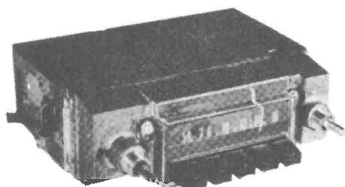


# PHOTOFACT<sup>®</sup> with

# CIRCUITRACE<sup>®</sup>

For Supplier Address See PHOTOFACT Index  
NOTE: Manufacturer Part Numbers Shown Are MOTOROLA



MODEL 1HA1918 (244766-R91) (71 Truck)

## ALIGNMENT INSTRUCTIONS

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

GC ELECTRONICS

A1 thru A4 .....#9296,9297,9300

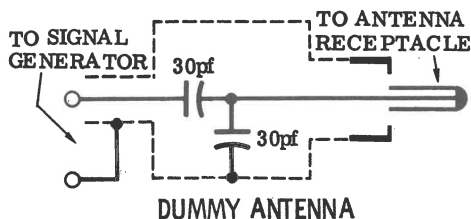
A5, A6, A7 .....#8290,8868,9087

### 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
1.	High side thru .lmfd to point $\Delta$ , low side to ground.	262KC 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.	1615KC	"	"	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

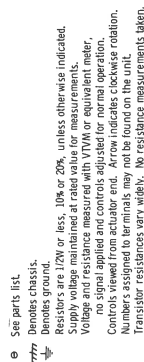
With radio installed in car and antenna extended to desired height, tune in a weak station near 1400KC and adjust A7 for maximum output. Antenna adjustment (A7) is located right rear center below Antenna Input.



INTERNATIONAL HARVESTER MODEL 1HA1918

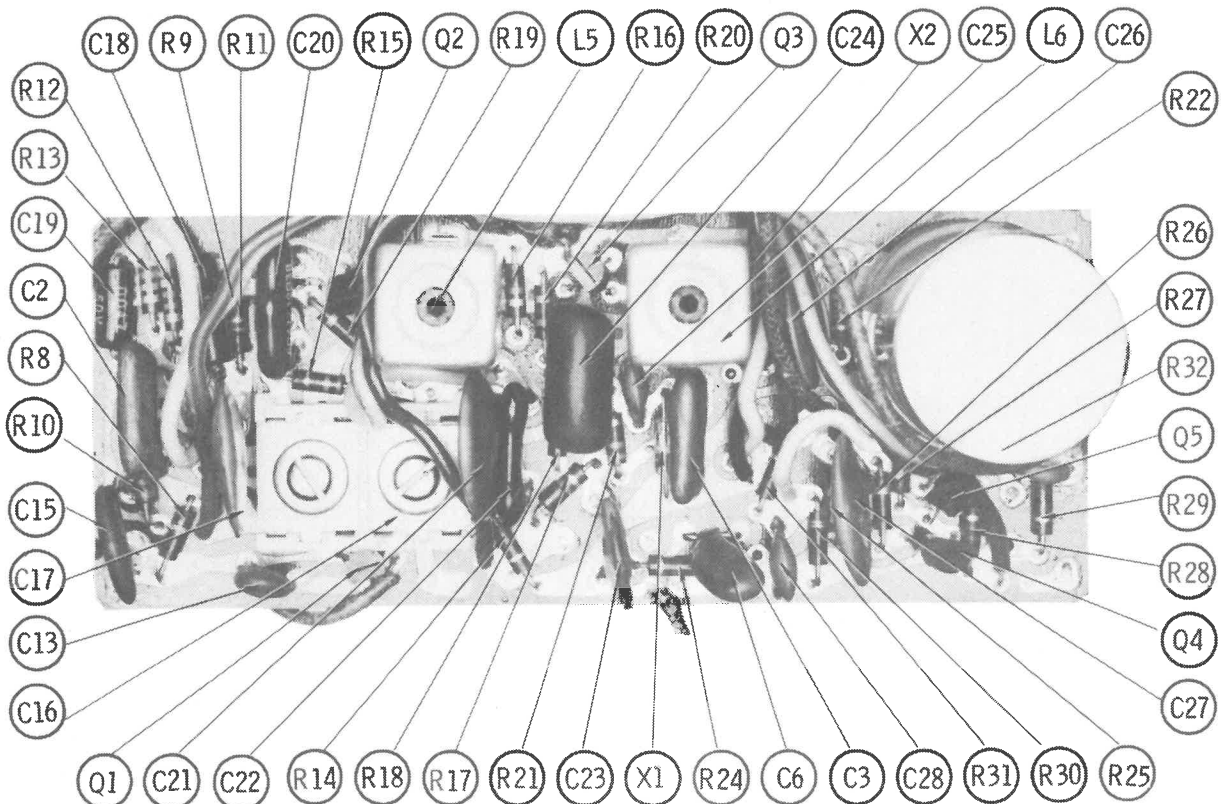
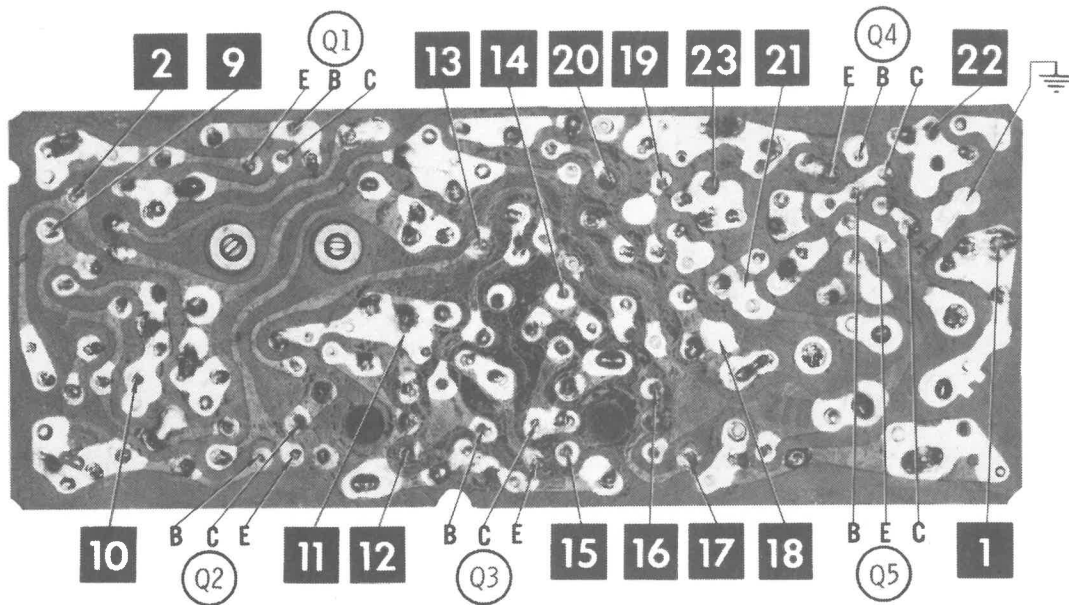
**HOWARD W. SAMS & CO., INC.** Indianapolis, Indiana 46206

© 1972 Howard W. Sams & Co., Inc. Printed in U. S. of America 2AG227R



A PHOTOFACT STANDARD NOTATION SCHEMATIC

with **ENSOULTRACE**  
© Howard W. Sams & Co., Inc. 1972



INTERNATIONAL HARVESTER MODEL 1HA1918

## 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.)

### SEMICONDUCTORS

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA					
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SYLVANIA PART No.	MOTOROLA PART No.
Q1	25B	48-134805	GE-17	TR-21	PTC121	SK3018	ECG 108	HEP723
Q2	25A	48-134804	GE-17	TR-21	PTC121	SK3018	ECG 108	HEP722
Q3	24B	48-134807	GE-17	TR-21	PTC121	SK3018	ECG 108	HEP725
Q4	54B	48-134810	GE-20	TR-21	PTC121	SK3020	ECG 123A	HEP725
Q5	54C	48-134810	GE-20	TR-21	PTC121	SK3020	ECG 123A	HEP725
Q6	2N176	48-134747	GE-3	TR-01	PTC114	SK3009	ECG 104	HEP623
X1	1N139	48-134587	1N295	1N295	PTC206	SK3087	ECG 109	
X2	1N139	48-134587	1N295	1N295	PTC206	SK3087	ECG 109	

### ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		MFR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1a	500 16V	23C40302A04			CC0018A	XC3-48	PFP300.18	PCL-3026.11
b	500 16V							
c	100 16V							
C2	10 6V	23C43280A03	ME-1-B-010	EA6-10	WBR10-25	MT1-5	MTA10D35	TVA-1099.87
C3	10 6V	23C43280A03	ME-1-B-010	EA6-10	WBR10-25	MT1-5	MTA10D35	TVA-1099.87
C4	.1 15V	23C43280A14		UK10-104			TDC104M050EL	196D104X0035DB
C5	.5 15V	23C43280A25		UK10-474			TDC474M050EL	196D474X0035DB
C6	1 15V	23C43280A17	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	EV-1315

### CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C12	125-350	#20-42282B03	GPD X5F301K	CCD-301	DM-301	GP300	GP330	10TS-T30
C13	330			CCTN-330	DTN-33	N33	CN7433	10TCU-Q33
C14	33 N750		GPD X5R332K	CCD-332	DD-332	GP3300	JF233	2SS-D33
C15	.0033							
C16a	250-400	#20-40254A17						
b	65-200							
C17	180 N330			*			*	10TCS-T18
C18	.01 100V		V1612S1	1DP-1-103	CPR-10000J	DPMS6S1	PVC211	225P10391WD3
C19	.01 100V		V1612S1	1DP-1-103	CPR-10000J	DPMS6S1	PVC211	225P10391WD3
C20	.0033 100V		DBE6D33	6DP-1-332		DMF6D33	PVC6233	6PS-D33
C21	180			*			*	10TCS-T18
C22	180		ADM-15-181	DM-15-181J	CPR-180J	CD15F181J500	SX318	MS-318
C23	.0015		GPD X5F152K	CCD-152	DD-152		GP215	10TS-D15
C24	.1 100V		DBE2P1	1DP-2-104		DPMS2P1	PVC101	225P10491WD3
C25	330		GPD X5F301K	CCD-301	DM-301	GP300	GP330	10TS-T30
C26	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C27	.005		TTP-005	CCD-502	CK-502	MGP005	TA250	TG-D50
C28	22 N150			*			*	10TCP-Q22
C30		#64-563410						
C32		#64-41668A07						

# 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 listed)

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA			
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.
R1a	Tone	20K	18C42302B03	F1-25K, R16-10K FFS100, RFS108, KR-4		* QJ-2749A
b	Volume/Switch	10K Tap @ 5000				P24L, 3014, RU14T53, OX1000A, IS1500A, US41

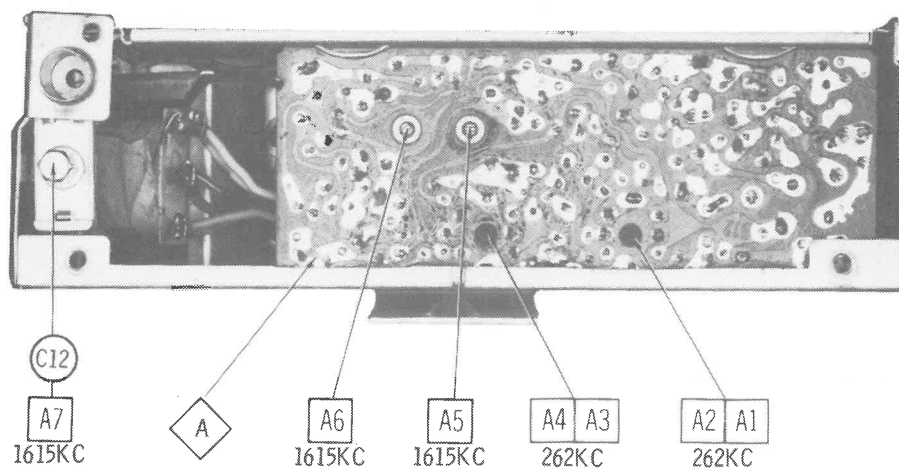
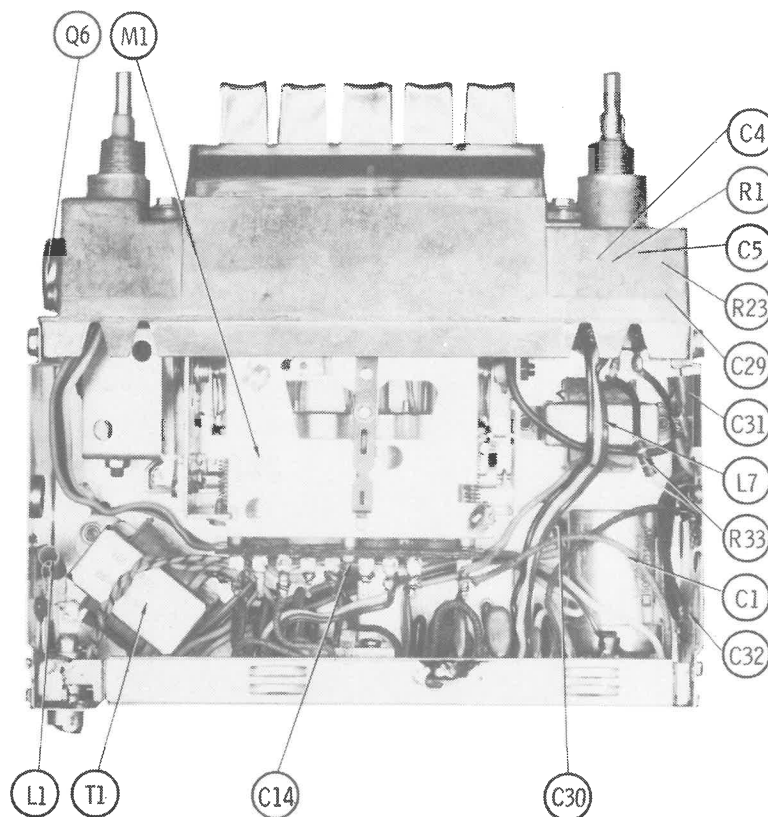
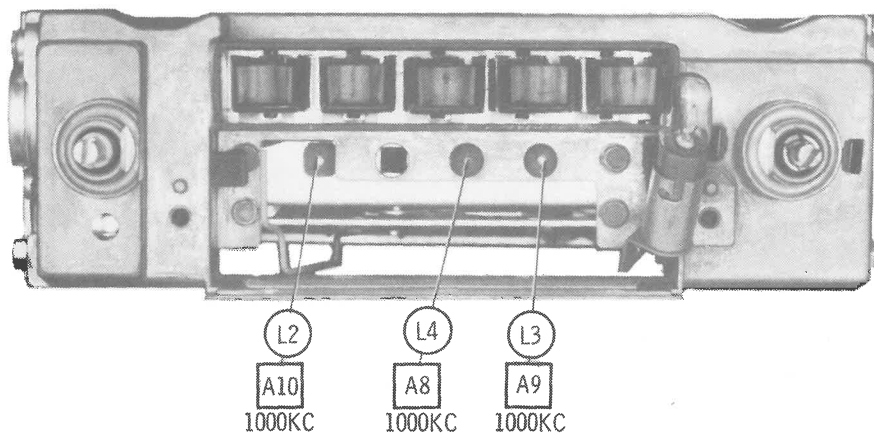
\* "Concentrikrit" Equivalent: K-6 Kit with base elements & shafts: B11-119, P22-100 (Panel)  
B19-116X, R9-115 (Rear)

"Snaptrol" Equivalent: BU3, CF62, CR101TT (1), SF6, SR41, GC.

(1) Disregard 1000 ohms tap.

76-1 (Switch)

(CONTINUED ON PAGE 78)



## 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			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	RF Choke (1.5uh)	24C40788A04	19-1001	4604	T856
L2	Antenna	(1)			
L3	RF	(1)			
L4	Oscillator	(1)			
L5	Input IF	24D40310B19			
L6	Output IF	24D40310B20			

(1) Part of M1.

### 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.	
L7	600ma	.8	22mh	25D40907B03				

### TRANSFORMER (Audio Output)

TRANSFORMER (non-coupl.)								
ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
			MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.						
T1	18 Tap @ 8		25D42705B03					

### SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	4" x 8" PM 8 ohms	50-42932A01		

### 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 Amp	65-122345	9-42401B15	AGA5	HAF	301005	150145		

### MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Tuner Coil Assembly	77-43175A09 1-43200A09	AT-676

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

ITEM	PART No.	ITEM	PART No.
Escutcheon	13-43066A01	Dial Pointer	52-42600A05
Knob, Tuning ro Volume	36-564318	Pushbutton	38-42343A03
Knob, Tone or Dummy	36-565237	Dial Glass	34-43181A10