

# EXPLODED VIEW & PARTS LISTING

## Air Operated Double Diaphragm Pump

Model: NDP-20BPN  
Model#: 852382



### To Purchase:

☎ 800-990-7867

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

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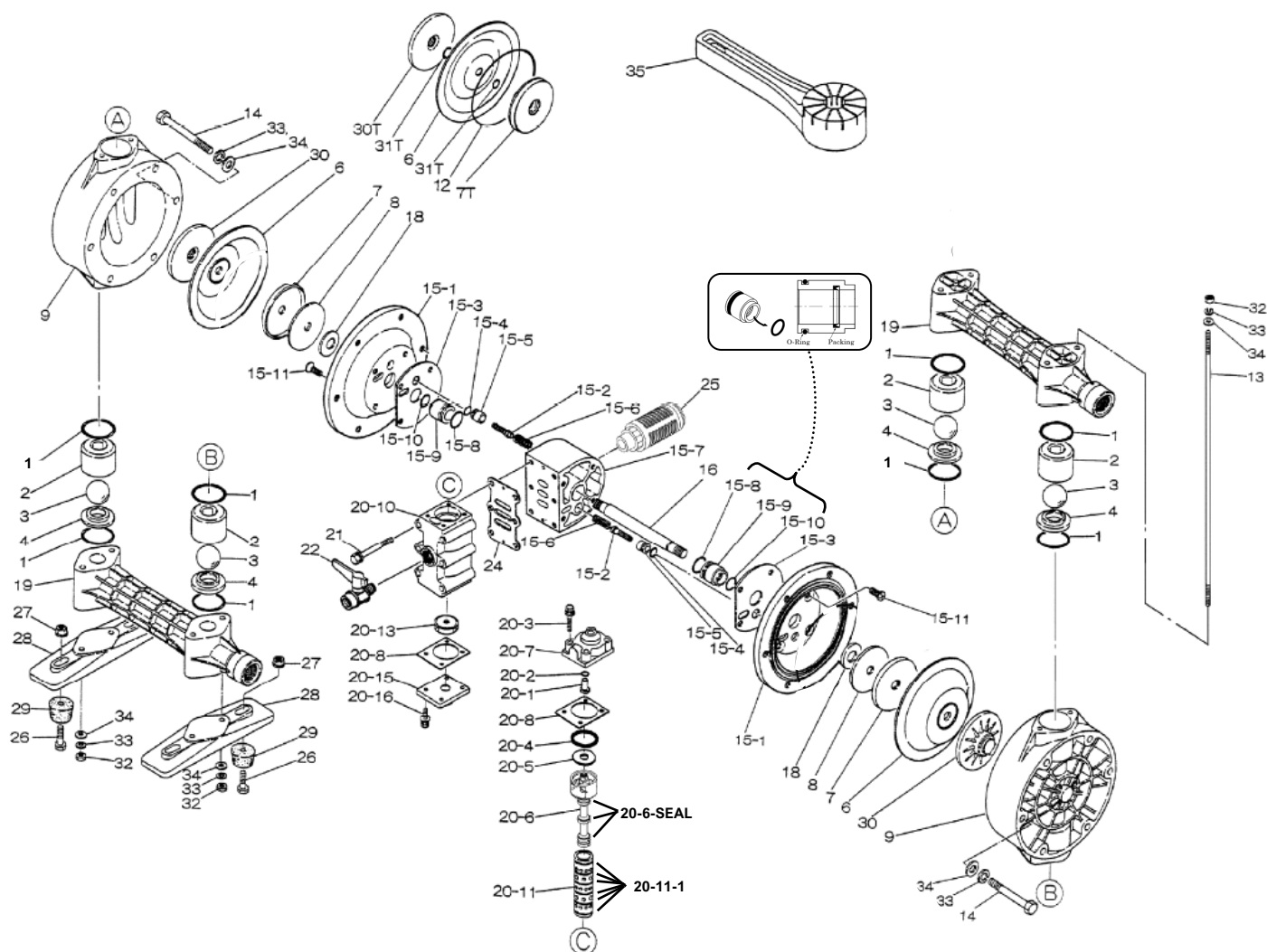
### More Information:

📺 YouTube: [@yamadapump](#)

🌐 [yamadapump.com](http://yamadapump.com)

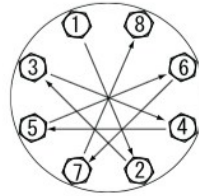
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[Literature](#) | [BOM](#) | [Performance Curves](#)

### Trial Program



## Air Operated Double Diaphragm Pump

| REF. No.  | PART No. | DESCRIPTION               | QTY. |
|-----------|----------|---------------------------|------|
| 1         | 640033   | O-RING                    | 8    |
| 2         | 771216   | BALL GUIDE                | 4    |
| 3         | 770720   | BALL                      | 4    |
| 4         | 780137   | VALVE SEAT                | 4    |
| 6         | 771255   | DIAPHRAGM                 | 2    |
| 7         | 709153   | CENTER DISK (AIR SIDE)    | 2    |
| 8         | 709152   | WASHER                    | 2    |
| 9         | 780134   | OUT CHAMBER               | 2    |
| 13        | 710122   | TIE ROD                   | 4    |
| 14        | 621163   | BOLT                      | 12   |
| 15        | 804878   | CENTER BODY ASSY.         | 1    |
| 15-1      | 715938   | AIR CHAMBER               | 2    |
| 15-2      | 802360   | PILOT VALVE ASSY.         | 2    |
| 15-3      | 771057   | GASKET                    | 2    |
| 15-4      | 640009   | O-RING                    | 2    |
| 15-5      | 771945   | PILOT VALVE SEAT          | 2    |
| 15-6      | 708666   | SPRING                    | 2    |
| 15-7      | 711503   | BODY                      | 1    |
| 15-8      | 685276   | O-RING                    | 2    |
| 15-9      | 780324   | THROAT BEARING            | 2    |
| 15-10     | 685414   | V-PACKING                 | 2    |
| 15-11     | 682486   | BOLT W/ WASHERS           | 8    |
| 16        | 710252   | CENTER ROD                | 1    |
| 18        | 771054   | CUSHION                   | 2    |
| 19        | 780010   | MANIFOLD (NPT)            | 2    |
| 20        | 802809   | AIR VALVE ASSY.           | 1    |
| 20-1      | 709161   | RESET BUTTON              | 1    |
| 20-2      | 640005   | O-RING                    | 1    |
| 20-3      | 682704   | BOLT W/ WASHERS           | 4    |
| 20-4      | 771241   | PACKING                   | 1    |
| 20-5      | 715961   | WASHER                    | 1    |
| 20-6      | 802400   | C-SPOOL ASSY.             | 1    |
| 20-6-seal | 771053   | SEAL RING                 | 5    |
| 20-7      | 711219   | CAP A                     | 1    |
| 20-8      | 771240   | GASKET                    | 2    |
| 20-10     | 711640   | VALVE BODY                | 1    |
| 20-11     | 803931   | SLEEVE ASSY.              | 1    |
| 20-11-*1  | 771080   | O-RING                    | 6    |
| 20-13     | 771914   | CUSHION                   | 1    |
| 20-15     | 711212   | CAP B                     | 1    |
| 20-16     | 682262   | BOLT W/ WASHERS           | 4    |
| 21        | 682265   | BOLT W/ WASHERS           | 6    |
| 22        | 686968   | BALL VALVE                | 1    |
| 24        | 771056   | GASKET                    | 1    |
| 25        | 804697   | MUFFLER                   | 1    |
| 26        | 611151   | BOLT                      | 4    |
| 27        | 682276   | NUT W/FLANGE              | 4    |
| 28        | 771219   | BASE                      | 2    |
| 29        | 770551   | FOOT RUBBER               | 4    |
| 30        | 780123   | CENTER DISK (LIQUID SIDE) | 2    |
| 32        | 687229   | NUT                       | 8    |
| 33        | 681300   | SPRING WASHER             | 20   |
| 34        | 631329   | FLAT WASHER               | 20   |
| 35        | 771244   | TOOL                      | 2    |
| KIT       | K20-PN   | LIQUID SIDE KIT           |      |
| KIT       | K225-AM  | AIR MOTOR KIT             |      |

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

- Socket wrenches - 10mm, 12mm, 13mm, 17mm, 22mm
- Hexagonal box wrench - 5mm
- Open-end wrenches - 13mm

**Special Tools:**

- Sleeve remover (713148) (sold separately)
- Center Disk Tool (771244) (included)

**Miscellaneous:**

- Nuts - M14x1.5
- Urea grease grade (NLGI) No. 2 for Center Rod (Ref# 16) and V-Packing (Ref# 15-10)
- Lubricants - Equivalent to (LOCTITE ANTI-SEIZE 767) for Bolts/Nuts

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

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