

INSTALLATION, OPERATION AND MAINTENANCE

VIBRA STEAMER

MODEL: STEAMERETTE

MODEL NUMBER: _____

SERIAL NUMBER: _____

**LIND
INDUSTRIES, INC.**

9615 STONE AVE N
SEATTLE, WA 98103-3337
U.S.A.

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WARRANTY

Lind Industries, Inc. warrants, to the original purchaser only, this equipment to be free from defects in material and workmanship for a period of one (1) year from the date of shipment by Lind Industries, Inc. or 2080 hours of operation, whichever comes first.

Purchaser's exclusive remedy for any defect in material or workmanship will, at the option of Lind Industries, Inc., be limited to the repair or replacement of equipment or parts proven to be defective under normal use, maintenance and service. All defective equipment or parts must be reported in writing to Lind Industries, Inc. within the warranty period. No credit will be given unless the defective part is returned to Lind Industries, Inc., freight prepaid. All labor costs are the exclusive responsibility of the purchaser.

This warranty excludes the expendable parts of the equipment, such as air seal bags, pads, covers, springs, etc. This warranty also excludes parts or accessories supplied with, or as part of, this equipment which are not manufactured by Lind Industries, Inc..

These parts or accessories carry a warranty from the original manufacturer. In the event of a defect in such parts, Lind Industries, Inc. will attempt to enforce such warranty on behalf of the purchaser. Under no circumstances will Lind Industries, Inc. be liable as a result of a breach of any warranty on such parts or accessories.

This warranty is void if this equipment is damaged because of failure to install or operate this equipment in accordance with factory recommended procedures; damage caused by misuse, negligence, accident, abuse, incorrect voltages, improper maintenance or the chemical makeup of the water used in the boiler; damage while in transit or if serial number plate has been altered.

This is the only warranty authorized by Lind Industries, Inc. with respect to this equipment and in lieu of all other warranties, expressed or implied. In no event will Lind Industries, Inc. be held liable for loss of time, inconvenience, lost profits, loss of use of the equipment, or any consequential damages.

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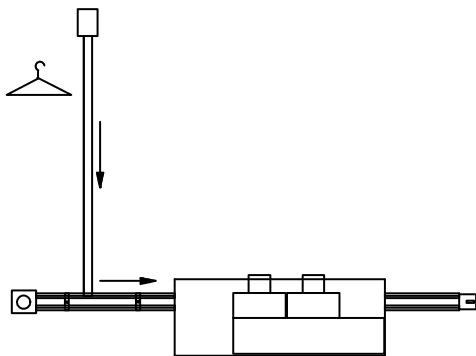
E-Mail: info@lindindustries.com

www.lindindustries.com

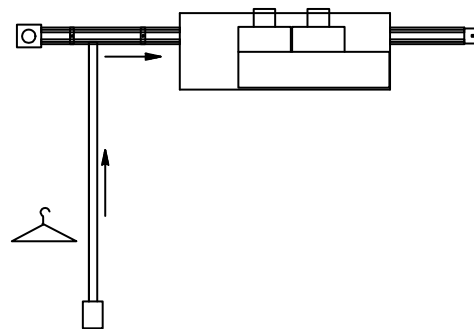
REV.ST03B



Vibra-Steamer Steamerette with optional Floor Stand for Autoloader.
(Right hand feed shown)



Optional Left Hand Feed



Standard Right Hand Feed

VIBRA STEAMER

VIBRA-STEAMER STEAMERETTE

STEAM FINISHING TUNNEL
OPERATION & SERVICE MANUAL

This manual concerns the assembly, preoperational checkout and operation of your “STEAMERETTE”. A series of photographs and drawings is enclosed to help identify the parts referred to in the text. A detailed list of “Symptoms” and “Remedies” for possible malfunctions or operating difficulties is provided to assist in troubleshooting efforts.

This list begins on page 12.

A list of replacement parts has been included near the end of this manual.

Please include the correct part number when ordering replacement parts.

This manual is organized accordingly:

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INTRODUCTION

Your model “**STEAMERETTE**” Garment Finisher may contain any number of available optional equipment noted below.

STANDARD EQUIPMENT

Right- or left-hand feed

Variable speed drive

Conveyor safety clutch

Automatic steam control

Conveyor chain assembly

120v / 1 phase electrical

Right- or left-hand Autoloader (40" long, 26 garment capacity)

Temperature gauge

Water separator and steam trap assembly

Hanger drop-off slide assembly

OPTIONAL EQUIPMENT

Two steam gauges (Incoming Pressure, & Nozzle Pressure)

Pressure regulator valve

Floor stand for Autoloader

Special paint color (blue is standard, White optional)

Right or left hand Autoloader (60" long, 40 garment capacity)

Right or left hand Autoloader (120" long, 80 garment capacity)

Garment takeaway conveyors, 40", 60", or 120" long

Specifications & Dimensions subject to change without notice.

INSTALLATION

UNPACKING

Unpack and carefully check equipment for damage in transportation. If the unit is damaged notify the freight company immediately. The equipment was pretested at the factory, carefully crated and shipped in good working condition. It is the purchaser's responsibility to file all damage claims with the carrier.

UTILITY CONNECTIONS

Electrical: 110v/60 HZ/1 phase 10 amps

A circuit breaker or disconnect capable of handling at least 10 amps should be installed in the power line to the Vibra-Steamer. In any case, conform with local electrical codes for installation of electrical power.

Incoming Steam: 80-100 psi, 3.5 B.H.P.

The steam line to the "Steamerette" should be 1/2" in diameter. Install a shut-off valve to the steam line between the boiler and the "Steamerette".

Blow out new pipe installation before connection is made to the "Steamerette" to prevent damage to the "Steamerette" steam traps, etc.

Optional "Y" strainer with 100 mesh screen also recommended.

See figure 1 for recommended incoming steam connection plumbing assembly.

Condensate Return: Install a 1/2" condensate drain line as required for the individual installation.

Steam Traps: Are provided and no further trapping is to be added.

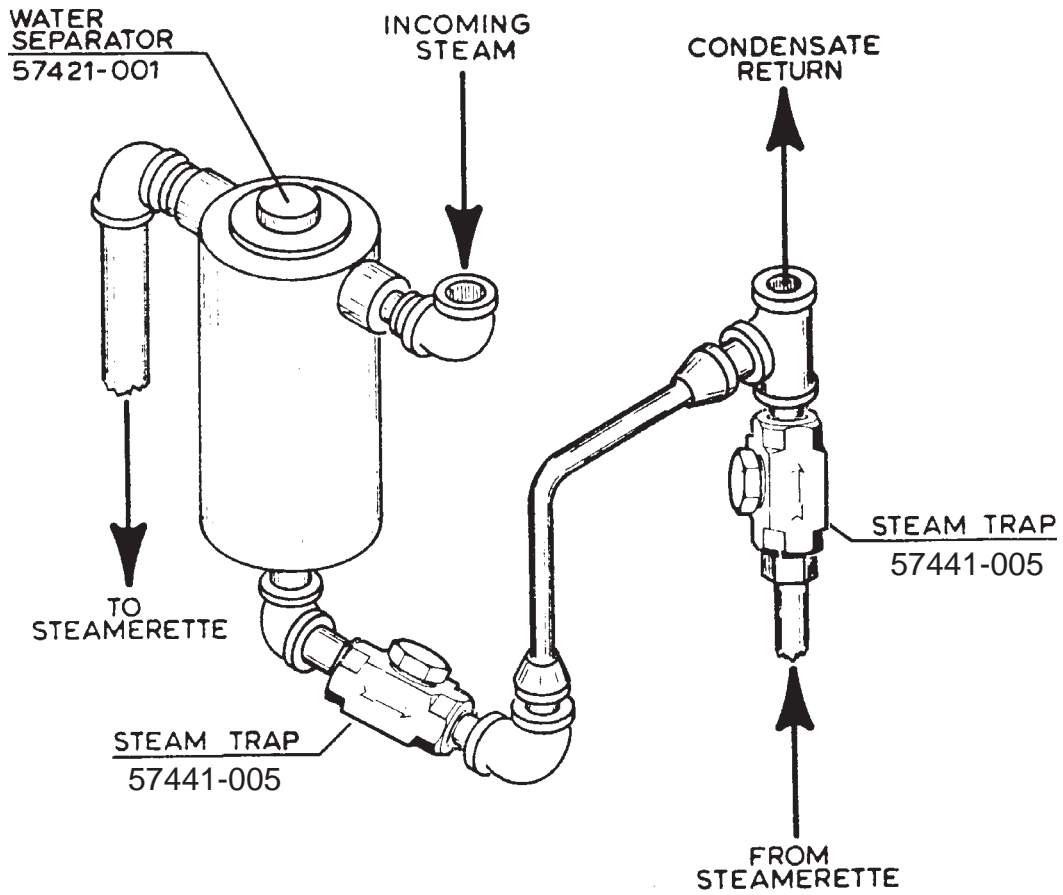


FIGURE 1.

RECOMMENDED INCOMING STEAM
CONNECTION PLUMBING ASSEMBLY
(located atop machine)



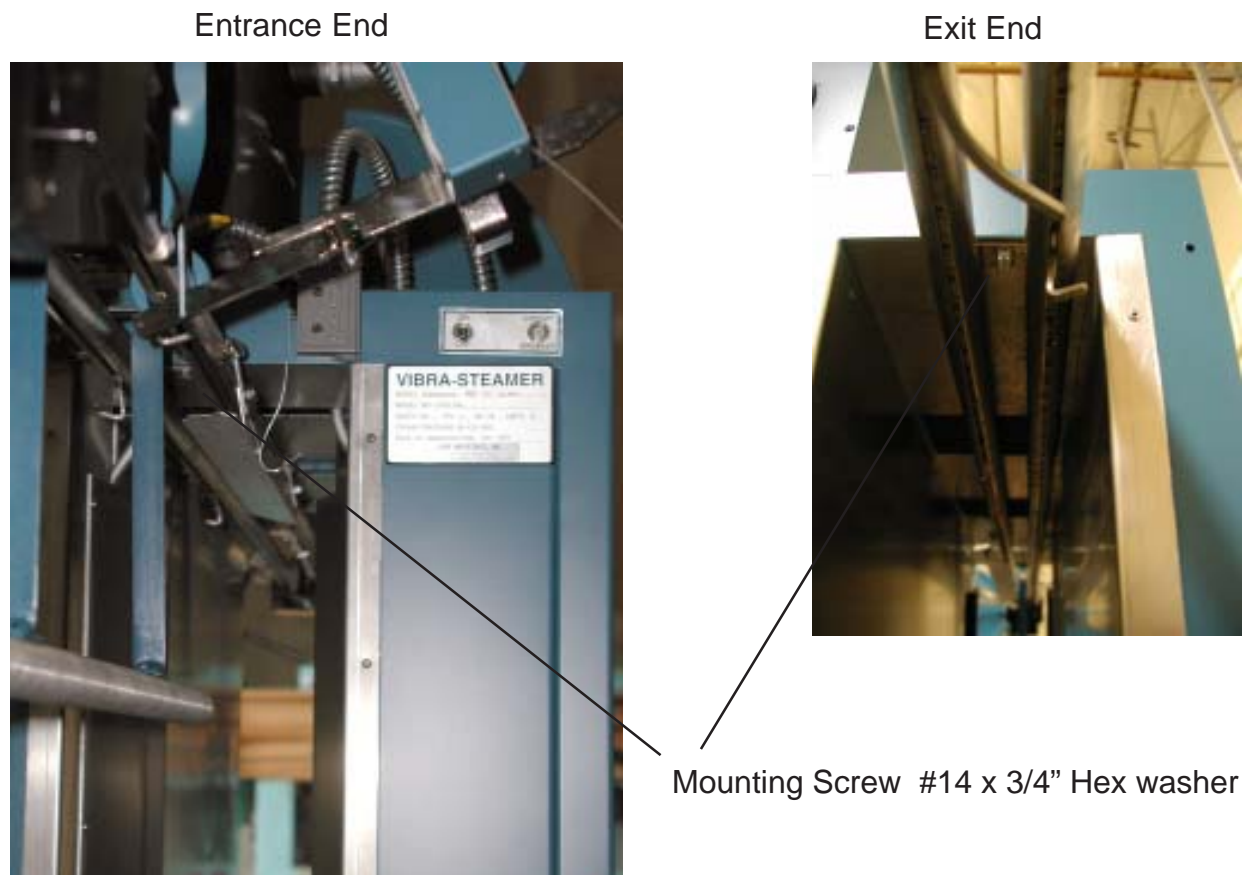
CONVEYOR INSTALLATION

Install conveyor assembly to both entrance and exit end of cabinet by using 1/4" sheet metal screws provided.

Viewing from entrance end of cabinet, for right-hand machine use left side holes, for left-hand machine use right side holes.

NOTE: Drive motor is always on entrance end of cabinet. (entrance end has on/off switch & circuit breaker)

See Figure 2



Viewing from entrance end of cabinet, Mount in left holes for right-hand.
Mount in right holes for left-hand.
(Use mounting screws provided)

FIGURE 2

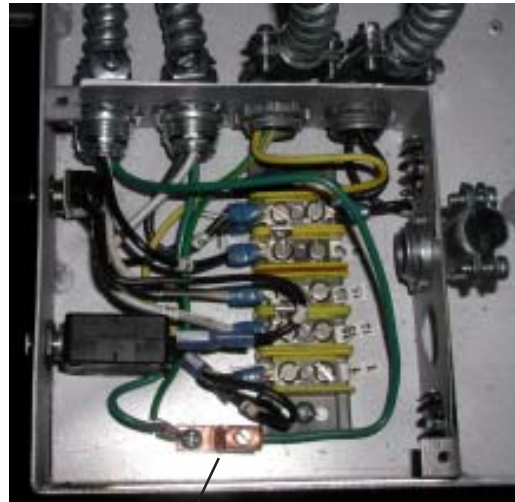
Note: Right-hand mounting shown

CONVEYOR INSTALLATION CONT.

Feed flex from gearmotor through flex connector in cabinet. And connect to junction box on top of Steamerette. see figure 3 Attach wires to corresponding numbers on terminal strip. Green wire to ground lug. See figure 4 Incoming Power should be connected to terminals #1 and #15 (Common) and ground to ground lug.



Flex from gearmotor Flex from autoloader
Figure 3



Ground Lug
Figure 4

STORAGE RAIL INSTALLATION

Mount storage rail support bracket with #14 x 3/4" Hex washer SMS.

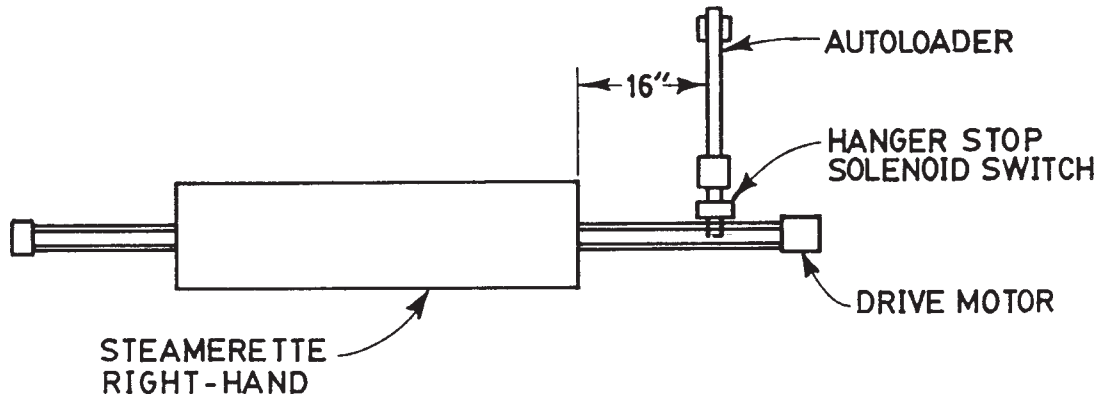


Mount storage rail with 3/8-16 Nut & washers to conveyor. Use 1/4-20 x 1/2" & washer to mount to "J" bracket. (Std. mounting shown above, can be mounted to unload in oposite direction of load. As shown at right.)

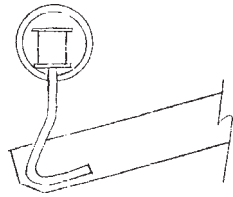


AUTOLOADER INSTALLATION INSTRUCTION for Autoloader with Drop-off pin & Pawl

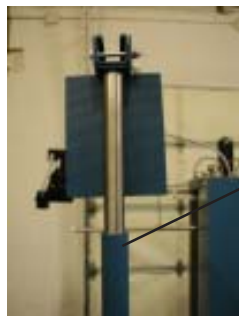
1. Uncrate the Autoloader and carefully inspect for shipping damage.
2. Locate the Autoloader on the conveyor (see enclosed drawing) at least 16" from the point where the conveyor enters the Steamerette.



3. Locate the pawl below the conveyor pipe (see below).



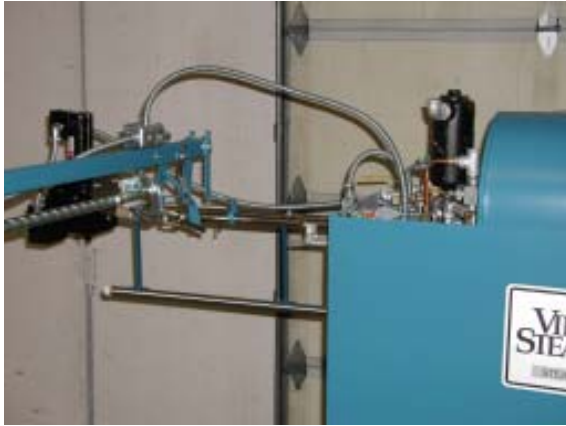
4. Support the motor end of the Autoloader from the ceiling or use optional floor stand part number 32301-003. Any support used should be anti-sway and capable of supporting a minimum weight of 100 pounds.



32301-003



5. Apply 110 volt, 1 phase AC power to the Autoloader by connecting to Steamerette junction box.



Flex from gearmotor Flex from autoloader
Figure 3

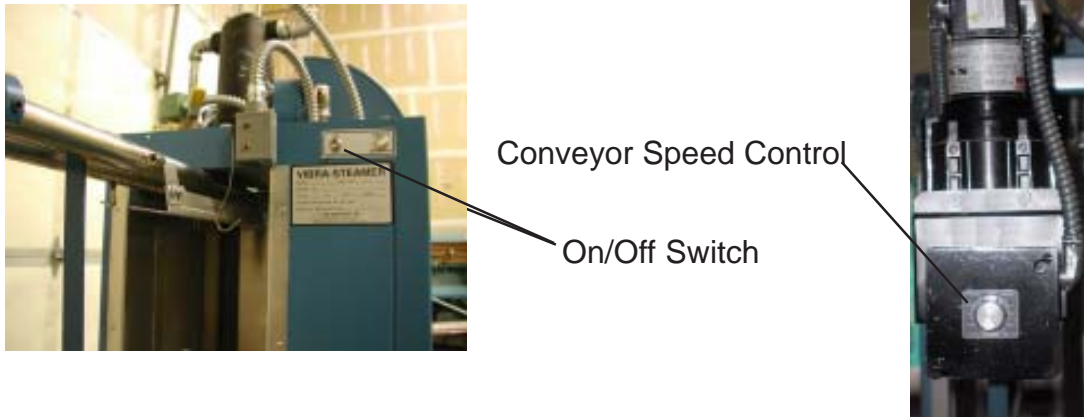
6. Switch the Autoloader "on" and operate the "Steamerette" conveyor.
7. Observe the Autoloader operation and adjust as necessary. Hangers should be loaded onto the screw conveyor pipe so that only one hanger rides in each screw slot.

As the hanger slides down the drop-off pin to the point where it meets the hanger stop, it trips the whisker switch which stops the rotation of the screw pipe. Note that the whisker must be kept below the drop-off pin so that it contacts the hanger neck. The hook will move the pawl to one side allowing the hanger to slide off the drop-off pin, onto the conveyor hook. As soon as the whisker switch is released by the most recently loaded hanger, the motor will activate and rotate until one garment drops from the screw pipe, onto the drop-off pin.

GENERAL PREPARATION AND HANDLING

PREOPERATIONAL CHECKOUT AND ADJUSTMENT

1. Open steam shut off valve to "Steamerette".



2. Position "on-off" switch to "ON" and allow unit to warm up (approximately 5 minutes).
3. Turn on Conveyor speed control. Tension of conveyor chain should be reasonably tight.
4. Adjust ball valve (see fig. 5) for pressure gauge reading of approximately 15 P.S.I. For "Steamerette" without the pressure gauge the ball valve has been factory preset to 1/4 open for standard operation. The ball valve may be readjusted to allow more or less steam through nozzles to obtain the best garment finish.

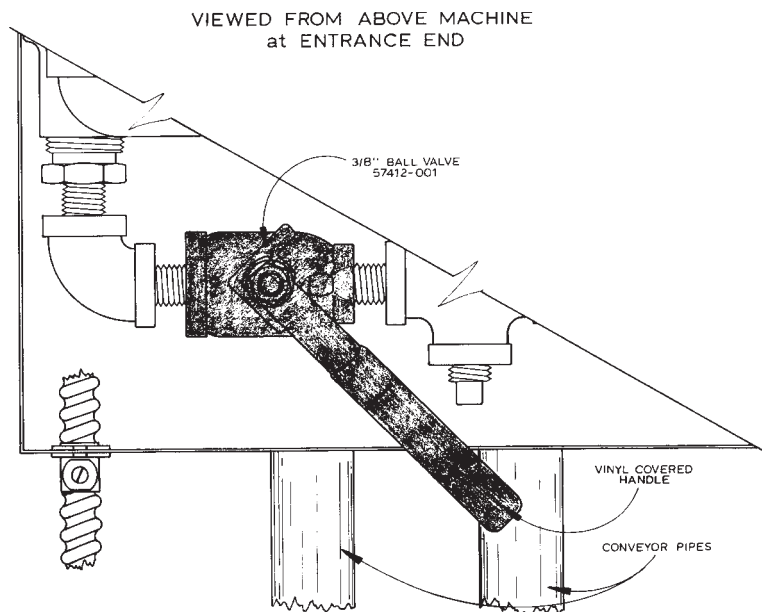


Figure 5

RECOMMENDED CLEANING PROCEDURE

If the garments are to be dry-cleaned, run the garment through a complete cycle, either a dry-to-dry or a cold transfer unit. If a formula is used in which a quantity of water is added to the dry-cleaning compound, the garments should be totally dried until all the solvent and water are removed from the garments. Garments that are damp will finish more slowly and the quality will be inferior to the finish of a fully dry garment.

The most important part of the refinishing in dry-cleaning is allowing a sufficient cool-down time at the end of the drying cycle to bring the garments to within 15°F of room temperature, and avoid overloading the dry-cleaning wheel.

Process all dry-cleaned garments through the "Steamerette" which will tolerate heat and/or steam.

Place the inspection center near the "Steamerette" exit.

A small puff iron and hand iron in or near the inspection area may be desirable to touch up those garments requiring a slight touchup to pass inspection.

OPERATION

START

1. Position "ON-OFF" switch to ON.
2. Allow unit to warm up. Recommended minimum of 5 minutes with full boiler pressure (min. 80 P.S.I.)
3. Thermometer should register 200 - 225°F (at 80 P.S.I. steam pressure) during operation.

OPERATION

Dress garments straight and neat on hanger. Fasten buttons or zippers to where the garment appearance is proper on hanger. Place hanger on Autoloader with open side of hanger hook toward Autoloader "J" brackets.

SHUT DOWN

Position "ON-OFF" switch to OFF.

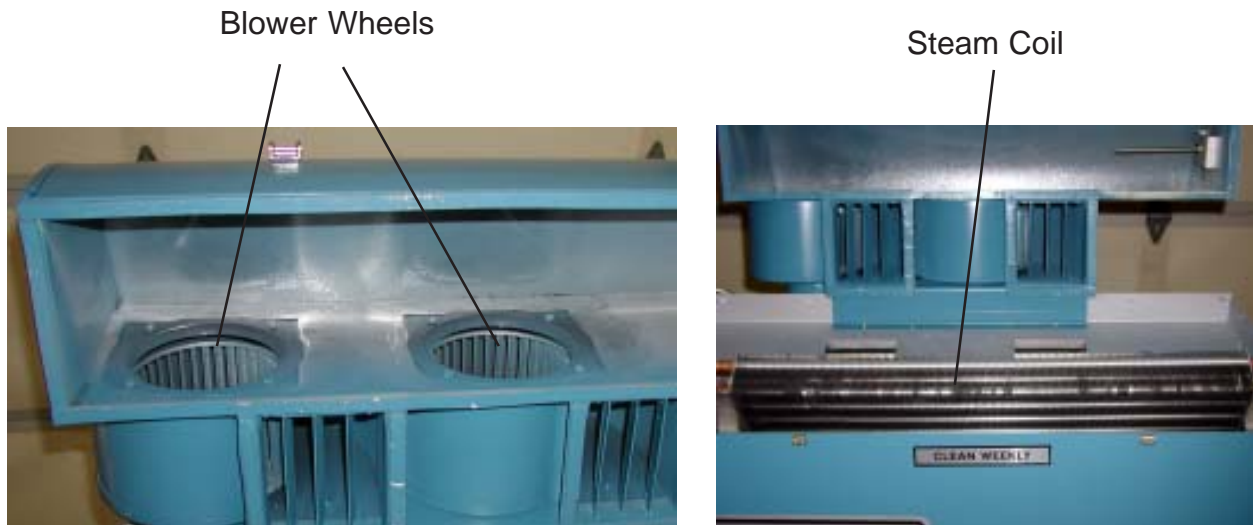
MAINTENANCE AND REPLACEMENT

GENERAL MAINTENANCE

Maintenance of the “Steamerette” consists of preventive and corrective maintenance. Preventive maintenance includes periodic checks, cleaning and lubrication to ensure efficient operation of the equipment. Corrective maintenance consists of trouble shooting the equipment when a malfunction occurs and accomplishing necessary repairs.

PERIODIC CLEANING AND LUBRICATION

Check machine daily for lint buildup to establish “Steamerette” cleaning schedule for your plant. Good housekeeping is essential to assure good quality garment finish and machine service life. Remove lint from blower wheels and steam heater daily or as



needed.

Blower motor bearings should be lubricated every 6 months with 10 to 20 drops of SAE 10W or 20W non-detergent oil (ML type) or with electric motor oil.

Do not lubricate conveyor chain because this will cause the chain to accumulate lint and dirt. If lubricant on chain is desired, use a dry silicone type only.

CHECKS AND TESTS

Following initial installation or when required by reinstallation, check tightness of working component mounting bolts daily for one week. Tighten as required. Check electrical wires and cable for wear and damage semiannually. Repair or replace as required.

WARNING

De-energize and safety tag all electrical circuits to the equipment before attempting to make repairs or change components. Failure to comply may damage the equipment or injure personnel.

Close steam shut off valve to equipment before working on steam lines or components. Contact with live steam will cause severe injury to personnel.

CORRECTIVE MAINTENANCE

Corrective maintenance of the "Steamerette" consists of isolating malfunctions to a defective component and repairing, adjusting, or replacing the defective unit. The trouble shooting table is provided to assist in locating malfunctions. The malfunctions are listed in the left column with probable cause of the malfunction in the center column and the corrective action to be taken in the right column .

TROUBLE SHOOTING TABLE

MALFUNCTION	PROBABLE CAUSE	CORRECTIVE ACTION
"Steamerette" conveyor will not start, or stops as soon as a few garments have been hung on conveyor line.	1. Conveyor Safety clutch assembly out of adjustment.	Readjust or replace. Adjust by loosening set screws. And tightening or loosening large nut. "DO NOT OVERTIGHTEN" you should be able to stop hooks.
	2. Idler sprocket out of adjustment.	Adjust chain tension by moving idler sprocket.
No circulation of heated air in blower chamber.	1. Blower motor failure.	Replace.
	2. Blower fans filled with lint.	Clean.
	3. Steam coil filled with lint.	Clean.
	4. Lint screen filled with lint.	Clean.

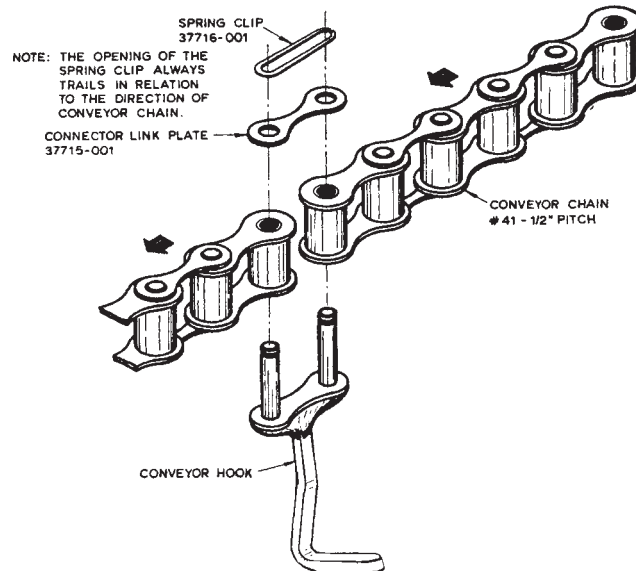
MALFUNCTION	PROBABLE CAUSE	CORRECTIVE ACTION
No steam to "Steamerette" steam nozzles	1. Solenoid valve not opening - defective solenoid coil.	Bad solenoid coil; replace coil.
	2. Actuator bar not closing microswitch.	Bend arm on switch to adjust. Repair or replace.
	3. Microswitch malfunctioning.	Repair or replace.
Steam will not shut off at "Steamerette" nozzles	1. Solenoid valve sticking open.	Repair or replace.
	2. Actuator bar not releasing microswitch.	Check to see if bar swings free. Bend arm on switch to adjust.
	3. Microswitch Malfunctioning.	Repair or replace.
Steam from Manifolds in the "Steamerette" is wet, spraying water on garments.	1. Steam Trap not operating.	Check the steam traps to determine whether they are operating properly. Steam line temperature (leaving the trap) should be from 200-240°F. If the steam line is cold, the trap or steam line is obstructed. If the lines to the trap are sizzling hot on both sides, the trap is returning live steam directly back to the condensate return system. When this occurs take trap and clean it, or replace.
	2. Obstruction in condensate return line, or back pressure in return line.	Clear obstruction. Make sure return line is of correct size.
	3. Inadequate pressure.	Check incoming steam pressure. (80 psi min.) Check water separator to see if it has buildup on screen. Clean or replace.

MAINTENANCE AND REPLACEMENT, cont.

HOOK REPLACEMENT

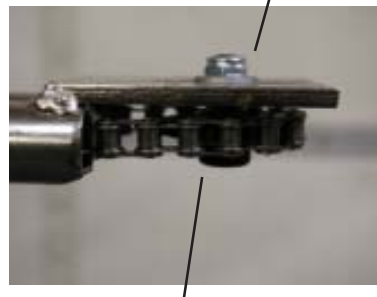
Conveyor Hook assembly 32312-002

The conveyor hooks are made up into a master link. If a hook should break or fail,



Replace as follows:

1. Position "ON-OFF" switch to OFF.
2. Loosen chain tension by loosening sprocket at exit end of conveyor.
3. Remove retainer clip from defective master link.
4. Remove master link with defective hook.
5. Place new master link in chain and secure with retainer clip. Retainer clip should be installed with the split end toward trailing side.
6. Tighten chain tension.
7. Restore power.



32353-012 12 tooth sprocket with shoulder bolt
37121-003 12 tooth sprocket

IDENTIFYING PHOTOGRAPHS

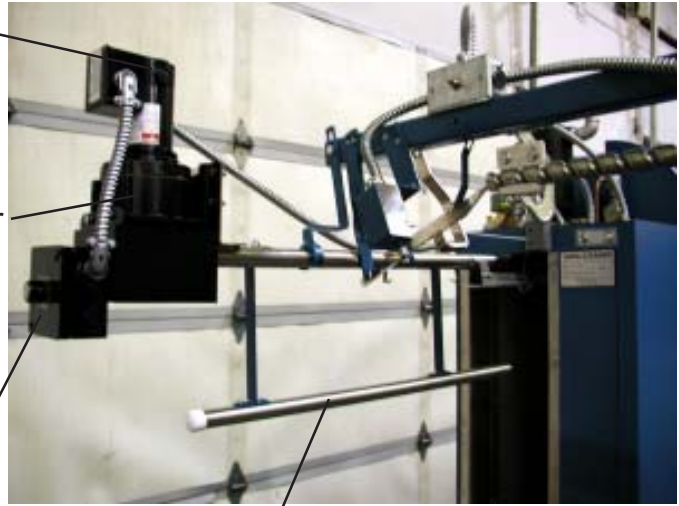
Entrance end of Steamerette



Motor Brush & Spring

47427-001 DC Gearmotor

41611-005 DC Speed Control assembly
incl: 47503-005 knob
47133-003 Dial plate



21463-025 StainlessGarment Guide

32721-002 Clutch 5/8 Bore
31721-001 Friction disk for clutch
31723-002 Drive Sprocket 16 tooth
32312-002 Conveyor Hook assembly



57421-001 Water Separator

47212-007 10amp Circuit Breaker

47511-002 Switch,Toggle (on/off)

47513-001 Switch, Steam Actuator

47541-002 Enclosure, Switch

21351-001 Nozzle Guard

21302-005 Steam Actuator Bar

21465-001 Mounting Bracket for Steam actuator bar

Top of Steamerette
Blower Turn Hood open

Blower Wheels (Impeller)

22642-001 Exhaust baffles



37411-006 Blower 120vac (incl. Motor, Housing, & Impeller)

57451-003 Steam heater Coil



57411-009 Valve, 1/2" Steam Solenoid 120v (ASCO)
57471-013 Repair Kit for Valve (ASCO)

Exit end of Steamerette

37061-001 Thermometer 50-40OF/10-200C

32827-009 Support Bracket

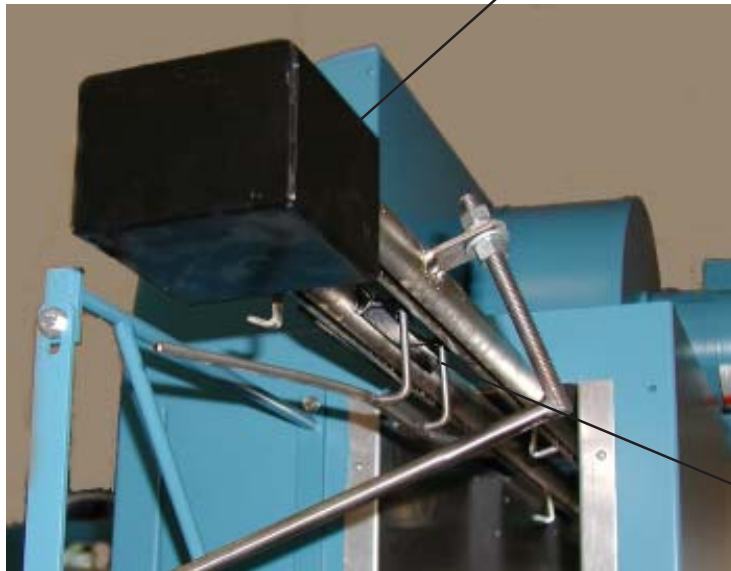


32682-015 Slide Rail (Storage Rail)

Right-hand Steamerette shown (Left-hand knock off)

31844-006 "J" Bracket

21353-013 Guard for Idler Sprocket



33337-004 Knock-off Guide Assembly L.H. (Right-Hand Steamerette)

32626-002 Guide Bar only - L.H. Knock-off (Right-Hand Steamerette)

33337-005 Knock-off Guide Assembly R.H. (Left-Hand Steamerette)

32626-001 Guide Bar only R.H. Knock-off (Left-Hand Steamerette)

PARTS LIST

CONVEYOR PARTS

32321-005	Conveyor Pipe assembly
21302-005	Steam Actuator Bar
33337-004	Knock-off Guide Assembly L.H. (Right-Hand Steamerette)
32626-002	Guide Bar only - L.H. Knock-off (Right-Hand Steamerette)
33337-005	Knock-off Guide Assembly R.H. (Left-Hand Steamerette)
32626-001	Guide Bar only R.H. Knock-off (Left-Hand Steamerette)
21463-025	Garment Guide 28-1/2"
37021-001	Crutch Tip
21161-003	Guard for Drive Sprocket
21353-013	Guard for Idler Sprocket
31721-001	Slide Rail (Storage Rail)
32311-093	Chain assembly (24"hook spacing)
32312-002	Hook assembly (incl. Connector & Spring Clip)
37712-001	Master Link assembly
47427-001	Drive Motor - 90v DC
31723-002	Drive Sprocket 16 tooth (Modified)
37121-003	Idler Sprocket 12 tooth
32353-012	Idler Sprocket 12 tooth with Shoulder bolt
32721-002	Clutch assembly
31721-001	Friction Disks for Clutch

PLUMBING PARTS

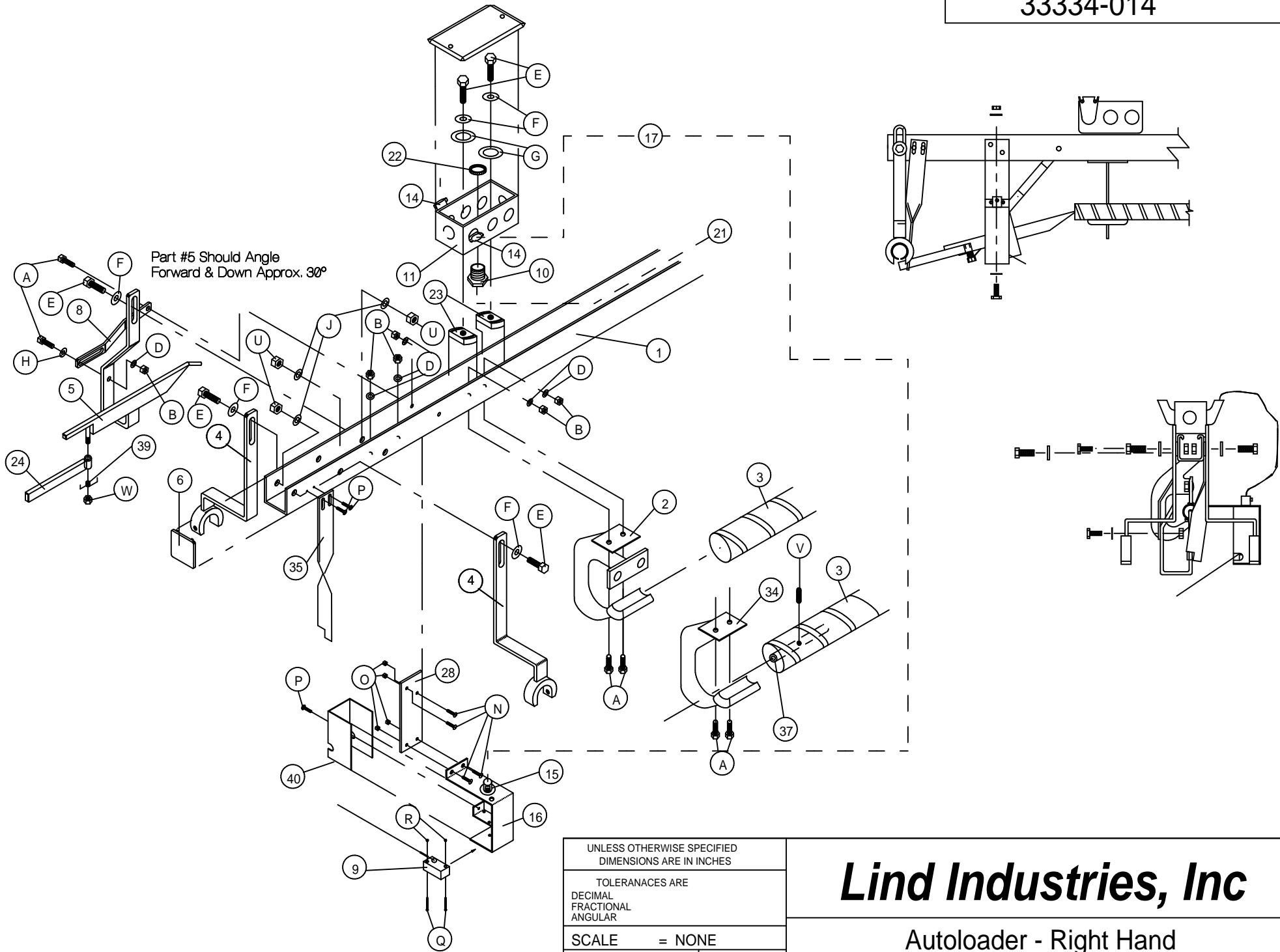
57411-009	Valve, 1/2" Steam Solenoid (ASCO)
57471-013	Repair Kit for Valve 57411-009 (ASCO)
57441-005	Steam Trap 1/2" (Watson McDaniel)
57412-001	Ball Valve 3/8"
52121-001	Steam Manifold
57462-003	Gauge, 0-160# Steam (Optional)
57463-001	Gauge, 0-60# Steam (Optional)

ELECTRICAL PARTS

47212-007	Circuit Breaker 10 amp.
47511-002	Switch, Toggle (on/off)
47513-001	Switch, Steam Actuator
37411-006	Blower 120vac (incl. Motor, Housing, & Impeller)
47410-001	Motor 120vac for 37411-006 Blower
47161-017	Speed Control, Variable DC
47427-001	Motor, Conveyor Drive (90vdc)

MISCELLANEOUS PARTS

37061-001	Thermometer 50-400F/10-200C
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Part #5 Should Angle Forward & Down Approx. 30°

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
TOLERANCES ARE DECIMAL FRACTIONAL ANGULAR		
SCALE = NONE		
DRAWN CKD APPD	BY RBH	DATE 6/5/96

Lind Industries, Inc	
Autoloader - Right Hand with Drop-off Pawl	
DRAWING NO.	33334-014
	page 1 of 2

SYM	REVISION	DATE	APVD	NEXT ASSY.	DESCRIPTION

1	1	31659-001	Unistrut Frame-for 40"	59-3/16				
1	1	31659-002	Unistrut Frame-for 120"	139-3/16				
1	1	31659-003	Unistrut Frame-for 60"	79-3/16				
2	2,3,4	37043-003	"J" Brkt.	for Wire type hangers	34	2,3,4	31722-001	Modified "J" Bracket for Plastic type hangers
3	1	32325-001	Screw Conveyor	40"	35	1	21849-002	Pawl Stop
3	1	32325-002	Screw Conveyor	60"	37	1	31688-003	Stabilizer Bushing 1/2" Nylatron
3	1	32325-003	Screw Conveyor	120"	39	1	21627-004	Spring R.H.
4	2	32828-006	Mtg. Arm Assy.		40	1	21366-001	Cover for Wisker Switch
5	1	32844-008	Pivot "J" Brkt.		A	6		1/4-20 X 3/4 Hex Head Bolt MATERIAL & SPECS
6	1	37054-002	End Cap		B	7		1/4-20 Nut MATERIAL & SPECS
7					C	1		1/4-20 X 1 Hex Head Bolt MATERIAL & SPECS
8	1	21837-001	Support Brkt.		D	7		1/4 Lock Washer MATERIAL & SPECS
9	1	47521-002	Whisker Switch		E	5		3/8-16 X 1 Hex Head Bolt MATERIAL & SPECS
10	1	47511-002	On/Off Switch		F	5		3/8 Flat Washer MATERIAL & SPECS
11	1	47331-004	Junction Box w/Cover	2 X 4	G	2		3/4 to 1/2 Reducing Bushing (elec.)
12					H	3		1/4 Flat Washer
13								
14	2	47314-005	45° Electrical Connector	3/8"	J	3		3/8 Lock Washer
15	4	47314-001	Strait Tite Bite Connector	3/8"	N	4		8-32 X 1/2 Machine Screw
16	1	22821-001	Whisker Switch Mtg. Brkt.		O	4		8-32 Nut
17	1	47311-001	3/8" Conduit Flex	20"	P	1		8-32 X 3/8 TCS
18	1	47311-001	3/8" Conduit Flex	40"	Q	2		4-40 X 3/4 Machine Screw
19					R	2		4-40 Nyloc Nut
20					S	2		6-32 X 1-1/2 Machine Screw
21	1	47271-003	3/8" Conduit Flex	60"/80"/140"	T	2		6-32 Nut
22					U	3		3/8-16 Nut
23	1	37054-001	Unistrut Nut	3/8-16	W	1		1/4-20 Nylock Jam Nut
24	1	32334-003	Pawl					
28	1	21821-062	Mounting Bracket			QTY.	PART NO.	NAME OR DISCRPTION

LIST OF MATERIALS

LIST OF MATERIALS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHESTOLERANCES ARE
DECIMAL
FRACTIONAL
ANGULAR

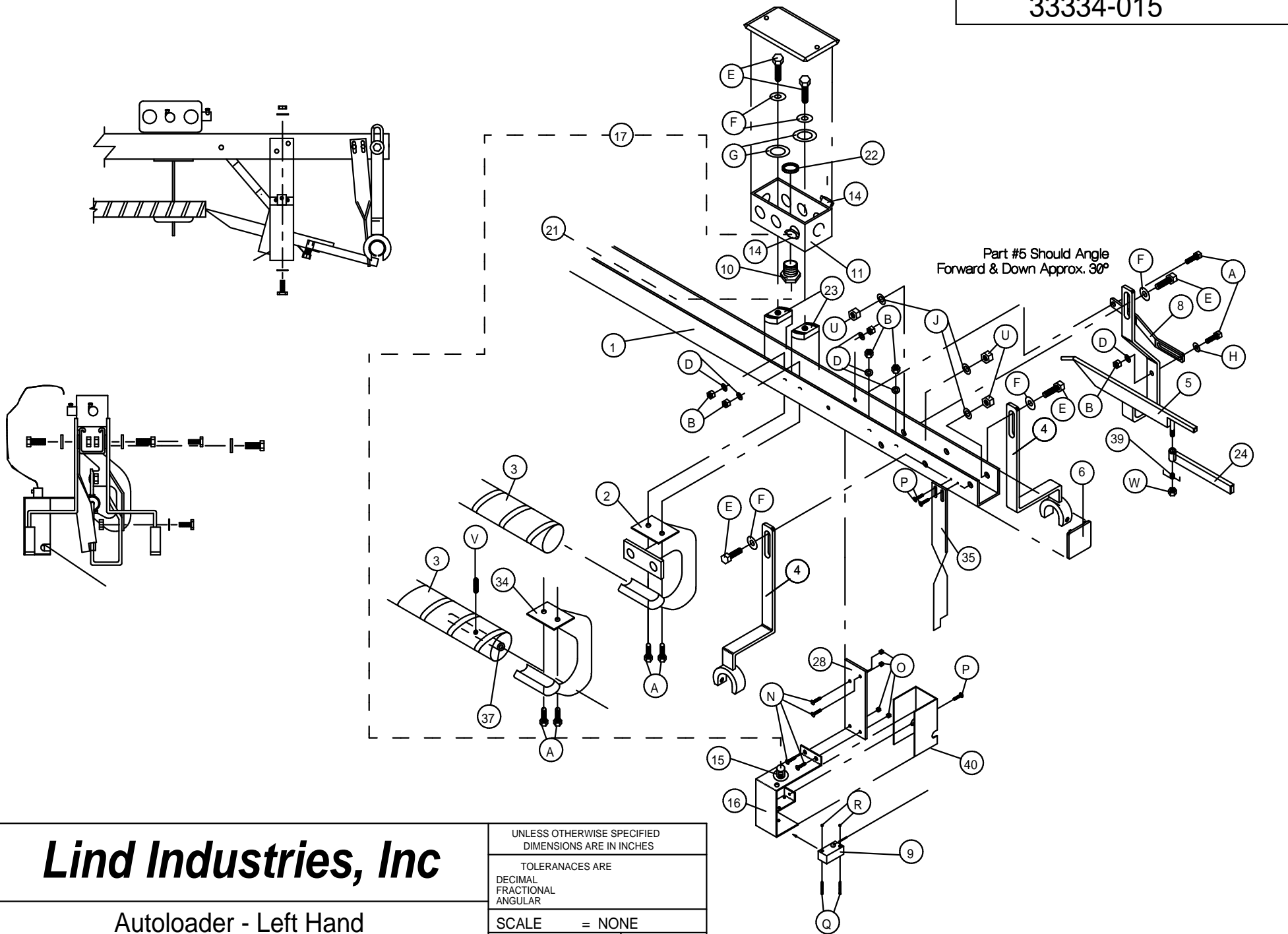
SCALE = NONE

DRAWN BY RBH DATE 6/5/96
CKD
APPD**Lind Industries, Inc**Autoloader - Right Hand
With Drop-off Pawl

DRAWING NO. 33334-014

page 2 of 2

SYM	REVISION	DATE	APVD	NEXT ASSY.	DESCRIPTION
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Lind Industries, Inc

Autoloader - Left Hand
with Drop-off Pawl

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ARE DECIMAL FRACTIONAL ANGULAR	
SCALE	= NONE
DRAWN	BY RBH DATE 6/5/96
CKD	
APPD	

1	1	31659-001	Unistrut Frame-for 40"	59-3/16				
1	1	31659-002	Unistrut Frame-for 120"	139-3/16				
1	1	31659-003	Unistrut Frame-for 60"	79-3/16				
2	2,3,4	37043-003	"J" Brkt.	for Wire type hangers	34	2,3,4	31722-001	Modified "J" Bracket for Plastic type hangers
3	1	32325-001	Screw Conveyor	40"	35	1	21849-002	Pawl Stop
3	1	32325-002	Screw Conveyor	60"	37	1	31688-003	Stabilizer Bushing 1/2" Nylatron
3	1	32325-003	Screw Conveyor	120"	39	1	21627-005	Spring L.H.
4	2	32828-006	Mtg. Arm Assy.		40	1	21366-001	Cover for Wisker Switch
5	1	32844-009	Pivot "J" Brkt.		A	6		1/4-20 X 3/4 Hex Head Bolt
6	1	37054-002	End Cap		B	7		1/4-20 Nut
7					C	1		1/4-20 X 1 Hex Head Bolt
8	1	21837-001	Support Brkt.		D	7		1/4 Lock Washer
9	1	47521-002	Whisker Switch		E	5		3/8-16 X 1 Hex Head Bolt
10	1	47511-002	On/Off Switch		F	5		3/8 Flat Washer
11	1	47331-004	Junction Box w/Cover	2 X 4	G	2		3/4 to 1/2 Reducing Bushing (elec.)
12					H	3		1/4 Flat Washer
13								
14	2	47314-005	45° Electrical Connector	3/8"	J	3		3/8 Lock Washer
15	4	47314-001	Strait Tite Bite Connector	3/8"	N	4		8-32 X 1/2 Machine Screw
16	1	22821-001	Whisker Switch Mtg. Brkt.		O	4		8-32 Nut
17	1	47311-001	3/8" Conduit Flex	20"	P	1		8-32 X 3/8 TCS
18	1	47311-001	3/8" Conduit Flex	40"	Q	2		4-40 X 3/4 Machine Screw
19					R	2		4-40 Nyloc Nut
20					S	2		6-32 X 1-1/2 Machine Screw
21	1	47271-003	3/8" Conduit Flex	60"/80"/140"	T	2		6-32 Nut
22					U	3		3/8-16 Nut
23	1	37054-001	Unistrut Nut	3/8-16	W	1		1/4-20 Nylock Jam Nut
24	1	32334-003	Pawl					
28	1	21821-062	Mounting Bracket				PART NO.	

LIST OF MATERIALS

LIST OF MATERIALS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ARE
DECIMAL
FRACTIONAL
ANGULAR

SCALE = NONE

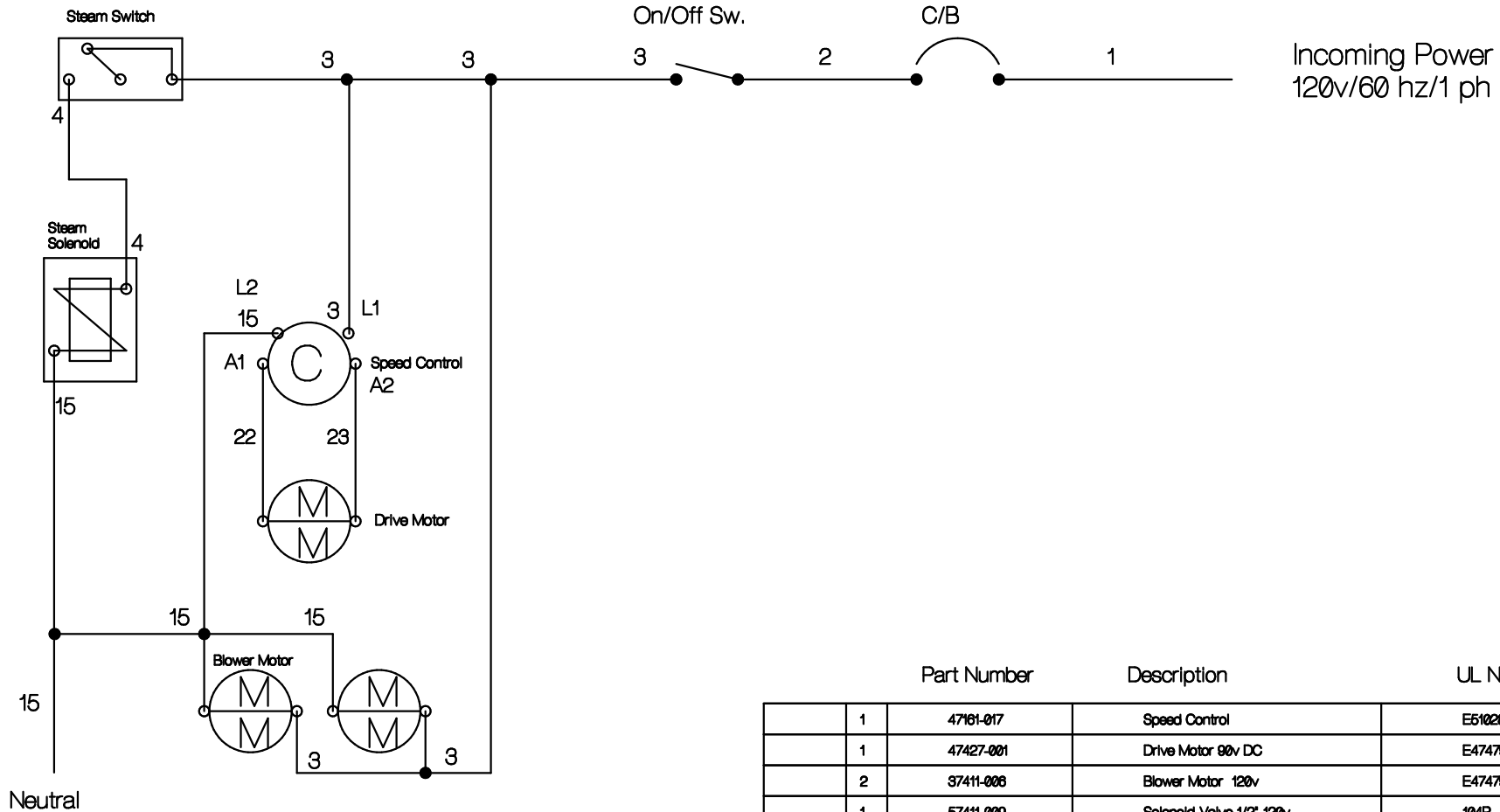
DRAWN BY RBH DATE 6/5/96
CKD
APPD

Lind Industries, Inc

Autoloader - Left Hand
With Drop-off Pawl

DRAWING NO. **33334-015**

SYM	REVISION	DATE	APVD	NEXT ASSY.	DISCRIPTION



	Part Number	Description	UL Number
1	47161-017	Speed Control	E61028
1	47427-001	Drive Motor 90v DC	E47479
2	37411-006	Blower Motor 120v	E47479
1	57411-009	Solenoid Valve 1/2" 120v	104R
1	47513-001	Micro Switch	E12262
1	47511-002	On / Off Switch	E7560
1	47212-007	Circuit Breaker	E69543

Lind Industries, Inc

STEAMERETTE
Electrical Schematic 120v

44115-001

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ARE
DECIMAL + / -
FRACTIONAL + / - /
ANGULAR + / -

SCALE = NONE

DRAWN BY DATE
CKD PDK 02/28/96
APPD

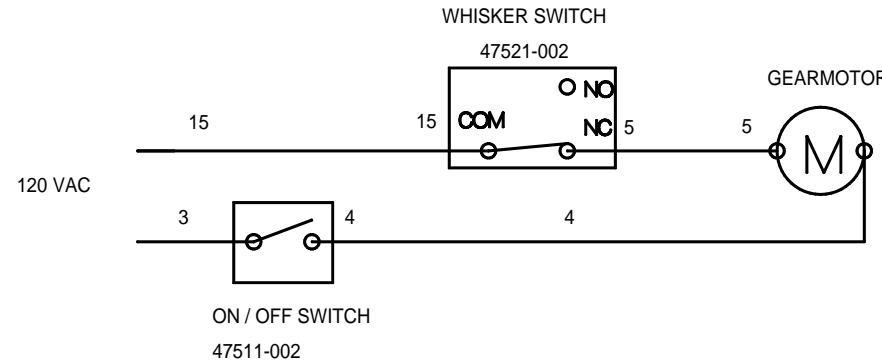
SYM	REVISION	DATE	APVD	NEXT ASSY

ON / OFF SWITCH
3 & 4

WHISKER N/C
5 - BL - N/C
15 - WH - COM
16ga WIRE - 24"

MOTOR
4 - BL
5 - BL

UNISTRUT RUN
4 - BL
5 - BL
Ground - GR
16ga WIRE



0	1	47440-001	GEARMOTOR	10 RPM 120V/60HZ
0	1	47521-002	WHISKER SWITCH	1P2T - NYLON WHISKER
0	1	47511-002	ON / OFF SWITCH	1P1T
0	QTY.	PART NO.	NAME OR DESCRIPTION	MATERIAL & SPECS

LIST OF MATERIALS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ARE
DECIMAL
FRACTIONAL
ANGULAR

SCALE = NONE

DRAWN BY RBH DATE 10/28/97

CKD
REV

Lind Industries, Inc

Autoloader Wiring Diagram
Autoloader w/Pawl - 120v 60hz

DRAWING#

44110-010

page 1 of 1

SYM	REVISION	DATE	APVD	NEXT ASSY.	DESCRIPTION