

# EXPLODED VIEW & PARTS LISTING

## Air Operated Double Diaphragm Pump

Model: NDP-25BST-PP

Model#: 854140

(PTFE fitted w/non-metallic center body)



### To Purchase:

☎ 800-990-7867

✉ sales@yamadapump.com

📍 Find My Rep

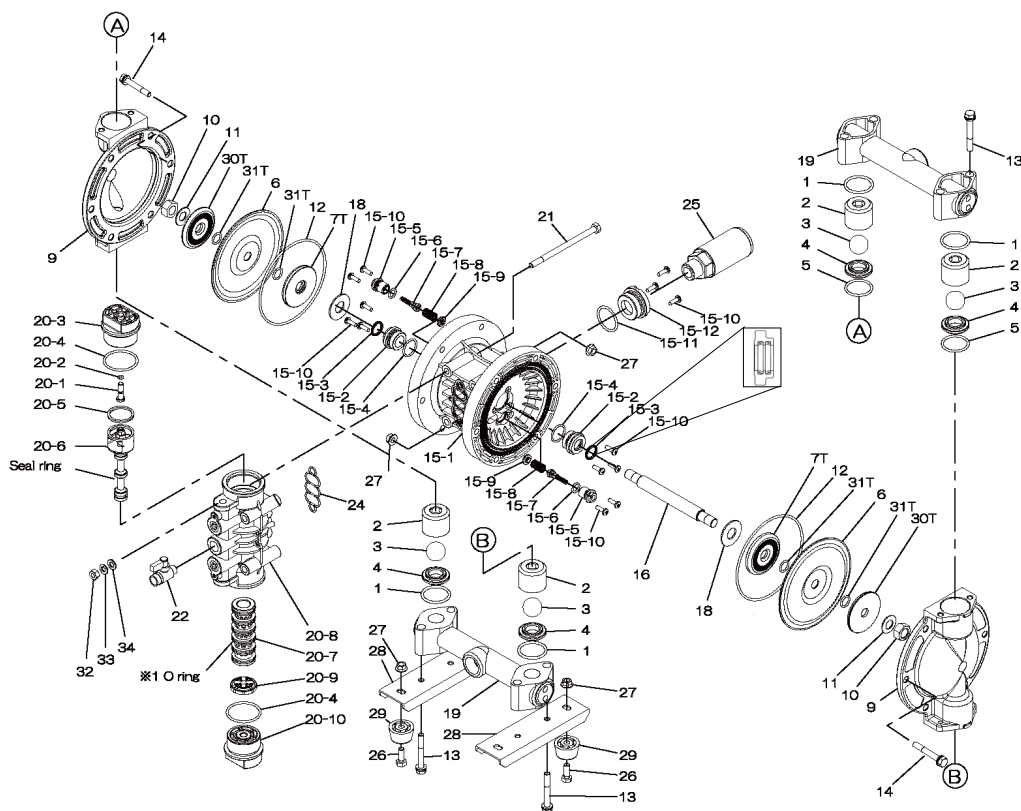
### More Information:

▶ YouTube: @yamadapump

🌐 yamadapump.com

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

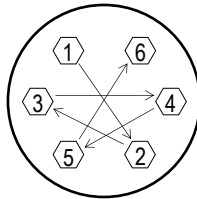
### Trial Program



## Air Operated Double Diaphragm Pump

(PTFE fitted w/non-metallic center body)

| REF. No.  | PART No. | DESCRIPTION               | QTY. | REORDER |
|-----------|----------|---------------------------|------|---------|
| 1         | 643044   | O-RING                    | 4    |         |
| 2         | 711703   | BALL GUIDE                | 4    |         |
| 3         | 770691   | BALL                      | 4    |         |
| 4         | 711707   | VALVE SEAT                | 4    |         |
| 5         | 771130   | O-RING                    | 2    |         |
| 6         | 771110   | DIAPHRAGM                 | 2    |         |
| 7T        | 709459   | CENTER DISK (AIR SIDE)    | 2    |         |
| 9         | 711694   | OUT CHAMBER               | 2    |         |
| 10        | 682263   | NUT                       | 2    |         |
| 11        | 682730   | CONED DISC SPRING         | 2    |         |
| 12        | 640154   | O-RING                    | 2    |         |
| 13        | 621185   | BOLT                      | 8    |         |
| 13        | 631937   | WAVE WASHER               | 8    |         |
| 14        | 621177   | BOLT                      | 12   |         |
| 14        | 631937   | WAVE WASHER               | 12   |         |
| 15        | 804604   | BODY ASSY.                | 1    |         |
| 15-1      | 772929   | BODY -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        | 709162   | CENTER ROD                | 1    |         |
| 18        | 771054   | CUSHION                   | 2    |         |
| 19        | 831271   | MANIFOLD                  | 2    |         |
| 20        | 804608   | 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        | 682265   | BOLT                      | 6    |         |
| 22        | 686970   | BALL VALVE                | 1    |         |
| 24        | 771056   | GASKET                    | 1    |         |
| 25        | 804697   | SILENCER                  | 1    |         |
| 26        | 611148   | BOLT                      | 4    |         |
| 27        | 682276   | NUT WITH FLANGE           | 4    |         |
| 28        | 709156   | PUMP BASE                 | 2    |         |
| 29        | 770551   | CUSHION                   | 4    |         |
| 30T       | 709331   | CENTER DISK (LIQUID SIDE) | 2    |         |
| 31T       | 643013   | O-RING                    | 4    |         |
| 32        | 683635   | NUT                       | 4    |         |
| 33        | 681300   | SPRING WASHER             | 4    |         |
| 34        | 631329   | FLAT WASHER               | 4    |         |
| KIT       | K25-MT-1 | LIQUID SIDE KIT           |      |         |
| KIT       | K225-AP  | AIR MOTOR KIT             |      |         |

**Tightening torque for center rod and out chambers.**

Center Rod 29 ft-lbf {40 N-m}  
Out Chambers 15 ft-lbf {20 N-m}

**Tightening torque for manifold retainer bolts.**

25BST-PP 28 ft-lbf {35 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 Tools:**

- Sleeve remover (713148).

**Miscellaneous:**

- Assembly Oil - turbine oil none additional class 1 (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: \_\_\_\_\_