

# U-LAP



## UTR-30 & UTR-70 Recipro Air Lappers Repair Manual

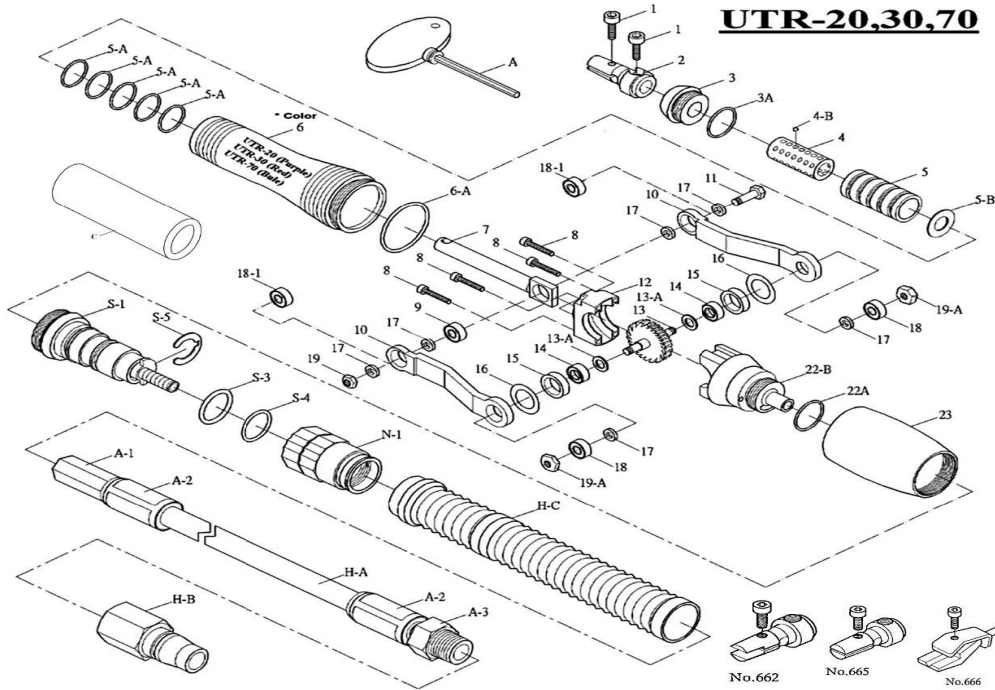
# UTR 30-70 Repair Instruction Manual

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# UTR 30-70 Repair Parts List



No	Order No	Description	Price
A	50053	Hex Wrench	\$2.10
1	50004	Set Screws (2PK) U-Lap 30/70	\$2.10
2	50005	3mm Tip Holder U-Lap 30/70	\$10.00
3	50006	Front V=Cover U-Lap 30/70	\$10.00
3-A	50007	O-Ring U-Lap 30/70-3A	\$1.00
4 & 4-B	50050	Fixed Ball & Bushing U-Lap 30/70 4-4B	\$18.65
5	50014	Sliding Bushing U-Lap 30/70	\$7.15
5-A	50015	O-Ring U-Lap 30/70-5A	\$4.00
5-B	50016	Washer U-Lap 30/70-5B	\$1.00
6	50017	Front Body U-Lap 70 Only	\$48.00
6	50069	Front Body U-Lap 30 Only	\$48.00
6-A	50018	O-Ring U-Lap 30/70-6A	\$1.00
7	50019	Mainshaft U-Lap 30/70	\$19.00
8	50021	Screw (4 PK) U-Lap 30/70	\$8.72
9	50022	Bearing U-Lap 30/70-9	\$11.75
10-B	50072	Plastic Crank Set* U-Lap 30/70	\$18.00
11	50024	Bolt U-Lap 30/70 - 11	\$6.50
12	50025	Front Turbine Cab U-Lap 30/70	\$4.00
13	50026	Turbine U-Lap 70 Only	\$25.00
13	50051	Turbine U-Lap 30 Only	\$25.00
13-A	50027	Cooper Washer U-Lap 30/70 - 13A	\$1.25
14	50028	Bearing U-Lap - 70 -14	\$16.25
15	50029	Bearing Fixer U-Lap 30/70 - 15	\$15.50
16	50031	O-Ring U-Lap 30/70 - 16	\$1.70
18	50035	Bearing U-Lap 30/70-18	\$14.16
19	50036	Nut U-Lap 30/70-19	\$1.70
19-A	50037	Nutu-Lap 30/70-19A	\$1.00
22-A	50038	O-Ring U-Lap 30/70-22A	\$1.00
22-B	50039	Air Inlet Body U-Lap 30/70	\$16.25
23	50041	Rear Turbine Cab Set U-Lap 70-23	\$35.00
S-1	50042	Switch Body U-Lap 30/70	\$10.00
S-3	50044	O-Ring U-Lap 30/70-S3	\$1.00
S-4	50045	O-Ring U-Lap 30/70-S4	\$1.00
S-5	50043	C-Ring U-Lap 30/70-S5	\$1.45
N-1	50046	On-Off Control U-Lap 30/70	\$11.75
H-A	50000	Air Hose Set H-A	\$12.40
H-B	50002	Quick Joint U-Lap 30/70 H-B	\$2.90
H-C	50001	Muffler Pipe U-Lap 30/70 H-C	\$4.90

\* Plastic Crank Set includes Plastic Crank (#10), Bearing (#18-1) & Washer (#17)

\* Parts not sold separately.

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# UTR 30-70 Tools for Disassembly

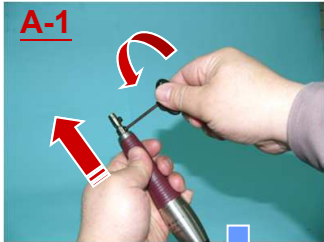
J-011	50061	J-008	50062	J-032	N/A	J-033	50063	J-034	50064
									
J-035	N/A	J-039	50065	50066	J-037	50067	J-007	J-049	60058
									
J-002	N/A								
									
No.	Order No.	Description	Price	No.	Order No.	Description	Price		
J-011	50061	2.5mm Hex Key	\$2.35	J-039	50065	6mm Roc	\$7.35		
J-008	50062	2.0mm Rod	\$4.20	J-037	50066	Special Tools Air Inlet Body	\$21.00		
N/A	N/A	Philips Head Screwdriver	N/A	J-007	50067	C-Shape Spanner	\$21.00		
J-033	50063	5mm Hex Inner Spanner	\$17.50	J-0049	50068	Long Nose Plier	\$21.00		
J-034	50064	7mm Hex Inner Spanner	\$17.50	J-002	N/A	Flat Nose Plier	N/A		
J-035	N/A	Rubber Hammer	N/A						

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# UTR 30-70

## A: Disassemble Body

Required Tools :



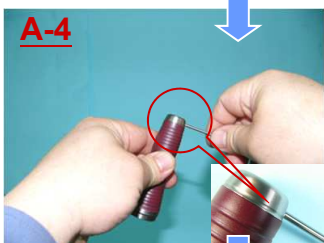
- Use the Hex Key to remove the front screw and take out the tools holders



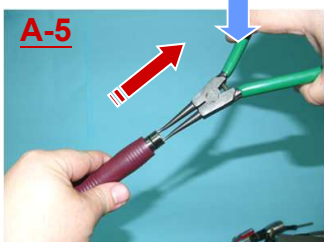
- Turn the front body



- Pull out the front body



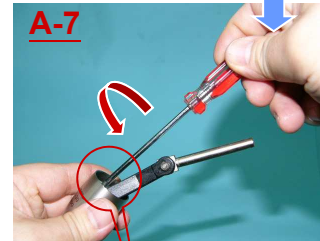
- Insert tool no. J-002 into the front cover, turn and remove the front cover.
- (A-4 to A-5 have to be done only if you have to change the sliding bush set.)



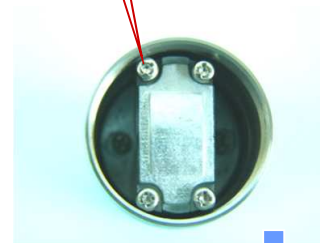
- Use tool no. J-049 to pull out the bushing set.



- After pulling out the bushing set.



- Use the plier to loosend the 4 screws (#8).



- Screw (#8)



- Pull out the plastic crank set



- After step A-6 to A-8 ◦

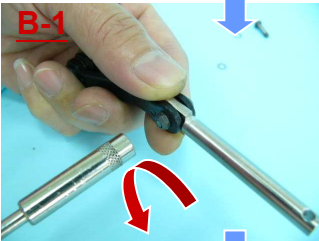
# UTR 30-70

## B: Disassemble Main Shaft

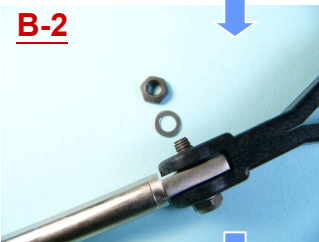
### Required Tools



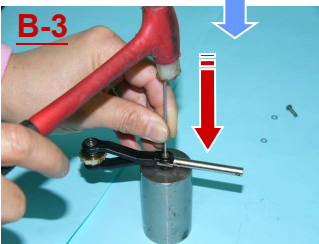
• Nut



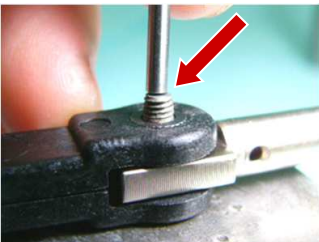
• Use tool no. J-33 to remove the nut



• After removing the nut (#19) and washer (#17).



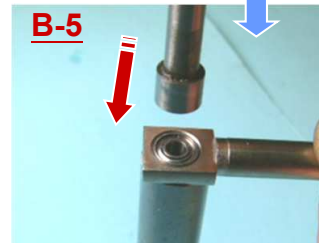
• Use tool no. J-8 to remove the bolt (#11)



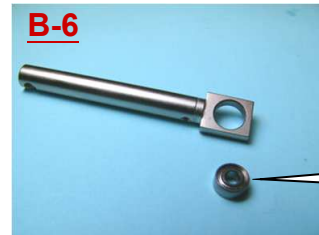
• This is how it looks like



• After removing the bolt



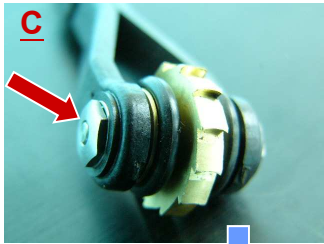
• Use tool no. J-39 to remove the main shaft.



• After removing the main shaft (#7)

Bearing 730ZZ

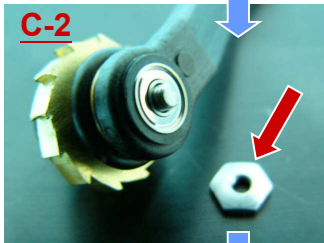




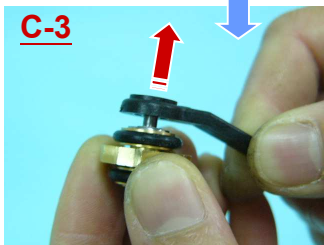
• Before disassembly



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



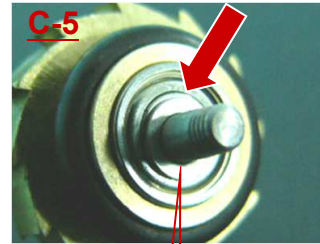
• After removing the nut



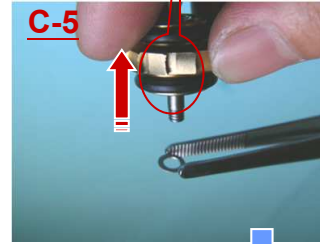
• pull out the Plastic Crank (#10)



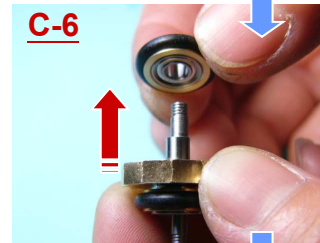
Bearing 830ZZ



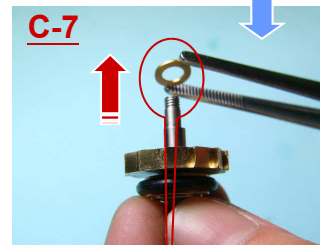
• Washer



• Remove the washer



• Pull out the Bearing Set

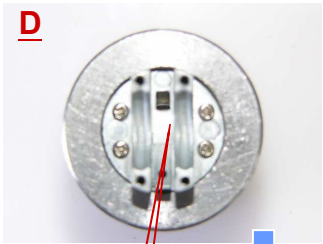


• This washer **does not** have to be removed.

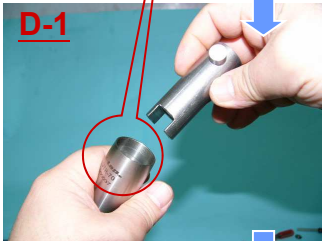


# UTR 30-70 D: Disassemble Rear Part

Required Tools:



• 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.



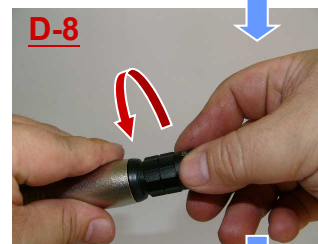
• Turn anti-clockwise .



• Remove the switch Body



• (If you have to replace the O-Ring.)  
• Remove the C-Ring.

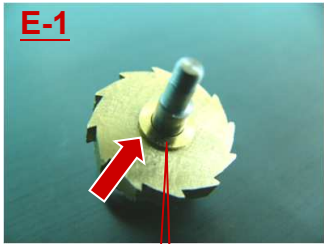


• Remove the on/off switch

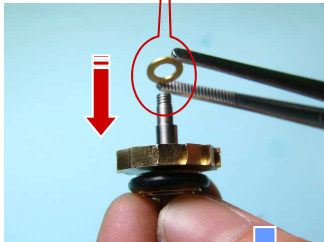


• Replace the O-Ring

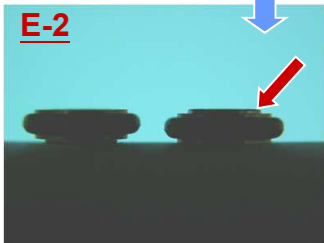




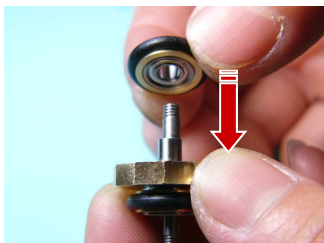
• Turbine



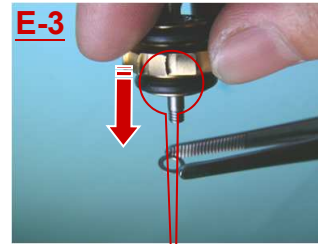
• Washer.



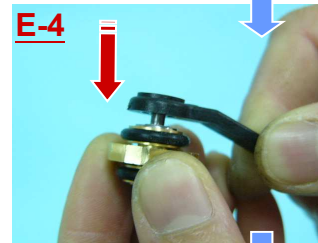
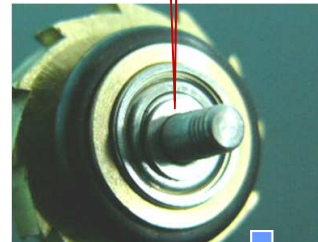
**\*Remark\* Before assembly the bearing set, make sure that:**  
1. (凸 surface) is facing out.  
2. (Flat surface) is facing inside.



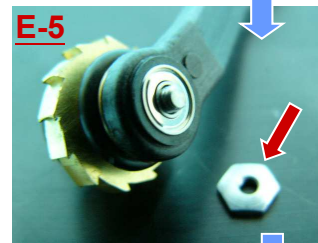
• This is how it looks.



• Washer



• Put on the Plastic Crank



• Put on the Nut (#19A)



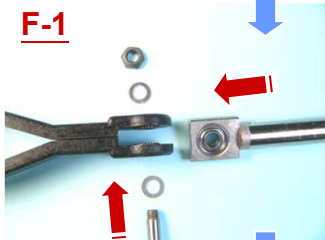
• Use tools no. J-34 to tighten the nut, same for both side.

# UTR 30-70 F: Assemble Main Shaft & Air Inlet Body

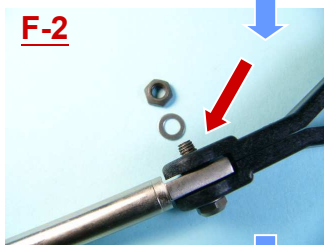
Required Tools:



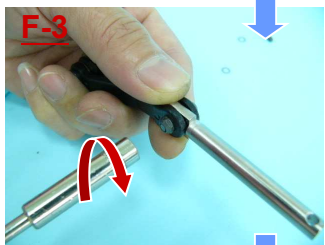
• Bolt & Nut location



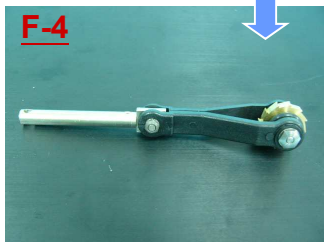
• Insert the main shaft into the plastic crank set.  
• Insert the bolt (#11) to connect the plastic crank and main shaft.



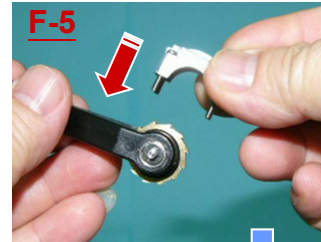
• Put on the washer and nut



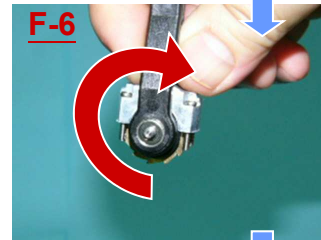
• Use tool no. J-33 to tighten the nut.



• After the assembled



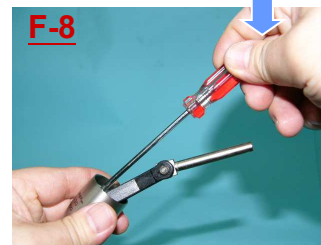
• Put the Front Turbine Cab (#12) onto the bearing



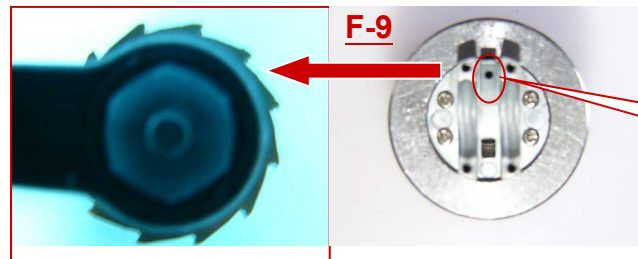
• After putting the front turbine cab on the bearing, turned it to the middle in between the two plastic crank.



• Insert the turbine set into the rear body.



• Use tool no. J-32 to tighten the screw.



**\*REMARK\***

Make sure that the air emerging hole is targeted at the turbine tooth.

# UTR 30-70 G: Assemble Body Cover and Tool Holder



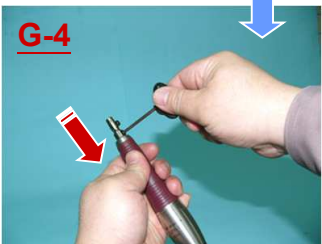
- Front and Rear Part.
- If you have removed the front cover (#3), please put it back on.



- 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

- 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

- I-1**
- Plastic Crank Set  
No-10A



- I-2**
- Bearing Set  
No-15A



- I-3**
- Main Shaft  
No-7. 9



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

