

# INSTRUCTIONS

FOR

## CINEMECCANICA

V-4E, V-4ES



INTERNATIONAL CINEMA EQUIPMENT

**A Division of Magna-Tech Electronic Co., Inc.**

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## CINEMECCANICA V-IVE or V-IVES PROJECTORS

The Cinemeccanica Victoria IV Series Projectors have been designed to operate as a semi-portable or fixed operation in small theatres and screening rooms. Basically it is a compact, heavy-duty 35mm. system requiring only the Xenon lamphouse, bulb, power supply, lens, reels, and speaker system for operation.

In common with all Cinemeccanica projectors, the optical sound reproducer is an integral part of the projector thus eliminating the conventional sound head.

The normally supplied three lens turret on the open type projector will accept on 2 25/32" lens and two 2 1/2" (62.5mm.) diameter lenses. All lenses for the V-IV Series Projectors are available from Carbons, Inc.

The "swingaway" type Cinemascope lens bracket is provided to enable a fast change in format to be made as well as supplying a place to store this lens when not in use. It should be noted that there is no mechanical connection between the Cinemascope lens and its backup lens.

This projector has been designed and guaranteed only for operation with "safety" type film and should meet all local requirements for such equipment.

The CX-450 and CX-900 lamphouses are used with the V-IVE system with short table. The 400-16C4 or 400-16C are used with the V-IVE with extended table. Only the CX-1600 is used with the V-IVES system.

Special features include such items as zipper type sound and picture changeover, dual aperture plates, germanium photojunction (or solar cell) type sound detector, oil pump and heavy-duty intermittent movement. A heavy-duty motor with capacitor type starting is used to eliminate the usual internal centrifugal switch. Use of the large 26" magazines and the small space requirement of the machine makes it ideal for many situations, especially the Mini-Theatre type operation.

# XeTRON

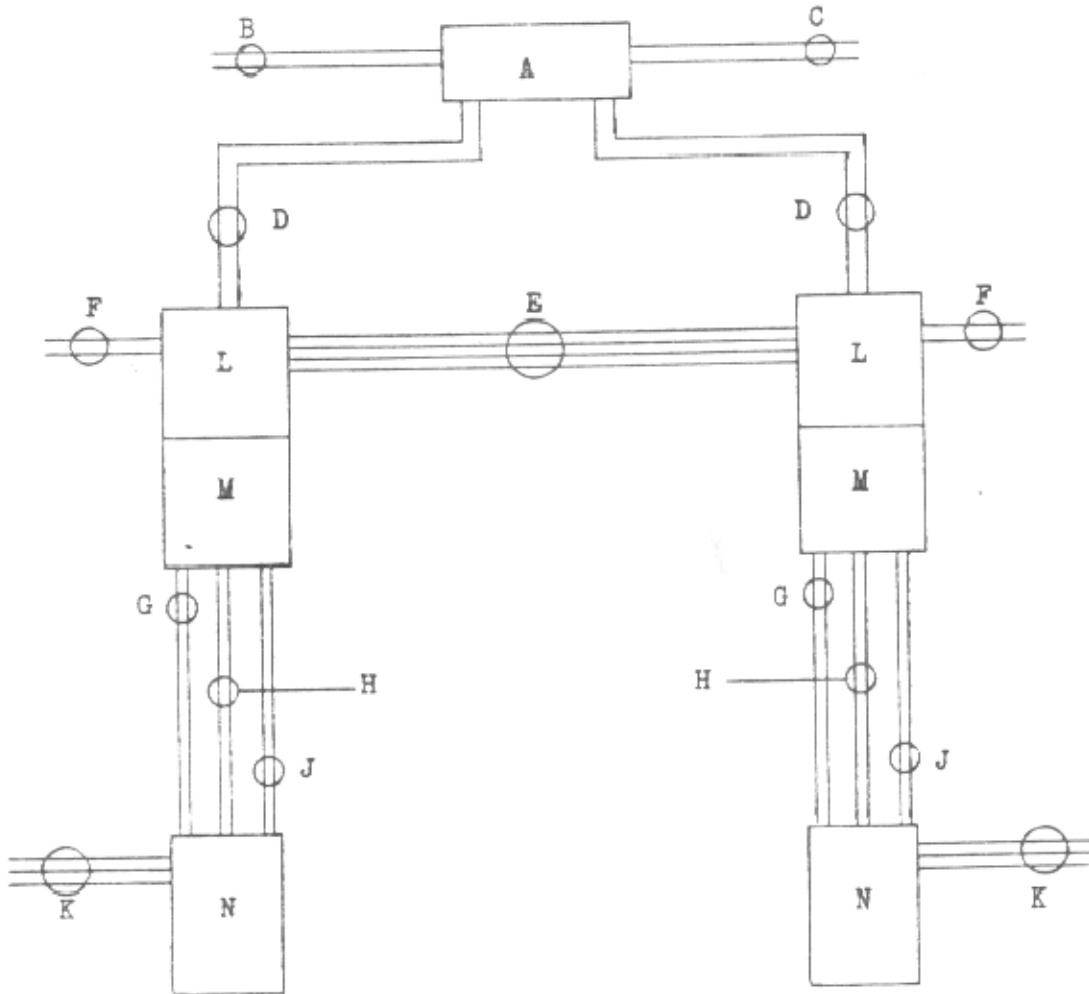
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EDAR KNOLLS, N. J. 07927

## WIRING

### TWO PROJECTOR INSTALLATION

8/20/69

DWG. #5333C



A	C-40PT complete sound system	
B	115/230V AC input.....	3 #14 (1 gd.)
C	Speaker circuit .....	2 #12
D	Optical sound cables - Belden 8413 or equivalent	
E	Sound and picture changeover .....	4 #14
F	115V AC for projector and accessories .....	3 #14
G	Remote on/off for power supply .....	2 #14
H	220V for ignition .....	2 #14
J	DC - see dwg. #7000-A	
K	AC input to power supply see dwg. #7000-A	
L	Projectors 1 & 2	
M	Lamphouses 1 & 2	
N	Power supplies 1 & 2	

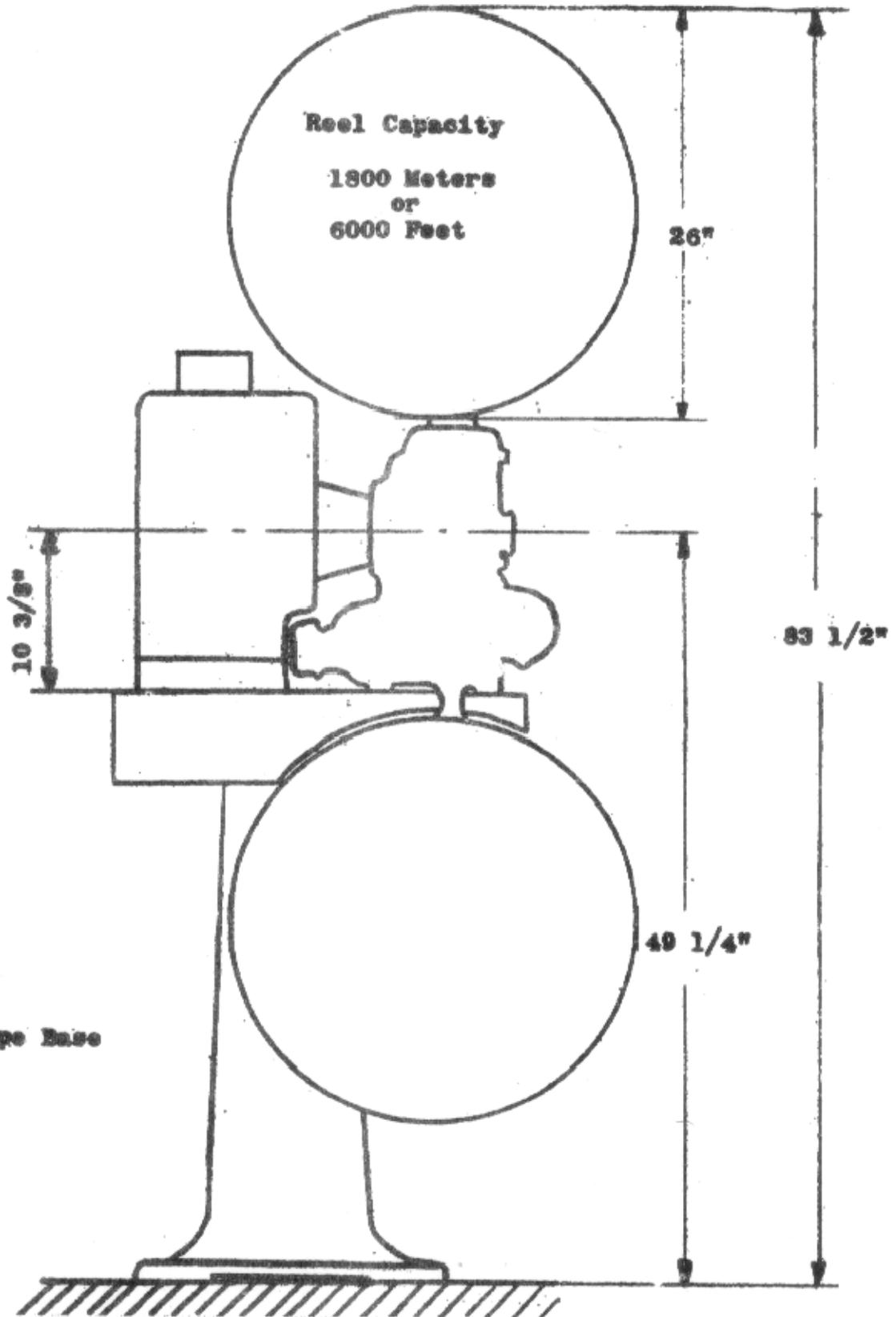
Check local codes for proper conduit sizes, etc.

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VICTORIA IV  
SLIM LINE BASE

DWG 5927

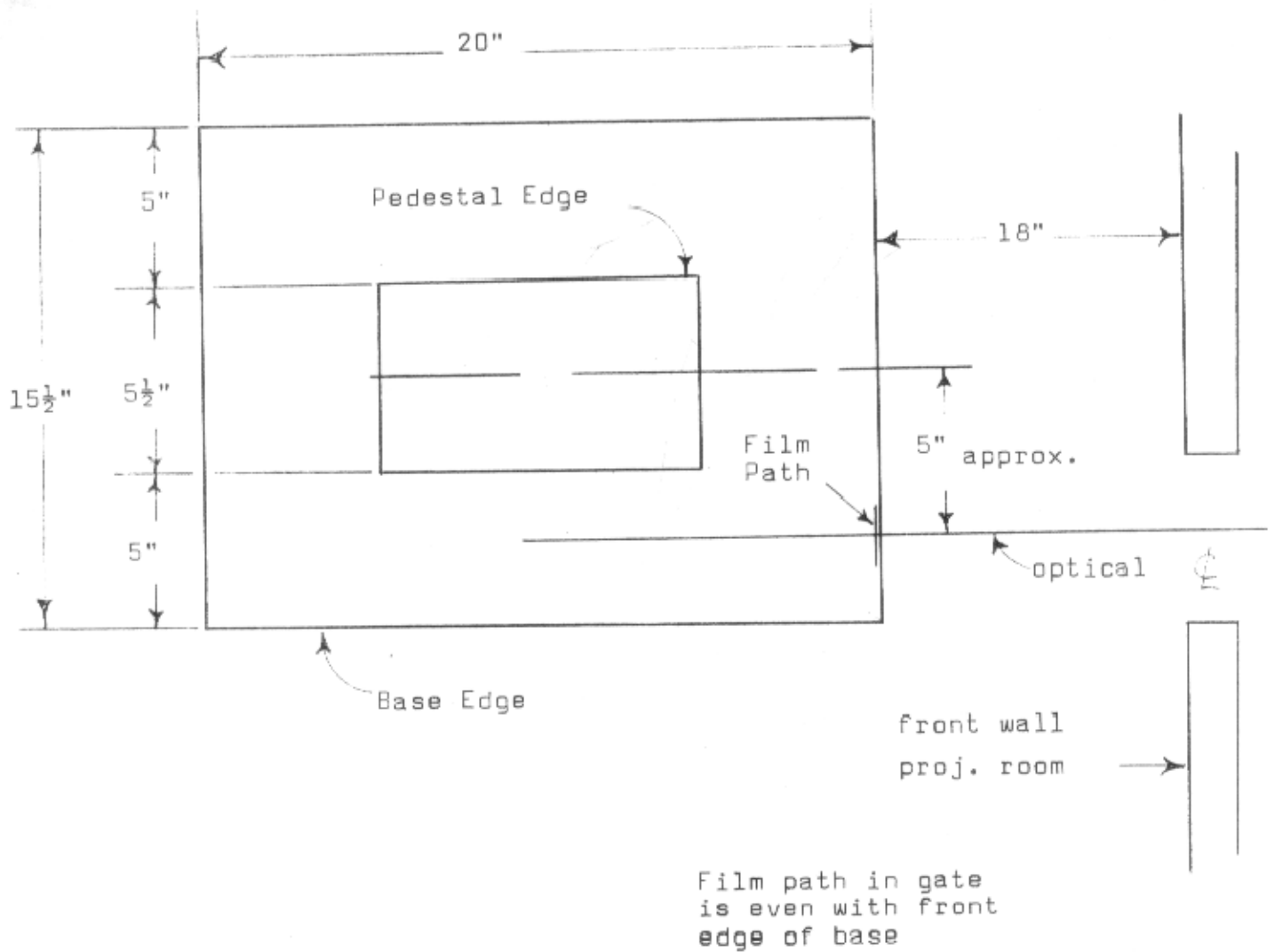


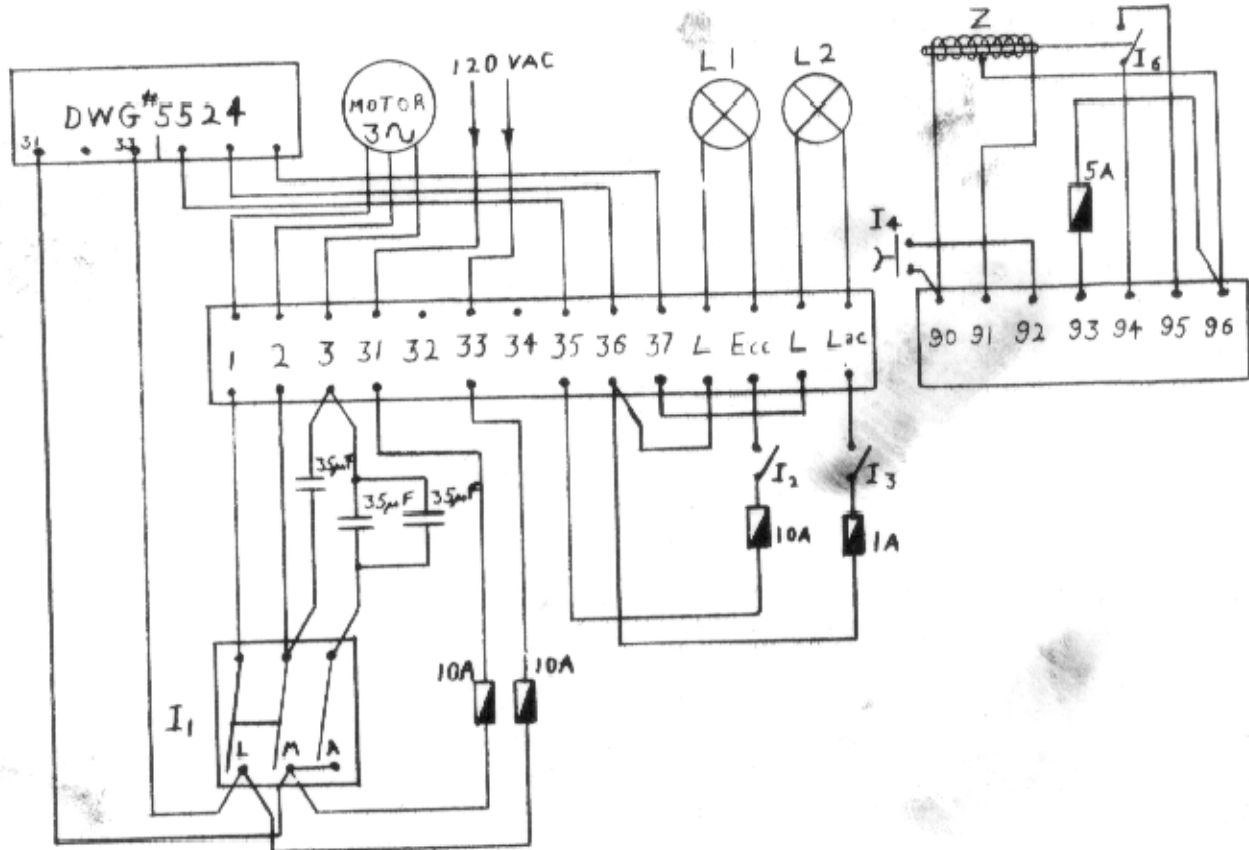
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## VICTORIA 4E PEDESTAL DIMENSIONS

Date: 7/1/70





LEGEND

- I 1 - MOTOR START SWITCH
- I 2 - EXCITER LAMP SWITCH
- I 3 - FRAMING LAMP SWITCH
- I 4 - CHANGEOVER PUSH-BUTTON
- I 6 - SOUND MICROSWITCH
- Z - PICTURE C/O SOLENOID (ZIPPER)
- L 1 - EXCITER LAMP #0080
- L 2 - FRAMING LAMP #1487

SEE DRAWING #5965

NOTE: VICTORIA IV/E (Small Lamphouse Table with CX Type Lamphouse and Enclosed Base).

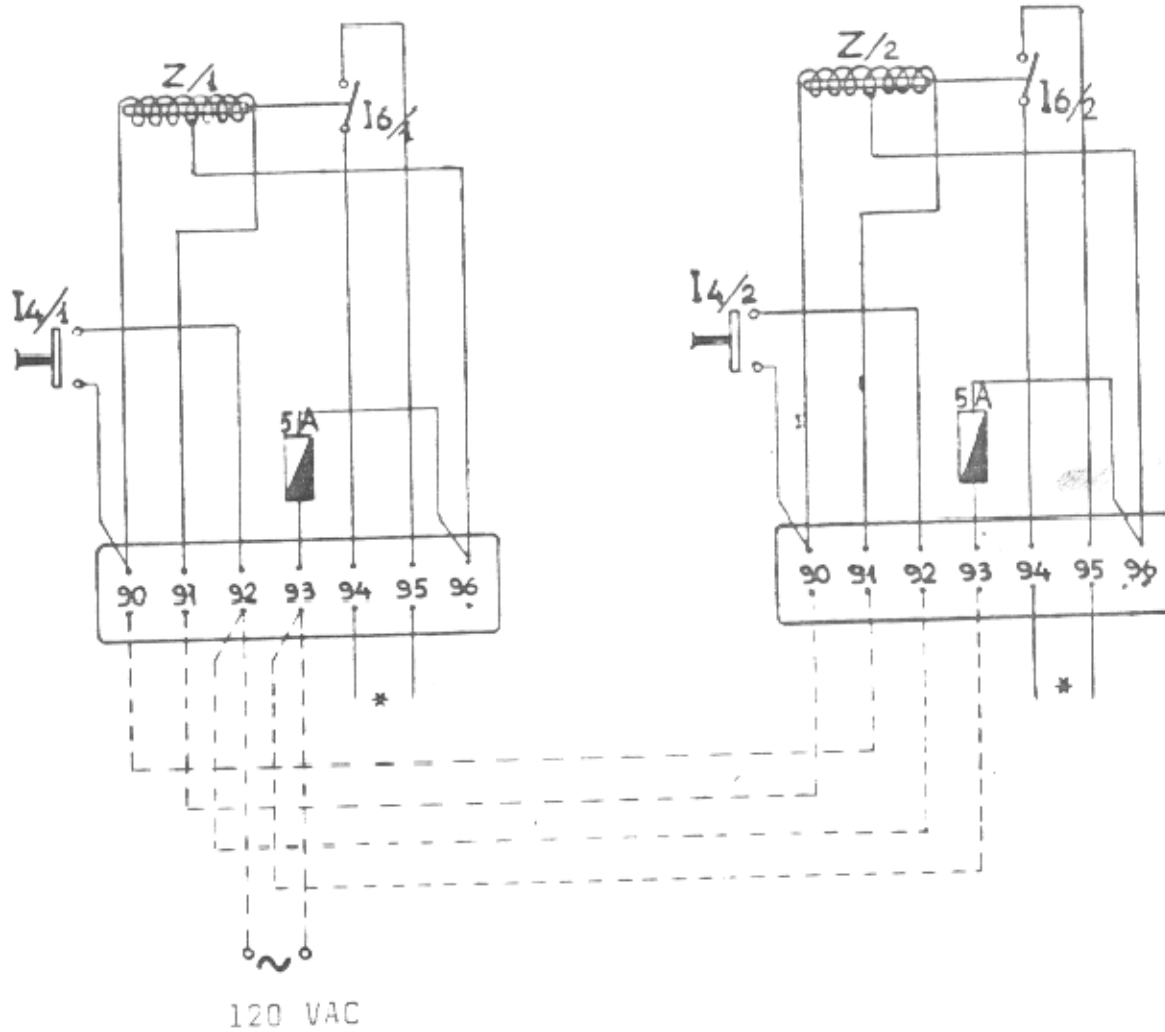
VICTORIA IV/EtX (Small Lamphouse Table - Open Type Tubular Base with CX Type Lamphouse).

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 Carbons, Inc.  
 Cedar Knolls, N.J.  
 U. S. A.

VICTORIA IV/E  
 PICTURE CHANGEOVER CONTROL  
 FOR V-IVES SEE DWG. #6032

Date: 4/5/68

Drawing #5965



LEGEND

- I 4 - CHANGEOVER PUSH-BUTTON
- I 6 - SOUND MICROSWITCH
- Z - PICTURE C/O SOLENOID (ZIPPER)

- \* When used with a preamp./amp. such as the C40-PT microswitch I6 is placed in series with the exciter lamp lead (terminal #35 on the exciter lamp terminal board). Remove wire (if connected) marked #35 and connect to terminal #94. Run a short lead of #14 wire from terminal #95 to #35.
- \* When used with individual preamps such as the POS/65T connect lead coming from U1 (on each preamp terminal strip) to #94 and U2 to #95 on each projector.

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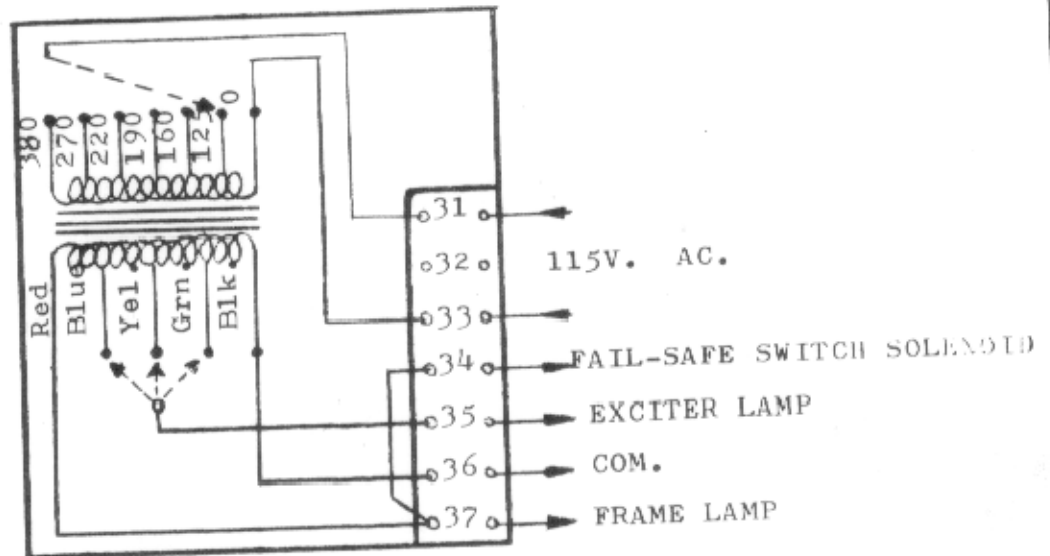
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CINEMECCANICA

EXCITER LAMP, FRAMING LAMP, FAIL-SAFE  
SUPPLY

DWG.#5524

8/28/69



RECOMMENDED EXCITER LAMP VOLTAGE - 3 V (YELLOW WIRE)

FRAMING LAMP VOLTAGE - 7.5V (RED WIRE)

PRIMARY VOLTAGE ADJUSTABLE - 125V TO 380V

EXCITER LAMP VOLTAGE ADJUSTABLE BY CONNECTING TERMINAL #35  
TO BLUE, YELLOW OR GREEN WIRE.



# XeTRON

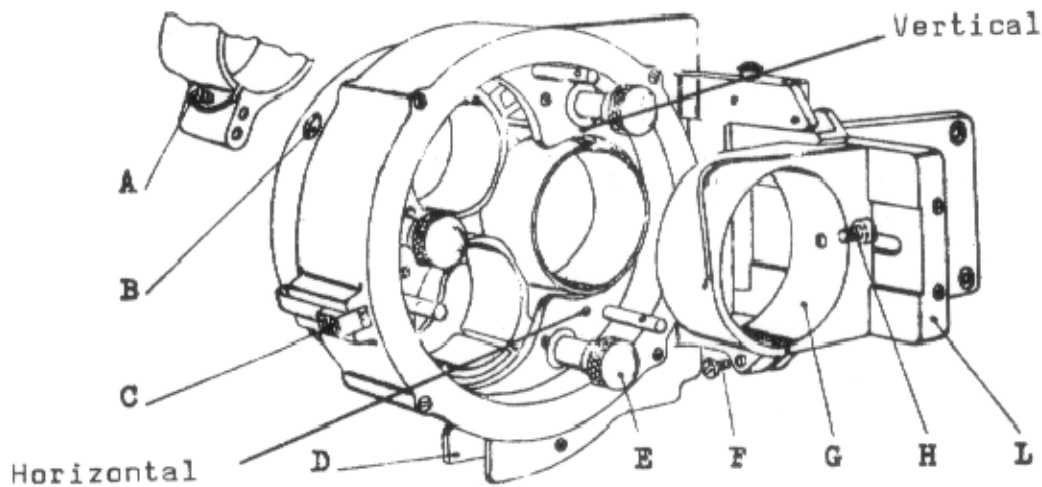
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CINEMECCANICA PROJECTOR

THREE LENS TURRET

Dwg. #10128

Date: 1/15/70



This lens turret is standard equipment on most Cinemeccanica Victoria projectors. It has been designed to mount one lens having a diameter of 70.6mm. ( $2\frac{25}{32}$ " ) and two lenses having diameters of 62.5mm. ( $2\frac{7}{16}$ " ). Both diameter lenses are available from CARBONS, INC. A special adapter, part number 10-661K, is also available to permit mounting of some standard 70.6mm. lenses in the smaller mounts by placing the adapter over the 53.5 diameter section of the lens.

The 70.6mm. mount has been centered at the factory for use with 70mm or 35mm magnetic print apertures. The two 62.5 mounts are centered for wide screen and optical Cinemascope apertures. Each mount has its focus knob, shown as E on Fig. 1. This knob will be located over the lens being used. A lens locking screw A is provided for each lens and is accessible thru hole B. It may be necessary to adjust the focus knob associated with this mount to make the screw visible.

It is necessary to swing the turret forward for threading. This is done after moving the latch D forward. The turret can be rotated in either direction after depressing latch C. When using some short focal length lenses, it may be necessary to swing the turret forward before rotating to the next lens as there may be a mechanical interference of the short focal length lens and the gate tension adjusting screws.

When each lens is in position, facilities are available to move each mount vertically and horizontally by a small distance as an aid to properly centering the picture. A slotted shaft can be seen over (vertical) and below (horizontal) each lens mount when in position for projecting. After loosening the Allen set screws (located on the back edge of the main turret casting) securing these shafts, they can be turned to change slightly the centering of these mounts.

Before any aperture plates are filed, a test film should be projected to properly align the center of each mount being used with the center of the screen using the wide screen lens. With the Scope backup lens in position, the projected center on the screen should not change when the swingaway bracket and Cinemascope lens is moved into position. If it should change, two small Allen set screws with locking nuts (located on the swing bracket assembly) are provided to center the Scope lens. Allen screw H is provided to adjust the Scope holding bracket in and out in relation to the backup lens. Ordinarily a one half inch spacing between the two lenses is normal.

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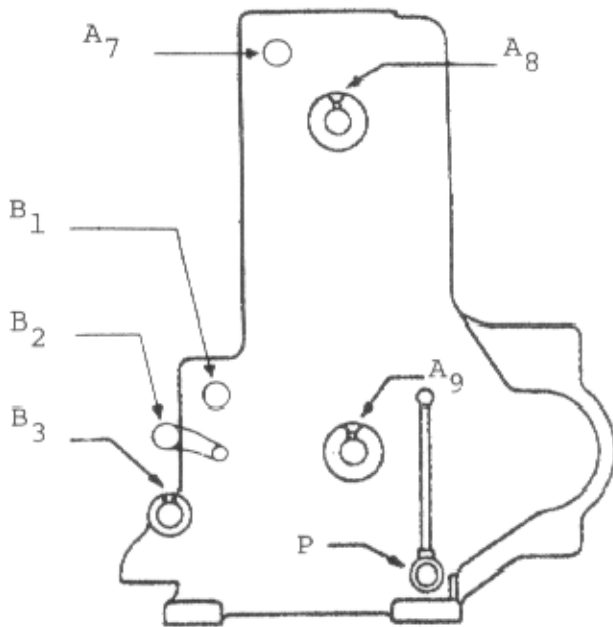
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## VICTORIA IV OILING INSTRUCTIONS

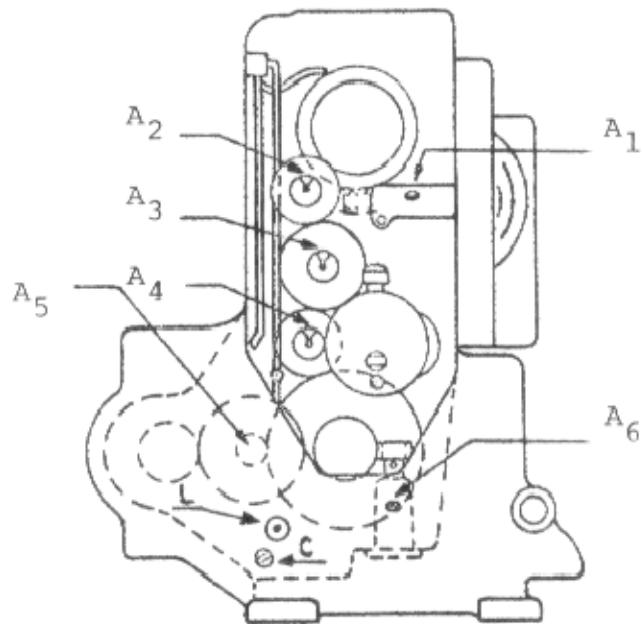
DWG #5153-A

Date: 11/4/71

### OUTSIDE VIEW

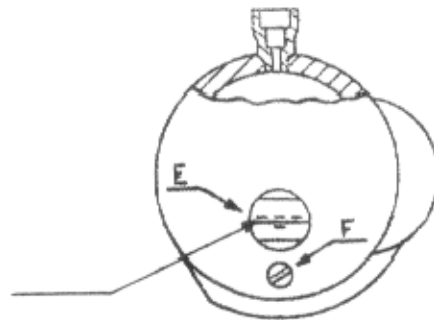


### INSIDE VIEW



### INTERMITTENT ASSEMBLY

INTERMITTENT OIL  
LEVEL - CENTER OF  
GLASS - MACHINE  
NOT RUNNING



(See next page for details)

# XETRON

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CEDAR KNOLLS, N. J. 07927

201 - 267 - 8200

## VICTORIA IV/E OILING INSTRUCTIONS

( SEE DRAWING 5153)

Date: 11/4/71

1. Use only Cinemeccanica projector oil as originally supplied with the equipment and which is available from Carbons, Inc. in one gallon containers.
2. Fill the intermittent reservoir to the center of oil gauge "E".  
MACHINE NOT RUNNING
3. Add oil slowly to the reservoir at the bottom of the projector until it reaches the red dot or center of the oil sight window "L" on the back of the projector. Although it makes no difference, we suggest this be done with machine not running.

### THE OILING POINTS ARE DESCRIBED AS FOLLOWS:

- A<sub>1</sub> Shutter Shaft - three drops a month.
- A<sub>2</sub> A<sub>3</sub> A<sub>4</sub> Oil holes near center of gears for sleeve bearings - three drops a month.
- A<sub>5</sub> This gear & shaft are oiled by the pump plunger.
- A<sub>6</sub> Vertical bearing for takeup drive shaft - three drops a month.
- A<sub>7</sub> Framing shaft - three drops a month.
- A<sub>8</sub> Upper sprocket shaft - three drops a month.
- A<sub>9</sub> Lower sprocket shaft - three drops a month.
- B<sub>1</sub> Steel split idler roller - two oil holes - three drops a month.
- B<sub>2</sub> Steel lay on roller, two oil holes - three drops a month.
- B<sub>3</sub> Rotary stabilizer shaft - six drops a month.

After the first 100 hours, remove the drain plugs "F" (intermittent) and "C" (projector body) to remove oil. Thereafter, drain on six month basis, or after 1,000 hours. Upper reel shaft and vertical shaft bearing on takeup - three drops a month.

The cover marked "oil" covers a hole for oiling the steel gears in the lower magazine takeup assembly - apply eight drops a month. NOTE: The felt pad in the lower takeup should be soaked with oil. Near the cover marked "oil" on the takeup housing is a ball detent. This should be oiled once a month with approximately 6 drops of oil.

Oil pump should be operated once during each reel. Check reservoir level monthly. Each motor bearing should receive six to eight drops every two months.

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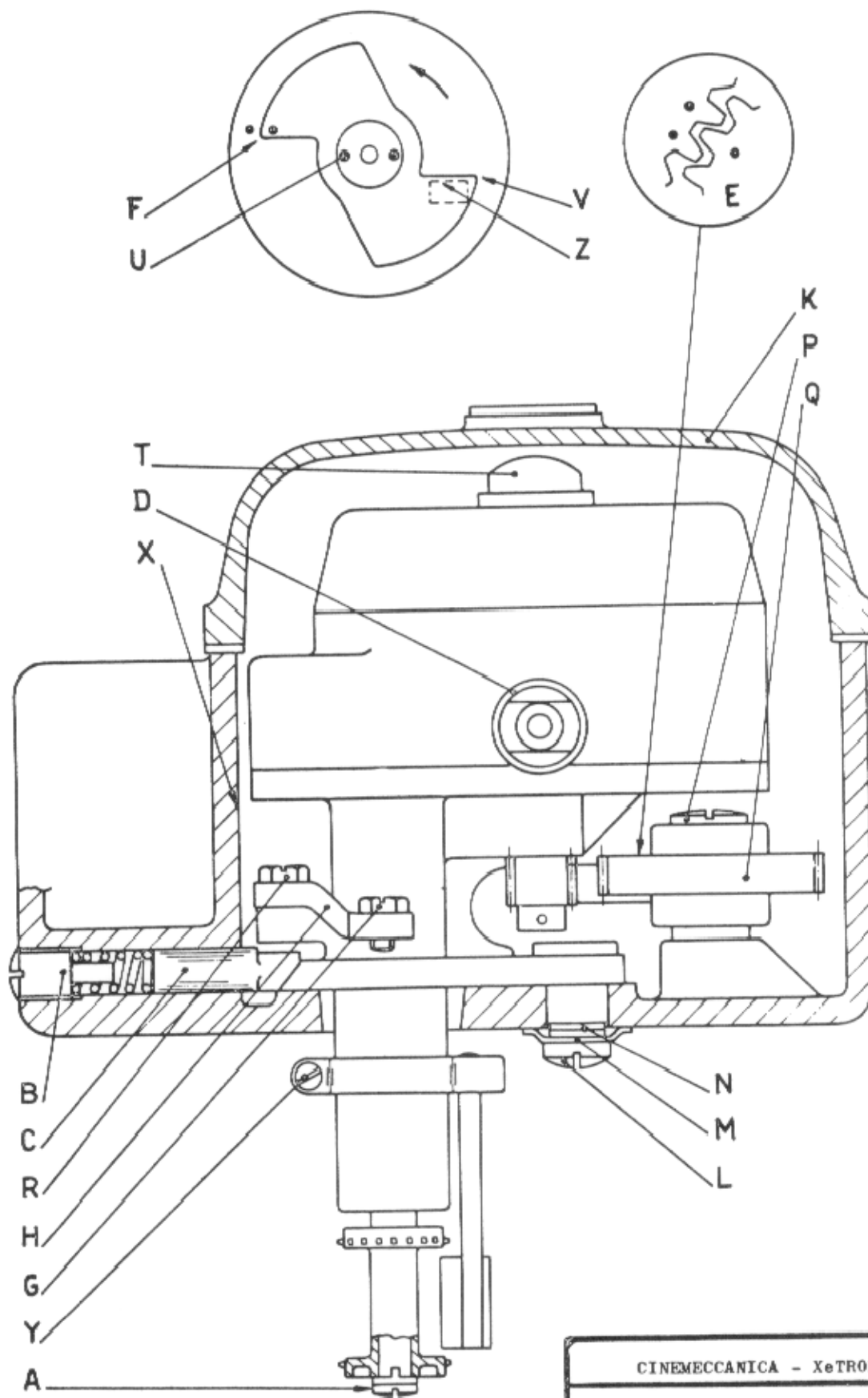
INTERMITTENT UNIT REPLACEMENT  
VICTORIA 4-E PROJECTOR  
Refer to Drawing 5000

Date: 9/15/71

1. Rotate the motor shaft in the normal direction until the point is reached where the intermittent sprocket just starts to move. Holding the sprocket in one hand, remove screw "A" then pull off the sprocket.
2. Remove rear projector cover "K".
3. Remove screw "B" and spring from friction device "C" and push "C" toward casting "X". Remove stripper assembly ~~by~~ backing off screw "Y" and pulling forward. *by*
4. Mark position of shutter "F" and gears "E" as shown. Remove the upper screw "G" of the framing control rod "H".
5. Using a heavy screwdriver, remove screw "L", spring washer "M" and flat washers "N" noting their positions for proper reassembly.
6. Rotate intermittent unit just enough to have it clear friction device "C", pull intermittent out while tilting it down to make screw "P" of fibre gear "Q" accessible. Screw "P" has a left hand (CCW) thread. Remove the screw by turning it clockwise and remove the fibre gear "Q".
7. Pull the intermittent out with the rod "H" by unscrewing "R" and attach it to the new intermittent.
8. Rotate the new intermittent to the point where the sprocket just starts to move and start the replacement in reverse order. Partially insert the new unit, tilting it down and replace the fibre gear "Q" and its screw "P". Push the intermittent forward in such a way as to put it under the friction device "C" and to mesh it properly maintaining the marked positions of the gears and shutter.
9. Replace washers "N" and "M" in proper order. Tighten screw "L" just enough that intermittent can be moved for framing. When this screw is adjusted properly it should be possible to rotate the movement in either direction.
10. Replace hex screw "G" and friction adjustment screw "B" to have sufficient friction to keep intermittent from turning during normal operation. Use framing knob to turn intermittent in each direction to insure proper tightness. Also rotate motor by hand and check operation of intermittent with maximum framing in each direction.
11. Replace stripper assembly and sprocket paying particular attention to properly engage washer in slotted shaft. Refill intermittent with Cinemeccanica oil to center level of sight glass "T".
12. Before normal operation, rotate motor by hand for a few turns.

(2)

13. If shutter requires re-adjustment you must proceed as follows: Rotate intermittent in normal direction until sprocket just starts to move. Back off slightly the shutter holding screws "U" and align shutter blade "V" with the upper edge of the aperture (Z). Tighten screws.
14. The shutter rotates counter clockwise when viewed from the lamphouse. When running a test film, if the travel ghost appears to streak up, the shutter should be re-adjusted by moving in a counter clockwise direction. If streaking down, move shutter clockwise.



CINEMECCANICA - XETRON	
VICTORIA IV/E INTERMITTENT	
Date: 1-3-68	Drawing #5000

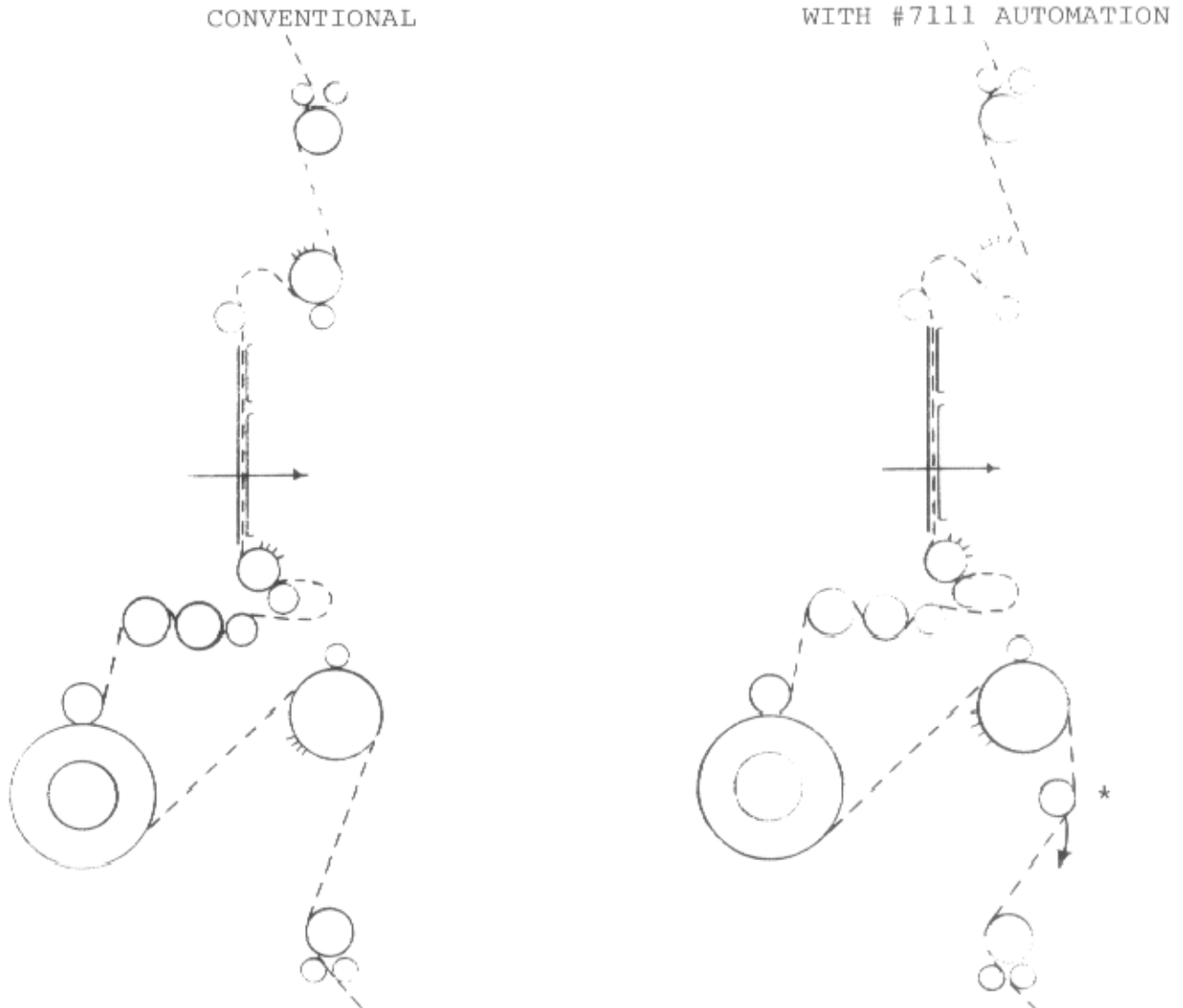
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VICTORIA 4ES  
THREADING CHART

Drawing: #13464-A

Date: 9/8/71



Before threading turn the motor knob until the intermittent stops and add an additional half turn. (Motor knob)

Upper Loop: There should be 12 sprocket holes (three frames) between the feed sprocket pad roller and the gate guide roller.

Lower Loop: Pull the film tight between the intermittent and the bottom sprocket and then back off eight sprocket holes.

\* Que detector/fail safe

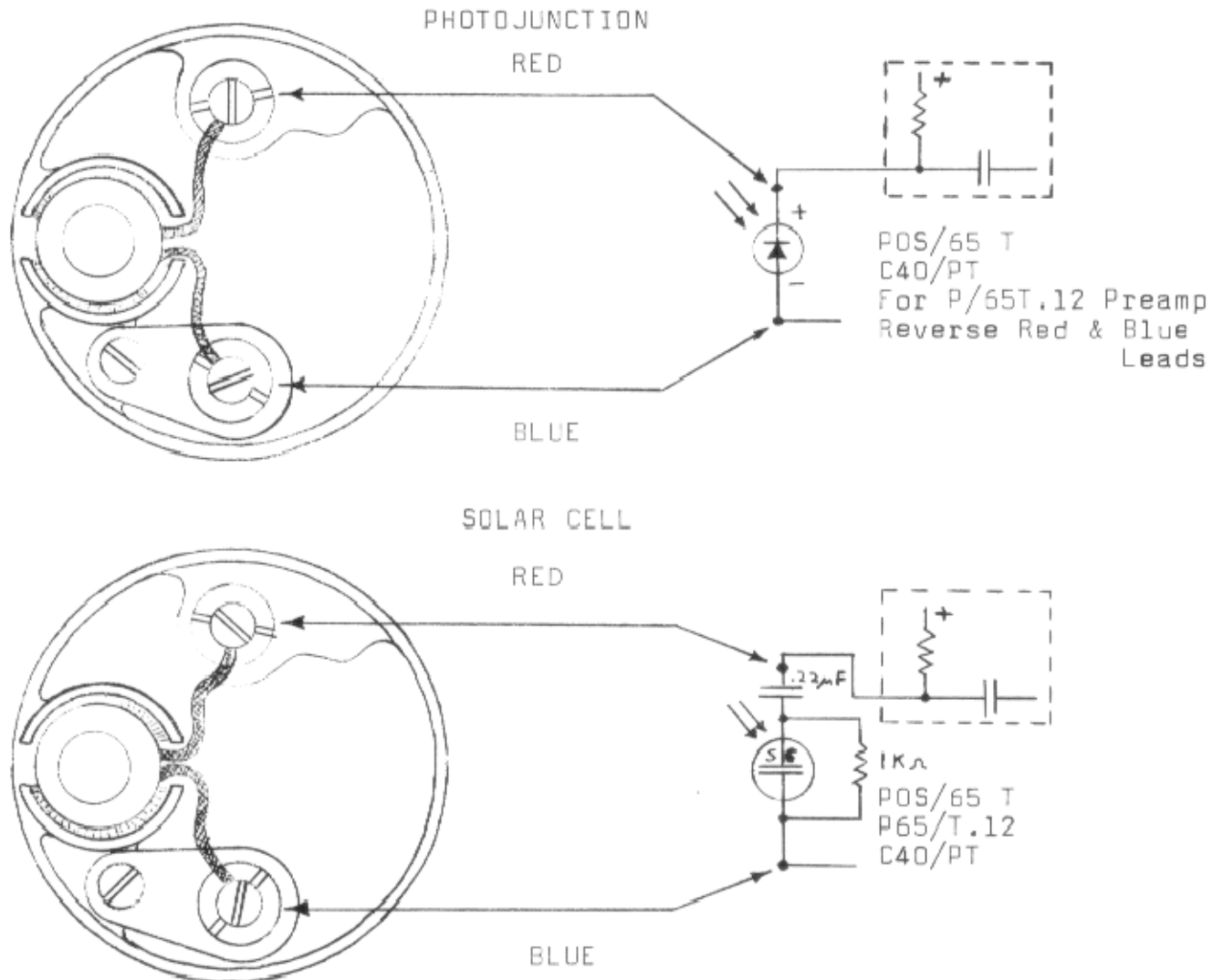
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CINEMECCANICA - XETRON  
SOLAR CELL/PHOTOJUNCTION  
Connections

Date: 4/1/70

Drawing: #88-A



NOTE: The POS/65T preamplifier and C40/PT amplifier have the negative side of the supply connected to ground. The P/65 T.12 preamplifier has the positive connected to ground. Thus, it is necessary to follow the photodectors wiring instructions according to the different couplings. Regardless of type cell, both leads are above ground on all projectors now being supplied.



# XETRON

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201 - 267 - 8200

SOUND OBJECTIVE LENS ADJUSTMENT

Date: 8/10/72

DO NOT CHANGE ANY ADJUSTMENTS ON THE SOUND LENS UNTIL ALL OTHER POSSIBLE CAUSES OF THE PROBLEM HAVE BEEN EXPLORED. IT IS ALSO RECOMMENDED THAT ONLY A PROFESSIONAL SOUND ENGINEER ATTEMPT ADJUSTMENTS ON THIS SOUND LENS.

1. Position objective lens with the locating line in the center of opening in lens holder casting for preliminary alignment.
2. Place a white piece of paper the width of a 35mm. piece of film in the front of the solar cell opening following the contour of the drum. Loosen the lens clamp screw and move entire sound lens back and forth until the finest line of light is seen on the paper, keeping the locating line centered in the window at all times. This is the preliminary adjustment.
3. The azimuth adjustment of the objective lens is made by using an 8 KC film loop. Turn the lens tube (special tool recommended) by the two grooves (top and bottom of end) so that a maximum signal is obtained. The final focus is made after loosening the lens clamp screw and moving the sound lens back and forth until the maximum output as indicated on a meter (or listening to maximum volume) is obtained. (THE FOCUS RING IS PRESET AT THE FACTORY AND SHOULD NOT BE DISTURBED.)
4. THE SLIT WIDTH ADJUSTMENT RING IS PRESET AT THE FACTORY AND SHOULD NOT BE DISTURBED.
5. The buzz adjustment screw moves the sound lens assembly in and out to change the position of the scanning beam on the sound track.

REFER TO DRAWING #1011 Y

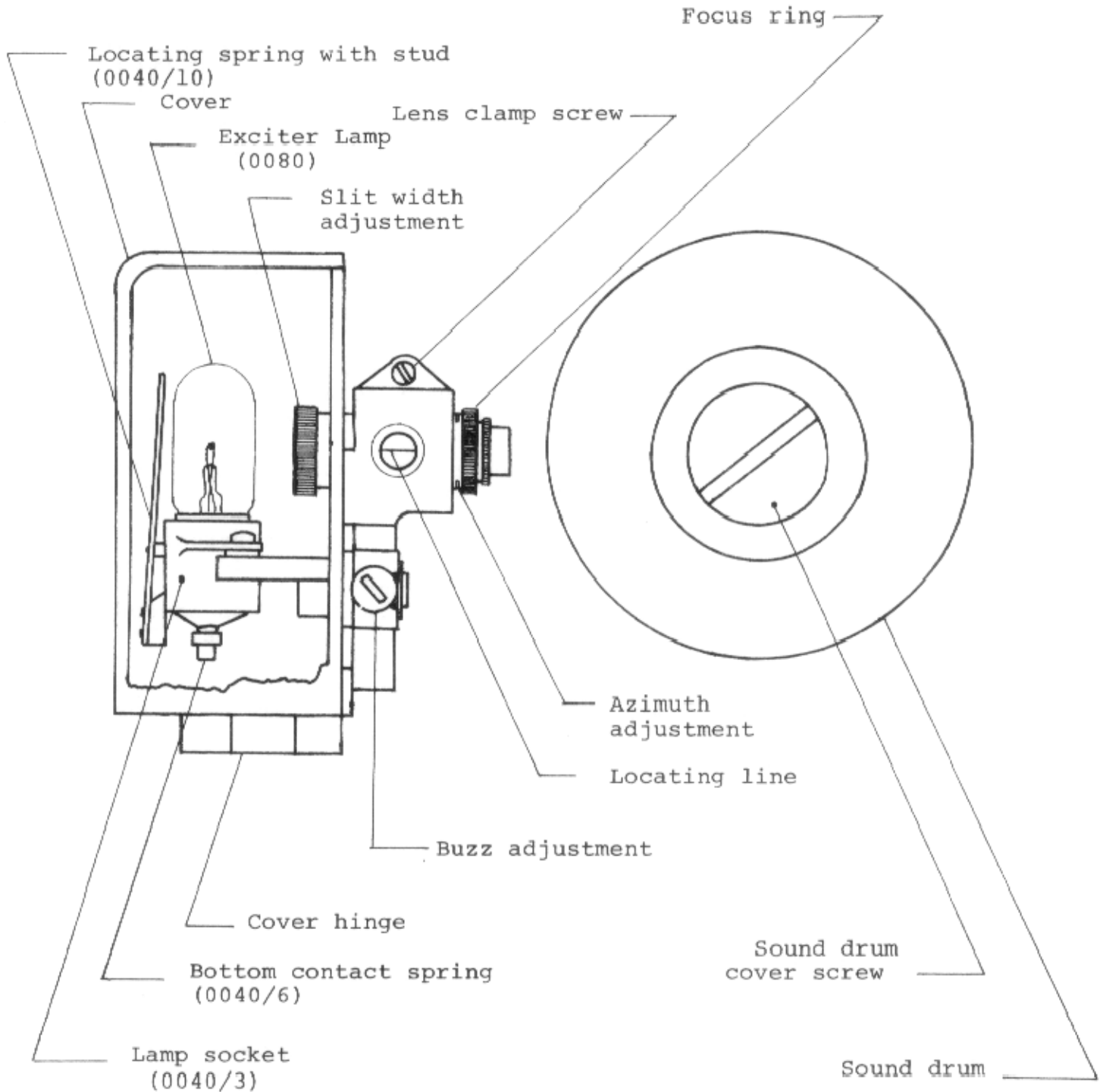
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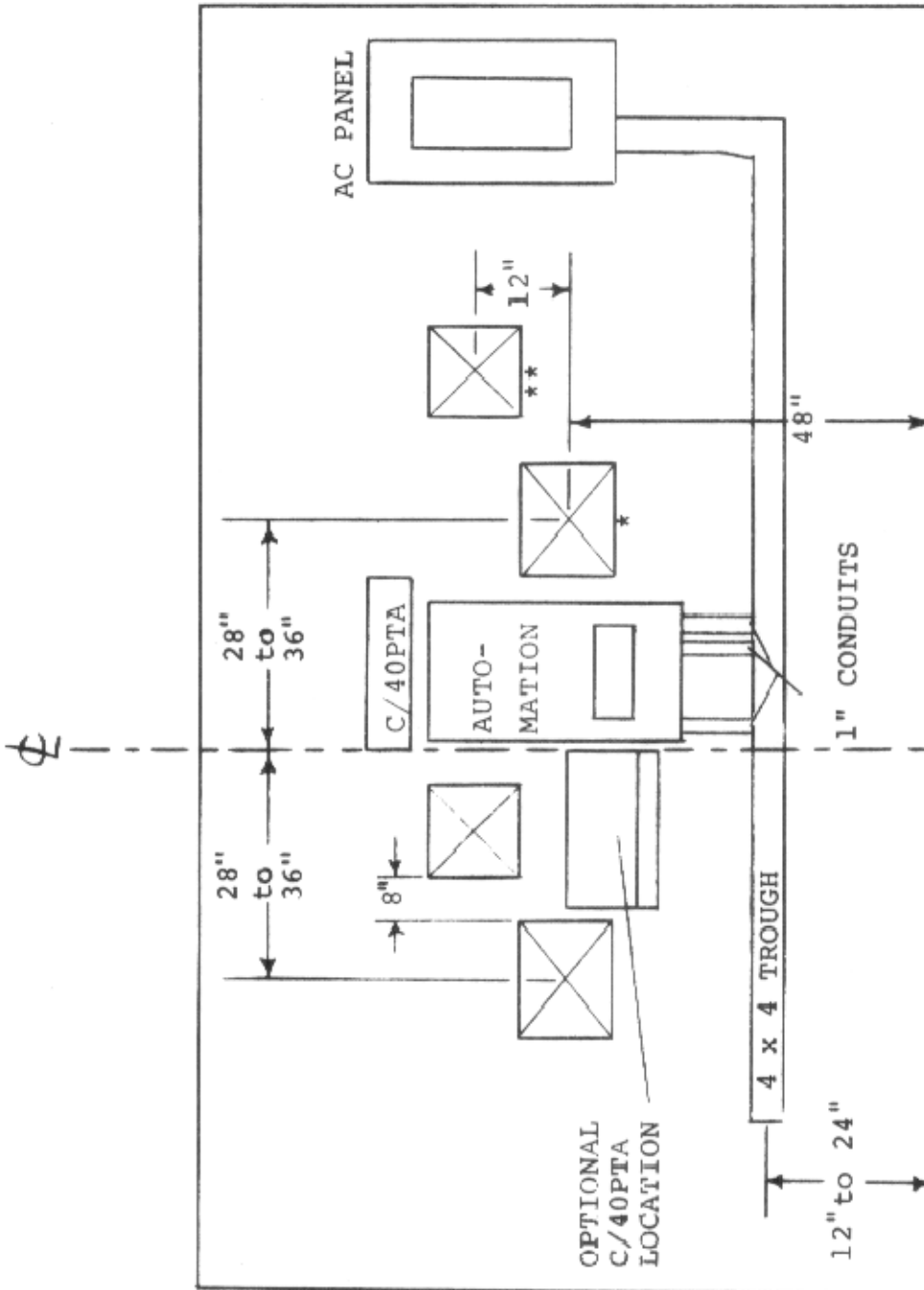
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SOUND OBJECTIVE LENS  
AND  
EXCITER LAMP ASSEMBLY

Date: 8/8/72

Dwg. #1011 Y





C/65T.2 SOUND CABINET CAN BE MOUNTED TO THE LEFT OF MACHINE #2 OR, IF AUTOMATION IS USED, TO THE LEFT OF THE SAME OR ANY OTHER CONVENIENT LOCATION.

\* PROJECTION PORTS 12" x 16"  
\* \* VIEW PORTS 12" x 14"

ALWAYS OBSERVE LOCAL ELECTRICAL CODES.

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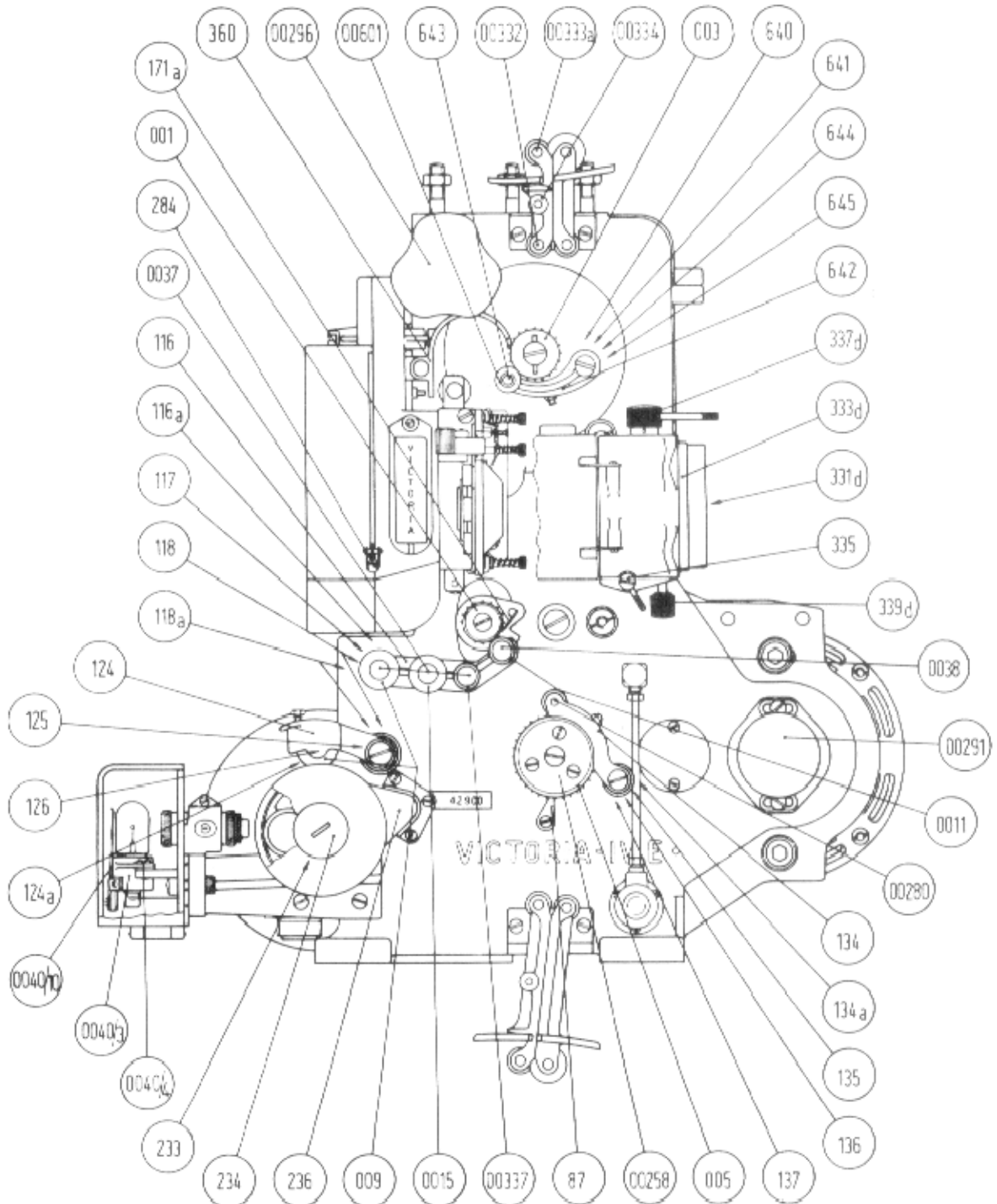
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201 - 267 - 8200

CINEMECCANICA  
**VICTORIA IV PROJECTOR**  
Parts - Operating Side  
(From Serial #42900 Forward)

Date: 2/5/68

Dwg. #42900-1X

SERIAL # OF PROJECTOR MUST BE SPECIFIED WHEN ORDERING PARTS



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VICTORIA IV

AMPLIFIER INFORMATION

Date: 8/27/69

The Victoria IV projector is normally equipped with a photo junction type of transducer. This is a solid state device which operates with a positive bias of 4 to 8 volts. This voltage should be measured with a sensitive meter and only with the exciter lamp turned off.

It is possible to use a solar cell which requires no bias but must have a shunt resistor across it, usually 500 ohms, to equalize its frequency response.

A gas type photo cell can also be used as our preamplifier or main amplifier, C/40PT will provide the necessary polarizing voltage.

The standard optical preamplifier is the PCS/65T, circuit diagram shown in our drawing #5843 and its associated power supply in #5944. With its cathode follower output circuit having a nominal impedance of 500 ohms, it will work into any of the conventional amplifiers designed for theatre sound applications. The amplifier module includes a gain control, high frequency and low frequency equalizing controls, all with slotted shafts for screw driver adjusting. A second volume control is mounted on the front cover of the pre-amplifier cabinet and is normally used to control the auditorium volume. Ordinarily the main amplifier is adjusted for 50-75% of full gain, the volume control on step 5 or 6 and the screw driver adjust to obtain normal volume.

A "pickup" - "film" switch is provided on each preamplifier cabinet and drawing 5843-A explains the switch operation as well as the provisions for making the optical sound changeover. This is accomplished by a microswitch in the zipper type changeover housing whose contacts operate to the closed position when change is made to this machine. Closure of these contacts, which are connected across terminals U 1 and J 2 of the preamplifier terminal circuit, completes the output circuit to terminals 0 and U2 which are connected to the main amplifier input. Please note the necessity to use terminal K on the socket for the plug in module if the projector is equipped with a gas type photo cell requiring a 90 volt potential.

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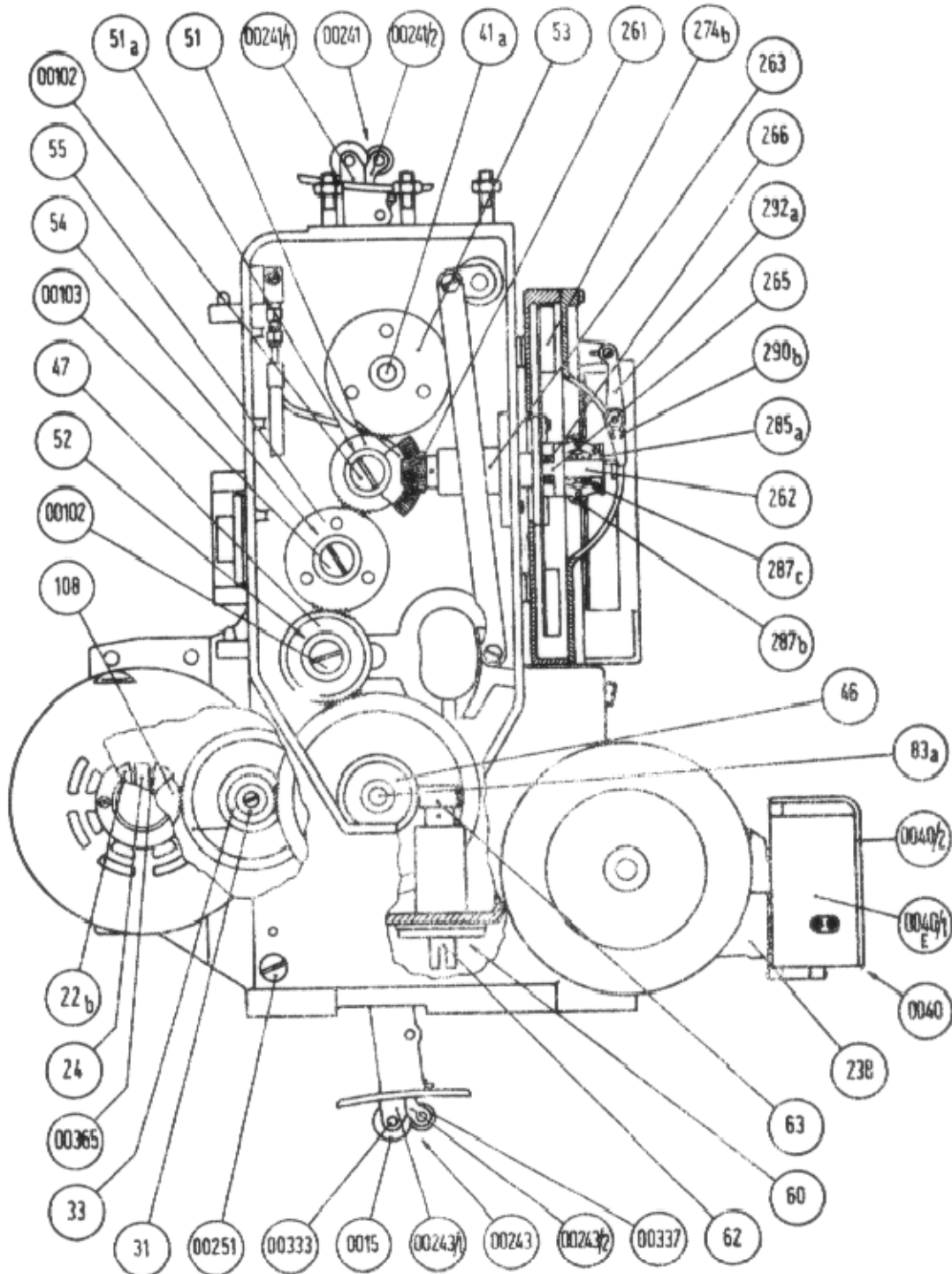
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CINEMECCANICA  
VICTORIA IV PROJECTOR  
Parts - Non-Operating Side  
(From Serial #42900 Forward)

Date: 2/5/68

Dwg. #42900-2X

SERIAL # OF PROJECTOR MUST BE SPECIFIED WHEN ORDERING PARTS



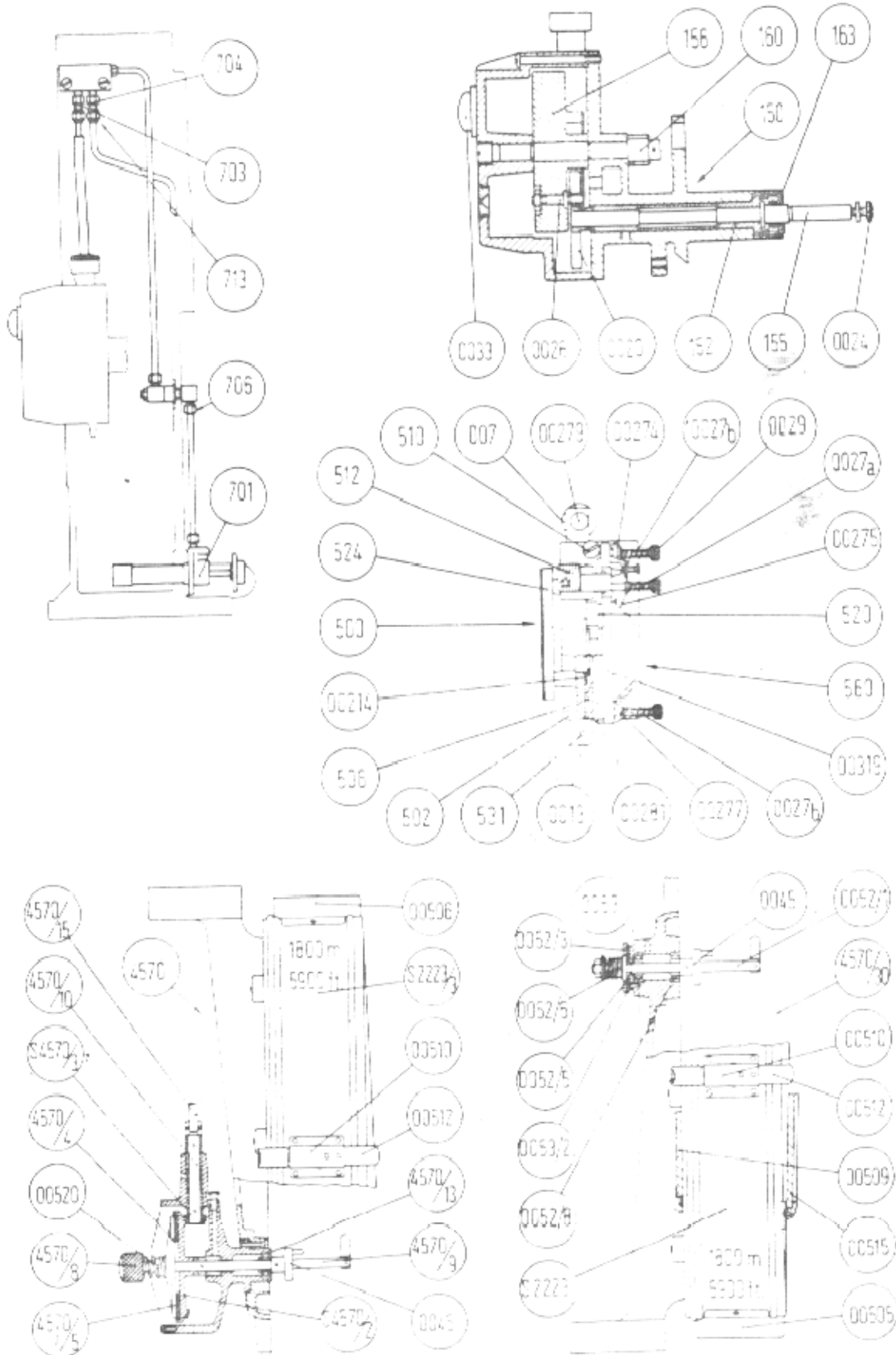
XeTRON DIVISION  
Carbons, Inc.  
Cedar Knolls, N.J.  
U. S. A.

CINEMECCANICA - XeTRON  
Victoria IV Projector Parts  
Major Components  
(From Serial #42900 Forward)

Date: 2/5/68

Dwg. #42900-3X

SERIAL # OF PROJECTOR MUST BE SPECIFIED WHEN ORDERING PARTS



**XETRON**

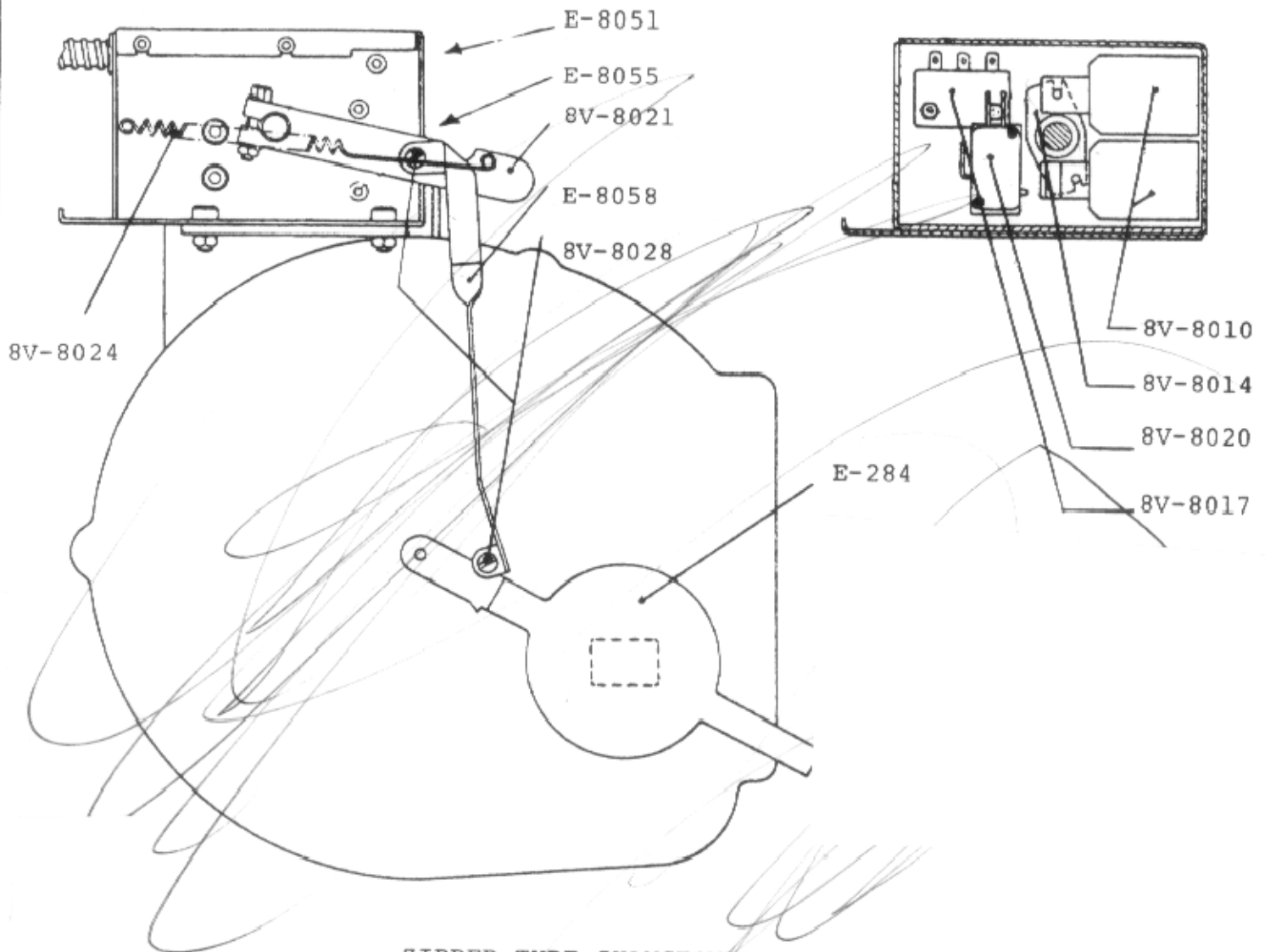
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201 - 267 - 8200

DUAL COIL CHANGEOVER  
V-4 TYPE

(from Ser. #44084)

Dwg. #10129

Date: 1 January 1974



ZIPPER TYPE CHANGEOVER CONTROL

- |         |   |
|---------|---|
| E-8051  | Changeover control complete with safety dowser and rod (please specify voltage)   |
| E-8055  | Changeover mechanism box less safety dowser and less rod (please specify voltage) |
| 8V-8010 | Electromagnet with core and pin (please specify voltage)                          |
| 8V-8014 | Lever control cam   |
| 8V-8017 | Terminal board  |
| 8V-8020 | Microswitch   |
| 8V-8021 | Safety dowser control lever with screw and nut                                    |
| 8V-8024 | Release spring  |
| 8V-8028 | Collar screw  |
| E-284   | Safety dowser   |
| E-8058  | Safety dowser control rod   |



<u>PART #</u>	<u>DESCRIPTION</u>
00275	Pressure fork for pads (4 pieces)
00277	Pressure arm for bottom pads
00279	Adjusting screw for 007
00280	4mm diameter spindle
00281	Set of pressure plates
00291	Motor knob
00296	Framing knob
00319	Door gate frame
00332	Firetrap shaft-hinged section
00333	Firetrap roller shaft-fixed section
00333a	Firetrap roller shaft-hinged section
00334	Locking knob for firetraps
00337	15mm O.D. plain roller
00365	Spring for motor torque
*00505	Cover for firetrap-top
*00506	Cover for firetrap-bottom
00509	Upper magazine inspection glass - frame
00510	Magazine latch bracket with spring
00512	Magazine latch
00515	Upper magazine inspection glass door
00520	Takeup clutch spring
00601	15mm O.D. grooved roller
22b	Motor torque cushion bracket - end piece
24	Motor torque cushion bracket - center piece
31	Reduction gear shaft
33	Motor reduction gear assembly
41a	Top sprocket shaft
46	Bottom sprocket gear assembly
47	Bottom idler gear
48	Intermediate gear
51	Shutter gear assembly
51a	Shutter gear shaft assembly
52	Bottom idler gear shaft
53	Top sprocket gear
54	Intermediate idler gear shaft
55	Intermediate idler gear (54 teeth)
60	Take up driving assembly
*62	Take up driving gear shaft
63	Take up driving pinion (16 teeth)
83a	Bottom sprocket shaft with hub
87	Stripper & post
108	Motor gear
116	Roller cradle for intermittent sprocket
116a	Roller cradle complete assembly for intermittent sprocket
117	Roller cradle shaft for intermittent sprocket
118	Lay-on roller spring housing

<u>PART #</u>	<u>DESCRIPTION</u>
118a	Spring for lay-on roller
*124	Lay-on pressure roller arm
124a	Lay-on pressure roller arm complete assembly
125	Lay-on pressure roller arm shaft with screw
126	Lay-on pressure roller holder with shaft
*134	Bottom roller cradle (machined casting)
134a	Bottom roller cradle complete assembly
135	Bottom roller cradle shaft with screw
136	Bottom roller cradle spring bush
137	Bottom roller cradle spring
150	Intermittent unit complete with sprocket
150XA	Gasket for intermittent
152	Eccentric Bushing
155	Intermittent sprocket shaft
156	Flywheel with cam, shaft and cam pinion
160	13 teeth cam pinion
163	Oil tight ring
171a	Stripper & post
233	Soundhead drum with shaft and screw
234	Drum screw
*236	Bracket for P.E.C. housing
238	Exciter lamp bracket
261	16 teeth conical shutter pinion
262	Shutter shaft
263	Shutter shaft bracket with bushing
265	Torque shutter hub
266	Torque shutter spring (4 pieces)
274b	Shutter
284	Safety dowser assembly
*285a	Front governor plate
287b	Governor complete with levers
287c	Governor spring
290b	Safety dowser control lever spring
292a	Safety dowser unlatching lever with shaft
*331d	62.5mm diameter lens holder assembly
*333d	62.5mm diameter lens holder sleeve
335	Lens holder securing screw
337d	Focussing pinion with knob
339d	Lens securing knob
*360	Mascarini contact lever
*500	Gate bracket assembly
502	Gate bracket (machined casting)
506	Gate plate
510	Gate plate locking screw
511X	Projector motor with gear assembly

\* NOT STOCKED - SPECIAL ORDER

**XETRON**A DIVISION OF  
**CARBONS, INC.**  
CEDAR KNOLLS, N. J. 07927  
201 - 267-8200

SPARE PARTS

VICTORIA IV TYPE PROJECTOR  
FROM SERIAL NUMBER 42900-

1 January 1974

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<u>QTY</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	512	Gate frame closing lever
	520	Aperture plate securing lever with spring
	524	Heat shield
	531	4mm diameter spindle for bottom gate bracket roller
	*560	Gate frame complete assembly
	640	Top roller cradle complete assembly
	*641	Top roller cradle shaft
	*642	Top roller cradle (machined casting)
	643	6mm diameter shaft
	644	Cradle spring bushing
	645	Top roller cradle spring
1/0	701	Lubricating pump
	*703	Nozzle for oil duct to intermittent movement
	*704	Nozzle for oil duct to gears
	706	4mm I.D. tapped bushing
	713	3mm I.D. tapped bushing
	*S2223	Top magazine with back plate
	*S2223/3	Bottom magazine with back plate
	*4570	Bottom magazine 1800 mt. (6000') with take up
	S4570/2	96 teeth conical gear
	S4570/3	20 teeth conical pinion
	4570/4	Movable clutch disc
	4570/5	Felt clutch washer (#444)
	4570/9	Bottom magazine shaft with driving collar
	4570/10	Conical pinion gear shaft
	4570/13	Lower magazine bearing
	4570/15	Lower magazine drive shaft
	*4570/30	Top magazine 1800 mt. (6000') with clutch

\* NOT STOCKED-SPECIAL ORDER

<u>PART #</u>	<u>DESCRIPTION</u>
<u>THREE LENS TURRET</u>	
10-650	3 lens turret assembly
10-661S	70.6/62.5 diameter eccentric bushing
10-661T	70.6/62.5 diameter bushing
10-661K	53.5/62.5 bushing
10-662	62.5mm diameter lens holder
10-662S	70.6mm diameter lens holder
10-667	Focussing knob
10-668	Eccentric guide shaft
10-669	Eccentric guide shaft open end
10-673	Stop lever
10-674	Stop lever spring
10-676	Lever locking turret assembly
10-679	Lever spring
10-682	Plunger spring
10-684b	Light shield
*10-685	Turret assembly support bracket
*10-690	Bracket for anamorphic lens holder
*10-692	Anamorphic lens holder
10-694	Plunger spring
*699	Turret assembly support
<u>ZIPPER TYPE CHANGEOVER CONTROL</u>	
E-1870	Picture changeover assembly
v E-1872	Solenoid coil assembly
E-1873D	Guide rod with knob
E-1873G	Bowden wire clamp with set screw
E-1874	Main shaft
5 E-1876	Guide tube
E-1878	Changeover blade
E-1879	Bowden clamp assembly swivel
E-1880	Bowden wire
E-1883	Tension screw & nut
E-1883C	Brake spring
E-1883D	Brake ball
E-1884	Spacer
E-1885	Sound switch bushing
E-1886	Microswitch

\* NOT STOCKED - SPECIAL ORDER

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NOTE: THE PARTS LISTED BELOW ARE ONLY FOR PROJECTORS WITH SERIAL NUMBERS BELOW #42900. FOR ALL ADDITIONAL PARTS FOR PROJECTORS BELOW SERIAL #42900, PLEASE REFER TO MAIN SECTION OF PARTS (ABOVE SERIAL #42900) AS THEY ARE THE SAME.

<u>PART#</u>	<u>DESCRIPTION</u>
0012	Roller
22a	Torque assembly for motor
48	Intermediate gear (55 teeth)
107	Motor gear
129b	Top roller cradle assembly complete
272a	Shutter shaft bushing
273	Shutter shaft
274	Shutter
275	Shutter pinion (13 teeth)
294	Shutter shaft spring
404b	Take up driving shaft
406a	Spring
406b	Spring adjusting knob
407b	Bevel gear
408a	Clutch washer
408b	Clutch disc
409a	Ball bearing
410	Bevel pinion
411	Pinion shaft
413	Drive shaft
570	Gate frame

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VICTORIA 14

SPARE PARTS

1 January 1974

<u>PART #</u>	<u>DESCRIPTION</u>
18-1103	Stand
18-1115	Frame beam
18-1121	Arm support shield
18-1129	Elevating screw with knob
18-1131	Elevating screw plate
18-1145	Cup plate for frame levelling screw
18-1146	Frame levelling screw
18-1162	Complete film splicer support plate
18-3803	Complete motor, take-up and rewind assembly (voltage and cycles to be specified)
18-3817	Z.27 toothed pulley
18-3822	Plunger
18-3823	Plunger spring
18-3826	Spindle for toothed pulley stop
18-3827	Spring for stop spindle
18-3829	Ball race
18-3830	Sliding flange plate
18-3831	Circlip
18-3835	"V" belt pulley
18-3838	Ball race
18-3839	20mm diameter circlip
18-3840	Coupling shaft
18-3841	Coupling shaft spring
18-3845	Washer
18-3848	Switch support plate
18-3852a	Switch support
18-3854	Switch
18-4027	Rewind switch
18-4029	Single pole switch
18-4036	1 amp glass fuse
18-4037	5 amp glass fuse
18-4037a	10 amp glass fuse
18-4250	Complete firetrap assembly
18-4256	Firetrap frame only
18-4257	Flanged roller spindle
18-4259	Firetrap safety plate
18-4260	6mm diameter spindle roller #00337
18-4303	4000 Metre upper spool box complete w/back plate
18-4309	Upper back plate
18-4312	Upper spool box cover with hinge
18-4317	Upper spool box with inspection window
18-4319	Upper back plate inspection window
18-4326	Spool box catch
18-4331	Spool support spindle
18-4335	Upper arm support
18-4353	4000 metre lower spool box complete w/back plate
18-4359	Lower back plate
18-4362	Lower spool box cover with hinge
18-4600	Lower take-up double belt idler assembly
18-4612	Double belt idler pivot & clamp

# XETRON

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VICTORIA 14  
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<u>I</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	18-4614	Pulley shaft
	18-4615	Toothed pulley
	18-4616	Pulley with drive
	18-4631b	Ball race
	18-4632	Rewind pulley assembly
	18-4632b	(Felt) clutch washer
	18-4632d	Clutch spring tension nut
	18-4633	Spool driving collar
	18-4634	Intermediate spool latch
	18-4634d	"V" drive belt - type X-153
	18-4635	Spindle with double spool latch & drive key
	18-4638	Upper feed and rewind assembly
	18-4745	Lower weight-controlled take-up assembly
	18-4756	Clutch pressure lever
	18-4758	Lever guide block
	18-4760	Thrust ball bearing
	18-4760a	Ball bearing
	18-4760b	Oblique ball bearing
	18-4763	Reel shaft casting
	18-4765	Reel shaft with double latch
	18-4767	Drive hub and key
	18-4768	Intermediate reel <del>latch</del>
	18-4778	Clutch felt
	18-4784	Toothed belt
	18-4788	Toothed pulley Z.71 35mm only
	18-4791	Toothed pulley Z.47 70mm (35/70)
	18-4792	Toothed pulley Z.71 35mm (35/70)

# XETRON

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V-4, V-8, V-18, V-88

APERTURE PLATES

Date: 1 Jan 74

Dwg. #7036

DUAL TYPE WITH COMMON CENTER LINES

00214	BLANK	
00214/40	2	6mm. round holes
00214/1	2.35/1.85	.690 x .820/.435 x .805
00214/81	2.35u/1.85u	.550 x .768/.375 x .768
00214/24	1.85u/1.66u	.375 x .768/.415 x .768
00214/85	1.85u/2.1u (scope)	.375 x .768/.685 x .685

\* TRIPLE TYPE WITH COMMON CENTER LINES

00816/13	2.35/1.85/1.66	.690x.820/.435 x.805/.485x.805
00816/14	2.35/1.85/1.66	.550x.768/.375 x.768/.415x.768

\* THIS TYPE TO BE FURNISHED WITH V-8/18 PROJECTORS STARTING  
APPROXIMATELY FEBRUARY 1, 1973.



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CEDAR KNOLLS, N. J. 07927  
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VICTORIA 4ES

SPARE PARTS KIT

1 January 1974

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>PART #</u>
1	Intermittent Sprocket	001CT
1	Top Sprocket	003C
1	Bottom Sprocket	005C
1	Central Pad Spring	0027A
1	Bottom and Top Pad Spring	0027B
1	Spring for Lay-on Roller	118A
1	Bottom Roller Cradle Spring	137
1	Spring for Guide Roller Assembly	645
2	Felt Friction Discs	4570/5
1	Plain Roller 24mm. O.D.	009
1	Grooved Roller 15mm. O.D.	0011
1	Grooved Roller 11mm. O.D.	0013
1	Screw & Washer (Secure Intermittent)	0024
1	Pressure Pad	00275
1	Pair Pressure Plates (4 Pieces)	00281
1	Small Split Roller For Magazine Guide Roller Assembly	00337
1	Upper Sprocket Split Guide Roller	00601
1	Spring For 292A Trip Lever	290B
2	Exciter Lamps 6 V 5 A	0080
3	Framing Lamps 12 V 3 W	184C
1	Motor Switch	384CL
5	Fuses	5A
5	Fuses	15A
5	Fuses	1A
1	Exciter Lamp Switch	392
1	Upper Leather Disc	0052/5
2	Tapered Pins For Take-up Drive Shaft	