

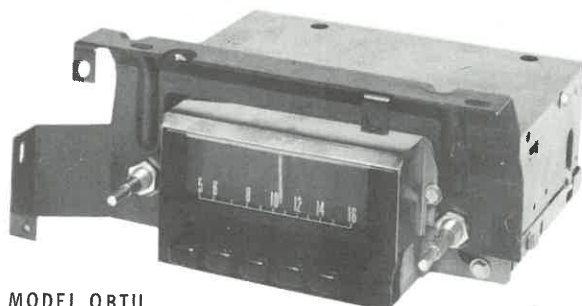


PHOTOFACT® with

CIRCUITRACE®

For Supplier Address See PHOTOFACT Index

NOTE: Manufacturer Part Numbers Shown Are BENDIX



MODEL OBTU

FORD MODELS OBTM
(DOTJ-18806)
OBTP
(DOTA-18806)
OBTPL
(DOHA-18806)
(70 Ford Truck)
OBTU
(DOUA-18806)
(70 Ford Econoline)

ALIGNMENT INSTRUCTIONS

FORD MODELS OBTM/TP/PL/TU

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

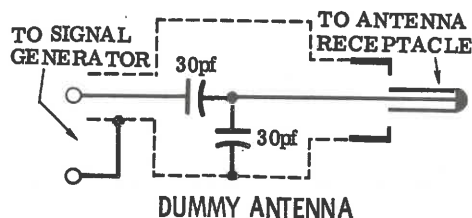
A1 thru A7GENERAL CEMENT #9440
WALSCO #2501

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
1.	High side thru .1mfd to point A , low side to ground.	262.5KC 400 cycle modulation	High freq. end stop.	Output meter across voice coil.	A1,A2, A3,A4	Adjust for maximum.
2.	Thru dummy antenna to antenna input.	1610KC	"	"	A5,A6, A7	"
Step 3 is not necessary unless tuner or associated components have been disturbed. 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 input.	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

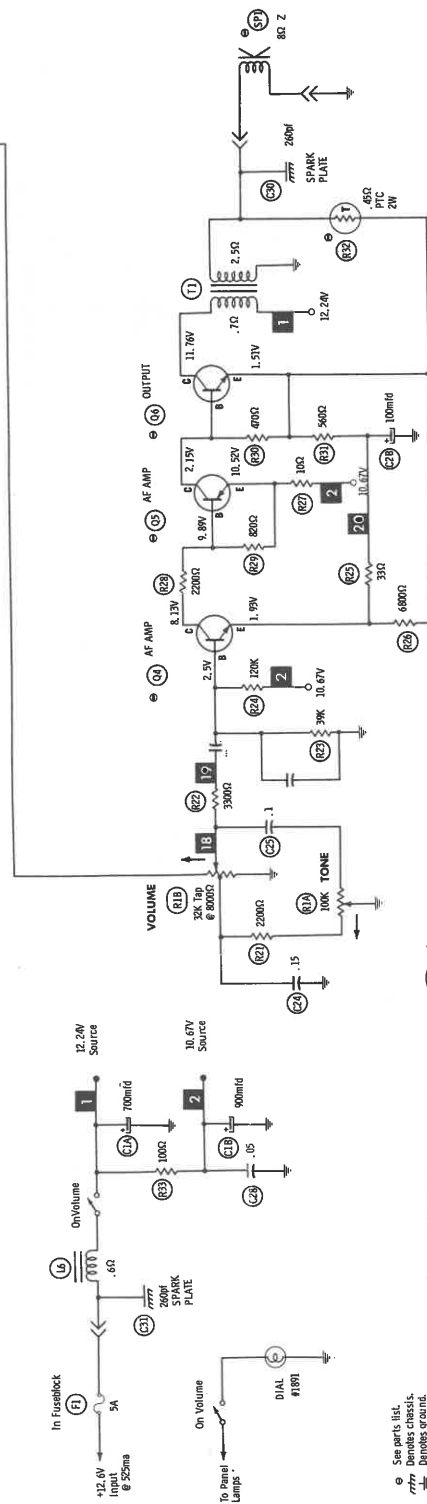
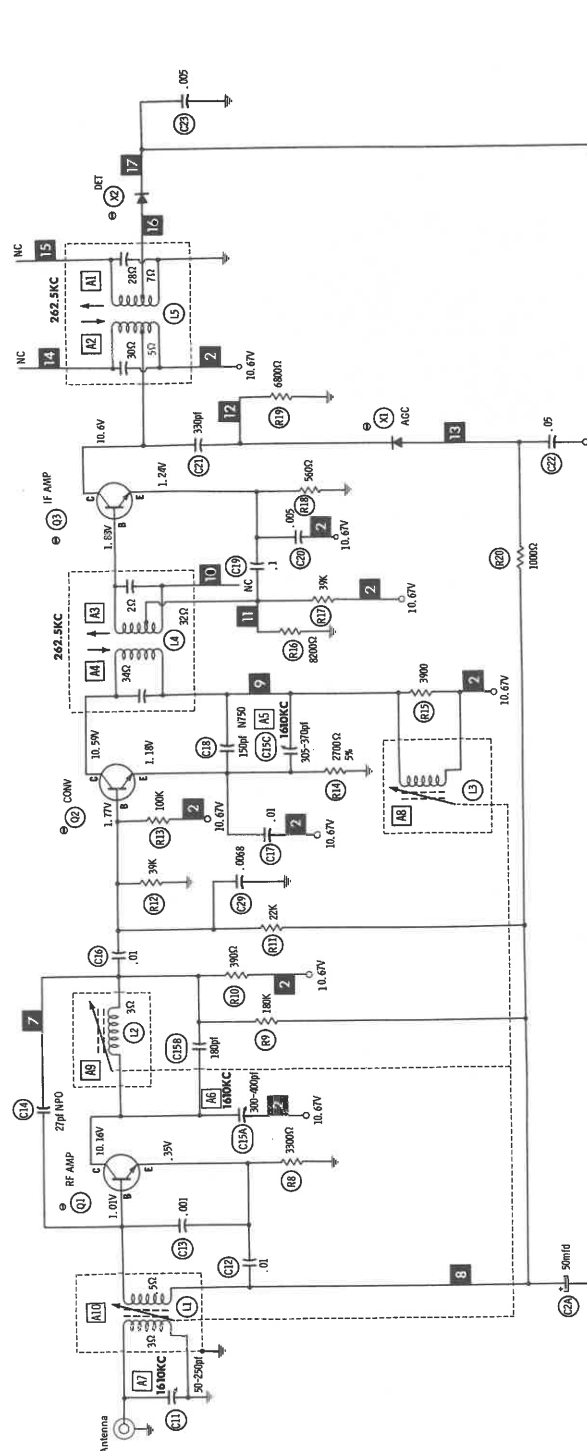
With radio installed in car and antenna extended to desired height, tune in a weak station near 1400KC and adjust A7 for maximum output. Antenna adjustment (A7) is located behind Tuning & Dummy Knob.



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

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TD765

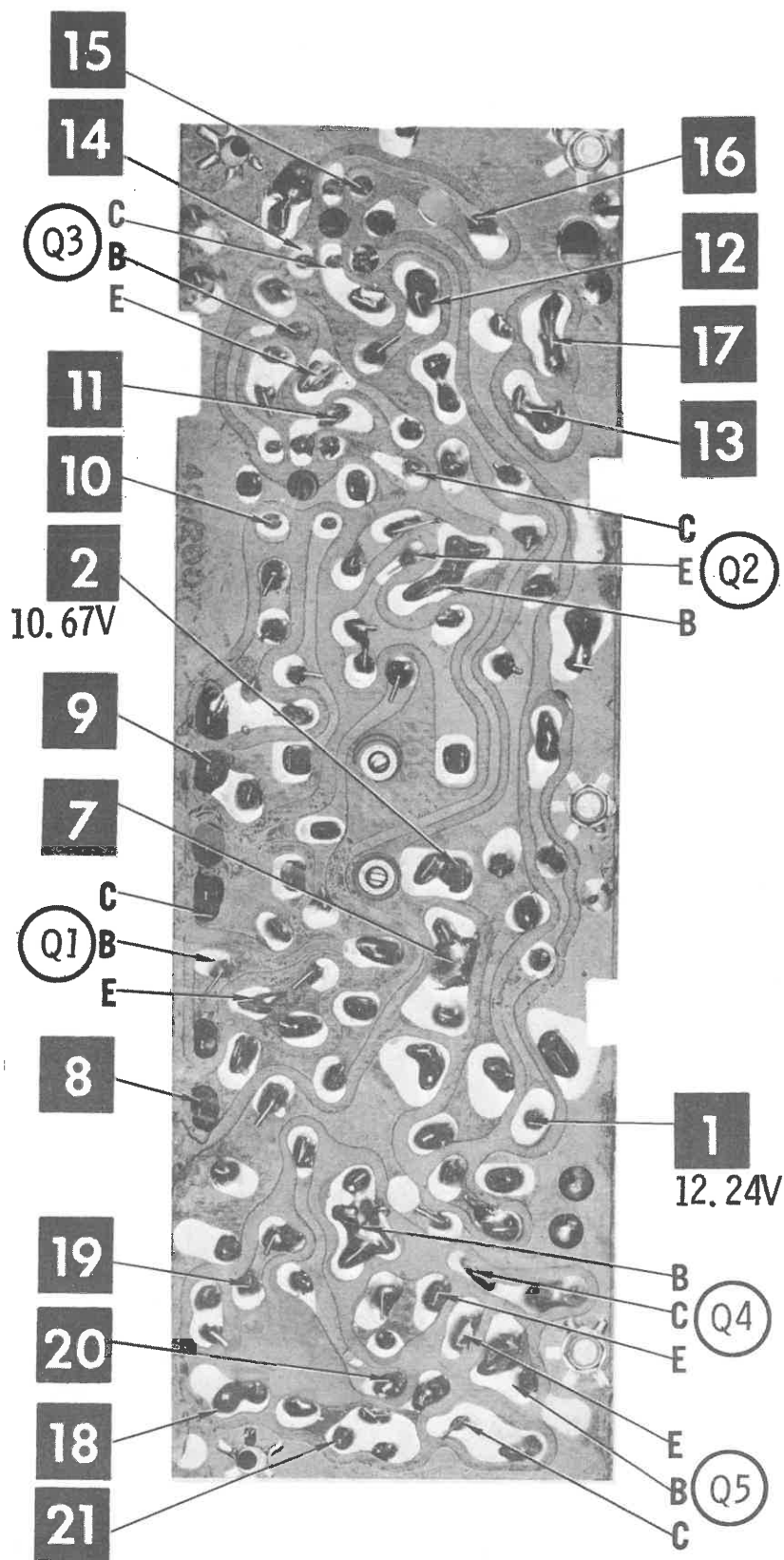


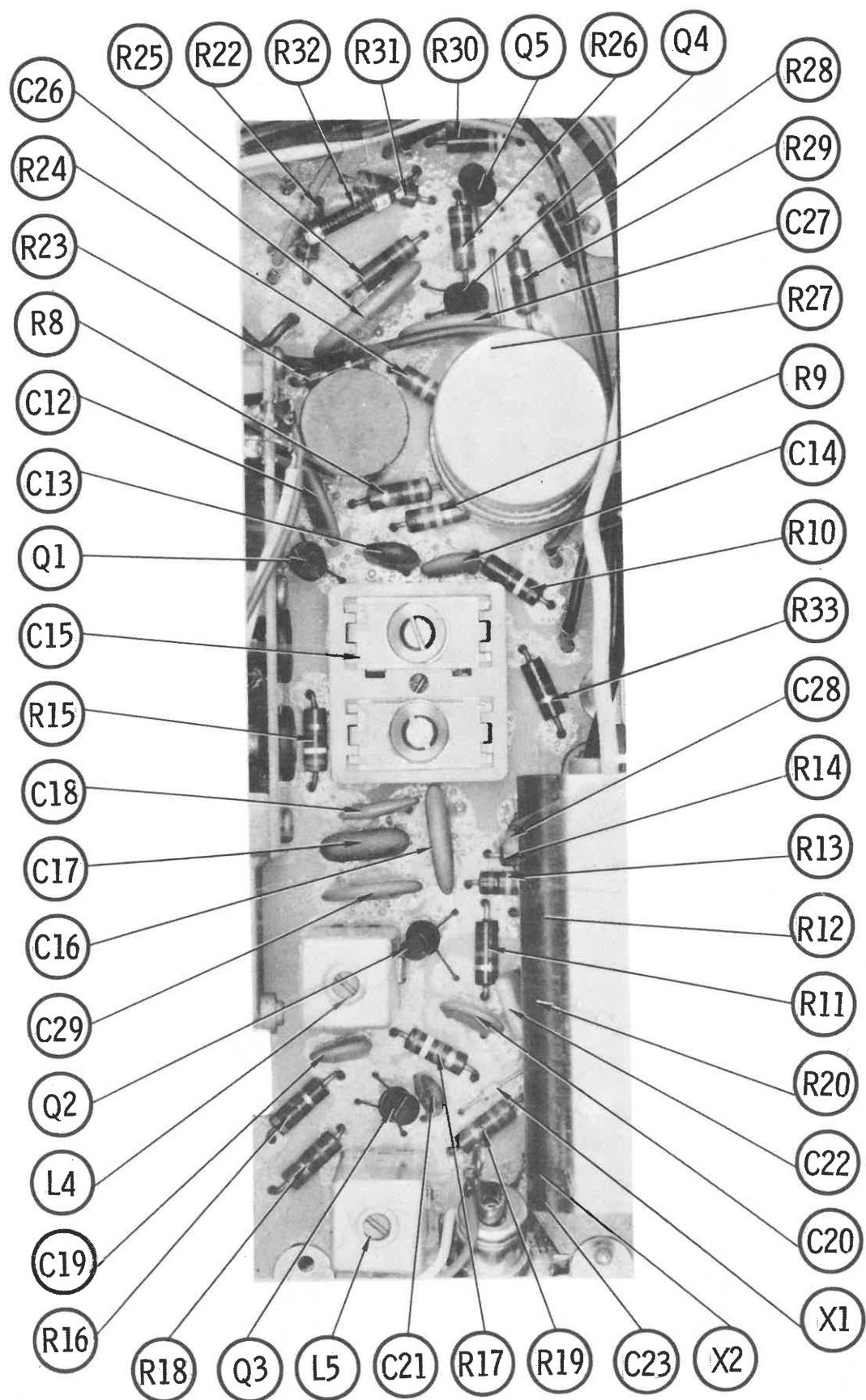
See parts list.
Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
Supply voltage maintained at rated value for measurements.
Voltage and resistance measurements taken with power disconnected.
Controls moved from actuator end. Arrow indicates clockwise rotation.
Numbers assigned to terminals may not be found on the unit.
Transistor resistances vary widely. No resistance measurements taken.

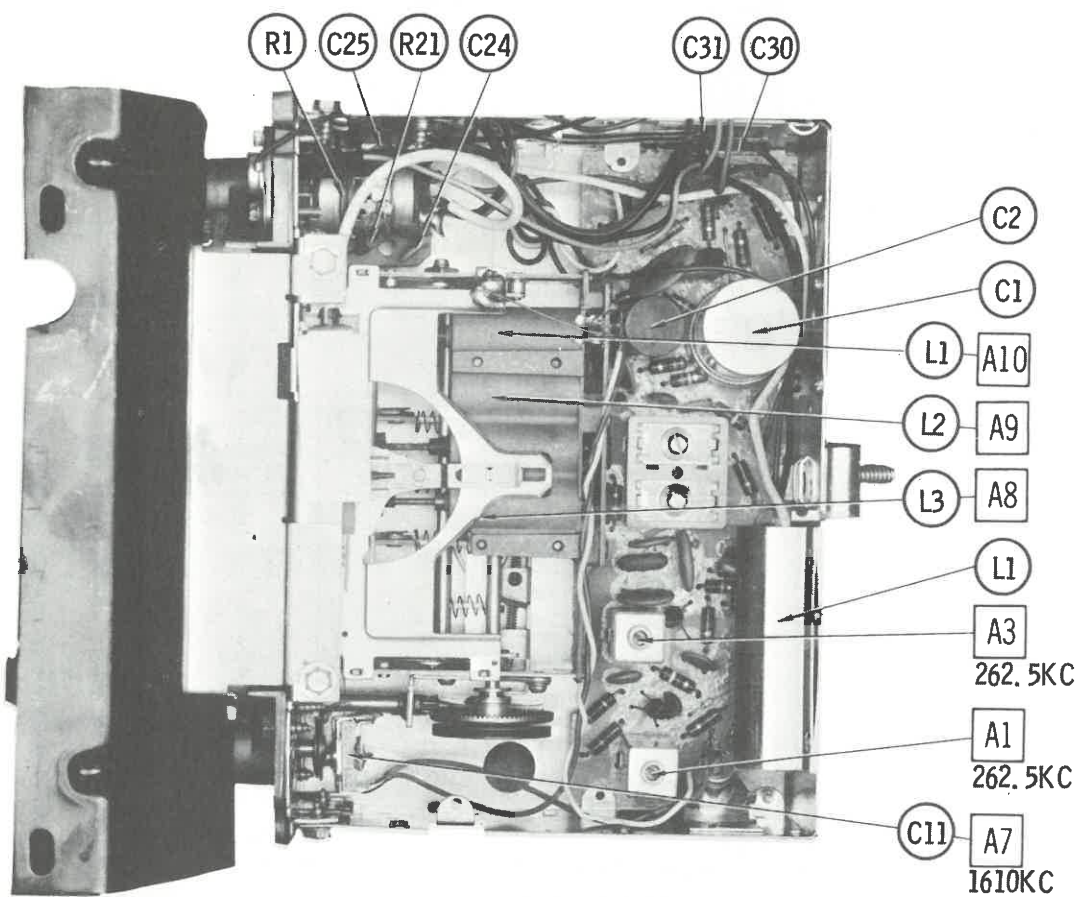
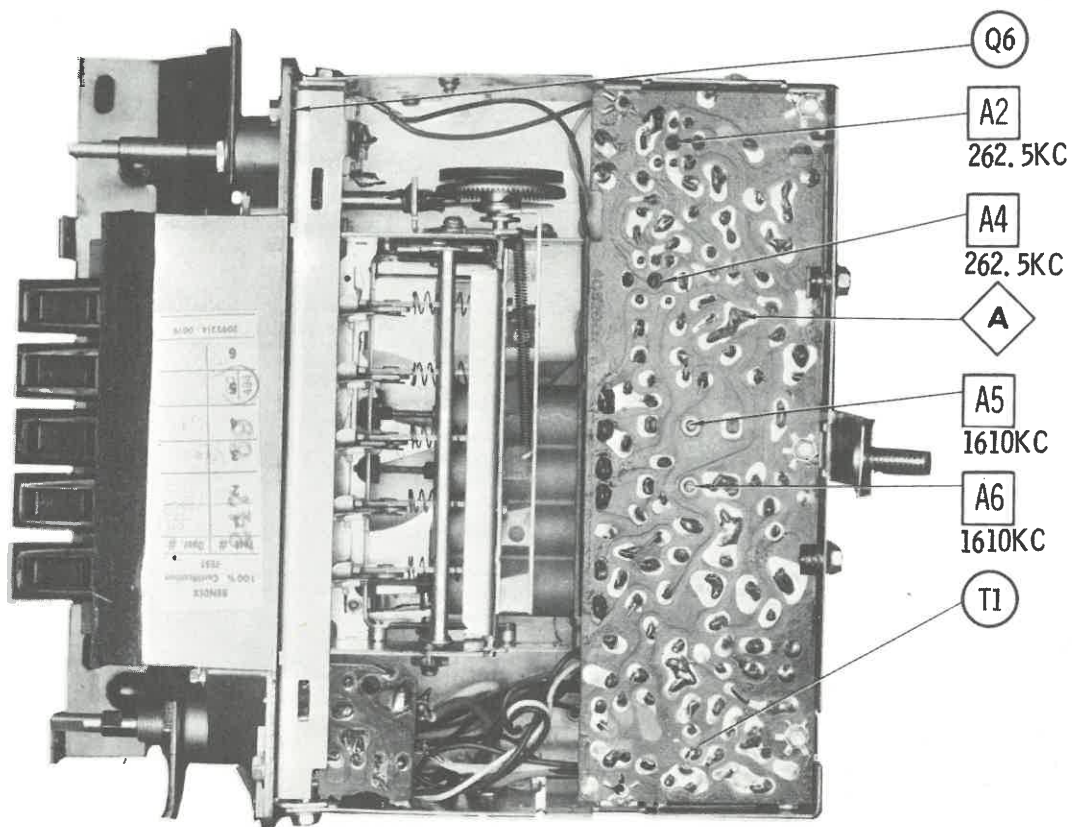
A PHOTOFACT STANDARD NOTATION SCHEMATIC
with **ENCLOSURE**

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FORD MODELS 88TM/TP/TPL/TU







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.)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1		RF Amp	2093308-0704	GE-20	TR-21	HEP54	SK3018	ECG 107
Q2		Converter	2093308-0705	GE-20	TR-21	HEP54	SK3018	ECG 107
Q3		IF Amp	2093308-0706	GE-20	TR-21	HEP54	SK3018	ECG 107
Q4		AF Amp	2092609-0721	GE-10	TR-21	HEP54	SK3020	ECG 123
Q5		AF Amp	2057013-0702	GE-21	TR-19	HEP51	SK3025	ECG 129
Q6		Output *	4080838-0001 4080866-0001 (1)	GE-23	TR-23	HEP703	SK3026	ECG 152

* When replacing, apply silicone grease to both sides of insulator. Tighten mounting screws securely.

(1) Alter Part Number.

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT RECTIFIERS & DIODES			REPLACEMENT RECTIFIERS	NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.	RCA PART No.	
X1	2092055-0708	1N82A	1N82A	ECG 112		
X2	2092055-0001	1N34AS	1N34AS	ECG 109		

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	700 16V	2092983-0014	PWH2-02-65		BB004A			PCL-2185.1
B	900 16V							
C2A	50 4V	2092246-0011						
B	1000 4V							

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.
C11	50-250	#2093466-0705	GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C12	.01		GPD X5F102K	DM-102	GP1000	CCD-102	SM210	2SS-D10
C13	.001			TCZ-27	NP027	CCT0-270	CN0427	10TCC-Q27
C14	27 NPD							
C15A	300-400	#219092-0041						
B	180							
C	305-370							
C16	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C17	.01 75V		V1612S1	CPR-10000J	DPMS6S1	1DP-1-103	PVC211	225P10391WD3
C18	150 N750		N750-DI 150	DTN-150	N150	CCTN-151	CN7315	10TCU-T15
C19	.1		TTP-1	CK-104			TA010	TG-P10
C20	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C21	330		GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33
C22	.05 75V		DBE6S5		DPMS6S5	6DP-3-503	PVC615	6PS-S50
C23	.005		TTP-005	CK-502	MGP005	CCD-502	TA250	TG-D50
C24	.15		TTP-1	CK-104			TA010	TG-P10
C25	.1		TTP-1	CK-104			TA010	TG-P10
C26	.47			UK10-474				HY-380
C27	.0068		GPD X5R682K	DD-682	DPMS6S5	CCD-682	JF268	10TS-D68
C28	.05 75V		DBE6S5			6DP-3-503	PVC615	6PS-S50
C29	.0068		GPD X5R682K	DD-682		CCD-682	JF268	10TS-D68
C30	260	#2093050-0710						
C31	260	#2093050-0710						

Bendix Part Number

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.

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
R1A B	Tone Volume/Switch	100K 32K Tap @ 8000	2056738- 0705 (1)				P15L, 3158, SH3500, SH3625, RU44T14, OX1937, IS2437, US42
A B	Tone Volume/Switch	100K 32K Tap @ 8000	2056738- 0702 (2)				P15L, 3258, SH3500, SH3625, RU44T14, OX2750, IS3187, US41
A B	Tone Volume/Switch	100K 32K Tap @ 8000	2056738- 0708 (3)				

(1) Used in Model OBTU. (2) Used in Model OBTL. (3) Used in Models OBTM & OBTP.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R32	.45 2W (PTC)		2090948-0732

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1 L2 L3 L4 L5	Antenna RF Osc Input IF Output IF	(1) (1) (1) 2094080-0711 2094080-0712		8006 (2) 8006	

(1) Part of M.I. (2) Cut off Pin #5.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L6	525ma	.6	1.7mh	2092050-0736					

FORD MODELS OBIM/TP/TPL/TU

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.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	16	8	2057317-0703					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		PART No.	QUAM PART No.	
SP1	5" x 7" PM 8 ohms 5" x 7" PM 8 ohms 4" x 11" PM 8 ohms	2056901-0701 4082547-0001 4080108-0004	57AZ8	Model OBTM, OBTP Model OBTPPL Model OBTPU

FUSE DEVICES

ITEM No.		DESCRIPTION	REPLACEMENT DATA						
			PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
			DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	AGA 5	2091811-0009	In Fuse BLock	AGA5		301005			

MISCELLANECUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Tuner Coil Assembly Tuner Coil Assembly Tuner Tuner Coil Assembly	2094851-0516 2090131-0108 2094851-0539 2090131-0108 2094851-0540 4082336-0003 2090131-0118	(TRW Early Production) (TRW Early Production) (TRW Late Production) (TRW Late Production) (GIC) (GIC used in Model OBTM only)

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

ITEM	PART No.	ITEM	PART No.
Escutcheon	4080033-0002	Knob, Tuning or Volume, Model OBTP	4080109-0701
Dial Glass, Model OBTP	2057468-0004	Knob, Tone or Dummy, Models OBTP, OBTP	4080045-0701
Dial Glass, Models OBTP, OBTP	2057468-0003	Knob, Tone or Dummy, Models OBTPPL, OBTP	4080110-0701
Dial Glass, Model OBTPPL	4082005-0001	Dial Pointer (TRW)	2090129-0114
Knob, Tuning or Volume, Models OBTP, OBTP	4080046-0701	Dial Pointer (GIC)	2090129-0119
Knob, Tuning or Volume, Model OBTPPL	4082549-0001	Push Button	2057410-0001