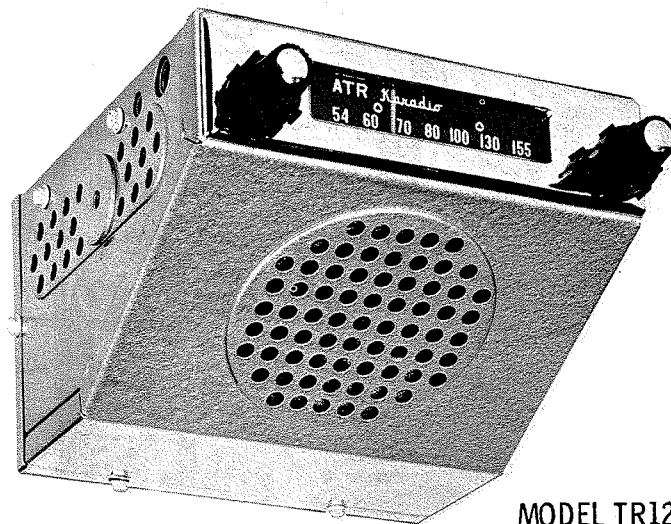


FOLDER 4
SET 484

PHOTOFACT® Folder

ATR MODELS TRI279-6V,
TRI279-12V, 1279-6V, 1279-12V

ATR MODELS TRI279-6V,
TRI279-12V, 1279-6V, 1279-12V



MODEL TRI279-12V

TRADE NAME ATR Models TRI279-6V, 1279-6V (6 volt Operation); TRI279-12V, 1279-12V (12 Volt Versions)
MANUFACTURER American Television & Radio Co., 300 E. Fourth Street, St. Paul 1, Minn.
TYPE SET Battery Operated 6 Tube Universal Type AM Automobile Receiver
POWER SUPPLY Storage Battery RATING 3 Amp. @ 12.6 Volts DC (12 Volt Versions)
6 Amp. @ 6.3 Volts DC (6 Volt Versions)
TUNING RANGE--BROADCAST 535 — 1610KC

ALIGNMENT INSTRUCTIONS

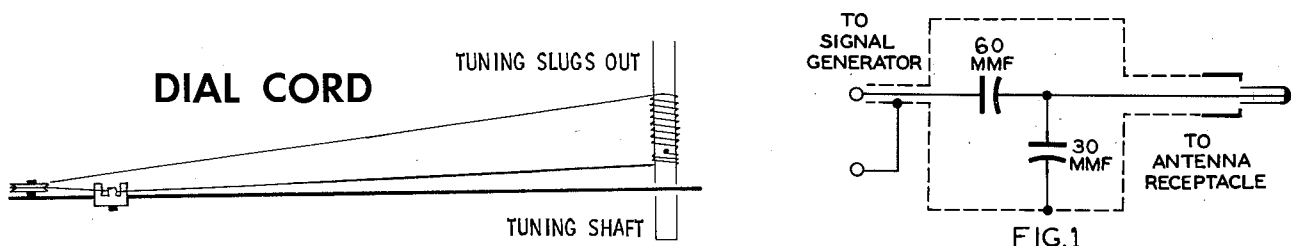
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading.

Suggested alignment tools:

A1 thru A4.....GENERAL CEMENT #8282, 8606, 8606-L, 9295, 9440
WALSCO #2526, 2543, 2544, 2545
A5, A6, A7.....GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9089
WALSCO #2512, 2525, 2528
A8, A9.....GENERAL CEMENT #8271, 8279, 8897, 9050-L, 9150
WALSCO #2521, 2524

SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. High side thru 100mmf to pin 7 (grid) of Converter. Low side to chassis.	455KC (400v Mod.)	High Freq. end Stop.	Across voice coil	A1, A2, A3, A4	Adjust for maximum output.
2. Antenna receptacle thru dummy (Fig. 1).	1610KC	"	"	A5, A6, A7	"
3. "	1400KC	Tune to 1400KC Signal.	"	A8, A9	"
4. With radio installed in car and antenna fully extended, tune in a weak station near 1400KC and adjust A7 for maximum output.					



HOWARD W. SAMs & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of JD666

the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1960 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

ATR MODELS TRI279-6V,
TRI279-12V, 1279-6V, 1279-12V

SET 484 FOLDER 4

DATE 5-60 SET 484 FOLDER 4

PARTS LIST AND DESCRIPTIONS
 TUBES

CBS			GENERAL ELECTRIC			RAYTHEON			SYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	RF Amplifier	12BA6 (6BA6) *	V4	AVC-Detector-AF Amp.	12AV6 (6AV6) *						
V2	Converter	12BE6 (6BE6) *	V5	Output Rectifier	12AQ5 (6AQ5) *						
V3	IF Amplifier	12BA6 (6BA6) *	V6		12X4 (6X4) *						

* Used in 6 volt versions.

ELECTROLYTIC CAPACITORS

RATING		REPLACEMENT DATA									
ITEM No.	CAP.	VOLT.	ATR PART No.	AEROVOX PART No.	CORNELL-DUBILER PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.	NOTES		
C1A	15	350		AFR3-104	CO770	FP328	TMT-98	TVL-3620			
C1B	10	350									
C1C	20	25									

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

RATING		REPLACEMENT DATA									
ITEM No.	CAP.	VOLT.	ATR PART No.	AEROVOX PART No.	CORNELL-DUBILER PART No.	MALLORY PART No.	ELMCO PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES	
C2	100	.0068 200V		1469-0001	TC2-100	22R5T1	CM-19B-101M	MCB235	MS-310		
C3	100	.05 400V		P288N-0068	DD-682	CUB6D88	6DP-1-682	GEM-6268	6TM-D68		
C4	100max.	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503	GEM-415	4TM-55		
C5	100max.	.05 400V					423		4TM-55		
C6	100max.	.05 400V		P488N-05	DD-503	CUB455	4DP-3-503	GEM-415	4TM-55		
C7	4.7	.05 400V		NP50-D1 4.7	TC2-4R7	C10V4TC	CCTN-470	CNO-947	10TCC-47		
C8	4.7	.05 400V			DTN-47	C10Q47U	467	CNT-447	10TCC-47		
C9	47 N750			BPD-002	DD-202	BYALUD2	CCD-202	CP920	5HK-D20		
C10	2000			BPD-01	DD-103	BYALUG1	CCD-103	CP110	5HK-S10		
C11	10000			P668N-01	DD-103	CUB6S1	6DP-2-103	GEM-611	6TM-S1		
C12	10000			P1068N-01	DD-153	CUB6S15	6DP-2-153	GEM-1015	10TM-S15		
C13	.01 600V			P1068N-015	DD-153	CUB6S15	6DP-2-153	GEM-2015	2TM-P5		
C14	.015 1000V		Note 1	P288N-5		CUB2F5	ZDP-5-504	GEM-205	2TM-P5		
C15	.5 100V		Note 2	P288N-5		CUB2F5	ZDP-5-504	GEM-205	2TM-P5		
C16	.5 100V										
C17	.5 100V										

ATR Part Number.

Note 1. 6V Versions use .033mfd. - 1000V in this application.

Note 2. Not used in 6V versions.

CONTROLS

RATING		REPLACEMENT DATA									
ITEM No.	RESISTANCE	WATTS	ATR PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	INSTALLATION NOTES			
R1A	500K			F1-40				Tone Volume			
R1B	500K			R2-46			UE-4099-S	Power Off-On			
R1C	250K Tap Switch			KR-4							

"STA-LOC" equivalent: FA55L, RU55T254, OS750A, IS187, US41.

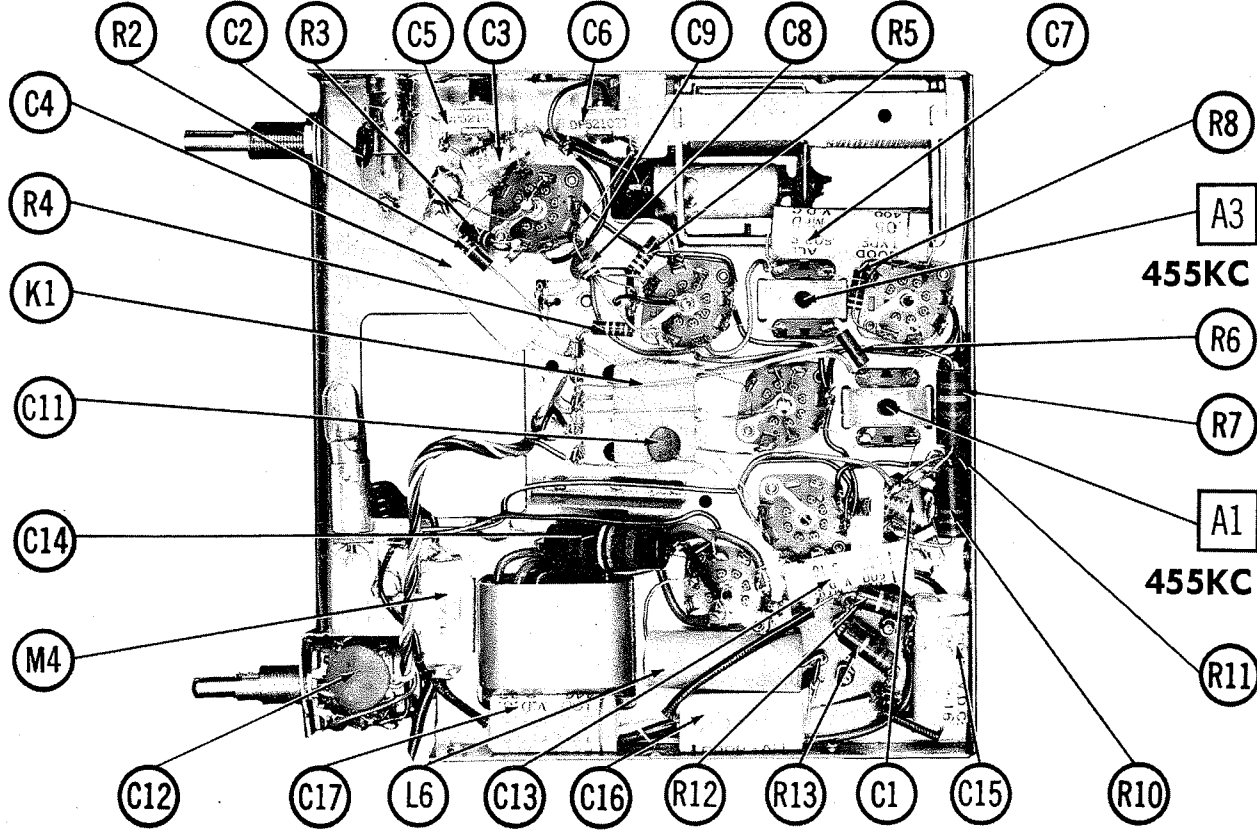
RESISTORS

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

RATING		REPLACEMENT DATA									
ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS	NOTES		
R2	470K		R6	Imeg		R10	22000 2W				
R3	4700		R7	68000 2W		R11	3300 1W				
R4	82K		R8	4700		R12	2200 1W				
R5	47K		R9	22K		R13	2200 1W				

* Used in 6 volt versions.

CHASSIS—BOTTOM VIEW



PARTS LIST AND DESCRIPTIONS (Continued)
 COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	ATR PART No.	REPLACEMENT DATA
K1	Audio Coupling	220mmf, 250mmf, 2000mmf, 5000mmf, 470K, 470K, 6.8meg		Aerovox PA-113-1 Centralab PC-150 Cornell-Dubiler 116TMI Mallory MS-106 Sprague DT-1

COILS (RF-IF)

RATING		REPLACEMENT DATA									
ITEM No.	USE	ATR PART No.	Granger PART No.	Meisner PART No.	Meritt PART No.	Miller PART No.	Rom PART No.	NOTES			
L1	Ant. Coil										
L2	RF Coil										
L3	Osc. Coil										
L4	1st IF Trans.										
L5	2nd IF Trans.										
L6	Hash Choke										
L7	"A" Lead Hash Choke										

TRANSFORMER (POWER)

RATING		REPLACEMENT DATA									
ITEM No.	TYPE	SEC. 1	SEC. 2	ATR PART No.	Holldorfen PART No.	Meritt PART No.	Rom PART No.	Stencor PART No.	Thordorson PART No.	Tried PART No.	NOTES
T1	12 VCT @ 1.6A	540 VCT @ .04UA		①							

① Part #PT1277 used for 6 volt models.

TRANSFORMER (AUDIO OUTPUT)

RATING		REPLACEMENT DATA									
ITEM No.	IMPEDANCE	ATR PART No.	Holldorfen PART No.	Meritt PART No.	Rom PART No.	Stencor PART No.	Thordorson PART No.	Tried PART No.	NOTES		
T2	5000Ω 3-4Ω	21AC53A	24551	A-2930	AU-601	A-3877	24551	S-3X			

SPEAKER

REPLACEMENT DATA		NOTES									
ITEM No.	TYPE	ATR PART No.	QUAM PART No.								
SP1	4"		4A1	* Includes T2							

VIBRATOR

RATING		REPLACEMENT DATA									
ITEM No.	TYPE	INPUT VOLTS/FREQUENCY	ATR PART No.	PRE-FUSE PART No.	BUSS PART No.	NOTES					
M1	Interruptor	12 115V	ATRI840①	6330	G1602	5715	Model TRI279-12V				
M2	"	6 115V	ATRI400②	5715	1501	5715	Model TRI279-6V				

① Part # ATR 1840K used in Model 1279-12V

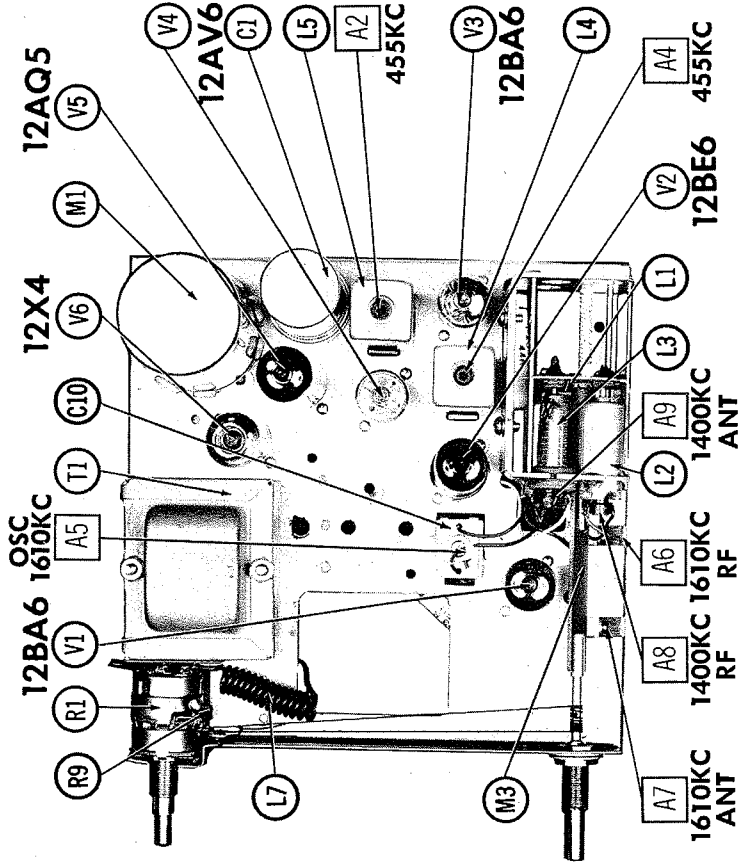
② Part #ATR 1400K used in Model 1279-6V.

FUSES

RATING		REPLACEMENT DATA									
ITEM No.	TYPE	ATR PART No.	PRE-FUSE PART No.	BUSS PART No.							
M2	SFE	6A	①	H-81644-8	FUSE	307006	155009	SFE 1/2	HHH		
M2	SFE	32V			FUSE	307006	155009	SFE 1/2	HHH		

① 6 Volt versions use 10A fuse.

CHASSIS—TOP VIEW



MISCELLANEOUS

ITEM No.	PART NAME	ATR PART No.	NOTES
M3	Tuner Spark Plate		Manual (Complete)
M4			

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Knob	WK-3	Tuning, Volume
Dial Pointer	C-52168	

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
 Shielded Hook-up Wire Use BELDEN No. 8855
 Bonding Strap Use BELDEN No. 8661