

EXPLODED VIEW & PARTS LISTING

Air Operated Double Diaphragm Pump

Model: NDP-50FAS
Model#: 854251-TPO



To Purchase:

☎ 800-990-7867

✉ sales@yamadapump.com

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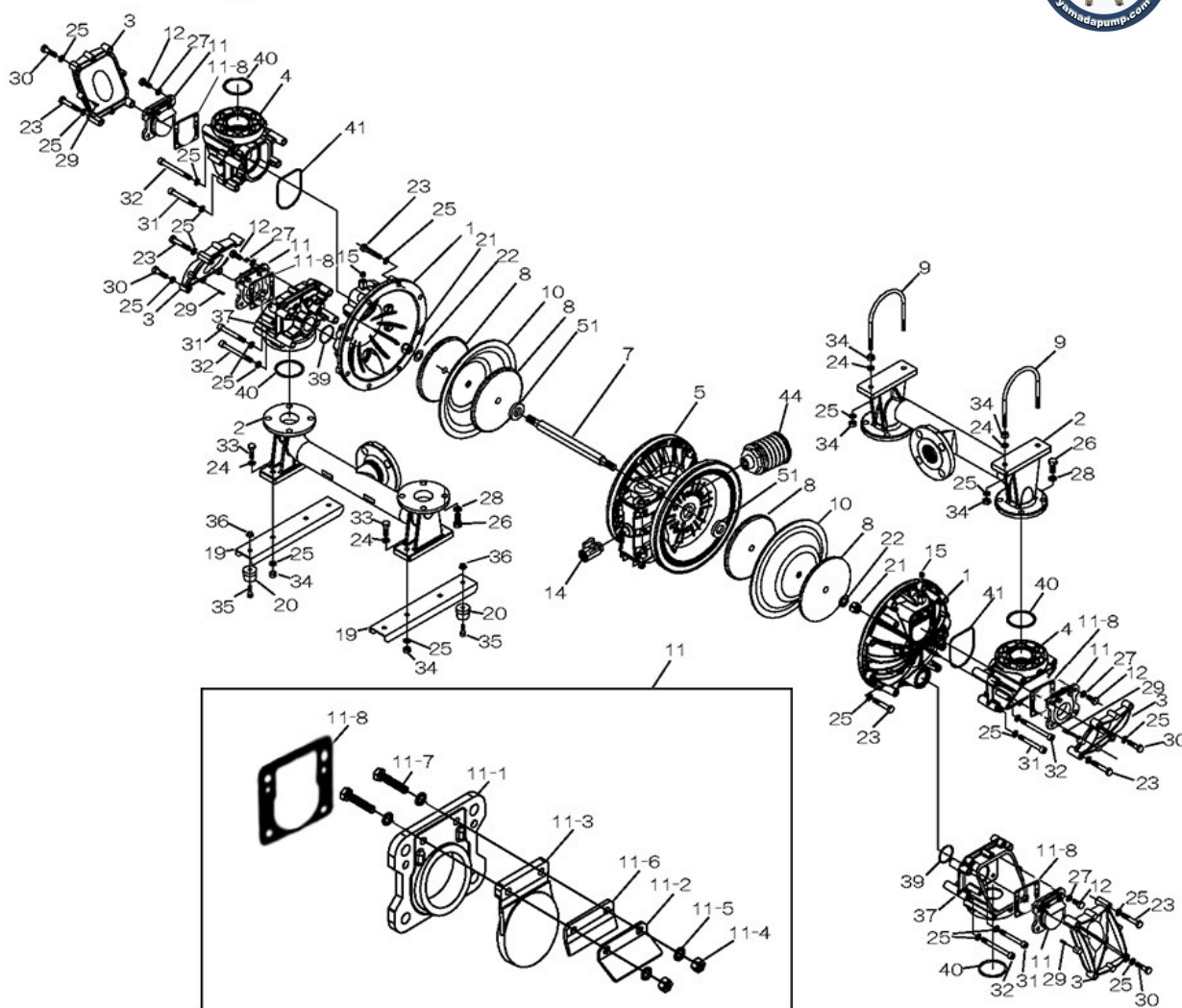
More Information:

▶ YouTube: [@yamadapump](#)

🌐 yamadapump.com

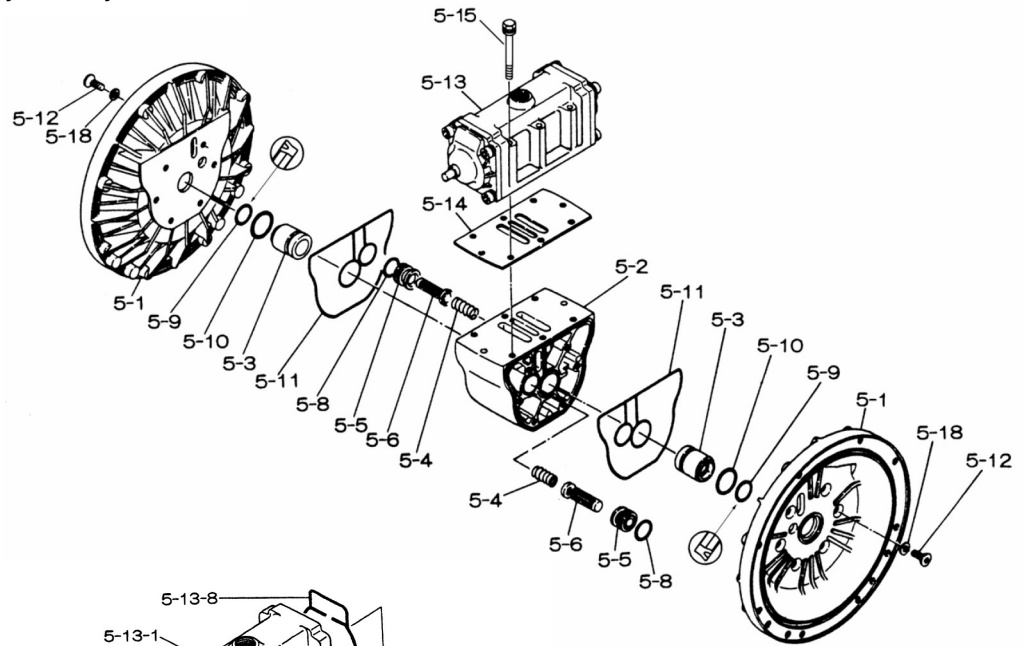
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[Literature](#) | [BOM](#) | [Performance Curves](#)

Trial Program

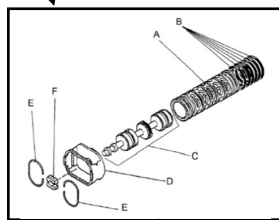
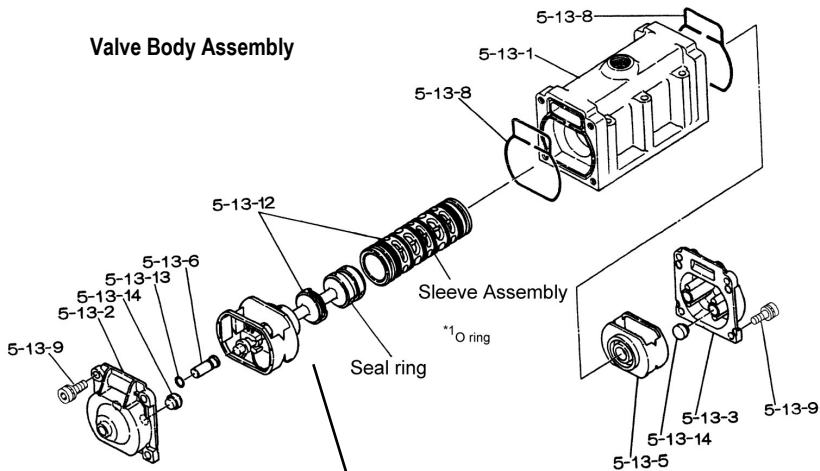


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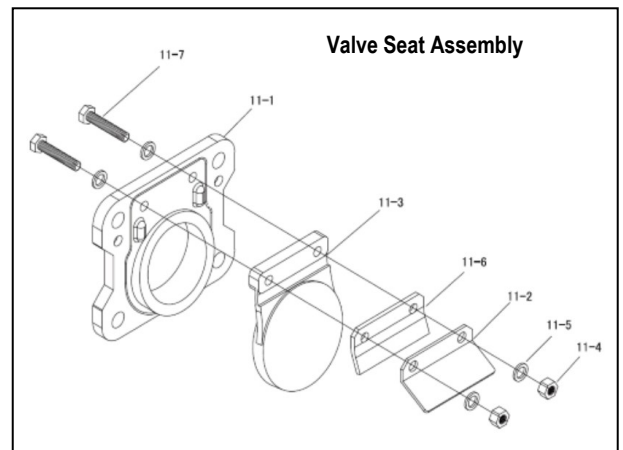
Center Body Assembly



Valve Body Assembly



Valve Seat Assembly



Air Operated Double Diaphragm Pump

REF. NO.	PART NO	DESCRIPTION	QTY.
1	716032	OUT CHAMBER	2
2	715767	IN MANIFOLD	2
3	795117	VALVE CASE COVER	4
4	716030	IN VALVE CASE	2
5	804719	CENTER BODY ASSEMBLY	1
5- 1	711934	AIR CHAMBER	2
5- 2	711936	BODY	1
5- 3	780325	THROAT BEARING	2
5- 4	711937	PILOT VALVE SPRING	2
5- 5	771740	PILOT VALVE SEAT	2
5- 6	832163	PILOT VALVE ASSEMBLY	2
5- 8	640020	O-RING	2
5- 9	685444	V-PACKING	2
5-10	640029	O-RING	2
5-11	771742	GASKET	2
5-12	683812	FLAT SOCKET	12
5-13	802971	VALVE BODY ASSEMBLY	1
5-13-1	711931	VALVE BODY	1
5-13-2	580999	CAP A	1
5-13-3	581000	CAP B	1
5-13-5	771735	SPRING RETAINER	1
5-13-6	712976	RESET BUTTON	1
5-13-8	771738	GASKET	2
5-13-9	685036	SOCKET BOLT	8
5-13-12	805084	C-SPOOL ASSEMBLY	1
A	803675	SLEEVE ASSEMBLY	1
B	640036	O-RING	6
C	805085	SPOOL ASSY	1
D	771735	SPRING RETAINER	1
E	711932	C-SPRING	2
F	771734	BLOCK	1
5-13-13	640005	O-RING	1
5-13-14	684128	CUSHION	4
5-14	771712	GASKET	1
5-15	684240	BOLT W/WASHERS	6
5-18	684987	WASHER	12
7	711900	CENTER ROD	1
8	711904	CENTER DISK	4
9	686099	U BOLT	2
10	771976	DIAPHRAGM	2
11	804841-TPO	VALVE SEAT ASSEMBLY	4
11-1	795115-AL	VALVE SEAT	1
11-2	715765	VALVE STOPPER	1
11-3	795125-TPO	FLAP VALVE	1
11-4	685184	NUT	2
11-5	631172	PLAIN WASHER	4
11-6	773000	HINGE PAD	1
11-7	621106	BOLT	2
11-8	50FA01	GASKET FOR VALVE SEAT	4
12	621173	BOLT	16
14	686974	BALL VALVE	1
15	686100	PLUG	2

19	716078	PUMP BASE	2
20	771402	CUSHION	4
21	683408	NUT	2
22	682740	CONED DISK SPRING	2
23	686162	BOLT	24
24	631014	PLAIN WASHER	8
25	631917	SPRING LOCK WASHER	32
26	611197	BOLT	16
27	631937	WAVE WASHER	16
28	631918	WAVE WASHER	16
29	686169	PIN	8
30	611179	BOLT	8
31	619188	BOLT	8
32	686158	HEX SOCKET SCREW	8
33	611177	BOLT	4
34	627013	NUT	12
35	611149	BOLT	4
36	682276	NUT WITH FLANGE	4
37	716031	OUT VALVE CASE	2
39	640045	O-RING	2
40	683998	O-RING	4
44	804764	MUFFLER	1
41	772941	GASKET	2
51	770582	CUSHION	2
KIT	K50-FMS	LIQUID SIDE KIT	
KIT	K80-AM	AIR MOTOR KIT	

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General Tools:

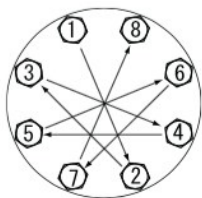
- Socket wrench - 10mm, 13mm, 17mm, 19mm, 24mm,
- Hexagonal box wrenches - 5mm, 6mm, 8mm, 1/4 inch
- Small crowbars - 2
- Snap ring pliers 10mm, 17mm, 19mm, 24mm
- Plastic Hammer

Special Tools:

- Sleeve remover 713180 to remove sleeve (sold separately)

Miscellaneous:

- Nuts - M16 x 1.5
- Urea grease grade (NLGI) No. 2 Center Rod (Ref#



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Customer Notes

Model #: _____
Description: _____
Serial #: _____
Date Installed: _____
Department Location: _____
Tag/Project: _____