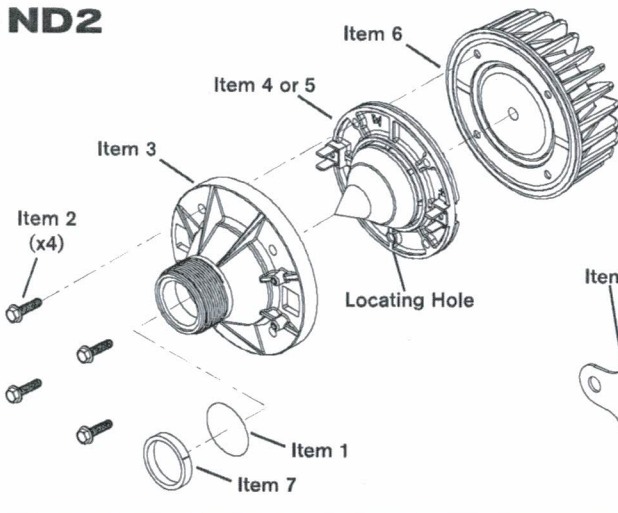


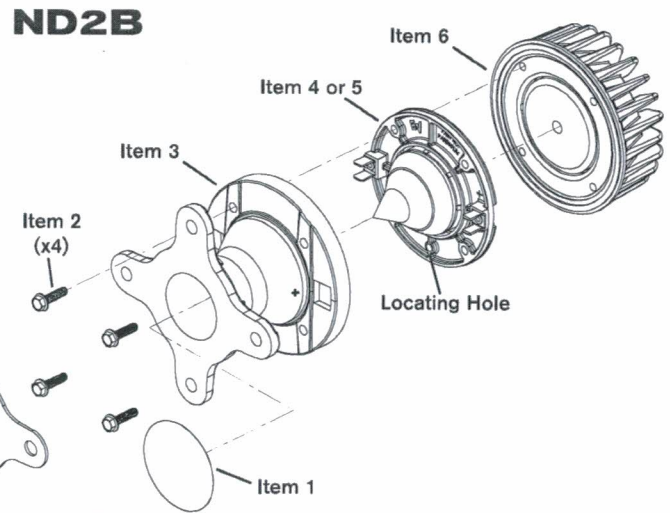
# ND2/ND2B Service Data Sheet Parts List and Diaphragm Replacement Instructions



## ND2



## ND2B



| Item | Part No.      | Description                   | Qty. |
|------|---------------|-------------------------------|------|
| 1    | 500737000     | Screen, ND2                   | 1    |
| 2    | 581055000     | Screw, 8-32 x 5/8"            | 4    |
| 3    | 701657000     | Front Cover, ND2              | 1    |
| 4    | 800810100     | Diaphragm Subassy, ND2-8      | 1    |
| 5    | 800810101     | Diaphragm Subassy, ND2-16     | 1    |
| 6    | Not Available | Magnet Structure Subassy, ND2 | 1    |
| 7    | 70209LM       | Plug, Plastic                 | 1    |

Table 1: Replacement Parts List for ND2

| Item | Part No.      | Description                   | Qty. |
|------|---------------|-------------------------------|------|
| 1    | 70913         | Screen                        | 1    |
| 2    | 581055000     | Screw, 8-32 x 5/8"            | 4    |
| 3    | PAR000403000  | Cover, Belt-on, ND2B          | 1    |
| 4    | 800810100     | Diaphragm Subassy, ND2-8      | 1    |
| 5    | 800810101     | Diaphragm Subassy, ND2-16     | 1    |
| 6    | Not Available | Magnet Structure Subassy, ND2 | 1    |
| 7    | PAR000406000  | Cover Gasket, ND2B            | 1    |

Table 2: Replacement Parts List for ND2B

### TOOLS REQUIRED

1/4" Hex Head Nut Driver, ohmmeter, oscillator and amplifier.

NOTE: Care must be exercised to avoid dust, dirt, etc., from collecting on the replacement diaphragm.

### REPLACEMENT INSTRUCTIONS

1. Clean outside of driver with a damp cloth to remove any dust or magnetic particles, etc., before disassembly, and make certain that the immediate work area is clear of magnetic particles which might be attracted to the air gap after the driver is disassembled.
2. Remove hex head screws (Item 2) securing front cover (Item 3) and diaphragm assembly (Item 4 or 5) to magnet structure (Item 6), and separate the two assemblies. See Figures Above.
3. Inspect the magnet structure air gap with a high intensity light or flashlight. If required, clean air gap with a folded piece of tape (masking tape) with the adhesive surface facing out. Repeat this step with a fresh piece of tape at least three times, or until the air gap is clean. Use caution not to leave glue residue in gap. On units with burned voice coils or shattered diaphragms this procedure is more important.
4. Remove new diaphragm assembly kit from packaging and visually inspect for prior damage. Notice the locating hole on the diaphragm assembly (Item 4 or 5) This hole is for the locating pin extending from the front cover (Item 3). See Figures Above.
5. Carefully position the diaphragm assembly (Item 4 or 5) on the magnet structure (Item 6). The terminals on the diaphragm subassembly must be aligned with the two enlarged areas in the air gap. Lower the diaphragm assembly to the magnet structure. **DO NOT USE FORCE.**
6. Secure the two assemblies by installing the hex head screws (Item 2) until they contact the bottom of the screw holes. Tighten the screws evenly. Do not tighten any one screw all the way, but alternate opposite screws until they are snug.
7. Measure voice coil DC resistance directly with an ohm meter to check coil and solder connections. Voice coil DC resistance is 4.34 to 5.2 ohms on 8 ohm units and 9.1 to 11.9 ohms on 16 ohm units.
8. Check sound quality by applying up to 5 volts RMS to the voice coil and frequency sweep from 500 Hz to 5 kHz without horn load. Listen for obvious rums or buzzes.

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Specifications subject to change without notice.