

# EXPLODED VIEW & PARTS LISTING

## Air Operated Double Diaphragm Pump

(XDP) Model:

855425 DP-500BST-HD FLG

855432 DP-500BST-HD NPT



### To Purchase:

☎ 800-990-7867

✉ [sales@yamadapump.com](mailto:sales@yamadapump.com)

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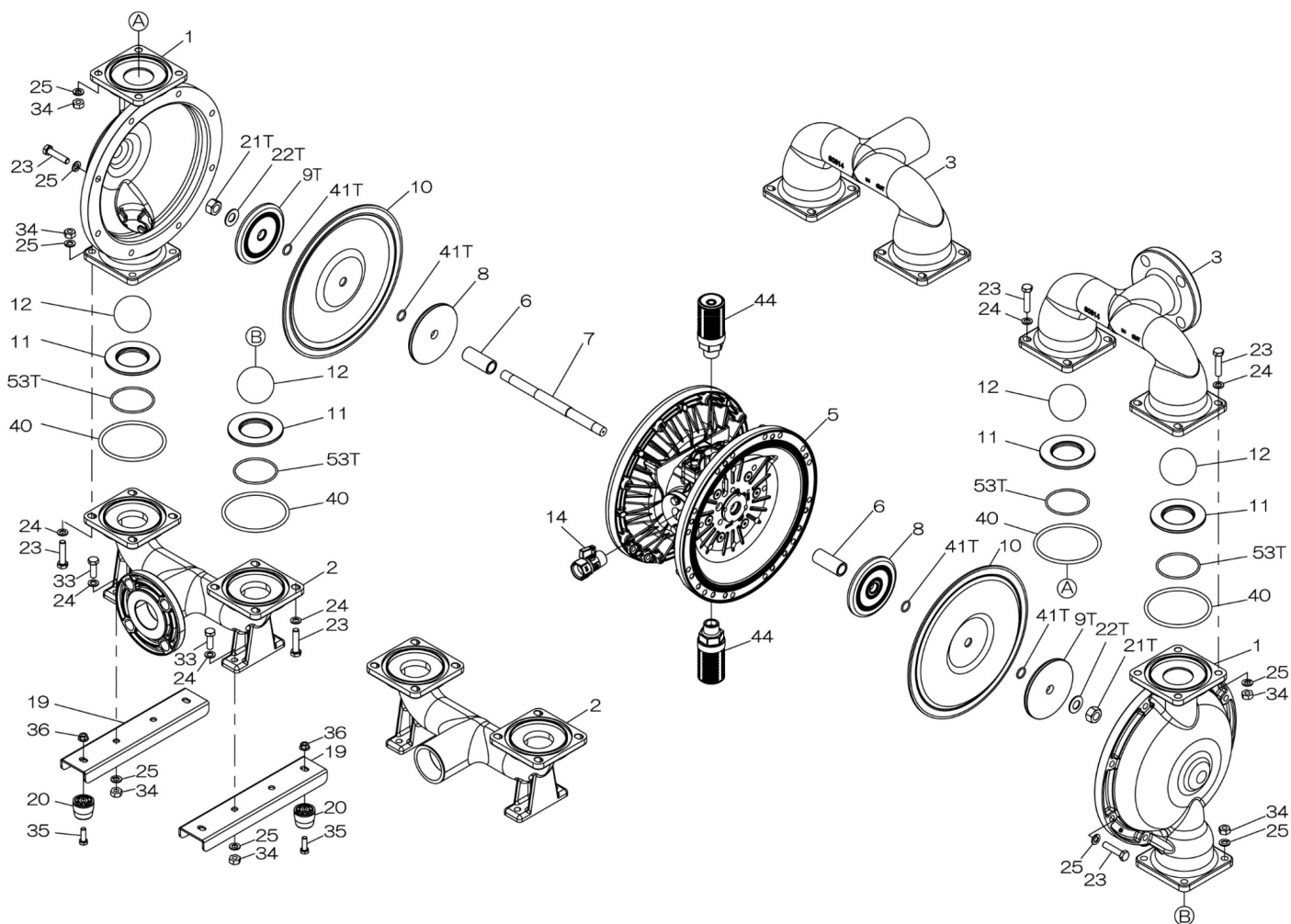
### More Information:

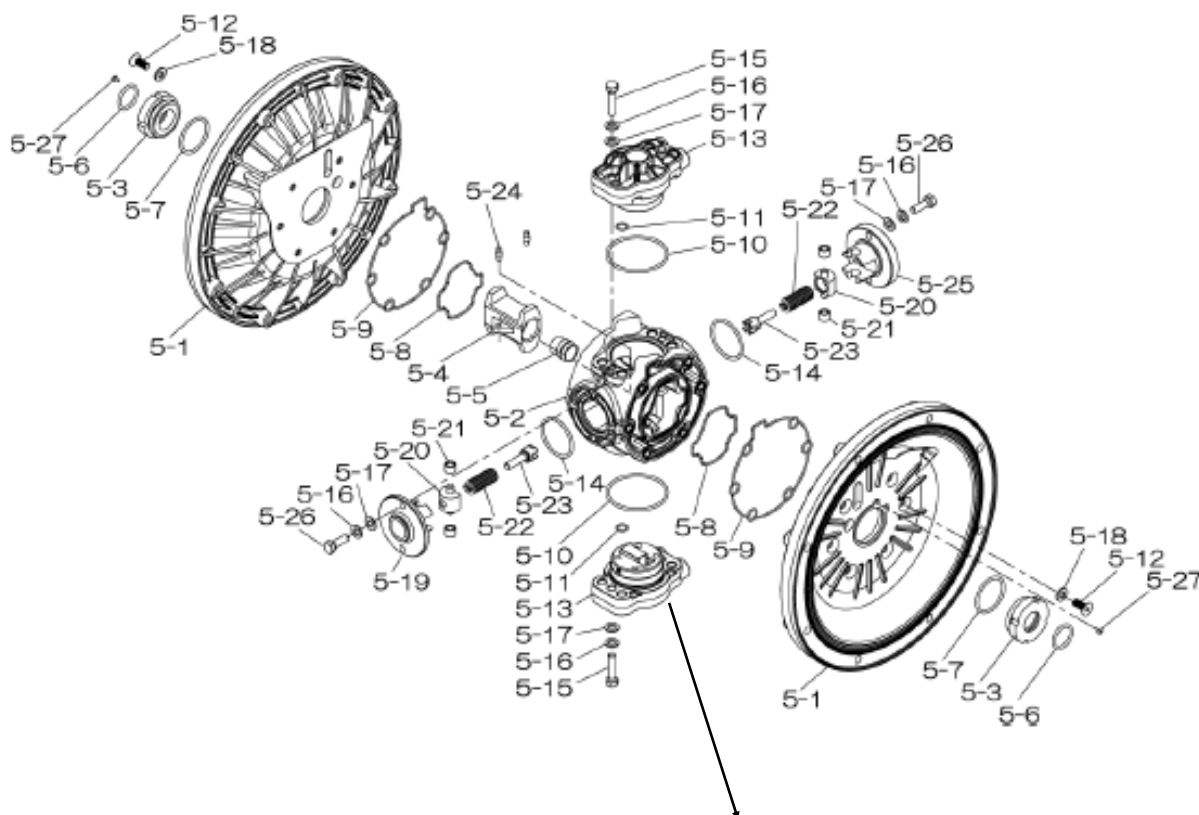
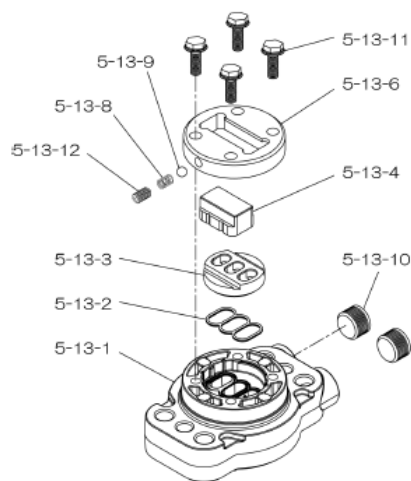
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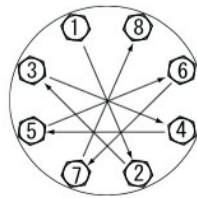
### Trial Program



**804778 Center Body Assembly****804784 Valve Body Assembly**

| REF. No. | PART No. | DESCRIPTION            | QTY. |
|----------|----------|------------------------|------|
| 1        | 717449   | OUT CHAMBER            | 2    |
| 2        | 717450   | IN MANIFOLD FLG        | 1    |
| 2        | 717451   | IN MANIFOLD NPT        | 1    |
| 3        | 717452   | OUT MANIFOLD FLG       | 1    |
| 3        | 717453   | OUT MANIFOLD NPT       | 1    |
| 5        | 804778   | CENTER BODY ASSY       | 1    |
| 5-1      | 716247   | AIR CHAMBER            | 2    |
| 5-2      | 716256   | BODY                   | 1    |
| 5-3      | 773048   | 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     | 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                   | 4    |
| 5-27     | 686337   | TAPPING SCREW          | 2    |
| 7        | 711939   | CENTER ROD             | 1    |
| 8        | 707822   | CENTER DISK            | 2    |
| 9T       | 707823   | CENTER DISK            | 2    |
| 10       | 770815   | DIAPHRAGM              | 2    |
| 11       | 711909   | VALVE SEAT             | 4    |
| 12       | 770693   | BALL                   | 4    |
| 14       | 686974   | VALVE                  | 1    |

|     |              |                   |    |
|-----|--------------|-------------------|----|
| 15  | 682523       | ELBOW             | 1  |
| 19  | 711928       | BASE              | 2  |
| 20  | 771402       | RUBBER FOOT       | 4  |
| 21  | 706128       | NUT               | 2  |
| 22  | 682740       | CONED DISC SPRING | 2  |
| 23  | 621180       | BOLT              | 32 |
| 24  | 631174       | PLAIN WASHER      | 20 |
| 25  | 631937       | WAVE WASHER       | 36 |
| 33  | 621175       | BOLT              | 4  |
| 34  | 687295       | NUT               | 20 |
| 35  | 611149       | BOLT              | 4  |
| 36  | 682276       | FLANGED NUT       | 4  |
| 40  | 643069       | O RING            | 4  |
| 41T | 643015       | O RING            | 4  |
| 44  | 804697       | MUFFLER           | 2  |
| 53T | 643139       | O RING            | 4  |
| KIT | K50-MT       | LIQUID KIT        |    |
| KIT | K45-DP-HD-AM | AIR MOTOR KIT     |    |


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**General Tools:**

- Socket wrench - 24mm
- Hexagonal box wrench - 5mm, 6mm
- Small crowbars - 2 (B\_C, B\_N, B\_E, B\_V)
- 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, Shell Alvania Grease S1

[CLICK HERE FOR MAINTENANCE MANUAL](#)
**Customer Notes**

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