

EXPLODED VIEW & PARTS LISTING

Air Operated Double Diaphragm Pump

Model: DP-50BST-HD (XDP)
Part# 854431 (FLANGE)



To Purchase:

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✉ sales@yamadapump.com

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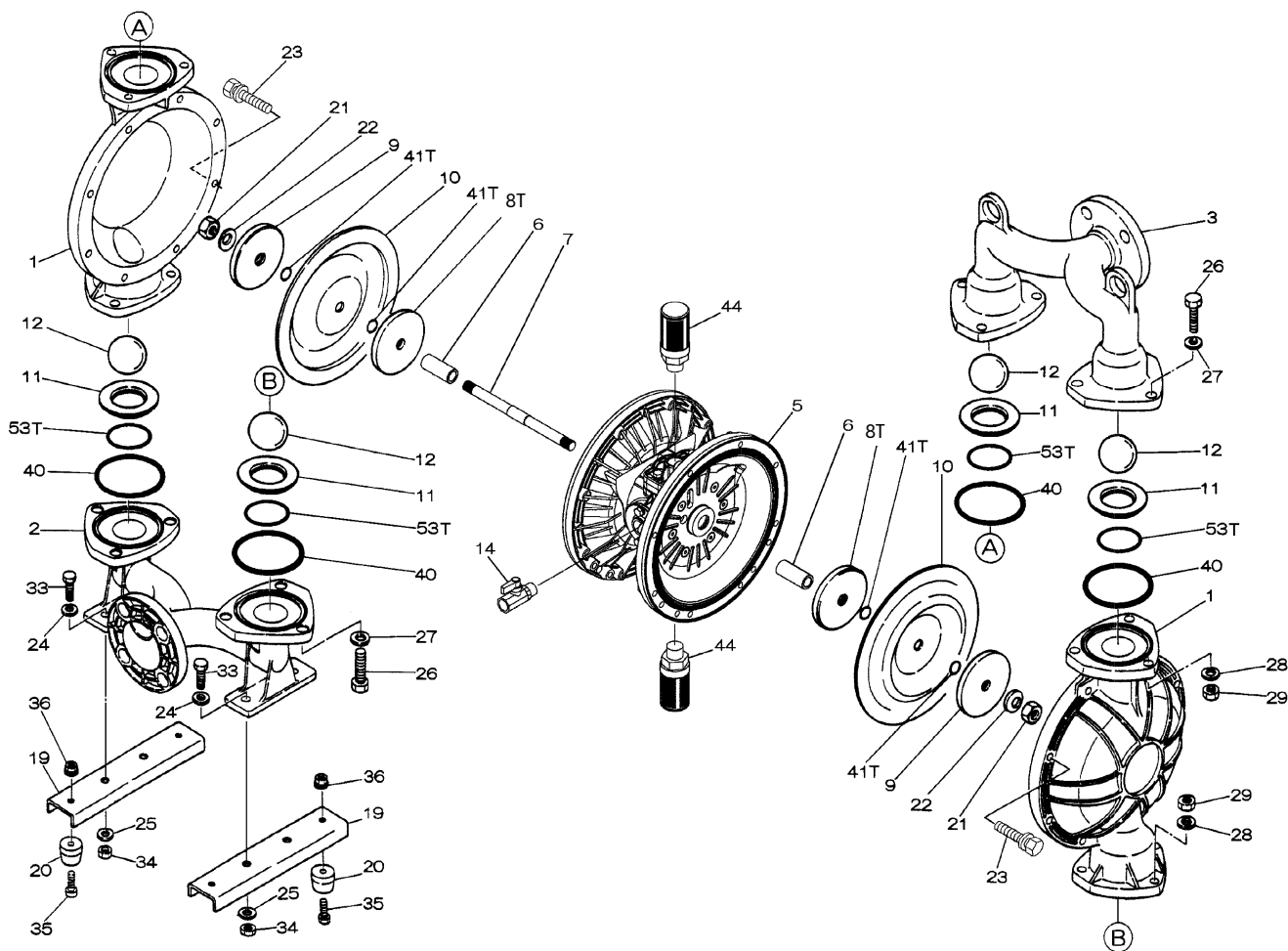
More Information:

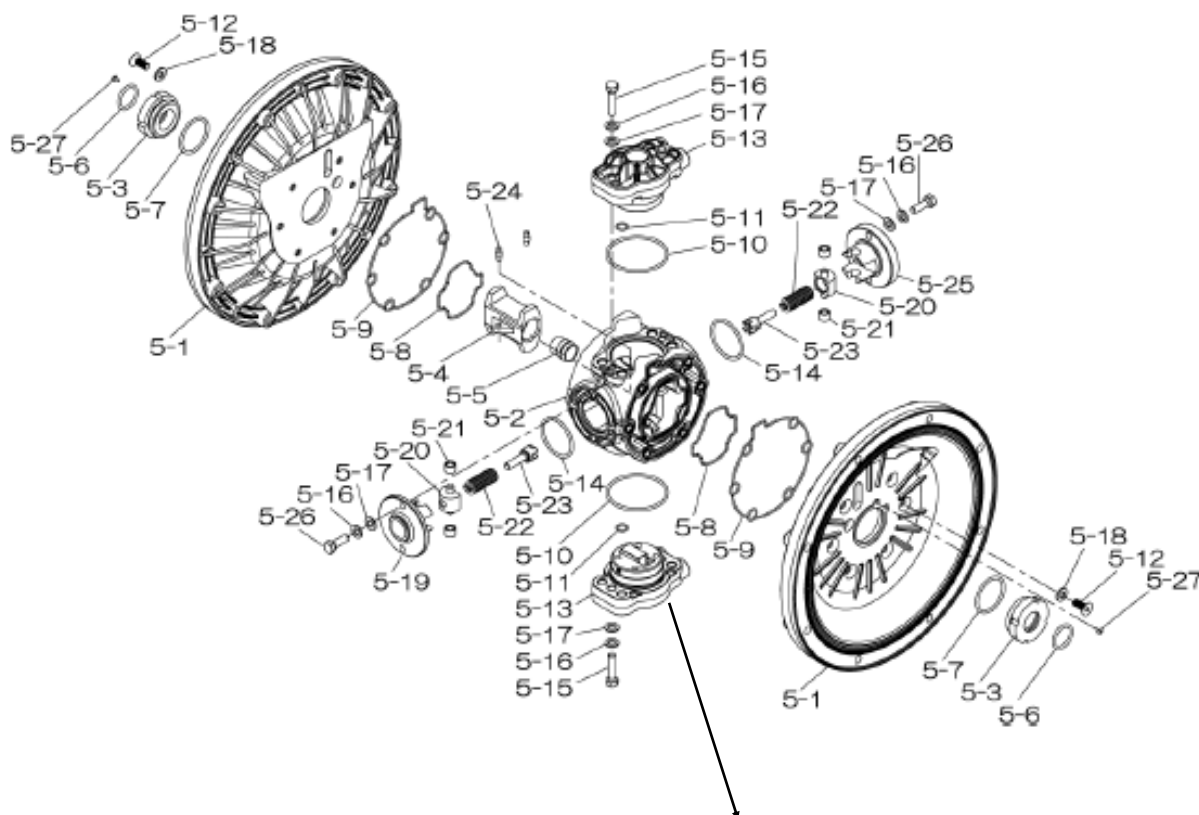
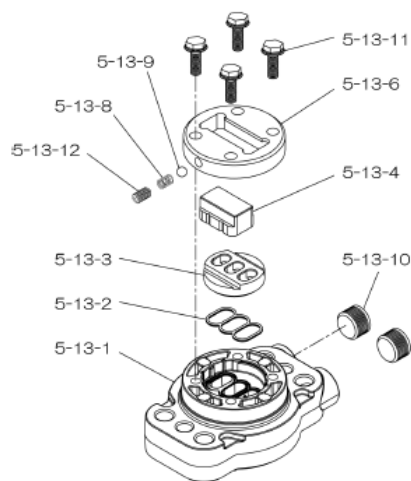
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Trial Program



804853 Center Body Assembly**804784 Valve Body Assembly**

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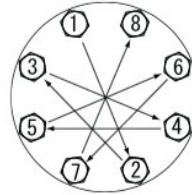
Part#: 854438 (NPT)

Part# 854431 (FLANGE)



REF. NO.	PARTS NO.	DESCRIPTION	QTY.
1	712932	OUT CHAMBER	2
2	712557	IN MANIFOLD FLG	1
3	712556	OUT MANIFOLD FLG	1
5	804853	CENTER BODY ASSY	1
5-1	716247	AIR CHAMBER	2
5-2	716256	BODY	1
5-3	773095	THROAT BEARING	2
5-4	716214	SHUTTLE	1
5-5	773047	CENTER ROD GUIDE	1
5-6	640023	O RING	2
5-7	640133	O RING	2
5-8	773040	GASKET	2
5-9	773041	GASKET	2
5-10	640138	O RING	2
5-11	640007	O RING	8
5-12	683812	FLAT SOCKET	12
5-13	804784	VALVE BODY ASSY	2
5-13-1	715244	VALVE BODY	1
5-13-2	773042	GASKET	2
5-13-3	716246	SEAT	1
5-13-4	773425	BLOCK	1
5-13-6	773426	GUIDE PLATE	1
5-13-8	706612	SPRING INK	1
5-13-9	686271	BALL	1
5-13-10	772934	PLUG	2
5-13-11	602300	TAPPING BOLT	4
5-13-12	610025	HEX. SOCKET HEAD SCREW	1
5-14	640134	O RING	2
5-15	611153	BOLT	4
5-16	631420	SPRING WASHER	8
5-17	631013	WASHER FLAT	8
5-18	684987	WASHER	12
5-19	716249	RETAINER	1
5-20	613620	SPRING GUIDE	2
5-21	773067	BUSH	4
5-22	684537	SPRING	2
5-23	714446	TRIP ARM	2
5-24	770231	PIN	2
5-25	716216	RETAINER	1
5-26	611149	BOLT	4
5-27	686337	TAPPING SCREW	2
6	716399	CENTER BUSH	2
7	716404	CENTER ROD	1
8T	707822	CENTER DISK	2
9	707823	CENTER DISK	2
10	770815	DIAPHRAGM	2
11	711909	VALVE SEAT	4
12	770693	BALL	4
14	686974	BALL VALVE	1
19	711928	BASE	2
20	771402	FOOT RUBBER	4
21	706128	NUT	2
22	682740	WASHER	2
23	621180	BOLT	16
24	631174	WASHER FLAT	4
25	631937	WAVE WASHER	20

26	621202	BOLT	12
27	631175	WASHER FLAT	12
28	631938	WAVE WASHER	12
29	628014	NUT	12
33	621175	BOLT	4
34	628013	NUT	4
35	611149	BOLT	4
36	682276	NUT W/FLANGE	4
40	643069	O RING	4
41T	643015	O RING	4
44	804697	MUFFLER	2
53T	643139	O RING	4
KIT	K50-MT	LIQUID SIDE KIT	
KIT	K45-AM-DP-HD	AIR MOTOR KIT	


[CLICK HERE FOR TORQUE](#)
**General Tools:**

- Socket wrench - 24mm, 13mm, 17mm, 19mm
- Hexagonal box wrench - 3mm, 5mm
- Open-end wrenches - 19mm, 24mm
- Phillips head screw driver

Special Tools:

- Socket (804129) for a guide to remove the throat bearing (sold separately)

Miscellaneous:

- Assembly Oil - Turbine oil class 1 - no additives (equivalent to ISO VG32 grade)
- Nuts - M16 x 1.5
- Thread locker
- Urea grease grade (NLGI) No. 2 for Center Rod (Ref# 7), Shell Alvania Grease S1

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Customer Notes

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

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