# EXPLODED VIEW & PARTS LISTING

## Air Operated Double Diaphragm Pump

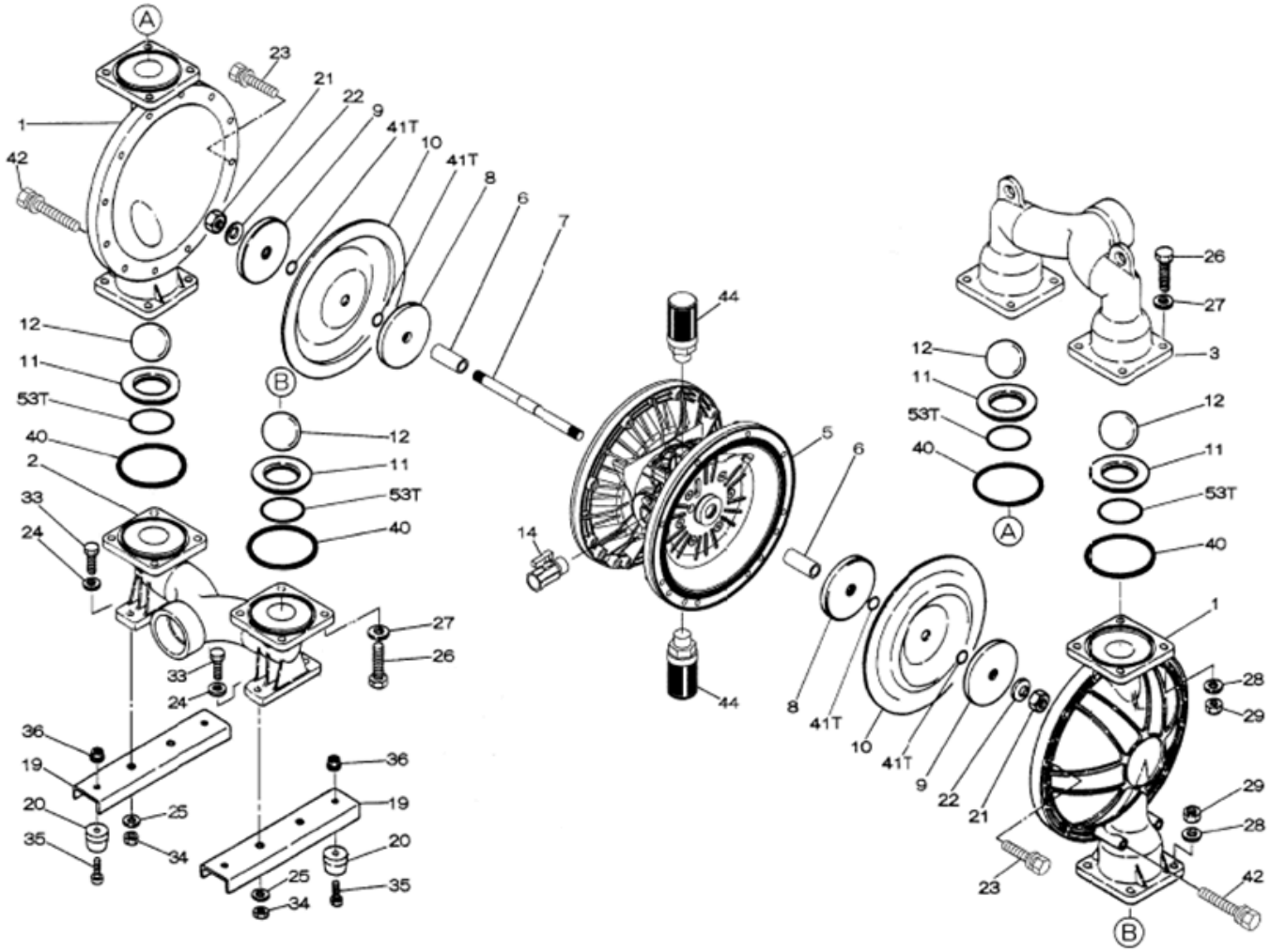
**Model: DP-80BFT-HD**
**Model #: 854535**



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**

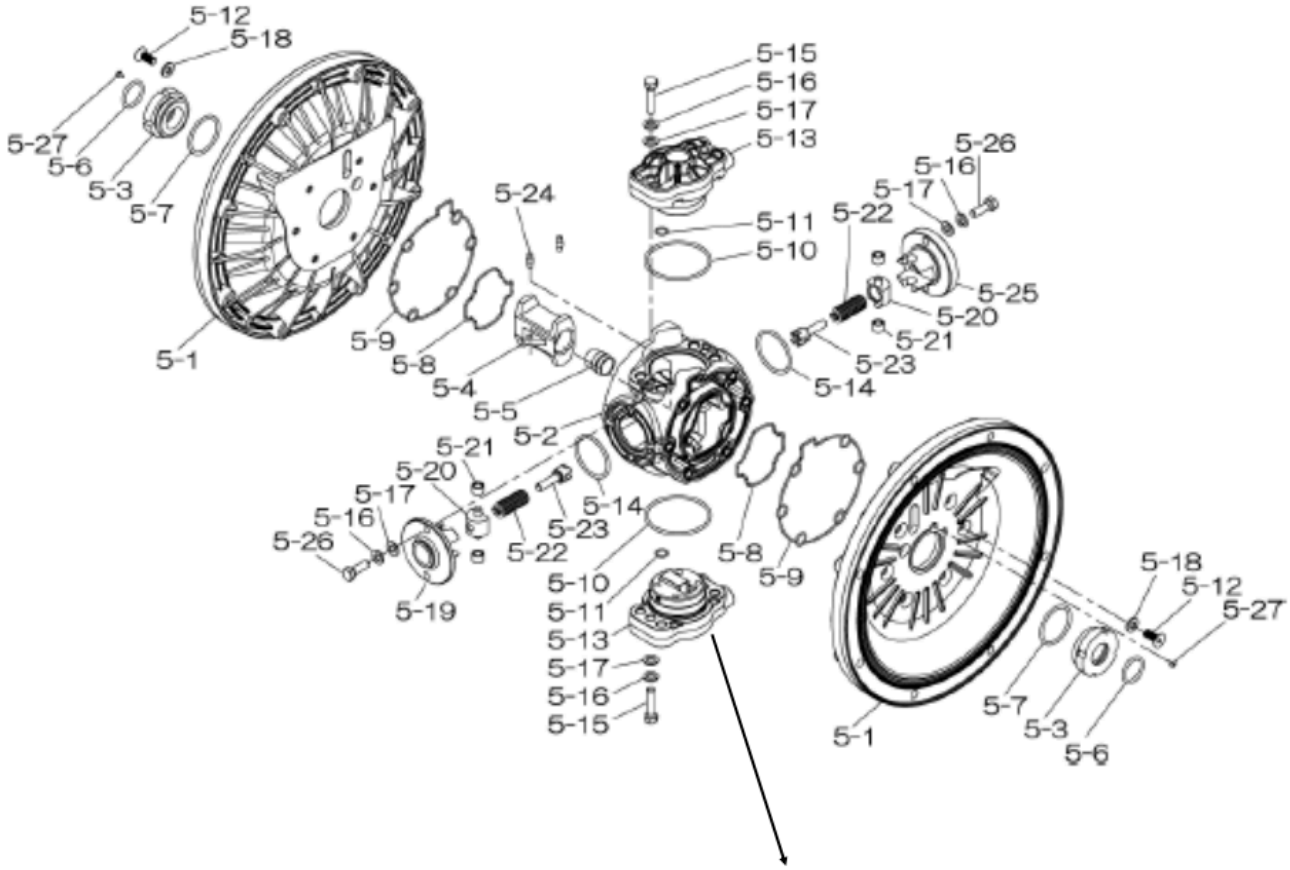




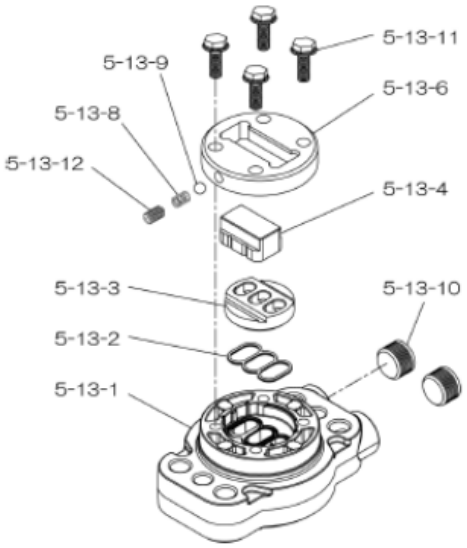

©2026 Yamada America, Inc.

## Air Operated Double Diaphragm Pump

### 804780 Center Body Assembly




### 804784 Valve Body Assembly





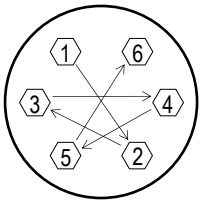

©2026 Yamada America, Inc.

# EXPLODED VIEW & PARTS LISTING

## Air Operated Double Diaphragm Pump

**Model: DP-80BFT-HD**
**Model: # 854535**

| REF. No. | PART No. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 713158 | OUT CHAMBER | 2 |
| 2 | 713170 | IN MANIFOLD 80 | 1 |
| 3 | 713167 | OUT MANIFOLD 80 | 1 |
| 5 | 804780 | CENTER BODY ASSY DP-80-HD | 1 |
| 5- 1 | 716248 | AIR CHAMBER | 2 |
| 5- 2 | 716256 | BODY | 1 |
| 5- 3 | 773066 | THROAT BEARING | 2 |
| 5- 4 | 716214 | SHUTTLE (CS) | 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 | 716244 | 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 HEX FT | 4 |
| 5-16 | 631420 | SPRING WASHER M8 ZINC | 8 |
| 5-17 | 631013 | WASHER FLAT M8 ZINC DI | 8 |
| 5-18 | 684987 | WASHER | 12 |
| 5-19 | 716249 | RETAINER | 1 |
| 5-20 | 713620 | SPRING GUIDE | 2 |
| 5-21 | 773067 | BUSH | 4 |
| 5-22 | 684537 | SPRING | 2 |
| 5-23 | 714446 | TRIP ARM | 2 |
| 5-24 | 700231 | PIN | 2 |
| 5-25 | 716216 | RETAINER | 1 |
| 5-26 | 611149 | BOLT FT ZIN | 4 |
| 5-27 | 686337 | TAPPING SCREW | 2 |
| 6 | 716255 | CENTER BUSHING DP-80T-HD | 2 |
| 7 | 716254 | CENTER ROD | 1 |
| 8 | 711041 | CENTER DISK 80-T | 2 |
| 9 | 713391 | CENTER DISK 80FC-T | 2 |
| 10 | 770934 | DIAPHRAGM (PTFE) 80 | 2 |
| 11 | 711910 | VALVE SEAT | 4 |
| 12 | 770694 | BALL 80T | 4 |
| 14 | 684322 | BALL VALVE 3/4" | 1 |
| 19 | 711912 | BASE 80 | 2 |
| 20 | 771402 | FOOT RUBBER | 4 |
| 21 | 706144 | NUT SS | 2 |
| 22 | 682740 | WASHER M16 SS CONICAL | 2 |
| 23 | 686161 | BOLT M10 SS | 20 |
| 24 | 631014 | WASHER FLAT M10 SS DIN | 4 |
| 25 | 631917 | WAVE WASHER | 28 |
| 26 | 611204 | BOLT HEX P | 16 |
| 27 | 631015 | WASHER FLAT M12 SS DIN | 16 |
| 28 | 631918 | WAVE WASHER | 16 |
| 29 | 627014 | NUT | 16 |
| 33 | 611177 | BOLT HEX FT | 4 |
| 34 | 627013 | NUT SS | 4 |
| 35 | 611149 | BOLT | 4 |
| 36 | 682276 | NUT W/ FLANGE | 4 |
| 40 | 643078 | O RING | 4 |
| 41 | 643015 | O RING | 4 |
| 42 | 686164 | BOLT | 4 |
| 44 | 804697 | MUFFLER | 2 |
| 53T | 643145 | O RING | 4 |
| KIT | K80-MT | LIQUID SIDE | |
| KIT | K80-AM-DP-HD | AIR MOTOR | |




CLICK HERE FOR TORQUE

**General Tools:**
- Socket wrench - 13mm, 17mm, 19mm, 24mm
- Hexagonal box wrench - 3mm, 5mm
- Phillips head screw driver
- 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 MAINTENANCE MANUAL**

***Customer Notes***

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



©2026 Yamada America, Inc.