

EXPLODED VIEW & PARTS LISTING

Air Operated Double Diaphragm Pump

Model: NDP-40BAT

Model#: 852222



To Purchase:

☎ 800-990-7867

✉ sales@yamadapump.com

📍 Find My Rep

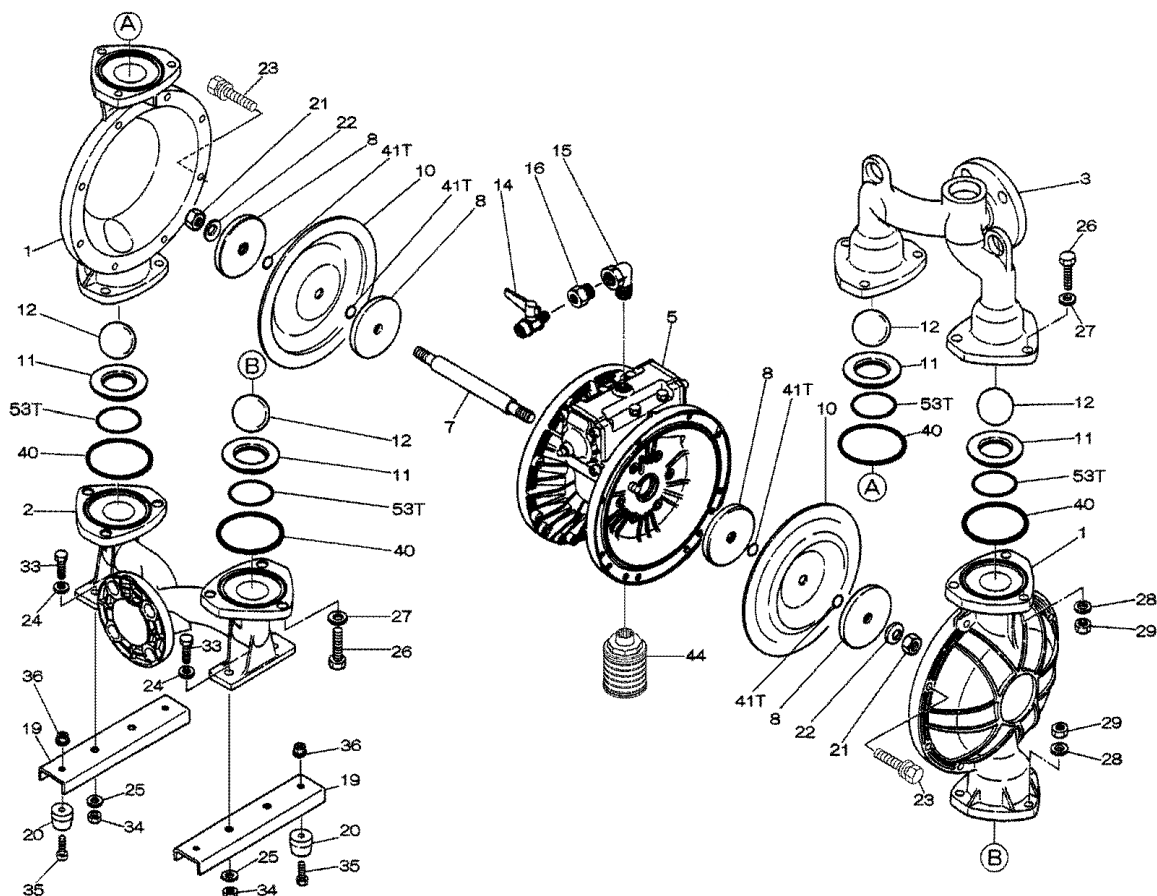
More Information:

▶ YouTube: @yamadapump

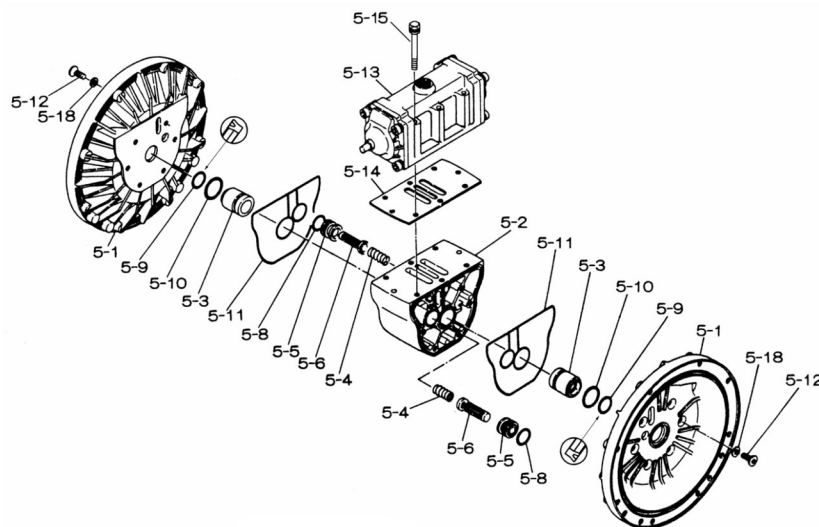
🌐 yamadapump.com

Data Sheets | CAD Drawings | Manuals
Literature | BOM | Performance Curves

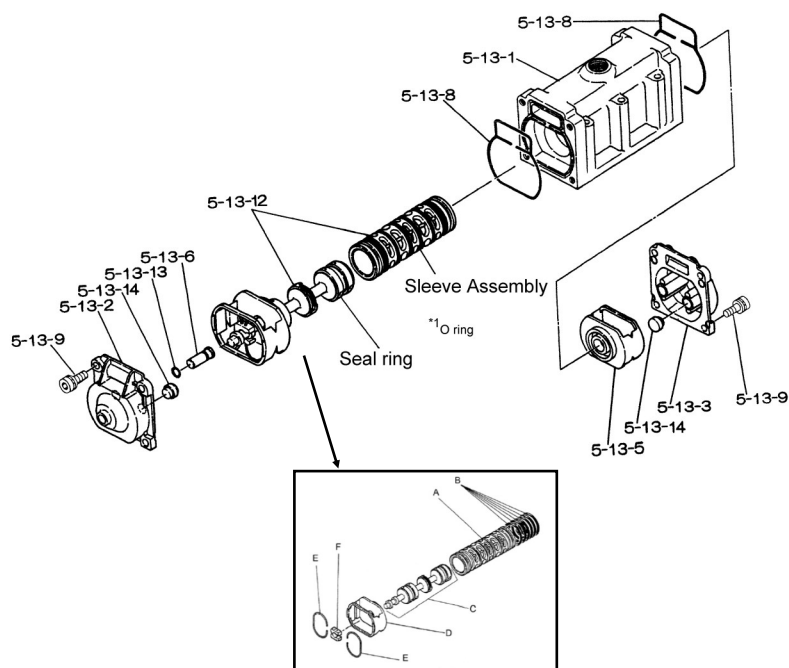
Trial Program



■Body Assembly



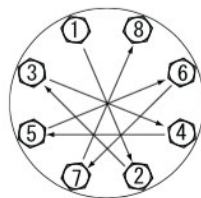
■Valve Body Assembly



Air Operated Double Diaphragm Pump

REF. No.	PARTS No.	DESCRIPTION	QTY.	REORDER
1	580960	OUT CHAMBER	2	
2	714367	IN MANIFOLD	1	
3	714361	OUT MANIFOLD	1	
5	803111	BODY	1	
5- 1	711933	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	832162	PILOT VALVE ASSY	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	M8X1.25X20 FLAT SOCKET	12	
5-13	802971	VALVE BODY ASSY	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 ASSY 40/50/80	1	
A	803675	SLEEVE ASSY	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 7.5MM X 2.0MM	1	
5-13-14	684128	CUSHION	4	
5-14	771712	GASKET FOR VALVE BODY	1	
5-15	684240	BOLT W/ WASHERS M8X85	6	
5-18	684987	WASHER	12	
7T	711939	CENTER ROD 40/50T	1	
8T	707817	CENTER DISK 40T INNER	4	
10	770814	DIAPHRAGM (PTFE)	2	
11	712382	VALVE SEAT 40AL	4	
12	770692	BALL	4	
14	686972	BALL VALVE	1	
15	682523	ELBOW	1	
16	684339	BUSHING	1	
19	711911	BASE	2	
20	771402	FOOT RUBBER	4	
21	706128	NUT M16X1.50 SS	2	
22	682740	WASHER M16 SS CONICAL	2	

REF. No.	PARTS No.	DESCRIPTION	QTY.	REORDER
23	686162	BOLT	16	
24	631014	WASHER FLAT M10 ZINC	4	
25	631917	WAVE WASHER M10	20	
26	611203	BOLT M12X1.75X50 ZINC	12	
27	631015	WASHER FLAT M12 ZINC D	12	
28	631918	WAVE WASHER	12	
29	627014	NUT M12X1.75 CT ZINC	12	
33	611175	BOLT M10 X 30 FT ZY	4	
34	627013	NUT M10 X 1.5 ZINC DIN	4	
35	611149	BOLT M8X1.25X25 FT ZIN	4	
36	682276	NUT W/ FLANGE M8 X 1.2	4	
40	643065	O RING 89.6MM X 5.7MM	4	
41T	643015	O RING 15.8MM X 2.4MM	4	
44	804764	SILENCER ASSY	1	
53T	643136	O RING	4	
KIT	K40-MT	LIQUID SIDE KIT		
KIT	K45-AM	AIR MOTOR KIT		

**Tightening torque for center rod and out chambers.**

Center Rod 43 ft-lbf {60 N-m}
Out Chambers 29 ft-lbf {40 N-m}

Tightening torque for manifold retainer bolts.

40BAT 15 ft-lbf {20 N-m}

General Tools:

- Socket wrenches - 24mm
- Hexagonal box wrench - 5mm, 6mm
- Open-end wrenches - 19mm, 24mm
- Plastic hammer

Special Tools:

- Sleeve remover (713180) used for removing the sleeve. (sold separately)

Miscellaneous:

- Assembly Oil - turbine oil none additional class 1 (equivalent to ISO VG32 grade)
- Nuts - M16 x 1.5
- Thread locker
- Urea grease grade (NLGI) No. 2

Customer Notes

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