

**RESERVOIR UNIT PARTS** (continued)

Key No.	Part Number	Qty Used	Part Name or Description of Item
<b>Following Parts are Common to all Reservoir Units</b>			
06	NUT-062	1	NUT, Jam: 3/4-16 UNF
07	RGO-060	1	RING, Seal: "O" type
08	OUT-010	1	OUTLET, Drain: reservoir
09	FIT-058	1	FITTING, Plug: 3/8" pipe
10	NUT-161	1	NUT, Special: jam
11	RGO-056	1	RING, Seal: "O" type
12	OUT-040	1	OUTLET, Fluid: reservoir
13	FIT-057	2	FITTING, Elbow: barbed
14	FIL-018	1	FILTER, Fluid:
15	NUT-058	2	NUT, Hexagon: 3/8-24 UNF
16	RGO-030	2	RING, Seal: "O" type
17	INL-026	1	INLET, Sight: top
18	RGO-013	2	RING, Seal: "O" type
19	OUT-009	1	OUTLET, Sight: bottom
20	RGO-034	1	RING, Seal: "O" type
21	PLG-026	1	PLUG, Sight: bottom
22	BRK-072	4	BRACKET, Threaded:
23	RGO-017	4	RING, Seal: "O" type
24	WAS-003	6	WASHER, Flat: 1/4"
25	NUT-051	4	NUT, Hexagon: 1/4-28 UNF
26	NUT-104	4	NUT, Hexagon: self lock
27	BRK-039	1	BRACKET, Mounting: air inlet
28	ADP-073	1	ADAPTER, Fitting: air inlet
29	NUT-063	1	NUT, Special: jam
30	SCR-075	2	SCREW, Cap: 1/4-20

Key No.	Part Number	Qty Used	Part Name or Description of Item
31	FIT-112	1	FITTING, Elbow
32	FIT-036	1	FITTING, Nipple
33	REG013	1	REGULATOR, Air
34	GAU-001	1	GAUGE, Air
35	FIT-111	2	FITTING, Adapter: 1/4" NPTx3/8" Push In
36	BLK-005	A/R	TUBING, Plastic: 3/8" O.D.
37	FIT-108	2	FITTING, Adapter: 1/4 NPT" X 1/2" OD Tube
38	BLK-002	A/R	TUBING, Bulk: 1/2" O.D.
39	WAS-001	6	WASHER, Lock
40	SCR-105	2	SCREW, Cap: 10-24
41	SCR-108	4	SCREW, Cap: 10-24
42	VAL-009	1	AIR, Mechanical
43	FIT-107	2	FITTING, Adaptor:1/8" NPTx3/8 Push In
44	VAL-008	1	VALVE, Solenoid
45	ZCN-013	1	CONNECTOR VALVE, 3 Prong
46	SCR-107	2	SCREW, Button Hd #8
47	WAS-024	2	WASHER, Lock
48	FIT-103	2	FITTING, Connector: 1/8" NPT X 1/4" Tube
49	BLK-001	A/R	TUBING, Bulk: 1/4" O.D.
50	TUB-017	1	TUBING, Plastic: 1/2" I.D.
51	FIT-086	1	FITTING, Barb
52	FIT-109	1	FITTING, Elbow: 1/8" (M)(F)
"C"	FC-7310	1	Transfer Pump: see NOTE below

**NOTE:**  
See the supplemental **INSTRUCTION BOOKLET** supplied for the "FC-7310" Pump (key # "C" above). It provides detailed information on the pump's usage, and includes an exploded view and parts listing.

**TROUBLESHOOTING INSTRUCTIONS**

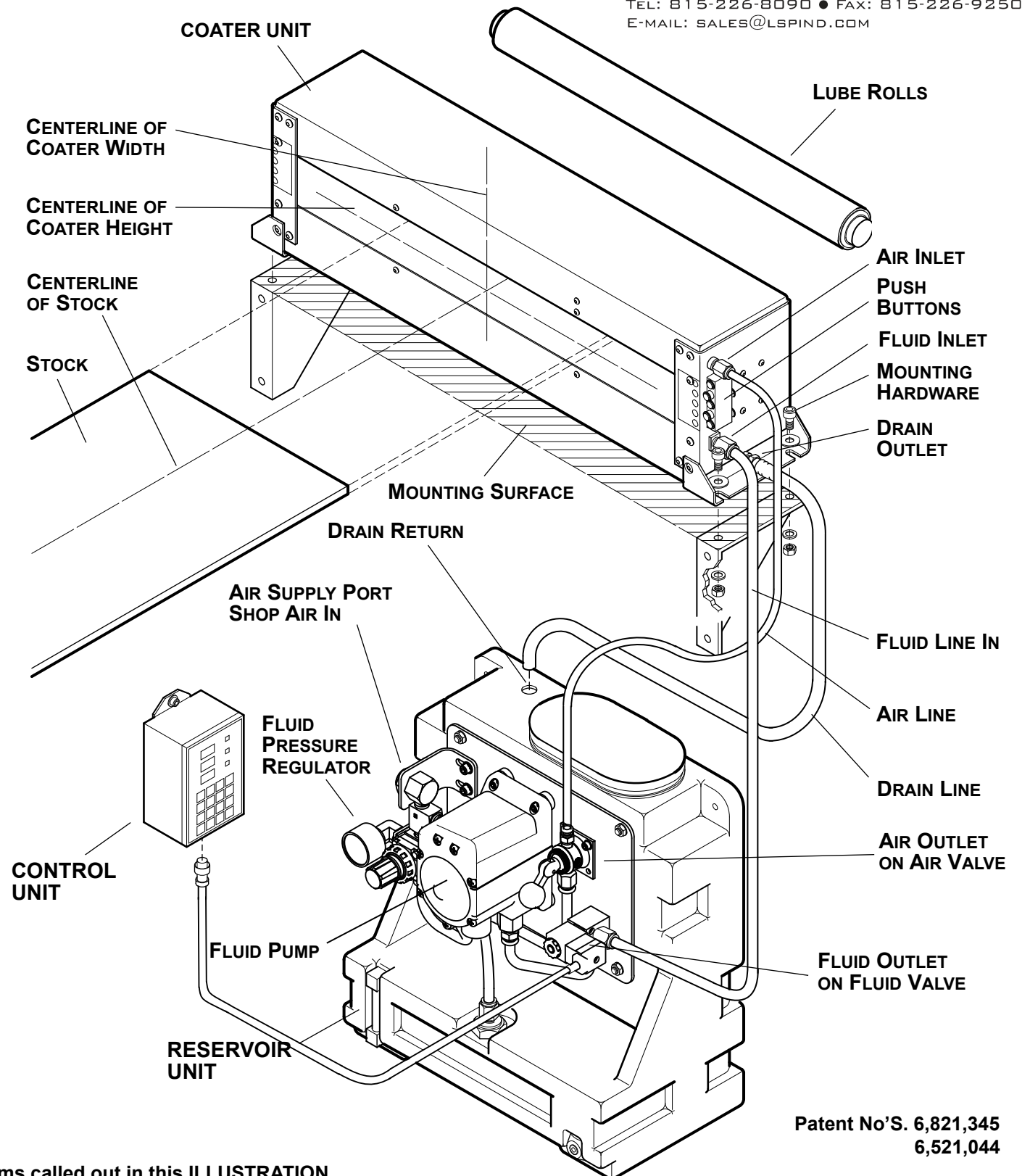
PROBLEMS	SOLUTIONS
I. No lubricant to any of the rolls.	A. Check the controller. 1. Hold hand on solenoid to feel actuation when controller receives a signal. If solenoid does not receive a signal. a. Solenoid may be bad b. Proximity switch may be misaligned or broken. c. Controller may be broken and not receiving or sending a signal. B. Check the diaphragm pump. 1. Air pressure may have been lost. 2. Diaphragm pump may be hung up.
II. The coil stock is coming out or the FloaterCoater with dry stripes .	A. One of the manifolds is plugged. 1. Remove the tube from the manifold. 2. Remove the fitting from the manifold. 3. Blow air in the reverse direction that the lubricant flows. 4. Check and make sure that the hole is free and reassemble the lines.
III. Lubricant continues to flow in between cycles & in the rest mode.	A. Check the solenoid to see if it has to be replaced. B. Check the controller to see if it is broken and in the open position.
IV. Lubricant has become gummy in the FloaterCoater.	A. Remove rolls, clean and purge the FloaterCoater with water or solvent. B. Clean the rolls and reassemble the FloaterCoater. <i>This is caused when changing from oils or water solubles to synthetics. To avoid this problem, purge the system prior to filling with lubricants that are incompatible.</i>
V. Not enough lubricant being dispersed onto the coil stock.	A. Is the controller set to stay open long enough to get a complete coating on each cycle of the feeder. B. Smooth rolls give the finest coating, A course roll will leave a much heavier coating.
VI. Too much lubricant being dispersed on the coil stock.	A. If large quantities of lubricant is being returned to reservoir, the open time on the controls is ope for too long a time. B. Try a smooth roll to reduce the amount of lubricant transferred to the coil stock.

**INSTALLATION, OPERATION, and TROUBLESHOOTING**

with **REPLACEMENT PARTS LISTING** for  
**FloaterCoater Model Nos. FC-1130, -1136 & -1148**  
**Reservoir Model Nos. FC-7314, -7318, & -7320**



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Items called out in this **ILLUSTRATION** are identified in the **INSTRUCTIONS** by **ALL CAPITAL LETTERS**

Patent No'S. 6,821,345  
6,521,044

## INSTALLATION INSTRUCTIONS

### A. Locating the COATER UNIT

The **COATER UNIT** should be located so the **STOCK** to be coated will pass through the centers (both width and height) of its opening. The **COATER UNIT** must be oriented so the **STOCK** enters its front side (that side labeled with instructions and logo).

Good results may be had with the **STOCK** somewhat off-center in this opening. However, the closer the centering, the better will be the performance. Very narrow and thick stock will require closer centering in the width of the **COATER** for an even coating. The **LUBE ROLLS** float up/down, so the **STOCK** may be off-center in the height of the opening to a limited degree.

To have a **MOUNTING SURFACE** on which the **COATER** can be placed at the proper height usually requires some fabrication. This **SURFACE**, and any bracketing used, must give solid support. The **SURFACE** need not be one continuous flat, but may be two separate pads. This **SURFACE (SURFACES)** should be in one plane, and be as parallel to the **STOCK** to be lubricated as practical.

### B. Mounting the COATER UNIT

The **COATER UNIT** is mounted by having its feet bolted to the **MOUNTING SURFACE**. Use 3/8" bolts with heavy flat washers to do this. If the **SURFACE** is 3/8" or more thick, you may drill and tap for 3/8" thread and bolt into it. If this **SURFACE** is less than 3/8", drill 13/32" holes through it and use a lockwasher and nut on the underside.

### C. Locating the RESERVOIR UNIT

The **RESERVOIR UNIT** may be set in place on its feet, or mounted on a wall using the holes provided. When deciding on a location for this **UNIT**, consider the following:

1. The lubricant tank will require filling. Make sure its location will allow this to be done without hindrance and encumbrance.
2. **AIR/FLUID/DRAIN LINES** will need to be routed to the **COATER UNIT** and attached (see para. D below). Make sure these lines are long enough to reach from this **UNIT** to the **COATER**. Longer **LINES** are available from L.S.P. if needed.
3. An **AIR SUPPLY** will need to be connected to the **RESERVOIR UNIT** (see para. E. below). Make sure the location of this **UNIT** allows this done without difficulty.
4. Make sure the routing of any of the **LINES** above will not cross passage ways, will not ensnare, and will not interfere with operations.

**NOTE:** The **RESERVOIR UNITS** are available in various capacities. Make sure you can identify the **UNIT** you are installing should you need to use the **REPLACEMENT PARTS** listing later.

### D. Attaching the Air/Fluid/Drain Lines

An **AIR LINE**, **FLUID LINE**, AND **DRAIN LINE** will need to be routed between the **RESERVOIR** and **COATER UNITS**, and have their respective connections made. If these **LINES** are too long, they may be cut to appropriate lengths; however, always leave enough slack to prevent sharp bends that might cause the **LINES** to kink. Using the front illustration as example, make the following connections:

1. Connect the 1/4" O.D. **AIR LINE** at the **AIR INLET** on the **COATER UNIT**, and at the **AIR OUTLET** on the **RESERVOIR UNIT**.
2. Connect the 1/4" O.D. **FLUID LINE** at the **FLUID INLET** on the **COATER UNIT**, and at the **FLUID OUTLET** on the **RESERVOIR UNIT**.
3. Connect one end of the 5/8" O.D. **DRAIN LINE** to the **DRAIN OUTLET** on the **COATER UNIT**, and insert the other end into the **DRAIN RETURN** hole in the top of the **RESERVOIR UNIT**.

**NOTE:** Use a thread sealant on all the pipe connections to insure against air and fluid leakage.

### E. Attaching the Air Supply

Connect an **AIR SUPPLY** of at least 70 PSI at the **AIR SUPPLY PORT** on the **RESERVOIR UNIT**. It is advised that you make this connection with a quick-disconnect fitting to allow shutting down the **UNIT** should an **AIR OR FLUID LINE** to the **COATER** become loose or severed. For the best performance, it is also advised that this **AIR SUPPLY** be filtered, regulated, and lubricated.

### F. Installing the LUBE ROLLS

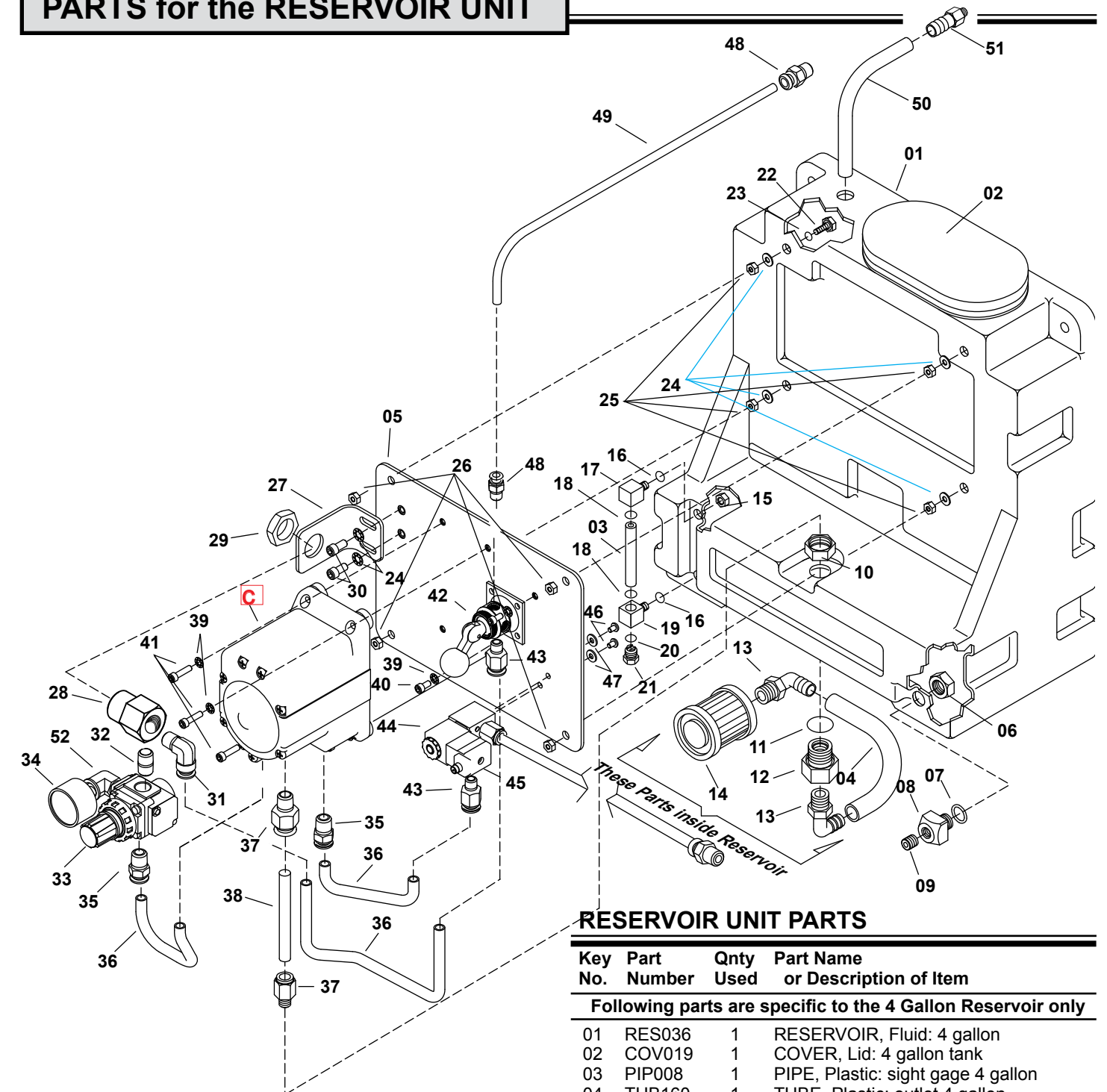
The **LUBE ROLLS** are shipped separately to prevent damage to their support bearings. There is no distinction between the two **ROLLS** (they are identical). Install the **ROLLS** as described below and shown in Figure #1.

1. Open the **ROLL CARRIAGES** using the **AIR VALVE** found on the **RESERVOIR UNIT** for this purpose.
  2. Install the lower **LUBE ROLL** by simply setting it in its place. Make sure it is centered and resting level on its support bearings.
  3. **WARNING** - Before installing the upper **LUBE ROLL SET SCREWS, (28) AND JAM NUT, (27) MUST BE REMOVED** to allow **ROLL** to be installed. These **Jam Nuts** and **Set Screws** hold the **SPRING LOADED RETAINERS** in place.
  4. Install the upper **LUBE ROLL** by forcing it upwards past its spring loaded retainers until it snaps into place. Before applying force, make sure the **ROLL** is centered and is in contact with its support bearings at both ends.
  5. Insert **SET SCREWS, (28)**, at both ends until they gently touch the **SPRING LOADED RETAINERS**.
  6. Apply the **JAM NUTS, (27)**, to the **SET SCREW, (28)**, and lock in place.
4. Close **ROLL CARRIAGES** using the **AIR VALVE**.

### G. Installing the CONTROL UNIT

Various methods may be used to control the dispensing of the lubricant applied. If using an **L.S.P. CONTROLLER**, see the **INSTRUCTIONS** supplied with it for installation. If using the P.L.C. (Programmable Logic Control) on your machine, see para. E. under **OPERATING INSTRUCTIONS** for directions.

## PARTS for the RESERVOIR UNIT



### RESERVOIR UNIT PARTS

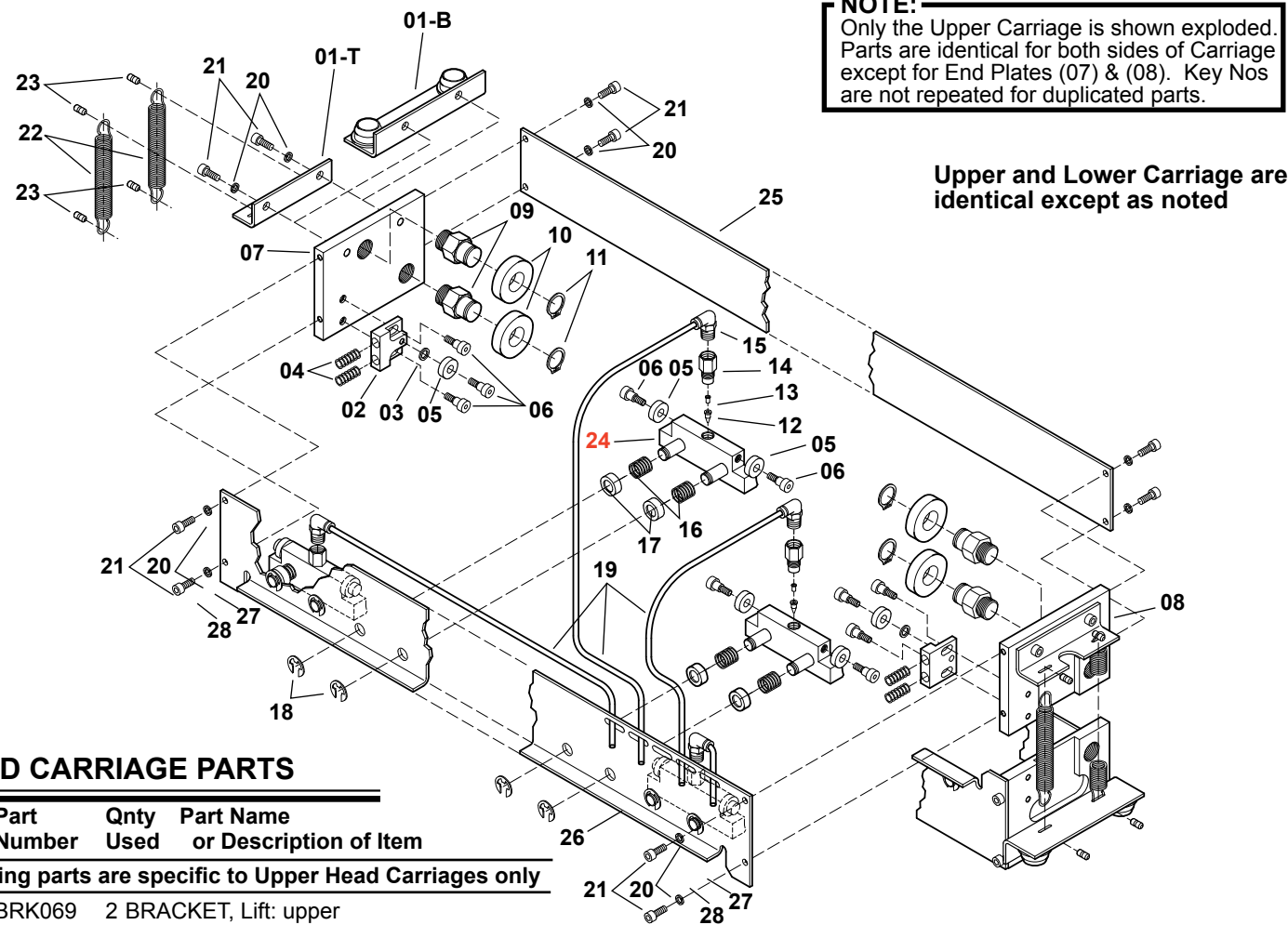
Key Part No.	Part Number	Qty Used	Part Name or Description of Item
<b>Following parts are specific to the 4 Gallon Reservoir only</b>			
01	RES036	1	RESERVOIR, Fluid: 4 gallon
02	COV019	1	COVER, Lid: 4 gallon tank
03	PIP008	1	PIPE, Plastic: sight gage 4 gallon
04	TUB160	1	TUBE, Plastic: outlet 4 gallon
05	PLT098	1	PLATE, Mounting: pump
<b>Following parts are specific to the 8 Gallon Reservoir only</b>			
01	RES037	1	RESERVIOR, Fluid: 8 gallon
02	COV020	1	COVER, Lid: 8 gallon tank
03	PIP009	1	PIPE, Plastic: sight gage 8 gallon
04	TUB162	1	TUBE, Plastic: outlet 8 gallon
05	PLT099	1	PLATE, Mounting: pump
<b>Following parts are specific to the 15 Gallon Reservoir only</b>			
01	RES038	1	RESERVOIR, Fluid: 15 gallon
02	MLD002	1	COVER, Lid: 15 gallon tank
03	PIP010	1	PIPE, Plastic: sight gage 15 gallon
04	TUB156	1	TUBE, Plastic: outlet 15 gallon
05	PLT099	1	PLATE, Mounting: pump

See next page for remainder of this Parts Listing

### NOTE

See **Operating Instructions, Parts List & Trouble Shooting for LSP Transfer Pump in the FC-7310 Operating Instructions, Parts List & Trouble Shooting. See call-out C**

# PARTS for the HEAD CARRIAGE



**NOTE:**  
Only the Upper Carriage is shown exploded. Parts are identical for both sides of Carriage except for End Plates (07) & (08). Key Nos are not repeated for duplicated parts.

Upper and Lower Carriage are identical except as noted

Lower Carriage shown assembled and attached to Upper Carriage with the Extension Springs.

## HEAD CARRIAGE PARTS

Key Part Qnty Part Name  
No. Number Used or Description of Item

### Following parts are specific to Upper Head Carriages only

01-T	BRK069	2	BRACKET, Lift: upper
02	GID025	2	GUIDE, Retainer: tube
03	SPC023	2	SPACER, Bearing: tube retainer
04	SPG050	4	SPRING, Compression: tube retainer
05	BRG004	2	BEARING, Ball: retainer
06	SCR178	6	SCREW, Shoulder: 3/8" dia x 3/8" lg

### Following parts are specific to Lower Head Carriages only

01-B	BRK068	2	BRACKET, Lift: lower
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### Following parts are common to all the Head CarriageS

07	PLT089	2	PLATE, Head: left side
08	PLT090	2	PLATE, Head: right side
09	AXL002	8	AXIAL, Bearing: roll support
10	BRG003	8	BEARING, Ball: roll support
11	RGR028	8	RING, Retaining: std external
20	WAS021	24	WASHER, Lock: 1/4" int tooth
21	SCR096	24	SCREW, Cap: 1/4 UNF x 5/8" lg
22	SPG047	4	SPRING, Extension: head
23	PIN007	4	PIN, Retainer: spring
27	NUT-065	2	NUT: Jam, 8-36
28	SCR-111	2	SCREW: Set, cup point, 8-36

Qnty Used for the following is the number required for each OUTLET, Dispenser: (Key # 24) used in the given Coater.

05	BRG004	2	BEARING, Ball: dispenser
06	SCR178	2	SCREW, Shoulder: 3/8" dia x 3/8" lg
12	CHK016	1	CHECK, Fluid: dispenser
13	EYE006	1	EYELET, Insert: dispenser
14	INL045	1	INLET, Fluid: dispenser
15	FIT102	1	FITTING, Elbow: 5/32" tube x 1/8 NPT
16	SPG051	2	SPRING, Compression: dispenser
17	SPC024	2	SPACER, Spring: dispenser
18	RGR029	2	RING, Retaining: E type
19	BLK013	A/R	TUBING, Plastic: 5/32" O.D.

### Differences between Upper and lower Carriage

Upper Carriage uses Upper Bracket at (01), and uses Roll Retainer parts (02) thru (06)  
Lower Carriage uses Lower Bracket at (01), and has no Roll Retainer parts.

Key Part Qnty Part Name  
No. Number Used or Description of Item

### Following parts are specific to a 30" Head Carriage only

24	430OUT01	10	OUTLET, Dispenser: 30" head
25	PLT083	2	PLATE, Back: 30" head
26	PLT086	2	PLATE, Front: 30" head

### Following parts are specific to a 36" Head Carriage only

24	430OUT02	14	OUTLET, Dispenser: 36" head
25	PLT084	2	PLATE, Back: 36" head
26	PLT087	2	PLATE, Front: 36" head

### Following parts are specific to a 48" Head Carriage only

24	430OUT03	14	OUTLET, Dispenser: 48" head
25	PLT085	2	PLATE, Back: 48" head
26	PLT088	2	PLATE, Front: 48" head

# OPERATING INSTRUCTIONS

## A. Inserting the STOCK

At times, **STOCK** will have to be fed through the **COATER UNIT** and into the press. This is to be done as follows:

1. The **ROLL CARRIAGES** must be opened before feeding **STOCK** through the **UNIT** or there may be damage done to the **LUBE ROLLS**. This is done using the **AIR VALVE** on the **RESERVOIR UNIT**.
2. Once opened, feed the **STOCK** through the **UNIT**.
3. Close the **ROLL CARRIAGES** with the **AIR VALVE**.

## B. Priming the Fluid System

At startup (or if the fluid tank is left to run dry) the **FLUID LINE** will contain only air. Before beginning (continuing) operation, these **LINES** should be filled (refilled) with lubricant. This is done by having the **CONTROL UNIT** cycle until the system is filled and lubricant is being applied at the **LUBE ROLLS**.

## C. Selecting the Area to be Lubricated

If lubricant is only required on a portion of the **LUBE ROLL'S** width, that area not needing lubricant can be left dry. This is done by using the two sets of **PUSH BUTTONS** located at the sides of the **COATER UNIT**. One set controls application to the upper **LUBE ROLL**, the other controls application to the lower **LUBE ROLL**.

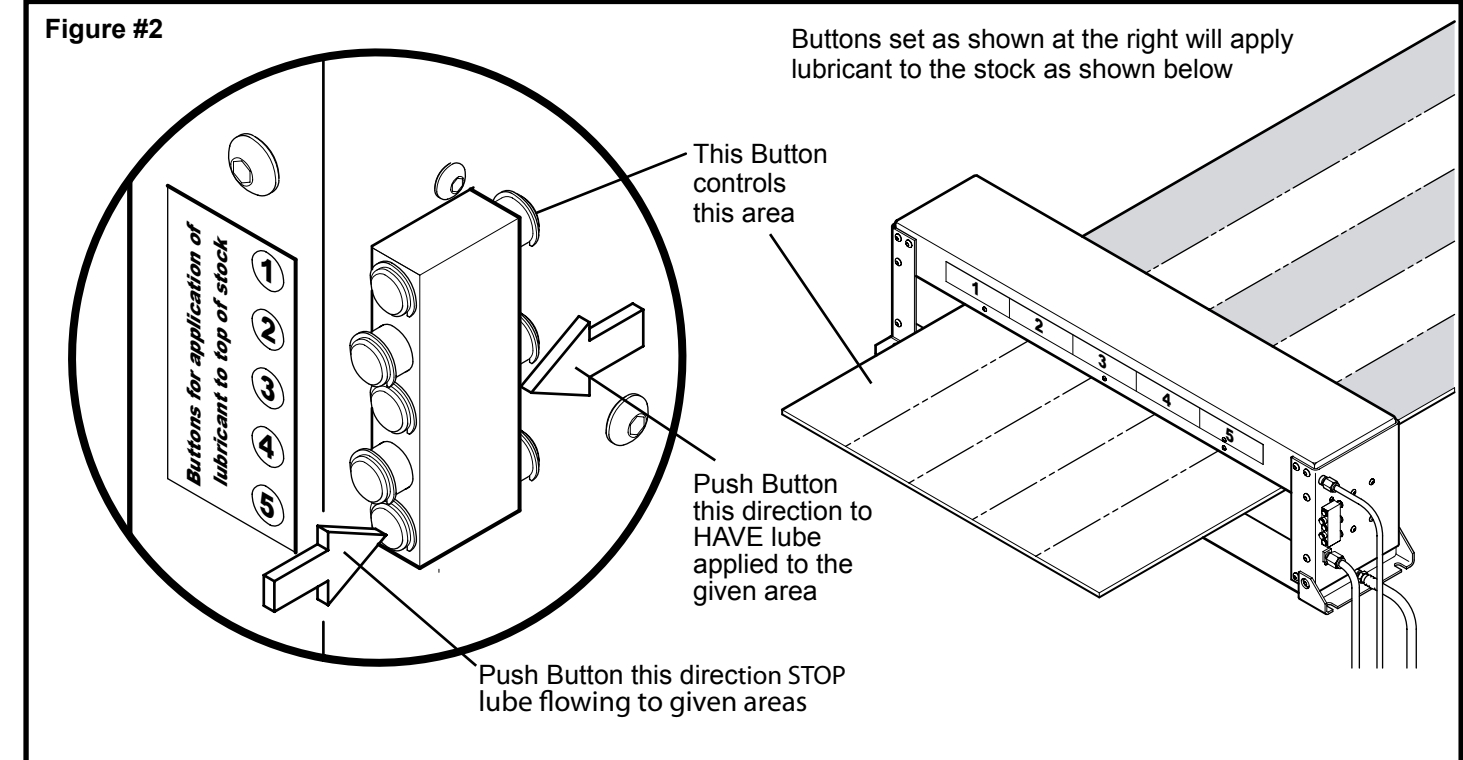
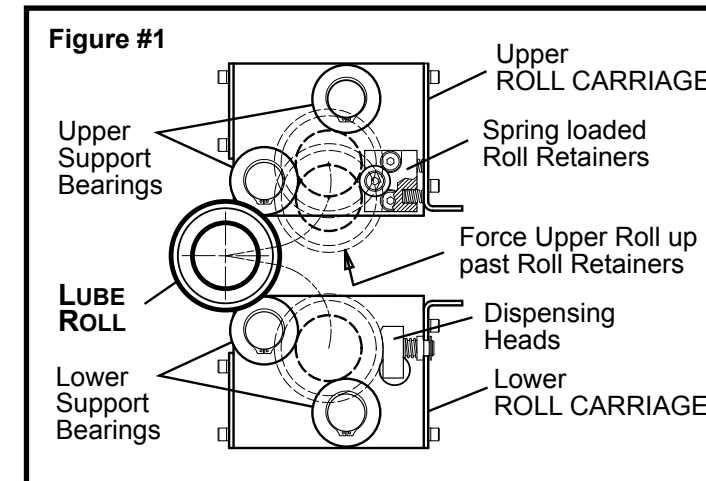
The **PUSH BUTTONS** are ends of valve spools. Pulling a **BUTTON** in from the front side of the **COATER** allows lubricant to go to its respective area on the **LUBE ROLL**. Pushing that **BUTTON** in from the back side stops lubricant flow to that area. See Figure #2 for illustration.

These **BUTTONS**, control the lube to respective areas on the **LUBE ROLL**. The labels on the **Valve Manifold** aid in making your selection.

## D. Removing the LUBE ROLLS

Use the following instructions and Fig. #1 for direction.

1. Open **ROLL CARRIAGE** using the 3-Way **AIR VALVE**.
2. Remove **STOCK** from **COATER UNIT**.
3. Lift out the lower **LUBE ROLL**. This **ROLL** is removed by simply lifting it out of its **ROLL CARRIAGE**.
4. **WARNING**, The top **ROLL** is held in place with **SPRING LOADED RETAINERS** plus a **SET SCREW (28)** and **JAM NUT (27)** at both ends. Loosen the **JAM NUTS** at both ends and completely remove the **SET SCREWS**, so that the **SPRING LOADED RETAINERS** are unlocked and unrestricted. Place a screw driver shank under the cover and on top of the roll at one end. Wedge the handle up so that the shank forces the roll down, dislodging it from its spring loaded retainers. If possible offer some support to the roll so that it does not fall down with force and damage the bottom bearings.
5. See para. F. under **INSTALLATION INSTRUCTIONS** for re-installing the **ROLLS**.



**E. Using the CONTROL UNIT**

The **CONTROL UNIT** governs dispensing the lubricant by controlling the **FLUID VALVE** on the **RESERVOIR UNIT**. The lubricant in the **RESERVOIR UNIT** is pressurized by the **FLUID PUMP** and is held in check by the **FLUID VALVE**. When activated (opened) by the **CONTROL UNIT**, the **FLUID VALVE** allows the lubricant to flow to the dispensing heads and wet the **LUBE ROLLS**. This is done as the **STOCK** is being fed out. As the feed-out drives the wetted **ROLLS**, the lubricant is deposited onto the **STOCK**.

Any device that can be programmed to provide the proper functions may be used as the **CONTROL UNIT**. It might be a **UNIT** supplied by **L.S.P.** or other source, or the controller (P.L.C.) on your machine if one is provided.

The basic functions to be programmed are a Trigger-Point and an On-Time. The Trigger-Point being set to begin the On-Time (usually at the beginning of stock feed-out). On-Time being set for that amount of time the **FLUID VALVE** is to be activated to dispense lubricant (usually for the duration of the feed-out).

To enhance performance or adapt to special situations, other functions may be desired of the **CONTROL UNIT**. **For example:** With very long feed-outs (or roll forming) applying the lubricant in a series of short pulses will allow more control of the application. With very short feed-outs applying a pulse of lubricant every third, fifth, or tenth stroke may be best. If you think your application might require some extended functions, call **L.S.P.** or our representative for advice.

**F. Using the FLUID PRESSURE REGULATOR**

The **FLUID PRESSURE REGULATOR** on the **RESERVOIR UNIT** sets the pressure at which the lube is supplied to the dispensing heads. Turning its knob counter-clockwise will reduce the amount of lubricant dispensed; clockwise will increase the amount. This control is usually adjusted during operation until the desired amount of lubricant coating is attained.

**HOW TO REPLACE THE FELT SLEEVES.**

The **FELT ROLLERS** consist of a metal tube with end caps and a **FELT SLEEVE**. The metal tube and end caps will need to be replaced very infrequently whereas the **FELT SLEEVE** will see a periodic replacement due to wear.

*Replacing the FELT SLEEVE is an easy item to replace.*

1. Remove the **FELT ROLLERS** from the **FloaterCoater** by lifting out the bottom one and prying the top one loose.
2. Cut the **FELT SLEEVE** from the **ROLLER**.
3. Slide new **FELT SLEEVE** over the **ROLLER**.

*The end caps protrude a little higher than the roll and may require a little extra effort to slide the Sleeve over the end cap piece.*

4. Soak in warm water until saturated then remove and allow to dry overnight.
5. Reassemble and **FLOATERCoater** is ready for use.

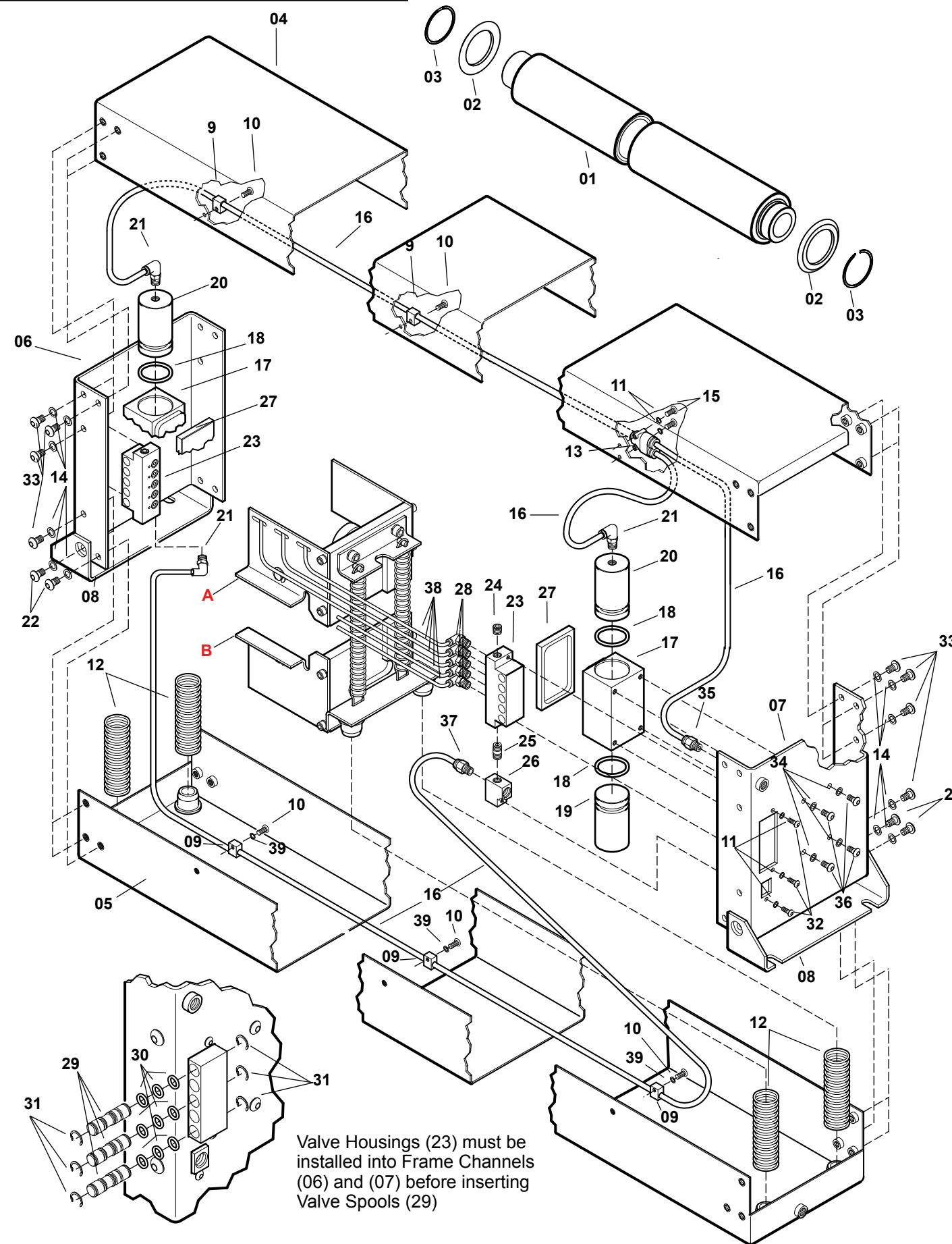
**WARNING**

Always disconnect the air supply whenever the FloaterCoater has to be disassembled.

**FloaterCoater PARTS LISTING**

Key Part #	Qty	Part Name
<b>Following parts are specific to the 30" Coater</b>		
01	2	<b>SELECT ROLLS FROM CATALOG</b>
04	1	COVER, Frame: 30"
05	1	BASE, Frame: 30"
06	1	BRACKET, Frame: left
07	1	BRACKET, Frame: right
09	4	BRACKET, Tube: mounting
10	4	SCREW, Button Hd: 8-32X1/4"
23	2	HOUSING, Valve: fluid, 3 port
28	10	FITTING, Elbow: 5/32" tube x 1/8 NPT
29	10	SPOOL, Valve: fluid
30	20	RING, Retaining: crescent type
31	30	RING, Seal: "O" type
39	2	WASHER, Flat: #8
<b>Following parts are specific to the 36" Coater</b>		
01	2	<b>SELECT ROLLS FROM CATALOG</b>
04	1	COVER, Frame: 36"
05	1	BASE, Frame: 36"
06	1	BRACKET, Frame: left
07	1	BRACKET, Frame: right
09	5	BRACKET, Tube: mounting
10	5	SCREW, Button Hd: 8-32X1/4"
23	2	HOUSING, Valve: fluid, 5 port
28	14	FITTING, Elbow: 5/32" tube x 1/8 NPT
29	14	SPOOL, Valve: fluid
30	28	RING, Retaining: crescent type
31	42	RING, Seal: "O" type
39	3	WASHER, Flat: #8
<b>Following parts are specific to the 48" Coater</b>		
01	2	<b>SELECT ROLLS FROM CATALOG</b>
04	1	COVER, Frame: 48"
05	1	BASE, Frame: 48"
06	1	BRACKET, Frame: left
07	1	BRACKET, Frame: right
09	5	BRACKET, Tube: mounting
10	5	SCREW, Button Hd: 8-32X1/4"
23	2	HOUSING, Valve: fluid, 5 port
28	14	FITTING, Elbow: 5/32" tube x 1/8 NPT
29	14	SPOOL, Valve: fluid
30	42	RING, Seal: "O" type
31	28	RING, Retaining
39	3	WASHER, Flat: #8
<b>Following parts are common to all three Coaters</b>		
02	4	WASHER, Retaining
03	4	RING, Retaining
08	2	BRACKET, Foot: left and right
11	7	WASHER, Flat: #10 internal tooth
12	4	SPRING, Compression
13	1	FITTING, Union: Y type
14	24	WASHER, Lock: 5/16 internal tooth
15	2	SCREW, Button Hd: 10-32X1/2"
16	A/R	TUBING, Plastic: 1/4" O.D.
17	2	CYLINDER, Air: lift
18	4	RING: Seal: "O" type
19	2	PISTON, Air: lower lift
20	2	PISTON, Air: upper lift
21	3	FITTING, Elbow: 1/4" tube x 1/8 NPT
22	8	SCREW, Button Hd: 5/16-24X1/2"
24	2	FITTING, Plug: 1/8 NPT
25	1	FITTING, Nipple: short 1/8 NPT
26	1	BULKHEAD, Block: fluid inlet
27	2	GUIDE, Head
32	5	SCREWS, Button Hd: 10-32X3/8"
33	16	SCREWS, Button Hd: 5/16-24X1/2"
34	8	WASHER, Lock: 1/4" internal tooth
35	1	FITTING, ASSEMBLY: air inlet
36	8	SCREW, Button Hd: 1/4-28X1/2"
37	1	FITTING, Adapter; 1/4 tubeX1/8 NPT
38	A/R	TUBING, Plastic: 5/32" O.D.

**PARTS for the COATER UNIT**



Valve Housings (23) must be installed into Frame Channels (06) and (07) before inserting Valve Spools (29)

**NOTE**  
See **PARTS for CARRIAGE HEADS** on page 6 for an illustration and parts list for items keyed "A" and "B"