EXPLODED VIEW & PARTS LISTING

Air Operated Double Diaphragm Pump

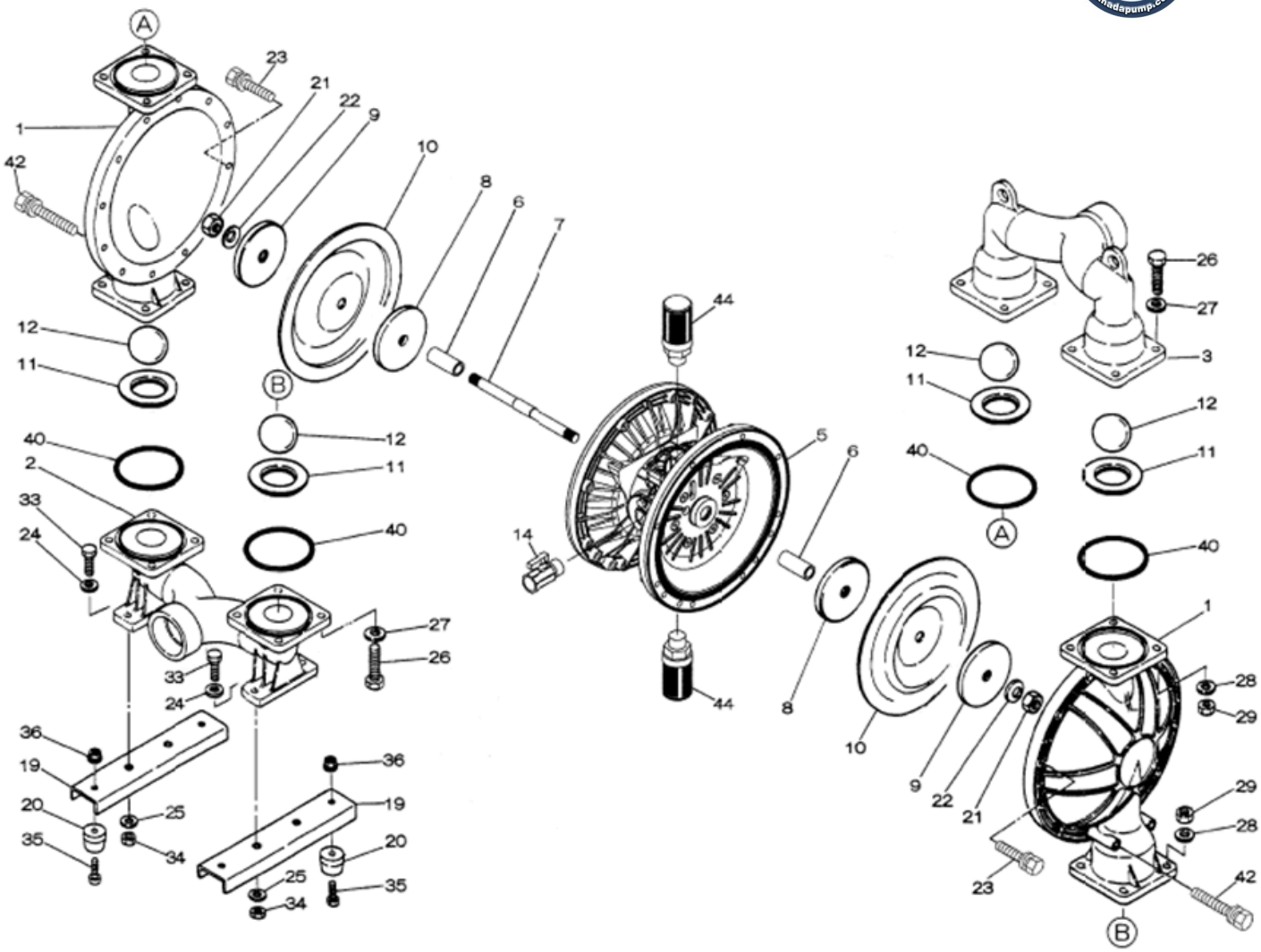
Model: DP-80BF[X]-HD
Cast Iron Series



To Purchase:
800-990-7867
sales@yamadapump.com
Find My Rep

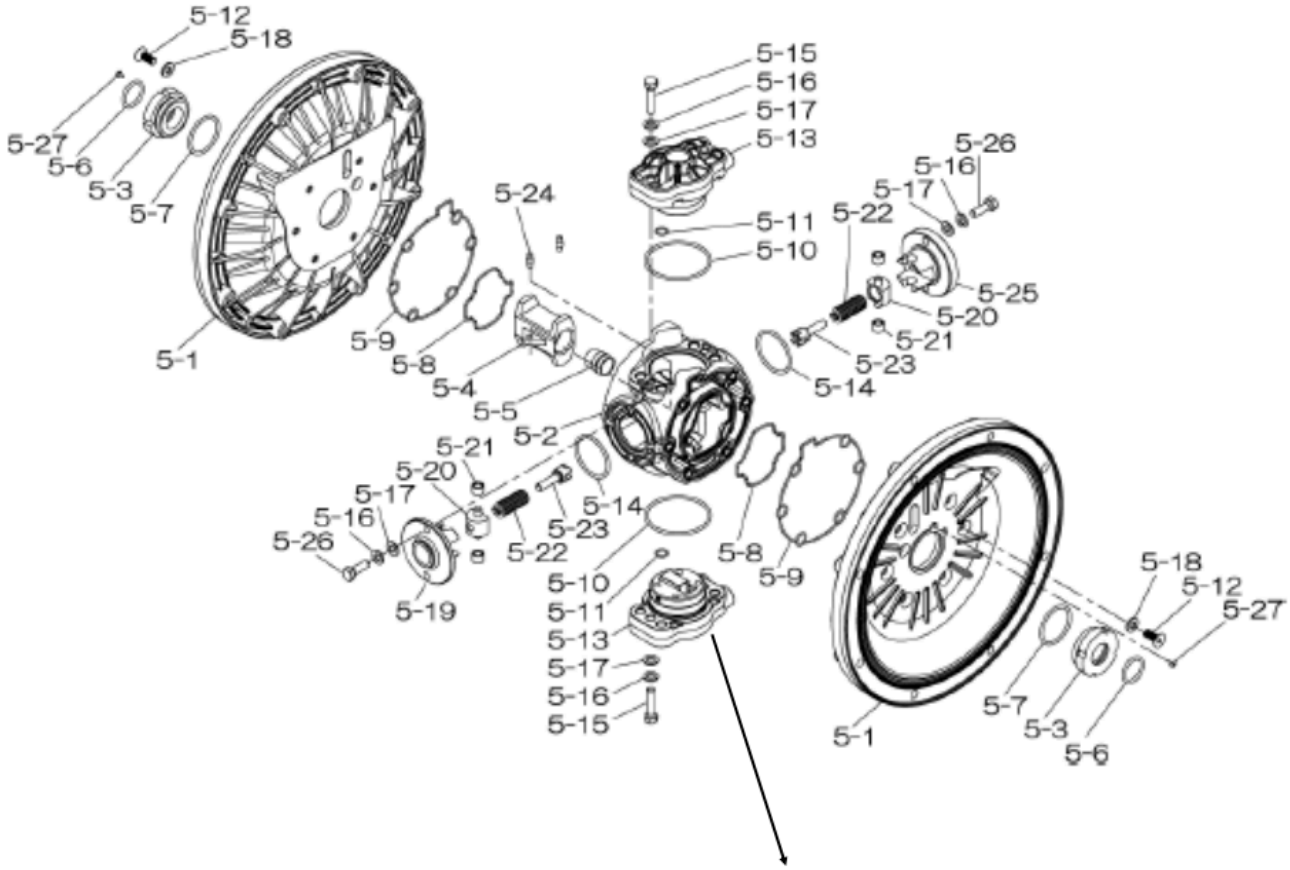
More Information:
YouTube: @yamadapump
yamadapump.com
Data Sheets | CAD Drawings | Manuals
Literature | BOM | Performance Curves

Trial Program

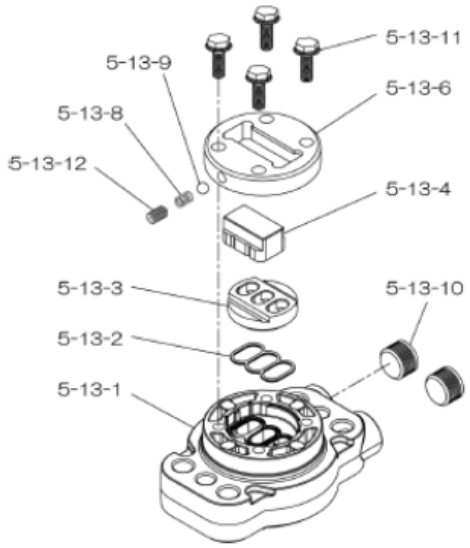


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804780 Center Body Assembly



804784 Valve Body Assembly



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	DP-80BFC-HD	DP-80BFN-HD	DP-80BFS-HD	DP-80BFE-HD	DP-80BFH-HD	DP-80BFV-HD		
	854531	854532	854537	854533	854536	854534		
REF. No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	DESCRIPTION	QTY.
1	713158	713158	713158	713158	713158	713158	OUT CHAMBER 80FC	2
2	713170	713170	713170	713170	713170	713170	IN MANIFOLD 80FC	1
3	713167	713167	713167	713167	713167	713167	OUT MANIFOLD 80FC	1
5	804780	804780	804780	804780	804780	804780	CENTER BODY ASSY DP-80-HD	1
5- 1	716248	716248	716248	716248	716248	716248	AIR CHAMBER	2
5- 2	716256	716256	716256	716256	716256	716256	BODY	1
5- 3	773066	773066	773066	773066	773066	773066	THROAT BEARING	2
5- 4	716214	716214	716214	716214	716214	716214	SHUTTLE (CS)	1
5- 5	773047	773047	773047	773047	773047	773047	CENTER ROD GUIDE	1
5- 6	640023	640023	640023	640023	640023	640023	O RING	2
5- 7	640133	640133	640133	640133	640133	640133	O RING	2
5- 8	773040	773040	773040	773040	773040	773040	GASKET	2
5- 9	773041	773041	773041	773041	773041	773041	GASKET	2
5-10	640138	640138	640138	640138	640138	640138	O RING	2
5-11	640007	640007	640007	640007	640007	640007	O RING	8
5-12	683812	683812	683812	683812	683812	683812	FLAT SOCKET	12
5-13	804784	804784	804784	804784	804784	804784	VALVE BODY ASSY	2
5-13- 1	716244	716244	716244	716244	716244	716244	VALVE BODY	1
5-13- 2	773042	773042	773042	773042	773042	773042	GASKET	2
5-13- 3	716246	716246	716246	716246	716246	716246	SEAT	1
5-13- 4	773425	773425	773425	773425	773425	773425	BLOCK	1
5-13- 6	773426	773426	773426	773426	773426	773426	GUIDE PLATE	1
5-13- 8	706612	706612	706612	706612	706612	706612	SPRING INK	1
5-13- 9	686271	686271	686271	686271	686271	686271	BALL	1
5-13-10	772934	772934	772934	772934	772934	772934	PLUG	2
5-13-11	602300	602300	602300	602300	602300	602300	TAPPING BOLT	4
5-13-12	610025	610025	610025	610025	610025	610025	HEX. SOCKET HEAD SCREW	1
5-14	640134	640134	640134	640134	640134	640134	O RING	2
5-15	611153	611153	611153	611153	611153	611153	BOLT HEX FT	4
5-16	631420	631420	631420	631420	631420	631420	SPRING WASHER M8 ZINC	8
5-17	631013	631013	631013	631013	631013	631013	WASHER FLAT M8 ZINC DI	8
5-18	684987	684987	684987	684987	684987	684987	WASHER	12
5-19	716249	716249	716249	716249	716249	716249	RETAINER	1
5-20	713620	713620	713620	713620	713620	713620	SPRING GUIDE	2
5-21	773067	773067	773067	773067	773067	773067	BUSH	4
5-22	684537	684537	684537	684537	684537	684537	SPRING	2
5-23	714446	714446	714446	714446	714446	714446	TRIP ARM	2
5-24	700231	700231	700231	700231	700231	700231	PIN	2
5-25	716216	716216	716216	716216	716216	716216	RETAINER	1
5-26	611149	611149	611149	611149	611149	611149	BOLT FT ZIN	4
5-27	686337	686337	686337	686337	686337	686337	TAPPING SCREW	2
6	716253	716253	716253	716253	716253	716253	CENTER BUSH	2
7	716252	716252	716252	716252	716252	716252	CENTER ROD	1
8	711906	711906	711906	711906	711906	711906	CENTER DISK 80-R	2
9	713371	713371	713371	713371	713371	713371	CENTER DISK 80FC	2
10	771857	771704	771977	771858	771705	771801	DIAPHRAGM 80	2
11	771958	771996	772005	771999	771795	771998	VALVE SEAT 80	4
12	770559	770587	773174	770596	773144	770605	BALL 80	4
14	684322	684322	684322	684322	684322	684322	BALL VALVE 3/4"	1
19	711912	711912	711912	711912	711912	711912	BASE 80	2
20	771402	771402	771402	771402	771402	771402	FOOT RUBBER	4

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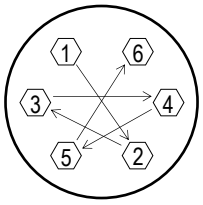
Model: DP-80BF[X]-HD
Cast Iron Series

	DP-80BFC-HD	DP-80BFN-HD	DP-80BFS-HD	DP-80BFE-HD	DP-80BFH-HD	DP-80BFV-HD		
	854531	854532	854537	854533	854536	854534		
REF. No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	DESCRIPTION	QTY.
21	683408	683408	683408	683408	683408	706144	NUT SS	2
22	682740	682740	682740	682740	682740	682740	WASHER M16 SS CONICAL	2
23	686161	686161	686161	686161	686161	686161	BOLT	20
24	631014	631014	631014	631014	631014	631014	WASHER FLAT	4
25	631917	631917	631917	631917	631917	631917	WAVE WASHER	28
26	611204	611204	611204	611204	611204	611204	BOLT	16
27	631015	631015	631015	631015	631015	631015	WASHER FLAT	16
28	631918	631918	631918	631918	631918	631918	WAVE WASHER	16
29	627014	627014	627014	627014	627014	627014	NUT	16
33	611177	611177	611177	611177	611177	611177	BOLT	4
34	627013	627013	627013	627013	627013	627013	NUT	4
35	611149	611149	611149	611149	611149	611149	BOLT	4
36	682276	682276	682276	682276	682276	682276	NUT W/ FLANGE	4
40	640078	640078	684124	684124	640078	642078	O RING	4
42	686164	686164	686164	686164	686164	686164	BOLT	4
44	804697	804697	804697	804697	804697	804697	MUFFLER	2
KIT	K80-MC	K80-MN	K80-MS	K80-ME	K80-MH	K80-MV	LIQUID SIDE	
KIT	K80-AM-DP-HD						AIR MOTOR	

General Tools:
- Socket wrench - 13mm, 17mm, 19mm, 24mm
- Hexagonal box wrench - 3mm, 5mm
- Phillips head screw driver
- Small Crowbars - 2 (B_C, B_N, B_E, B_V)
- Open-end Wrenches - 19mm, 24mm

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

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 for center rod (Ref# 7), Shell Alvania Grease S1



CLICK HERE FOR TORQUE

CLICK HERE FOR MAINTENANCE MANUAL

Customer Notes

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

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