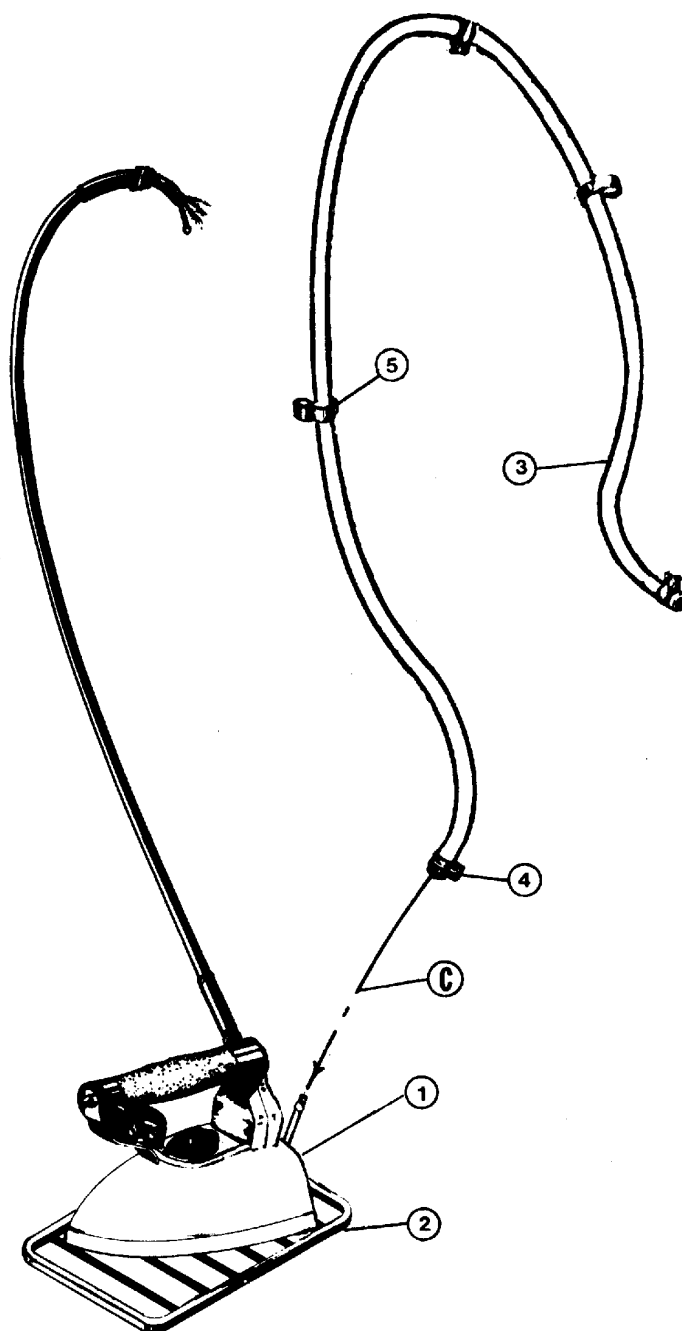


IRON AND LOWBOY ASSEMBLY INSTRUCTIONS

Remove iron (1), iron rest (2) and steam hose (3) from carton.

- A. Unwind iron cord which is wrapped around iron handle.
- B. Set iron on iron rest.
- C. Slip steam hose (3) over iron steam tube and tighten hose clamp (4).
- D. Take steam hose (3) in one hand and iron cord in other and wrap iron cord around steam hose at least twelve times. (see illustration on next page).
- E. Press hose cord spring clip (5) around iron cord to help hold cord in position.

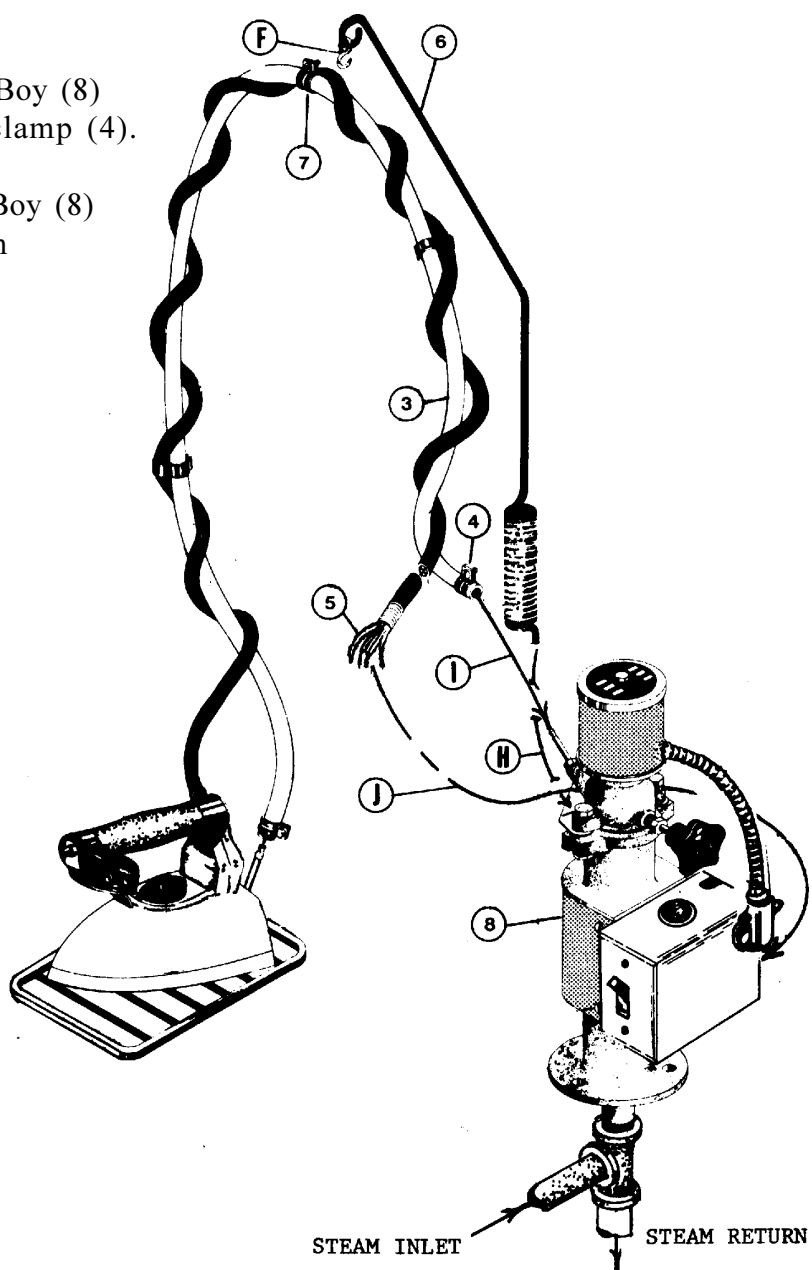


CISSELL MANUFACTURING COMPANY

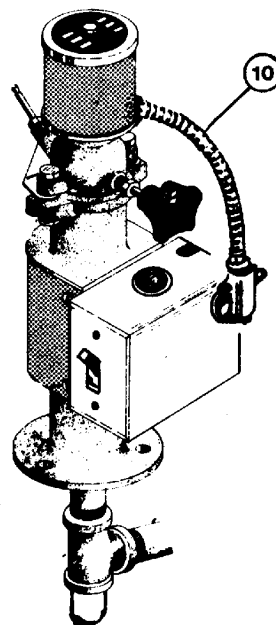
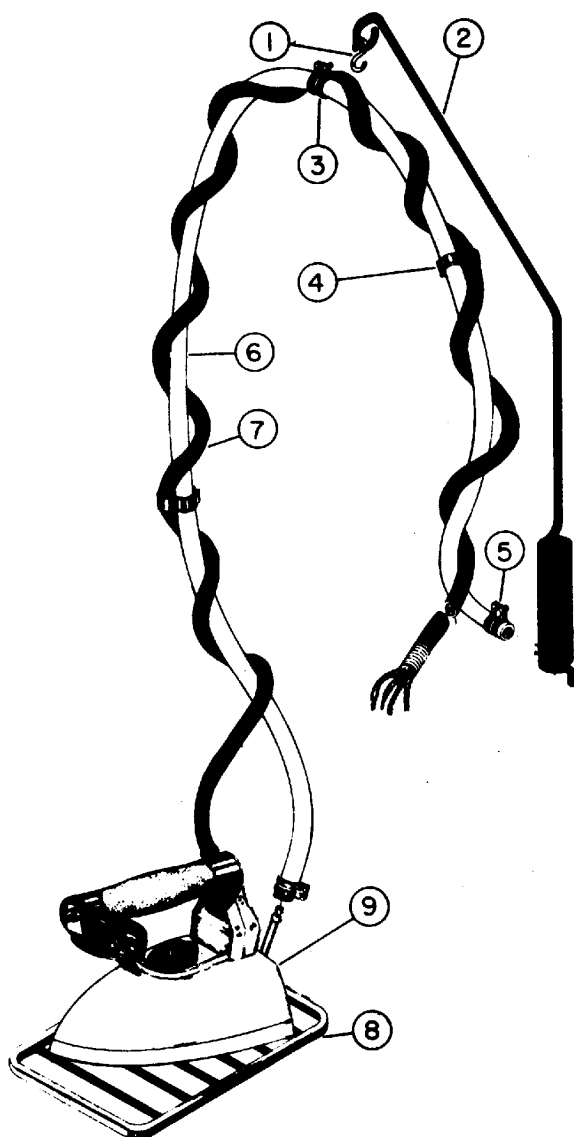
HEADQUARTERS
831 SOUTH FIRST ST.
P.O. BOX 32270
LOUISVILLE, KY 40232-2270

PHONE: (502) 587-1292
SALES FAX: (502) 585-3625
SERVICE/PARTS FAX: (502) 681-1275

- F. Take support spring (6) and connect S hook to hose support clamp (7) pinch S hook closed.
- G. Connect Low Boy (8) to steam line as illustrated on following page.
- H. Insert support string (6) end into Low Boy (8) support spring plate and tighten square head set blot.
- I. Slip steam hose (3) over Low Boy (8) steam tube and tighten hose clamp (4).
- J. Connect iron cord (5) to Low Boy (8) electrical box as illustrated on following page.



OVERALL VIEW PARTS



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	J17	S Hook
2	LB7	Support Spring
3	GSB145	Hose Support Clamp
4	J1	Hose Cord Spring Clip (3 required)
5	J42	Hose Clamp (2 required)
6	S05	Steam Hose (5 ft.)
7	K382	Cord Assembly
8	PIU23	Iron Rest
9		Steam Electric Iron (See attached)
10		Low Boy (See attached)

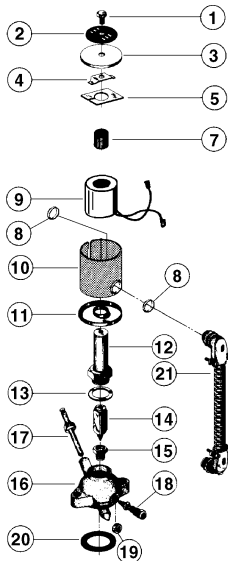


TYPE D LOW BOY ASSEMBLY

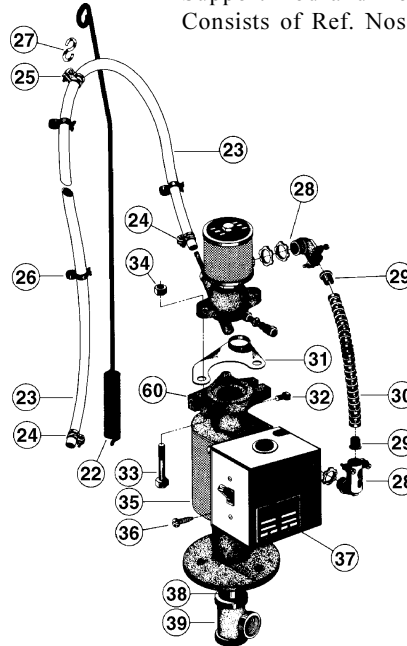
FOR CISSELL STEAM-ELECTRIC IRON
WITH ELECTRIC THUMB SWITCH

LB148 Solenoid Lowboy Valve
120V. 50-60 Cy. consists of Ref. No. 1-21

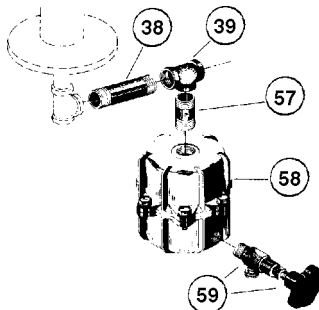
LB149 Solenoid Lowboy Valve
250V. 50-60 Cy. consists of Ref. No. 1-21



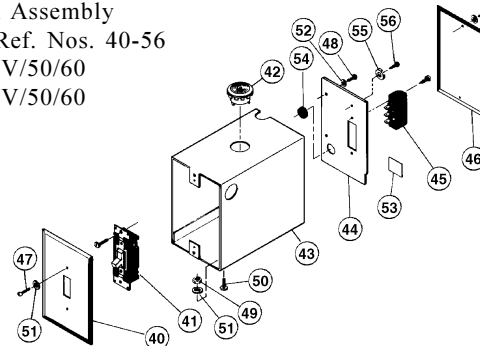
Support Rod and Hose Assembly - LB105
Consists of Ref. Nos. 22-27



For Lowboy & Condenser Ass'y



Electric Box Assembly
Consists of Ref. Nos. 40-56
LB225 - 120V/50/60
LB226 - 240V/50/60



Ref. No.	Part No.	Description			
1	SV80	1/4"-20 Hex Hd. Scw.	22	LB7	Support Rod
2	LB901	Nameplate (120/50-60)	23	S5	5 Ft. Steam Hose
	LB902	Nameplate (240/50-60)	24	GSB145	Hose Clamp
3	LB82	Top Cover	25	GSB145	Hose Clamp
4	SV19	Leaf Spring	26	J1	Spring Clip
5	SV137	Flux Washer	27	J17	"S" Hook
6			28	F876	90° Connector
7	SV54	Tube	29	C170	Cable Bushing
8			30	LB117	Flexible Cable
9	LB231	Solenoid Coil (120/50-60)	31	LB56	Spring Support Plate
	LB232	Solenoid Coil (240/50-60)	32	LB48	1/4" - 20 x 1/2" Set Screw
10	LB116	Shield	33	FB188	5/16" x 2" Hex Hd. Screw
11	LB83	Bottom Cover	34	V56	5/16" - 24" Hex Nut
12	SV22	Plunger Casing Assy.	35	LB13	Chamber Shield
13	SV11	Metal Gasket	36	LB55	No. 14 x 1" Pan Hd. Screw
14	SVA50	Plunger Assy.	37	LB129	Rating Nameplate
15	SV51	Teflon Seat	38	LB20	1/2" x 3" Pipe Nipple
16	LB2	Valve Body	39	SG45	1/2" Pipe Tee
17	LB5	Hose Connection	40	LB30	Switch Cover Plate
18	V73	Valve Stem Assy.	41	LB53	Double Pole Switch
19	V30	Small Pack Ring	42	M102	Amber Light 110V
20	V18	Gasket		M454	Amber Light 220V
21	LB118	Cable Assy.	43	LB221	Box Welded Asm.
			44	LB227	Terminal Mounting Plate
			45	LB222	Terminal Block
			46	LB59	Blank Face Plate
			47	LB166	6-32 x 1/2" O. H. Screw
			48	TU3478	#8-32 x 1/2" S. T. Screw
			49	TU3400	#6-32 Hex Nut
			50	LB291	#6-32 x 3/8" Screw
			51	M270	#6 I. T. Lockwasher
			52	M271	#8 I. T. Lockwasher
			53	LB211	Power Conn. Label
			54	TU10193	Heyco Bushing
			55	TU7414	Cup Washer
			56	TU8563	Green Ground Screw
			57	TU2714	1/2" Close Nipple
			58	SGC2	Condenser Assy.
			59	SGV1	Valve Assy.
			60	LB1	Chamber
				LB224	Wiring (120, 240 V. 50/60 Cy.) Not Illustrated

INSTALLATION

SET UP: Set unit in position and fasten securely to board. Slip support spring in position and fasten with set screw. Fasten iron rest to board.

IMPORTANT: Before making steam return connections to unit, make steam supply connections. Remove all drain plugs, open steam supply globe valve to steam-flush any borings, grindings or foreign matter that may be clinging within casting or pipes. Close globe valve; replace drain plugs and make steam return connections.

Before attaching steam hose from steam-electric iron to solenoid valve, with steam pressure on unit operate thumb switch several times to remove loose particles of scale dirt, which may become embedded in valve seat. Then fasten steam hose to solenoid valve.

STEAM SUPPLY: Steam supply connection must fall towards machine (without water pockets). Make connection with 12" or more riser out of steam supply line with union and globe valve. (NOTE: If machine is on the end of a line of equipment, then extend steam header line at least four feet beyond machine. Install check valve and trap at end of line. If gravity return omit trap.)

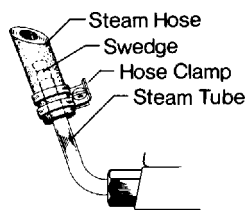
STEAM RETURN: If steam is returned to atmosphere or sewer, make steam return connection with union, globe valve, check valve and trap with drain. If steam is gravity returned to boiler, omit trap, but install trap as close to floor and as near machine as possible. Inspect traps carefully for inlet and outlet marks and install according to factory instruction. BLOW SCALE AND DIRT FROM STEAM LINES BEFORE INSTALLING TRAP TO INSURE PROPER OPERATION.)

WIRING: Check Voltage and current of solenoid valve and see that they correspond with power line before making installation. Use irons with properly rated thumb switch.

NOTE: Connect power supply to terminals in electric box as per wiring diagram in accordance with electric code in your area.

FOR THREE PHASE CURRENT: Connect two wires from three phase supply to two Power Connections of outlet box.

IMPORTANT: Connect ground wire as shown and check all wiring before closing switch.



IMPORTANT

Attach Steam Hose to Steam Tube as illustrated. Push Steam Hose down on Steam Tube just far enough beyond swedge to allow Hose clamp connection. Do not push Steam Hose all the way down on Steam Tube as this will cause hose to burn out.

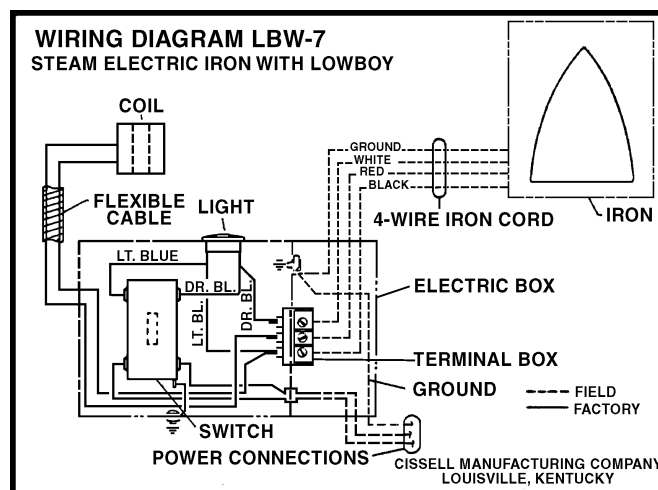
MECHANICAL SPECIFICATIONS

Boiler Horsepower - Approximately 1/8.

Operating Steam Pressure - 5 to 100 lbs.

Steam Supply - 1/2" Pipe Connection.

Steam Return - 1/2" Pipe Connection.



MECHANICAL OPERATION

Place iron on rest. Turn toggle switch on (pilot light indicates when current is on); allow iron to heat, set indicator to Rayon. Open steam supply and return valves. A cold iron will throw water. Wait until iron becomes hot then push electric thumb

switch of iron to allow steam to flow from soleplate of iron. Release thumb switch to stop steam flow. Screw valve knob in for less steam, out for more.

MECHANICAL MAINTENANCE

To replace coil in solenoid valve, remove bolt, cover, leaf spring, insulating washer and coil. Install new coil and replace washer, spring, cover and bolt. Solenoid valve is packless. To replace renewable valve seat or plunger, unscrew large hex nut from

lower cast body. Coil or solenoid valve is constructed of heat resisting materials. When ordering new coil, specify voltage and current, giving frequency of power line. Example: 120 Volt, 60 cycle, A.C.

CISSELL LOW BOY ASSEMBLY FOR CISSELL STEAM-ELECTRIC IRON WITH ELECTRIC THUMB SWITCH

