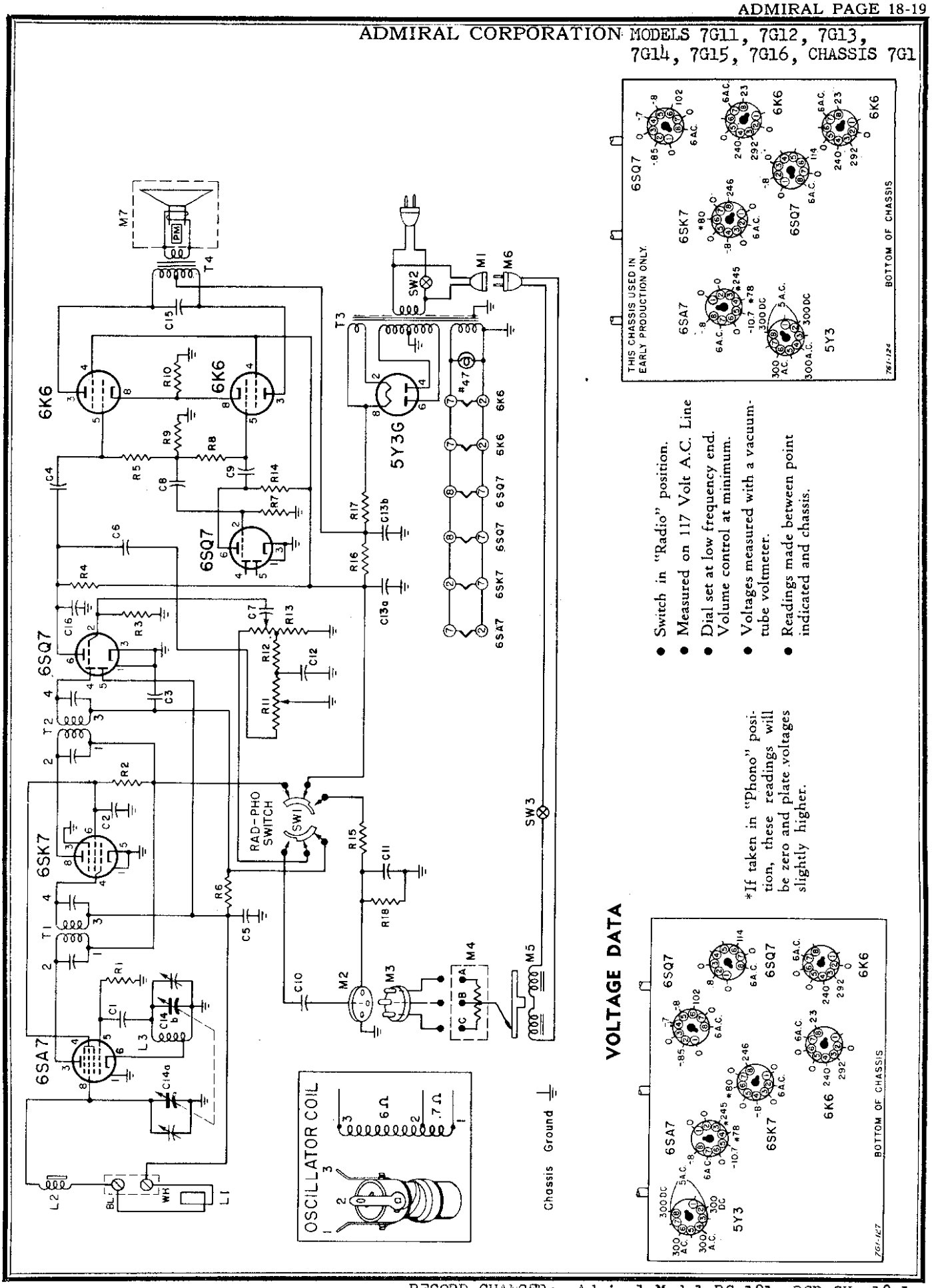
ADMIRAL CORPORATION MODELS 7G11, 7G12, 7G13, 7G14, 7G15, 7G16, CHASSIS 7G1



VOLTAGE DATA

RECORD CHANGER: Admiral Model RC-181, RCD.CH. 18-1
Admiral Model RC-182, RCD.CH. 18-10

MODELS 7G11, 7G12, 7G13, 7G14, 7G15, 7G16

ADMIRAL CORPORATION

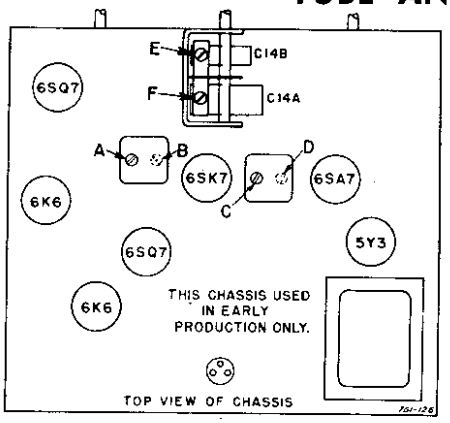
ALIGNMENT PROCEDURE

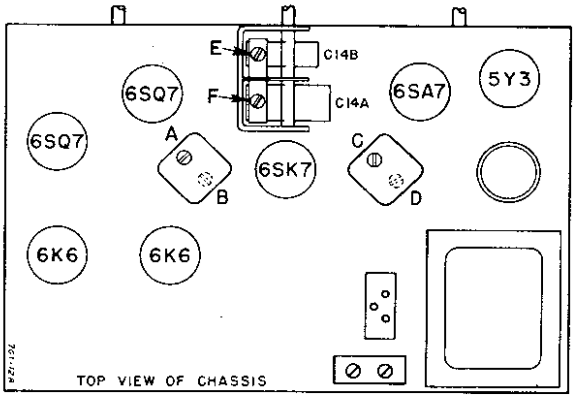
- Connect a low range output meter across terminals of speaker voice coil.
- Turn receiver volume control to maximum; tone control to full treble.
- Align dial pointer for proper setting, as illustrated in dial cord stringing and pointer setting diagram.
- Allow 10 or 15 minutes for both signal generator and receiver to warm up.
- Use lowest generator input signal, capable of producing an adequate output meter indication. Proceed with alignment as outlined, being sure to use an alignment tool or screwdriver, having the proper size blade, so as to avoid damage to IF tuning slugs.
- Repeat adjustments to insure good results.

Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustment
1	.1 mfd. condenser	Stator lug, antenna section of tuning condenser	455 KC	Gang fully open	2nd IF and 1st IF	A, B, C & D	Peak for maximum output
2	.1 mfd. condenser	Stator lug, antenna section of tuning condenser	1600 KC	Gang set at 1600 KC	Oscillator (on gang)	E	Peak for maximum output
	Set Receiver Chassis on table next to back of cabinet. Connect Loop Antenna to Receiver.						
3	Place generator lead close to loop of set to obtain adequate signal	No physical connection (signal by radiation)	1400 KC	Tune in generator signal	Antenna (on gang)	F	Peak for maximum output

Note: The B and D adjustments must be made from the underside of the chassis.

TUBE AND TRIMMER LOCATIONS





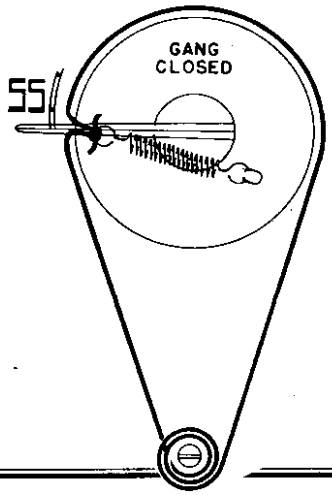
RADIO TILT-OUT DOOR ADJUSTMENT

(For radio tilt-out models only)

If the door on the radio tilt-out assembly is shifted to one side, readjustment of the tilt-out arm will correct the difficulty. If the tilt-out door is too far to the right, the right-hand tilt-out arm can be sprung. If the door is too far to the left, the left-hand arm can be sprung. The tilt-out arms are sprung by holding the lower end of the arm against its bracket and prying the arm toward the chassis with a screwdriver. The screwdriver is used as a lever between the tilt-out arm and the side of the radio compartment.

In the event that the bottom edge of the radio tilt-out door rubs, it can be planed off slightly. Care must be exercised in doing this in order that the door is not marred. Hold the plane flat against the beveled bottom edge of the door while planing off a small amount.

POINTER ADJUSTMENT



With the gang fully closed, the center line of the pointer should line up with the ends of the two parallel lines that are inside of and below "55" on the dial scale (see diagram). If it does not, move the pointer by hand to the proper position while keeping the gang closed.

RESISTORS

Symbol	Description	Part No.
R1	22,000 Ohms, ½ Watt, 10%	60B 8-223
R2	15,000 Ohms, 2 Watt, 10%	60B 20-153
R3	4.7 Megohms, ½ Watt, 10%	60B 8-475
R4	270,000 Ohms, ½ Watt, 10%	60B 8-274
R5	270,000 Ohms, ½ Watt, 10%	60B 8-274
R6	1 Megohm, ½ Watt, 10%	60B 8-105
R7	4.7 Megohms, ½ Watt, 10%	60B 8-475
R8	270,000 Ohms, ½ Watt, 10%	60B 8-274
R9	270,000 Ohms, ½ Watt, 10%	60B 8-274
R10	680 Ohms, 2 Watt	60B 20-681
R11	2 Megohms Tone Control (includes Switch SW2)	75B 1-24
R12	27,000 Ohms, ½ Watt, 10%	60B 8-273
R13	1 Megohm Volume Control (Tapped at ½ Megohm)	75B 2-10
R14	270,000 Ohms, ½ Watt, 10%	60B 8-274
R15	100,000 Ohms, ½ Watt, 10%	60B 8-104
R16	1,800 Ohms, 2 Watt	60B 20-182
R17	50 Ohms, 5 Watts, Wire	61A 1-6
R18	120,000 Ohms, ½ Watt, 10%	60B 8-124

CONDENSERS

C1	50 mmfd., Ceramic	65B	6-4
C2	.1 mfd., 400 Volts, Paper	64B	1-20
C3	250 mmfd., Ceramic	65B	6-5
C4	.02 mfd., 400 Volts, Paper	64B	1-24
C5	.1 mfd., 200 Volts, Paper	64B	1-30
C6	.005 mfd., 600 Volts, Paper	64B	1-12
C7	.002 mfd., 600 Volts, Paper	64B	1-14
C8	.02 mfd., 400 Volts, Paper	64B	1-24
C9	.02 mfd., 400 Volts, Paper	64B	1-24
C10	.002 mfd., 600 Volts, Paper	64B	1-14
C11	.25 mfd., 200 Volts, Paper	64B	1-28
C12	.02 mfd., 400 Volts, Paper	64B	1-24
C13a	30 mfd., 350 Volts	Elect.	67C 6-22
C13b	30 mfd., 350 Volts	Elect.	67C 6-22
C14a	387.7 mmfd. (max.) Antenna Section	Gang	A1706
C14b	108.0 mmfd. (max.) Osc. Section (Spotwelded to drum)	Gang	A1706
C15	.002 mfd., 600 Volts, Paper	64B	1-14
C16	500mmfd., Ceramic	65B	6-6

COILS, TRANSFORMERS, ETC.

L1	Loop Antenna (10 ft.)	95A 18-3
L2	Coil, Loop Loading	69A 53
L3	Coil, Oscillator	69A 52
T1	Transformer, 1st IF (slug tuned)	72B 52
T2	Transformer, 2nd IF (slug tuned)	72B 53
T3	Transformer, Power	80B 1
T4	Transformer, Speaker Output	79A 10
M7	Speaker 10" PM.	78B 37
SW1	Switch, Radio-Phono	77A 16-3
SW2	Switch, On-Off	Part of R11
SW3	Switch, Phono-Motor On-Off (see changer manual)	

DIAL and TUNING DRIVE PARTS

Description	Part No.
Dial Bulb (#47)	81A 1-8
Dial Cord	50A 1-3
Dial Escutcheon and Window	23D 29-1
Dial Scale and Bracket Assembly	A1707
Pointer, Dial (including spring clip)	A1685
Sleeve, Dial Tuner (Brass)	27A 45
Socket, Dial Bulb	82A 8-4
Spring, Dial Cord	19B 1-3

PHONOGRAPH PARTS

M1	Socket and Leads, Phono-Motor	89A 6-6
M2	Socket, Phono Pickup	88A 5-8
M3	Plug and Cable, Pickup	A1624
M4	Cartridge and Needle, Pickup	A1372
M5	Motor	407B 3-2
M6	Plug, Motor (Male)	88A 8-1
	Centerpost	G400B 137-1
	Drive Disc (under Turntable)	G400A 252
	Idler Wheel (407B3 Motor)	G400A 23
	Idler Wheel (407B1 Motor)	G400A 57
	Shoulder Eye Bolt (for Tilt-Out Spring)	1A 87-1
	Strip, Sponge Rubber (⅛"x¼"x1")	12A 5-5
	Tilt-Out Hinge Assembly (closest to Pickup Arm)	AC118-2
	Tilt-Out Hinge Assembly (farthest from Pickup Arm)	AC118-1
	Tilt-Out Spring (2¼" long)	19A 15-1
	Tilt-Out Tie Bar	15B 126
	Tilt-Out Tie Rod	28A 22
	Wing Nut (for fastening record changer during shipment)	2A 5-9-2

MISCELLANEOUS

Description	Part No.
*Cabinet	
Walnut (7G11)	35E 76-1
Mahogany (7G12)	35E 76-2
Walnut (7G14)	35E 79-1
Mahogany (7G15)	35E 79-2
Blond (7G16)	35E 79-3
Carton, complete with fillers	
for 7G11, 7G12	44B 108
for 7G14, 7G15, 7G16	44B 102
*Door, Radio and Phono Tilt-Out	
pair for Walnut (7G11)	98A 41-4
pair for Mahogany (7G12)	98A 41-5
pair for Walnut (7G14)	98A 42-1
pair for Mahogany (7G15)	98A 42-2
pair for Blond (7G16)	98A 42-3
*Door, Record Compartment, complete	
for Walnut (7G11)	98A 41-7
for Mahogany (7G12)	98A 41-8
Door Arm (near center of cabinet; see #5 in Fig. 1)	A1440
Door Arm (nearest side of cabinet; see #5 in Fig. 1)	A1441
Door Bracket (near center of cabinet; see #7 in Fig. 1)	A1438
Door Bracket (nearest side of cabinet; see #7 in Fig. 1)	A1439
Door Catch and Strike Plate for Record Compartment Door	98A 41-9
Door Handle (Tilt-Out Doors) for Walnut (7G11), Mahog. (7G12)	98A 23-1

MISCELLANEOUS

Description	Part No.
Door Hinge, Record Storage Compartment for Walnut (7G11) Mahog. (7G12)	98A 41-11
Door Knob, Record Storage Compartment for Walnut (7G11), Mahog. (7G12)	98A 41-12
Door Knob (Tilt-Out Doors) for Wal. (7G14), Mahog. (7G15)	33A 33-1
for Blond (7G16)	33A 33-2
Grille Cloth for Wal. (7G11), Mahog. (7G12)	98A 41-15
for Wal. (7G14), Mahog. (7G15)	98A 42-4
for Blond (7G16)	98A 42-5
Knobs, Radio "Volume" and "On-Off Tone"	33A 13-4
"Radio-Phono" (inner dual knob)	33B 31-1
"Tuning" (outer dual knob)	33B 31-2
Medallion Block (Grille) for Walnut (7G14)	98A 38-14
for Mahogany (7G15)	98A 38-15
for Blond (7G16)	98A 38-16
Rubber Channel for Radio Tilt-Out Brackets on 7G11, 7G12 (2⅜"x⅛" overall)	12A 9-1
for Dial Scale (inner edge; 29½")	12A 20-3
Rubber Strip, Sponge for Chassis Mounting on 7G11, 7G12 (5½"x⅛"x⅜")	12A 11
for Chassis Mounting on 7G11, 7G12 (5½"x⅛"x½")	12A 11-1
for Door Block on 7G11, 7G12 (¾"x¾"x⅛")	12A 5-4
for Door Panel on 7G11, 7G12 (12"x⅛"x⅛")	12A 5-9
for Tilt-Out Record Changer Bumper on 7G14, 7G15, 7G16 (1"x¼"x1/6")	12A 5-5
Shoulder Eye Bolt for adjusting Phono Tilt-Out Spring	1A 87-1
for adjusting Radio Tilt-Out Spring (7G11, 7G12)	1A 87-2
Socket, Octal Tube	87A 5-1
Socket, Phono (M2)	88A 5-8
Spring, Tilt-Out Mechanism Adjusting for Phono	19A 15-1
for Radio (7G11, 7G12)	19A 15-2
Spring, Hairpin for Radio Tilt-Out (7G11, 7G12)	19A 2-5
Terminal Board, Antenna (mounted on cabinet)	10B 1-32
Tie Bar, Tilt-Out Mechanism for Phono	15B 126
for Radio (7G11, 7G12)	15B 160-2
Transmission Line, 4 Wire 10" Length — AM Antenna	95A 18-2
Washer, Felt (Radio) for "Volume", "On-Off" Knobs	5A 4-2
for "Tuning" (outer dual knob)	5A 4-8
Washer, Fibre for "Radio-Phono" (inner dual knob)	5A 1-25

***Supplied only if old part cannot be repaired. When ordering, describe condition of old part in detail.**