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### Repair Parts List

<table>
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<tr>
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* Plastic Crank Set includes Plastic Crank (#10), Bearing (#18-1) & Washer (#17)  
* Parts not sold separately.
# UTR 30-70 Tools for Disassembly

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<tr>
<th>No.</th>
<th>Order No.</th>
<th>Description</th>
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<th>No.</th>
<th>Order No.</th>
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<td>6mm Roc</td>
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<td>2.0mm Rod</td>
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<td>N/A</td>
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<td>Philips Head Screwdriver</td>
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BORIDE Engineered Abrasives | 2615 Aero Park Dr. | Traverse City, MI 49686 | 231.929.2121
**UTR 30-70**  
**A: Disassemble Body**

**Required Tools:**

- Use the Hex Key to remove the front screw and take out the tools holders
- After pulling out the bushing set.
- Turn the front body
- Use the plier to loosen the 4 screws (#8).
- Pull out the front body
- Screw (#8)
- Insert tool no. J-002 into the front cover, turn and remove the front cover.
  - (A-4 to A-5 have to be done only if you have to change the sliding bush set.)
- Pull out the plastic crank set
- Use tool no. J-049 to pull out the bushing set.
- After step A-6 to A-8

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UTR 30-70

B: Disassemble Main Shaft

Required Tools

- Nut
- Use tool no. J-33 to remove the nut
- After removing the nut (#19) and washer (#17).
- Use tool no. J-8 to remove the bolt (#11)
- This is how it looks like

- After removing the bolt
- Use tool no. J-39 to remove the main shaft.
- After removing the main shaft (#7)

Bearing 730ZZ
C: Disassemble Turbine

Required Tools

- Before disassembly

- Use tools no. J-34 to remove the nut (#19A)

- After removing the nut

- Pull out the Plastic Crank (#10)

- Pull out the Bearing Set

- Washer

- Remove the washer

- This washer **does not** have to be removed.

Bearing 830ZZ
UTR 30-70  D: Disassemble Rear Part

**Required Tools:**

- 6

- E-3

- D-1

- D-2

- D-3

- D-4

- D-5

- D-6

- D-7

- D-8

- D-9

---

- **Air Inlet Body (#22-B)**
- **Use the special tool no. J-037.**
- **Turn and loosen the air inlet body**
- **Remove the air inlet body**
- **Use the special tool no. J-007 C-shape plier.**
- **Turn anti-clockwise.**
- **Remove the switch Body**
- **(If you have to replace the O-Ring.)**
- **Remove the C-Ring.**
- **Remove the on/off switch**
- **Replace the O-Ring**

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**UTR 30-70**

**E: Aassemble Turbine**

**Required Tools:**

<table>
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<tr>
<th>Tool</th>
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</thead>
<tbody>
<tr>
<td>E-1</td>
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<td>E-5</td>
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<tr>
<td>E-6</td>
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</table>

**• Turbine**

**• Washer.**

**• Washer.**

*Remark* Before assembly the bearing set, make sure that:

1. (凸 surface) is facing out.
2. (Flat surface) is facing inside.

**• This is how it looks.**

**• Put on the Plastic Crank**

**• Put on the Nut (#19A)**

**• Use tools no. J-34 to tighten the nut, same for both side.**
UTR 30-70  F: Assemble Main Shaft & Air Inlet Body

**Required Tools:**

- Bolt & Nut location
- Insert the main shaft into the plastic crank set.
- Insert the bolt (#11) to connect the plastic crank and main shaft.
- Put on the washer and nut
- Use tool no. J-33 to tighten the nut.
- After the assembled

**F-5**
- Put the Front Turbine Cab (#12) onto the bearing

**F-6**
- After putting the front turbine cab on the bearing, turned it to the middle in between the two plastic crank.

**F-7**
- Insert the turbine set into the rear body.

**F-8**
- Use tool no. J-32 to tighten the screw.

**F-9**
- *REMARK*
  Make sure that the air emerging hole is targeted at the turbine tooth.
• Front and Rear Part.
• If you have removed the front cover (#3), please put it back on.

• Insert the Rear Part into the Front Body Cover.

• Tighten the front and rear body by turning.

• Put on the tools holder and use the M3*8L screw to lock it.

• After the assembled
UTR 30-70  H. REMARKS

- After disassembled, make sure that you have cleaned up all parts before re-assembled.
- Make sure that the air emerging hole is facing the correct direction to the turbine as shown on the picture (right).

I. Consuming Parts

- Plastic Crank Set
  No-10A

- Bearing Set
  No-15A

- Main Shaft
  No-7. 9

- Bushing Set
  No-4, No-4B & No-5