

EXPLODED VIEW & PARTS LISTING

Air Operated Double Diaphragm Pump

Model: NDP-20BST-PP

Model #: 854077

(PTFE fitted w/non-metallic center body)



To Purchase:

☎ 800-990-7867

✉ sales@yamadapump.com

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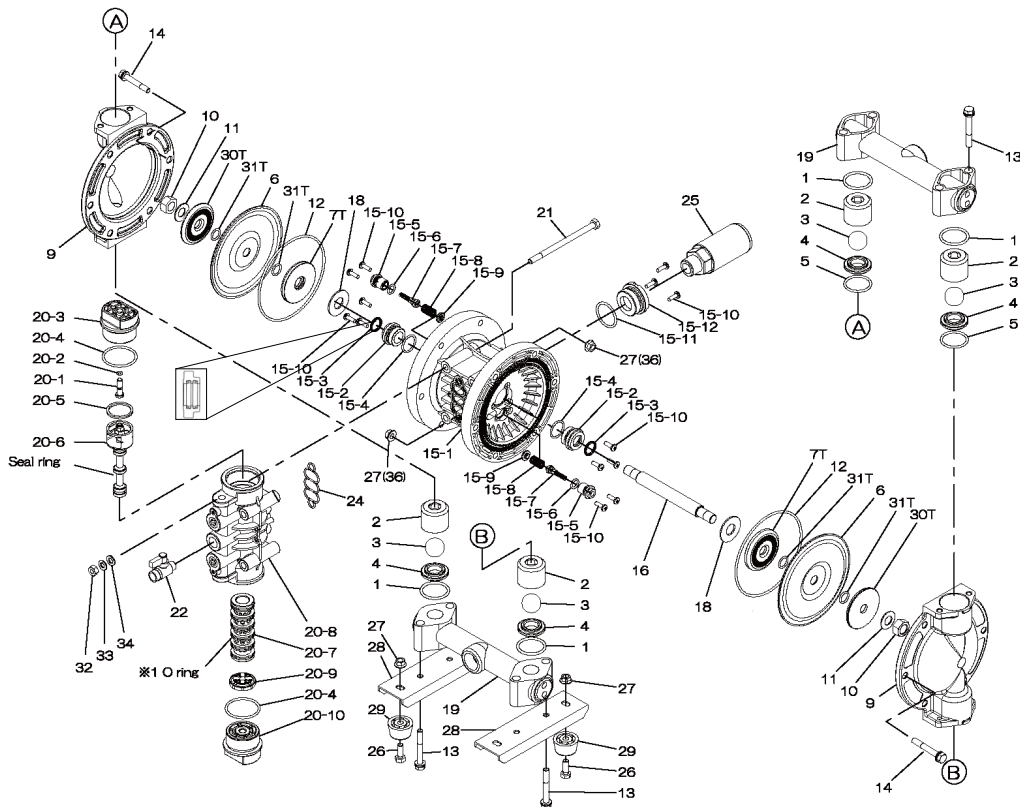
More Information:

▶ YouTube: @yamadapump

🌐 yamadapump.com

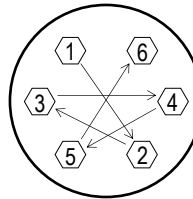
Data Sheets | CAD Drawings | Manuals Literature | BOM | Performance Curves

Trial Program



Air Operated Double Diaphragm Pump (PTFE fitted w/non-metallic center body)

REF. No.	PART No.	DESCRIPTION	QTY.	REORDER
1	643036	O-RING	4	
2	711701	BALL GUIDE	4	
3	770736	BALL	4	
4	711705	VALVE SEAT	4	
5	771131	O-RING	2	
6	771083	DIAPHRAGM	2	
7T	709456	CENTER DISK (AIR SIDE)	2	
9	711693	OUT CHAMBER	2	
10	682263	NUT	2	
11	682730	CONED DISK SPRING	2	
12	640151	O-RING	2	
13	621159	BOLT	8	
13	631936	WAVE WASHER	8	
14	621151	BOLT	12	
14	631936	WAVE WASHER	12	
15	804603	BODY ASSY.	1	
15-1	772928	BODY 20-PP	1	
15-2	780326	THROAT BEARING	2	
15-3	685414	V-PACKING	2	
15-4	685276	O-RING	2	
15-5	772932	VALVE SEAT	2	
15-6	640009	O-RING	2	
15-7	802360	PILOT VALVE ASSY.	2	
15-8	708666	SPRING	2	
15-9	772948	SPRING SEAT	2	
15-10	686030	TAPPING SCREW	13	
15-11	640132	O-RING	1	
15-12	772933	BUSHING	1	
16	709163	CENTER ROD	1	
18	771054	CUSHION	2	
19	831270	MANIFOLD	2	
20	804607	VALVE BODY ASSY.	1	
20-1	772991	RESET BUTTON	1	
20-2	640002	O-RING	1	
20-3	772946	CAP A	1	
20-4	640043	O-RING	2	
20-5	771241	PACKING	1	
20-6	802400	C-SPOOL ASSY.	1	
20-6-seal	771053	SEAL RING	5	
20-7	804609	SLEEVE ASSY.	1	
20-7-*1	686029	O-RING	6	
20-8	832903	VALVE BODY	1	
20-9	771914	CUSHION	1	
20-10	772947	CAP B	1	
21	686031	BOLT	6	
22	686968	BALL VALVE	1	
24	772848	GASKET	1	
25	804697	SILENCER	1	
26	611148	BOLT	4	
27	682276	NUT WITH FLANGE	4	
28	709157	PUMP BASE	2	
29	770551	CUSHION	4	
30T	709326	CENTER DISK (LIQUID SIDE)	2	
31T	643013	O-RING	4	
32	687229	NUT	4	
33	681300	SPRING WASHER	4	
34	631329	FLAT WASHER	4	
KIT	K20-MT-1	LIQUID END		
KIT	K225-AP	AIR MOTOR		



Tightening torque for center rod and out chambers.

Center Rod 29 ft-lbf {40 N-m}
Out Chambers 10 ft-lbf {13 N-m}

Tightening torque for manifold retainer bolts.
20BST-PP 15 ft-lbf {20 N-m}

General Tools:

- Socket wrench - 10mm, 12mm, 13mm, 17mm, 22mm
- Hexagonal box wrench - 5mm
- Open-end wrench - 12mm, 13mm, 22mm
- Adjustable angle wrenches
- Phillips head screw driver

Special Tool (sold separately):

- Sleeve remover (713148)

Miscellaneous:

- Assembly Oil - turbine oil class 1 - no additives (equivalent to ISO VG32 grade)
- Nuts - M14 x 1.5
- Urea grease grade (NLGI) No. 2

Customer Notes

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