

SPECIFICATION S-5537

ISSUE 2

MARCH, 1948

TELETYPE

PRINTING TELEGRAPH SYSTEMS

DESCRIPTION, INSTALLATION,
ADJUSTING, AND PARTS INFORMATION FOR
TELETYPE APPARATUS CABINETS
AC200** AND AC210**

TELETYPE

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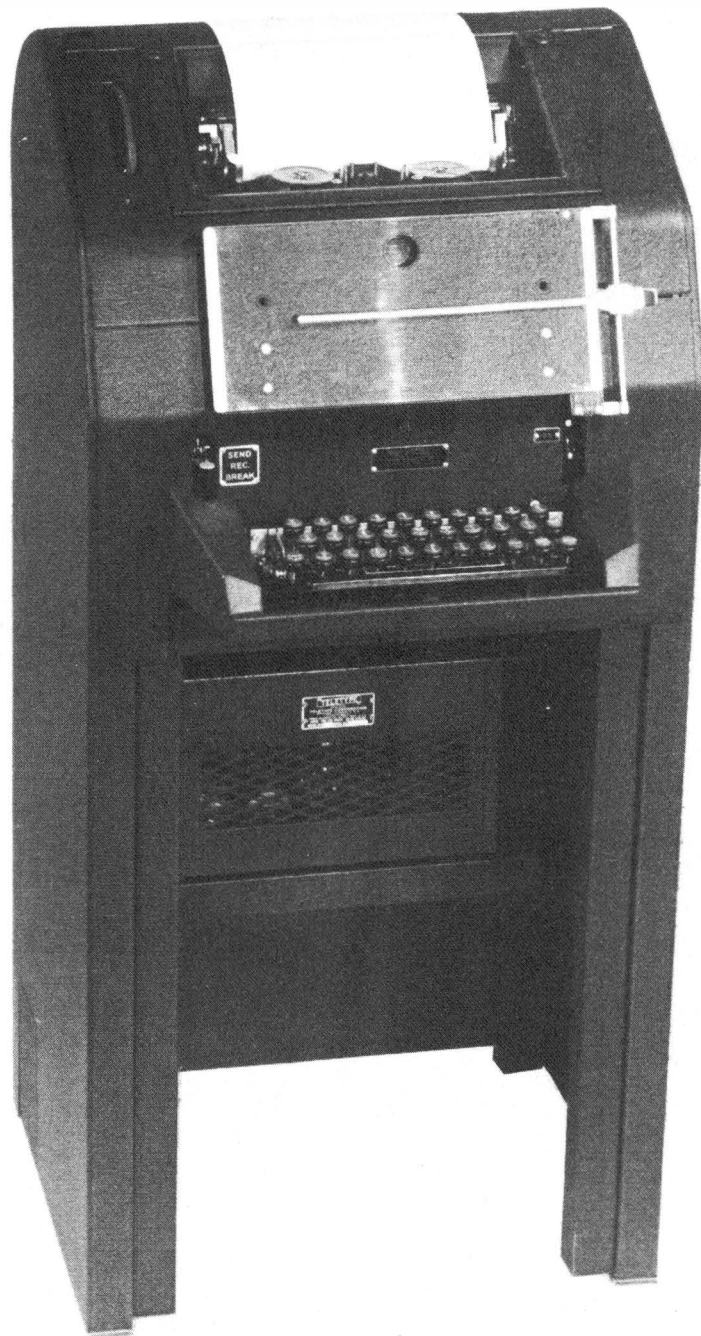
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CHICAGO, U.S.A.

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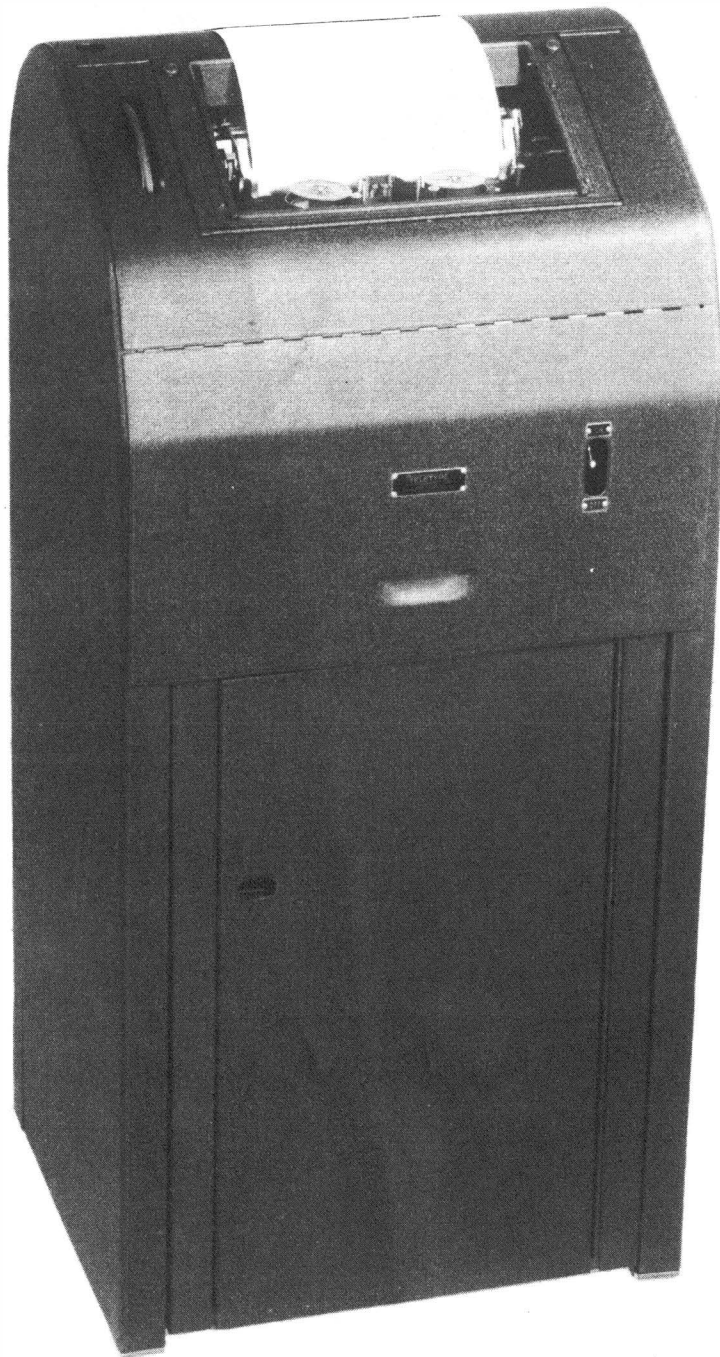


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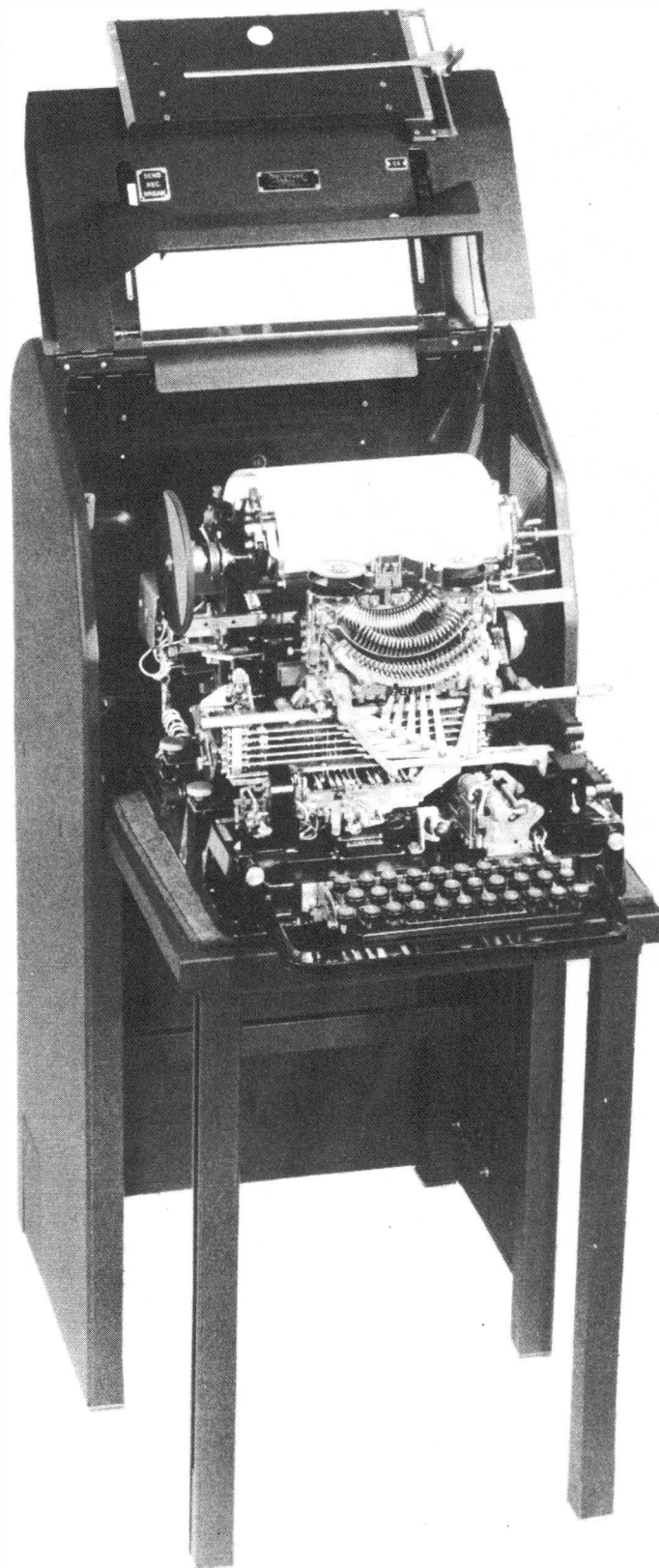
APPARATUS CABINET
WITH MODEL 15 SEND-RECEIVE EQUIPMENT

-B-
(S-5537)



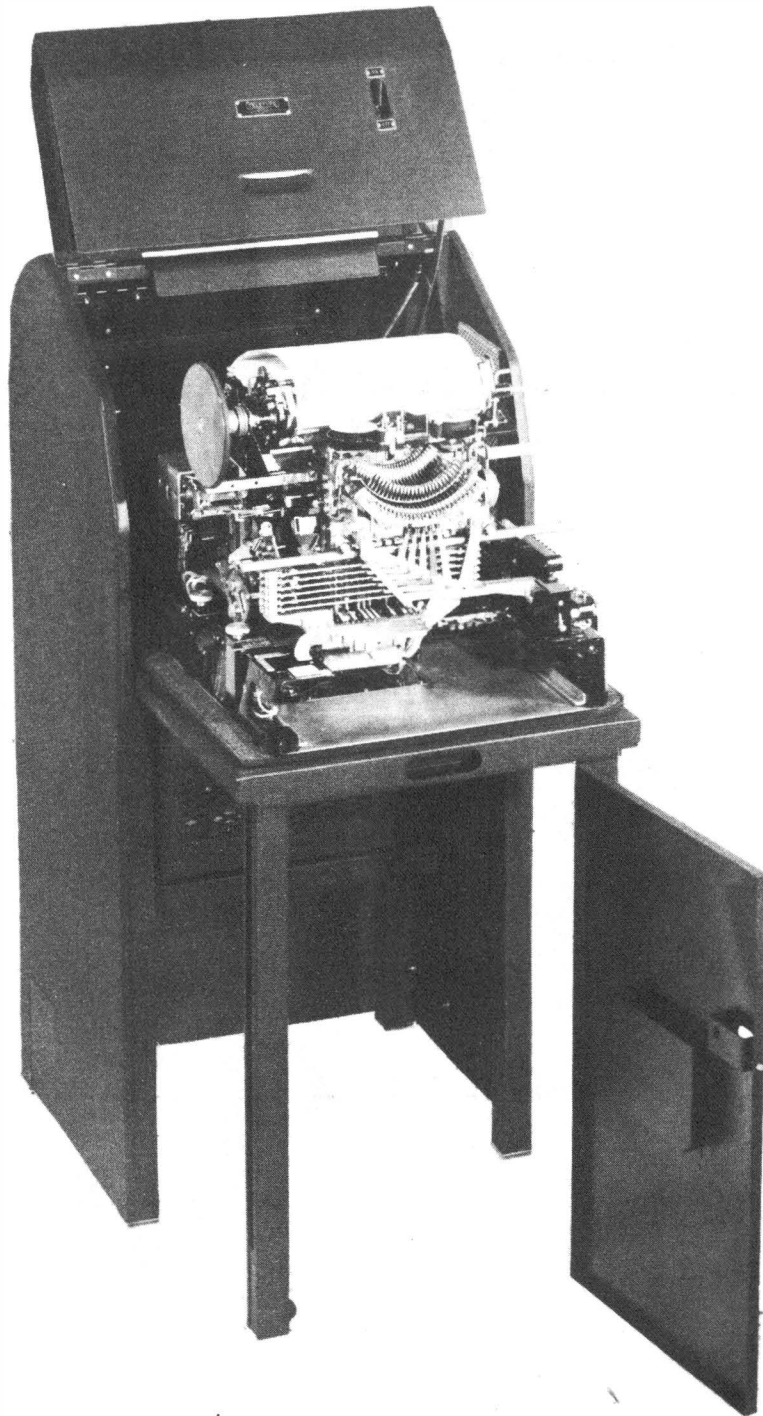
APPARATUS CABINET
WITH MODEL 15 RECEIVING-ONLY EQUIPMENT

-C-
(S-5537)



SEND-RECEIVE APPARATUS
WITHDRAWN FOR SERVICING

-D-
(S-5537)



RECEIVING- ONLY APPARATUS
WITHDRAWN FOR SERVICING

*DESCRIPTION, INSTALLATION,
ADJUSTING, AND PARTS INFORMATION FOR
TELETYPE APPARATUS CABINETS
AC200** AND AC210**

*1. GENERAL

a. Teletype apparatus cabinet AC200** accommodates a Model 15 sending-receiving printer, an electrical service unit and a rectifier. The AC210** accommodates a Model 15 receiving-only printer, an electrical service unit and a rectifier. The electrical service units are not included as part of the cabinets. These cabinets are of welded metal construction and may be assembled with other similar cabinets in various composite arrangements. The double asterisk (**) designates a two-letter suffix which indicates the paint finish. The following four standard wrinkle finishes are now available:

AA - Black	AC - Light-Brown
AB - Grey-Green	AD - Dark-Brown

Changes in code designations of apparatus cabinets are effective as follows:

- (1) AC200AA plus the 105014 electrical service unit supersedes AC24.
- (2) AC200AA plus the 111039 electrical service unit supersedes AC31.
- (3) AC210AA plus the 105014 electrical service unit supersedes AC29.
- (4) AC210AA plus the 111039 electrical service unit supersedes AC30.

b. The 111039 electrical service unit includes a 12-point receptacle to facilitate control of a transmitter distributor from tabulator mechanism on a Model 15 printer, or control a reperforator from a Model 15 printer. This receptacle is not present in the 105014 electrical service unit.

2. FEATURES

a. Unless otherwise specified, the following features are common to both cabinets:

b. The sides of the upper section of the cabinet are provided with silencing pads. The front top portion of the cabinet is hinged, so that it can be opened and folded upward out of the way. A counterbalance arm holds the front top portion in the "up" or "open" position. The rear top portion of the cabinet is also hinged so that it can be opened to make the rear of the apparatus accessible.

c. The front top lid is provided with a cover glass. The glass frame is hinged so that it can be unlatched and opened.

d. The top shelf is provided with a silencing pad and shock mountings for the Model 15 printer base. An opening in the top shelf for routing the cords from the base to the electrical service unit is also provided.

* Indicates change

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*e. On AC210** cabinet only, a door is mounted on a frame which supports the front of the top shelf. This door (lower section) may be opened, to make the lower shelf and the electrical service unit accessible.

f. The top shelf and its supporting frame are equipped with rollers so that the entire assembly may be moved forward to make the apparatus accessible. The top shelf and frame may be removed from the cabinet as one unit by sliding it forward until the roller on the right side of the shelf is opposite an opening in the channel in which the roller rides, and tilting it to free the roller from the right channel, and then lifting the entire assembly from the cabinet.

g. A rectifier shelf and space for an electrical service unit are provided in the lower section of the cabinet. The electrical service unit includes plugs, receptacles, jacks, and a variable resistor, which are wired to a terminal block, for connection to power and line circuits. The plugs, receptacles, and jacks are used to complete connections to the apparatus mounted in the cabinet; and the variable resistor is used for regulating the signal line or local test line current as required.

*h. An opening is provided in the lower right half of the front top lid of the receiving-only cover, which makes the motor power switch on the Model 15 printer base accessible. Designation ON and OFF plates are mounted at the top and bottom of this opening to designate the positions of the switch (AC210**).

*i. Openings are provided in the lower left and right portions of the front top lid of the send-receive cover, which make the lever of the send-receive-break mechanism and the motor power switch of the Model 15 printer base accessible. Designation plates are mounted adjacent to these openings (AC200**).

j. A lever operative through an opening in the rear top lid is provided for manually returning the printer carriage with the cover closed.

k. A large hand wheel is furnished with each cabinet for attachment to the Model 15 printer platen shaft to permit manual paper feeding without opening the cabinet.

m. Threaded mounting holes are provided in the lower half of the top front cover for mounting a copyholder (which is furnished as an accessory) if it is desired. The mounting of the copyholder does not interfere with the opening and folding back of the top front cover.

n. Provision has been made in the rear of the cabinet for attachment of form feeding parts for association with a sprocket feed printer, should this be desired.

NOTE

The distance from the printing line on the platen to the glass tearing edge on the cabinet is represented by nine printed lines as compared to five for standard Model 15 printer covers.

* Indicates change

3. INSTALLATION

a. INSTALLATION OF CABINETS IN A SIDE-BY-SIDE ARRANGEMENT

(1) If it is desired that the cabinets be bolted together when installed in a side-by-side arrangement, the following procedure should be followed:

(a) Remove the three knock-outs on the sides of the cabinets which are to be bolted together. One knock-out is located near the top of the upper section of the cabinet and the other two are located just below the top shelf in the lower section.

(b) To compensate for any irregularities in the floor surfaces on which the cabinet is installed, eight U-shaped metal shims .032" thick are provided. To install, loosen the screw which clamps the leather foot to the cabinet and slide the shims in place between the bottom of the cabinet and the top of the leather foot and tighten the clamping screw.

(c) Place a 77020 flat washer on each of three 6035 screws and insert them through the knock-out holes in the walls of the cabinets being bolted together. Place a 77020 flat washer, a 2449 lock washer, and a 3292 nut on each screw.

(d) Align the front and rear surfaces of the cabinets and tighten the 3292 nuts.

b. INSTALLING THE 104521 HANDWHEEL

(1) The standard platen crank handle is not used when the typing unit is installed in the cabinet.

(2) Loosen the lock nut on the set screw in the hub of the handwheel and turn out the set screw so that it does not project into the mounting hole in the hub.

(3) Place the handwheel on the left end of the platen shaft so that the slot in the hub passes over the pin or screw in the platen shaft and tighten the set screw.

(4) See last paragraph on Page 5.

c. MOUNTING THE MODEL 15 APPARATUS IN THE CABINET

(1) Raise the top front lid out of the way and slide the top shelf and frame fully forward.

(2) Place the Model 15 printer base unit on the guide rails on the top shelf and see that the base rests flat on the rails.

*(3) Assemble the Model 15 printer in accordance with Teletype specification S-5017 which accompanies the typing unit. When the installation is made in the AC210** cabinet, refer to special instructions in Bulletin No. 138 covering the positioning of the send-receive lever on bases using receiving-only covers.

* Indicates change

(4) Slide the top shelf and frame fully back into the cabinet. Close the front top lid and see that the handwheel is approximately centered (right to left) in the slot in the top front lid. If not centered, loosen the handwheel set screw and position the handwheel. Tighten the set screw and lock nut.

d. INSTALLATION OF THE RECTIFIER UNIT

*Place the rectifier unit on the lower shelf. On the AC210** cabinet the shelf will be accessible when the front door is open.

e. WIRING

(1) Connect the power and line circuits to the electrical service unit as shown in the wiring diagram of the cabinet involved.

(2) Connect the rectifier unit to the electrical service unit as shown in the wiring diagram of the cabinet involved.

(3) Insert the cords from the base unit through the hole in the top shelf and route the cords directly to the cable clamp on the underside of the top shelf. Loosen the thumb screw and place the cords under the cable clamp so that the ends are toward the front and right-hand side of the shelf. Tighten the thumb screw. Connect the cords to the electrical service unit as shown in the wiring diagram of the cabinet involved.

f. ADJUSTMENTS

(1) FRONT COVER GLASS ADJUSTMENTS

There should be 1/16" to 3/32" clearance between the rear lid and the front cover glass tearing edge. To adjust, position the front cover glass by means of its mounting rails.

(2) FRONT COVER LATCH TENSION

It should require 3 to 8 ozs. to start the cover latch knob moving when the push end of an 8 oz. scale is applied to the knob and pushed in line with the elongated slot. Check both sides.

(3) REAR LID DETENT SPRING ADJUSTMENT

It should require 2 to 6 lbs. to close the rear lid when the push end of a 12 lb. scale is applied at right angle to the outer surface of the lid, just opposite the detent knob. Check both sides. The detent springs should press against the taper of the detent knobs when the lid is closed. To adjust, loosen the detent spring mounting screws and position the detent springs. Tighten the mounting screws.

(4) CARRIAGE RETURN LEVER SPRING TENSION

It should require 2 to 5 ozs. pressure to start the carriage return lever moving when the push end of an 8 oz. scale is applied to the top of the return lever through the opening in the top of the cabinet.

* Indicates change

*(5) FRONT DOOR LATCH ADJUSTMENT (AC210**)

The front door latch bolt should extend $5/32$ " to $7/32$ " beyond the edge of the door. To adjust, loosen the two latch bolt clamping screws and position the bolt. Tighten the clamping screws.

*(6) FRONT DOOR LATCH SPRING TENSION (AC210**)

It should require 3 to 6 ozs. to start the latch bolt moving when the push end of an 8 oz. scale is applied to the bolt and pushed horizontally with the bolt.

(7) TOP SHELF SUPPORTING LEG ROLLERS ADJUSTMENT

With the top shelf fully inside the cabinet, there should be a clearance of $1/16$ " to $1/8$ " between the rollers on the bottom of the legs and the surface on which the cabinet is mounted. To adjust, loosen the two roller mounting screws and move the roller up or down in the elongated slots as required for proper clearance. Tighten the screws.

(8) TOP SHELF BACKSTOP SCREW ADJUSTMENT

(a) With the top shelf fully inside the cabinet, the front surfaces of the top shelf and frame should be flush with, or not more than $1/16$ " inside the front surface of the cabinet. Check both sides. To adjust, loosen the backstop adjusting screw lock nuts and position the backstop screws. Tighten the lock nuts.

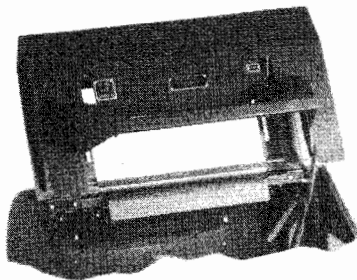
*(b) Thread a 101493 stud with 80255 screw installed, (to be found in the muslin bag tied to the paper feed wheel) from the outside, into the tapped hole (second from the rear) in the rear extension, of the left printer side frame, that supports the paper spindle. Thread the stud into the tapped hole as far as the threads will permit. If necessary, back off the stud until its tapped hole is approximately horizontal and tighten lock nut. If the 80255 screw is not projecting forward, reinsert it with the head toward the front of the printer and snap on the platen crank removed from the Model 15 printer.

* Indicates change

* * *

CODES AND FINISHES FOR MODEL 15 PRINTER APPARATUS CABINETS			
TYPE OF CABINET	NEW CODE	OLD CODE	FINISH
MODEL 15 SENDING-RECEIVING PRINTER CABINET	AC200AA PLUS 105014 ELECTRICAL SERVICE UNIT	AC24	BLACK WRINKLE
	AC200AA PLUS 111039 ELECTRICAL SERVICE UNIT	AC31	BLACK WRINKLE
	AC200AB	NONE	GRAY GREEN WRINKLE
	AC200AC	NONE	LIGHT BROWN WRINKLE
MODEL 15 RECEIVING-ONLY PRINTER CABINET	AC210AA PLUS 105014 ELECTRICAL SERVICE UNIT	AC29	BLACK WRINKLE
	AC210AA PLUS 111039 ELECTRICAL SERVICE UNIT	AC30	BLACK WRINKLE
	AC210AB	NONE	GRAY GREEN WRINKLE
	AC210AC	NONE	LIGHT BROWN WRINKLE

COMPONENTS OF CABINET HAVING A PAINT FINISH					
DESCRIPTION OF PART	FINISH AND PART NUMBER				
	BLACK WRINKLE	GRAY GREEN WRINKLE	LIGHT BROWN WRINKLE	DARK BROWN WRINKLE	
COVERING STRIP	74825AA (SUP'DS. 91222)	74825AB --	74825AC --	74825AD --	
GLASS RAIL - LEFT	115516AA (SUP'DS. 111322)	115516AB --	115516AC --	115516AD --	
GLASS RAIL - RIGHT	115517AA (SUP'DS. 111323)	115517AB --	115517AC --	115517AD --	



PARTIAL VIEW SHOWING UPPER PORTION
OF SENDING-RECEIVING PRINTER APPARATUS CABINET

*COVERING STRIP
1168 SCREW
80986 L. W.
3606 NUT

111317 GLASS
(WITH 111320 STRIPS - FELT)
*GLASS RAIL - LEFT
*GLASS RAIL - RIGHT
80985 SCREW
80986 L. W.
80876 FASTENING STRIP

FOR REAR LID
82414 DETENT KNOB
2191 L. W.
111315 DETENT SPRING
7002 WASHER
2191 L. W.
83885 NUT } FOR 111315

HANDWHEEL (ASSEM.)
(SEE PAGE 9)

CARRIAGE RETURN OPERATING PARTS
(SEE PAGE 8)

116200 ROLLER
98265 SCREW
73175 L. W.
2201 NUT

99906 MOUNTING PLATE
1248 SCREW
99908 RESILIENT MOUNTING
103540 STUD - SMALL
80342 SCREW } TOP OF 103540
2191 L. W.
2669 L. W. } BOTTOM OF 103540
34-4 NUT
99905 STUD - LARGE
70314 WASHER (3) - TOP OF 99905
84579 WASHER } BOTTOM OF 99905
2669 L. W.
34-4 NUT

111613 FOOT
111712 SHIM

111351 WHEEL
114150 WHEEL BRACKET
114149 SHAFT
6810 SCREW
2382 L. W.
3438 WASHER

104572 LID STOP
76099 WASHER
2191 L. W.
83885 NUT

111345 SLIDE BOLT
111346 SPRING
111347 THUMB SCREW

115507 STRIKER PLATE

COUNTERBALANCING PARTS
(SEE PAGE 8)

111361 SCREEN
111357 PAD - FELT

111360 SCREEN
111356 PAD - FELT

73572 SCREW - STOP
3292 NUT

NOT INCLUDED WITH CABINETS
105014 ELEC. SERVICE UNIT
(SEE PAGE 10)
111039 ELEC. SERVICE UNIT
(SEE PAGE 11)
111441 MOUNTING PLATE
1043 SCREW
2669 L. W.
3438 WASHER

35701 SCREW - CORD RETAINER
43838 COTTER PIN

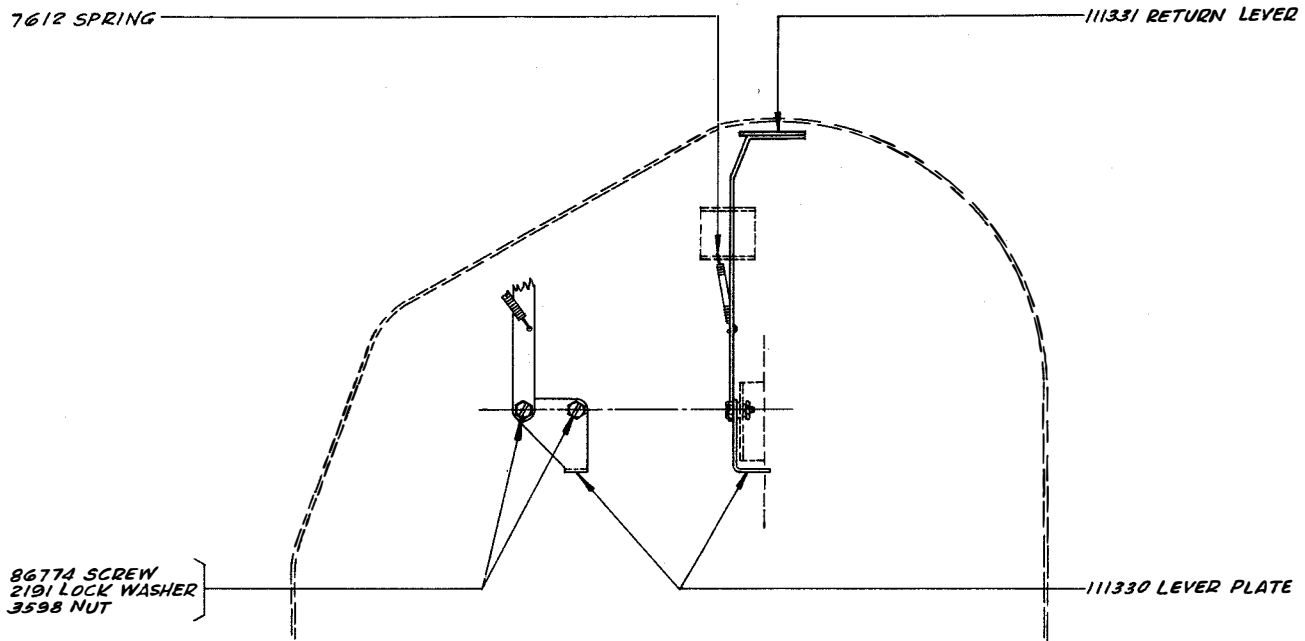
111348 PAD - FELT

USED ON RECEIVING-ONLY CABINETS
111353 LATCH BOLT
111354 BRACKET
111355 SPRING
111462 SCREW

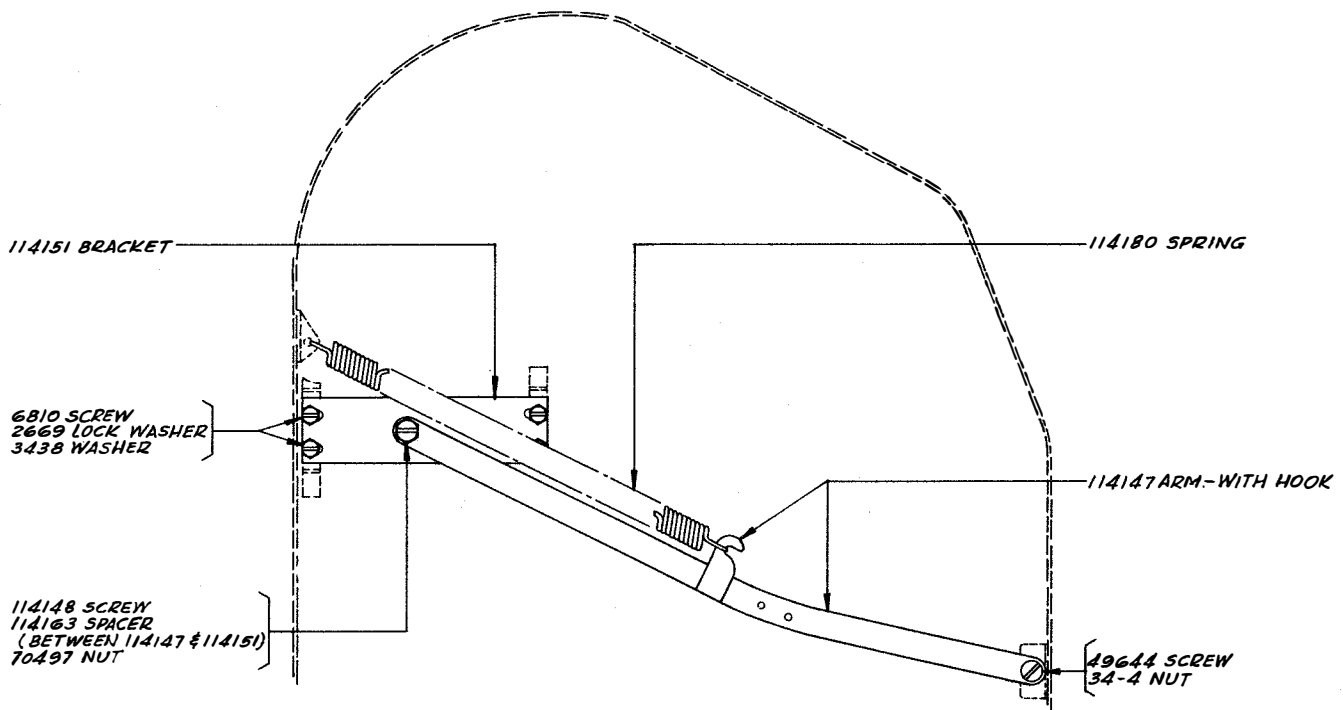
DOOR
FOR COUPLING CABINETS
6035 SCREW
77020 WASHER
2449 L. W.
3292 NUT

2254 WASHER
2191 L. W.
73216 NUT
FOR DUCT PLATE

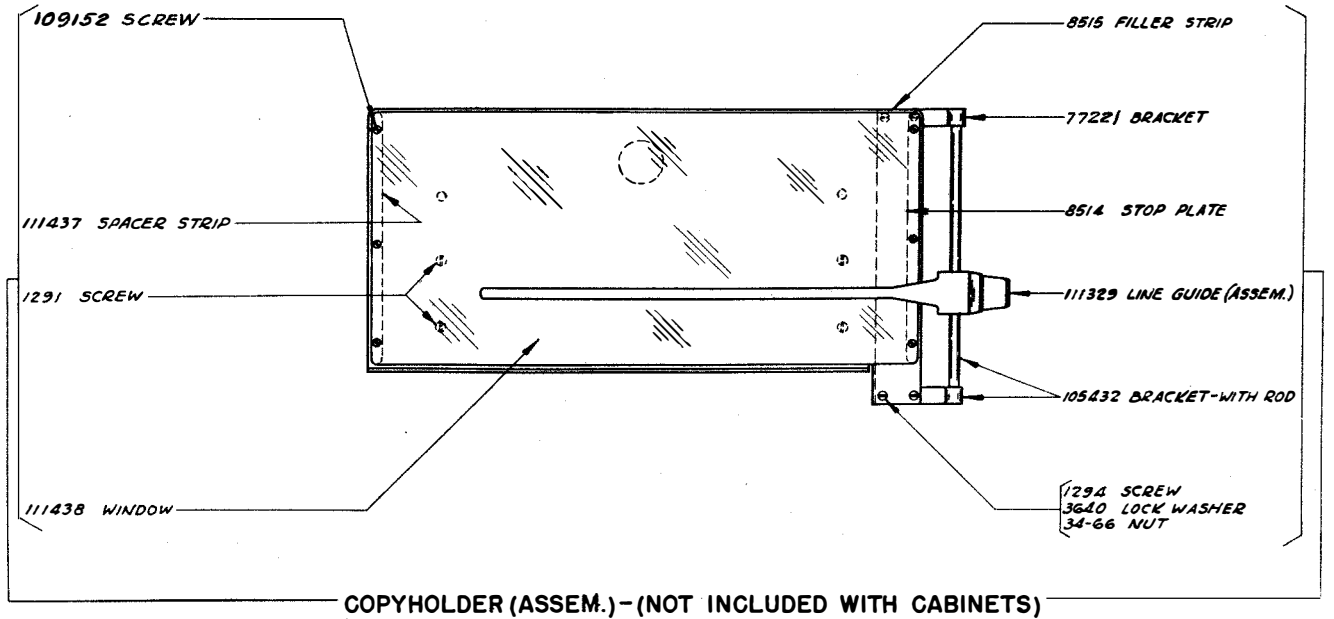
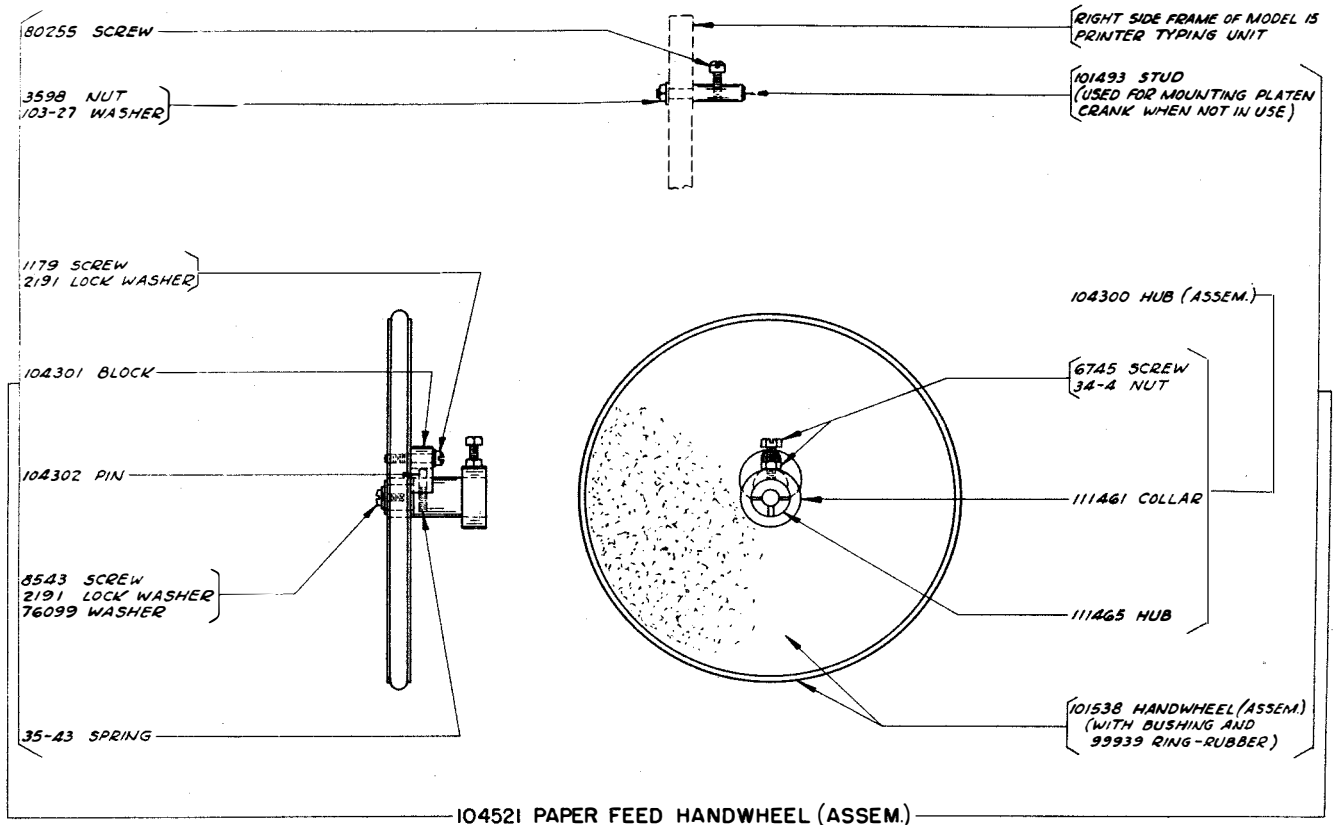
MODEL 15 PRINTER APPARATUS CABINETS
(RECEIVING-ONLY PRINTER CABINET ILLUSTRATED ABOVE)
SEE PAGE 6 FOR CODES AND FINISHES



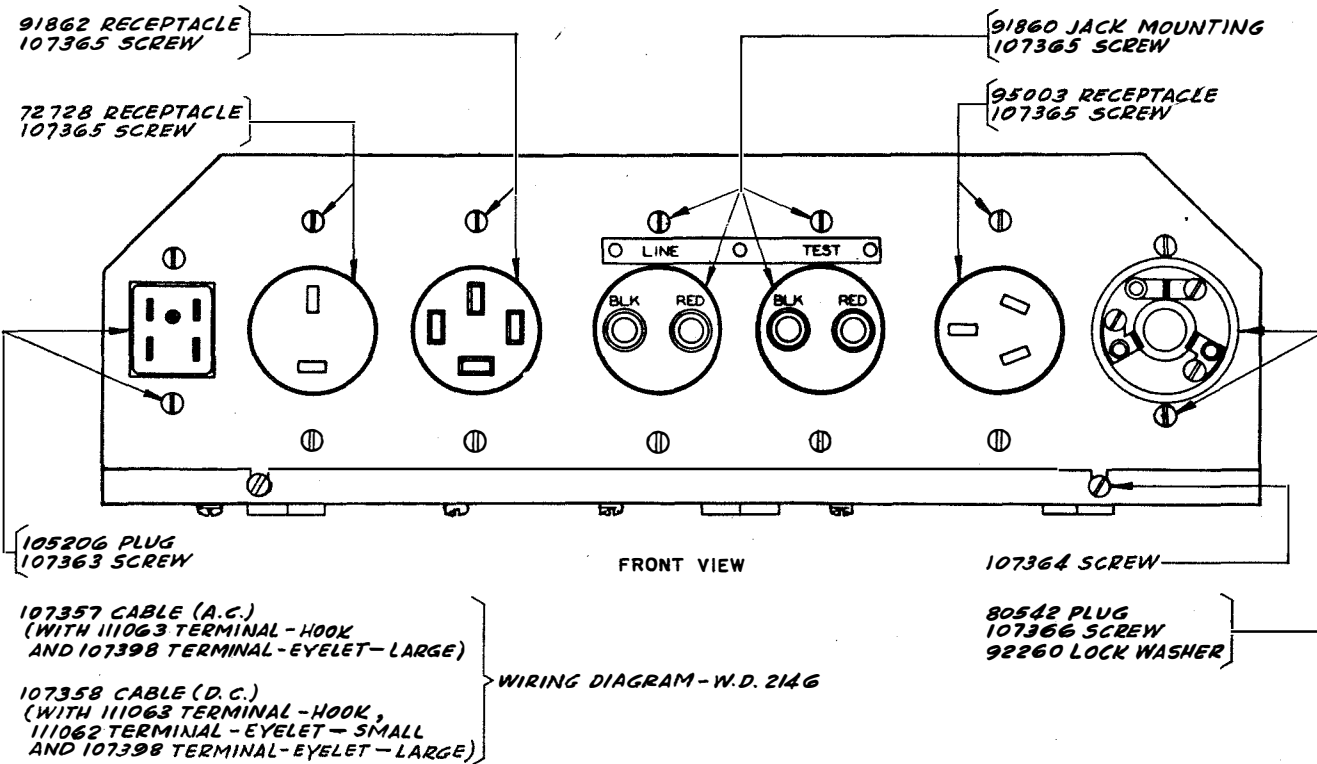
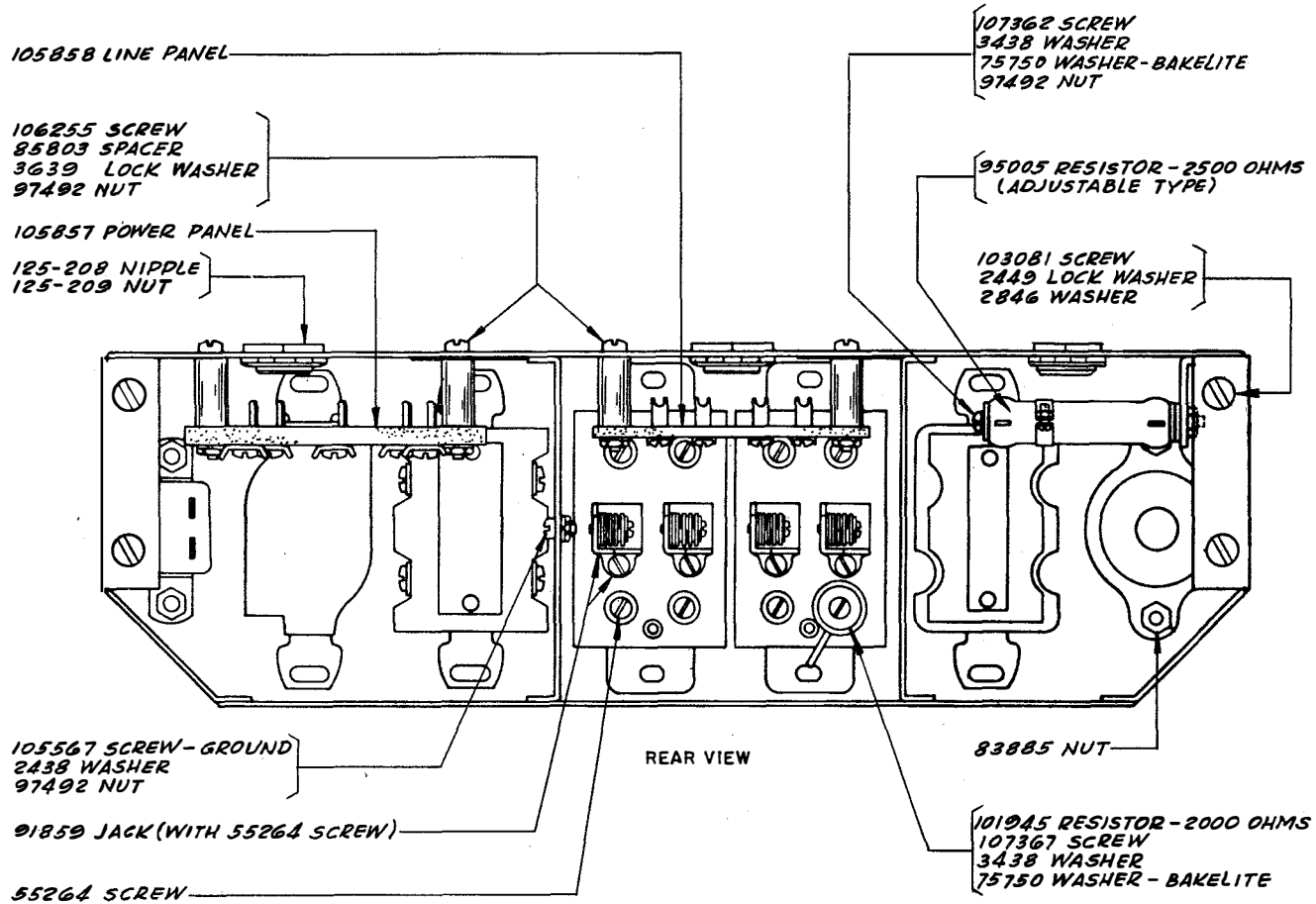
CARRIAGE RETURN OPERATING PARTS
(LEFT SIDE OF CABINET)



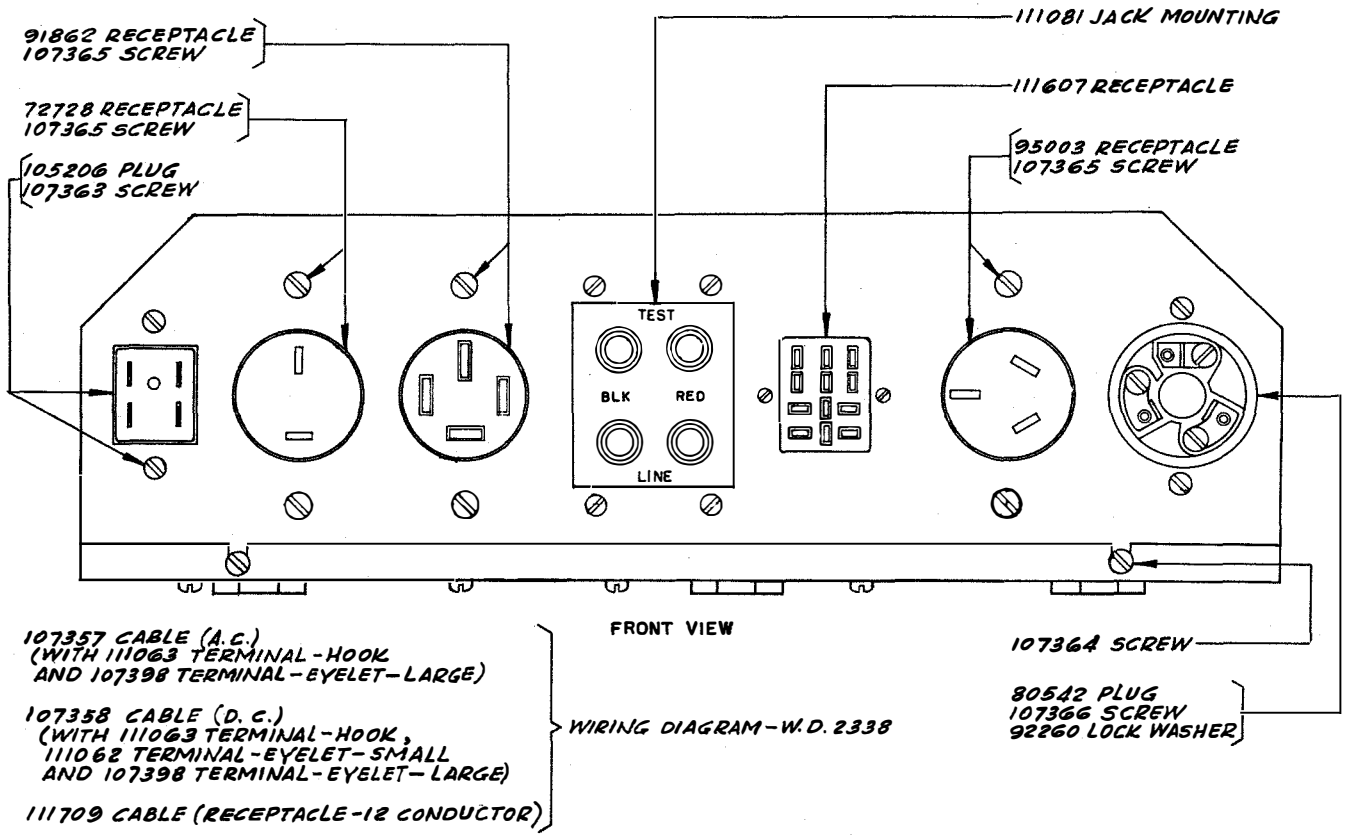
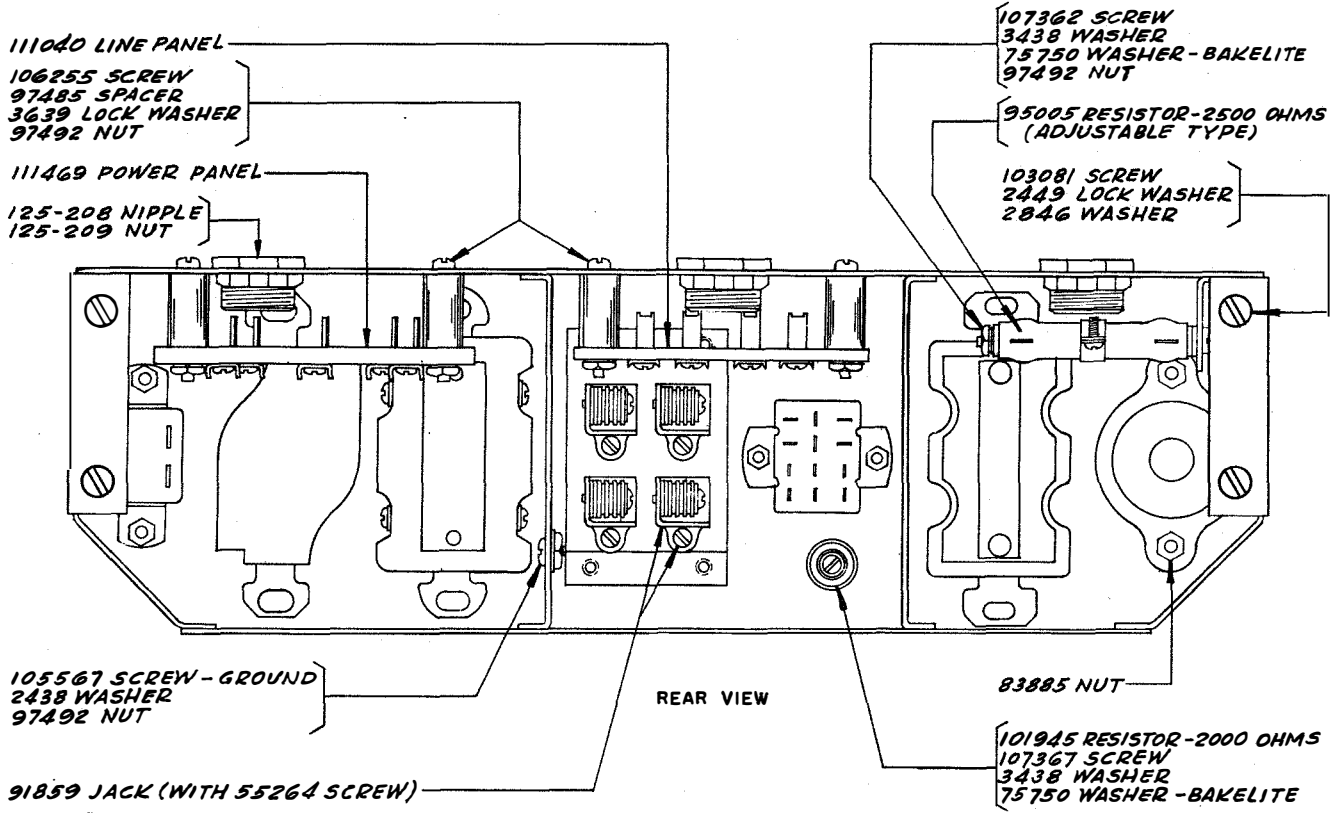
CABINET LID COUNTERBALANCING PARTS
(RIGHT SIDE OF CABINET)



115705AA-BLACK WRINKLE (SUPERSEDES 111364)
115705AB-GRAY GREEN WRINKLE
115705AC-LIGHT BROWN WRINKLE



105014 ELECTRICAL SERVICE UNIT
(NOT INCLUDED WITH CABINETS)



111039 ELECTRICAL SERVICE UNIT
(NOT INCLUDED WITH CABINETS)

