



Liftomatic Material Handling, Inc.

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OPERATING & MAINTENANCE INSTRUCTIONS FOR THE LIFTOMATIC MODEL FTA DRUM HANDLING ATTACHMENT

Operating Instructions

To operate the Liftomatic FTA unit, simply slide the forks of the lift-truck into the fork pockets of the FTA attachment. (If the operator is using carriage mounted units, remove the forks of the lift-truck, and slide the CM-FTA units into place on the carriage). For all fork-mounted units, the safety chain should be attached to the lift-truck prior to using the attachment(s). If units are equipped with Liftomatic's exclusive Quick-Claw® safety restraint system, slide your forks into the fork pockets and pick the unit off the ground to secure the attachment to the lift-truck.

To operate the FTA, raise the unit slightly off the floor (one or two inches). Center the black (or gold zinc coated) clamping heads on the drums to be picked up, tilt the carriage of the lift-truck slightly forward (approximately two to three degrees), and gently make contact between the clamping heads and the drums. While maintaining contact on the drums with the attachment, raise the carriage of the lift-truck straight up (**DO NOT TILT THE FORKS/CARRIAGE BACK**).

As the drums are lifted off the ground (or pallet), the operator (from his/her seat on the lift-truck) should verify that all clamping heads have securely engaged each drum (both clamping heads should be parallel with the tops of the drums). If one or both heads are sitting at a severe angle, the drums should be set back down, repositioned, and picked up again. This will provide the operator with a positive, secure clamp on each drum. The drums can then be tilted back for transport.

In order to release the drums, the operator should bring the attachment(s) back to parallel with the ground, and simply reverse the procedures stated above. Note that Liftomatic units are not designed to handle empty or partial drums. Weight (the drum & product) is required to have the "Parrot-Beak®" clamping system handle drums properly.



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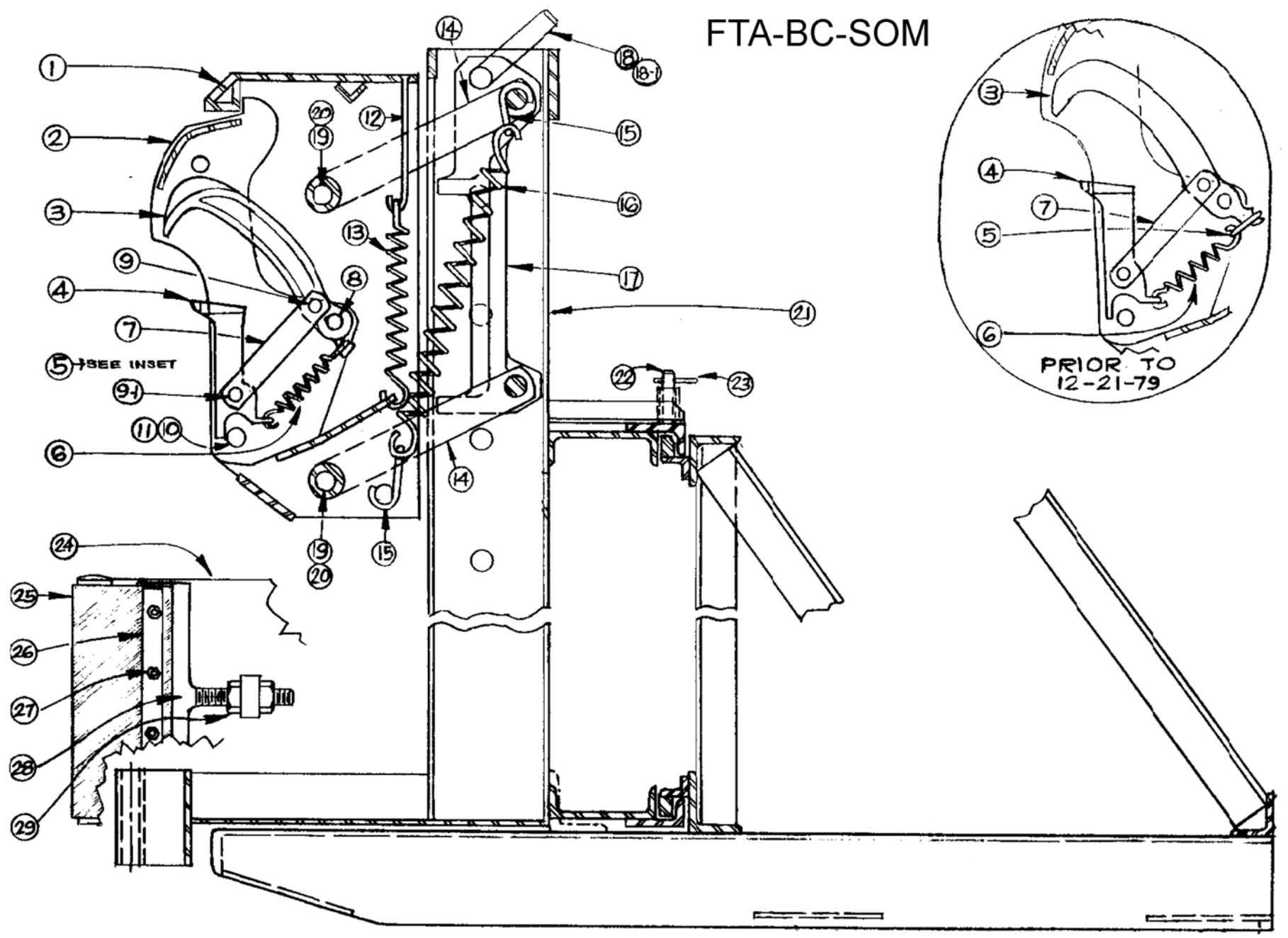
Maintenance Instructions

1. On a **daily** basis, each operator should check the Liftomatic FTA attachment to verify all fasteners (cotter pins, snap rings, hair pin clips, etc.) are in place. Also, a spot-check to be sure the unit does not have any missing or broken parts (pins, springs, fasteners, etc.) should be performed. This can be accomplished by spending a minute or two to rotate each head in all directions, as well as depressing the lower jaws to be sure that all parts move properly and spring back into resting position without difficulty.
2. Liftomatic attachments are completely mechanical, and require **LUBRICATION ON A WEEKLY BASIS**. Standard WD-40 or a "light grade oil" are recommended. Spray down the entire head assembly, **specifically the jaws, links, and connecting pins inside the inner housings (part number #2097)**. Clevises and connecting components (universal body, etc.) should also be lubricated.

To ensure that inner components do not collect large amounts of dirt, dust, or chemical particles, the clamping heads should be removed at least once a month (more often in heavy dust/dirt environments), and soaked/scrubbed in a non-acidic based cleaning solution. After cleaning, the unit should be thoroughly lubricated per above directions.
3. All FTA's (which come standard with belt cradles) should be inspected to ensure the belt (pad) is in place and properly tightened. Please note that belts loosen during daily use and **should be checked prior to each shift**. If belts are torn/tearing, they should be replaced immediately. A broken or badly torn belt provides little or no support to the drum sidewall.
4. On a **monthly** rotating basis, Liftomatic drum handling attachments should be taken out of service for thorough analysis. This will entail removing the clamping head (Part Number 4036 on enclosed parts list) from the frame, and completely disassembling the head. Each part should be inspected for cracks, breaks, elongating holes (in the links, clevises, etc.), pin and spring wear, as well as missing parts. This process should be performed for each of the clamping heads in use. Any "questionable" parts (as it relates to their integrity) should be replaced as soon as possible. Liftomatic does also offer PM programs for clients that wish to have their drum handling equipment maintained and kept up per factory specification (by the factory). This PM program "Service-Plus™" is available to all customers in the US.

Liftomatic drum handling attachments do require periodic preventative maintenance. The above schedule should be followed as indicated for the equipment to perform at its fullest potential. A preventative maintenance program will allow your Liftomatic drum handling attachment(s) to lead a long and productive life, ensuring high levels of safety and productivity in all of your daily drum handling routines. Please consult your nearest Liftomatic office or representative to enroll in our "Service-Plus™" preventative maintenance program today. We look forward to assisting you further.

FTA-BC-SOM





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DISASSEMBLY PROCEDURE -- LIFTOMATIC MODEL FTA-BC

I. To remove the clamping mechanism assembly (Part Number 4035, Figures 1-13) from the #2094 Belt Cradle Frame (Figure 24) and clevis arrangement:

- A. Unfasten the cotter pins (p/n 6006-cp) from pin #16007-1 (Figure 19), and slide out the pins (upper and lower). Use a hammer and 1/4" rod to punch the pins out as they are under load from the springs.
- B. Unfasten the outer housing assembly (p/n 2021) from p/n 6998 hook (figure number 15), and set aside for inspection.

II. To remove the universal linkage (slides, clevises, hooks, and 6023 springs) from the belt cradle frame (Figure 24):

- A. Unfasten the hairpin clip (Figure 18-1) from the adjustment handle pin (Figure 18).
- B. Pull or drive the pin (Figure 18) out of the frame. This will free all linkages and they can be slid out of the frame.

III. To disassemble the inner housing (Part Number 2097, Figure 2):

- A. Unhook spring #6022 (Figure #13) from hook (Figure 27, p/n 6999).
 - B. Detach cotter pins (p/n 6006-cp) from one end of part number 16008-1 pin.
- Now you can drive out the remaining pins, jaws, and links inside the inner housing (p/n 2097).

VI. To remove the belt cradle frame (Part Number 4019, Figure 35) from the fork adapter slide-on-mounting (on adjustable models only):

- A. Pull up and hold the roll pin (or circular ring on newer models) (figure 22), then slide the belt cradle frame to either side of the slide-on-mounting until removed.

To assemble the above components/assemblies, utilize the reverse procedure.

**If additional assistance is needed, please contact Liftomatic Material Handling, Inc.
PH: 800-837-6540 or FAX: 847-325-2959. Thank you.**



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POINTERS FOR PROPER MAINTENANCE AND OPERATION OF LIFTOMATIC “Parrot-Beak®” ATTACHMENTS

Similar to any mechanical piece of equipment, Liftomatic drum handling attachments will require periodic maintenance. The following “pointers” should be followed on a regular basis (as indicated) for the equipment to perform at its fullest potential.

** On a daily basis, each operator should check his/her drum handling device to be sure all fasteners (cotter pins, snap rings, hair pin clips, etc.) are in place. Also, a spot check should be done to ensure the unit is not missing any parts (springs, pins, etc.), as well as verifying that no components have broken. This can be accomplished by spending a minute or two to rotate each head in all directions, as well as depressing the jaws to be sure that all move properly and spring back into resting position without difficulty or obstruction.

** All model FTA units (which do come standard with belt cradles) should be inspected to ensure the belt cushion is in place and properly tightened. Please note that belts will loosen during daily use and should be checked prior to each daily shift.

** Liftomatic attachments are completely mechanical, and require LUBRICATION ON A WEEKLY BASIS. Standard WD-40 or any light grade oil is recommended. Simply spray down the entire head assembly, specifically the jaws, links, and connecting pins within the inner housing clamping systems.

** To ensure that inner components do not collect large amounts of dirt, dust, chemical particles, etc., the clamping heads should be removed at least once a quarter (more often in heavy dust/dirt environments), and soaked/scrubbed in a non-acidic based cleaning solution. After cleaning, the unit should be thoroughly lubricated.

** On a quarterly rotating basis, Liftomatic drum handling attachments should be taken out of service and thoroughly inspected for part wear/breakage. This will entail removing the clamping head from the frame, and complete disassembly of the head. Each individual part should be inspected for welding cracks or breaks, missing or broken parts, elongating holes (in the links, inner housings, clevises, etc.), as well as pin and spring wear. Feel free to contact Liftomatic for direct assistance.

Should these items be followed on a regular basis, your Liftomatic drum handling attachments should lead a long and productive lifetime. Please consult your nearest Liftomatic office and representative for further assistance (**PH: 800.837.6540 or email: Edberg@liftomatic.com**). Thank you very much for your continued patronage.

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PREVENTATIVE MAINTENANCE PROGRAM BULLETPOINTS FOR LIFTOMATIC “**PARROT-BEAK®**” DRUM HANDLING EQUIPMENT

“SERVICE-PLUS™”

Liftomatic would like to take a moment and outline our cost saving preventative maintenance program for you. This program “*Service-Plus™*” has been established to maintain the safety, longevity, and productive characteristics of our “**Parrot-Beak®**” drum handling products while directly reducing your overhead expenditures. Establishing a continuous program with Liftomatic is simple--just give us a call! We will outline the number of products in use, determine the highest usage areas within your plant, and tailor a plan specific to your needs on an annual or semi-annual basis.

Liftomatic’s “*Service-Plus™*” PM Program will Include:

- Designating which units and plant areas offer the highest use and drum handling volume.
- Providing (if needed) one complimentary loaner “**Parrot-Beak®**” attachment for the client. This eliminates equipment down time during the repair process (a \$100 per week “rental” fee applies, and the customer is responsible for shipping).
- Upgrading each unit to 2007 quality standards including padded belt cradles, heavy-duty belts, and “**Weather-Beak™**” (*heavy duty coated*) components where possible.
- Repainting framework for high visibility and protection from chemical corrosion. Unit “numbering” also available if desired (see below).
- Establishing new I.D. tags (or a numbering system) for simple product identification in the field.
- A detailed breakdown and analysis of the entire “Parrot-Beak®” clamping system, belts, frames, etc. This information is put in writing and sent to your company’s designated employee for review.
- Suggestions will be made to repair or replace parts/assemblies where needed.
- Equipment trade-in allowances also available in the majority of cases.

Additional information will be exchanged between your company and Liftomatic before, during, and after the PM program. Many of the important “highlights” are simply outlined above.

Liftomatic looks forward to working with you and increasing your levels of safety and productivity. Feel free to contact us at (PH): **800-837-6540** or info@liftomatic.com.

CHOOSE LIFTOMATIC...”TOUGH JOBS DEMAND TOUGH EQUIPMENT!”