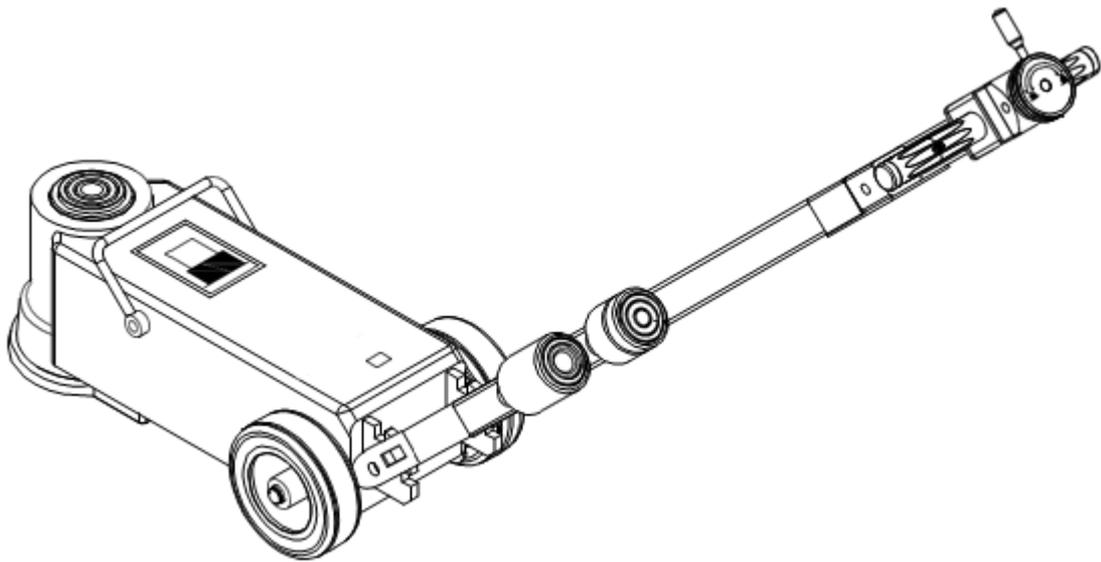


# Air-operated Hydraulic Jack

## FPL-402

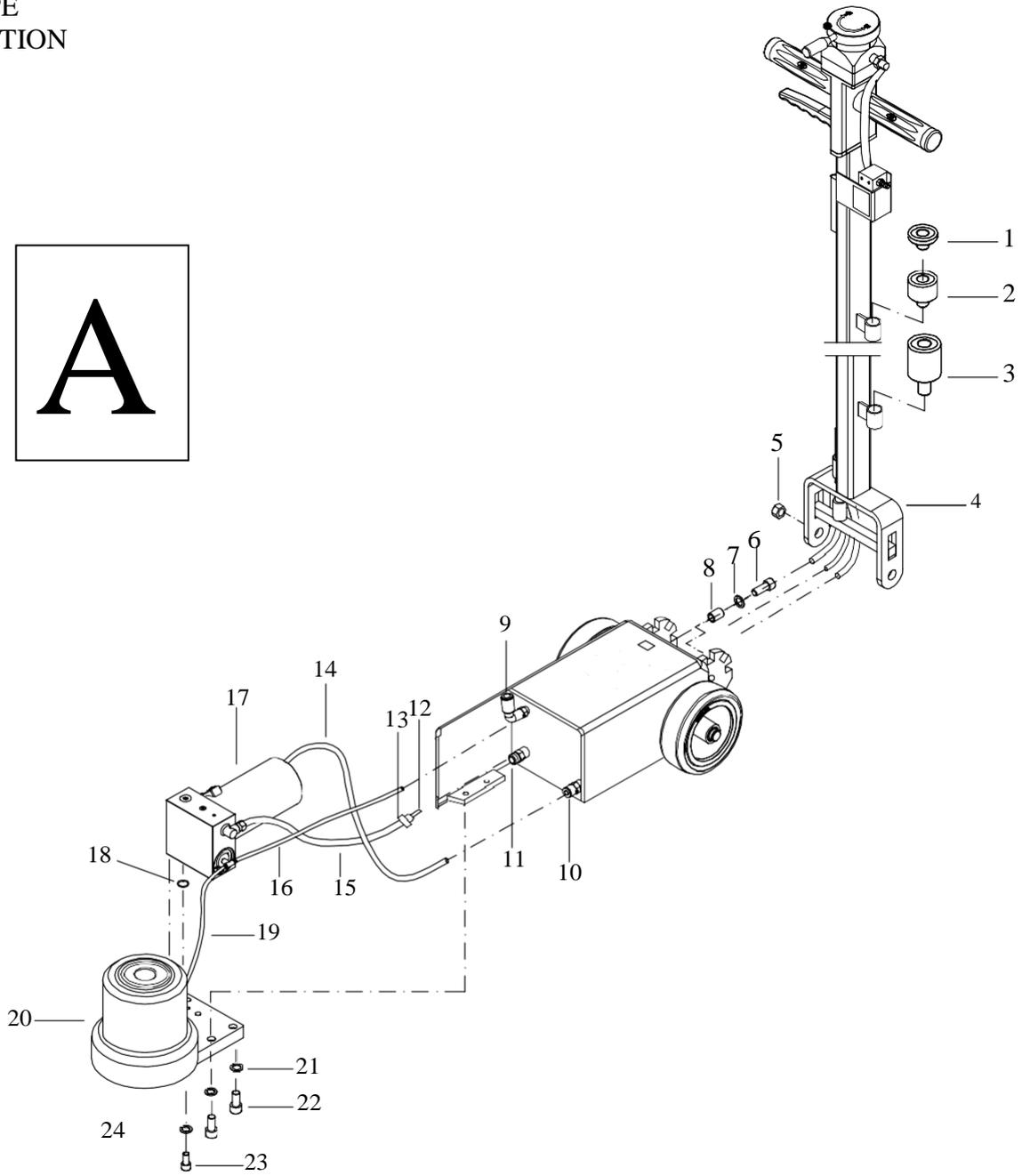
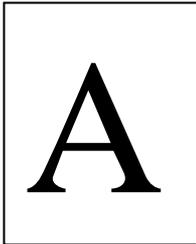
### Parts Manual



Minimum Height: 170mm  
Hoisting Height: 170mm

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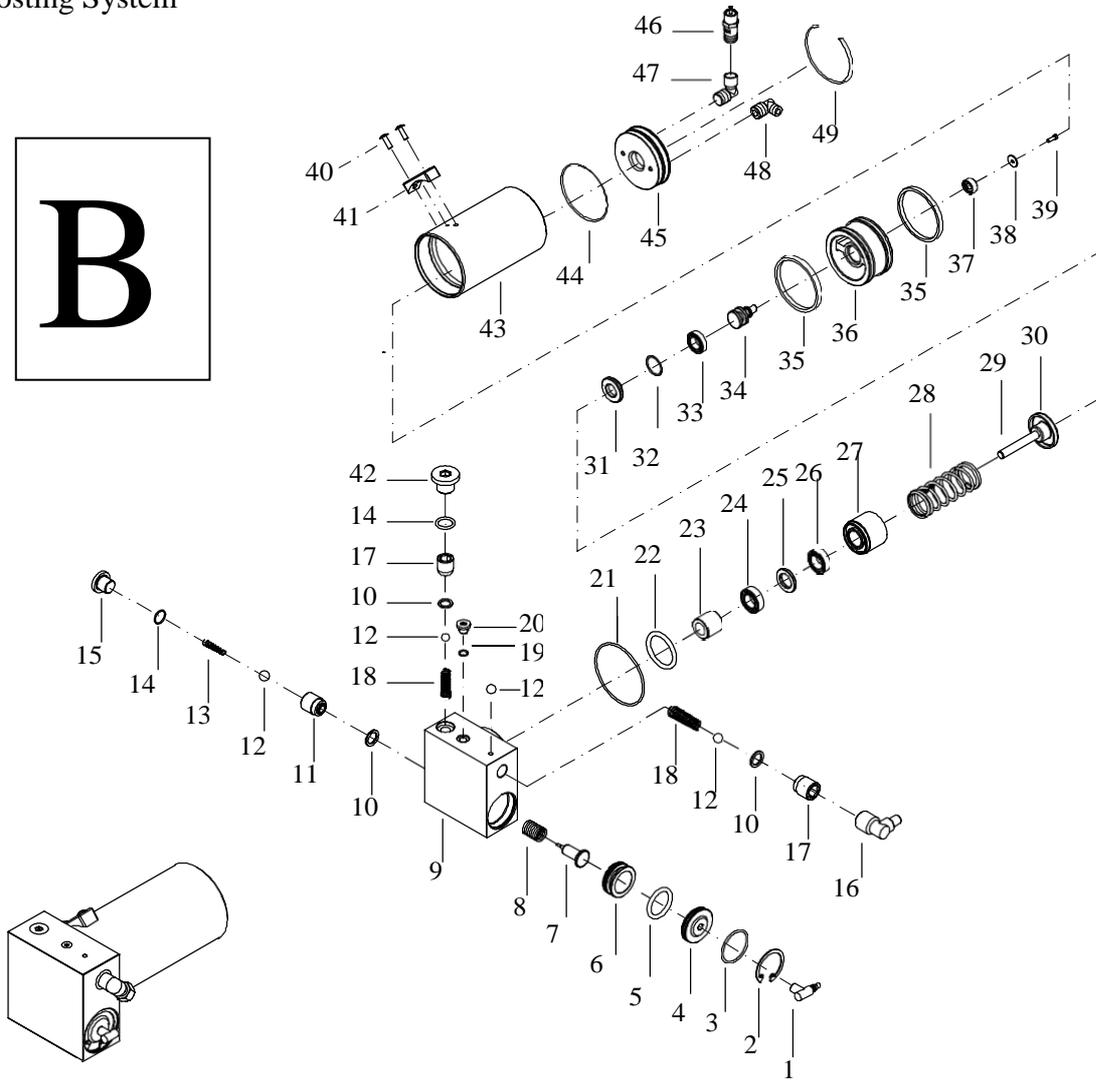
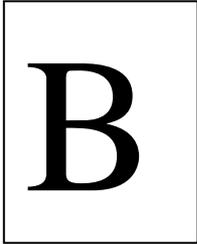
**WINDPIPE  
CONNECTION**



Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY
1		Extension Rod 20mm	1	10		Adaptor	4	19		Windpipe	1
2		Extension Rod 40mm	1	11		Adaptor	1	20		Oil Cylinder	1
3		Extension Rod 80mm	1	12		Adaptor	2	21		M10 Spring Gasket	4
4		Operation Rod(VG)	1	13		Lock Code	2	22		M10 Screw	4
5		M10 Bolt	2	14		Windpipe	1	23		M8 Screw	4
6		M10 Screw	2	15		Oil Pipe	1	24		M8 Spring Gasket	4
7		M10 Gasket	2	16		Windpipe	1				
8		Screw thread insert	2	17		Boosting System-D70	1				
9		Adaptor	1	18		O Ring	1				

**FPL-402 EXPLODED VIEW  
Picture A**

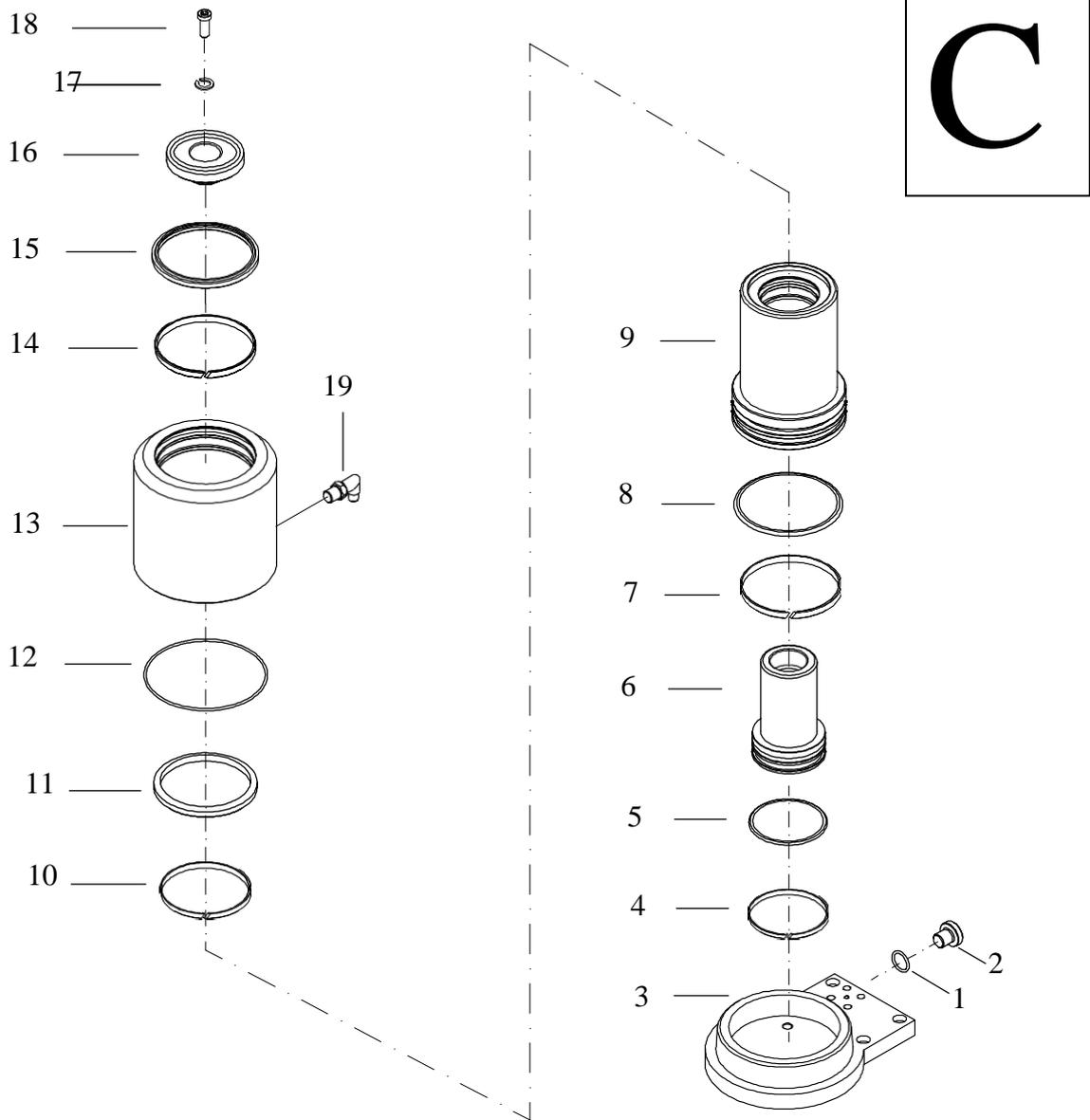
Boosting System



Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY
1		Adaptor	1	18		Spring	2	35		Glgy Ring	2
2		Retaining Ring	1	19		O Ring	1	36		Piston	1
3		O Ring	1	20		Screw-plug	1	37		Sealing Gasket	1
4		Piston Cover	1	21		O Ring	1	38		Strengthened Piece	1
5		O Ring	1	22		O Ring	1	39		Screw	1
6		Fuel Return Piston	1	23		Shaft Sleeve	1	40		Screw	2
7		Fuel Return Thimble	1	24		IDI-9*19*8	1	41		Vent Cover	1
8		Fuel Return Spring	1	25		Pump Gasket	1	42		Screw-plug	1
9		Hydraulic Intergration	1	26		IDI-9*17*5	1	43		Boosting cylinder	1
10		Gasket	3	27		Hydraulic Pump	1	44		O Ring	1
11		Screw-plug	1	28		Spring	1	45		Cover	1
12		Steel Ball	4	29		Piston rod	1	46		Safe Valve	1
13		Spring	1	30		Cover	1	47		Adaptor	1
14		O Ring	2	31		Cover	1	48		Adaptor	1
15		Screw-plug	1	32		O Ring	1	49		Retaining Ring	1
16		Adaptor	1	33		Sealing kit	1				
17		Screw-plug	2	34		Piston	1				

Boosting System Drawings  
 Picture B

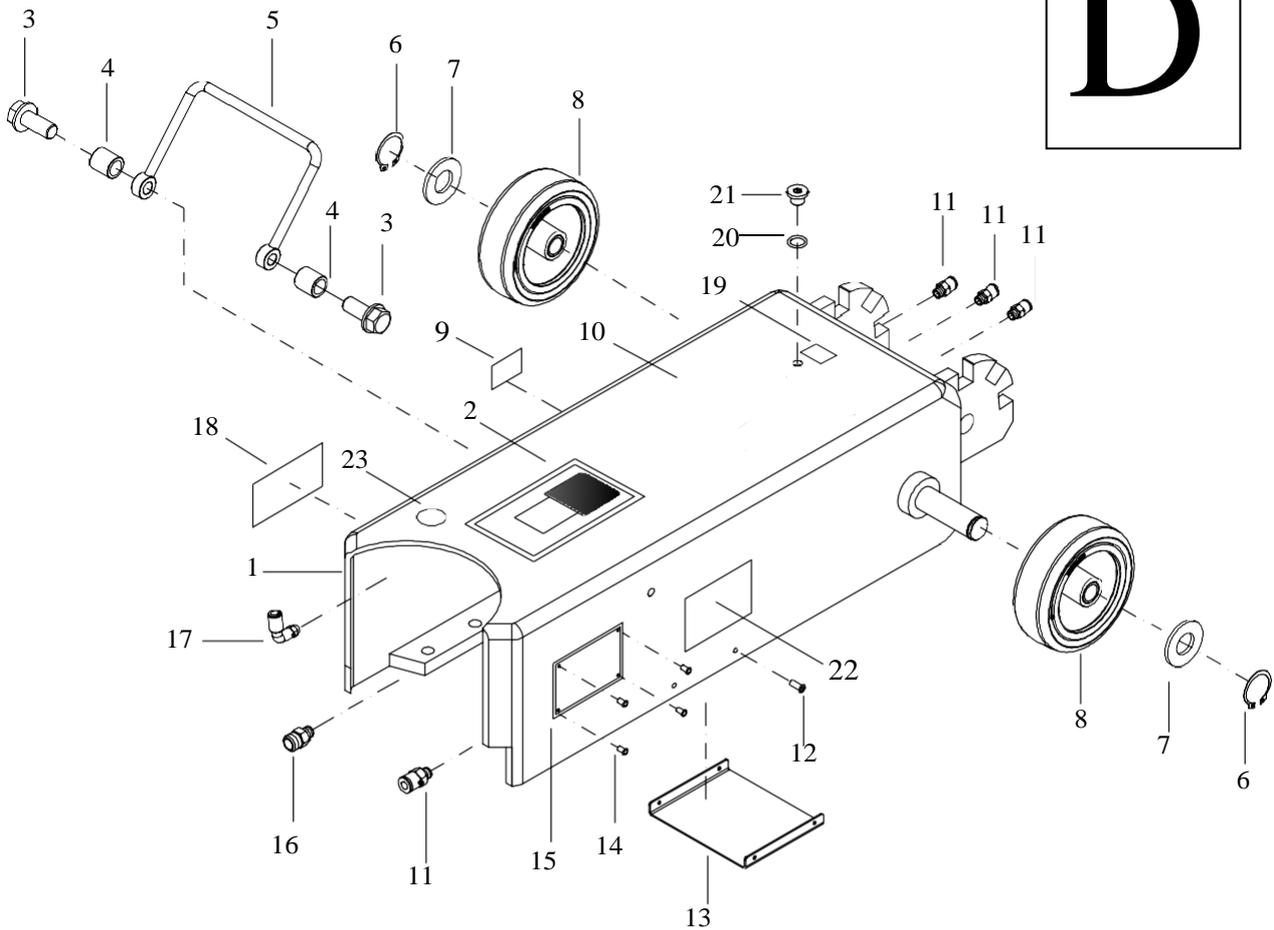
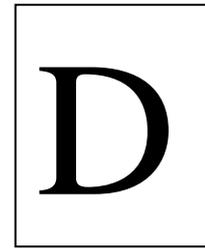
## FPL-402 Oil Cylinder



QTY	No.	PART NAME	QTY	QTY	No.	PART NAME	QTY
1		O Ring	1	11		Dustband	1
2		Screw-plug	1	12		O Ring	1
3		Bottom	1	13		Oil Cylinder	1
4		Wearing Ring	1	14		Wearing Ring	1
5		Glyd Ring	1	15		Dustband	1
6		Piston	1	16		Short Extension Rod	1
7		Wearing Ring	1	17		M8 Spring Gasket	1
8		Glyd Ring	1	19		Adaptor	1
9		Oil Cylinder	1	18		Screw	1
10		Wearing Ring	1				

Oil Cylinder Drawings  
Picture C

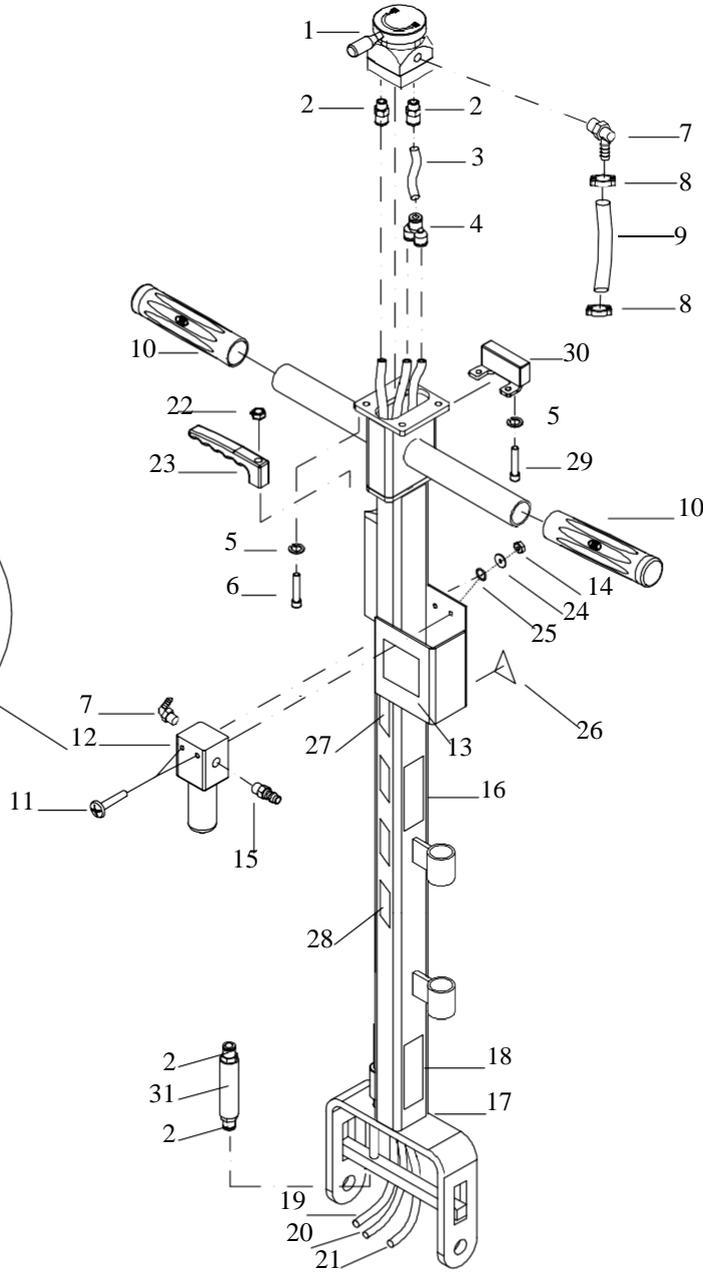
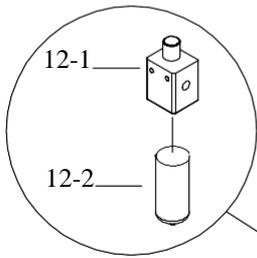
Frame (FPL-402)



Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY
1		Frame	1	14		Nail	4
2		Label	1	15		Nameplate	1
3		Screw	2	16		Adaptor	1
4		Screw-Plug	2	17		Adaptor	1
5		Handle	1	18		Label	1
6		Outer Retainer Ring	2	19		Label	1
7		Truckle Gasket	2	20		O Ring	1
8		Truckle	2	21		Screw-plug	1
9		Label	1	22		Label	1
10		Label	1	23		Label	1
11		Adaptor	4				
12		Screw	4				
13		Protected Plate	1				

Frame Drawings  
Picture D

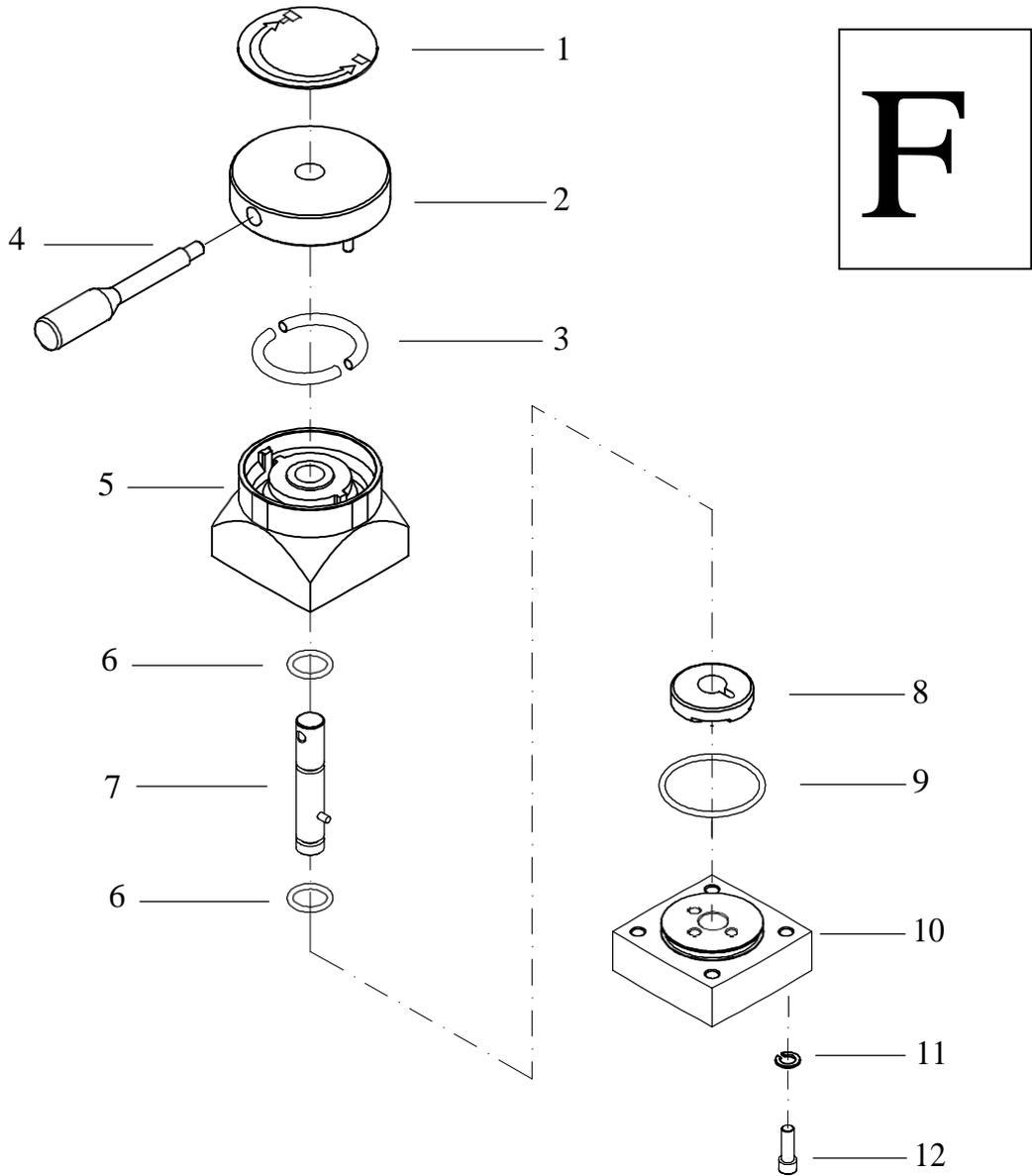
Operation Rod



Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY
1		Hand Valve	1	12		Filter	1	21		Windpipe	1
2		Adaptor	4	12-1		Valve Body	1	22		M8 Bolt	1
3		Windpipe	1	12-2		Glass	1	23		Handle	1
4		Adaptor	1	13		Filter Instruction	1	24		Spring Gasket	2
5		Spring Gasket	3	14		M5 Bolt	2	25		Gasket	2
6		Screw	1	15		Adaptor	1	26		Label	1
7		Adaptor	2	16		Label of Caution	1	27		Label	2
8		Lock Code	2	17		Frame of Operation Rod FL	1	28		Label	6
9		Oil Pipe	1	18		Instruction	1	29		Screw	2
10		Handle Cover	2	19		Windpipe	1	30		Bumper of operation rod	1
11		Screw	2	20		Windpipe	1	31		Oil mist resistance pot	1

Operation Rod Exploded View  
Picture E

Hand Valve



Code	No.	PART NAME	QTY	Code	No.	PART NAME	QTY
1		Label	1	8		Valve Core	1
2		Cover of Hand Valve	1	9		O Ring	1
3		Return Spring of Hand Valve	2	10		Conversion Base	1
4		Controlling Handle	1	11		Spring Gasket	1
5		Cover of Reversing Valve	1	12		Screw	1
6		O Ring	2				
7		Shaft	1				

Hand Valve  
Picture F