

Motor & Pump F / G

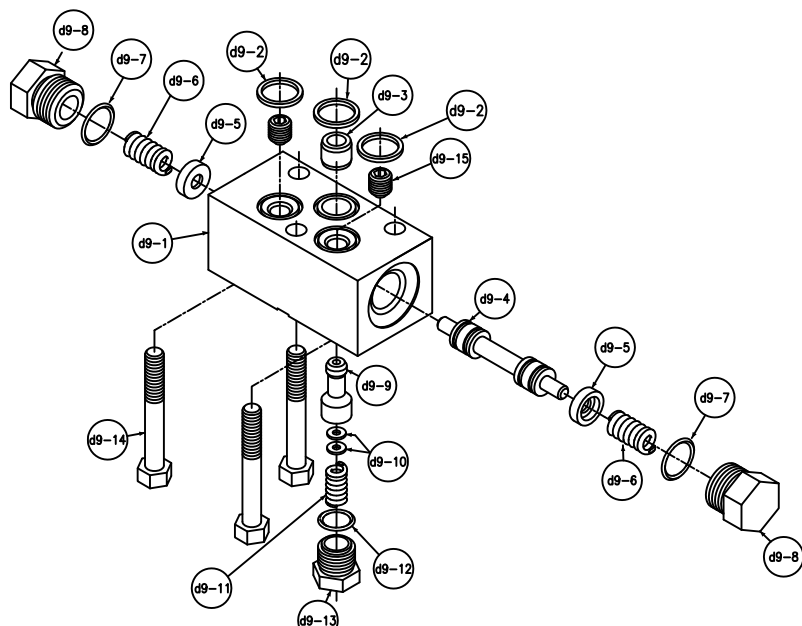
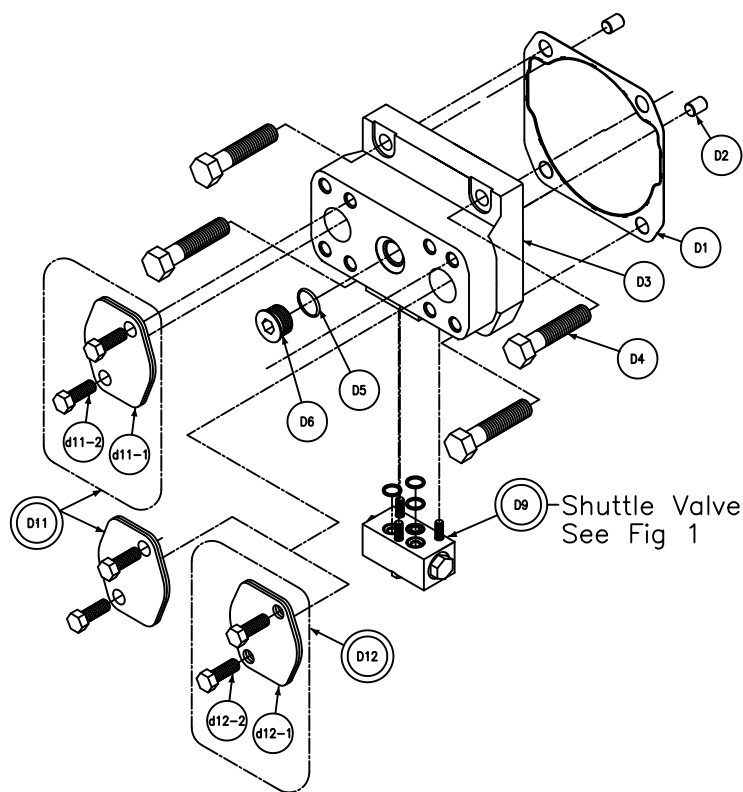


Fig 1
Shuttle Valve (Item D9)



Section D P/M6/7/8 F & G Port Block						
Balloon #	Pump/Motor	Type	Seal Code	Item #	Description	Qty
D1	P/M	F/G	**	033-91171-0	GASKET PORT BLOCK	1
D2	P/M	F/G	**	033-70509-0	DOWEL PIN	2
D3	M	F/G	**	033-59991-0	PORT BLOCK WITHOUT SHUTTLE PAD	1
	M	F/G	**	033-59992-0	PORT BLOCK WITHOUT SHUTTLE PAD	
	P	F	**	033-91214-0	PORT BLOCK WITHOUT SHUTTLE PAD	
D4	P/M	F/G	**	306-40181-0	HHCS 5/8-11 UNC x 2 1/2	1
D5	P/M	F/G	1	691-00912-0	O RING	1
			4	694-00912-0		
			5	675-00138-0		
D6	P/M	F/G	**	488-35014-0	PLUG	1
D9	M	G	**	See Kit P/N	HOT OIL SHUTTLE	N/A
	M	G	**	See Kit P/N	HOT OIL SHUTTLE WITH .078 ORIFICES	
	P/M	F	**	N/A	NOT AVAILABLE FOR **F** STYLE PUMPS & MOTORS	
d9-1	M	G	**	033-53117-0	SHUTTLE BODY	1
d9-2	M	G	1	691-10016-0	O RING	3
			4	694-10016-0		
			5	695-10016-0		
d9-3	M	G	**	033-53154-0	SEAT	1
d9-4	M	G	**	033-70529-0	SPOOL	1
d9-5	M	G	**	033-70495-0	WASHER	2
d9-6	M	G	**	033-70515-0	SPRING	2
d9-7	M	G	1	691-00908-0	O RING	2
			4	694-00908-0		
			5	695-00908-0		
d9-8	M	G	**	033-93510-0	PLUG	2
d9-9	M	G	**	033-71925-0	SPOOL	1
d9-10	M	G	**	345-20004-0	SHIM WASHER	2
d9-11	M	G	**	033-71923-0	SPRING	1
d9-12	M	G	1	691-00906-0	O RING	1
			4	694-00906-0		
			5	695-00906-0		
d9-13	M	G	**	033-72129-0	PLUG	1
d9-14	M	G	**	306-40106-0	HHCS 5/16-18 UNC x 2	3
d9-15	M	G	**	033-53523-0	ORIFICE .078	2
D11	M	F/G	**	S13-26133-0	SHIPPING COVER 1 1/2	2
	P	F	**	S13-26133-0	SHIPPING COVER 1 1/2	1
d11-1	P/M	F/G	**	033-71083-0	SHIPPING COVER 1 1/2	1
d11-2	P/M	F/G	**	306-24160-0	HHCS 5/8-11 UNC x 1	2
D-12	P	F	**	S13-09338-0	SHIPPING COVER 1 1/2	1
d12-1	P	F	**	034-70034-0	SHIPPING COVER 2	1
d12-2	P	F	**	306-20120-0	HHCS 1/2-13 UNC x 3/4	2

Shuttle Assembly Kit (without orifices) The following Kit contain items d9-1 thru d9-14			
Pump/Motor	Type	Seal Code	Part Number
M	F/G/M/N	1	S13-48273-0
M	F/G/M/N	4	S13-48273-4
M	F/G/M/N	5	S13-48273-5

Shuttle Assembly Kit (with orifices) The following Kit contain items d9-1 thru d9-15			
Pump/Motor	Type	Seal Code	Part Number
M	F/G/M/N	1	S13-48776-0
M	F/G/M/N	4	N/A
M	F/G/M/N	5	S13-48776-5

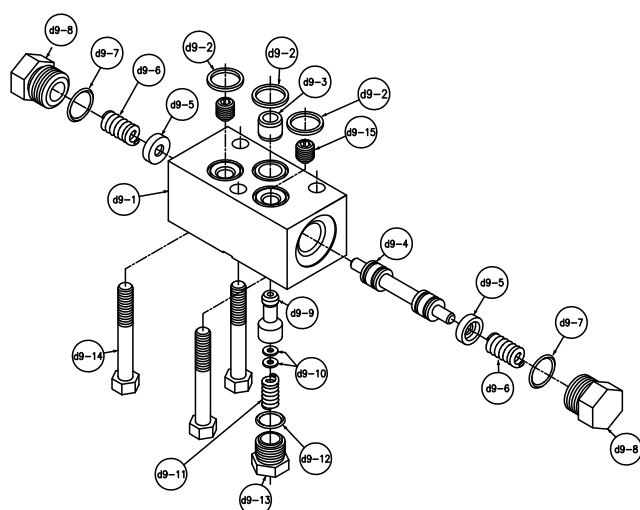
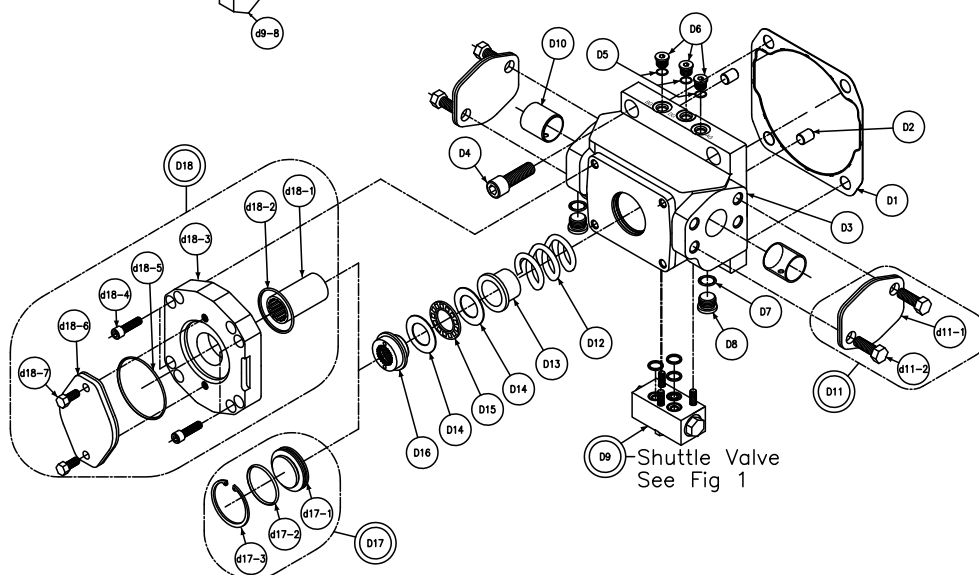


Fig 1
Shuttle Valve (Item D9)

Motor Type
M / N

Pump Type
M



Section D							
P/M6/7/8 Pump & Motor Type M & N Port Block Assembly							
Balloon #	Pump/Motor	Type	Shuttle Valve Features	Seal Code	Item #	Description	Qty
D1	P/M	M/N	**	**	033-91171-0	GASKET PORT BLOCK	1
D2	P/M	M/N	**	**	033-70509-0	DOWEL PIN	2
D3	P/M	M	**	**	033-93711-0	PORT BLOCK W/O SHUTTLE PAD	1
	M	N			033-93649-0	PORT BLOCK W/ SHUTTLE PAD	
D4	P/M	M/N	**	**	358-24220-0	SHCS 5/8-11 UNC x 1 3/4	4
D5	P/M	M/N	**	1	691-00906-0	GASKET O RING	3
				4	694-00906-0		
				5	695-00906-0		
D6	P/M	M/N	**	**	488-35014-0	PLUG HEX SOC SAE-6	3
D7	P/M	M/N	**	1	691-00910-0	GASKET O RING	2
				4	694-00910-0		
				5	695-00910-0		
D8	P/M	M/N	**	**	488-35055-0	PLUG HEX SOC SAE-10	2

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Section D							
P/M6/7/8 Pump & Motor Type M & N Port Block Assembly							
Balloon #	Pump/Motor	Type	Shuttle Valve Features	Seal Code	Item #	Description	Qty
D9	M	N	00	**	S13-48273-0	ASSY SHUTTLE W/O ORIFICES	1
			02	**	S13-48776-0	ASSY SHUTTLE W/ .078 ORIFICES	
d9-1	M	N	00/02	**	033-53117-0	SHUTTLE BODY	1
d9-2	M	N	00/02	1	691-10016-0	O RING	3
			00/02	4	674-10016-0		
			00/02	5	695-20016-0		
d9-3	M	N	00/02	**	033-53154-0	SEAT	1
d9-4	M	N	00/02	**	033-70529-0	SPOOL	1
d9-5	M	N	00/02	**	033-70495-0	WASHER	2
d9-6	M	N	00/02	**	033-70515-0	SPRING	2
d9-7	M	N	00/02	1	691-00908-0	O ring	2
			00/02	4	674-00908-0		
			00/02	5	695-00908-0		
d9-8	M	N	00/02	**	033-93510-0	PLUG	2
d9-9	M	N	00/02	**	033-71925-0	SPOOL	1
d9-10	M	N	00/02	**	345-20004-0	SHIM WASHER	2
d9-11	M	N	00/02	**	033-71923-0	SPRING	1
d9-12	M	N	00/02	**	691-00906-0	O RING	1
			00/02	**	674-00906-0		
			00/02	**	695-00906-0		
d9-13	M	N	00/02	**	033-72129-0	PLUG	1
d9-14	M	N	00/02	**	306-40106-0	HHCS 5/16-18 UNC x 2	3
d9-15	M	N	02	**	033-53523-0	ORIFICE .078	2
D10	M	M/N	**	**	033-57893-0	SLEEVE SOLID	2
D11	P/M	M/N	**	**	S13-26133-0	ASSY SHIPPING COVER 1 1/2	2
d11-1	P/M	M/N	**	**	033-71083-0	SHIPPING COVER 1 1/2	2
d11-2	P/M	M/N	**	**	306-24160-0	HHCS 5/8-11 UNC x 1	4
D12	P/M	M/N	**	**	033-57400-0	SPRING HOLDDOWN	1
D13	P/M	M/N	**	**	033-57401-0	STOP, HOLDDOWN	1
D14	P/M	M/N	**	**	350-10114-0	WASHER, THRUST	2
D15	P/M	M/N	**	**	230-82195-0	BEARING, THRUST	1
D16	P/M	M/N	**	**	033-57396-0	NUT, HOLDDOWN	1

M Operating Cover				
Balloon #	Seal Code	Item #	Description	Qty
D17	1	S23-17638-0	ASSY END BLANKING COVER	1
	4	S23-17638-4		
	5	S23-17638-5		
d17-1	**	033-71059-0	COVER BLANKING END	1
d17-2	1	671-00138-0	O RING	1
	4	674-00138-0		
	5	675-00138-0		
d17-3	**	356-65083-0	RING RETAINING	1

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