

Page 2,3: 6062 6063 6064 6065 6066 6067 6068 6069
6070 6071 6072 6073 6074 6075 6076 6077
7151 7152 7153 7154 7155 7156 7157 7158
7159 7160 7161 7162 7163 7164 7165 H-118

Page 4: 60A022-0 60A022-1 60A022-2 60A022-3
60A022-4 60A022-5 60A022-6 60A022-7

Page 5: 60A024-0 60A024-1 60A024-2 60A024-3
60A024-4 60A024-5 60A024-6 60A024-7

Page 6,7: 6152 6153 6154 6155 6156 6157 6172
6173 6174 6175 6176 6177 6178 6179
6180 6181

Page 8,9: 6161 6162 6201

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6214 6324

Page 12: 6195 6196 6196A 6197 6198 6199-A 6199-B
6322 6210 6211 6212 6313 6314 6315 6316
6317 6318 6319 6320 6321 6322 6323 6324

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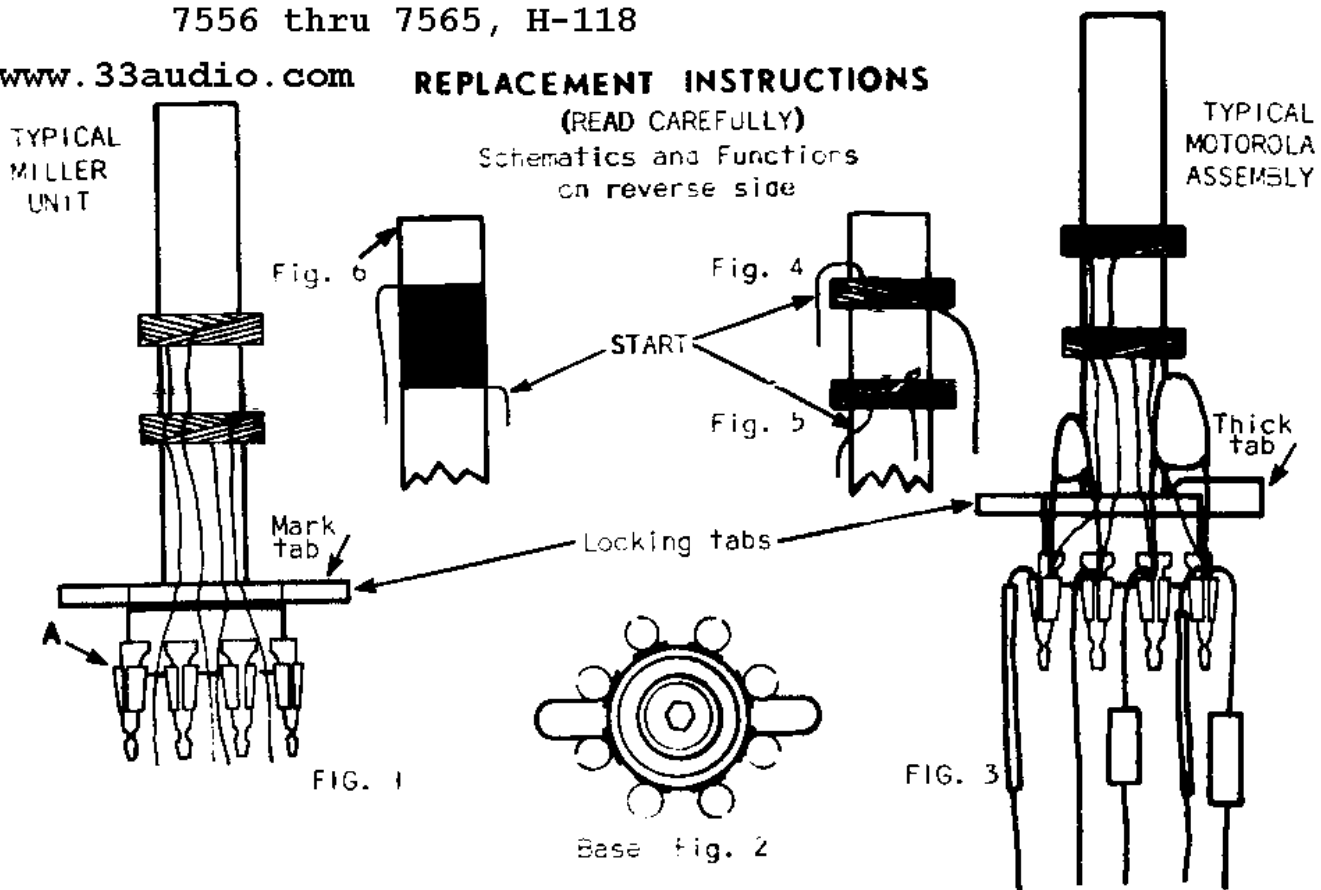
Miller: 6062 thru 6077, 7151 thru 7167, (Page 1 of 2)
7556 thru 7565, H-118

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REPLACEMENT INSTRUCTIONS

(READ CAREFULLY)

Schematics and Functions
on reverse side



REMOVAL OF MOTOROLA ASSEMBLY

Possibly the easiest way to make replacement is to consider each Motorola coil along with all wires and components that are attached to it as an assembly. This assembly should be entirely removed from the chassis (Fig. 3). If a schematic is not available some method should be used for marking to assure that the rewired assembly is connected to the same points. If the tabs (Fig. 3) are locked into position, removal of the assembly is easily accomplished by gripping one side of the coil form base with long nose pliers and pulling straight out.

INSTALLATION

For reference, mark one of the collar tabs on the Miller coil (Fig. 1) to correspond to the thicker one on the Motorola being replaced. Now, connect the free wires of the replacement to the appropriate terminals to correspond with the winding leads on the old coil.* (Fig. 5) Leave enough slack in the leads so they may lie flat against the form and not be broken while installing other components. All wires and components go thru the top of the terminals. (Fig. 3) Remove one at a time, each wire or component from the old unit and install to corresponding terminal on replacement. The component's leads are not wrapped and pull out from the top and require little heat, but it is advisable to hold the leads with pliers while unsoldering to avoid any possible heat damage. If the coil is to be used in a printed circuit make sure the leads do not protrude too far. Solder all connections, and if desired, break off unused terminals by bending back and forth at point A (Fig. 1) Slide wired assembly into shield until tabs lock into position. Rewire free ends of components into circuit as originally. Adjust cores as required according to set manufacturer's instructions.

* It is important that the winding leads are not reversed. Start leads should be connected the same as the Motorola. For a pi winding the start is always on the bottom or next to the form. (Figs. 4 & 5) On a single layer winding the start will be the end nearest to the base. (Fig. 6)

STANDARD PART NO.

H-118

6062 thru 6077
7151 thru 7167
7556 thru 7565

**Miller: 6062 thru 6077, 7151 thru 7167,
7556 thru 7565, H-118**

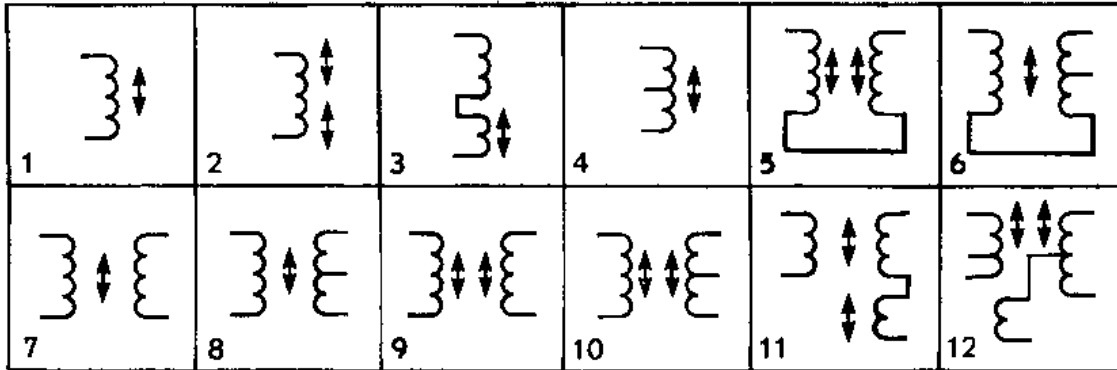
(Page 2 of 2)

Page 1 of 2 **UNIVERSAL MOTOROLA WINDINGS**

THIS GROUP OF MILLER REPLACEMENTS IS READILY ADAPTED TO REPLACE THE MANY MOTOROLA COILS AND TRANSFORMERS THAT USE A PROTRUSION, OR TAB, ON EITHER SIDE OF THE BASE FOR LOCKING PURPOSES. EACH UNIT HAS COMPLETE WINDINGS AND CORES AND IS FITTED WITH 8 TERMINALS WHICH MAY BE USED EITHER AS PRINTED CIRCUIT OR POINT TO POINT WIRING. ALL LEADS ARE LEFT FREE SO THAT THEY MAY BE CONNECTED TO ANY DESIRED TERMINAL. UNUSED TERMINALS ARE EASILY REMOVED IF DESIRED. IT IS INTENDED THAT ANY COMPONENTS ON THE MOTOROLA ASSEMBLY BE REMOVED AND REINSTALLED ON THE MILLER UNIT.

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SCHEMATICS

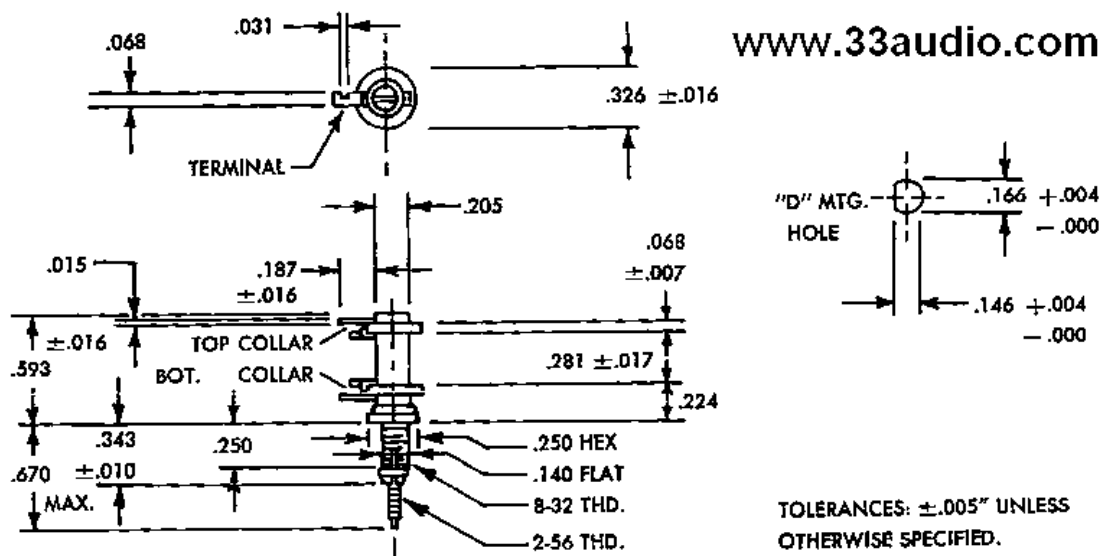


	PART NO.	FUNCTION	TUNING	SCHEM.	Part No.	FUNCTION	Tuning	SCHEM.
3.58 MHz	6062	Take Off	Double	5	7162	Quad Coil	Single	3
	6063	Adj. Coil	Single	1	7163	Tapped Coil	Single	4
	6064	Osc. Coil	Single	4	7164	Tapped Coil	Single	4
	6065	Osc. Trans.	Single	7	7165	Tapped Coil	Single	4
	6066	Osc. Trans.	Single	7	7166	Tapped Coil	Single	4
	6067	Osc. Trans.	Single	7	7167	Ratio Det.	Double	12
	6068	Osc. Trans.	Single	7				
	6069	Burst	Single	7	7556	Trans.	Double	9
	6070	Burst	Single	9	7557	Trans.	Double	9
	6071	Bandpass	Double	9	7558	Trans.	Double	9
4.5 MHz	6072	bandpass	Double	11	7559	Trans.	Double	9
	6073	bandpass	Double	10	7560	Trans.	Double	9
	7151	Quad Coil	Double	2	7561	Trans.	Single	7
	7152	Adj. Coil	Single	1	7562	Trans.	Single	7
	7153	Trans.	Double	9	7563	Trans.	Single	11
	7154	Trans.	Double	9	7564	Trans.	Single	11
	7155	Trap	Single	9		41.25 Trap	Single	11
		Take Off	Single	9	7565	Coil	Single	9
	7156	Trans.	Double	9		41.25 Trap	Single	9
	7157	Trap	Single	9				
OSC		Take Off	Single	9				
	7158	Trans.	Single	7	H-118	Horiz. Eff.	Single	4
	7159	Tapped Coil	Single	4	6074	Pin Cushion	Single	1
	7160	Adj. Coil	Single	1	6075	Dyn. Conv.	Single	6
	7161	Adj. Coil	Single	1	6076	Dyn. Conv.	Single	1
				6077	Dyn. Conv.	Single	1	

USED ON: STOCK	J. W. MILLER CO. 19070 REYES AVENUE COMPTON, CALIFORNIA 90221	P. O. BOX 5825 COMPTON, CALIFORNIA 90224	STANDARD PART NO.
DWG. BY: DBC			H-118
APP. BY: JHB			6062 thru 6077
DATE: 3-10-71			7151 thru 7167 7556 thru 7565
SCALE: NTS	DWG. NO.		

60A022-0 THRU 60A022-7

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BASIC PART NO. 60A022
 2 COLLARS, 2 TERMINALS, 1 TERMINAL EACH COLLAR

HOW TO ORDER: SPECIFY THE BASIC PART NUMBER WITH THE APPROPRIATE DASH NUMBER.

EXAMPLE: BASIC PART NO. 60A022 DASH NO. -0 THRU -7

DASH NO.	RECOMMENDED FREQ. MHZ.	CORE PART NO.	CORE MATERIAL	BASIC POWDER	COLOR CODE
-0					
-1	.2 - 1.5	30-200-1		CARBONYL C	YELLOW
-2	1.0 - 20.0	30-200-2	POWDERED IRON	CARBONYL E	RED
-3	20.0 - 50.0	30-200-3		CARBONYL J	GREEN
-4	50.0 - 200.0	30-200-4		IRN 9	WHITE
-5	100.00 & UP	30-200-5	BRASS		NONE
-6	2.0 40.0	30-200-6	POWDERED IRON	CARBONYL TH	PURPLE
-7	40.0 - 300.0	30-200-7		CARBONYL SF	BLUE

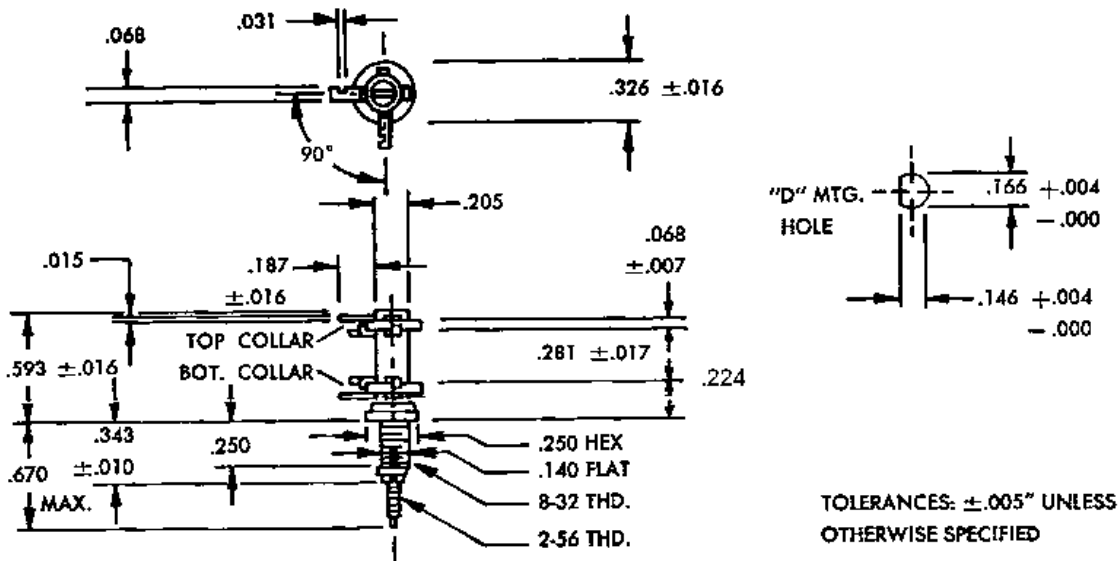
COMPONENT	MATERIAL	FINISH
COIL FORM	CERAMIC	SILICONE IMPREGNATED
COLLAR	FIBERGLAS	SILICONE IMPREGNATED
SOLDER TERMINAL	BRASS	SILVER PLATE .0003
TUNING CORE	BRASS	RHODIUM FLASH OVER SILVER PLATE .0003
	POWDERED IRON	MOISTURE PROOFED CADMIUM PLATE .0003
MOUNTING STUDS	BRASS	CADMIUM PLATE .0003
COMPRESSION SPRING	BERYLLIUM COPPER	CADMIUM PLATE .0003
UNASSEMBLED MOUNTING HARDWARE		
MOUNTING HEX NUT	BRASS	CADMIUM PLATE .0002
INTERNAL TOOTH LOCKWASHER	phosphor bronze	CADMIUM PLATE .0003

NOTE: COILS CAN BE WOUND ON THIS FORM TO YOUR SPECIFICATIONS.

USED ON: STOCK	J. W. MILLER COMPANY 19070 REYES AVENUE P.O. BOX 5825 COMPTON, CALIF. 90224	BASIC PART NO.
DWG. BY W. E. K.		60A022
APP. BY W. R. C.		
DATE: 12-26-65		
SCALE: N. T. S.	DWG. NO. 60A022-0-7	

60A024-0 thru 60A024-7

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BASIC PART NO. 60A024
 2 COLLARS, 4 TERMINALS, 2 TERMINALS EACH COLLAR

HOW TO ORDER: SPECIFY THE BASIC PART NUMBER WITH THE APPROPRIATE DASH NUMBER.

EXAMPLE: BASIC PART NO. 60A024 DASH NO. -0 THRU -7

DASH NO.	RECOMMENDED FREQ. MHz.	CORE PART NO.	CORE MATERIAL	BASIC POWDER	COLOR CODE
-0	FORM LESS CORE				
-1	.2 - 1.5	30-200-1	POWDERED IRON	CARBONYL C CARBONYL E CARBONYL J IRN 9	YELLOW
-2	1.0 - 20.0	30-200-2			RED
-3	20.0 - 50.0	30-200-3			GREEN
-4	50.0 - 200.0	30-200-4			WHITE
-5	100.0 & UP	30-200-5	BRASS		NONE
-6	2.0 - 40.0	30-200-6	POWDERED IRON	CARBONYL TH CARBONYL SF	PURPLE
-7	40.0 - 300.0	30-200-7			BLUE

COMPONENT	MATERIAL	FINISH
COIL FORM	CERAMIC	SILICONE IMPREGNATED
COLLAR	FIBERGLAS	SILICONE IMPREGNATED
SOLDER TERMINAL	BRASS	SILVER PLATE .0003
TUNING	BRASS	RHODIUM FLASH OVER
CORE	POWDERED IRON	SILVER PLATE .0003
MOUNTING STUDS	BRASS	MOISTURE PROOFED
COMPRESSION SPRING	BERYLLIUM COPPER	CADMIUM PLATE .0003
UNASSEMBLED MOUNTING HARDWARE		
MOUNTING HEX NUT	BRASS	CADMIUM PLATE .0002
INTERNAL TOOTH LOCKWASHER	PHOSPHOR BRONZE	CADMIUM PLATE .0003

NOTE: COILS CAN BE WOUND ON THIS FORM TO YOUR SPECIFICATIONS.

USED ON: STOCK	J. W. MILLER COMPANY	BASIC PART NO.
DWG. BY W. E. K.		19070 REYES AVENUE P. O. BOX 5825 COMPTON, CALIF. 90224
APP. BY W. R. C.	60A024	
DATE: 10-26-65	SCALE: N. T. S.	DWG. NO. 60A024-0-7

www.33audio.com

Miller Television Coils Page 1
6152 thru 6157 6172 thru 6181



VIDEO PEAKING - R. F. CHOKE COILS

These new **MILLER TV COMPONENTS** are intended for replacement use in commercial television receivers, or as original components in high-quality custom-built receivers.

The **Miller No. 6175 Filament Choke** effectively isolates filaments of tubes at I.F. frequencies, thereby reducing stray coupling, feedback or general instability. Extremely low resistance minimizes filament voltage drop.

Video Peaking Coils have been carefully designed to assure the proper bandwidth and wave shape for video signals when used in representative video amplifier circuits.

Coils without shunt resistor are wound on low-loss moulded plastic forms. Shunt resistor types wound directly over resistor forms. Equipped with solid wire leads to allow short, direct connection and easy wiring.

Approximate dimensions:

No. 6175 Filament Choke—9/32" dia. by 7/8" long
Nos. 6172 to 6174 and 6176 to 6181 Video Peaking Coils—
3/16" dia. by 3/8" long

CAT. NO.	DESCRIPTION	MICRO-HENRIES	RES. OHMS	SHUNT RES. IN FORM	COLOR CODE	LIST PRICE
6175	FILAMENT CHOKE	0.8	0.02	NONE*	ORANGE	\$.50
6152	PEAKING COIL	20	1.8	NONE*		.50
6176	PEAKING COIL	36	3	NONE	BLACK	.50
6172	PEAKING COIL	73	5	NONE*		.60
6177	PEAKING COIL	93	6.5	NONE*	RED	.60
6178	PEAKING COIL	120	8	22K	BLUE	.60
6153	PEAKING COIL	120	8	NONE		.60
6179	PEAKING COIL	180	10	39K	WHITE	.60
6180	PEAKING COIL	180	10	NONE*	YELLOW	.60
6154	PEAKING COIL	200	10.5	NONE		.60
6173	PEAKING COIL	250	11.5	22K		.60
6181	PEAKING COIL	250	11.5	NONE*	GREEN	.60
6155	PEAKING COIL	300	13.5	NONE		.60
6174	PEAKING COIL	500	16	NONE*		.60
6156	PEAKING COIL	800	24	NONE		.60
6157	PEAKING COIL	950	27	NONE		.60

*These coils are sometimes wound on 10 megohm resistor forms.

The shunt effect of this resistance is negligible.

In case a resistor coil form is specified for replacement purposes, use a shunt resistor of the required value across peaking choke.

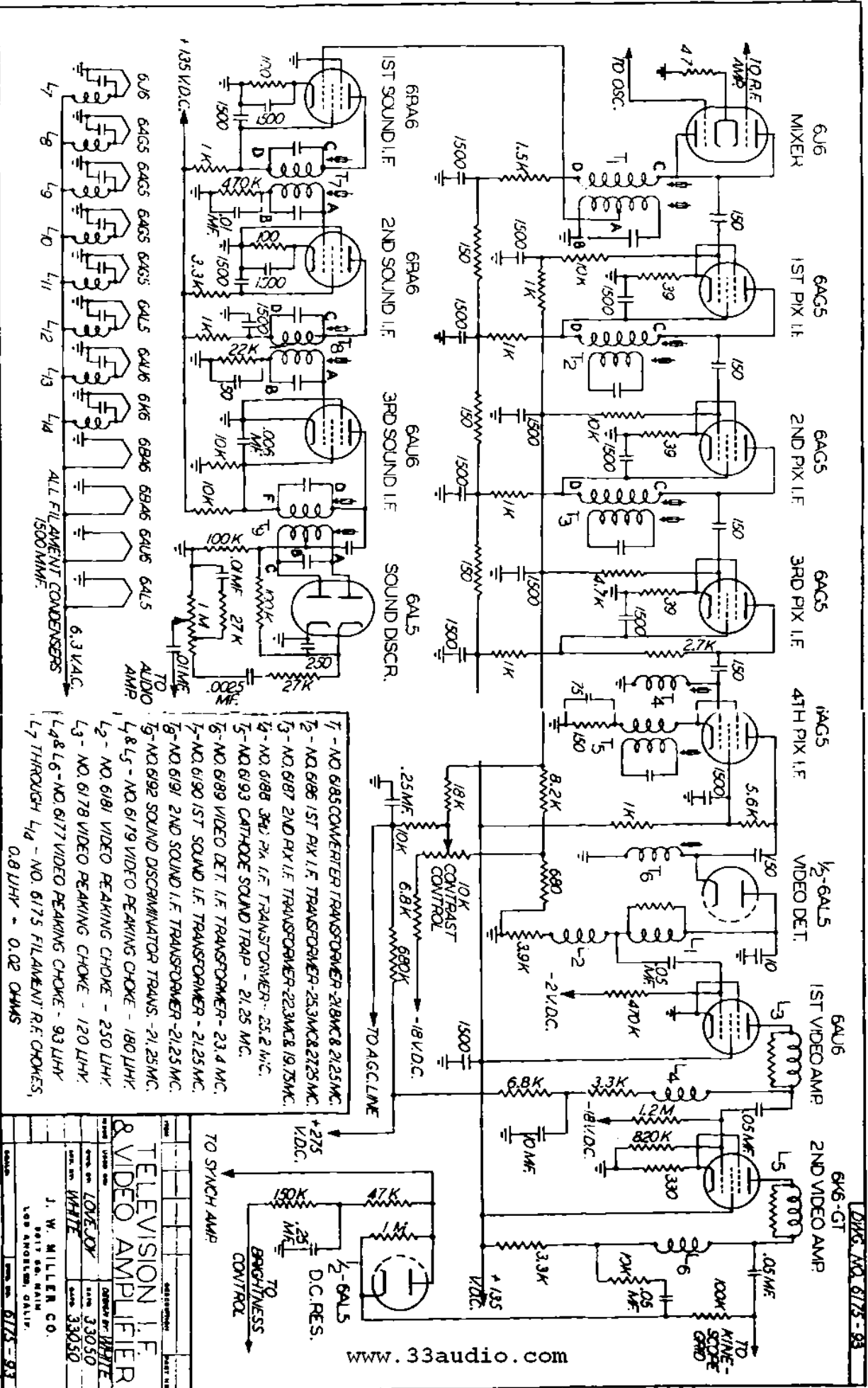
(Available through your local distributor)

J. W. MILLER COMPANY

5917 South Main Street

Los Angeles 3, California

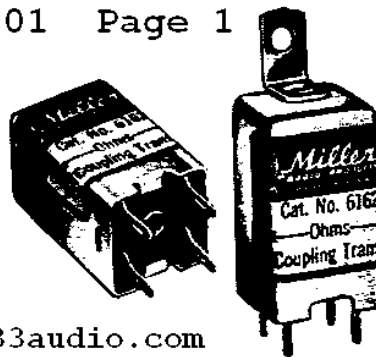
FED. 10M 1-55



Want Better Television Reception?

USE A

6161 6162 6201 Page 1



ANTENNA COUPLING TRANSFORMER! IT WILL IMPROVE THE SIGNAL STRENGTH TO YOUR TV RECEIVER. GET CLEAR AND NOISE-FREE RECEPTION FROM YOUR TV SET.

www.33audio.com

Many TV antenna installations require a long lead-in to the receiver. This is particularly true in apartments and hotels. Since the standard television receiver has a 300 ohm input, it is common practice to use 300 ohm "twin-lead". This is an excellent and inexpensive lead-in cable and will give satisfactory results in the average TV location. The fan-type dipole with reflector and piggy-back high and low-band dipoles with reflectors are the most popular types of antenna and their impedances respectively are 150 ohms and 250 ohms (see Figs. 3 & 4.) These values do not seriously mis-match the 300-ohm twin-lead and the TV receiver input. However, 300 ohm lead-in has losses of as high as 8 db per 100 feet while 52 or 72 ohm twin-lead or co-axial cable may have losses as low as 2 db per 100 feet. By using suitable coupling transformers at the antenna and receiver with low impedance lead-in or transmission cable, **the resulting TV picture may be improved to the same degree as if the transmitter had double its power!**

The insertion losses of the Miller TV antenna coupling transformers **catalog numbers 6161 and 6162** are quite low and they may be used either from a low impedance to a high impedance source or from a high impedance to a low impedance source. The polarity of the windings is, in general, unimportant. The connections are shown on Drawing No. 6161-2.

With a conventional high and low-band dipole with reflectors—(Fig. 4)—, the most commonly used type, the use of a type #6161 for 52-ohm cable or a type #6162 for 72-ohm cable at the antenna terminals and a similar transformer at the receiver terminals, will result in greatly reduced line losses. The 300 ohm terminals of the transformers are to be connected to the antenna and to the receiver input terminals with the 52 or 72 ohm terminals connected to the appropriate cable connected between transformers.

The impedance values indicated in Figs. 1 to 4 are approximate values for dipoles cut to 1/2 wave length. Since these values will be correct only for the particular frequency for which the antenna is cut, some mis-match will occur at other frequencies. If the impedance mis-match is not greater than 2 to 1, generally satisfactory results will be obtained. The appropriate Miller television antenna coupling transformer should be selected on the foregoing basis.

Cat. No. 6161	52/300 or 300/52	ohms.....
Cat. No. 6162	72/300 or 300/72	ohms.....
Cat. No. 6201	450/300 or 300/450	ohms.....

6161 10M FED. 9-62

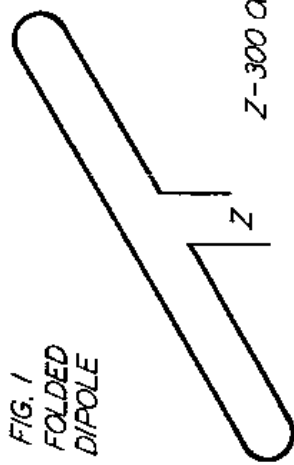
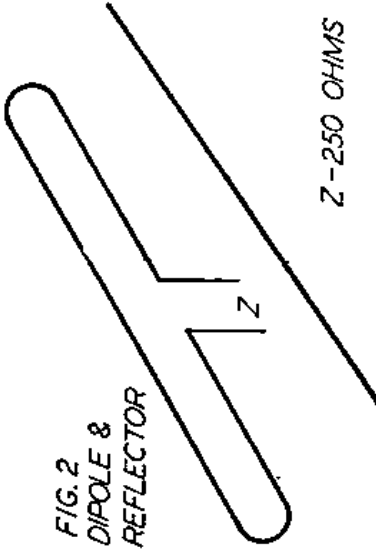
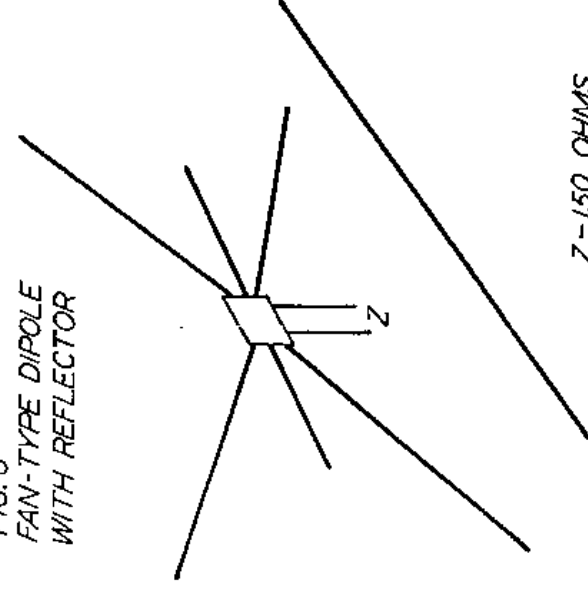
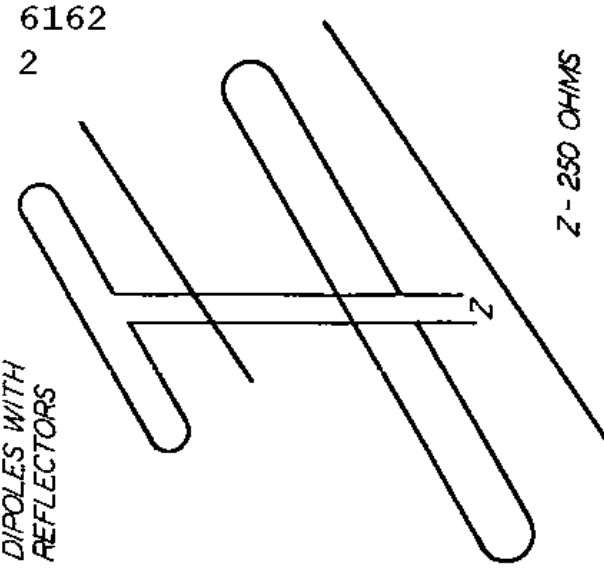
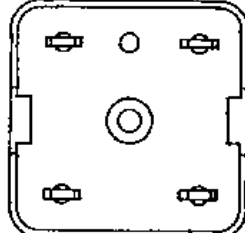
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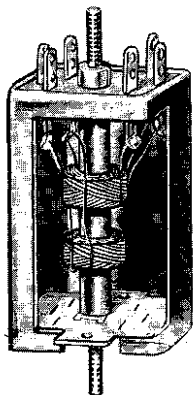
(Available Through Your Local Distributor)



J. W. MILLER COMPANY
5917 S. Main Street, Los Angeles 3, California



<p>6161 6162 Page 2</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">DWG. NO. 6161-2</p>	<p>FIG. 1 FOLDED DIPOLE</p>  <p style="text-align: right;">Z - 300 OHMS</p>	<p>FIG. 2 DIPOLE & REFLECTOR</p>  <p style="text-align: right;">Z - 250 OHMS</p>	<p>FIG. 3 FAN-TYPE DIPOLE WITH REFLECTOR</p>  <p style="text-align: right;">Z - 150 OHMS</p>	<p>FIG. 4 PIGGY-BACK HIGH & LOW BAND DIPOLES WITH REFLECTORS</p>  <p style="text-align: right;">Z - 250 OHMS</p>
<p>NO. 6161 - 52 OHM TERMINALS</p> <p>NO. 6162 - 72 OHM TERMINALS</p> <p>300 OHM TERMINALS</p>				
				
<p>DIMENSIONS - 3/4" SQUARE 1-3/8" LONG</p> <p>SOLDER LUG TERMINALS</p> <p>MAY BE USED OUTDOORS</p>				
<p>ANTENNA COUPLING TRANSFORMERS FOR TV & FM</p>				
<p>ISSUE _____ USED ON _____</p> <p>DWG. BY: LOVEJOY DATE: 4/20/50</p> <p>APP. BY: _____ DATE: _____</p> <p style="text-align: right;">J. W. MILLER CO. 8817 SO. MAIN LOS ANGELES, CALIF.</p> <p style="text-align: right;">SCALE: _____ DWG. NO. 6161-2</p>				



Horizontal Oscillator & Sync. Control Coils & Transformers for Television Receivers

Data for coils: 6182, 6183, 6183A, 6194, 6210, 6211, 6212, 6314, 6324

www.33audio.com

Permeability tuned units for use in horizontal sweep oscillator and automatic frequency control circuits.

HORIZONTAL OSCILLATOR AND SYNC. CONTROL COIL

This unit contains a tapped oscillator coil for use in a horizontal blocking oscillator. In a typical control circuit, a combination voltage from the synchronizing pulse and from the horizontal oscillator is applied to the grid of a control tube. When, due to incorrect frequency or phase, the combination does not produce the required pulse width, the oscillator tube is biased automatically to re-establish synchronization (Synchroguide). Shield dimensions 1-7/16" x 1-7/16" x 2 1/2" high, with mounting centers of 1-5/16".

CATALOG NO. 6182

HORIZONTAL OSCILLATOR AND A.F.C. DISCRIMINATOR TRANSFORMER

Consists of two coupled windings: one, tapped, for use as horizontal oscillator circuit; the other, center-tapped and balanced for a sine-wave phase discriminator arrangement which combines the horizontal synchronizing pulses with oscillations from the horizontal oscillator to provide control of the horizontal scanning frequency (Synchrolock). Shield dimensions 1-7/16" x 1-7/16" x 2 1/2" high, with mounting centers of 1-5/16".

CATALOG NO. 6194

~~UNSHIELDED HORIZONTAL OSCILLATOR COILS~~

Catalog Nos. 6212 and 6314 combine to function in a manner similar to that of their shielded counterpart, catalog No. 6183.

The inductance range of part No. 6212 is 12 to 35 millihenries.

The inductance range of part No. 6314 is 2 to 18 millihenries.

Mounting for these two items is by means of a clip fitting a 5/16" chassis hole.

CATALOG NO. 6212

CATALOG NO. 6314

TAPPED HORIZONTAL OSCILLATOR COILS

Catalog numbers 6211 and 6324 are tapped inductors for use in a Hartley oscillator circuit to develop energy at a frequency of 15,750 cycles. Part No. 6211 requires a .0039 mfd. capacity in parallel, while a .001 mfd. capacitor is required for use with Part No. 6324.

Inductance range for part No. 6211 is 16 to 42 millihenries.

Inductance range for part No. 6324 is 60 to 130 millihenries.

Mounting clips to fit a 7/16" chassis hole.

CATALOG NO. 6211

CATALOG NO. 6324

HORIZONTAL OSCILLATOR AND SYNC. STABILIZER COIL

This assembly contains a tapped oscillator coil for use in a horizontal blocking oscillator and pulse-width control system, similar to that employing No. 6182 coil. In addition, there is another winding which, when connected to an external fixed capacitor of .01 mfd., may be adjusted to obtain Sine-Wave stabilization of the blocking oscillator frequency ("Sync. Freq. & Phase").

THE 6183 COIL IS DESIGNED IN SUCH A MANNER AS TO ALLOW PLACEMENT OF THE TERMINAL LUGS IN EITHER THE TOP OR BOTTOM OF THE SHIELD. THIS CAN BE ACCOMPLISHED BY SIMPLY PUSHING THE COIL ASSEMBLY OUT OF THE SHIELD AND REVERSING IT. WHEN REMOVING THE COIL ASSEMBLY FROM THE SHIELD, UNIFORM PRESSURE SHOULD BE APPLIED TO THE EDGES OF THE TERMINAL PLATE ONLY, AND NOT TO THE ADJUSTING STUD. IN THIS MANNER THE

COIL ASSEMBLY MAY BE REMOVED WITHOUT DAMAGE TO THE INTERNAL LEADS.

Shield dimensions 1-7/16" x 1-7/16" x 2 1/2" high, with mounting centers of 1-5/16".

CATALOG NO. 6183

REVERSED HORIZONTAL OSC. & SYNC. STABILIZER COIL.

Same as 6183 except coils are reversed on form in order to tune Horizontal Osc. from top or through outside of chassis.

CATALOG #6183-A

SYNC. STABILIZER COIL

This coil, when connected in parallel with an external capacitor of .0039 mfd. is adjustable within a frequency range containing the horizontal sweep frequency. It may be used as stabilizer in a

multi-vibrator circuit ("Ringing" Coil). The inductance range of this coil is 16 to 42 millihenries. Mounting is by means of a clip fitting a 7/16" chassis hole.

CATALOG NO. 6210

(Available through your local distributor)

J. W. MILLER COMPANY

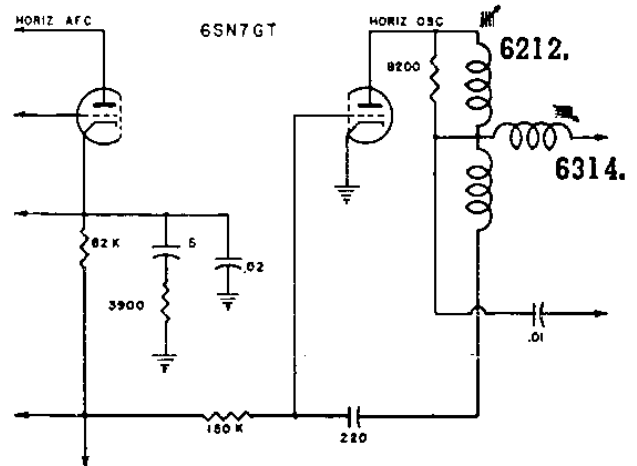
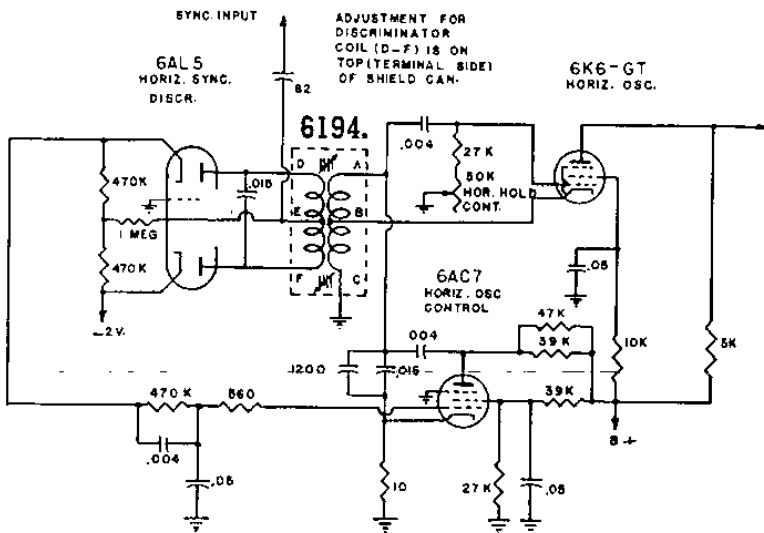
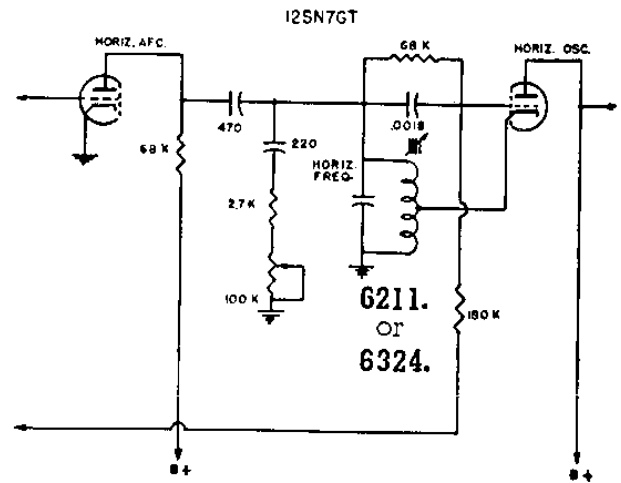
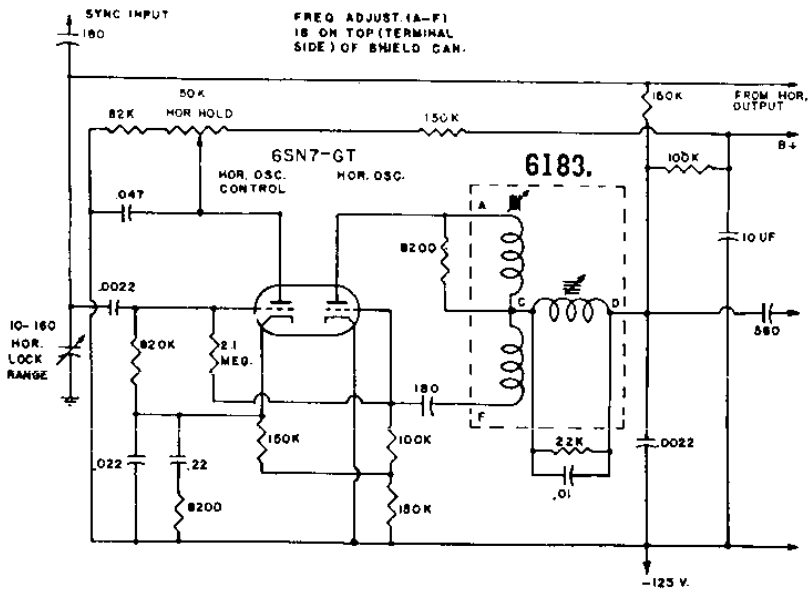
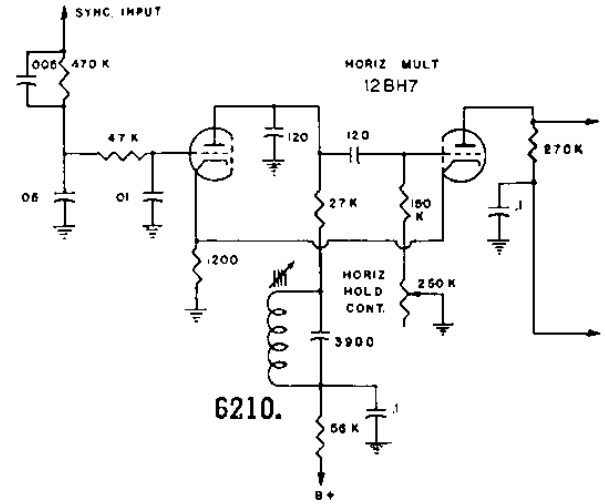
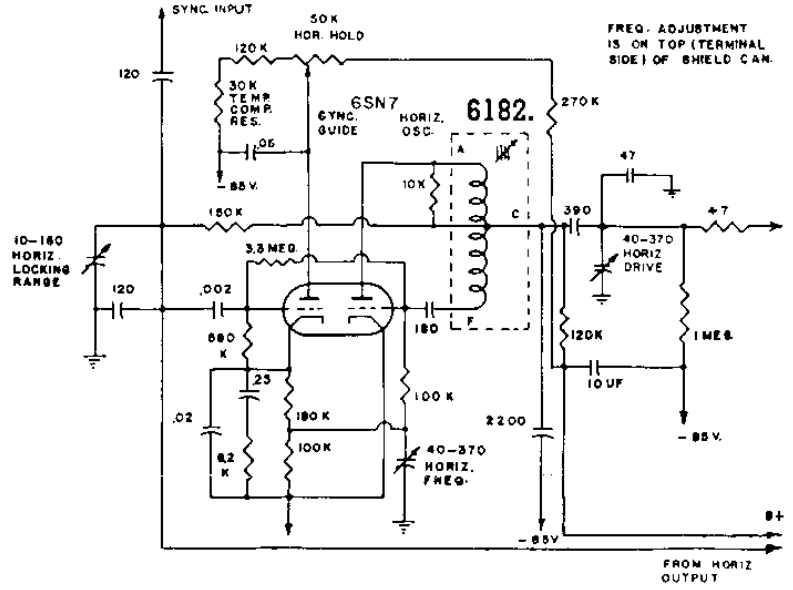
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J.W. Miller 6182, 6183, 6194, 6210, 6211, 6212, 6314, 6324

Page 2 of 2

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6195 thru 6199B
6210 thru 6212
6313 thru 6324

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Television Replacement Components

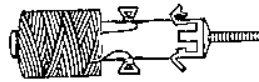
Horizontal & Width Controls for 55°, 65°, 70°, and 90° Picture Tubes



Following to be used when it is not required to replace the original Horizontal Output transformer.

Mounting hole $\frac{5}{16}$ " and $\frac{7}{16}$ ".

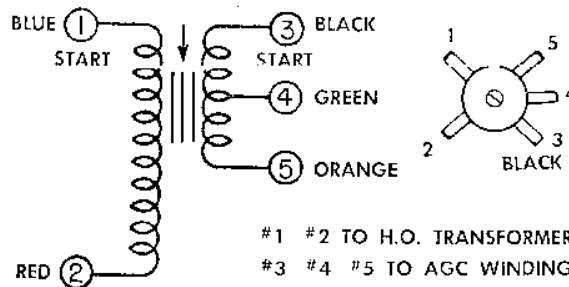
Cat. No.			Range MH
6195	Linearity	55° tubes	0.185- 1.00
6196	Width	55° tubes	.054-0.245
6196-A	Width	Tapped Gen. Pur.	.054-.5
6197	Linearity	65° tubes	.550- 2.30
6198	Width	65° tubes	.170- 0.61
6199-A	Linearity	70° tubes	1.30 - 4.10
6199-B	Width	70° tubes	.510- 1.70
6322	Linearity	90° tubes	1.50 -10.0
6315	Width	90° tubes	4.00 -30.0



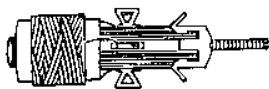
If a general purpose replacement Horizontal Output transformer has been installed, the following wide range width and linearity controls should be used.

Cat. No.	Inductance Range	Mounting Hole
6212	12. -35 MH	$\frac{5}{16}$ " only
6313	0.50- 5.0 MH	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6314	2.00-18.0 MH	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6315	4.00-30.0 MH	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6318	0.20- 3.0 MH	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6319	15.0 -60.0 MH	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6320	0.20- 3.0 MH Tapped	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6321	1.00- 5.0 MH Tapped	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6322	1.50-10.0 MH	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6323	0.50- 5.0 MH Tapped	$\frac{5}{16}$ " and $\frac{7}{16}$ "
6324	60 -130 MH Tapped	$\frac{7}{16}$ " only

Circuit Connections for Width Linearity Controls using A.G.C. Windings



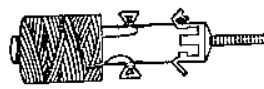
Width Linearity Controls with A.G.C. Windings



For use in the width circuit of older style TV receivers and TV kits when it is desired to add an A.G.C. circuit to the existing circuit. Mounting hole $\frac{5}{16}$ " and $\frac{7}{16}$ ".

Cat. No.	Inductance Range
6316	4.00-30.0 MH with A.G.C.
6317	3.20- 9.0 MH with A.G.C.

Sync. Stabilizer Coil (Ringing Coil)



For use in the Horizontal Oscillator Multi-Vibrator circuit. When an external capacitor of .0039 Mfd. is connected in parallel, the circuit will stabilize at 15,750 cycles. Mounting hole $\frac{5}{16}$ " diameter.

Cat. No.	Inductance Range
6210	16-42 MH
6211	16-42 MH Tapped

6195 FED. 25M 11-65

PRINTED IN U.S.A.

(Available through your local distributor)



J. W. MILLER COMPANY
5917 S. Main Street, Los Angeles 3, California



Miller: 6325 thru 6331

www.33audio.com

WIDTH CONTROLS — SERIES — PARALLEL & A.G.C.

Mounting Hole $\frac{5}{16}$ " and $\frac{7}{16}$ " INDUCTANCE RANGE Millihenries		Mounting Hole $\frac{5}{16}$ " and $\frac{7}{16}$ " INDUCTANCE RANGE Millihenries	
Cat. No.		Cat. No.	
6325	4.2-30 (.78-1.37 AGC)	6329	2.2-10 Tapped
6326	2.5-19 Parallel (.18-1.7 Series)	6330	45-215
6327	4-30 Parallel (.255-2.4 Series)	6331	4-30 Parallel (.080-.7 Series)
6328	9-24 (.19-1.1 AGC)		

TYPICAL CIRCUIT FOR
NO'S. 6326, 6327, 6331

L1 = 1 & 2
L2 = 3 & 4

TYPICAL CIRCUIT FOR
NO'S. 6325 & 6328

1 & 2 = A G C
3 & 4 = WIDTH

NOTE REGARDING T.V. WIDTH COILS

When using the available technical information covering replacements in this portion of a T.V. receiver, one often finds conflicting data. This is due to the fact that, in some instances, width coils have been shown as direct replacements for the original width coil in the receiver, while other listings have been based on the replacement of the horizontal output transformer.

In an attempt to foresee all possible requirements, we have made our listing of width and linearity controls very extensive. Generally, however, two or three items will take care of most requirements. **We suggest that wide-range width coils, such as our part numbers 6313, 6315, and 6319, be kept on the shelf at all times.**

CONVERSION PROCEDURE

In cases where it is necessary to replace a width or linearity coil which uses a $\frac{7}{16}$ " mounting hole the following procedure should be used:

Remove the mounting clip and iron core from the new coil, press the enclosed sleeve over the end of the form and cement in place. Use the large mounting clip with the core from the new replacement coil. Assemble core and clip and install the replacement coil in the TV set under repair.