

# HYDRAULIC SYSTEM

## AUTOMIZER VERSA HAND™



**LabriePlus™**

Parts, Service and Warranty  
(during business hours)

Technical Support Service  
(24 hours)

1-800-231-2771  
3630 Stearns Drive  
Oshkosh, WI 54904





# HYDRAULIC SYSTEM

## AUTOMIZER VERSA HAND™

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## 5.0 HYDRAULIC SYSTEM PARTS

### 5.1 AUTOMIZER™ HYDRAULIC PARTS

#### 5.1.1 INTRODUCTION

All hoses and pipes on both the chassis and body are now identified with part number tags (Figure #5.1 & #5.2). 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 component.

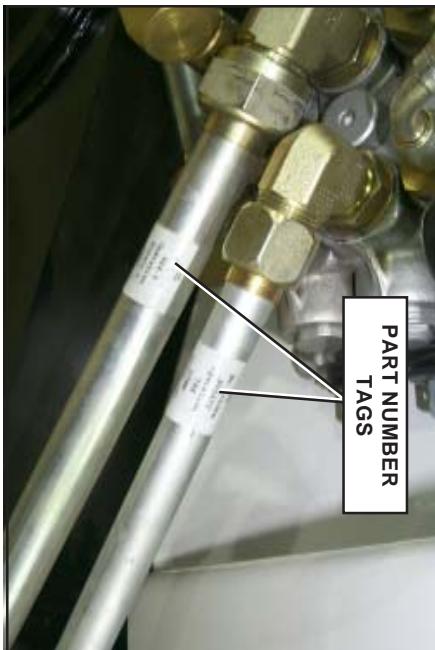


Figure #5.1



Figure #5.2



## 5.1.2 HOW TO ORDER

When ordering hydraulic components, always specify the following:

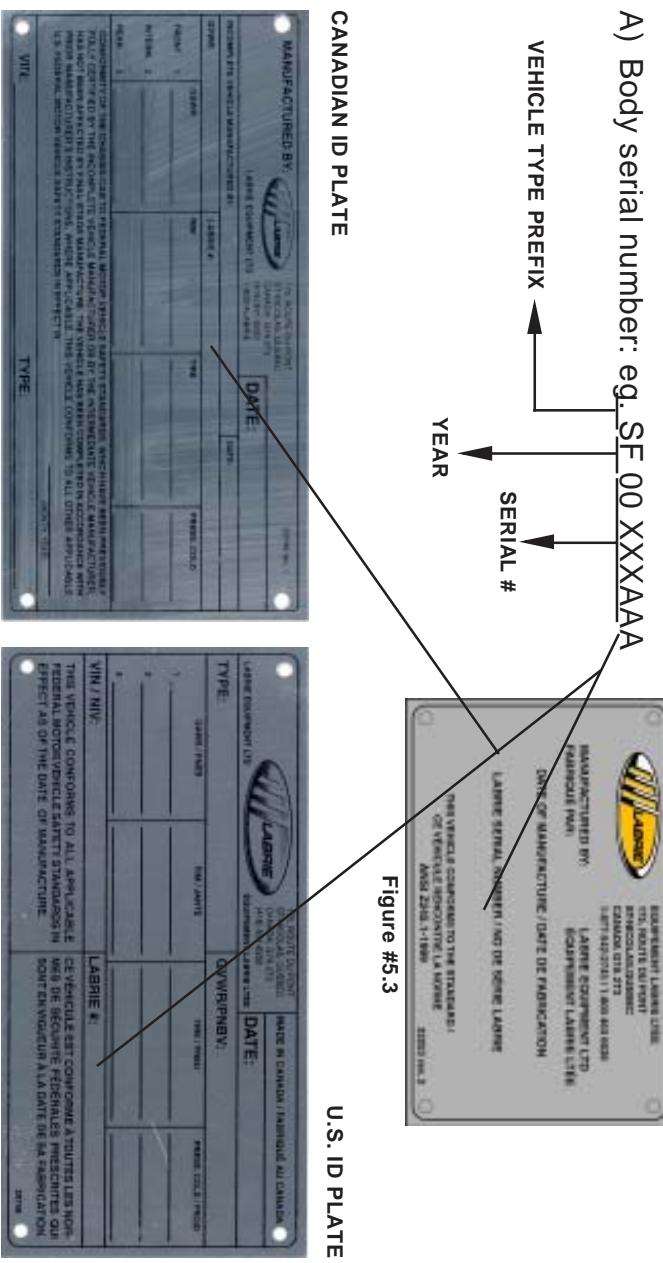


Figure #5.3



Figure #5.4

The serial number of the chassis(VIN) and the body serial number are located inside the cab(Figure #5.3). An ID plate located on the L-H side of the body will also provide body serial number and the date of manufacture(Figure #5.4).

B) The type of body; There are four different types of bodies (without tailgate). These capacities determine the length of the body, therefore the type of hydraulic pipes, hoses, hoists and pumps.

- 21 cubic yard
- 27 cubic yard

C) The type of pump

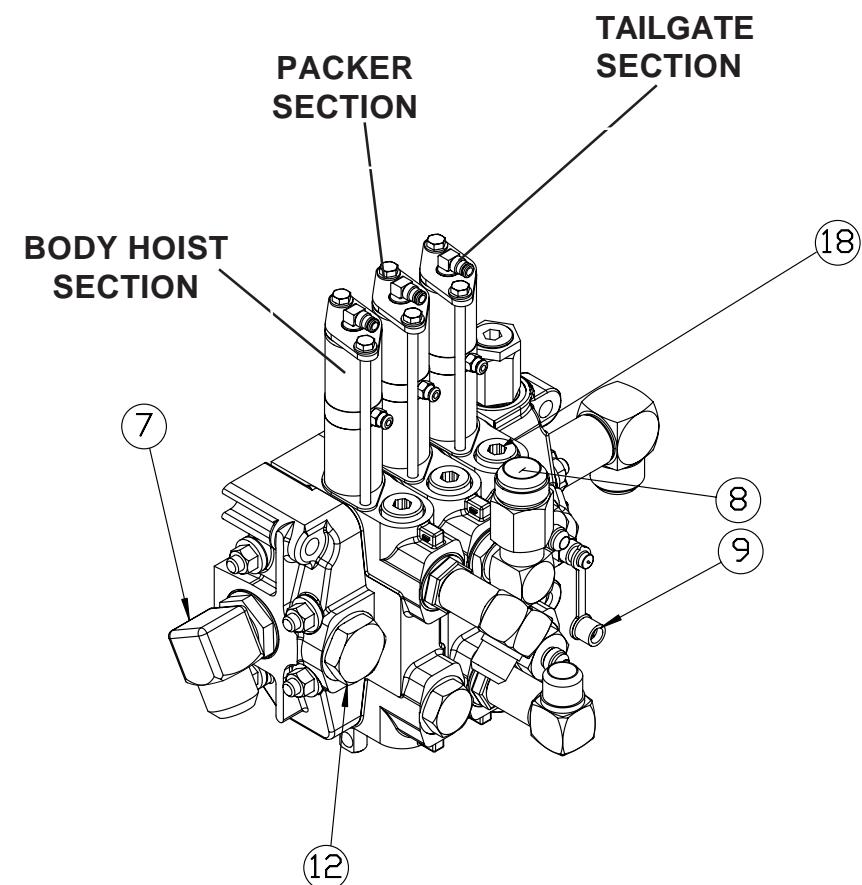
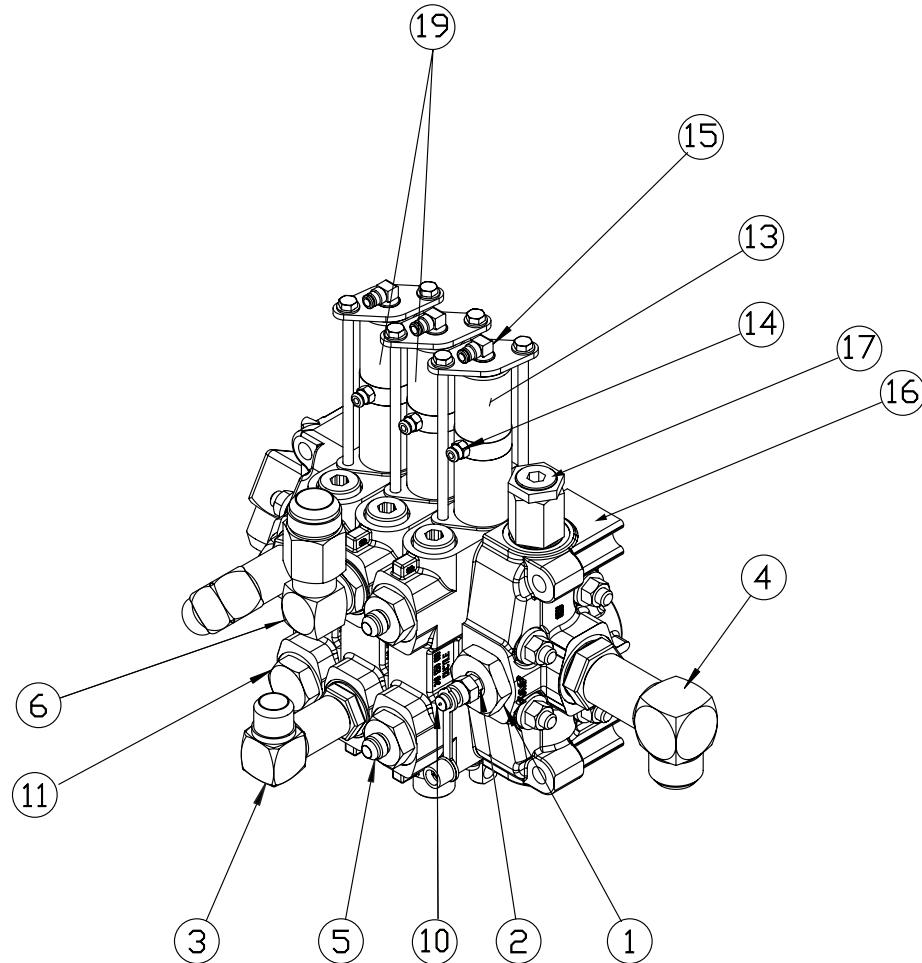
- Denison

D) The type of chassis with drive train configuration, i.e.: International 4900 6x4

E) Type of transmission, i.e.: Allison MD3560

## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.1 MAIN HYDRAULIC CONTROL VALVE



## **5.2 AUTOMIZER™ HYDRAULICS**

### **5.2.1 MAIN HYDRAULIC CONTROL VALVE**

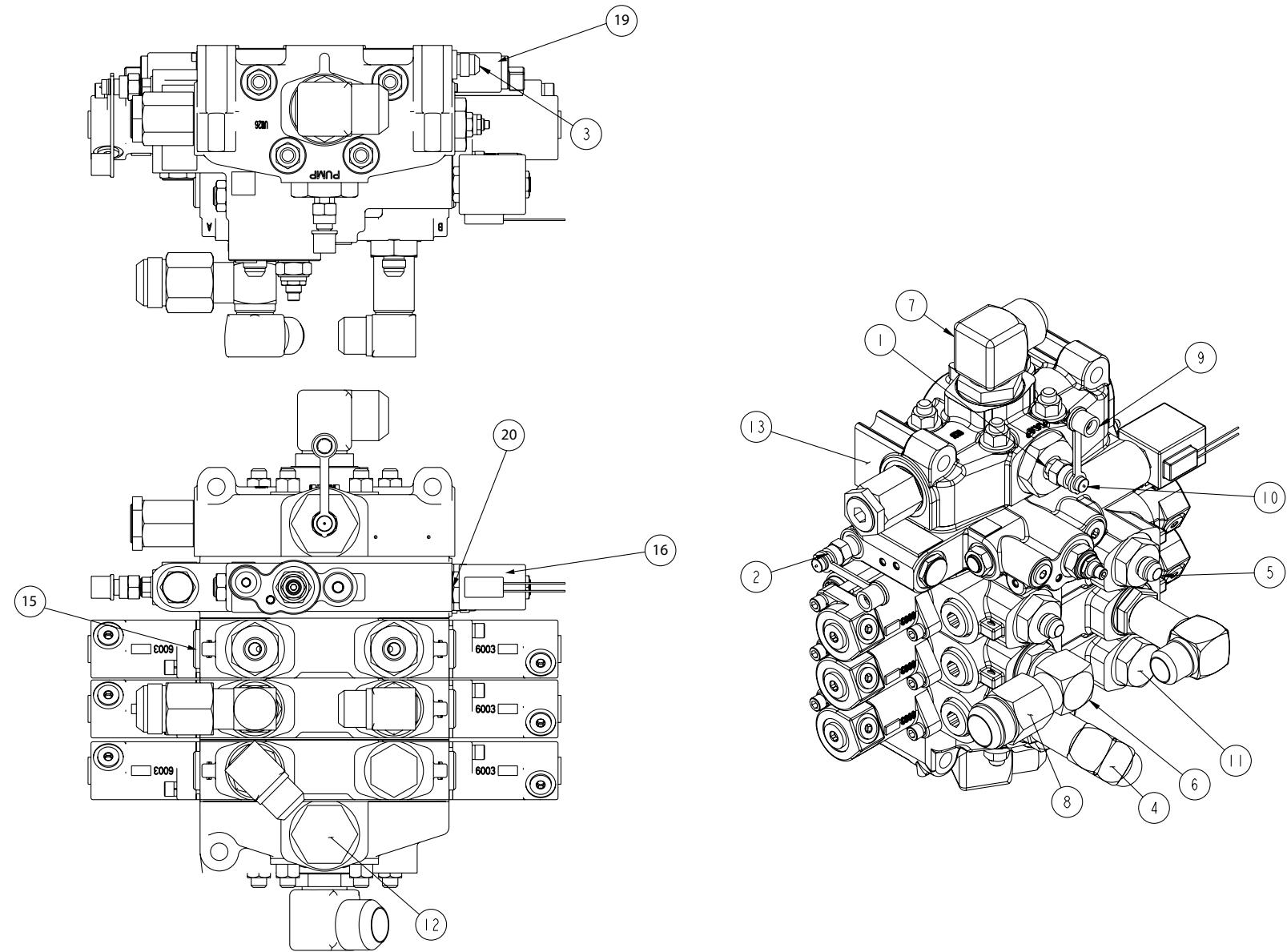
<b>Nº</b>	<b>PART Nº</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
1	68276	Adaptor .....	1
2	HYF04686	Union Fitting .....	1
3	HYF05165	90°Fitting .....	2
4	HYF05168	90° Adaptor .....	1
5	HYV05185	Fitting Reducer .....	2
6	HYF07600	90° Fitting .....	1
7	HYF07800	90° Fitting .....	1
8	HYF09650	Union Fitting .....	1
9	HYF10050	Protector Cap .....	1
10	HYF10200	Quick Connect .....	1
11	HYF11050	Fitting .....	1
12	HYF11150	Fitting .....	1
13	HYA00122	VG-35 Air Actuator .....	1
14	PNF02850	Pneumatic Fitting .....	3
15	PNF04150	90° Fitting .....	3
16	HYV05120	VG35 3 Section Air Actuated .....	1
17	HYV05702	VG35 Main Relief .....	1
18	HYV05115	VG35 Velocity Fuse .....	1
19	HYA00120	VG35 Air Actuator .....	2

### **VALVE INTERNAL REPLACEMENT PARTS**

--	HYV04104	VG35 Air Actuated Section Seal Kit .....	3
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## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.1A ELECTRICAL VALVE



## **5.2 AUTOMIZER™ HYDRAULICS**

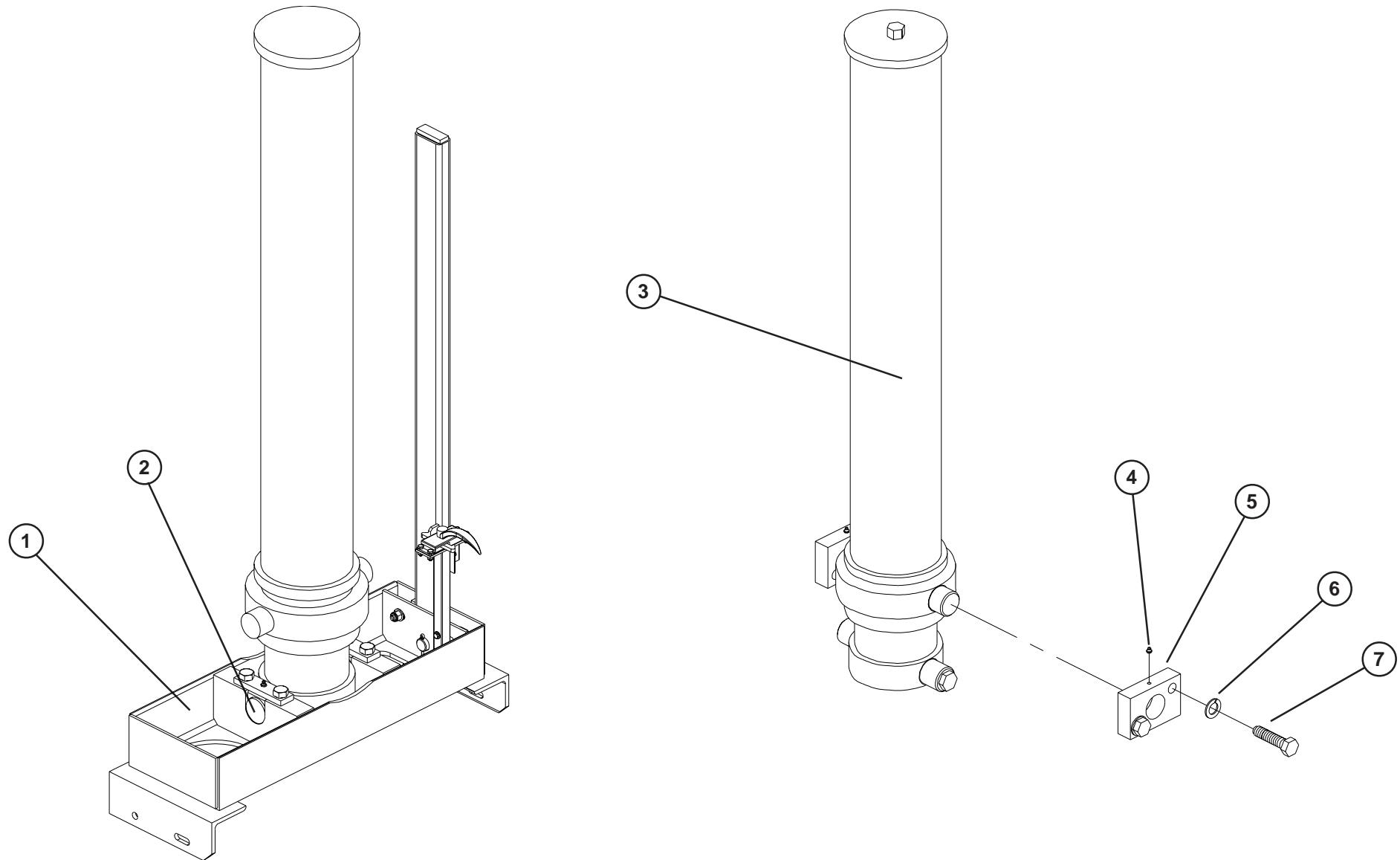
### **5.2.1A ELECTRICAL VALVE**

<b>Nº</b>	<b>PART Nº</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
1	HYF04686	Union Fitting .....	1
2	HYF04687	Union Fitting .....	1
3	HYF04920	Union Fitting .....	1
4	HYF05162	90° Adaptor .....	2
5	HYF05185	Fitting Reducer.....	2
6	HYF07600	90° Adaptor .....	1
7	HYF07800	90° Adaptor .....	2
8	HYF09650	Union Fitting .....	1
9	HYF10050	Safety Cap.....	2
10	HYF10200	Quick Connect .....	2
11	HYF11050	Fitting .....	1
12	HYF11150	Fitting .....	1
13	HYV05135	VG-35 3-section Valve .....	1
14	HYV05702	VG-35 Main relief .....	
15	HYV05115	VG-35 Velocity Fuse .....	
16	HYV05700	VG-35 Solenoid Build-up 12V .....	
17	HYJ04102	VG_35 Electrical Section Seal Kit .....	
18	HYJ04100	VG-35 Utility Section Seal Kit .....	
19	HYV05712	VG-35 Electrical Solenoid for Section .....	
20	HYV05710	VG-35 Cartridge Build-up .....	

NOTE : This valve is optional. If installed, it replaces the hydraulic valve that controls the body, the tailgate and the packer.

## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.2 BODY HOIST



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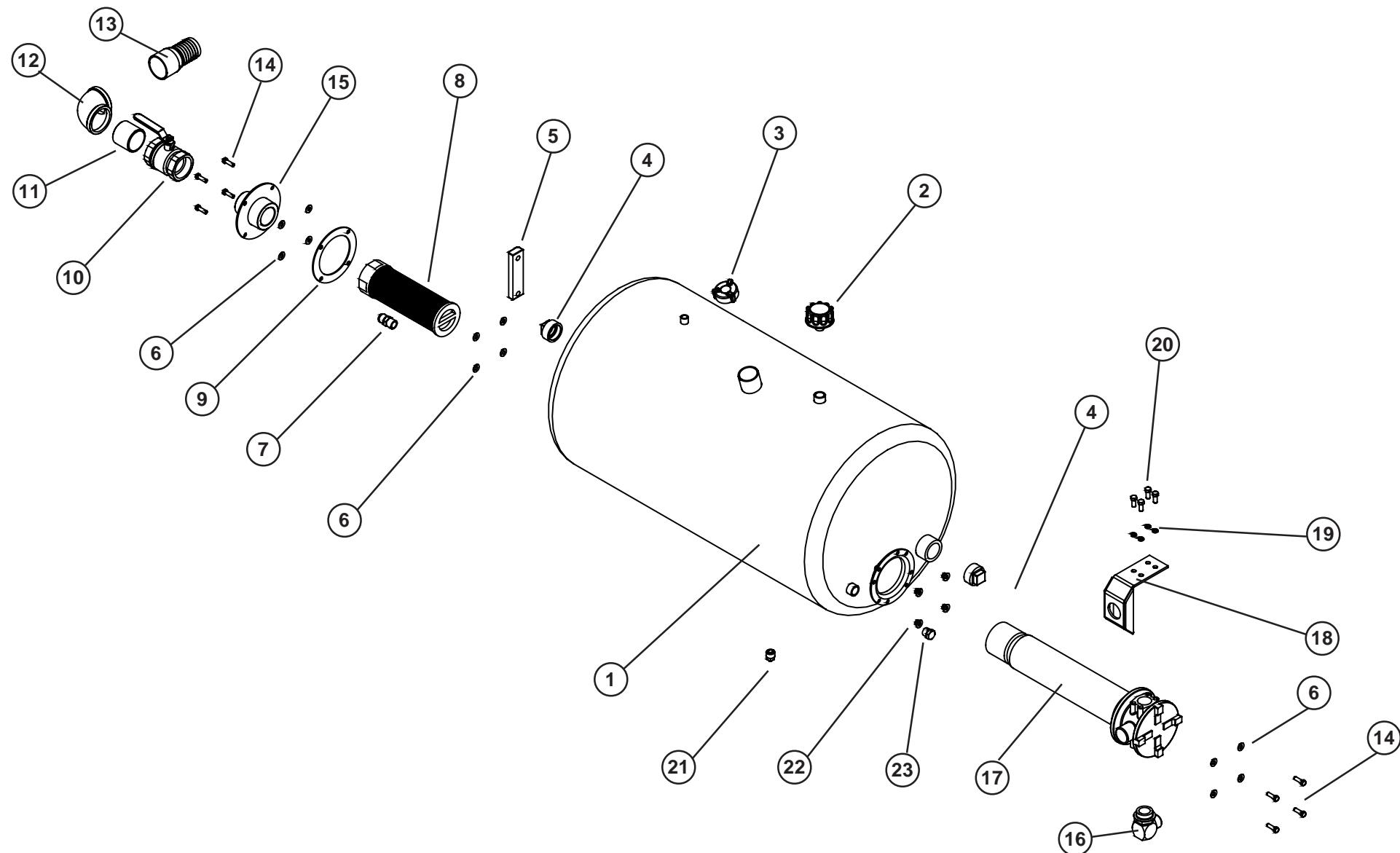
## **5.2 AUTOMIZER™ HYDRAULICS**

### **5.2.2 BODY HOIST**

<b>Nº</b>	<b>PART Nº</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
1	25167	Hoist Base .....	1
2	HYF05165	90° Fitting .....	1
3	HYC01430	Body Hoist .....	1
4	QUG00200	Grease Fitting .....	4
5	HYC01305	Pillow Block .....	2
6	QUR02100	Lock Washer .....	4
7	QUB06570	Bolt .....	4

## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.3 HYDRAULIC TANK



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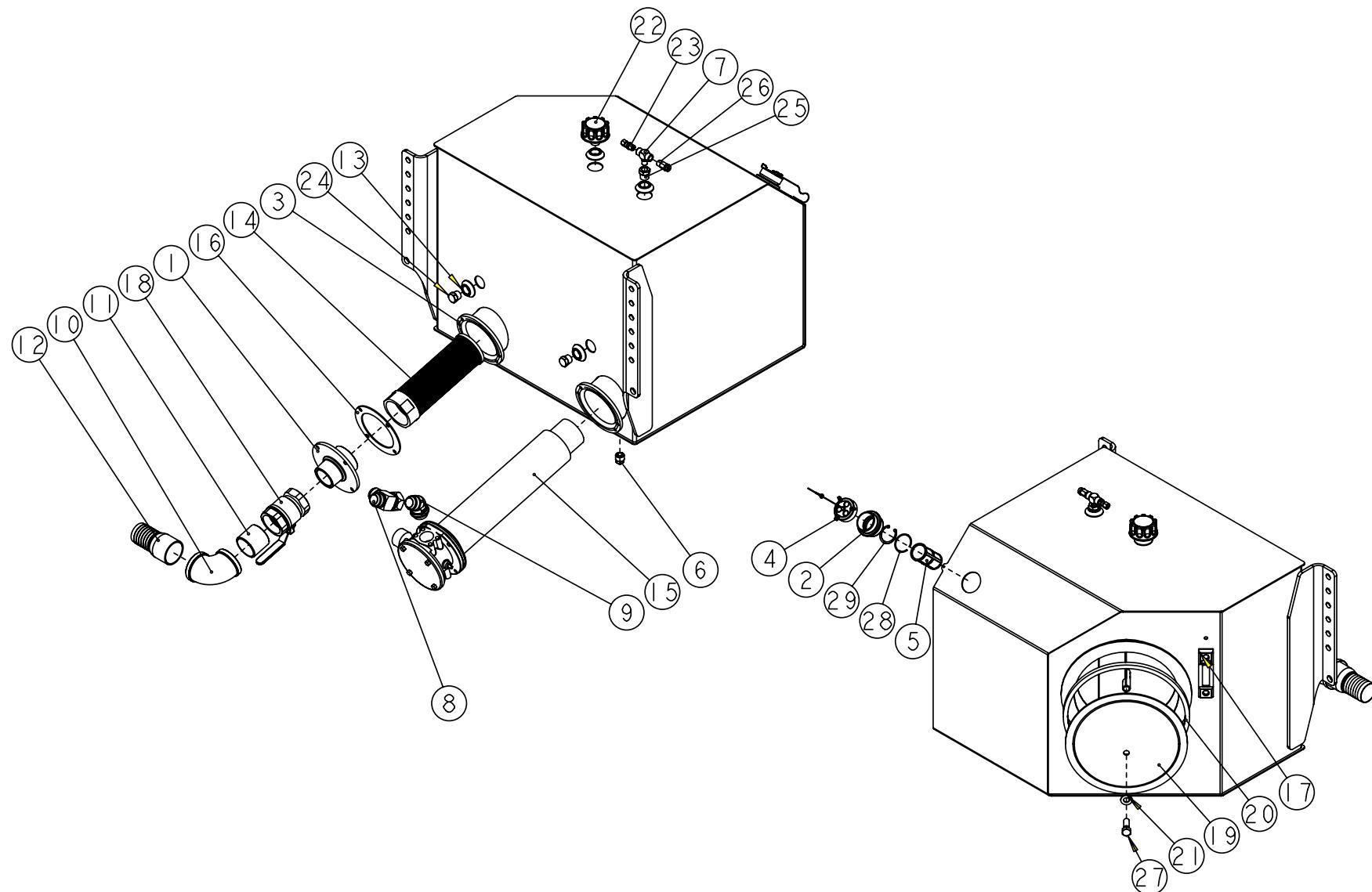
## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.3 HYDRAULIC TANK

Nº	PART Nº	DESCRIPTION	QTY.
1	50987	Tank Assy .....	1
2	PNB02100	Filler-Breather Cap .....	1
3	CIB00060	Call .....	1
4	HYF11500	Cap .....	2
5	HYJ00150	Oil Gage .....	1
6	QUR01900	Washer .....	16
7	HYF02000	Adaptor .....	1
8	HYF01675	Suction Filter .....	1
9	HYF20025	Filter Seal .....	1
10	HYV01850	Ball Valve .....	1
11	HYF13185	Adaptor .....	1
12	HYF13150	90° Adaptor .....	1
13	HYF14050	Pipe King Nipple .....	1
14	QUB03500	Bolt .....	8
15	26934	Flange .....	1
16	HYF07825	90° Adaptor .....	1
17	HYF20015	Return Filter .....	1
18	16073	Cover .....	1
19	QUR01280	Washer .....	4
20	QUB04205	Bolt .....	4
21	HYB00900	Magnetic Plug .....	1
22	QUE01300	Bolt .....	8
23	PNF07605	Hexagonal Cap .....	1

## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.3A HYDRAULIC TANK



## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.3A HYDRAULIC TANK

Nº	PART Nº	DESCRIPTION	QTY.
1	26934	Suction Adaptor Assy .....	1
2	77265	Filling duct .....	1
3	77406	Flange .....	2
4	CIB00061	Cap with external sling .....	1
5	HYB00760	Tanker Drogue .....	1
6	HYB00900	Magnetic cap .....	1
7	HYF05680	Adph Te .....	1
8	HYF06275	Adph Te .....	1
9	HYF07100	45° Adaptor .....	1
10	HYF13150	Hydraulic Adaptor .....	1
11	HYF13185	Adaptor .....	1
12	HYF14050	King Nipple .....	1
13	HYF15300	Fitting .....	5
14	HYF15675	Suction Filter .....	1
15	HYF20015	Shroeder Return Filter .....	1
16	HYF20025	Filter Seal .....	1
17	HYJ00150	Oil Gage .....	1
18	HYV01850	400 PSI Ball Valve .....	1
19	HYV02200	Access Cover .....	1
20	HYV02250	Access Cover Rubber Seal .....	1
21	HYV02300	Flat Washer .....	1
22	PNB02100	Pressurized Cap .....	1
23	PNF03300	Adaptor .....	1
24	PNF07605	Hex. Cap .....	2
25	PNF08095	Adpp RE ¾ NPTM X 3/8 NPTF .....	1
26	PNS0100	Safety Valve .....	1
27	QUB05200	Hex.Nut .....	1
28	QUR02414	Retaining Ring .....	1
29	QUR04328	Internal Retaining Ring .....	1

## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.3B RETURN FILTER PARTS

SHROEDER FILTER ASSEMBLY

HYF20015

SHROEDER FILTER ELEMENT

HYF20030

PRESSURIZED FILLER CAP

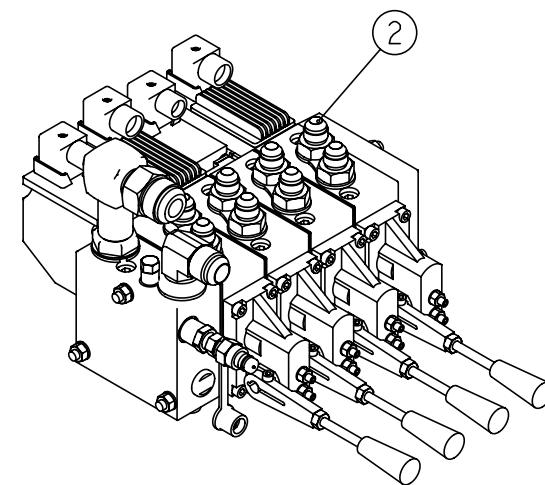
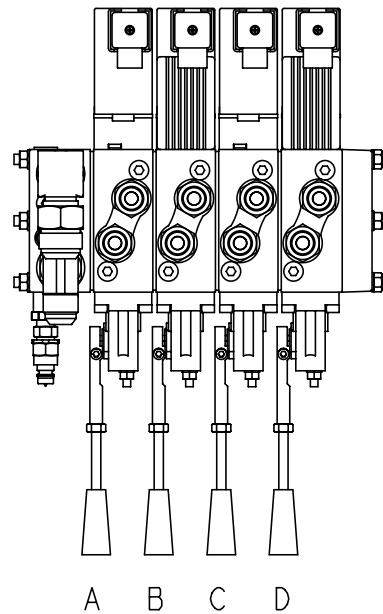
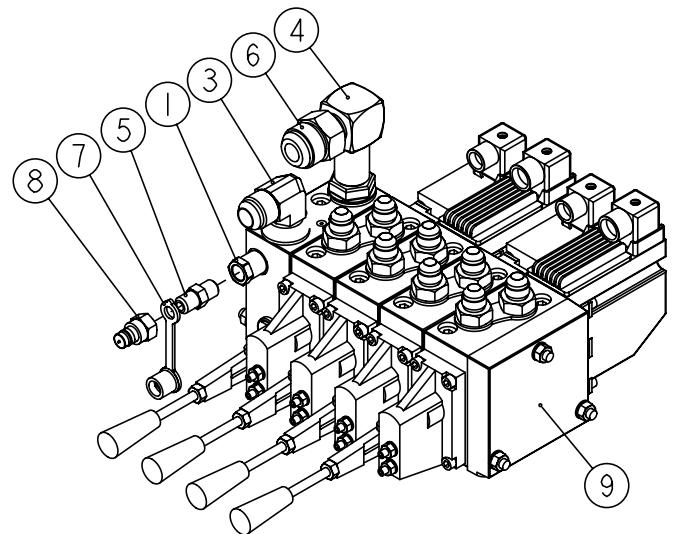
PNB02100

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## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.4 PROPORTIONAL VALVE



A = CRUSHER PANEL (IF EQUIPPED)  
B = GRABBER  
C = VERTICAL MOVEMENT OF THE ARM  
D = HORIZONTAL MOVEMENT OF THE ARM

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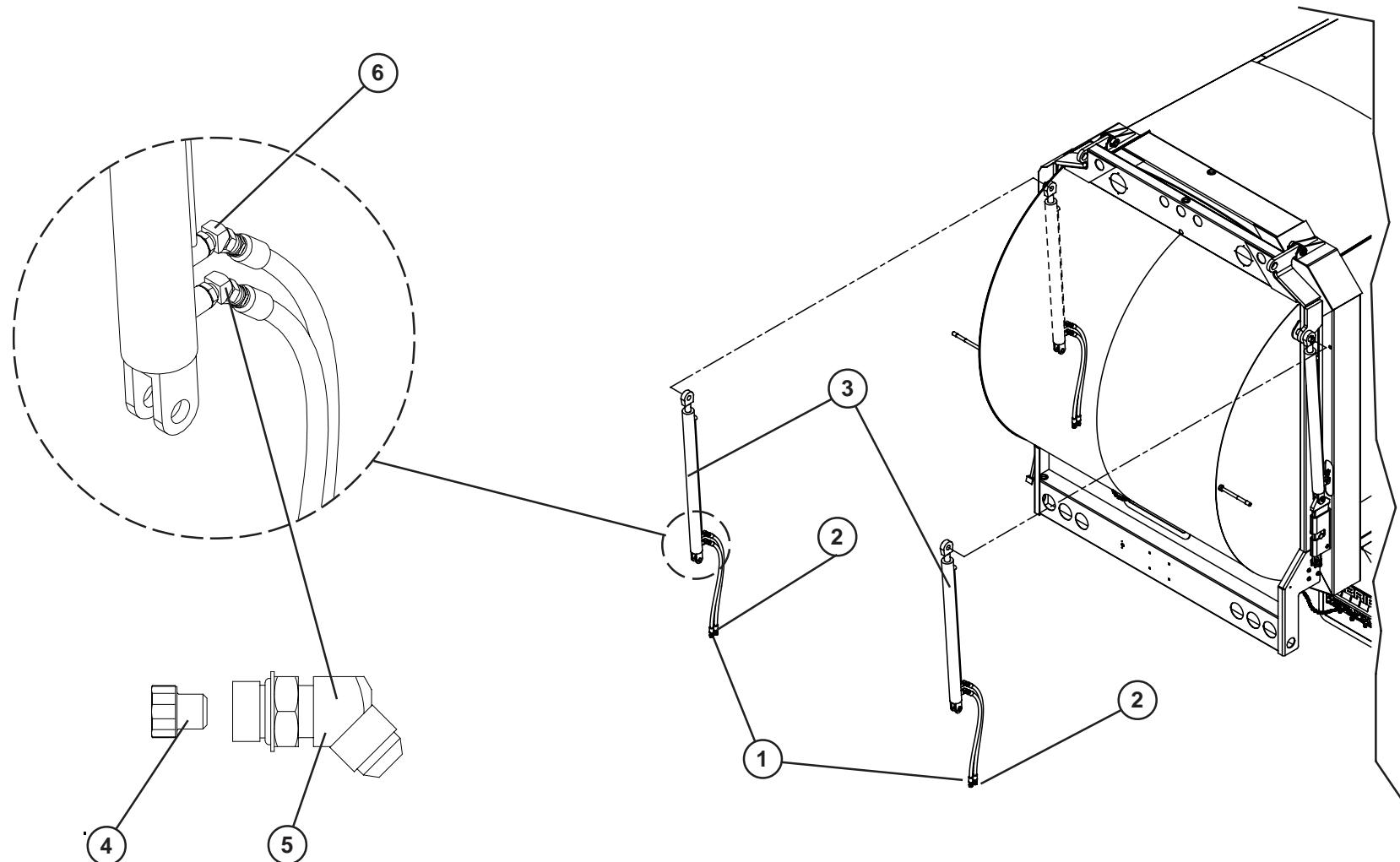
## **5.2 AUTOMIZER™ HYDRAULICS**

### **5.2.4 PROPORTIONAL VALVE**

<b>Nº</b>	<b>PARTS Nº</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
1	HYF04690	Union Fitting .....	1
2	HYF04900	Union Fitting .....	1
3	HYF05135	90° Adaptor .....	8
4	HYF05155	Union Fitting .....	1
5	HYF09000	Union Fitting .....	1
6	HYF09625	Union Fitting .....	1
7	HYF10050	Protection Cap .....	1
8	HYF10200	Quick Connect .....	1
9	HYV04401	4-section Hydraulic valve .....	1

## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.5 TAILGATE CYLINDERS AND HOSES



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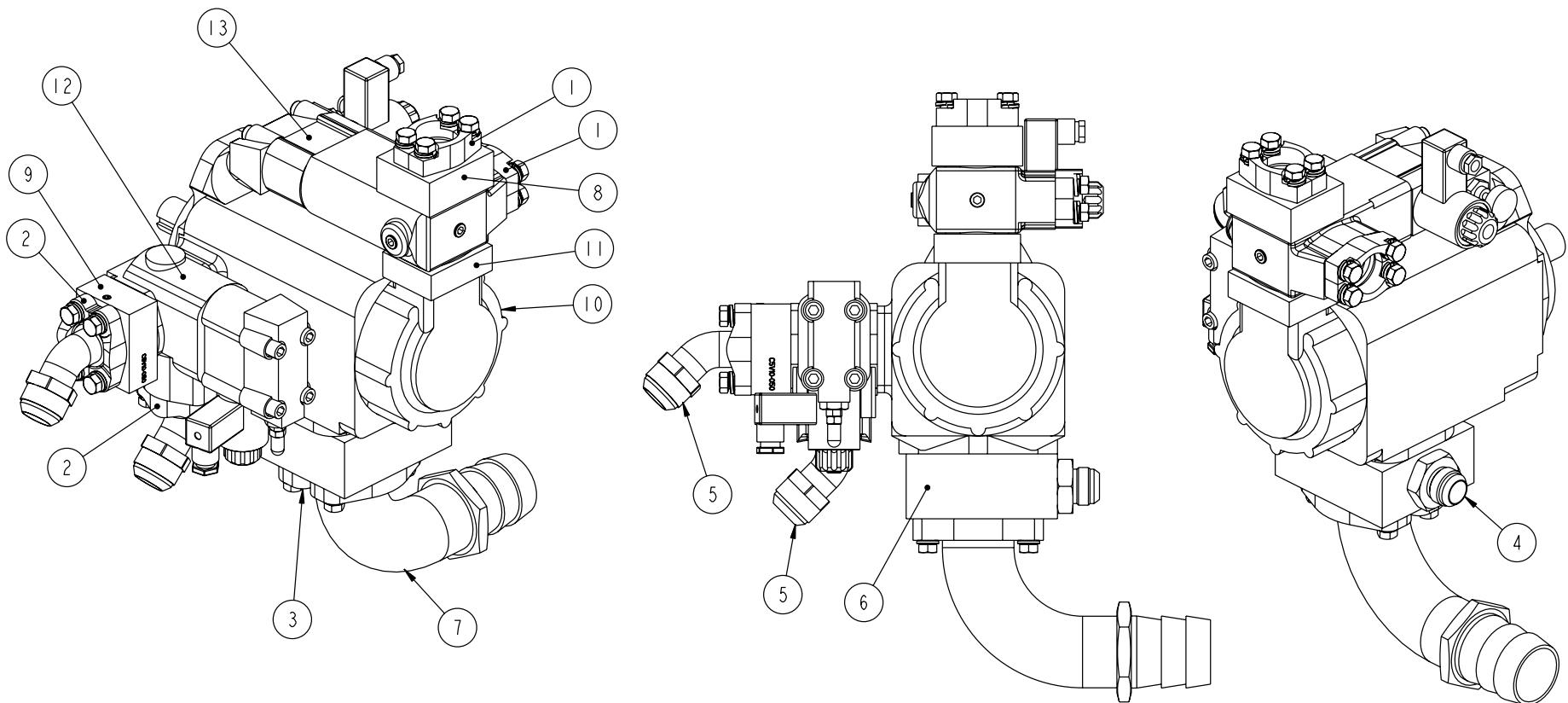
## **5.2 AUTOMIZER™ HYDRAULICS**

### **5.2.5 TAILGATE CYLINDERS AND HOSES**

<b>Nº</b>	<b>PART Nº</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
1	10412	Hose, Pressure (Tailgate open) .....	2
2	10413	Hose, Return (Tailgate close) .....	2
3	HYC00320	Tailgate Cylinder .....	2
4	HYF05120	45° Fitting .....	1
5	15359	45° Fitting .....	1
6	15358	Cap .....	1

## 5.2 AUTOMIZER™ HYDRAULICS

### 5.2.6 HYDRAULIC PUMP



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## **5.2 AUTOMIZER™ HYDRAULICS**

### **5.2.6 HYDRAULIC PUMP**

<b>Nº</b>	<b>PART Nº</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
1	HYF00080	Flange .....	2
2	HYF00095	Split Flange Hardware .....	2
3	HYF00097	Adaptor, Clamp .....	1
4	HYF08555	Adaptor, Hyd. ....	1
5	HYF25105	Adaptor .....	2
6	HYF25450	Adaptor .....	1
7	HYF25500	Adaptor, Hyd. ....	1
8	HYP01425	Manifold .....	1
9	HYP01430	Manifold .....	1
10	HYP01490	Denison Pump, Double .....	1
11	HYP01550	Hydraulic Pump Shim .....	1
12	HYP01558	Dump Valve Assy .....	1
13	HYP01567	Dump Valve Assy .....	1

## NOTES