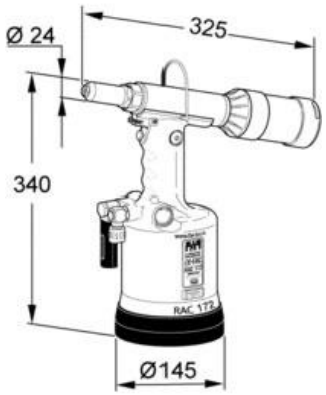
AIR RIVET GUN – 10172

Far® air rivet gun for structural rivets diameters 6.4 & 7.9mm*

The RT-10172 is a heavy-duty hydro-pneumatic rivet tool suitable for medium to high volume production workshops. This tool features a quick cycle time with high-traction force and a vacuum rivet holding capacity even in the vertical position. It also features has a vacuum-powered mandrel extraction system. The Far rivet tools are renowned for being high quality Italian-made riveting guns that are trusted and supported with stocked spare parts.

RT-10172 Specifications	
Weight	2.8Kg
Type	Hydro-Pneumatic
Construction	ABS Plastic & Steel
Traction Force	6 bar – 22,725 N
Stroke	19.5 mm
Fastener Capacity	6.4mm (1/4”) Structural Rivets in all materials. * 7.9mm (5/16”) with optional extra nosepiece.



Rivet gun comes with nose tips X 2, stem deflector, wrench, spanner, oil bottle, allen key, air fitting and manual.

Safety Measures & Requirements

- Read the instructions carefully before using the tool.
- The tool must be used only by expert workers.
- A protective visor and gloves must be put on when using the tool.
- Use equipment recommended in the maintenance chapter to do any maintenance and/or regulation of the tool.
- For topping up the oil, we suggest using only fluids in accordance with the features specified in this working book. If any drop of oil touches your skin, you must wash with water and alkaline soap.
- The tool can be carried and we suggest putting it into its box after using.
- The tool needs a thorough six-monthly overhaul.
- There are no special requirements for storage.
- Repairing and cleaning operations must be done when the tool is not fed.
- If it is possible, we suggest a safety balancer.
- If the A-weighted emission sound pressure level is more than 70 dB (A), you must use some hearing protections (anti-noise headset, etc.).
- The workbench and the work surface must be always clean and tidy. The untidy can cau se damages to people.
- Do not allow unauthorized persons to use the working tools.
- Make you sure that the compressed air feeding hoses have the correct size to be used.
- Do not carry the connected tool by pulling the hose. The hole must be far from any heating sources or from cutting parts.
- Keep the tools in good conditions; do not remove either safety parts or silencers.
- After repairing and/or adjusting, make sure you have already removed the adjusting spanners.
- Before disconnecting the compressed air hose from the tool make sure that there is no pressure in the hose.
- **WARNING:** Before using the tool, assemble the protection bottom supplied with the tool.

Tool Identification

Main Components

A) Nozzle

B) Head carring nozzle

C) Balancer connection

D) Nails tank

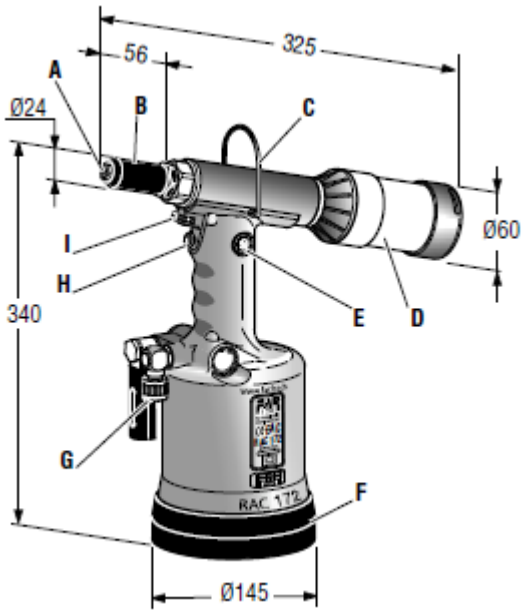
E) Oil tank plug

F) Protection bottom

G) Compressed air connection

H) Tensile strenght button

I) Suction opening lever



Technical Data

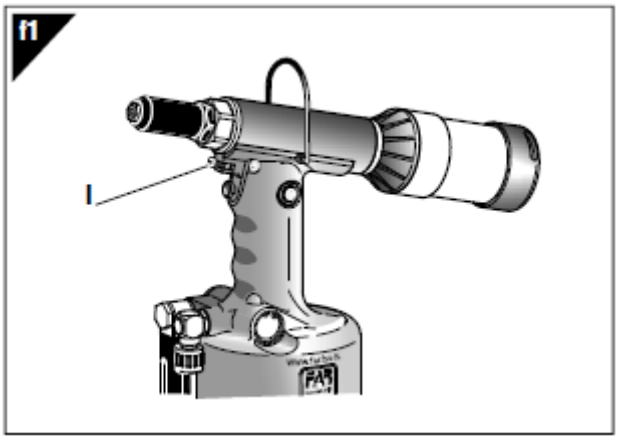
Working pressure .....6 BAR
Min. int. diam. of the compressed
air feeding hose ..... min. diam = 8 mm
Air consumption per cycle .....10,9 Nl
Maximum force .....6 BAR - 22725 N
Stroke .....19,5 mm
Weight .....2,800 Kg
Working temperature .....-5°/+50°
Root mean square in total acceleration
frequency (Ac)
to which the arms are subjected 2,5 m/s2
A-weighted emission sound pressure level ..... 74 dBA
Peak C-weighted instantaneous sound pressure .. <130 dBC
A-weighted sound power ..... 87 dBA

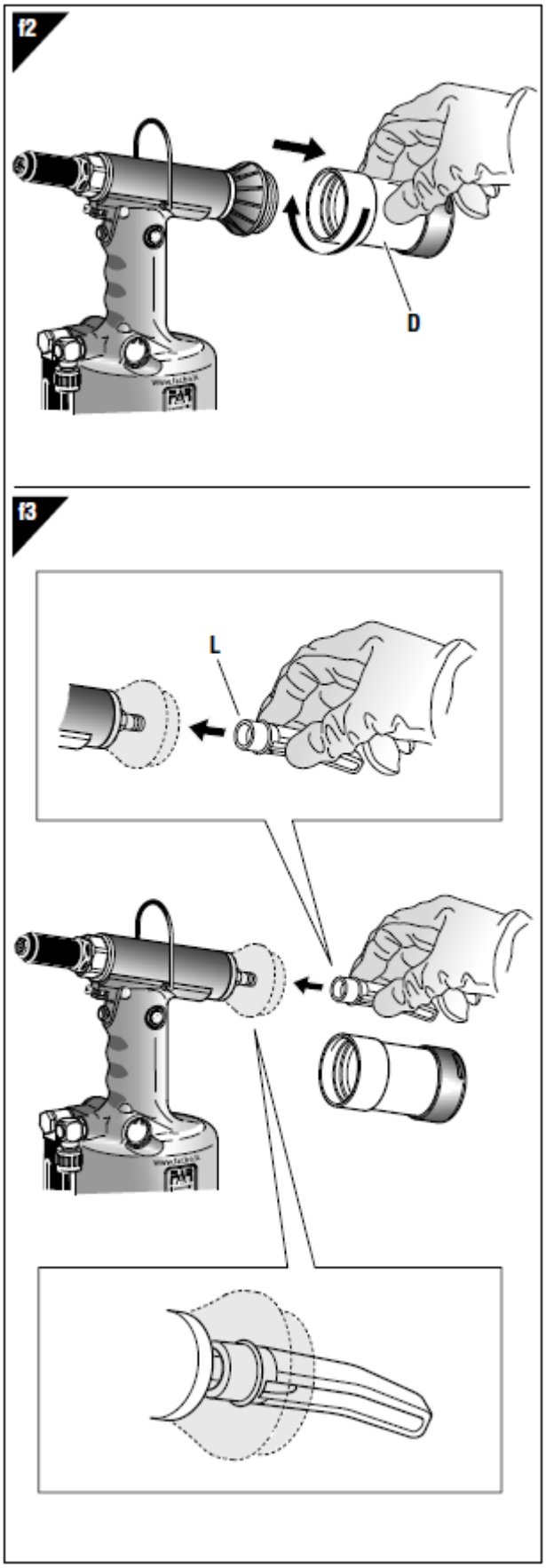
Air Feed

The air feed must be free from foreign bodies and humidity in order to protect the tool from premature wear and tear of the components in movement, therefore we suggest to use a lubrificator group for compressed air.

Usage (fig. f1-f2-f3)

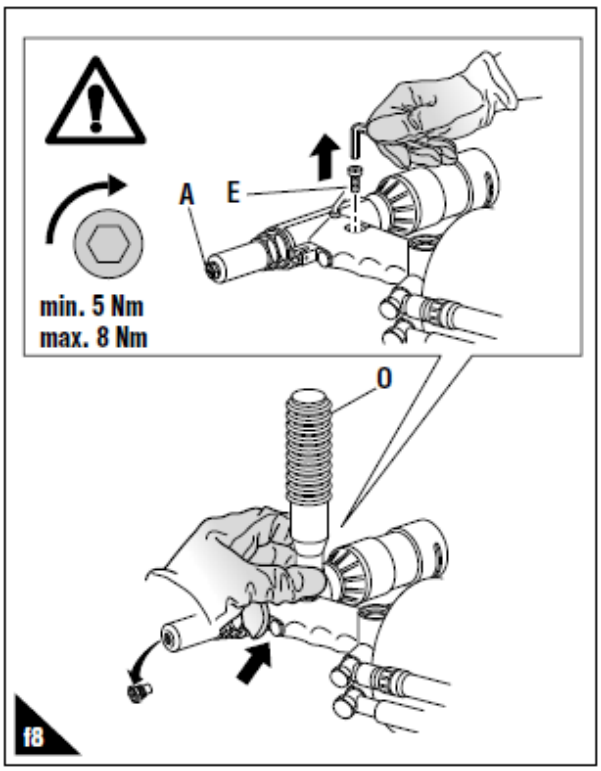
Press lightly for assembling the nails baffle (L), as shown in the figure f3.
After the clamping, the sheared nail is piped by the riveting tool and ejected from the back. By swinging the lever (I) you can activate the suction. By the suction nail system, the rivet remains in the nozzle also turning over the head of the riveting tool downwards: this detail increases a lot the usefulness of the riveting tool.
Do not keep the rivet with your fingers!
If the mandrel/pin tank (D) is full, do not not use the riveting tool. Disconnect the tool, unscrew the mandrel/pin tank (D) and empty it properly. Screw the pin/mandrel tank (D) and start again to work.





Topping Up The Oil-Dynamic Circuit (fig. f8)

You need to top up the oil-dynamic circuit after a long period of work (15000 cycles), when you note a power loss. Put the riveting tool (DWELL AND NOT FED) in a horizontal position and remove the plug (**E**) and the nozzle (**A**) using the appropriate wrenches provided with the tool. During this operation, check the oil level in order to avoid any overflowing. Then, slowly pour the oil HLP 32 cSt into the bellows container (**O**) which shall be screwed to its seat on the plug (**E**). While keeping the riveting tool in a horizontal position and starting air feeding, push the tensile strength button and make the riveting tool carry out some cycles until air bubbles inside the container (**O**) stop coming out. This condition indicates that the topping up of the oil has fully been achieved. At this point, while keeping the riveting tool in a horizontal position, unscrew the oil container (**O**) and close it again. **Do not push the tensile strength button during this operation.**
Go on by closing the oil tank plug (**E**).
WARNING: it is very important to follow the about mentioned instructions and use gloves and protection glasses or protective visors. If you need to empty fully the hydraulic circuit, you must put the oil in a suitable container and contact a Company that is authorized to discharge any waste.

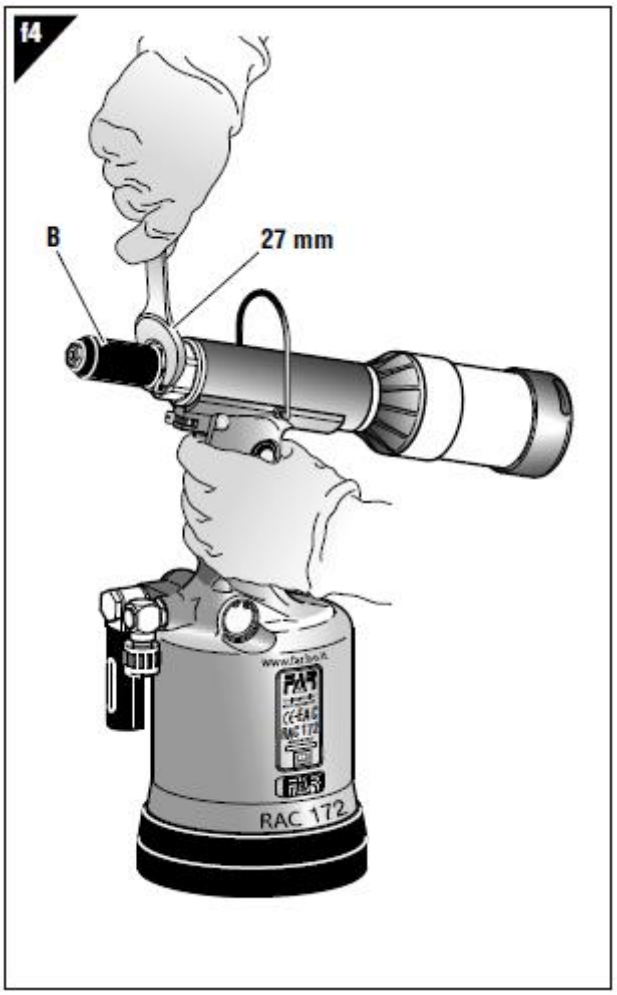


Maintenance and Change of Size (fig. f4-f5-f6-f7)

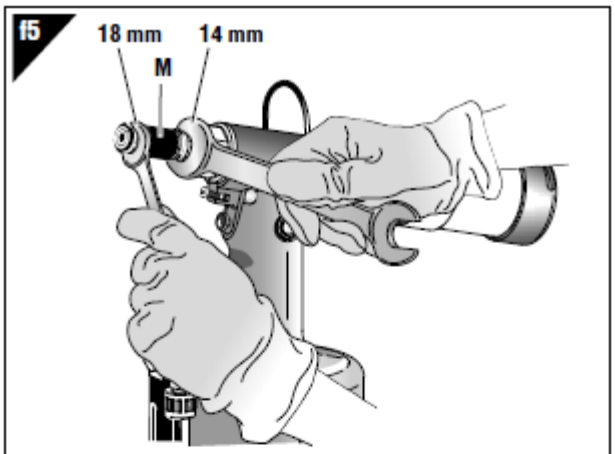
The extended utilization of the riveting tool can cause the slipping of the clamps on the nail due to the deposited impurities. For this reason, it is necessary to lubricate the clamps after having cleaned them with benzine or derivates. However, if clamps are worn out and as a consequence their working is jeopardized, replace them.
First remove the head which carries the nozzle (**B**), by means of a standard spanner of 27 mm. Then, by using two standard spanners of 18 mm and 14 mm, remove the chuck (**M**) and extract the clamps (**N**).
The riveting tool is supplied, besides the nozzles set for FAR rivets, with a series of accessories for setting high-performance blind rivets Ø 6,0 / 6,4.
When replacing the nozzle (**A**), use the proper supplied wrench.

WARNING!
Desconnect air feed when performing those operations.

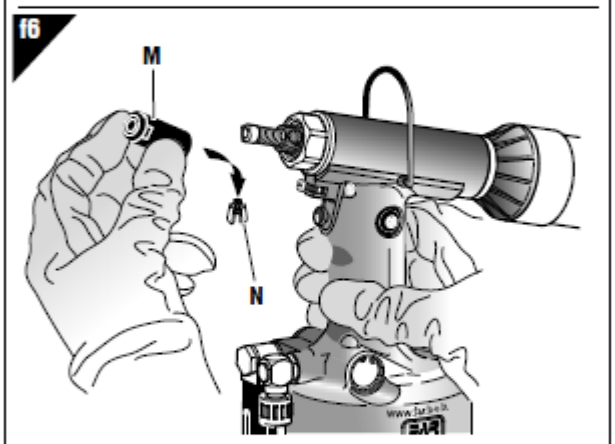
f4



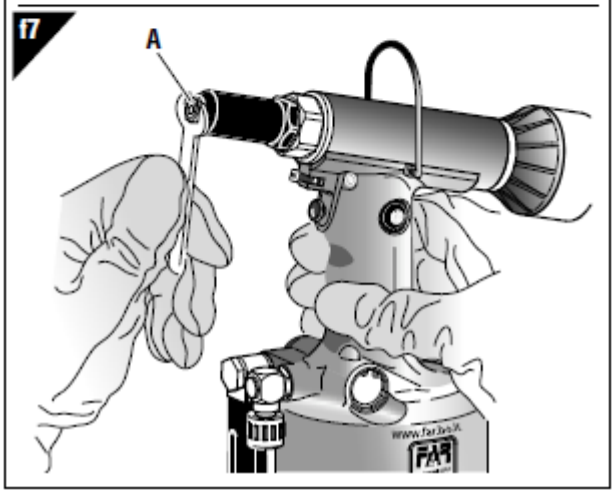
f5



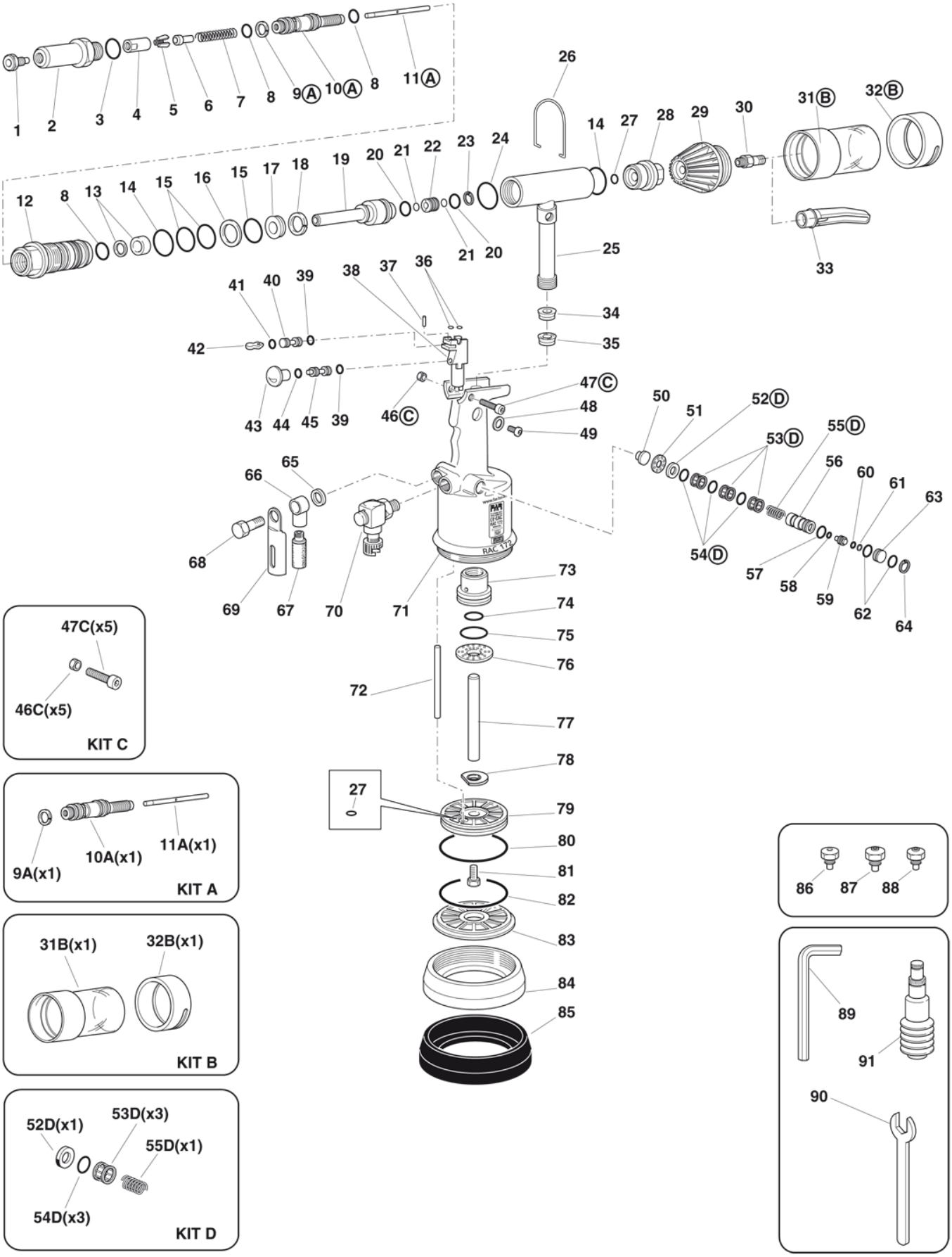
f6



f7



Spare Parts Diagram



Spare Parts List

No.	CODE	Q.ty	DESCRIPTION	KIT
01	71346128	1	Nozzle for rivet Tamp AP	
02	713253	1	Sleeve carrying nozzle	
03	711337	1	Gasket OR 2-021	
04	711356	1	Cone holding clmaps for Farbolt	
05	713213	3	Clamps for Farbolt	
06	71346125	1	Clamps opener	
07	713425	1	Clamps return spring	
08	711336	3	Gasket OR 2-114	
09A	71346130	1	Ring	A
10A	71346132	1	Cone holder	A
11A	71346126	1	Expeller sleeve	A
12	713255	1	Front connector	
13	711722	1	Gasket B-094063-B / NEI	
14	713272	2	Gasket OR 2-125	
15	713278	3	Gasket OR 2-122	
16	713277	1	Ring Parbak 8-122	
17	713276	1	Gasket TSE-134094	
18	713258	1	Anti-extrusion ring	
19	713251	1	Oil-dynamic piston	
20	713273	2	Gasket OR 17,5 x 1,5	
21	713274	2	Gasket OR 8 x 1,5	
22	713247	1	Bush	
23	711821	1	Seeger ring JV 20	
24	713275	1	Gasket OR 2-122	
25	71346133	1	Oil-dynamic cylinder	
26	71346119	1	Balancer hook	
27	710350	2	Gasket OR 2-109	
28	713250	1	Back connector	
29	711273	1	Container connector	
30	711370	1	Out put connector	
31B	710819	1	Nails container	B
32B	711136	1	Air conveyor	B
33	71345212	1	Nails baffle	
34	713279	1	Gasket TSE 14 x 23 x 6	
35	713280	1	Gasket TTS 14 x 23 x 5,8 / L	
36	710367	2	Gasket OR 2-008	
37	711234	1	Pin ø 2 x 11,8	
38	721275	1	Long valve body	
39	710918	2	Gasket OR 2-005	
40	711254	1	Valve piston	
41	711338	1	Gasket OR 2-003	
42	711261	1	Leve for inlet opening	
43	710824	1	Push button	
44	710919	1	Gasket OR 2-004	
45	711253	1	Valve piston	
46C	712145	1	Nut M 3 UNI 5587	C
47C	712144	1	Screw TCCE M3 x 20 UNI 5931	C
48	710906	1	Washer 400-020-4490	
49	710839	1	Oil tank plug	
50	711259	1	Service plug	
51	712117	1	Washer stopping spring	
52D	710840	1	Valve spacer	D
53D	710823	3	Cage	D
54D	710921	3	Gasket OR 2-115	D
55D	711158	1	Coil return spring	D
56	710841	1	Coil	
57	710916	1	Gasket OR 2-015	
58	710528	1	Gasket OR 008	
59	710822	1	Valve piston	
60	710258	1	Gasket OR 5-612	
61	710905	1	Seeger ring 11 UNI 7437	
62	710922	2	Gasket OR 018	
63	712268	1	Spring guide plug	
64	710402	1	Seeger ring 22 UNI 7437	
65	712282	1	Safety washer ø 12,7	
66	710909	1	Connector 2023 - 1/4"- 1/4"	
67	711304	1	Silencer 1/4"	
68	711305	1	Connector 1631-01 - 1/4"	
69	712162	1	Outside silencer protection	

No.	CODE	Q.ty	DESCRIPTION
70	712133	1	Rotating connector
71	721224	1	Riveting tool body
72	711252	1	Tube ø 8 x 7
73	713260	1	Rod guide connector
74	710579	1	Gasket OR 2-113
75	711339	1	Gasket OR 2-129
76	710548	1	Shock absorber
77	713259	1	Rod
78	711258	1	Washer
79	721226	1	Pneumatic piston
80	711340	1	Gasket OR 2-343
81	710596	1	Screw TE M10 x 17
82	711386	1	Gasket OR 2-045
83	711255	1	Bottom plate
84	711225	1	Cylinder cover
85	711737	1	Protection bottom
86	717019	1	Nozzle for rivet ø 6,4
87	717015	1	Nozzle for rivet Farbolt ø 6,4
88	713427	1	Nozzle for rivet Tamp AP Stainless
89	711092	1	Wrench 5 mm
90	713391	1	Flat key 12 mm
91	721387	1	Oil container

KIT

No.	CODE	Q.ty	DESCRIPTION
KITA	**74000077**		**Cone holder kit**
09A	71346130	1	Ring
10A	71346132	1	Cone holder
11A	71346126	1	Expeller sleeve
KITB	**740819**		**Nails container kit**
31B	710819	1	Nails container
32B	711136	1	Air conveyor
KITC	**742144**		**Screw M 3 kit**
46C	712145	5	Nut M 3 UNI 5587
47C	712144	5	Screw TCCE M3 x 20 UNI 5931
KITD	**740840**		**Valve spacer kit**
52D	710840	1	Valve spacer
53D	710823	3	Cage
54D	710921	3	Gasket OR 2-115
55D	711158	1	Coil return spring

KIT	It indicates that the part is sold in kits consisting of different parts in different quantities.

Aerobolt Australia Pty Ltd ■ **A:** Unit 1 / 17 Pembury Rd, MINTO NSW 2566 Australia
P: +61 2 9755 3747 ■ E: contact@huckaerobolt.com.au ■ **W:** www.huckaerobolt.com.au ■ **ABN:** 91 127 162 047