

COMINGLE SPLIT BODY

AUTOMIZER

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9.0 COMINGLE SPLIT BODY

9.1 INTRODUCTION

This section will give information regarding the maintenance and parts of the Automizer Comingle Split Body only. You will find in this section maintenance procedures, hydraulic schematics specific to that type of unit, parts for dual tailgate configuration and mobile chutes. All of the previously mentioned components are installed only on comingle split bodies.



FIGURE #9.1

Note:


The information and specifications included in this section were up to date at the time of publication. Labrie reserves itself the right to change, discontinue parts or modify the design without prior notice or obligations. Contact Labrie for updates.

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9.2 HOW TO ORDER

When ordering Automizer parts, make sure to mention the type of vehicle, serial number and the part number and description. The serial number of the vehicle is located on the Labrie ID plates inside the cab.

U.S. ID plate

MANUFACTURED BY:		 175, ROUTE 68, POST ST-ROCH, Q.B. J0B 1T0 CANADA, J0B 1T0 (514) 837-4500 17500 LABRIE		DATE:
INCOMPLETE VEHICLE MANUFACTURED BY:		LABRIE #:		DATE:
GVWR:	GVWR:	GVWR:	GVWR:	GVWR:
FRONT 1	REAR 1	FRONT 2	REAR 2	FRONT 3
INTERM. 2	INTERM. 3	INTERM. 4	INTERM. 5	INTERM. 6
REAR 3	REAR 4	REAR 5	REAR 6	REAR 7
CONFORMANCE OF THE CHASSIS-CAB TO FEDERAL MOTOR VEHICLE SAFETY STANDARDS, WHICH HAVE BEEN PREVIOUSLY FULLY CERTIFIED BY THE INCOMPLETE VEHICLE MANUFACTURER OR BY THE INTERMEDIATE VEHICLE MANUFACTURER, HAS NOT BEEN AFFECTED BY FINAL STAGE MANUFACTURE. THE VEHICLE HAS BEEN COMPLETED IN ACCORDANCE WITH PRIOR MANUFACTURER'S INSTRUCTIONS, WHERE APPLICABLE. THIS VEHICLE CONFORMS TO ALL OTHER APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT IN _____ MONTH YEAR				
VIN:		TYPE:		

Canadian ID plate

LABRIE EQUIPMENT LTD.		 175, ROUTE 68, POST ST-ROCH, Q.B. J0B 1T0 CANADA, J0B 1T0 (514) 837-4500 EQUIPEMENT LABRIE LTD.		DATE:
TYPE:		GVWR/PNEV:		
GVWR/PNEV	GVWR/PNEV	GVWR/PNEV	GVWR/PNEV	GVWR/PNEV
1	2	3	4	5
6	7	8	9	10
VIN / NV:		LABRIE #:		
THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT AS OF THE DATE OF MANUFACTURE.		CE VÉHICULE EST CONFORME À TOUTES LES NOR- MES DE SÉCURITÉ FÉDÉRALES PRÉSCRITES QUI SONT EN VIGUEUR À LA DATE DE SA FABRICATION.		



24-HOUR SERVICE LABRIE HOT LINE

(Technical support, parts, service and warranty)

1-877-4LABRIE
1-877-452-2743

9.3 MOBILE CHUTE MAINTENANCE

A mobile chute located in the middle of the hopper (Figure #3.28) diverts garbage into either side of the hopper.

The chute is controlled by the operator from inside the cab, using push buttons located on top of the joystick (Figure #3.29).

The chute must be inspected on a daily basis and lubricated. Apply the following procedure:

Mobile chute in the hopper section



FIGURE #9.2



DANGER

SECURE THE AREA AROUND THE PATH OF THE ARM WHEN PERFORMING MAINTENANCE OR REPAIR.

CHUTE INSPECTION AND LUBRICATION

STEP ONE

- **Park the vehicle on a safe and level ground;**
- **Ensure that the parking brake is applied and the vehicle is tagged out for maintenance purposes (refer to the section 1.5 “Lockout/Tagout procedure”);**
- **Start the engine and engage the hydraulic pump (PTO ON);**
- **Then using the joystick (Figure #1.1), lower the automated arm to give a better access to the hopper area (Figure #1.2);**
- **Move the chute towards the left side of the hopper;**
- **Stop the engine and remove key from the ignition keyhole;**
- **Exit the cab and extend the ladder along the side of the hopper (Figure #3.28);**

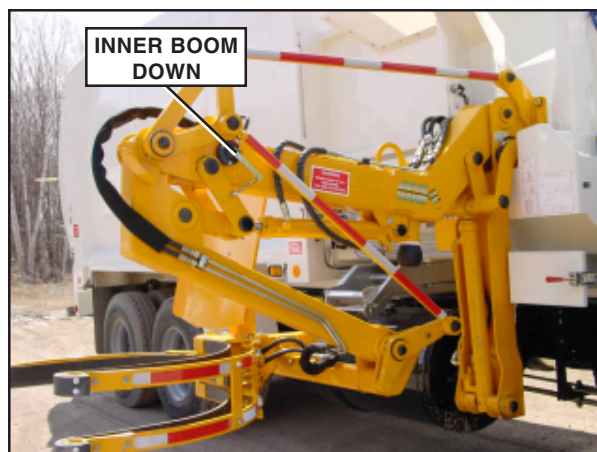


FIGURE #9.3

9.3 MOBILE CHUTE MAINTENANCE (cont'd)

CHUTE INSPECTION AND LUBRICATION

STEP TWO

- Using multipurpose grease, lubricate the chute pivot point (Figure#1.15);
- The cylinder that controls the chute also require daily lubrication (Figure #1.12).
- When finished lubricating the chute and the cylinder, exit the hopper to return to the cab;
- Move the chute towards the right side;
- Stop the engine;
- Inspect the rubber bumpers inside the hopper for damaged. Replace if necessary;
- When done with the inspection exit the hopper and retract the ladder.

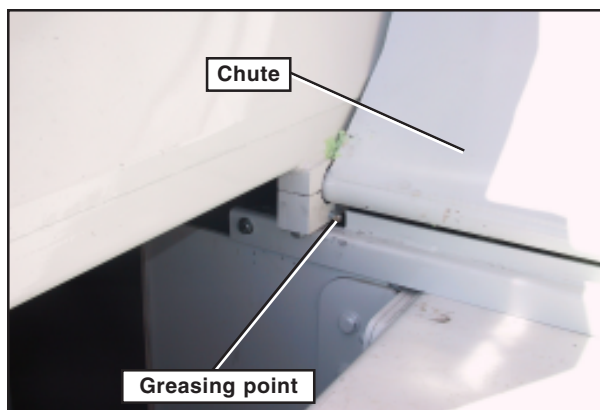


FIGURE #9.4

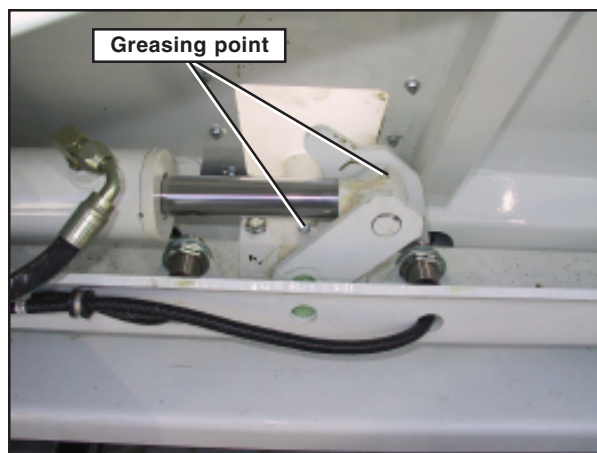


FIGURE #9.5

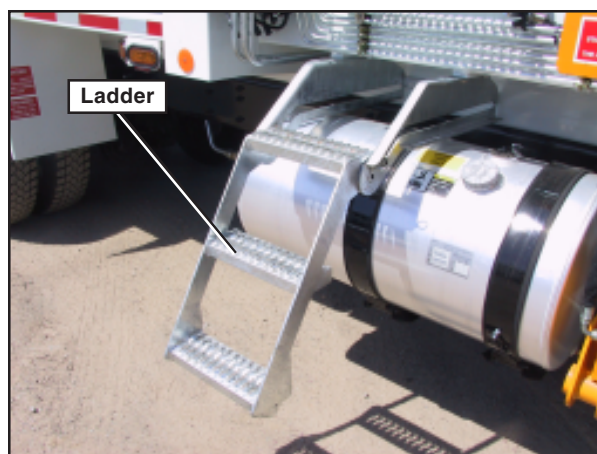


FIGURE #9.6

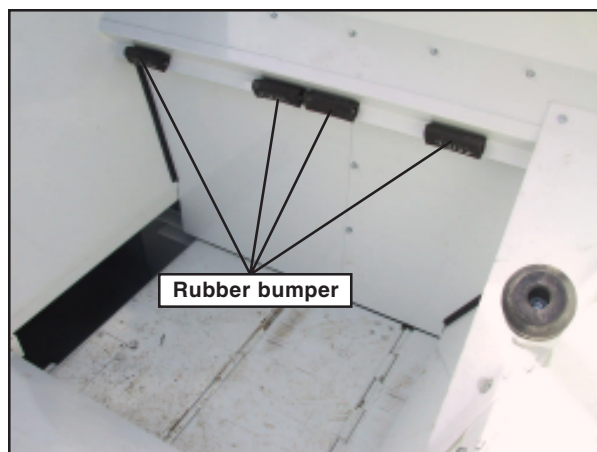


FIGURE #9.7

9.4 CHUTE ADJUSTMENT

When performing inspection inside the hopper, check if the chute rests on all rubber bumpers. The cylinder that controls the chute can be adjusted so that the chute rests properly on the rubber bumper. Apply the following procedure to adjust the chute.

CHUTE ADJUSTMENT PROCEDURE

STEP ONE

- Park the vehicle on a safe and level ground;
- Ensure that the parking brake is applied and the vehicle is tagged out for maintenance purposes (refer to the [section 1.5 “Lockout/Tagout procedure”](#));
- Start the engine and engage the hydraulic pump (PTO ON);
- Move the chute towards the left side of the hopper;
- Fully extend the packer;
- Stop the engine and remove key from the ignition keyhole;



FIGURE #9.8

CHUTE ADJUSTMENT PROCEDURE

STEP TWO

- Access the chute cylinder from behind the cab;
- Remove the chute pin;
- Loosen the cylinder lock nut;
- Turn the cylinder head clockwise or counterclockwise depending on the adjustment required. Turn only half a turn at a time.
- Re-install the pin and test the chute;
- When testing, the chute must not slam onto the rubber bumpers. Turn the cylinder head clockwise to reduce the length of the cylinder rod or clockwise to extend the rod.

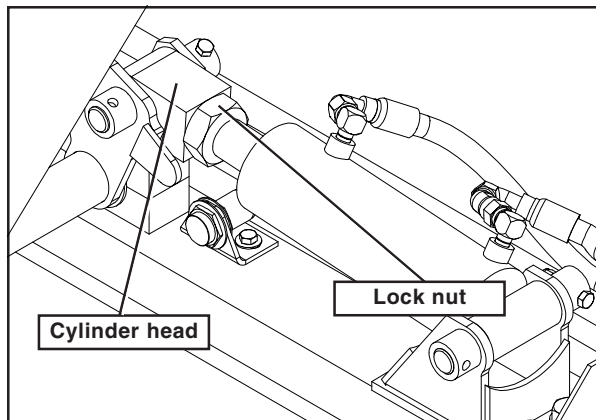


FIGURE #9.9



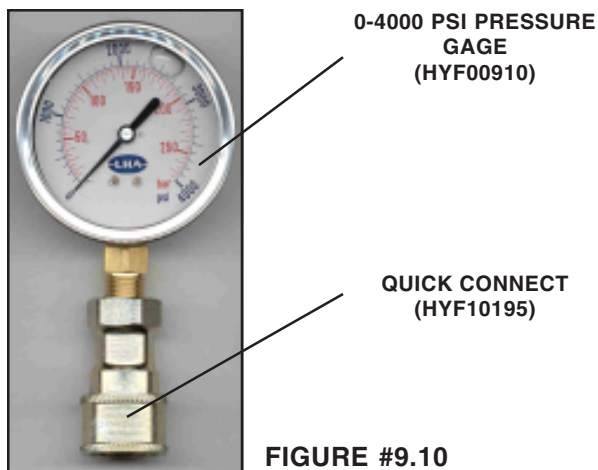
DANGER

**APPLY THE LOCKOUT / TAGOUT
PROCEDURE AT ALL TIMES WHEN
MAINTENANCE OR INSPECTION IS
CARRIED OUT ON THE VEHICLE.**

9.5 CHUTE PRESSURE ADJUSTMENT

The hydraulic pressure of the vehicle must be checked once a month and calibrated if needed. The working pressure of the chute is set at 1200 PSI. Before adjusting the pressure of the chute, make sure that the piston pump and the vane pump relief valve are properly adjusted. Refer to General Maintenance, [section 1.15](#) "Hydraulic pressure adjustment".

A 0-4000 pressure gage (Figure #13.15) as well as a set of ball-end Hex key (Figure #13.17) is required to perform this pressure adjustment procedure.



Ball-end Hex Key (Metric & SAE)



9.5 CHUTE PRESSURE ADJUSTMENT (Cont'd)

To calibrate the working pressure of the chute, apply the following procedure:

CHUTE PRESSURE ADJUSTMENT PROCEDURE

STEP ONE

- Park the vehicle on a safe and level ground;
- Ensure that the parking brake is applied and the vehicle is tagged out for maintenance purposes (refer to the [section 1.5](#) “Lockout/Tagout procedure”);
- Install the 0-4000 PSI pressure gage on the quick connect fitting located on the pressure port of the proportional valve (Figure #13.18);
- Start the engine and engage the hydraulic system (Pump switch “ON”);
- Lower the arm out of the hopper;

PROPORTIONAL VALVE (with optional chute)

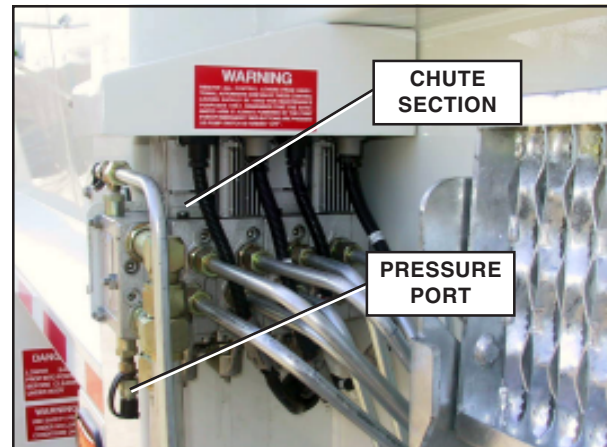


FIGURE #9.12

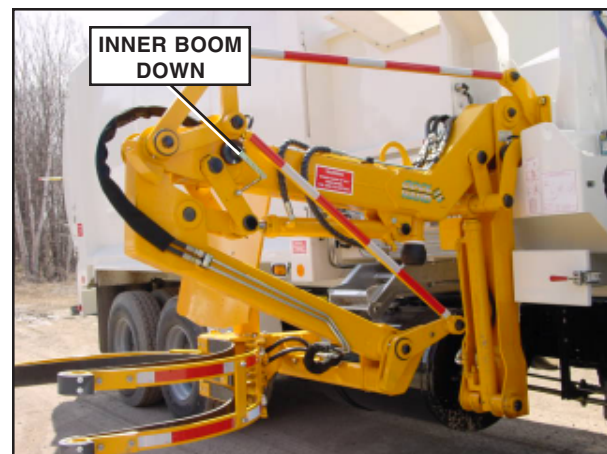


FIGURE #9.13



DANGER

APPLY THE LOCKOUT / TAGOUT PROCEDURE AT ALL TIMES WHEN MAINTENANCE OR INSPECTION IS CARRIED OUT ON THE VEHICLE.



DANGER

SECURE THE AREA AROUND THE PATH OF THE ARM WHEN PERFORMING MAINTENANCE OR REPAIR.

CHUTE PRESSURE ADJUSTMENT PROCEDURE

STEP TWO

- Activate the chute until the cylinder reaches the end of its stroke (chute towards the left or right);
- Make a reading of the maximum pressure at this point;
- Tighten (loosen) the work port relief valve screw using the proper hex key (Figure #13.19) to be able to adjust pressure of the chute to 1200 PSI;

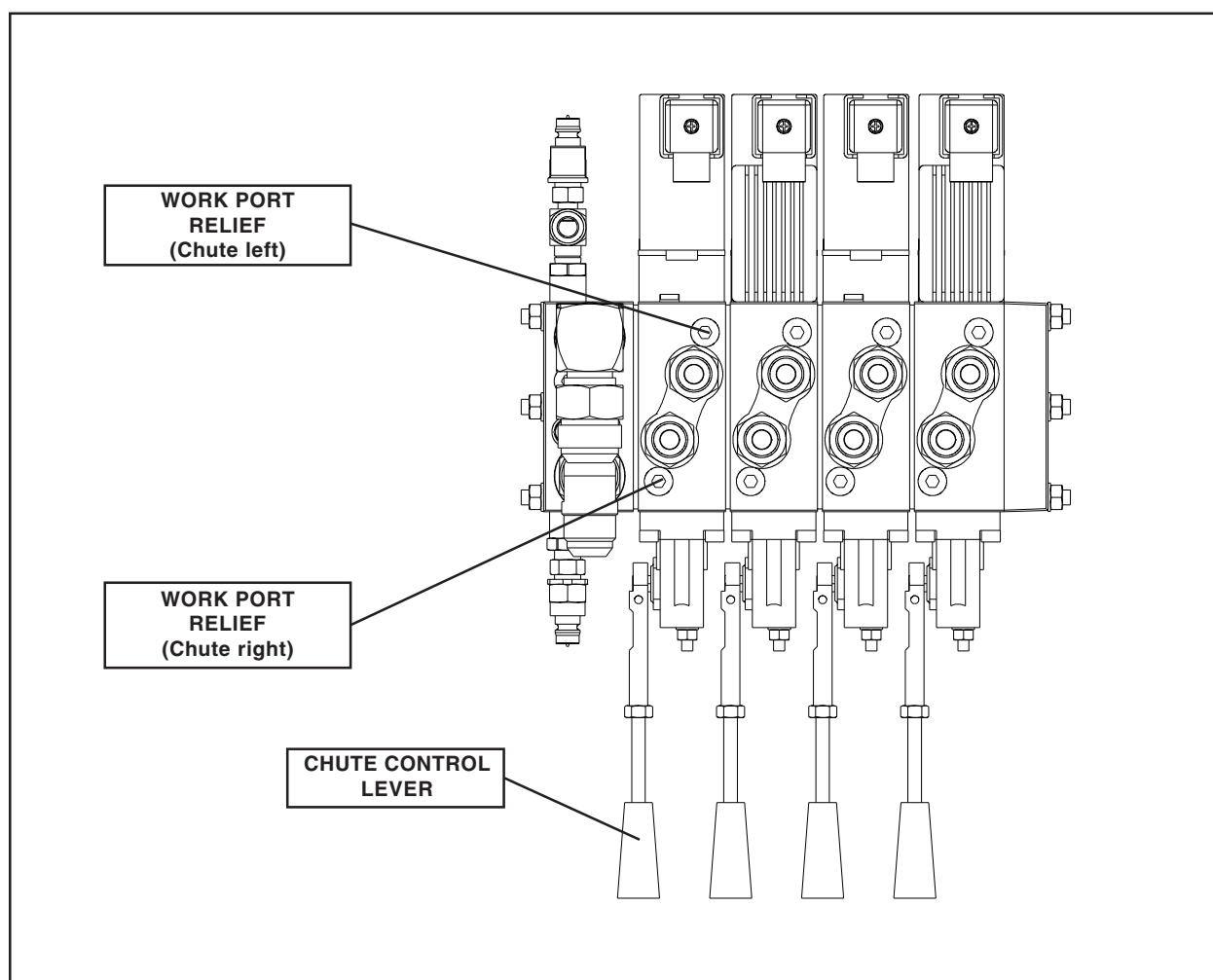


FIGURE #9.14

9.6 TAILGATE SAFETY PROPS

The comingle version of the Automizer is equipped with two tailgate which required dual safety props. Both safety props are used to support and keep each tailgate opened during inspection or when maintenance is carried out on the vehicle. It is mandatory to install both safety props each time tailgates are opened for such purpose.

Safety props can be easily installed when the tailgate are slightly opened. Apply the following procedure to install the safety props.

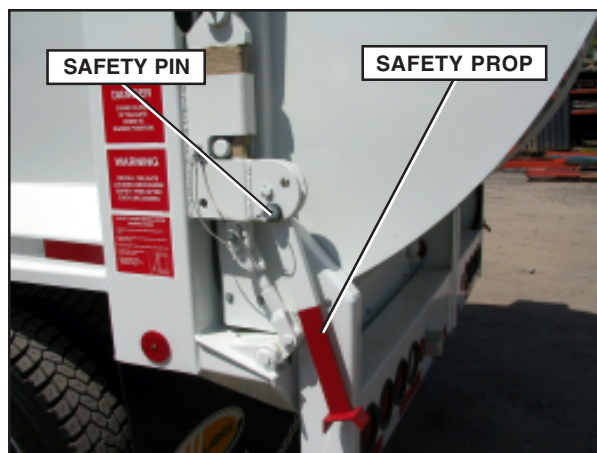


FIGURE #9.15

TAILGATE SAFETY PROP INSTALLATION PROCEDURE

- Make sure there is no garbage in side the body;
- Remove the tailgate safety pins(2);
- Start the engine;
- Turn the pump switch ON and open the left-hand side tailgate about 3 feet high;
- Remove the safety prop lock pin and raise the prop in a position where both locking holes are aligned together (Figure #1.6);
- Insert the lock pin to maintain the safety prop in place;
- Lower the tailgate so it rests on the safety prop.
- Repeat the procedure for the right-hand side safety prop



DANGER

ALWAYS USE THE TAILGATE SAFETY PROPS WHEN WORKING UNDER A RAISED TAILGATE. THE SAFETY PROP MUST BE INSTALLED EVEN IF THE TAILGATE IS IN THE FULLY RAISED POSITION.



DANGER

ENSURE THAT NO ONE IS STANDING BEHIND THE TRUCK AND THERE IS NO WASTE MATERIAL IN THE BODY.

9.7 TAILGATE LATCHES

On each tailgate, a latch (Figure #9.16) is provided to locked both tailgates properly and seal the body. These two latches need to be greased each week using multipurpose lithium base grease.

When closing both tailgates, the seals at the bottom of the each tailgate must be pressed along the body to prevent any spillage when the body is full of material.

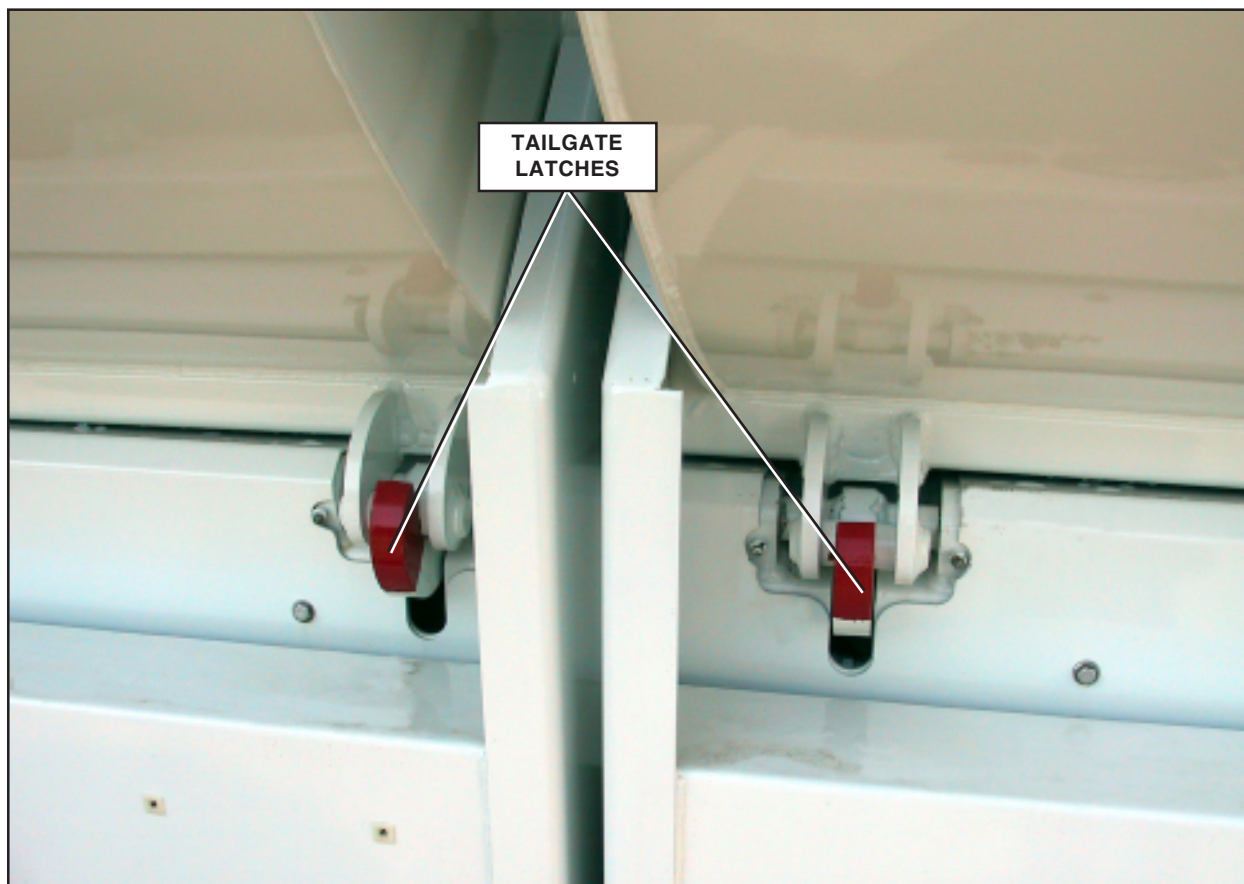
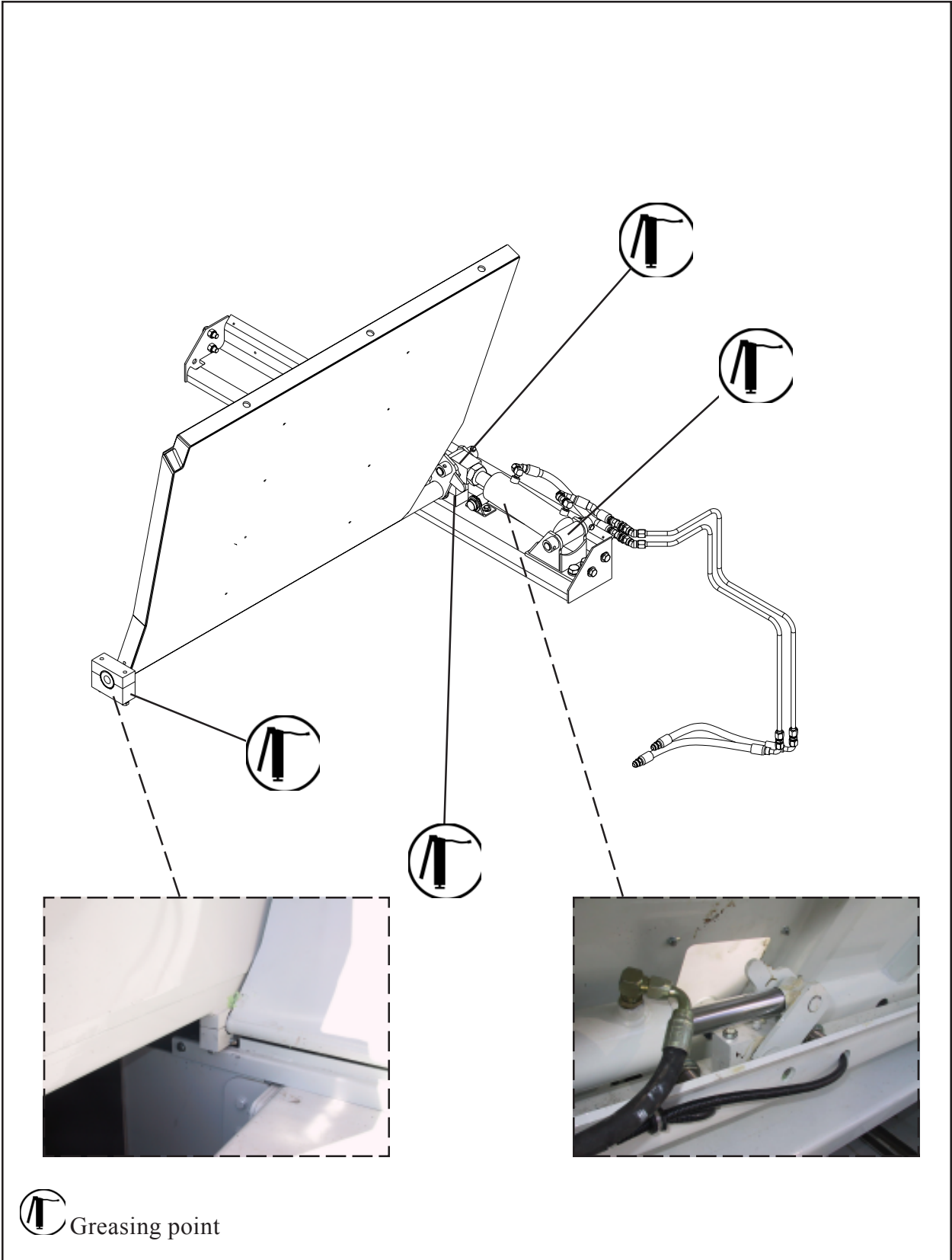


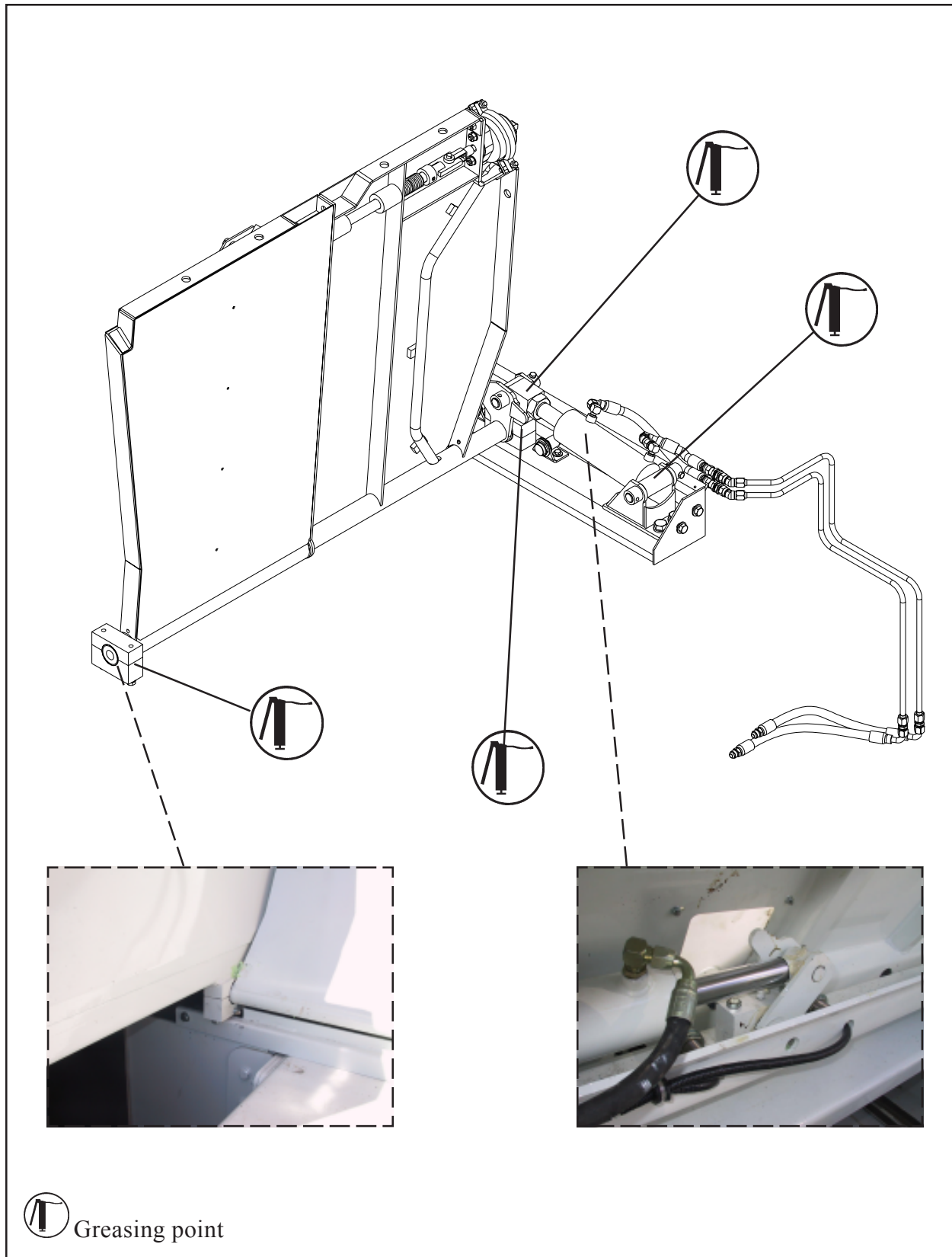
FIGURE #9.16

9.8 LUBRICATION
9.8.1 SINGLE CHUTE

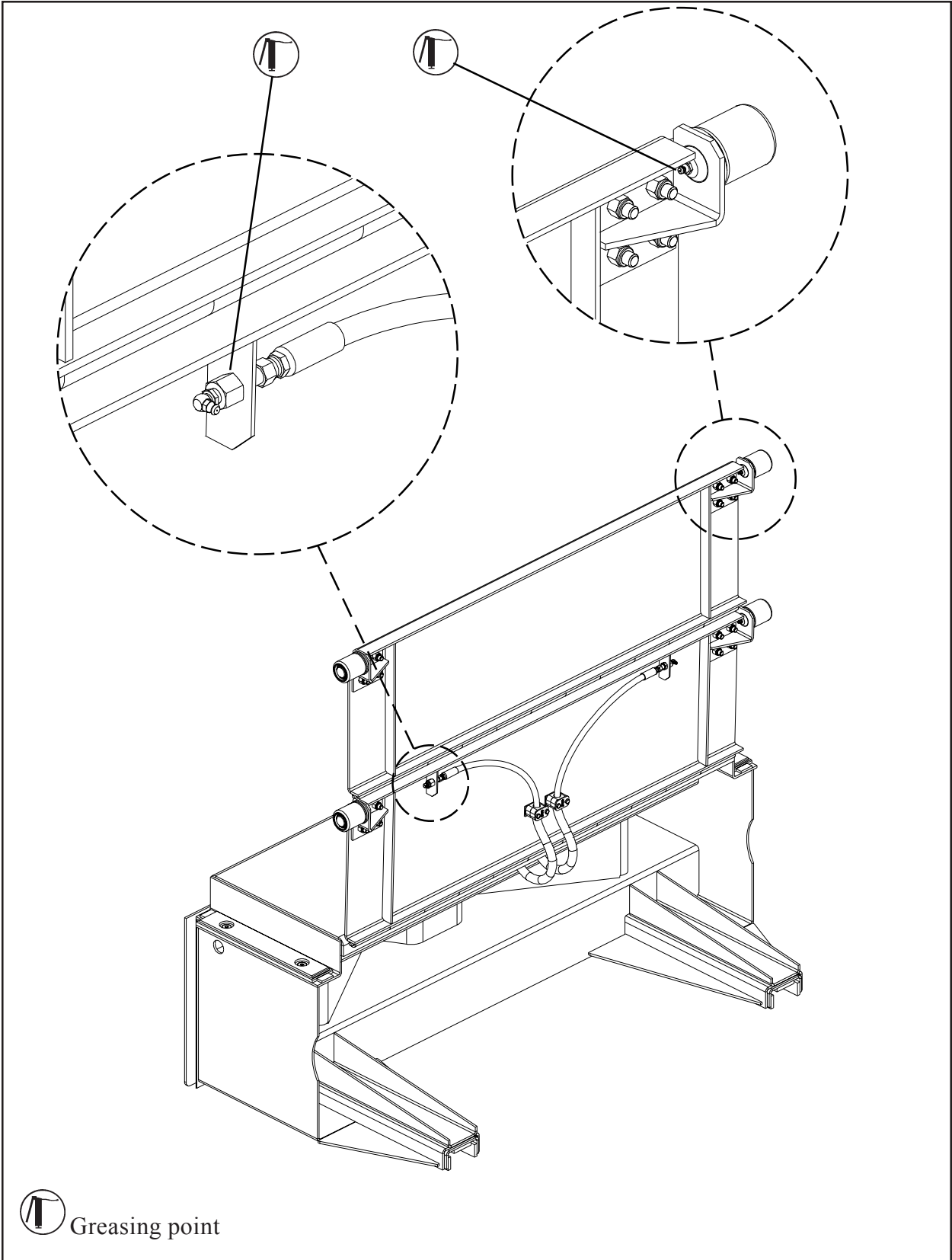


9.8 LUBRICATION

9.8.2 DUAL CHUTE

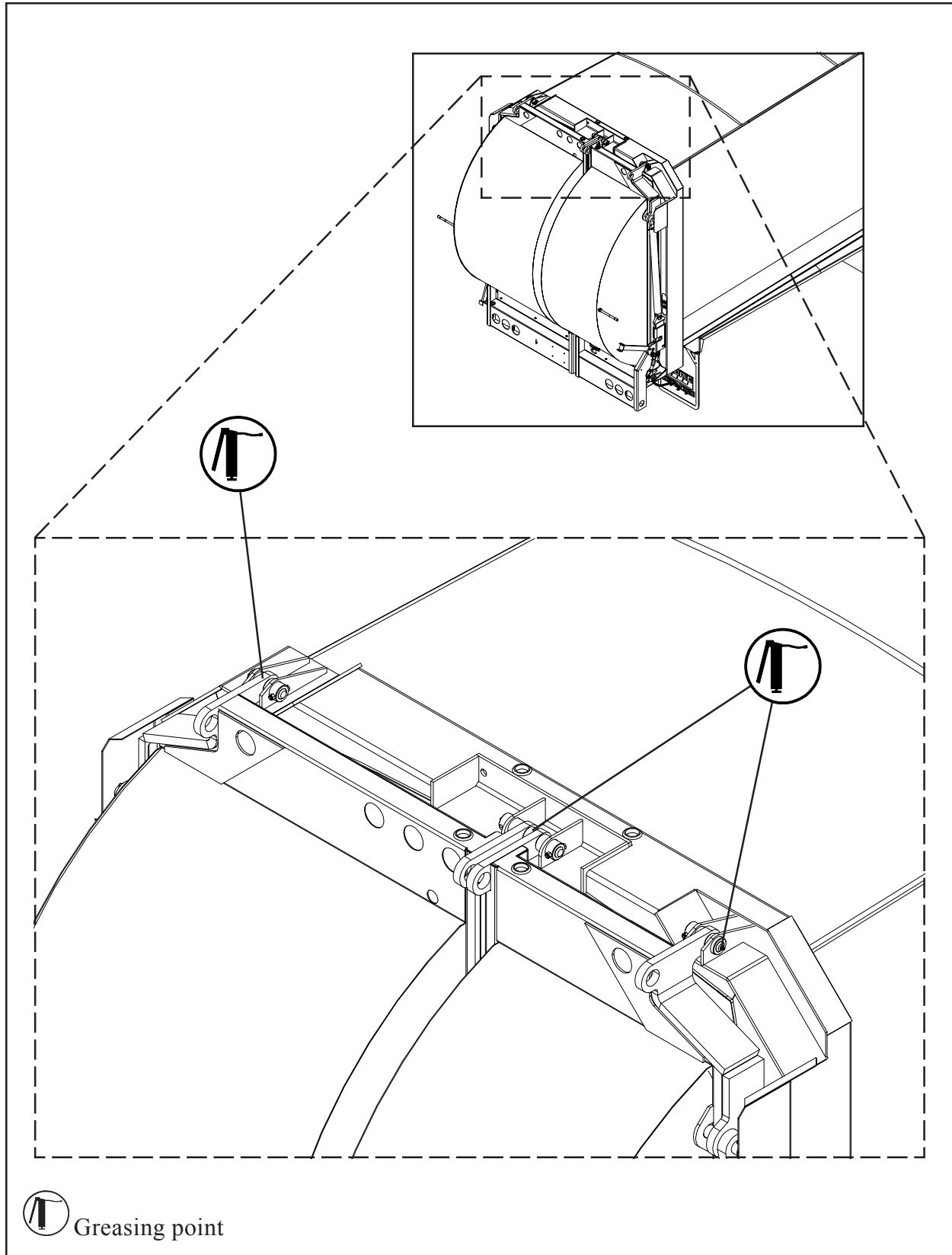


9.8 LUBRICATION
9.8.3 PACKER

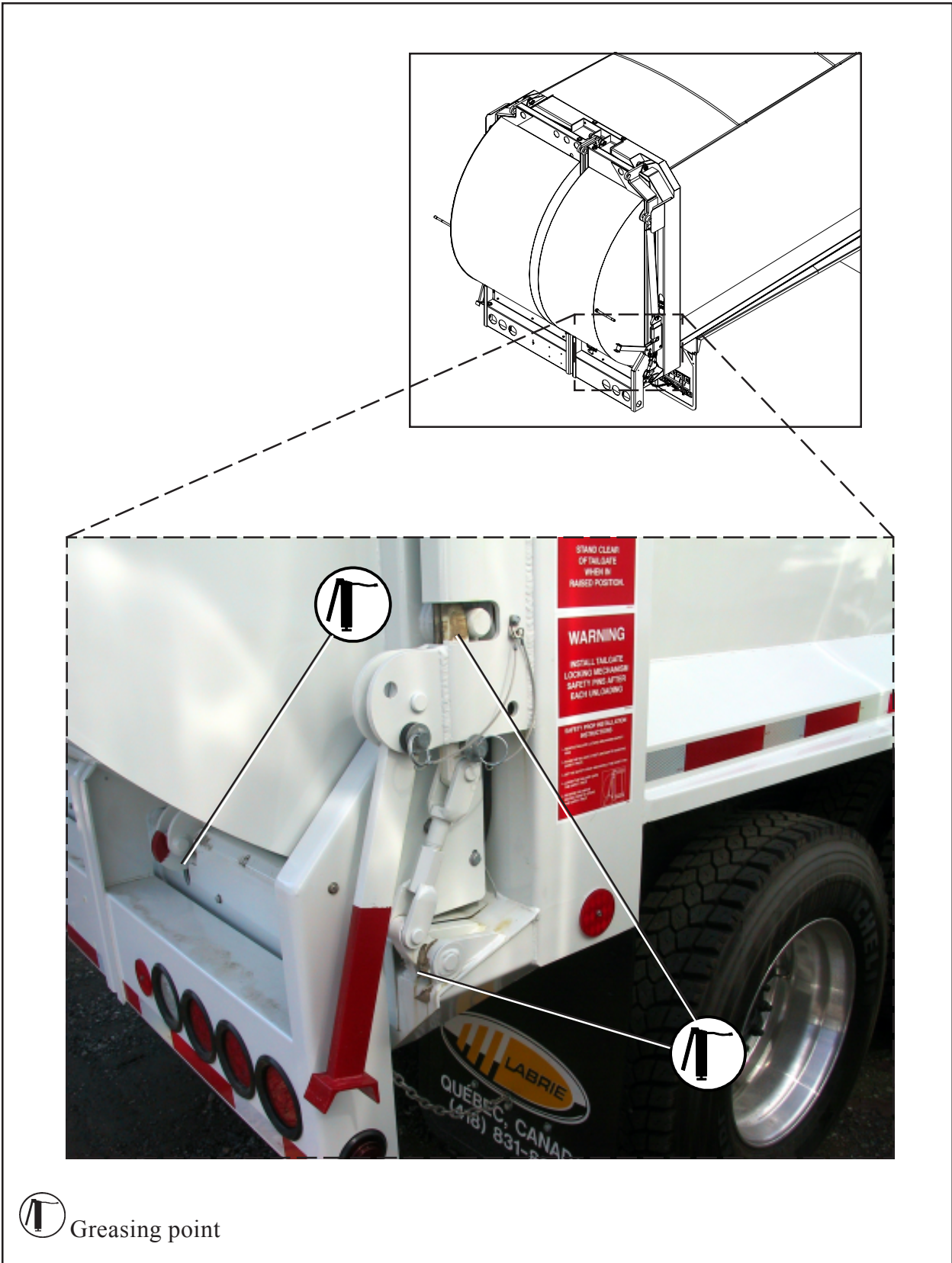


9.8 LUBRICATION

9.8.4 TAILGATE HINGES



9.8 LUBRICATION
9.8.5 TAILGATE LOCK MECHANISM



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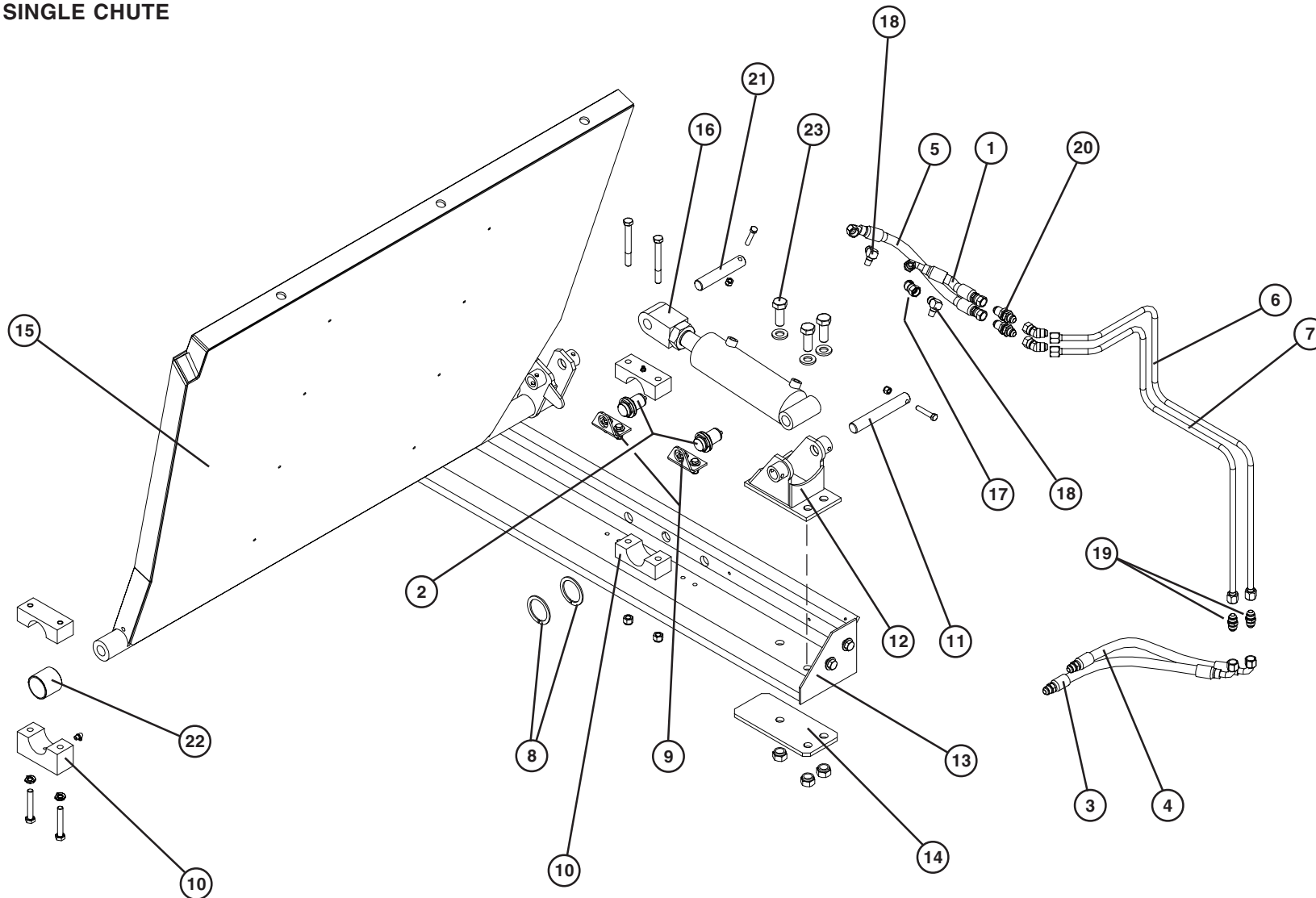
9.9 PARTS CATALOG
9.9.1 HOPPER DIVIDER

1

2

3

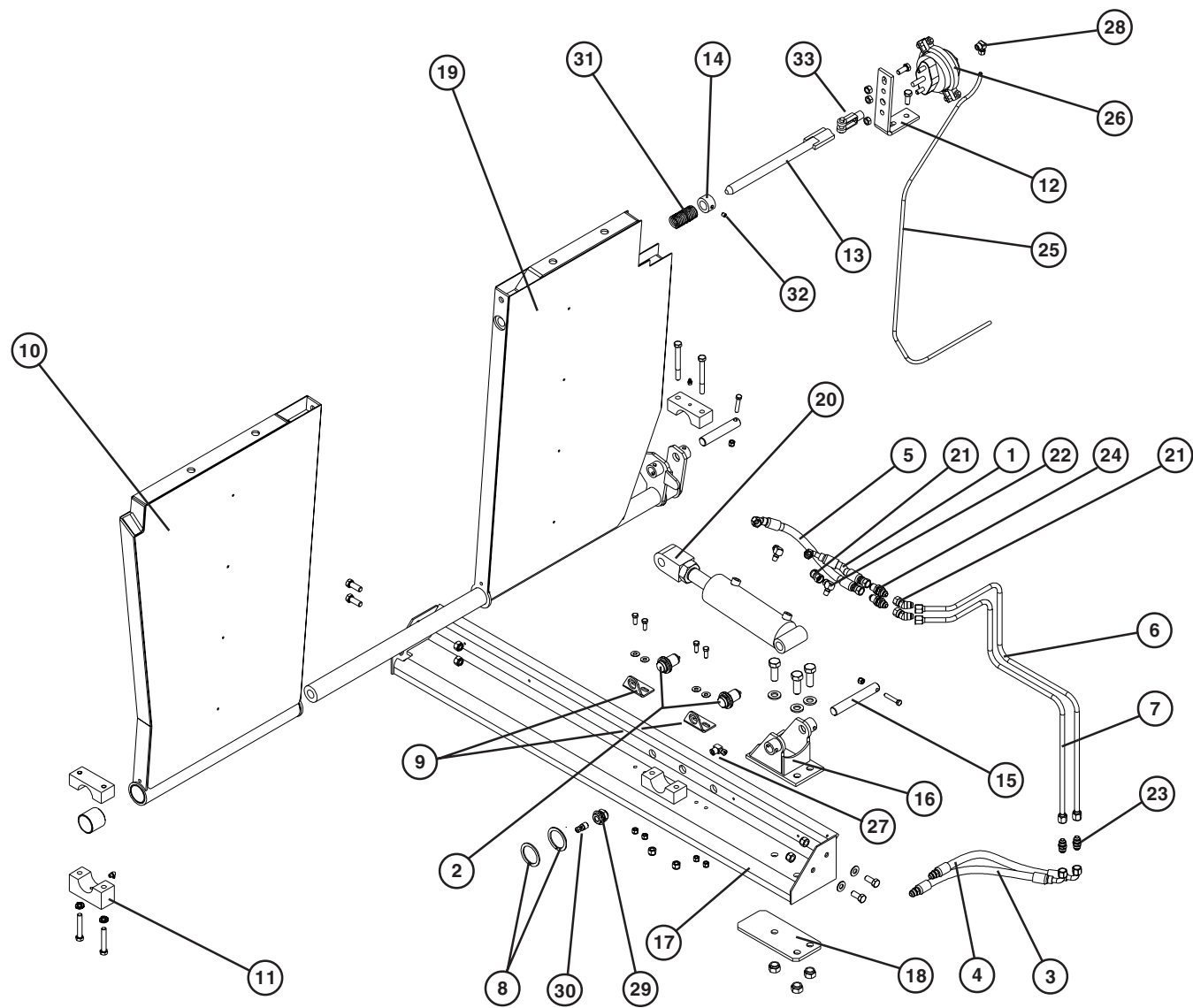
NO.	PART NO.	BODY CAPACITY	QTY.
1	Serial# only	HOPPER DIVIDER	1
2	Serial# only	BRACKET	1
3	Serial# only	PACKER FRONT PLATE	1

9.9 PARTS CATALOG**9.9.2 SINGLE CHUTE**

9.9 PARTS CATALOG

9.9.2 SINGLE CHUTE

No.	Part no.	Body Capacity	Qty.		
1	18415	HOSE	1		
2	21887	PROXIMITY SWITCH ASSY.	2		
3	24281	HOSE	1		
4	24281	HOSE	1		
5	38556	HOSE	1		
6	38526	PIPE	1		
7	38527	PIPE	1		
8	38528	SPACER	2		
9	38555	PROXIMITY SWITCH BRACKET	2		
10	43032	PILLOW BLOCK ASSY.	2		
11	46774	CYLINDER PIN	1		
12	46781	CYLINDER BRACKET	1		
13	46785	BEAM	1		
14	46787	FISH PLATE	1		
15	46788	SINGLE CHUTE ASSY.	1		
16	HYC00349	HYDRAULIC CYLINDER	1		
17	HYF02925	45° ADAPTOR	3		
18	HYF03900	90° ADAPTOR	2		
19	HYF05300	FITTING UNION	2		
20	HYF06500	BULKHEAD	2		
21	38518	CYLINDER PIN	1		
22	QUB47000	BUSHING	2		

9.9 PARTS CATALOG**9.9.3 DUAL CHUTE**

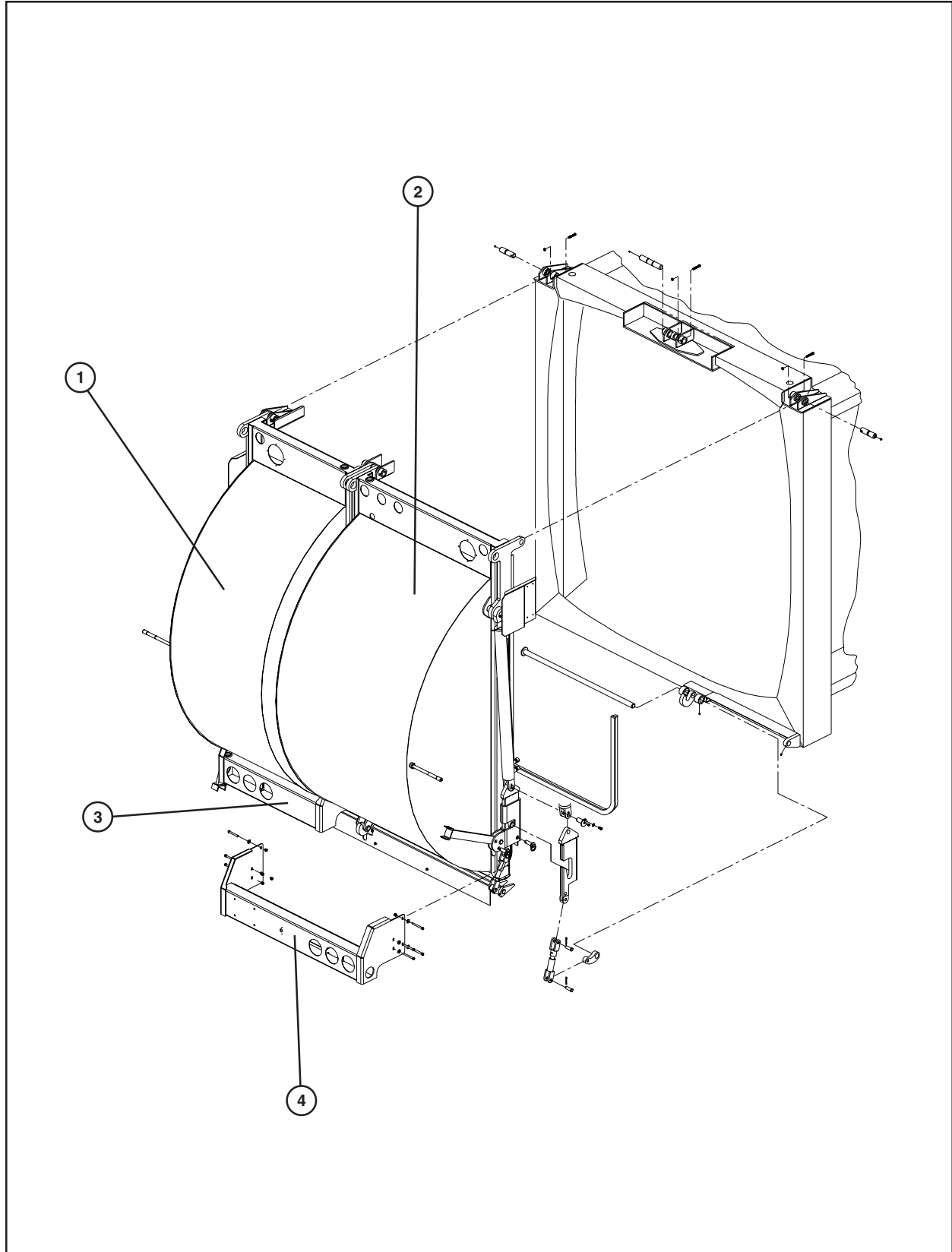
9.9 PARTS CATALOG

9.9.3 DUAL CHUTE

No.	Part no.	Body Capacity	Qty.		
1	18415	HOSE	1		
2	21887	PROXIMITY SWITCH ASSY.	2		
3	24281	HOSE	1		
4	24281	HOSE	1		
5	38556	HOSE	1		
6	38526	PIPE	1		
7	38527	PIPE	1		
8	38528	SPACER	2		
9	38555	PROXIMITY SWITCH BRACKET	2		
10	43031	CHUTE ASSY.	1		
11	43032	PILLOW BLOCK	2		
12	43052	AIR ACTUATOR BRACKET	1		
13	43114	ACTUATOR PIN	1		
14	43118	RING	1		
15	46774	CYLINDER PIN	1		
16	46781	CYLINDER BRACKET	1		
17	46785	BEAM	3		
18	46787	FISH PLATE	1		
19	46789	CHUTE ASSY.	1		
20	HYC00349	HYDRAULIC CYLINDER	2		
21	HYF02925	45° ADAPTOR	3		
22	HYF03900	90° ADAPTOR	2		
23	HYF05300	FITTING UNION	2		
24	HYF06500	BULKHEAD	2		
25	PNB00618	AIR PIPE	1		
26	PNF00050	AIR ACTUATOR	1		
27	PNF04250	90° ADAPTOR	1		
28	PNF04500	90° PNEUMATIC ADAPTOR	1		
29	PNF10560	PNEUMATIC ADAPTOR	1		
30	PNF26000	PNEUMATIC ADAPTOR	1		
31	QUR03257	SPRING	1		
32	QUV02850	SCREW	1		
33	QUY00155	YOKE	1		

9.9 PARTS CATALOG

9.9.4 DUAL TAILGATE

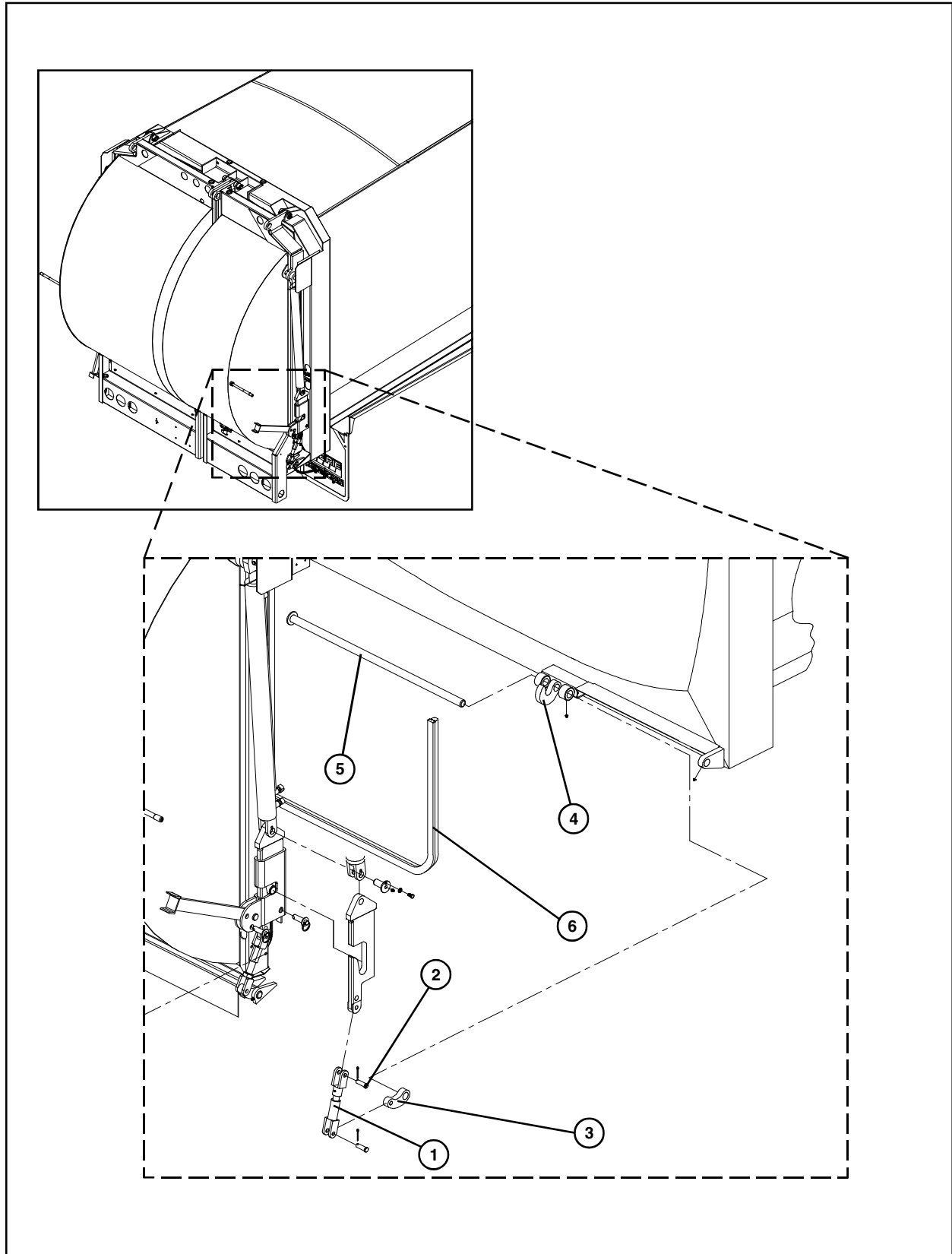


9.9 PARTS CATALOG
9.9.4 DUAL TAILGATE

NO.	PARTS NO.	DESCRIPTION QTY.
1	Serial# only	LEFT-HAND SIDE TAILGATE 1
2	Serial# only	RIGHT-HAND SIDE TAILGATE 1
3	Serial# only	LEFT-HAND SIDE BUMPER 1
4	Serial# only	RIGHT-HAND SIDE BUMPER 1

9.9 PARTS CATALOG

9.9.5 DUAL TAILGATE LOCK MECHANISM



9.9 PARTS CATALOG

9.9.5 DUAL TAILGATE LOCK MECHANISM

NO.	PARTS NO.	DESCRIPTION	QTY.
1	Serial# only	YOKE	2
2	Serial# only	LOCK PIN	2
3	Serial# only	LEVER.....	2
4	Serial# only	LOCK.....	2
5	Serial# only	SHAFT.....	2
6	Serial# only	SEAL	1

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9.10 HYDRAULIC SYSTEMS PARTS AND SCHEMATICS

9.10.1 INTRODUCTION

All hoses and pipes on both the chassis and body are now identified with part number tags (Figure #9.16 & 9.17). Call the Labrie Parts and Service department, and make sure to give the serial number of the vehicle, a brief description of the part and the number that appears on the tag. This will ensure the delivery of the right hydraulic component.

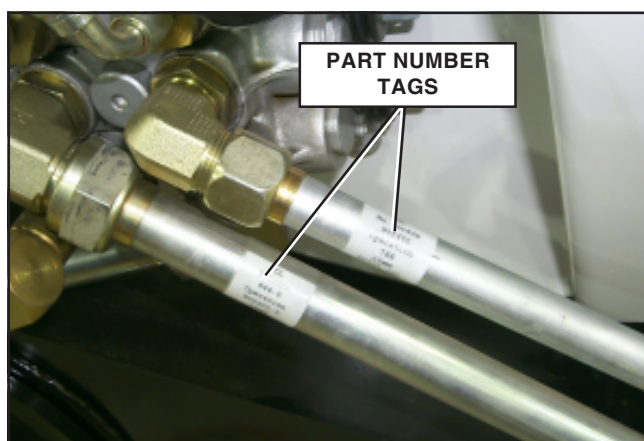


Figure #9.17

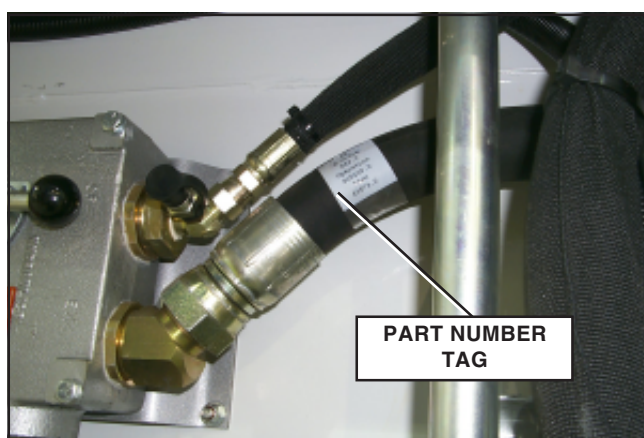
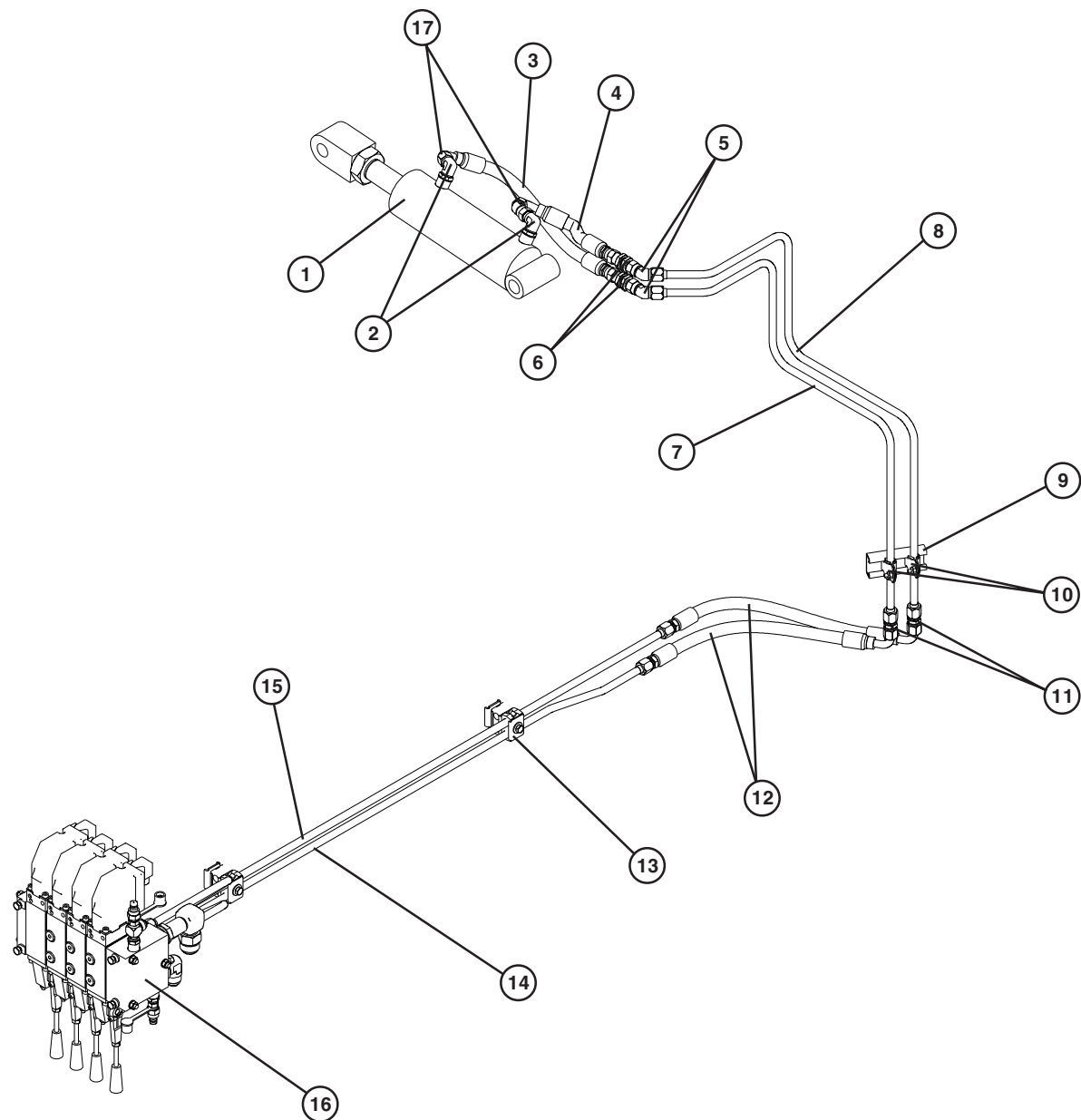


Figure #9.18

9.10 HYDRAULIC SYSTEMS PARTS AND SCHEMATICS

9.10.2 AUTOMIZER SPLIT CHUTE HYDRAULIC DIAGRAM



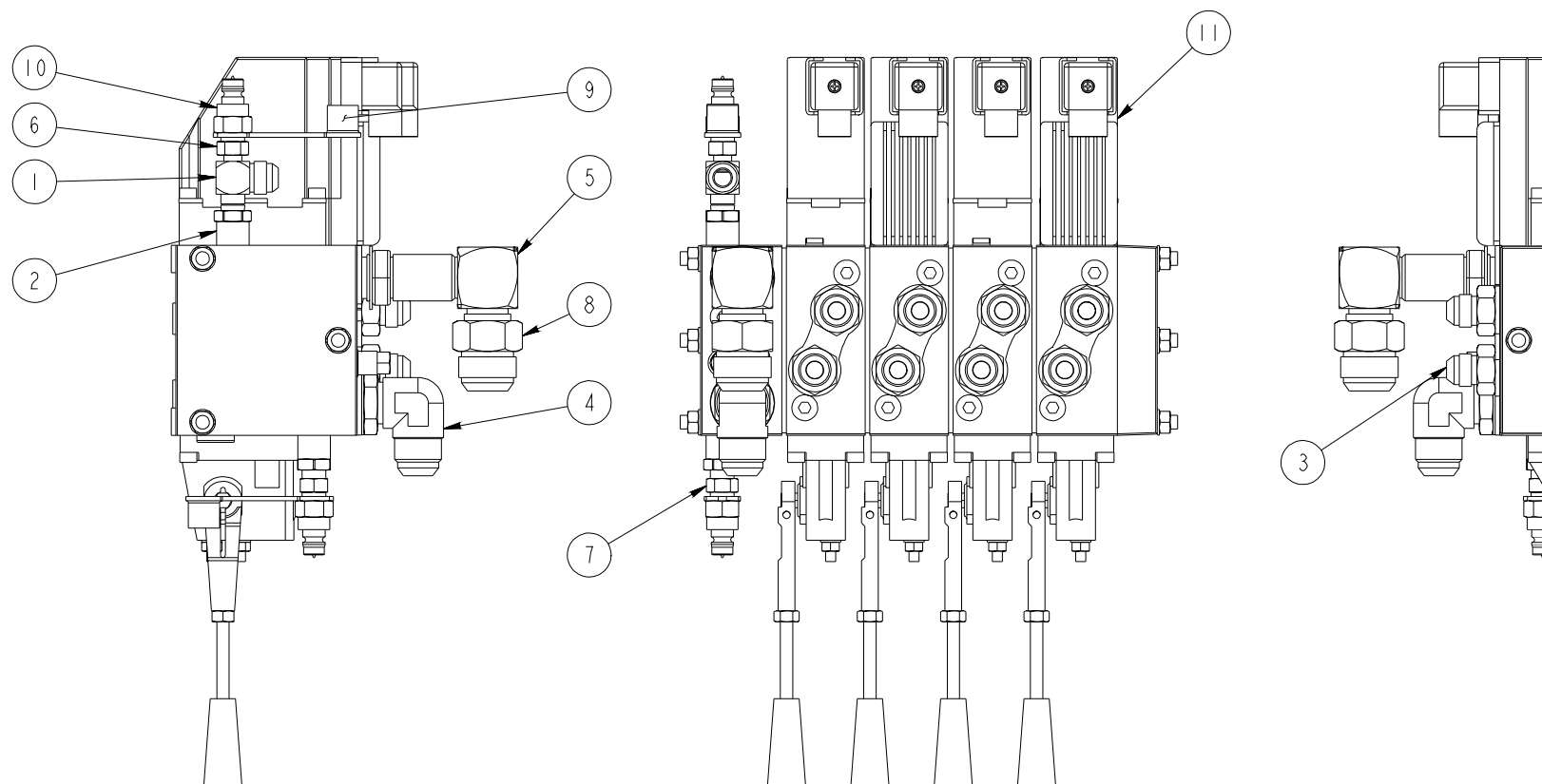
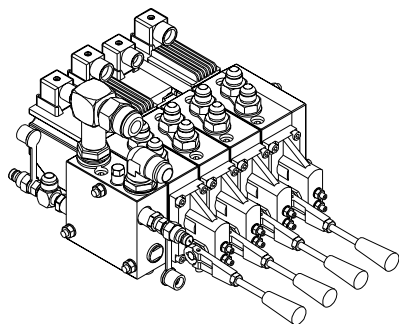
9.10 HYDRAULIC SYSTEMS PARTS AND SCHEMATICS

9.10.2 AUTOMIZER SPLIT CHUTE HYDRAULIC DIAGRAM

No.	Part no.	Description	Qty.		
1	HYC00349	Hydraulic Cylinder	1		
2	HYF05125	90° Fitting	2		
3	38556	Hose	1		
4	18415	Hose	1		
5	HYF02925	45° Fitting	1		
6	HYF06500	Fitting union	1		
7	38527	Pipe	1		
8	38526	Pipe	1		
9	5004	Bracket	1		
10	HYS00200	Bracket	2		
11	HYF05300	Fitting Union	1		
12	24281	Hose	1		
13	HYS01035	Braket	2		
14	38561	Pipe	1		
15	38560	Pipe	1		
16	38541	Proportional valve	1		
17	HYF02925	45° Fitting	2		

9.10 HYDRAULIC SYSTEMS PARTS AND SCHEMATICS

9.10.3 PROPORTIONAL VALVE



9.10 HYDRAULIC SYSTEMS PARTS AND SCHEMATICS

9.10.3 PROPORTIONAL VALVE

No. Part no.		Body Capacity	Qty.		
1	27324	ADAPTOR	1		
2	HYF04690	FITTING UNION	2		
3	HYF04900	FITTING UNION	8		
4	HYF05135	90° ADAPTOR	1		
5	HYF05155	90° ADAPTOR	1		
6	HYF08950	FITTING UNION	1		
7	HYF09000	FITTING UNION	1		
8	HYF09625	FITTING UNION	1		
9	HYF10050	DUST CAP	2		
10	HYF10200	QUICK CONNECT	2		
11	HYV04305	PROPORTIONAL VALVE ASSY.	1		

[illegible]

[illegible]