



RADIO CORPORATION OF AMERICA

**ADDENDA TO IB-36014-3
FIELD PICK-UP
TELEVISION EQUIPMENT**

INSTRUCTIONS

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**RADIO CORPORATION OF AMERICA
RCA VICTOR DIVISION**

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IB-36014-3a

ROY

ADDENDA TO IB-36014-3

This addenda is for use as a supplement to Instruction Book IB-36014-3 for the following equipments:

Field Camera, MI-26010-B
Field Camera Control, MI-26065-A
Field Power Supply, MI-26095-A

FIELD CAMERA, MI-26010-B

The difference between the MI-26010-B Field Camera and the camera described in IB-36014-3 is the inclusion of an elapsed time indicator and an image orthicon protection circuit in the MI-26010-B Camera.

The image orthicon protection circuit is designed to protect the image orthicon tube from destruction by a target burn as a result of the following causes:

1. Failure to turn on the sync generator prior to operation of the camera.
2. Failure of the sync generator, horizontal-drive cable, or the camera horizontal-deflection circuit.
3. Failure of the high voltage.
4. Failure of the protection circuit itself.

Referring to the schematic diagram in this addenda, the protection circuit operates as follows:

The d-c relay, E2, has two coils. These coils are connected in such a manner that the magnetic fields oppose each other. Resistor R117, which is in series with the 6,650-ohm coil, is adjusted so that when the camera is operating normally, the current in this coil creates a magnetic flux that is equal (and opposite in direction) to the flux in the 225-ohm coil. Thus the resultant flux is zero and the relay is in the de-energized condition. This allows contacts 1 and 2 to remain in their normally closed position, which allows normal operating voltage to pin 10 (grid number 2 and dynode number 1) of the orthicon. Should any of the failures mentioned in the first paragraph occur, the current flowing in the 225-ohm coil will change. This causes an unbalance between the two relay coils which causes a resultant magnetic flux that energizes the relay thus opening the contacts and removing the voltage from pin 10 of the image orthicon. In this condition no electrons will reach the target.

ADJUSTMENT OF PROTECTION CIRCUIT

The image orthicon protection circuit was adjusted at the factory. Should it be necessary to re-adjust the circuit due to component changes, proceed as follows:

1. Shut the power off, remove the image orthicon, then adjust R117 (located to the left and slightly below T3) for maximum resistance by placing the slide wire at the end of the resistor which is nearest to the rear of the camera.
2. Place the camera in normal operating condition (without the image orthicon) apply power and allow the camera to warm up for several minutes, then observe whether the relay, E2, is open (de-energized). Relay E2 is located to the left of R117 below C46. If E2 is de-energized proceed with steps 3 and 4 otherwise perform step 5.

3. To test for proper adjustment of R117, remove horizontal drive by grounding the GRID CAP of V16. The relay should close. Repeat this test several times to prove consistent operation of the protection circuit.

4. Shut the power off and replace the image orthicon.

5. If, in step 2, the relay became energized, shut the power off and move the slider of R117 approximately 1/8 inch towards the front of the camera, then repeat step 2. If unsatisfactory results are obtained when R117 is readjusted several times, it may be necessary to change V16 and/or V14.

SCHEMATIC DIAGRAM

Write the word "OBSOLETE" across the diagram on pages 109 and 110 of IB-36014-3. Use the schematic diagram in this addenda for the MI-26010-B Field Camera.

PARTS LIST

On pages 79, 80, 81 and the upper portion of page 82 of IB-36014-3, containing the parts list for the MI-26010-A Field Camera, mark the following:

"Obsolete, refer to parts list in IB-36014-3a when ordering parts for the MI-26010-B Field Camera."

FIELD CAMERA CONTROL, MI-26065-A

The major difference between the MI-26065-A Field Camera Control and the camera control described in IB-36014-3 is the TARGET SET circuit in the MI-26065-A Camera Control.

The TARGET SET pushbutton switch circuit (momentary contact switch, S1, and its associated resistors) provides a means for determining the target cutoff voltage and then automatically adding the proper increment of target voltage to the cutoff value. Refer to the schematic diagram for the MI-26065-A Camera Control in this addenda.

ADJUSTMENTS

Adjust the MI-26065-A Field Camera Control as described on pages 64, 65, and 66 of IB-36014-3 with the following exceptions.

On page 64, left-hand column, center of page change the sentence "Target (camera control)..... 12 o'clock" to "Target (camera control)..... Maximum Clockwise."

In the right-hand column of page 64, preceding paragraph number 5 (from the top of the page) add the following paragraph:

Hold the TARGET SET switch button (on the camera control) in its depressed position while rotating the TARGET control to the position at which the picture on the kinescope just disappears. The picture should reappear when the TARGET SET button is released. Readjust the BEAM control, always using the lowest possible beam current consistent with best signal-to-noise ratio and optimum shading.

FIELD OPERATION

Operate the camera control as described on pages 70, 71, and 72 of IB-36014-3 except that in place of the fourth paragraph from the top of page 71 (in the right-hand column) substitute the following paragraph:

Once the target voltage has been established (as described under ADJUSTMENTS) it should require no further adjustment. However, if the lighting on the scene is changed appreciably or if the lens iris is readjusted, it may be necessary to reset the target voltage. After resetting this voltage, it may be necessary to readjust the beam current to a value which just removes the high-lights in the

picture, and reset the GAIN control to give the correct output level. In general, the TARGET control should not be used as a means for removing high lights.

SCHEMATIC DIAGRAM

Write the following sentence across pages 117 and 118 of IB-36014-3:

"Obsolete, refer to the schematic diagram for the MI-26065-A Field Camera Control in IB-36014-3a."

PARTS LIST

Mark the parts list for the field camera control (on pages 84 to 88 inclusive in IB-36014-3) as follows:

"Obsolete, use the parts list for the MI-26065-A Field Camera Control in IB-36014-3a."

FIELD POWER SUPPLY, MI-26095-A

The MI-26095-A Field Power Supply differs from the power supply described in IB-36014-3 as follows:

1. Terminal board TB-1 shown on Figure 47, page 57, of IB-36014-3 is eliminated. The wires are connected from the main cable directly to the transformer terminal board.
2. A new (50-60 cycle) power transformer, T1, is used.
3. A new type of motor is used for the blower to increase the air circulation.

SCHEMATIC DIAGRAM

The schematic diagram on pages 125 and 126 of IB-36014-3 does not apply to the MI-26095-A Field Power Supply. Use the schematic diagram for the power supply in this addenda.

PARTS LIST

Mark the parts list for the field power supply on pages 97 and 98 of IB-36014-3 as follows:

"Obsolete, use parts list for MI-26095-A Field Power Supply in IB-36014-3a."

FIELD SWITCHING SYSTEM, MI-26215-A

Use the instruction book supplied with the equipment.

PARTS LIST

When ordering replacement parts, please give RCA Stock Number. Symbol Number, Description, and Drawing Number will be helpful in further identifying the desired part and should be given when no Stock Number is shown in the following list.

The part which will be supplied against an order for a replacement item may not be an exact duplicate of the original part, however, it will be a satisfactory replacement, differing only in minor mechanical or electrical characteristics. Such differences will in no way impair the operation of the equipment.

Symbol Numbers with suffix letters may not be shown on the schematic and are used only for relating the parts described to the main item of which they are components.

FIELD CAMERA, MI-26010-B

SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
A1	Blower	B-453912-1	57657
A2, A3, A4	Lamp, tally, 6-8 volt	K-61114-11	11765
A2A, A3A, A4A	Holder, lamp, red lens	K-8856010-1	
	Socket Only		58105
	Jewel Only		58104
C1	Capacitor, 0.5 mfd, 1500 volt	K-984621-122	56917
C2	Capacitor, 0.1-0.1-0.1 mfd, 600 volt	K-898524-4	53638
C3	Capacitor, 0.01 mfd, 600 volt	P-72061-537	52594
C4	Capacitor, same as C2		
C5 to C8	Capacitor, 0.05 mfd, 1600 volt	K-981016-1	53637
C9	Capacitor, 1.0 mfd, 400 volt	K-895398-3	53639
C10	Capacitor, 0.5 mfd, 300 volt (Part of A1)		54222
C11, C12	Capacitor, same as C9		
C13	Capacitor, 0.01 mfd, 1600 volt	K-735715-413	73822
C14	Capacitor, 225 mfd, 15 volt	M-86028-8	54406
C15	Capacitor, 10 mfd, 450 volt	M-86028-3	18793
C16	Capacitor, 0.1 mfd, 400 volt	P-737818-113	93555
C17	Capacitor, same as C14		
C18	Capacitor, same as C15		
C19	Capacitor, 0.22 mfd, 400 volt	P-737818-115	93556
C20	Capacitor, variable, 3-25 mmfd	M-420224-19	53641
C21	Capacitor, 0.05 mfd, 400 volt	P-72061-512	69565
C22	Capacitor, same as C14		
C23	Capacitor, same as C15		
C24	Capacitor, 0.022 mfd, 400 volt	P-735715-117	73562
C25	Capacitor, same as C14		
C26	Capacitor, same as C15		
C27	Capacitor, 0.047 mfd, 400 volt	P-735715-121	73553
C28	Capacitor, same as C15		
C29 to C31	Capacitor, same as C5		
C32	Capacitor, 0.1 mfd, 400 volt	P-72086-138	73551
C33	Capacitor, 0.1 mfd, 600 volt	A-8887707-61	53642
C34, C35	Capacitor, same as C14		
C36	Capacitor, 0.5-0.5 mfd, 600 volt	K-898524-3	53643
C37	Capacitor, 270 mmfd, 500 volt	P-727856-233	53644
C38	Capacitor, 20-20 mfd, 450 volt	M-86031-12	34889
C39	Capacitor, same as C3		
C40	Capacitor, 330 mmfd, 500 volt	P-727858-235	39640
C41	Capacitor, same as C3		
C42	Capacitor, same as C36		
C43	Capacitor, 82 mmfd, 500 volt	P-727856-121	39626
C44	Capacitor, 0.25 mfd, 600 volt	A-8887708-62	56864
C45	Capacitor, 820 mmfd, 300 volt	P-727856-145	53119
C46	Capacitor, 0.25 mfd, 600 volt	A-8887707-62	55999
C47	Capacitor, same as C44		
C48	Capacitor, same as C46		
C49	Capacitor, same as C44		
C50	Capacitor, 5-5 mfd, 450 volt	K-86027-5	32342
C51	Capacitor, 10-10-10 mfd, 450-450-150 volt	M-86038-3	28113
C52	Capacitor, same as C3		
C53, C54	Capacitor, same as C45		
C55	Capacitor, same as C14		
CR1	Crystal		54374
E1	Relay, plug-in type	M-445101-1	52961
E2	Relay, SPDT	M-455443-1	93557
F1	Fuse, 2 ampere	K-55544-3	3883
F1A	Holder, fuse	K-99088-1	48551

FIELD CAMERA, MI-26010-B--continued

SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
J1	Connector, 24 contact, camera control	P-722805-1	53663
J2	Connector, 10 contact, view finder	K-8856042-2	54306
J3 to J6	Jack, communication	K-8855138-1	53138
J7	Receptacle, female, 2 contact	K-8851757-4	55029
L1	Coil Assembly, focus	P-736176-501	53672
L2	Coil Assembly, alignment	M-442070-501	53673
L3	Coil Assembly, deflection	T-621555-503	53674
M1	Meter, elapsed time	M-448347-1	53179
R1	Resistor, 47,000 ohm, 2 watt	K-99126-82	44211
R2, R3	Resistor, 100,000 ohm, 1/2 watt	P-727834-86	3252
R4	Resistor, 22,000 ohm $\pm 5\%$, 1/2 watt	P-727834-191	30492
R5	Resistor, 560,000 ohm, 1/2 watt	P-727834-95	30653
R6	Resistor, variable, 1.0 megohm, 2 watt	M-433196-1	52433
R7	Resistor, 1.0 megohm, 1/2 watt	P-727834-98	30652
R8	Resistor, 470,000 ohm $\pm 5\%$, 1/2 watt	P-727834-223	30648
R9	Resistor, 220,000 ohm, 1/2 watt	P-727834-215	14583
R10	Resistor, 270,000 ohm $\pm 5\%$, 1/2 watt	P-727834-217	30651
R11	Resistor, 68,000 ohm $\pm 5\%$, 1/2 watt	P-727834-203	14138
R12	Resistor, 10,000 ohm, 1/2 watt	K-82283-74	3078
R13	Resistor, 47,000 ohm, 1/2 watt	P-727834-82	30787
R14	Not Used		
R15, R16	Resistor, same as R8		
R17, R18	Resistor, 390,000 ohm $\pm 5\%$, 1/2 watt	P-727834-221	11988
R19	Resistor, same as R2		
R20	Resistor, same as R13		
R21	Not Used		
R22	Resistor, 180 ohm $\pm 5\%$, 1/2 watt	P-727834-141	30618
R23	Resistor, 150 ohm $\pm 5\%$, 1/2 watt	P-727834-139	30880
R24	Resistor, 51 ohm $\pm 5\%$, 1/2 watt	P-727834-128	3614
R25	Resistor, same as R7		
R26	Resistor, same as R22		
R27	Heater Assembly (part of yoke L3)	M-442093-501	53713
R28	Resistor, variable, 50,000 ohm, 2 watt	M-433196-5	51944
R29	Resistor, 5600 ohm, 1/2 watt	P-727834-71	30734
R30	Resistor, 15,000 ohm $\pm 5\%$, 1/2 watt	P-727834-187	36714
R31	Resistor, 1500 ohm, 1/2 watt	P-727834-64	30654
R32	Resistor, 27,000 ohm $\pm 5\%$, 1 watt	P-727836-193	71990
R33	Resistor, 33,000 ohm $\pm 5\%$, 1 watt	P-727836-195	38895
R34	Resistor, 330,000 ohm $\pm 5\%$, 1/2 watt	P-727834-219	14983
R35	Resistor, same as R22		
R36	Resistor, same as R11		
R37	Resistor, 10,000 ohm $\pm 5\%$, 1/2 watt	P-727834-183	3078
R38	Resistor, same as R31		
R39	Resistor, same as R32		
R40	Resistor, same as R33		
R41	Resistor, 12 ohm $\pm 5\%$, 1/2 watt	P-727834-113	30786
R42	Resistor, 680 ohm $\pm 5\%$, 1/2 watt	P-727834-155	12262
R43	Resistor, same as R11		
R44	Resistor, 560 ohm $\pm 5\%$, 1/2 watt	P-727834-153	5164
R45	Resistor, variable, 200 ohm, 2 watt	M-433196-9	52435
R46	Resistor, same as R41		
R47	Resistor, same as R22		
R48	Resistor, same as R37		
R49	Resistor, same as R32		
R50	Resistor, same as R33		
R51	Resistor, same as R31		
R52	Resistor, 1000 ohm, 5 watt	M-443853-6	53120
R53	Resistor, same as R7		
R54	Resistor, same as R22		
R55	Resistor, same as R37		
R56	Resistor, 1800 ohm $\pm 5\%$, 1/2 watt	P-727834-165	30930
R57	Resistor, same as R32		
R58	Resistor, same as R33		
R59	Resistor, same as R5		
R60	Resistor, 7500 ohm, 10 watt	M-443853-9	53651
R61	Resistor, same as R2		
R62	Not Used		
R63	Resistor, variable, 100 ohm, 4 watt	M-438187-8	57900
R64	Resistor, variable, 20 ohm, 2 watt	M-433196-37	54416
R65	Resistor, 10 ohm $\pm 5\%$, 1/2 watt	P-727834-111	34761
R66	Not Used		

FIELD CAMERA, MI-26010-B--continued

SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
R67	Resistor, same as R64		
R68	Resistor, 27,000 ohm, 1/2 watt	P-82283-79	30409
R69	Resistor, 800 ohm, 10 watt	M-443853-10	71696
R70	Resistor, same as R8		
R71	Resistor, same as R10		
R72	Resistor, 4700 ohm, 1/2 watt	P-727834-70	30494
R73	Resistor, 270 ohm +5%, 1/2 watt	P-727834-145	30929
R74	Resistor, variable, 200 ohm, 4 watt	M-438187-5	53654
R75	Resistor, same as R44		
R76	Resistor, same as R73		
R77	Resistor, 680 ohm +5%, 2 watt	K-99126-155	38325
R78	Resistor, variable, 600 ohm, 4 watt	M-438187-6	53656
R79	Resistor, same as R77		
R80	Resistor, same as R5		
R81	Resistor, 50,000 ohm, 2 watt	M-427471-22	90121
R82	Resistor, same as R8		
R83	Resistor, same as R2		
R84	Resistor, 820 ohm +5%, 1/2 watt	P-727834-157	30158
R85	Resistor, same as R37		
R86	Resistor, same as R24		
R87	Not Used		
R88	Resistor, 15,000 ohm, 1 watt	P-727836-76	70723
R89	Resistor, 68,000 ohm, 1/2 watt	P-727834-84	14138
R90	Resistor, same as R37		
R91	Resistor, same as R7		
R92	Resistor, 1000 ohm, 1/2 watt	P-727834-62	34766
R93	Resistor, same as R44		
R94	Resistor, 1000 ohm +5%, 1 watt	P-727836-159	71916
R95	Resistor, same as R5		
R96	Resistor, 22,000 ohm, 1/2 watt	P-727834-78	30492
R97	Resistor, same as R7		
R98	Resistor, same as R31		
R99	Resistor, variable, 1000 ohm, 2 watt	M-433196-8	53657
R100	Resistor, same as R44		
R101	Resistor, same as R88		
R102	Resistor, same as R2		
R103	Resistor, 4.7 megohm, 1/2 watt	P-727834-106	30931
R104	Resistor, same as R28		
R105	Resistor, 33,000 ohm, 1/2 watt	P-727834-80	30685
R106	Resistor, same as R103		
R107	Resistor, 15,000 ohm, 5 watt	M-443853-11	53658
R108	Resistor, same as R24		
R109	Resistor, same as R96		
R110	Resistor, same as R31		
R111	Resistor, same as R92		
R112	Resistor, 150,000 ohm, 1 watt	P-727836-88	31895
R113	Resistor, 12,000 ohm, 1/2 watt	P-727834-75	30436
R114, R115	Resistor, 220 ohm, 2 watt	K-99126-54	53005
R116	Resistor, same as R65		
R117	Resistor, adjustable, 20,000 ohm, 25 watt	M-449665-6	17714
S1	Switch, thermostat	K-8857302-1	53667
S2, S3	Switch, toggle, SPST	M-413702-1	18019
S4, S5	Switch, selector	K-8857792-1	53668
S6	Switch, video cut-out	K-8856485-2	53669
S7	Not Used		
S8	Switch, same as S2		
S9	Switch, toggle, DPDT	M-413702-8	33142
T1	Transformer, filament	M-443975-1	53012
T2	Transformer, high voltage	K-901755-502	53660
T3	Transformer, vertical output	K-895383-1	51910
T4	Transformer, horizontal output	K-901813-502	53661
T5 to T8	Coil Assembly	P-739772-501	52453
T9, T10	Transformer, telephone induction coil	A-8855139-1	53132
X1	Socket, orthicon	M-430033-6	9952
X2 to X6	Socket, miniature, 7-pin	K-99370-2	54271
X7 to X11	Socket, octal, saddle type	K-99390-1	54414
X12	Socket, octal	K-983472-1	71508
X13	Socket, same as X7 less ground lug	K-8880783-1	54414
X14 to X16	Socket, same as X7		
X17	Socket octal	K-87156-5	28413
	Cap, dust for J1	M-441522-8	54309

FIELD CAMERA, MI-26010-B--continued

SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
	Cover, lens hole	K-8856454-1	54308
	Knob, control	P-712336-507	30075
	Knob, mechanical focus	M-453966-501	57827
	Mask, orthicon tube retaining mask assembly	M-453985-1	58334
	Plate, capacitor mounting, steel, for C38, C50, C51	K-85559-2	
	Plate, capacitor mounting, steel, for C14, C15, C17, C18, C23, C25, C26, C28, C55	K-85559-1	
	Plate capacitor mounting bakelite, for C22, C34, C35	K-85558-1	19820
	Roller Assembly, turret control detent	A-8896984-501	57610
	Insulator, pillar, 3/8" dia. x 1"	M-426765-11	92010
	Gear, focus control drive or idler	A-8857132-3	58852

FIELD CAMERA CONTROL, MI-26065-A

C1	Capacitor, 1000-1000 mfd, 15 volt	M-86033-5	59757
C2	Capacitor, 80-10 mfd, 400 volt	M-86033-6	33023
C3	Capacitor, 20-20 mfd, 450 volt	M-86031-12	34889
C4	Capacitor, 0.01 mfd, 600 volt	P-72061-538	51628
C5	Capacitor, 20-10-10-10 mfd, 450 volt	M-86023-4	59759
C6	Capacitor, 0.05 mfd, 400 volt	P-72061-544	52974
C7	Capacitor, 1800 mmfd, 500 volt	P-722017-565	39658
C8	Capacitor, same as C6		
C9	Capacitor, same as C2		
C10	Capacitor, 470 mmfd, 500 volt	P-722001-589	39644
C11	Capacitor, 0.25 mfd, 600 volt	K-895397-1	52425
C12	Capacitor, 180 mmfd, 500 volt	P-722001-579	52944
C13	Capacitor, 120 mmfd, 500 volt	P-722001-575	39630
C14	Capacitor, 0.5-0.5 mfd, 600 volt	K-895406-1	51916
C15	Capacitor, 47 mmfd, 500 volt	P-722001-565	68737
C16	Capacitor, 0.05 mfd, 400 volt	P-72061-512	69565
C17, C18	Capacitor, same as C11		
C19	Capacitor, 0.25 mfd, 600 volt	K-895398-1	55999
C20, C21	Capacitor, same as C4		
C22	Capacitor, same as C2		
C23, C24	Capacitor, same as C19		
C25	Capacitor, 560 mmfd, 500 volt	P-722008-591	51918
C26	Capacitor, 0.1 mfd, 400 volt	P-72061-514	67910
C27	Capacitor, same as C6		
C28, C29	Capacitor, same as C4		
C30	Capacitor, 0.05 mfd, 1600 volt	K-895396-1	52432
C31	Capacitor, same as C19		
C32	Capacitor, same as C30		
C33	Capacitor, same as C11		
C34	Capacitor, same as C2		
C35	Capacitor, 270 mmfd, 500 volt	P-722001-583	39638
C36	Capacitor, same as C3		
C37, C38	Not Used		
C39	Capacitor, same as C30		
C40	Capacitor, same as C6		
C41	Capacitor, same as C30		
C42, C43	Capacitor, same as C4		
C44	Capacitor, same as C3		
C45	Capacitor, same as C6		
C46	Capacitor, same as C26		
C47	Capacitor, same as C6		
C48	Capacitor, same as C2		
C49	Capacitor, 1000 mfd, 25 volt	M-86023-6	18374
C50, C51	Capacitor, same as C19		
C52	Not Used		
C53, C54	Capacitor, same as C4		
C55	Capacitor, same as C16		
C56	Capacitor, 1200 mmfd, 500 volt	P-722017-561	68495
C57	Capacitor, same as C35		
C58	Capacitor, same as C4		
C59	Not Used		
C60	Capacitor, same as C14		
C61	Capacitor, same as C35		
C62, C63	Not Used		
C64	Capacitor, 1.0 mfd, 600 volt	K-895406-3	56124

FIELD CAMERA CONTROL, MI-26065-A--continued

SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
C65	Capacitor, 0.05 mfd, 6000 volt	K-859084-2	44837
C66	Capacitor, same as C11		
C67	Capacitor, same as C65		
C68	Capacitor, same as C15		
E1	Relay, plug-in type	M-445101-1	52961
F1	Fuse, 5 ampere (type 3AG)	K-55544-36	37883
J1	Connector, camera	P-722805-2	52447
J2	Connector, communication	P-727920-1	52448
J3	Connector, driving and blanking pulses IN	P-722805-13	52013
J4	Connector, driving and blanking pulses OUT	P-722805-14	52002
J5	Connector, power input	P-722805-9	52449
J6, J7	Connector, picture output, sync input	P-255223-1	51800
L1	Not Used		
L2	Coil Assembly	K-895311-503	52450
R1	Resistor, 68 ohm, 1/2 watt	K-99080-48	34763
R2	Resistor, variable, 200 ohm, 2 watt	M-433196-9	52435
R3	Resistor, 100 ohm, 1/2 watt	K-82283-50	34765
R4	Resistor, 150 ohm, 1/2 watt	K-82283-52	30880
R5	Resistor, 56,000 ohm, 1 watt	K-99081-83	17440
R6	Resistor, 10,000 ohm, 2 watt	K-99083-74	44294
R7	Resistor, 1500 ohm $\pm 5\%$, 1/2 watt	K-99080-163	30654
R8	Resistor, 560,000 ohm, 1/2 watt	K-82283-95	30653
R9	Resistor, 10,000 ohm $\pm 5\%$, 1/2 watt	K-99080-183	3078
R10	Resistor, same as R3		
R11	Resistor, same as R4		
R12	Resistor, same as R5		
R13	Not Used		
R14	Resistor, 6800 ohm $\pm 5\%$, 1/2 watt	K-99080-179	14659
R15	Resistor, 1300 ohm $\pm 5\%$, 1/2 watt	K-99080-162	33572
R16, R17	Not Used		
R18	Resistor, 330,000 ohm, 1/2 watt	K-82283-92	14983
R19	Resistor, variable, 1.0 megohm, 2 watt	M-433196-1	52433
R20	Resistor, 2.2 megohm, 1 watt	K-99081-102	38898
R21	Resistor, same as R8		
R22	Resistor, 270 ohm, 1/2 watt	K-82283-55	30929
R23, R24	Resistor, 100 ohm, 1 watt	K-99081-50	31215
R25	Resistor, 33,000 ohm, 1 watt	K-99081-80	38895
R26	Resistor, variable, 5000 ohm, 2 watt	M-433196-7	51923
R27	Resistor, same as R6		
R28	Resistor, same as R23		
R29	Resistor, 270 ohm $\pm 5\%$, 1/2 watt	K-99080-145	30929
R30	Resistor, 8200 ohm $\pm 5\%$, 1/2 watt	K-99080-181	14250
R31, R32	Resistor, 27,000 ohm, 2 watt	K-99083-79	44213
R33	Resistor, same as R8		
R34	Resistor, 0.68 megohm, 1/2 watt	K-82283-96	30562
R35	Resistor, 10 ohm, 1/2 watt	K-82283-38	34761
R36	Resistor, same as R34		
R37	Resistor, 6800 ohm, 1/2 watt	K-82283-72	14659
R38	Resistor, 10,000 ohm, 1 watt	K-99081-74	71914
R39	Resistor, 330 ohm, 1 watt	K-99081-56	11670
R40	Resistor, 47,000 ohm, 2 watt	K-99083-82	44211
R41	Resistor, 56,000 ohm, 1/2 watt	K-82283-83	30650
R42	Resistor, 68,000 ohm, 1 watt	K-99081-84	38897
R43	Resistor, 7500 ohm, 5 watt	M-428781-49	52975
R44	Resistor, 220 ohm, 1/2 watt	K-82283-54	5201
R45	Resistor, 470 ohm, 1/2 watt	K-82283-58	30499
R46	Resistor, 330,000 ohm, 1 watt	K-99081-92	38892
R47	Resistor, 180 ohm, 1 watt	K-99081-53	2736
R48	Resistor, same as R23		
R49	Resistor, 1.0 megohm, 1/2 watt	K-82283-98	30652
R50	Resistor, same as R3		
R51	Resistor, same as R2		
R52	Resistor, same as R39		
R53	Resistor, 82 ohm, 1/2 watt	K-99080-49	13961
R54	Resistor, same as R35		
R55	Resistor, 18,000 ohm, 2 watt	K-99083-77	39158
R56	Resistor, same as R31		
R57	Resistor, 1500 ohm $\pm 5\%$, 5 watt	M-443853-3	52436
R58	Resistor, same as R14		
R59	Resistor, same as R53		
R60	Resistor, 680 ohm, 1 watt	K-99081-60	19233

FIELD CAMERA CONTROL, MI-26065-A--continued

SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
R61	Resistor, 100,000 ohm, 1 watt	K-90496-86	72635
R62	Resistor, same as R57		
R63	Resistor, same as R14		
R64	Resistor, same as R35		
R65	Resistor, same as R3		
R66	Resistor, same as R49		
R67	Resistor, same as R38		
R68	Resistor, same as R6		
R69	Resistor, 2.7 megohm, 1/2 watt	K-99080-103	72788
R70	Resistor, 15 ohm, 1/2 watt	K-99080-40	11565
R71	Resistor, 1200 ohm, 1/2 watt	K-82283-63	30731
R72	Resistor, same as R49		
R73	Resistor, 5600 ohm, 1 watt	K-99081-71	38886
R74	Resistor, 1200 ohm, 1 watt	K-99081-63	38896
R75	Resistor, 1.0 megohm, 1 watt	K-99081-98	71993
R76	Resistor, variable, 2.0 megohm, 1 watt	M-433196-24	52437
R77	Resistor, 39,000 ohm, 1 watt	K-99081-81	71084
R78	Resistor, same as R42		
R79	Resistor, same as R61		
R80	Resistor, 1.2 megohm, 1 watt	K-99081-99	43017
R81	Resistor, same as R39		
R82	Resistor, 22,000 ohm, 2 watt	K-99083-78	72629
R83	Resistor, same as R49		
R84, R85	Resistor, 820 ohm, 1/2 watt	K-82283-61	30158
R86	Resistor, same as R49		
R87	Resistor, same as R82		
R88	Resistor, 10,000 ohm, 1/2 watt	K-82283-74	3078
R89	Resistor, 820 ohm $\pm 5\%$, 1/2 watt	K-99080-157	30158
R90	Resistor, 120 ohm, 1/2 watt	K-82283-51	30189
R91	Resistor, variable, 200 ohm, 2 watt	M-433196-31	52438
R92	Resistor, 3.3 megohm, 1/2 watt	K-82283-104	31417
R93	Resistor, same as R35		
R94	Resistor, same as R49		
R95, R96	Resistor, same as R3		
R97	Resistor, 15,000 ohm, 1 watt	K-99081-76	70723
R98	Resistor, same as R3		
R99	Resistor, 39,000 ohm, 1 watt	K-99081-81	71084
R100	Resistor, 5600 ohm $\pm 5\%$, 1/2 watt	K-99080-177	30734
R101	Resistor, 1500 ohm $\pm 5\%$, 2 watt	K-99126-163	53292
R102	Resistor, variable, 50,000 ohm, 2 watt	M-433196-5	51944
R103	Resistor, same as R35		
R104	Resistor, same as R25		
R105	Resistor, 33,000 ohm, 2 watt	K-99126-80	28744
R106	Not Used		
R107	Resistor, same as R38		
R108	Resistor, same as R102		
R109	Resistor, 470,000 ohm, 1 watt	K-99081-94	72521
R110	Resistor, same as R45		
R111	Resistor, variable, 20,000 ohm, 2 watt	M-433196-29	52443
R112	Resistor, 150,000 ohm, 1/2 watt	K-82283-88	30493
R113	Resistor, same as R19		
R114	Resistor, same as R49		
R115, R116	Resistor, 10 megohm, 1 watt	K-99081-110	38899
R117	Not Used		
R118	Resistor, same as R19		
R119	Resistor, 2200 ohm $\pm 5\%$, 1 watt	K-99081-167	71991
R120	Resistor, 1200 ohm $\pm 5\%$, 1 watt	K-99081-161	38896
R121	Resistor, same as R75		
R122	Resistor, 47,000 ohm, 1 watt	K-90496-82	71988
R123	Resistor, 1000 ohm $\pm 5\%$, 1 watt	K-99081-159	71916
R124	Resistor, same as R45		
R125	Resistor, same as R49		
R126	Resistor, same as R73		
R127	Resistor, same as R88		
R128	Resistor, same as R6		
R129	Resistor, same as R69		
R130	Resistor, same as R70		
R131	Resistor, 820 ohm, 1 watt	K-99081-61	68025
R132	Resistor, 15 ohm, 1 watt	K-99081-40	38859
R133	Resistor, variable, 20 ohm, 2 watt	M-433196-10	54416
R134	Resistor, same as R6		

FIELD CAMERA CONTROL, MI-26065-A--continued

SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
R135	Resistor, same as R49		
R136	Resistor, same as R44		
R137	Resistor, same as R35		
R138	Resistor, same as R49		
R139	Resistor, 8.2 megohm, 1 watt	K-99081-109	54433
R140	Resistor, variable, 50,000 ohm, 2 watt	M-433196-5	51944
R141	Resistor, same as R122		
R142	Resistor, 2200 ohm, 1 watt	K-99081-66	71991
R143	Resistor, same as R6		
R144	Resistor, 270,000 ohm, 1/2 watt	K-82283-91	30651
R145, R146	Resistor, same as R84		
R147	Resistor, same as R49		
R148	Resistor, 22,000 ohm, 1 watt	K-99081-78	71989
R149	Resistor, same as R49		
R150	Resistor, same as R45		
R151	Resistor, same as R19		
R152	Resistor, variable, 500,000 ohm, 2 watt	M-433196-2	52442
R153	Resistor, 560,000 ohm, 1 watt	K-99081-95	32726
R154	Resistor, same as R109		
R155, R156	Resistor, 3.9 megohm, 1 watt	K-99081-105	44046
R157	Resistor, 270,000 ohm, 1 watt	K-99081-91	19232
R158	Resistor, 220,000 ohm, 1 watt	K-99081-90	54449
R159, R160	Resistor, variable, 1.0 megohm	M-428024-512	52440
R161	Resistor, 1500 ohm, 1 watt	K-99081-64	72762
R162	Resistor, 3900 ohm, 1 watt	K-99081-69	38894
R163	Resistor, same as R49		
R164, R165	Resistor, same as R35		
R166	Resistor, same as R49		
R167	Resistor, same as R46		
R168	Not Used		
R169	Resistor, 100,000 ohm, 1/2 watt	K-82283-86	3252
R170	Resistor, same as R140		
R171	Resistor, 27,000 ohm, 1 watt	K-90496-79	71990
R172	Resistor, 270 ohm, 5 watt	M-443853-24	54269
R173	Not Used		
R174	Resistor, same as R25		
R175	Resistor, same as R23		
R176	Resistor, variable, 500,000 ohm, 2 watt	M-433196-30	52444
R177	Resistor, 2700 ohm, 1 watt	K-99081-67	14421
R178	Resistor, 82 ohm, 2 watt	K-99083-49	52845
R179, R180	Resistor, 270 ohm, 1 watt	K-99081-55	30497
R181	Resistor, same as R133		
R182	Not Used		
R183	Resistor, variable, 100,000 ohm, 2 watt	M-433196-4	51924
R184	Resistor, same as R155		
R185 to R194	Resistor, same as R157		
R195	Resistor, same as R159		
R196 to R198	Resistor, same as R157		
R199	Not Used		
R200	Resistor, same as R18		
R201	Not Used		
R202	Resistor, same as R61		
R203	Resistor, same as R176		
S1	Switch, pushbutton type	K-8830512-1	17612
S2	Switch, selector, CRO sweep	K-881784-1	52451
S3	Switch, power	M-95559-7	52452
S4, S5	Switch, interlock	K-99119-1	48337
S6	Switch, selector, cable length	K-834682-5	19627
S7	Switch, toggle, DPDT	M-95559-5	93263
T1, T2	Coil Assembly	P-739772-506	51907
T3	Coil Assembly	P-739772-507	52454
T4	Not Used		
T5 to T7	Coil Assembly	P-739772-501	52453
T8	Coil Assembly	P-739772-503	52456
T9	Transformer, kinescope vertical output	K-895383-1	51910
T10	Not Used		
T11	Transformer, kinescope horizontal output	K-901813-501	51911
T12	Transformer	K-901901-501	52457
T13	Transformer	K-901900-2	93559
X1 to X7	Socket, octal, saddle type	K-99390-1	54414
X8	Socket, 7-pin miniature	K-99370-2	54271

FIELD CAMERA CONTROL, MI-26065-A--continued

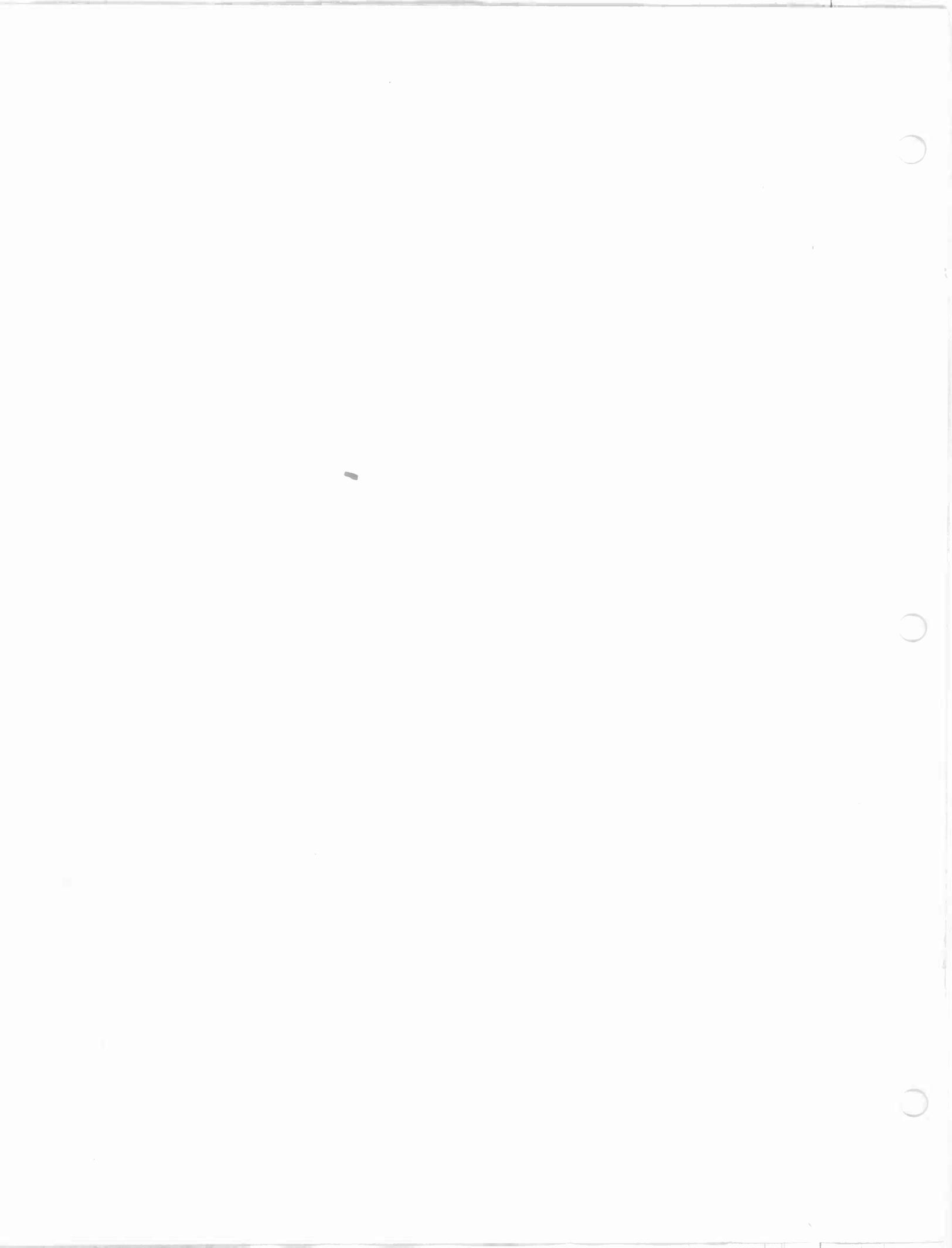
SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
X9 to X21	Socket, same as X1		
X22	Socket, 4-pin, for high voltage rectifier	K-252406-3	65451
X23 to X27	Socket, same as X1		
X28, X28A	Socket, flanged, double contact, bayonet type	K-845529-1	48250
X29	Socket, 11-pin magnal, for CRO tube	M-426794-1	9963
X30	Socket Assembly for kinescope	K-895382-501	
	Socket only, part of X30	K-844041-503	18007
X31	Tally light	K-99042-6	
	Lamp only	K-849546-16	54936
	Jewel only, green	K-99042-22	43738
	Socket only	K-99042-26	43735
X32	Socket, for relay E1, same as X1		
Y1	Yoke, deflecting	P-727966-502	53293
	Cap, dust for J6, J7	K-887140-1	52007
	Cap, dust for J5	M-441522-7	52957
	Cap, dust for J1	M-441522-4	52958
	Cap, dust for J2	M-441522-5	52959
	Cap, dust for J3	M-441522-6	52006
	Cap, dust for J4	M-441522-2	52005
	Handle, carrying	K-859068-503	52960
	Holder, fuse	K-99081-1	48551
	Knob, control	P-712336-507	30075
	Insulator, support for C16	K-844390-4	69295
	Plate, capacitor mounting, steel, for C1, C2, C5, C9, C22, C34, C48, C49	K-85559-3	
	Plate, capacitor mounting, steel, for C3, C36	K-85559-2	
	Plate, capacitor mounting, phenolic for C44	K-85558-2	28452

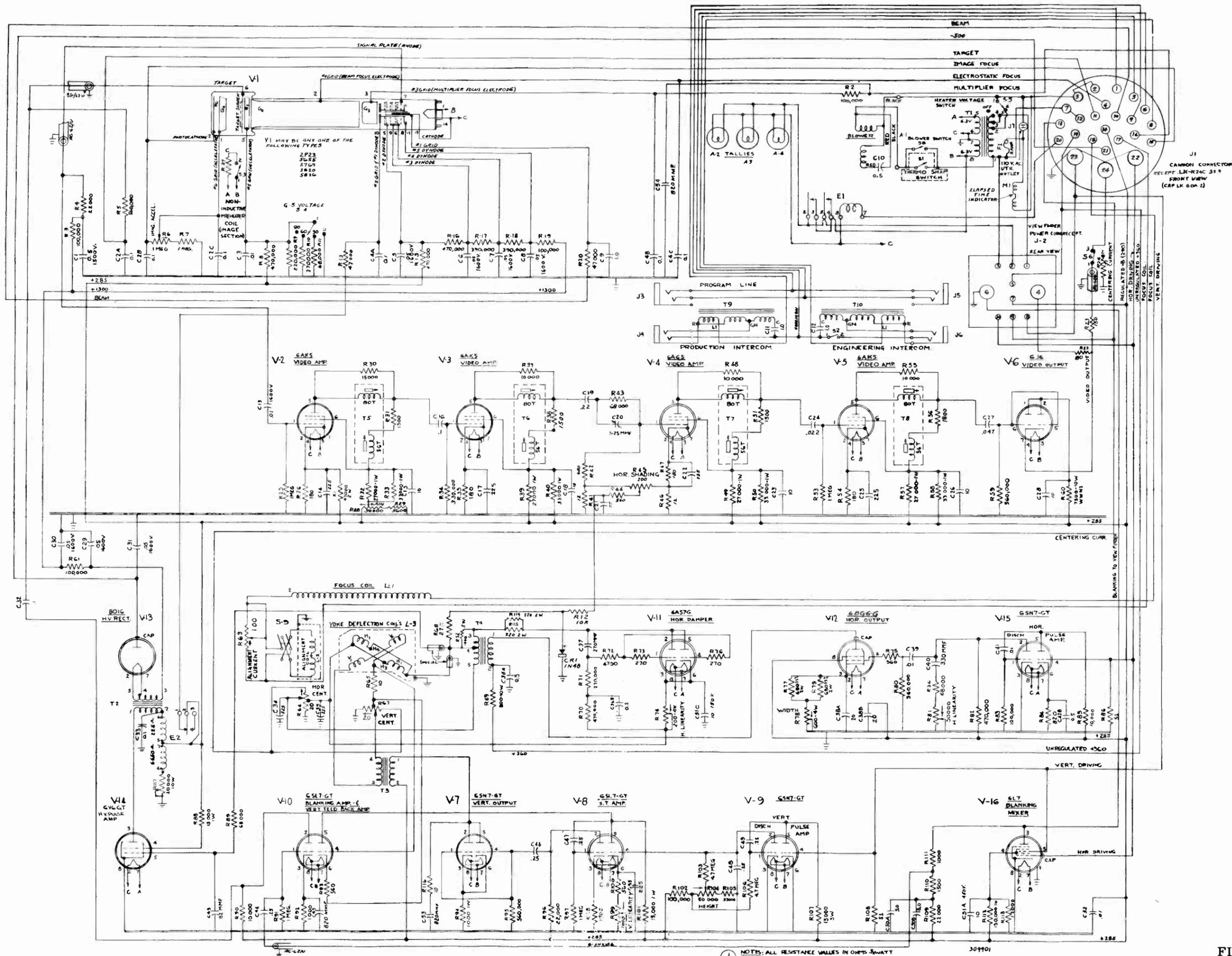
FIELD POWER SUPPLY, MI-26095-A

A1	Motor, blower	M-426376-503	
	Motor only	M-447145-2	94340
C1 to C3	Capacitor, 125 mfd, 350 volt	M-86033-1	93406
C4	Capacitor, 1000 mfd, 25 volt	M-86023-6	18374
C5, C6	Capacitor, 1.0 mfd, 600 volt	K-895406-3	56124
C7	Capacitor, 50-40 mfd, 450 volt	M-86045-8	44835
C8	Capacitor, 0.10 mfd, 400 volt	P-72061-514	67910
C9	Capacitor, 0.01 mfd, 600 volt	P-72061-538	51628
C10	Capacitor, same as C8		
C11 to C13	Capacitor, same as C1		
E1	Relay	K-899439-1	54175
E2	Not Used		
F1	Fuse, 10 ampere (type 4AG)	K-55544-33	61971
F2	Fuse, 15 ampere (type 4AG)	K-55544-31	18681
F3	Fuse, 2 amperes, 1000 volt	K-98578-5	52069
F4	Fuse, same as F2		
J1	Connector, power output	P-722805-10	52105
J2	Connector, power input	P-722805-19	52003
J3	Receptacle, utility outlet	K-895389-1	52004
J4	Jack, for meter	K-845307-6	52104
M1	Voltmeter, 0-150 volt a-c	K-859073-1	44919
R1	Resistor, wire wound, 200,000 ohm $\pm 1\%$, 1 watt	K-35858-40	52015
R2	Resistor, wire wound, 2 ohm $\pm 2\%$, 1 watt	K-99317-52	51597
R3	Resistor, wire wound, 10 ohm $\pm 2\%$, 1 watt	K-99317-54	51598
R4 to R8	Resistor, wire wound, 5 ohm $\pm 2\%$, 1 watt	K-99317-53	52979
R9	Resistor, 100 ohm, 1/2 watt	K-82283-50	502110
R10	Resistor, 180 ohm, 2 watt	K-99126-53	53122
R11	Resistor, 270 ohm, 1 watt	K-90496-55	30497
R12	Resistor, 10 ohm, 1 watt	K-99081-38	69640
R13, R14	Resistor, same as R11		
R15	Resistor, same as R12		
R16, R17	Resistor, same as R11		
R18	Resistor, same as R12		
R19, R20	Resistor, same as R11		
R21	Resistor, same as R12		
R22, R23	Resistor, same as R11		
R24	Resistor, same as R12		
R25	Resistor, same as R11		
R26	Resistor, 470,000 ohm, 1 watt	K-90496-94	72521

FIELD POWER SUPPLY, MI-26095-A--continued

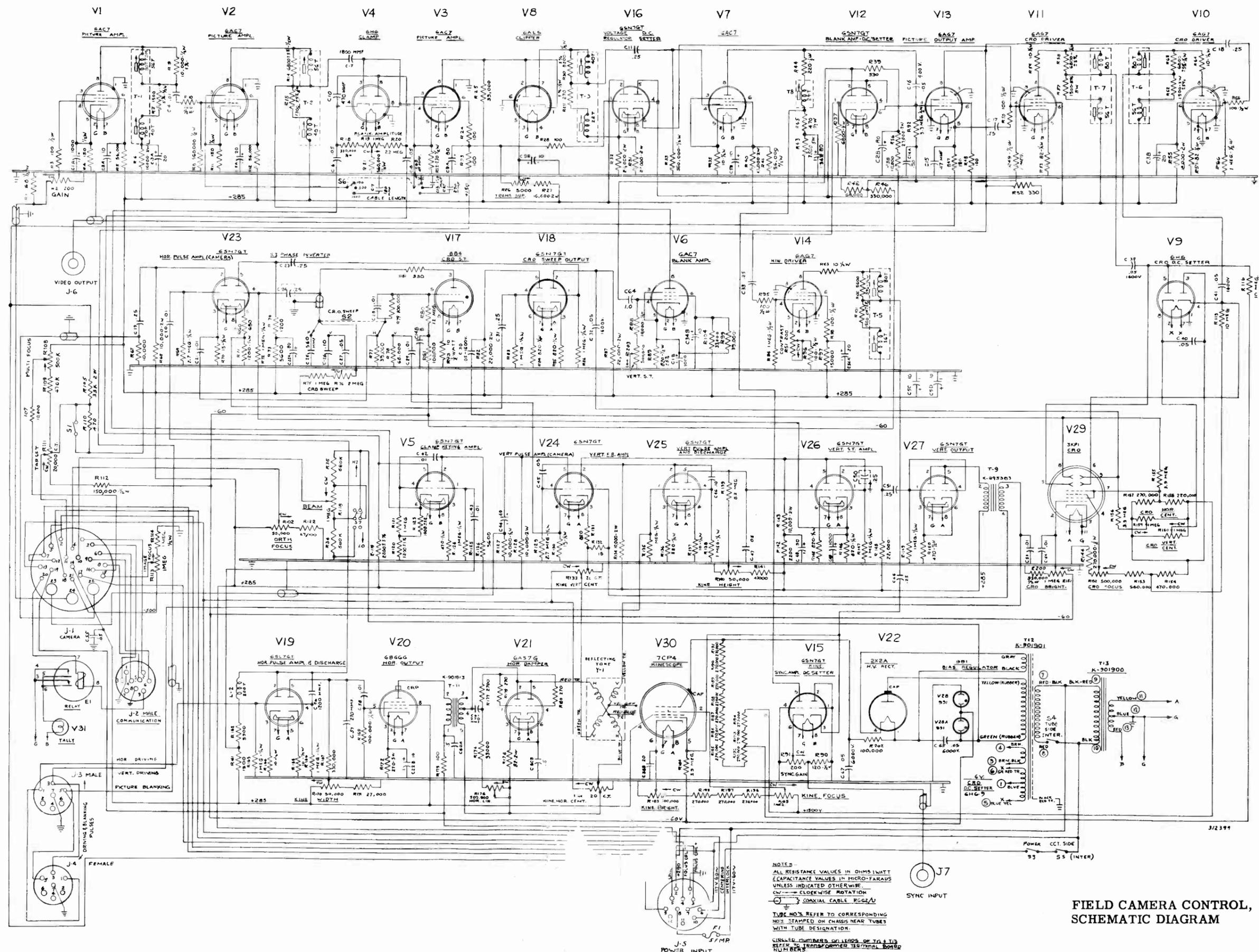
SYMBOL NO.	DESCRIPTION	DRAWING NO.	STOCK NO.
R27	Resistor, 10,000 ohm, 1 watt	K-90496-74	71914
R28	Resistor, same as R26		
R29	Resistor, 1.0 megohm, 1 watt	K-99081-98	71993
R30	Resistor, 22 ohm, 1 watt	K-99081-42	39930
R31	Resistor, 2700 ohm, 2 watt	K-99126-67	33855
R32	Resistor, same as R12		
R33	Resistor, 7500 ohm, 10 watt	K-844908-34	76266
R34	Resistor, adjustable, 20 ohm, 25 watt	M-427491-12	52017
R35	Resistor, same as R26		
R36	Resistor, variable, 50,000 ohm	M-433196-23	52018
R37	Resistor, 68,000 ohm, 1 watt	K-99081-84	38897
R38	Resistor, 1200 ohm $\pm 10\%$, 25 watt	M-427491-13	52019
R39	Resistor, 15,000 ohm, 1 watt	K-90496-76	70723
R40	Resistor, 12,000 ohm, 1 watt	K-99081-75	512312
R41	Resistor, 390,000 ohm, 1 watt	K-99081-93	32725
R42	Resistor, variable, 250,000 ohm	M-433196-21	51589
R43	Resistor, 5000 ohm, 10 watt	K-878435-4	50854
R44	Resistor, wire wound, 50 ohm $\pm 2\%$, 1 watt	K-99317-55	51596
R45	Resistor, same as R2		
R46	Resistor, same as R26		
R47 to R50	Resistor, 220,000 ohm, 1 watt	K-90496-90	54449
S1	Switch, meter selector	M-441534-1	51590
S2	Switch, line-voltage raise	M-441684-1	52001
S3	Switch, interlock	K-99119-1	54591
S4	Not Used		
S5	Switch, interlock	K-99119-2	54592
T1	Transformer, power	M-455451-1	94341
T2, T3	Reactor, filter	M-441544-1	52021
X1 to X16	Socket, octal, saddle type	K-99390-1	54414
	Cap, dust, for J1	M-441522-3	52106
	Cap, dust, for J2	M-441522-6	52006
	Connector, fan duct, 9-3/4" x 1-1/2"	K-858529-501	52014
	Connector, fan duct, 7-7/16" x 1-1/2"	K-858529-504	57197
	Filter, air	M-426341-1	56570
	Handle, carrying	K-859068-502	52960
	Holder, fuse	K-99088-1	48551
	Knob	P-712336-505	17268
	Plate, capacitor mounting, steel, for C12	K-85559-3	
	Plate, capacitor mounting, phenolic, for C1 to C4, C7, C11, C13	K-85558-3	18469





NOTES: ALL RESISTANCE VALUES IN OHMS UNLESS OTHERWISE INDICATED OTHERWISE
 CAPACITANCE VALUES IN MICRO-FARADS UNLESS OTHERWISE INDICATED OTHERWISE
 TUBE NUMBERS REFER TO CORRESPONDING NUMBERS STAMPED ON CHASSIS NEAR TUBES WITH TUBE DESIGNATION
 309901
 10-490 COILS OF SPECIAL COILS

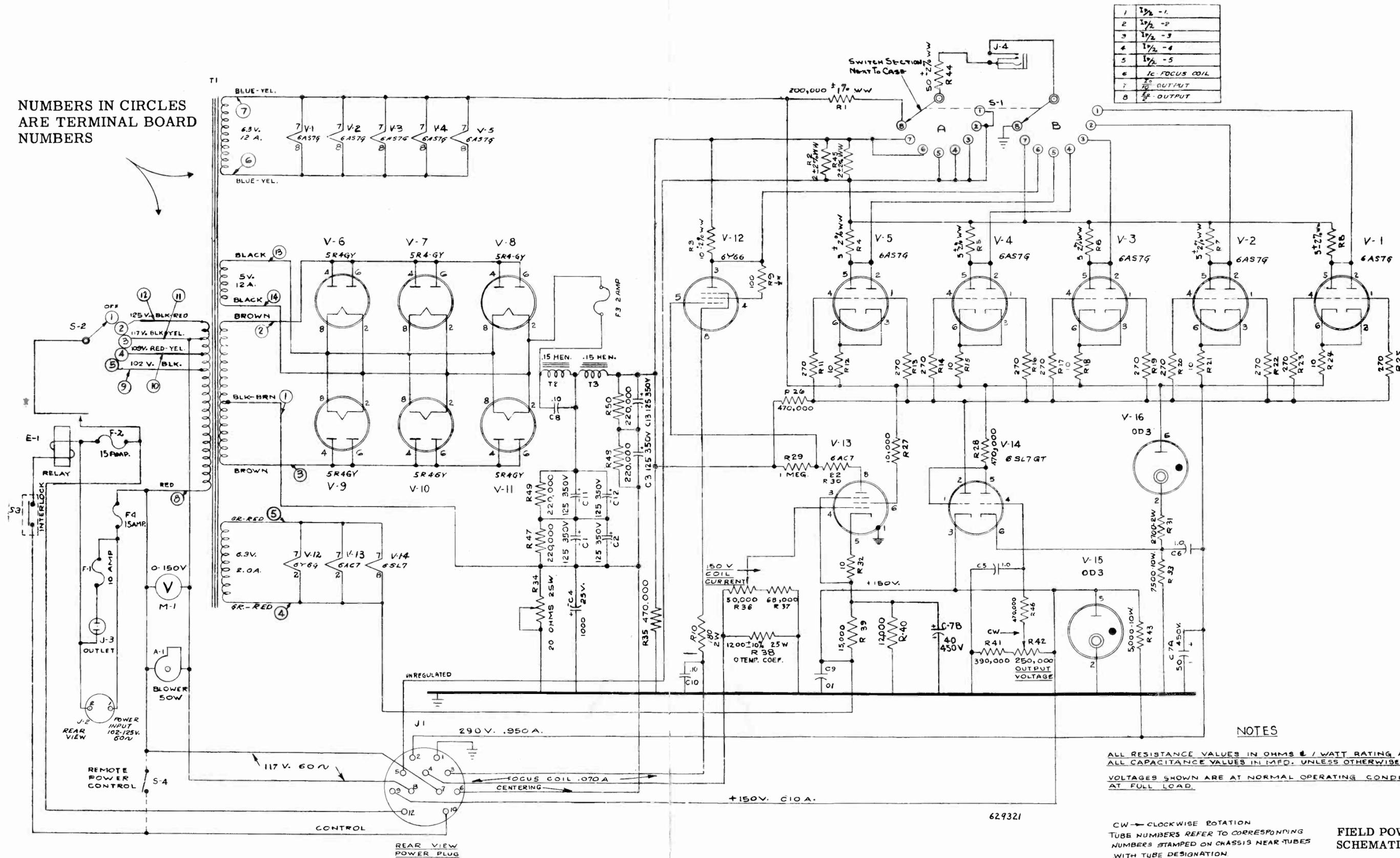
FIELD CAMERA, MI-2610-B, SCHEMATIC DIAGRAM



NOTES:
 ALL RESISTANCE VALUES IN OHMS UNLESS OTHERWISE INDICATED
 CAPACITANCE VALUES IN MICRO-FARADS UNLESS OTHERWISE INDICATED
 CW = CLOCKWISE ROTATION
 CCW = COUNTERCLOCKWISE ROTATION
 CON. = CONN. CABLE
 TUBE NOS. REFER TO CORRESPONDING NOS. STAMPED ON CHASSIS NEAR TUBES WITH TUBE DESIGNATION.
 CIRCLED NUMBERS ON LEADS OF T12 & T13 REFER TO TRANSFORMER TERMINAL NUMBERS.

FIELD CAMERA CONTROL, MI-26065-A, SCHEMATIC DIAGRAM

NUMBERS IN CIRCLES ARE TERMINAL BOARD NUMBERS



NOTES

ALL RESISTANCE VALUES IN OHMS & / WATT RATING AND ALL CAPACITANCE VALUES IN MFD. UNLESS OTHERWISE SPECIFIED
 VOLTAGES SHOWN ARE AT NORMAL OPERATING CONDITIONS AT FULL LOAD.

CW → CLOCKWISE ROTATION
 TUBE NUMBERS REFER TO CORRESPONDING NUMBERS STAMPED ON CHASSIS NEAR TUBES WITH TUBE DESIGNATION.

FIELD POWER SUPPLY, MI-26095-A, SCHEMATIC DIAGRAM