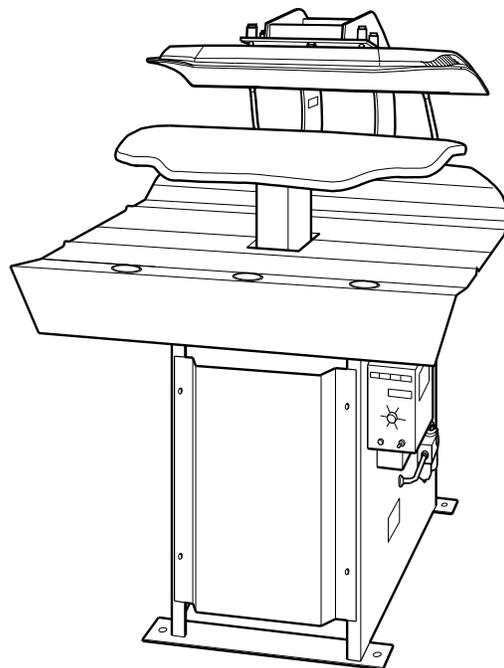


Mighty Mite and Super Laundry Presses

Refer to Page 3 for Model Numbers



SCR1529C

— Operation/Maintenance —

Keep These Instructions for Future Reference.

(If this machine changes ownership, this manual must accompany machine.)



An LSG Company
831 South First Street, P.O. Box 32270
Louisville, KY 40232-2270
Phone: (502) 587-1292
Sales Fax: (502) 585-3625
Service/Parts Fax: (502) 681-1275

www.cissellmfg.com

Part No. AJ1032
February 2005

Table of Contents

Model Identification	3
Safety Information	5
Explanation of Safety Messages.....	5
Important Safety Instructions	5
Introduction	7
Nameplate Location.....	7
Parts Ordering Information.....	7
General Description	7
Optional Equipment.....	7
Operation	9
Operating Controls.....	9
Pre-Operating Services	10
Press Operation.....	10
Presses WITHOUT Timers or Presses WITH Timer Set to OFF Position	10
Presses With Timers ONLY	10
Post-Operating Services.....	11
Maintenance	13
Periodic Inspections.....	13
Cleaning Press Head	14
Cleaning Air Filter	15
Cleaning Steam Strainer	15
Cleaning Customer-Furnished Steam Traps	15
Lubrication.....	16
Adjusting Air Line Lubricator Flow Rate.....	18
Filling Air Line Lubricator	18
Quality Troubleshooting.....	19

© Copyright 2005, Alliance Laundry Systems LLC

All rights reserved. No part of the contents of this book may be reproduced or transmitted in any form or by any means without the expressed written consent of the publisher.

Model Identification

Information in this manual is applicable to the following models:

LDBB (CMMBB)
LDCC (CMMCCY)

Safety Information

Explanation of Safety Messages

Precautionary statements (“DANGER,” “WARNING,” and “CAUTION”), followed by specific instructions, are found in this manual and on machine decals. These precautions are intended for the personal safety of the operator, user, servicer, and those maintaining the machine.

	DANGER
Indicates an imminently hazardous situation that, if not avoided, will cause severe personal injury or death.	

	WARNING
WARNING indicates the presence of a hazard that can cause severe personal injury, death, or substantial property damage if the warning is ignored.	

	CAUTION
CAUTION indicates the presence of a hazard that will or can cause minor personal injury or property damage if the caution is ignored.	

Additional precautionary statements (“IMPORTANT” and “NOTE”) are followed by specific instructions.

IMPORTANT: The word “IMPORTANT” is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

NOTE: The word “NOTE” is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

Important Safety Instructions

Save These Instructions

	WARNING
To reduce the risk of fire, electric shock, serious injury or death to persons when using your press, follow these basic precautions:	
<small>W372</small>	

1. Read all instructions before using the press.
2. Refer to the GROUNDING INSTRUCTIONS in the INSTALLATION manual for the proper grounding of the press.
3. Do not allow children to play on or around the press.
4. Do not reach into the press while the press is in operation.
5. Do not install or store the press where it will be exposed to water and/or weather.
6. Do not tamper with the controls.
7. Do not repair or replace any part of the press, or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that the user understands and has the skills to carry out.
8. To reduce the risk of an electric shock or fire, DO NOT use an extension cord or an adapter to connect the press to the electrical power source.
9. Use press only for its intended purpose, finishing garments.
10. ALWAYS disconnect the press from electrical supply before attempting any service. Disconnect the power cord by grasping the plug, not the cord.
11. Install the press according to the INSTALLATION INSTRUCTIONS. All connections for steam, electrical power and grounding must comply with local codes and be made by licensed personnel when required.

Safety Information

12. Replace worn power cords and/or loose plugs.
13. Never operate the press with any guards and/or panels removed.
14. DO NOT operate the press with missing or broken parts.
15. DO NOT bypass any safety devices.
16. Failure to install, maintain, and/or operate this press according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

NOTE: The WARNINGS and IMPORTANT SAFETY INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when installing, maintaining, or operating the press.

Any problems or conditions not understood should be reported to the dealer, distributor, service agent or the manufacturer.

When using your press (garment finishing appliance), basic precautions should always be followed, including the following:

1. Read all instructions.
2. Use appliance only for its intended use.
3. Close supervision is necessary for any appliances being used by or near children. Do not leave appliance unattended while connected.
4. To reduce the likelihood of circuit overload, do not operate another high wattage appliance on the same circuit.

Safety signs and labels are also placed on the press. Those signs and labels are limited messages. Where needed, further explanations are provided in the manual. These signs are to be inspected for readability and replaced when missing, damaged or unreadable. Refer to *Maintenance* section of this manual for inspections process. Refer to parts manual for ordering information.

	DANGER
<p>To avoid possible serious injury, ensure that air and steam supply systems have adequate RELIEF VALVE PROTECTION or have the pressures sufficiently limited at the sources for safe operating pressures as specified for this equipment.</p>	
<small>W333</small>	

	WARNING
<p>To AVOID possible serious injury, BEFORE performing maintenance or repair tasks:</p> <ul style="list-style-type: none">• Shut off and lock out ALL electric power to the press.• Shut off and lock out ALL air service to the press.• Shut off and lock out ALL steam service to the press.• Allow heated surfaces to cool.	
<small>W358</small>	

	WARNING
<ul style="list-style-type: none">• Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce serious injury, death, and/or property damage.• Do not repair or replace any part of the machine or attempt any servicing unless specifically recommended or published in the service manual and that you understand and have the skills to carry out.• Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the machine is properly grounded and to reduce the risk of fire, electric shock, serious injury, or death.	
<small>W335</small>	

Introduction

Nameplate Location

The nameplate is located at the right side of the unit. Always provide the machine's serial number and model number when ordering parts or when seeking technical assistance.

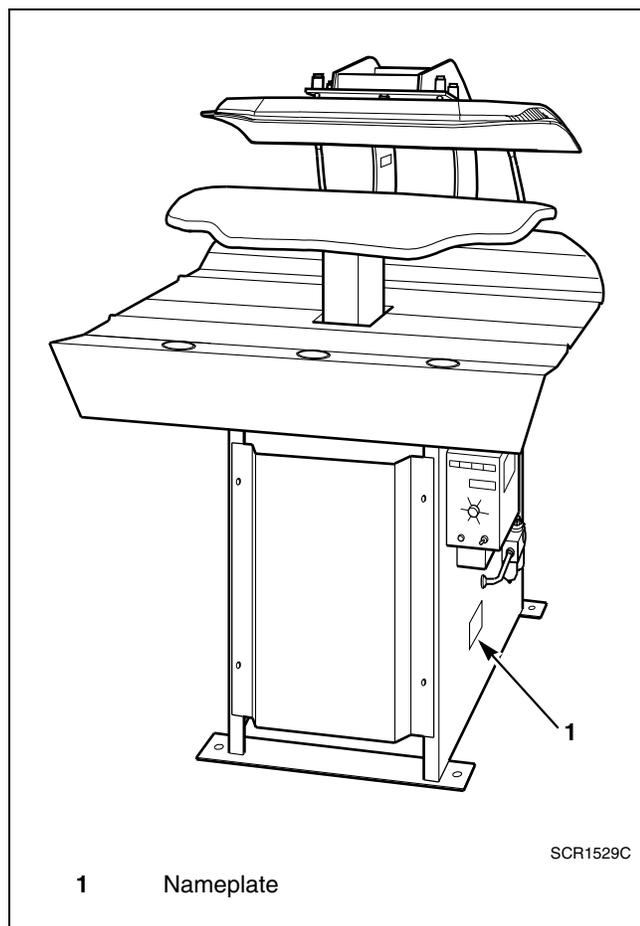


Figure 1

Parts Ordering Information

If literature or replacement parts are required, contact the source from which the machine was purchased or contact Cissell at (502) 587-1292 for the name and address of the nearest authorized parts distributor.

General Description

Press is an air operated, steam heated garment press. Press is designed for pressing of damp garments. Major press components are:

- Steam heated head and buck.
- One air cylinder dedicated to closing head AND automatically apply pressing pressure once head is closed.
- An adjustable muffler that cushions head opening.
- Head opening springs which extend as head closes. Springs contract to open head.
- A timer control (optional on some presses) which automatically opens press head at a set time. Timer can be turned off for manual operation.
- A two hand, anti-tie down synchronous control which controls closing of press head.
- A filter, regulator, lubricator and lockout downstream air relieving shut-off and lockout valve at air inlet.

Optional Equipment

Optional equipment available for press includes:

- Manual water spray for hookup of city water
- Manual water spray with copper water reservoir

Operation

Operating Controls

	WARNING
<p>To avoid possible serious injury, BEFORE operating press, ALL personnel MUST be trained on safe operation.</p>	
W338	

	WARNING
<p>To avoid possible serious injury, ALWAYS read and become familiar with operating instructions before operating press.</p>	
W339	

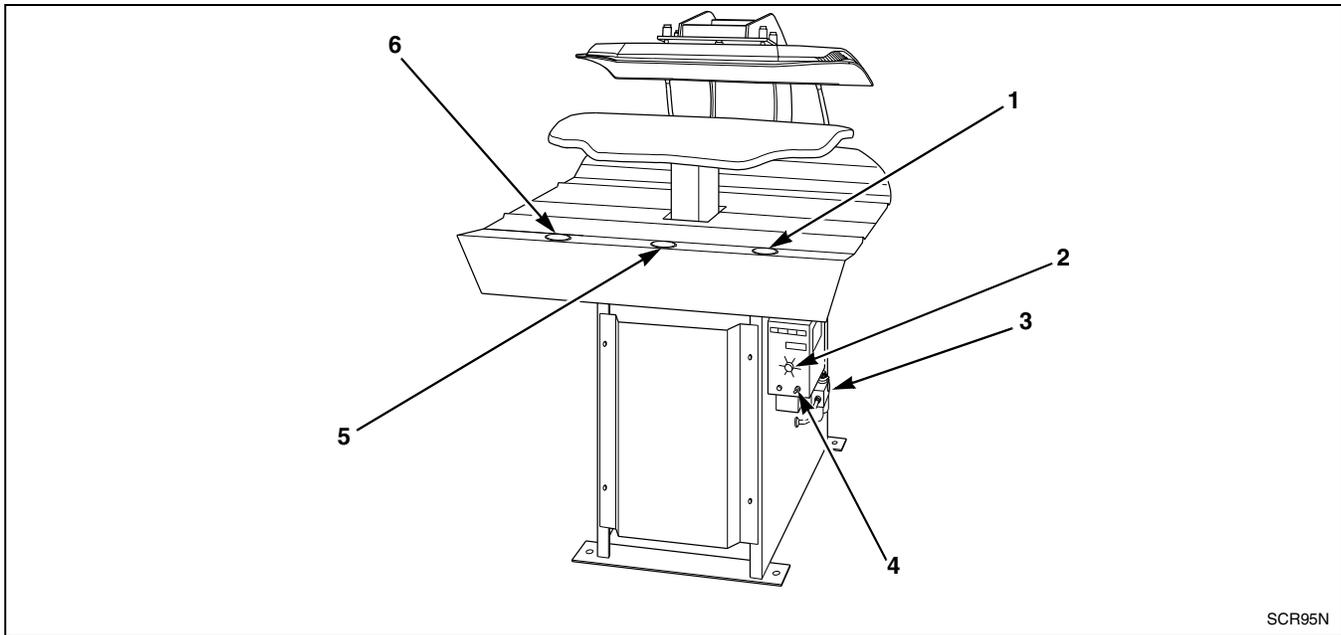


Figure 2

Control	Function	Description
1. Right CLOSE pushbutton	When pressed simultaneously with <i>left</i> CLOSE pushbutton (Item 6), closes press head. Must be held until head is fully closed.	Press to actuate.
2. Pressing TIME selector knob	Determines amount of time head remains closed when <i>timer switch</i> (Item 4) is ON.	Set to desired time.
3. Air Inlet Assembly including regulator, gauge, lubricator and downstream air relieving shut-off and lockout valve	REGULATOR: Reduces supply air pressure to operating air pressure (80 psi).	Adjust air pressure regulator so operating air pressure is 80 ± 5 psi.
	DOWNSTREAM AIR RELIEVING SHUT-OFF AND LOCKOUT VALVE: Turns air supply to press on and off. Exhausts air from press when in the off position. Capable of being locked in off position.	Turn knob to on position to supply air to press. Turn knob to off position to shut off air supply to press and simultaneously exhaust air from machine.
4. Timer ON/OFF switch	Turns timer ON or OFF.	Set to desired position.
5. OPEN pushbutton	Opens pressing head. Overrides both CLOSE pushbuttons and electric timer.	Press to actuate.
6. Left CLOSE pushbutton	When pressed simultaneously with <i>right</i> CLOSE pushbutton (Item 1), closes press head. Must be held until head is fully closed.	Press to actuate.
<p>NOTE: If EITHER CLOSE pushbutton is released BEFORE head is fully closed and pressing pressure is applied, head will return to a fully open position.</p>		

Table 1

Operation

NOTE: The following instructions will OPTIMIZE garment quality and prolong padding life.

Pre-Operating Services

Perform the following services daily before using press:

1. Check condition of buck padding. Padding should be replaced if:
 - Cover is scorched or torn.
 - Cover is hard, brittle or not springy.

	WARNING
<p>To avoid possible serious injury when cleaning or repairing traps or strainers:</p> <ul style="list-style-type: none">• Shut off AND lock out ALL steam service to press.• Let heated surface cool.	
<small>W340</small>	

2. Open air supply line and downstream relief shut-off valves. If press is equipped with a timer, close electrical disconnect switch or circuit breakers.
3. Simultaneously push and hold both CLOSE pushbuttons (Items 1 and 6, *Figure 2*) until head is closed against buck.
4. Release CLOSE pushbuttons. Head should remain closed.
5. Push OPEN pushbutton (Item 5, *Figure 2*). Head should open.
6. Simultaneously push both CLOSE pushbuttons. As head travels downward, release left pushbutton. Head should return open.
7. Simultaneously push both CLOSE pushbuttons. As head travels downward, release right pushbutton. Head should return open.
8. Simultaneously push both CLOSE pushbuttons. Have a second person press the OPEN pushbutton as you continue pressing the CLOSE pushbuttons. Head should open.

	WARNING
<p>To avoid possible serious injury:</p> <ul style="list-style-type: none">• Perform steps 3 through 8 daily before using press.• Do NOT use press if ANY step is not performing properly.	
<small>W341</small>	

9. If pushbuttons do NOT perform as described in steps 3 through 8, do NOT operate press. Call a qualified service technician.
10. Slowly open steam supply and return shut-off valves to prevent water hammer in steam pipes. Allow 15 to 20 minutes for press to heat.

Press Operation

One complete pressing operation is described in the following steps.

Presses WITHOUT Timers or Presses WITH Timer Set to OFF Position

1. Perform pre-operating services.
2. If press is equipped with a timer, place switch (Item 4, *Figure 2*) in OFF position.
3. Dress garment on buck.
4. Simultaneously push and hold both CLOSE pushbuttons (Items 1 and 6, *Figure 2*) until head closes and pressing pressure is applied. Release both pushbuttons.

NOTE: If either pushbutton is released BEFORE pressing pressure is applied, head will return to a fully OPEN position.

5. Once garment is sufficiently pressed, press OPEN pushbutton (Item 5, *Figure 2*) to open press.
6. Hang or fold pressed article as soon as possible to preserve finish.

Presses With Timers ONLY

1. Perform pre-operating services.
2. Place timer switch (Item 4, *Figure 2*) in the ON position.
3. Set time selector knob (Item 2, *Figure 2*) to desired time.

NOTE: Proper time required for pressing varies with garment material and moisture retention. Set timer so pressing pressure is applied long enough to set a press. Proper time is best determined by experience.

4. Dress garment on buck.
5. Simultaneously push and hold both CLOSE pushbuttons (Items 1 and 6, *Figure 2*) until head closes and pressing pressure is applied. Release both pushbuttons.

NOTE: If either pushbutton is released BEFORE pressing pressure is applied, head will return to a fully OPEN position.

Pressing pressure will be applied for period of time set. When timer times out, head will automatically open.

NOTE: Head can be opened at any time during timer controlled pressing by pressing OPEN pushbutton (Item 5, Figure 2).

6. Hang or fold pressed article as soon as possible to preserve finish.

Post-Operating Services

Perform the following services after final operation of day or anytime press is not going to be used for an extended period of time.

1. Close steam supply shut-off valve.
2. Close downstream relieving shut-off valve at air inlet.
3. Close steam return shut-off valve.
4. Clean press head if required. Refer to ***Maintenance*** section.

Maintenance

NOTE: SHUTDOWNS due to **unscheduled maintenance** can be **AVOIDED OR MINIMIZED** by:

- Performing periodic inspections as described, AND
- Performing lubrication services at the time intervals specified in these instructions.

Following are recommended precautions that personnel must understand and apply when performing general periodic maintenance tasks.

	WARNING
<p>To avoid possible serious injury:</p> <ul style="list-style-type: none">• ALWAYS shut off services to press BEFORE doing ANY maintenance, service, setup, adjustments or repair tasks.• Shut off AND lock out ALL electric power to press.• Shut off AND lock out ALL air service to press.• Shut off AND lock out ALL steam service to press.• Let heated surfaces cool.• BE SURE moving parts are at a standstill.• ALWAYS be careful to AVOID spring-loaded components when working inside press.• ALL maintenance, service, etc., MUST be performed ONLY by qualified service personnel.	
W345	

	WARNING
<p>To avoid possible serious injury:</p> <ul style="list-style-type: none">• ALWAYS close air supply line shut-off valve AND lock out air service BEFORE:<ul style="list-style-type: none">- opening filter drain cock- removing filter bowl- filling oil bowl	
W346	

Periodic Inspections

Frequency at which inspections should be performed, inspection procedures to be followed, and corrective actions to be taken are listed in *Table 2*.

Maintenance

Time Intervals	Operation or Inspection	Corrective Action
Daily or as required	Visually inspect sight glass in air line filter at inlet. (Refer to Item 4, <i>Figure 4</i> .)	If moisture and oil are collecting in bowl, auto-drain is not working. Clean, repair or replace auto-drain.
	Check buck padding.	Clean padding. Replace padding if it is torn or brittle or has burn spots.
	Visually inspect press head for discoloration or stickiness.	Clean press head with a head surface cleaner as needed.
Weekly	Inspect air line filter for sediment.	Clean air filter if dirt is present.
	Inspect all safety labels. Refer to Parts Manual for location and description of labels.	Replace labels which are damaged, missing or unreadable.
Every two weeks	Inspect steam strainers in steam inlet and outlet lines and in traps.	Clean steam strainer if dirt is present.
Monthly	Inspect customer-furnished steam traps per instructions provided with traps.	Clean customer-furnished steam traps if dirt is present.
	Check all steam and air connections for visual signs of leakage.	Tighten any loose connections. Replace lines where necessary.
	Check condition of the flexible steam hoses.	Replace steam hoses with broken braids.
Every six months	Remove all covers and check cap screws, fittings and cylinders for security of attachment.	Tighten as required.

Table 2

Cleaning Press Head

Cleaning press head is periodically required. Press head requires cleaning if discoloration transfers from head to garments or garments stick to head as it opens.

	WARNING
<p>To avoid possible serious injury, heads should be cleaned ONLY by properly trained personnel.</p>	
<small>W342</small>	

	WARNING
<p>To avoid possible serious injury, ALWAYS shut off services to press BEFORE cleaning press heads:</p> <ul style="list-style-type: none"> • Shut off AND lock out ALL electric power to press. • Shut off AND lock out ALL air pressure to press using relieving shut-off valve at air supply inlet. • Reduce to zero AND lock out ALL steam pressure to press. • Let heated surfaces cool. 	
<small>W343</small>	

	WARNING
<p>If using a surface cleaner which requires heat to the press, use industry approved heat protective mitt or other heat protective device as press heads are cooling down.</p>	
<small>W344</small>	

Once precautions in above WARNINGS have been met, follow directions provided with surface cleaner.

Cleaning Air Filter

Air filter removes foreign matter and condensate from supply air as it passes through filter. Frequency at which the filter baffle plate and filter element should be cleaned depends upon amount of condensate and foreign matter in supply air. Condensate level should not rise above baffle. This is the sign of a faulty auto-drain which would need to be cleaned, replaced or repaired.

Erratic regulator operation or loss of regulation is almost always due to dirt.

The following steps outline the procedure for cleaning air filter.

1. Close and lock air supply line shut-off valve.
2. Remove filter bowl. Use a strap wrench if required. Disassemble regulator, making notes as a guide for reassembly.
3. Clean parts with household soap (Dawn™, Ivory™, etc.) and blow out body with compressed air.

NOTE: DO NOT use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, or toluene, which are damaging to plastic sight glass.

4. Reassemble per notes from step 2. Ensure o-ring is in position on filter bowl. Tighten bowl to filter body. Tighten slightly more than hand tight.
5. Open air service shut-off valve.
6. Check for leaks and adjust as necessary.

Cleaning Steam Strainer

Strainer removes foreign matter from steam. Frequency at which strainer must be cleaned is dependent upon amount of foreign matter suspended in steam. Removing and checking strainer screen for cleanliness after two weeks or after 80 hours of operation is recommended. If little or no foreign matter has collected on screen, time between inspections can be increased accordingly.

Cleaning Customer-Furnished Steam Traps

Some steam traps are provided with internal steam strainers. These strainers should be cleaned. Refer to *Cleaning Steam Strainer*.

All repairable traps should be opened at least once a year to visually check operating mechanisms.

Remove sediment and dirt from trap body. Mechanism may require cleaning by immersing in appropriate cleaning fluid.

NOTE: Check instructions provided with trap or with trap manufacturer for appropriate cleaning fluids.

Maintenance

Lubrication

Lubrication points are illustrated in *Figure 3*. Lubrication points, time intervals, types and services are listed in *Table 3*.

If complete details for lubrication services are not listed in *Table 3*, get detailed instructions from referenced paragraph.

	WARNING
To avoid possible serious injury, ALWAYS close air supply line shut-off valve AND lock out air service BEFORE performing lubrication services.	
W347	

Lubrication Point	Time Interval	Type of Lubricant	Lubrication Service
NOTE: FAILURE to use correct lubricants can result in DAMAGE to machine mechanical components as well as air system cylinders and valves.			
(A) Pressure arm shaft bearing and cylinder head bearing	Every three months	Use a premium high temperature EP2 grease.	Lubricate with one shot of grease from a low pressure grease gun. If rod end fittings do not have grease fittings, squirt a few drops of oil on rod ends.
(B) Pivot pins, rod ends and cylinder shaft	Every three months	ISO VG 32 grade oil.	Squirt a few drops of oil around circumference of each shaft.
(C) Air line lubricator	As required	ISO VG 32 grade oil.	Fill bowl to 3/4 full when level drops below 1/4 full. Refer to <i>Adjusting Air Line Lubricator Flow Rate</i> .
(D) Air cylinder	Every month	ISO VG 32 grade oil.	Remove air line at bottom of cylinder. Prime oil can and give one complete squeeze into air line.
NOTE: Buna-N seals are used extensively throughout the valves and cylinders in the air circuit downstream from the inline oiler. Oils containing graphite fillers, detergent, etc., and fire resistant and synthetic oils are NOT COMPATIBLE with Buna-N seals. Seal swelling and valve malfunctioning will result with use of IMPROPER OILS.			

Table 3

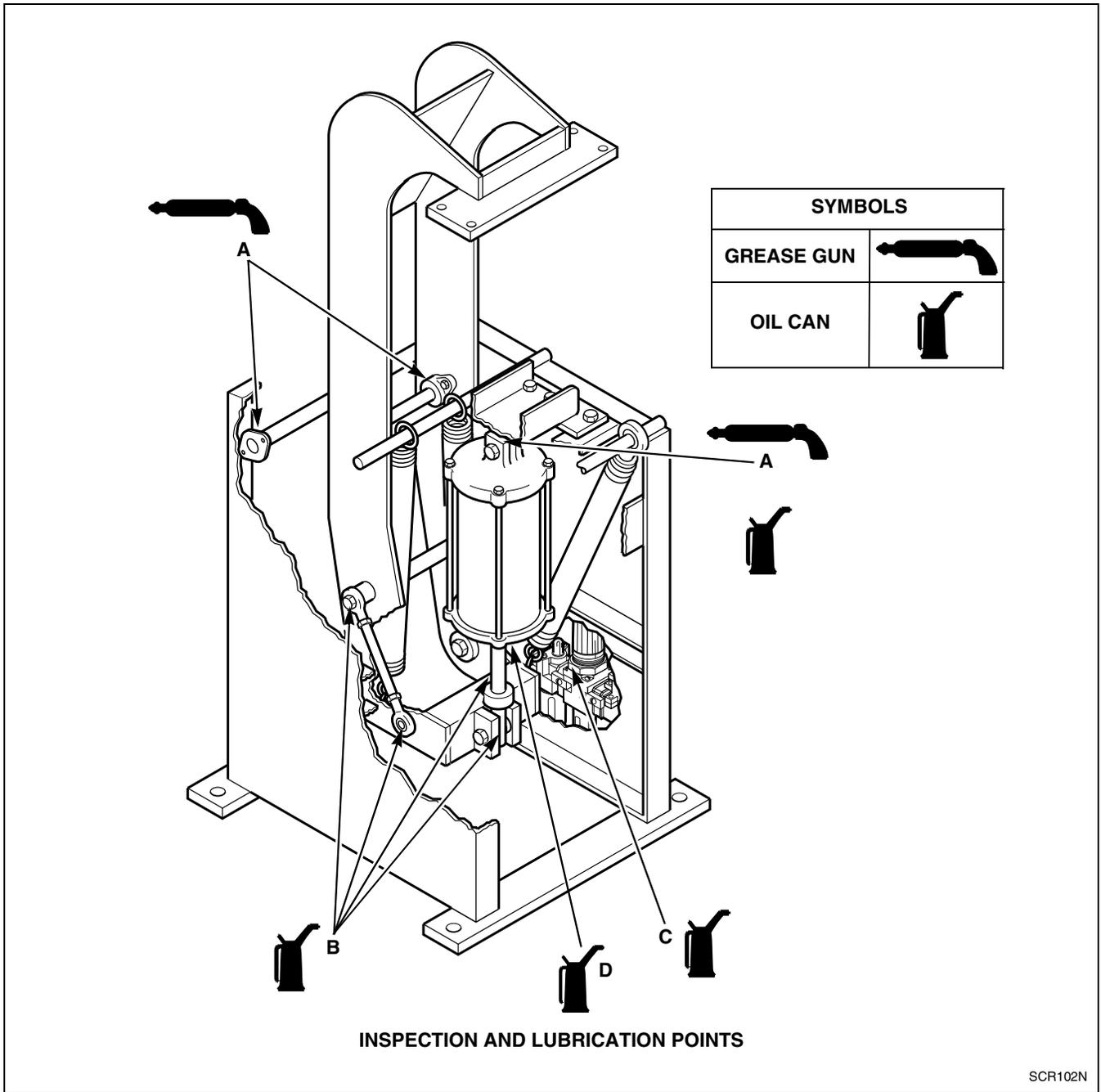


Figure 3

Maintenance

Adjusting Air Line Lubricator Flow Rate

Air system oil lubricator should be adjusted so approximately one drop of oil every 20 machine cycles is metered into air system. The following steps outline the procedure for adjusting air system oil lubricator:

IMPORTANT: To avoid o-ring leaks at top of the bowl, do NOT remove bowl. Fill through plug.

1. To initially adjust flow rate, turn on air, cycle press and set screw to obtain desired flow rate. After system reaches normal operating temperature, check drip rate again and adjust as required.
2. To decrease flow rate, turn adjusting screw clockwise. Likewise, turn counterclockwise to increase oil flow.
3. Use ISO VG 32 grade oil (refer to *Table 3*). Refer to *Filling Air Line Lubricator* for filling instructions.

Filling Air Line Lubricator

When oil level falls below 1/4 full, refill bowl to 3/4 full (oil level approximately 1/2 inch [12.7 mm] from top) with ISO VG 32 grade oil. Refer to *Table 3*.

NOTE: Do NOT overfill bowl. Damage to filter, regulator, valves and cylinders WILL result and void warranty.

	WARNING
To avoid possible serious injury, ALWAYS close air supply line shut-off valve AND lock out air service BEFORE filling oil bowl.	
W348	

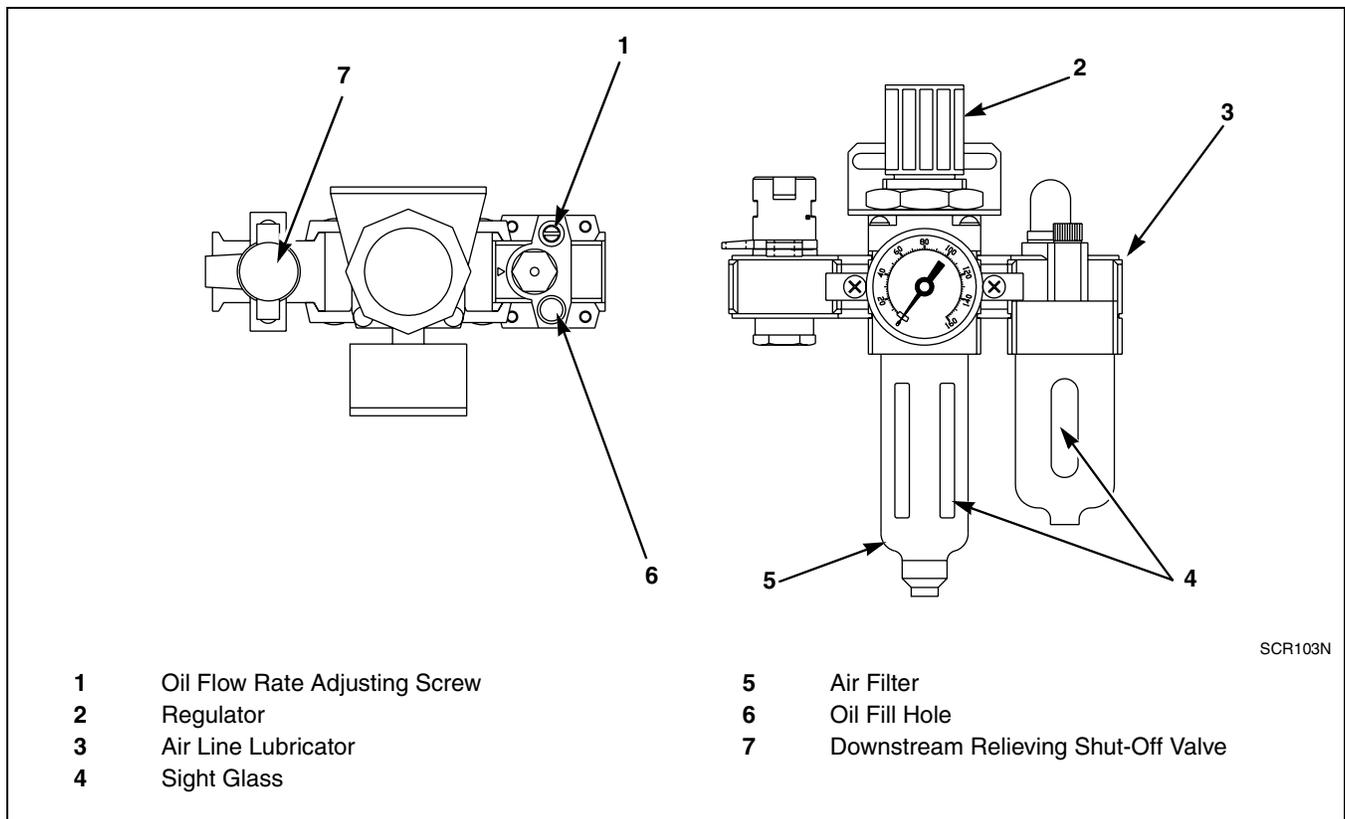


Figure 4

Quality Troubleshooting

Problem	Cause	Solution
“Crow’s feet” and wrinkles close to buttons, seams or folds	Old or hard padding	Check by placing a piece of cotton flannel on buck and pressing garment again. If quality improves, replace padding.
	Clogged air filter causing low air pressure	Clean air filter.
	Low incoming air pressure	Check the air pressure gauge at air inlet. It should be a constant 80 psi. Turn regulator knob to adjust if required.
	Low pressing pressure due to blow by in pressing pressure air cylinder	When press head is closed and pressing pressure is applied, check oil holes of pressing pressure air cylinder with a soap and water solution for leaks. Air leaking out oil holes would indicate blow by. Replace cylinder cup and seals.
Damp patches on padding	Low head or buck temperature	Check head surface temperature with a pyrometer or comparable measuring device. Head temperature should be 325° to 340°F. If temperature is below recommended range, review possible causes below.
	Clogged steam strainer*	Clean steam strainer.
	Low steam pressure	Check pressure at steam connection. It should be a constant 100 psi minimum (115 psi is recommended). Make corrective action to steam system as required.
	Faulty steam trap or check valve*	Check steam traps and check valves in steam outlet line for proper operation. Clean or replace traps as necessary.
Brown stain on finished garment	Accumulation of burnt starch or dirt on padding	Replace padding.
	Chemical residue in garment from washer	Test pH of final rinse water from washer. It should be 7.
Rough finish on garment	Garment pressed while too dry	Before pressing, garments should be extracted or conditioned to approximately 40% – 50% moisture retention. Garments should be stored in plastic until time for pressing.
“Leave off” marks occur where a portion of the garment protrudes from the buck	Improper head pressure and/or alignment	Adjust head pressure and alignment.

* Customer-furnished

Table 4

