not used in some versions.
 * Omitted in some versions.
 See parts list.
 Values shown in () are used in some applications.
 Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
 Supply voltage maintained at rated value for measurements.
 Voltage and resistance measured with VTVM or equivalent meter,
 no signal applied and controls adjusted for normal operation.
 Arrow on control indicates direction of advance.
 Numbers assigned to terminals may not be found on the unit.
 Transistor resistances vary widely. No resistance measurements taken.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
with CIRCUITRACE

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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.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.			WORKMAN PART No.	MFGR. PART No.
R63	.47 (Fusible)	WM47	7281890 (1)		.68 (Fusible)	WM68	7287480 (2)

(1) Used in Models with DS501 Transistor Output.

(2) Used in Models with DS503 Transistor Output.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				REMARKS
		PART No.	MEISSNER PART No.	MILLER PART No.		
L1	RF Choke	7932356		4609		(1) Part of M1
L2a	RF	(1)				
b	Ant	(1)				
c	Osc	(1)				
T1	Input IF	1221856	16-6704	6542		
T2	Output IF	7938937				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L4	720 mA	.6	8 mH	1221623	TC2	TR-154	TY17XT	

CHOKE (Audio Output)

ITEM No.	INDUCTANCE	REPLACEMENT DATA				NOTES
		MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L3	30 mH	1222297				Used in Models with DS501 Transistor Output

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L3	12 Tap @	10	7304511				Used in Models with DS503 Transistor Output.

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				MFGR. PART No.	QUAM PART No.	
SP1	6" x 9"	PM	10 ohms	7933362	69A2Z10	Front: Chevrolet, Chevelle, Monte Carlo Front: Vega, Astra Rear: Sedans Rear: Station wagons
	4" x 10"	PM	10 ohms	7930571		
SP2	6" x 9"	PM	10 ohms	7937455	69A2Z10	
	4" x 10"	PM	10 ohms	7933542	410A2Z10	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	AGC 10		In Fuse Block	AGC 10		311010	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Tuning Coil Assy.	7312805	

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Escutcheon	7930921	Knob Package (Chevrolet & Truck)	1223366
Dial Glass	7932632	Knob Package (Chevelle, Monte Carlo, Vega, Astra)	9341090
Dial Pointer	7930919	Knob, Package (Motor Home)	9343875
Push Button	7312775		