Read this manual carefully before installing, operating, servicing or repairing.

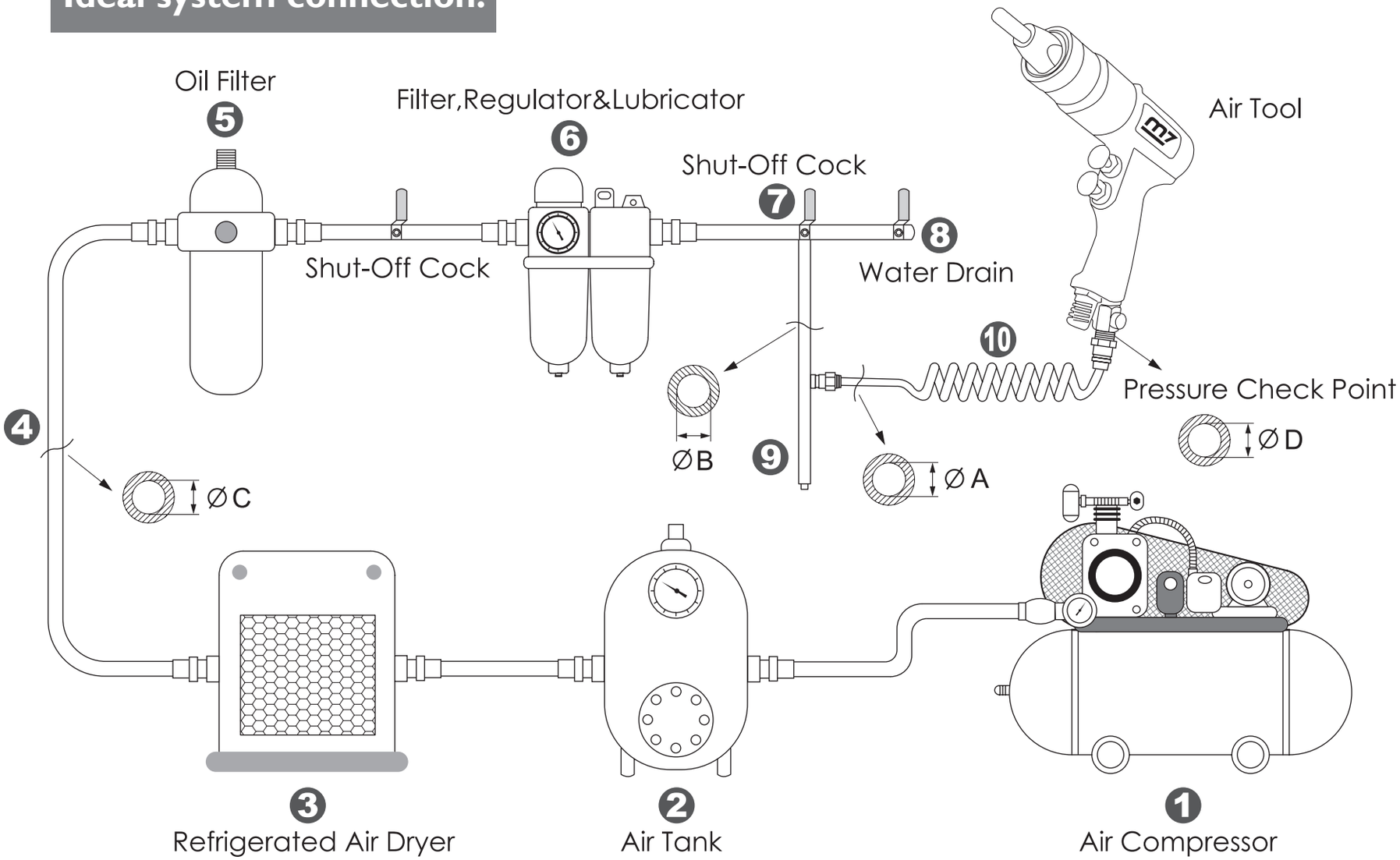
Working environment:

1. Using these tools in any potentially explosive environment is strictly prohibited.
2. It is always recommended that these types of tools must be operated when standing on a solid or firm location.
3. Always use these tools in a well ventilated area.
4. Slipping, stumbling and falling are the major causes of potential serious injury, therefore, a clean and clutter free surface in the working area before operating the tools is strongly recommended.

Air supply and connection requirements:

1. The maximum recommended air pressure during operation must not exceed 90 psi (6.3bar). Higher air pressure may create unsafe operating conditions for the tool and the user.
2. The compressed air should be cooled and have a water filter installed at the outlet end of the compressor. Even with a water filter installed, some water may still condense in the piping or hose and will enter the tool mechanism causing premature damage to the tool. Therefore, it is recommended to install an air filter-lubricator device somewhere between the tool and the compressor.
3. Always use an air compressor of the proper capacity to operate each tool.
4. Clean the hose with a blast of compressed air before connecting the hose to the air tool. This will prevent both moisture and dust inside the hose from entering the tool and causing possible rust or malfunction.

Ideal system connection:



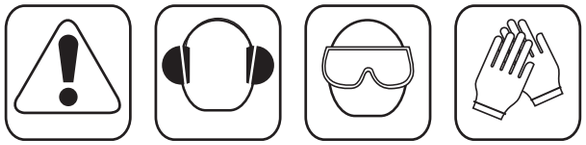
Piping diameters and length requirement:

★The diameter ΦA required for the inlet pipe (10) is recommended on the specification table.

★The diameter ΦB required for the branch pipe (from (7) to (9)) should be 2 times as large as ΦA. ΦB = 2 x ΦA

★The diameter ΦC required for the primary air supply (from (1) to (8)) should be 3 times as large as ΦA. ΦC = 3 x ΦA

★The length for the inlet pipe (10) should be less than 15 feet (4.5m).

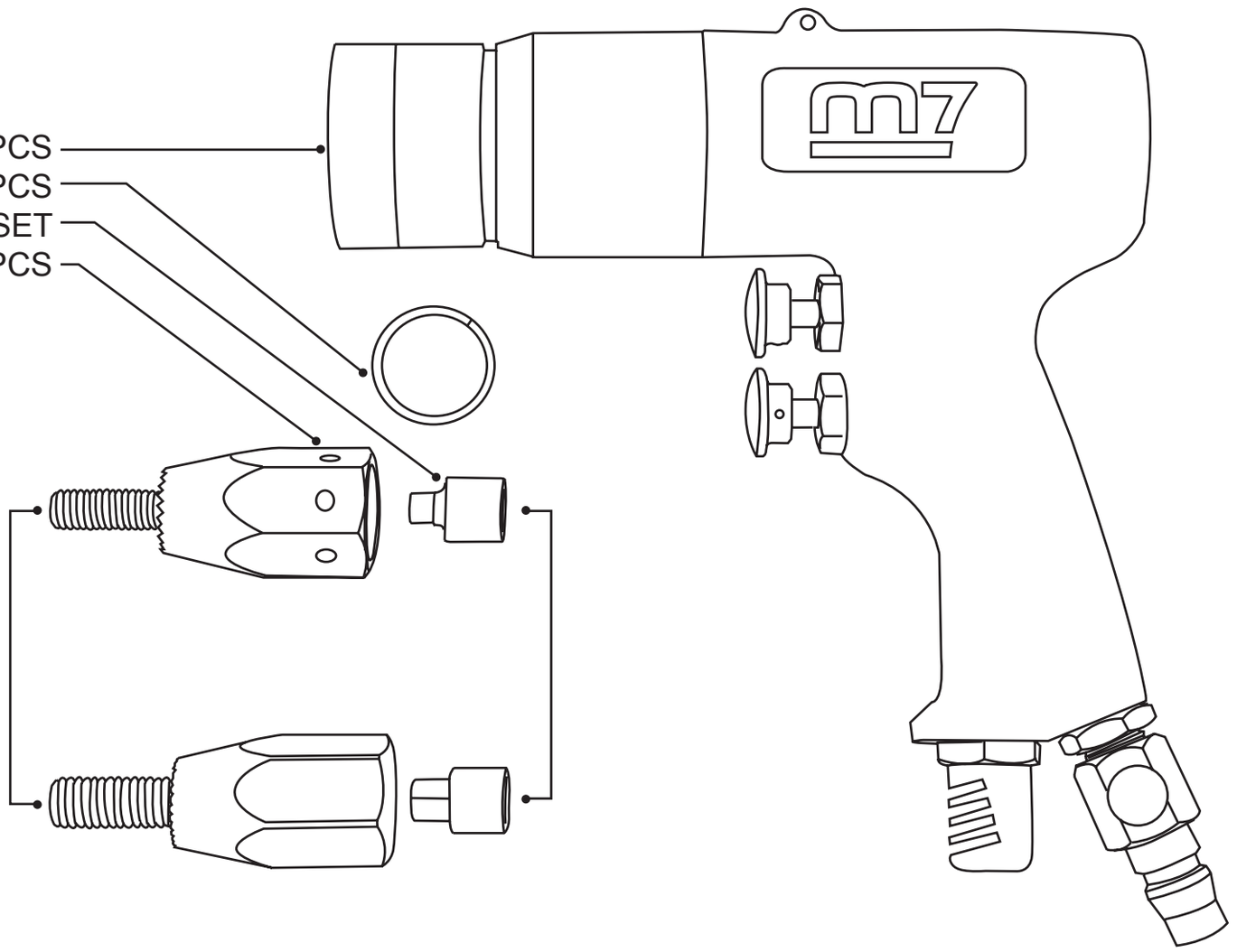


Warning:

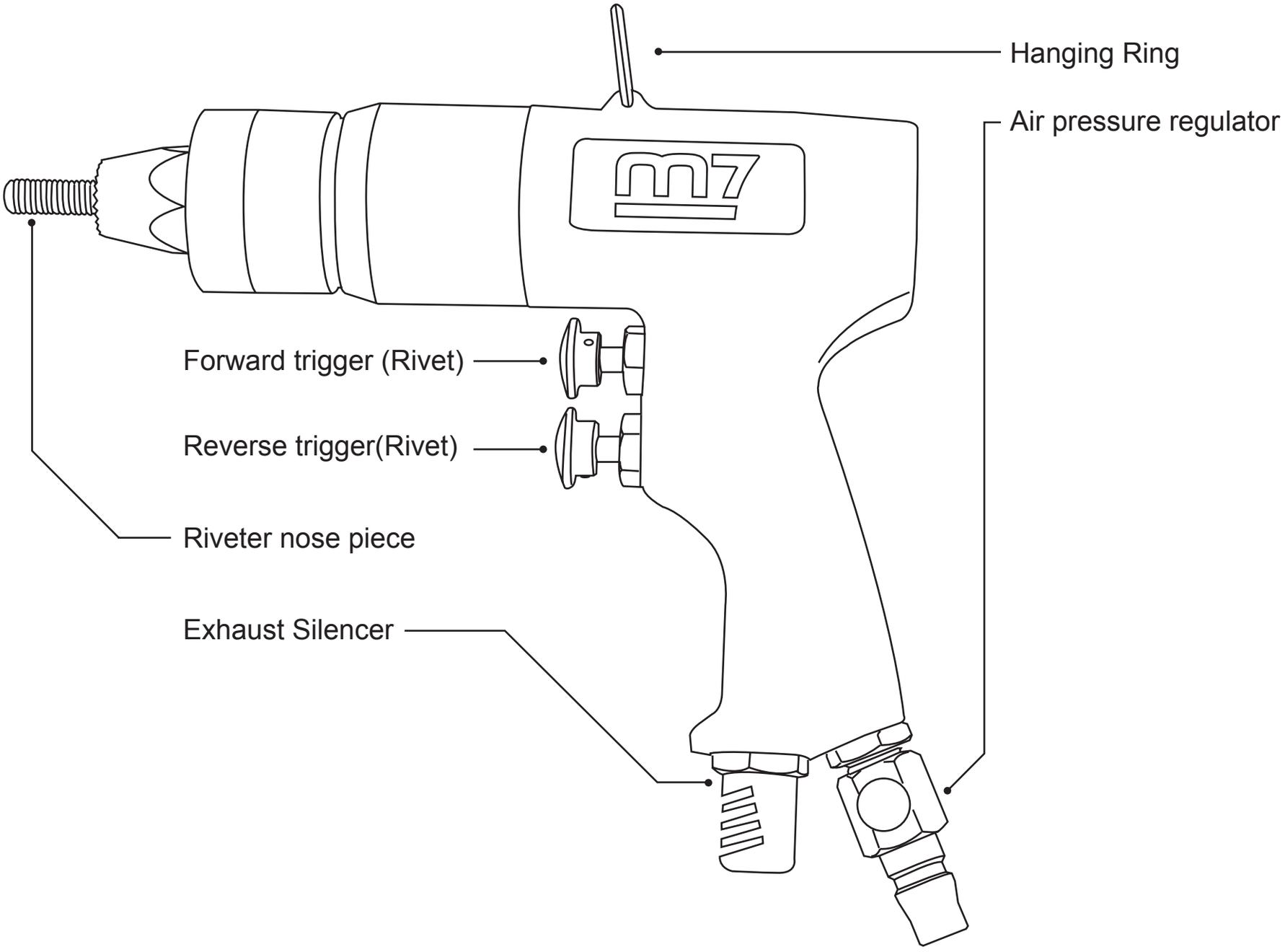
1. This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
2. This tool is specially designed for riveting sheet metals together. Any application or use of this tool other than what it is designed for is strictly prohibited.
3. High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
4. Wearing eye/face protection can reduce the danger of high-speed materials being ejected from tool use.
5. User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
6. Make sure that the all the specifications of the rivets to be used are compatible with this tool.
7. Check the protection against the ejecting of rivet stem in place and is operative.
8. Make certain to stand on a solid or firm location and keep body in well-balanced position while operating this tool.
9. Always turn off the air supply and disconnect the air hose before changing rivet nose or making adjustments on this tool.
10. Release the throttle lever to avoid danger if there is a failure of energy supply or when connecting or disconnecting the air hose.
11. Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
12. It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
13. Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.

Parts Description

1.Riveter case----------1PCS
2.Hanging ring --------1PCS
3.Riveter nose piece--2SET
4.Hex driver ----------2PCS



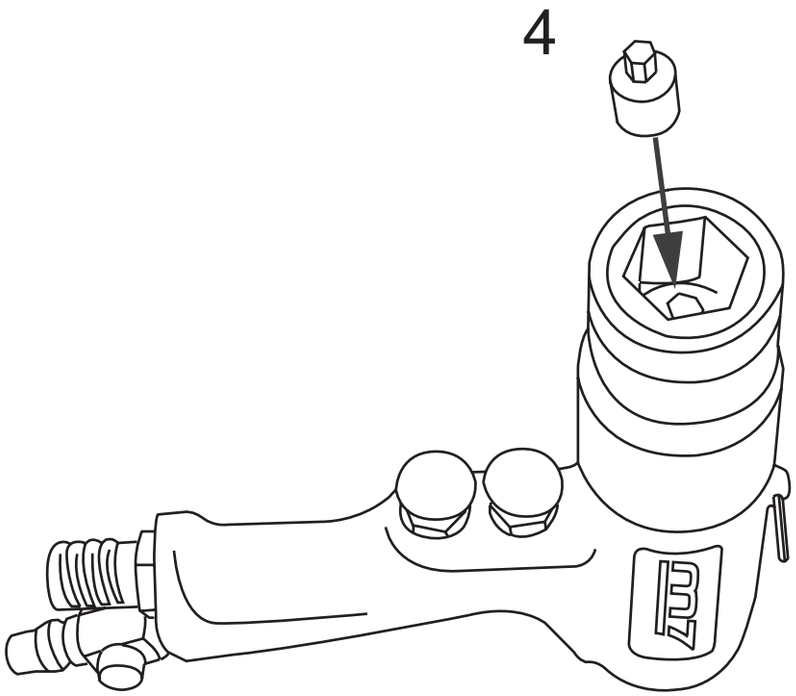
All Parts Function Illustration



Installation

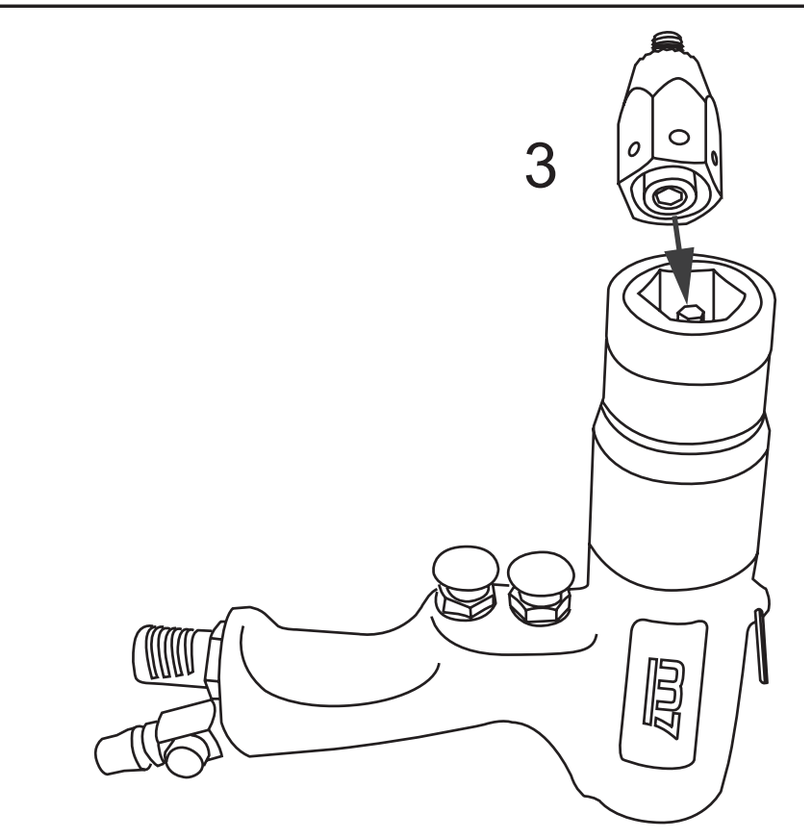
Step 1: Install the part **4** Put the Hex driver in the middle of the axis.

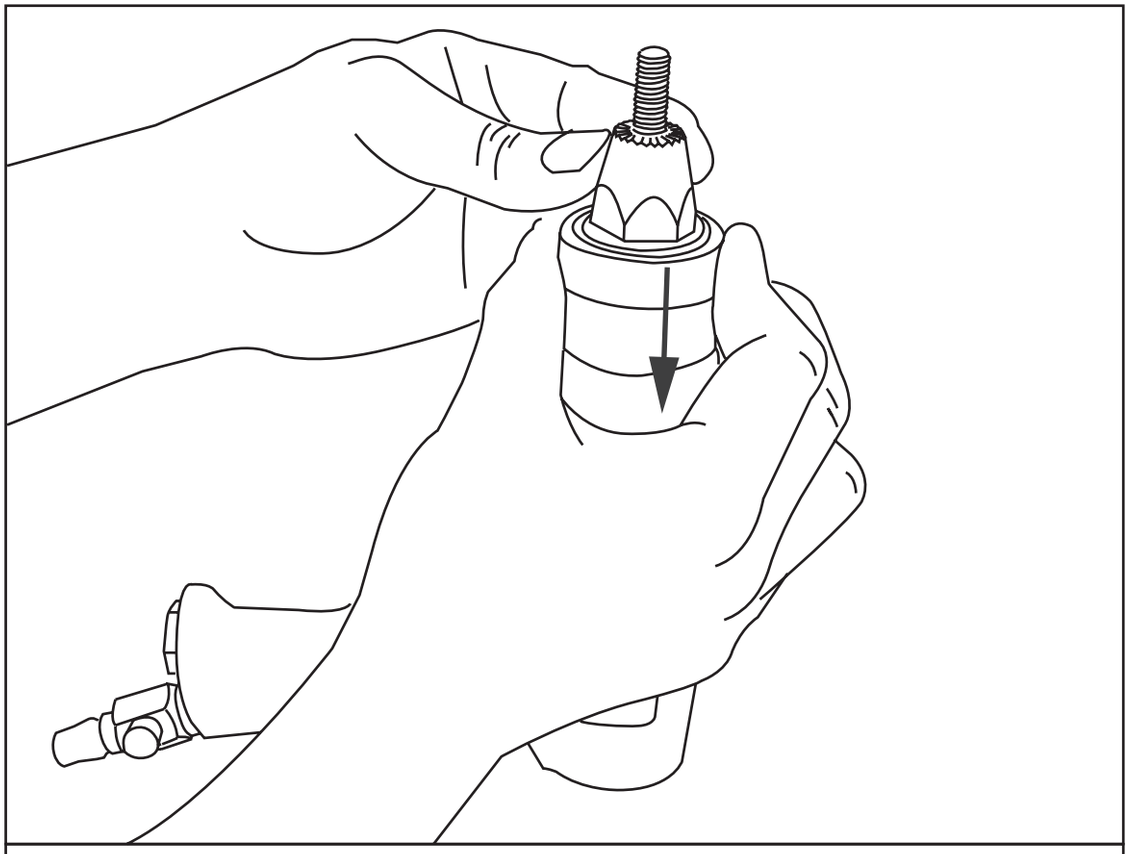
Note: The Hex connector hole should be aligned with the spindle.



Step 2: Install the part **3** The riveter nose piece.

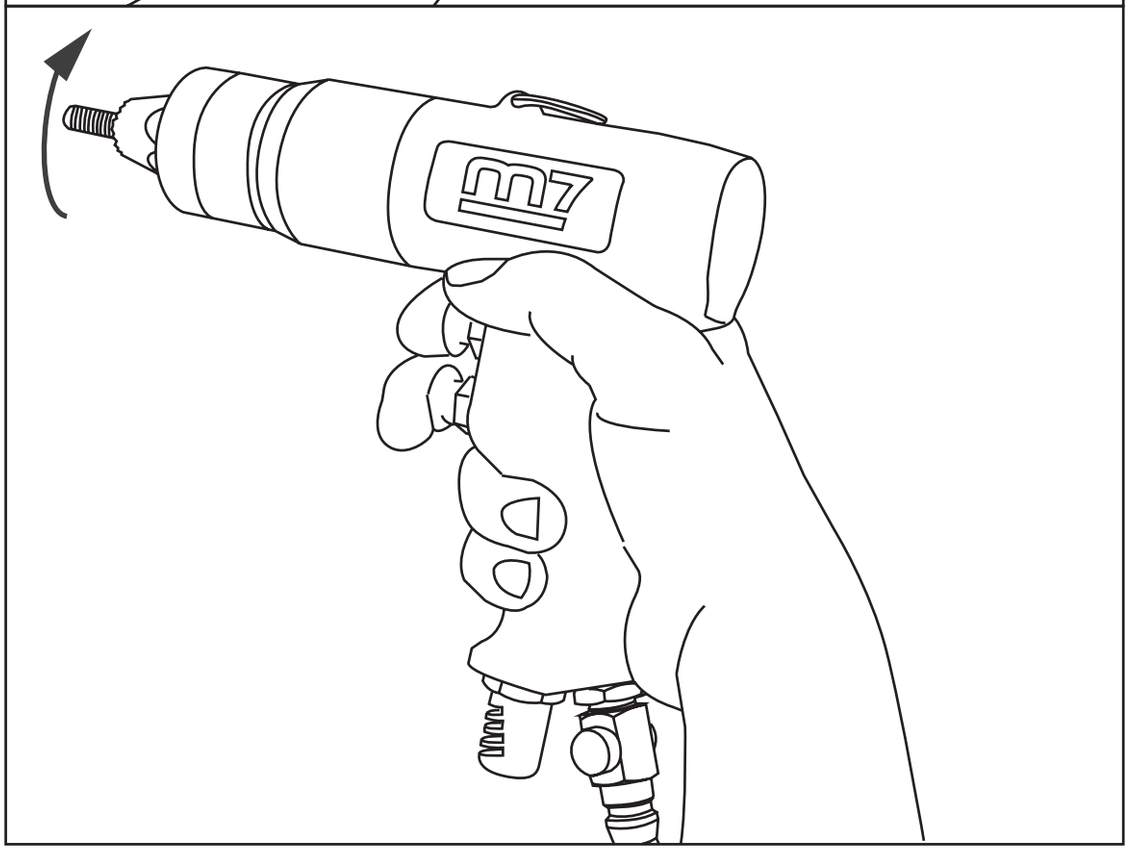
Note: After the insertion of the Hex driver, it should be perfectly aligned with the rivet head.





Step 3: Push down the outside collar of the chuck and insert the mandrel head.

Note: That it is installed properly there will be a small sound of the parts clicking together.

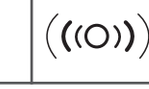


Step 4: Before using, please verify and check the correct operation and installation of the parts.

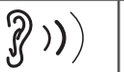
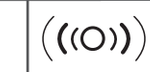
Step 5: When air pressure exceeds 90PSI (6.3BAR), please adjust the pressure valve to the recommended operating level to avoid any problem.

The use of over pressure will reduce the lifetime of the tool and may cause injury to the user.

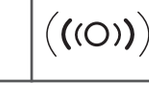
Note: Please refer to our specifications for the suggested pressure values.

Item No.	Structure	Capacity	Free Speed	Ave. Air Consumption	Air Pressure	Overall Length	Net Weight	Net Weight	Air Hose	Sound Pressure (Power) EN ISO 15744	Vibration level
		mm	*R.P.M*	*CFM*	*PSI(bar)*	*mm(Inch)*	*kg*	*LBS*	*inch*	*dBA*	*m/s²*
Illustrator											
PB-1310	Gear	M8~M10	400	7.8	90(6.3)	------	1.74	2.79	3/8"	86.0	1.6

Uncertainty K=0.5a if a≤5 m/s² or K=0.4a if a>5 m/s²

Référence	Structure	Capacité	Free Speed	Cons. D'air moyenne	Pression	Longueur	Poids	Poids	Tuyau d'air	Niveau sonore	Niveau de vibration
		mm	*R.P.M*	*CFM*	*PSI(bar)*	*mm(Inch)*	*kg*	*LBS*	*inch*	*dBA*	*m/s²*
											
PB-1310	Gear	M8~M10	400	7.8	90(6.3)	------	1.74	2.79	3/8"	86.0	1.6

Uncertainty K=0.5a if a≤5 m/s² or K=0.4a if a>5 m/s²

Artikel-Nr.	Structure	Capacity	Free Speed	Ave. Air Consumption	Air Pressure		Nettogewicht	Nettogewicht	Empf. Luftschlauch	Schalldruckpegel	Vibrationsniveau
		mm	*R.P.M*	*CFM*	*PSI(bar)*	*mm(Inch)*	*kg*	*LBS*	*inch*	*dBA*	*m/s²*
											
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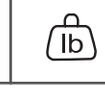
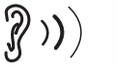
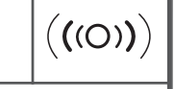
Illustrator											
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									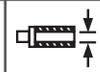	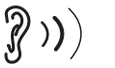	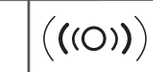
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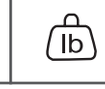
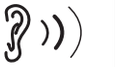
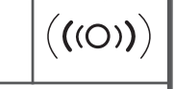
		mm	*R.P.M*	*CFM*	*PSI(bar)*	*mm(Inch)*	*kg*	*LBS*	*inch*	*dBA*	*m/s²*
											
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EC DECLARATION OF CONFORMITY

Original Language

Serial Number: Please refer to the tool

Air Hydraulic Riveters

Item No.: PB-1310
6.3 bar (90. psi)

We declare under our own responsibility that the above machinery fulfils all the relevant provisions of (MD) Machinery Directive 2006/42/EC and its amendment and is manufactured and tested according to the following standards:
EN ISO 11148-1 / EN ISO 15744 / EN ISO 20643+A1

Declared in: Taichung, Taiwan
Dated:2013/06/01

Signature

Jonney Chen
Declared by: QA Manager

Manufacturer:

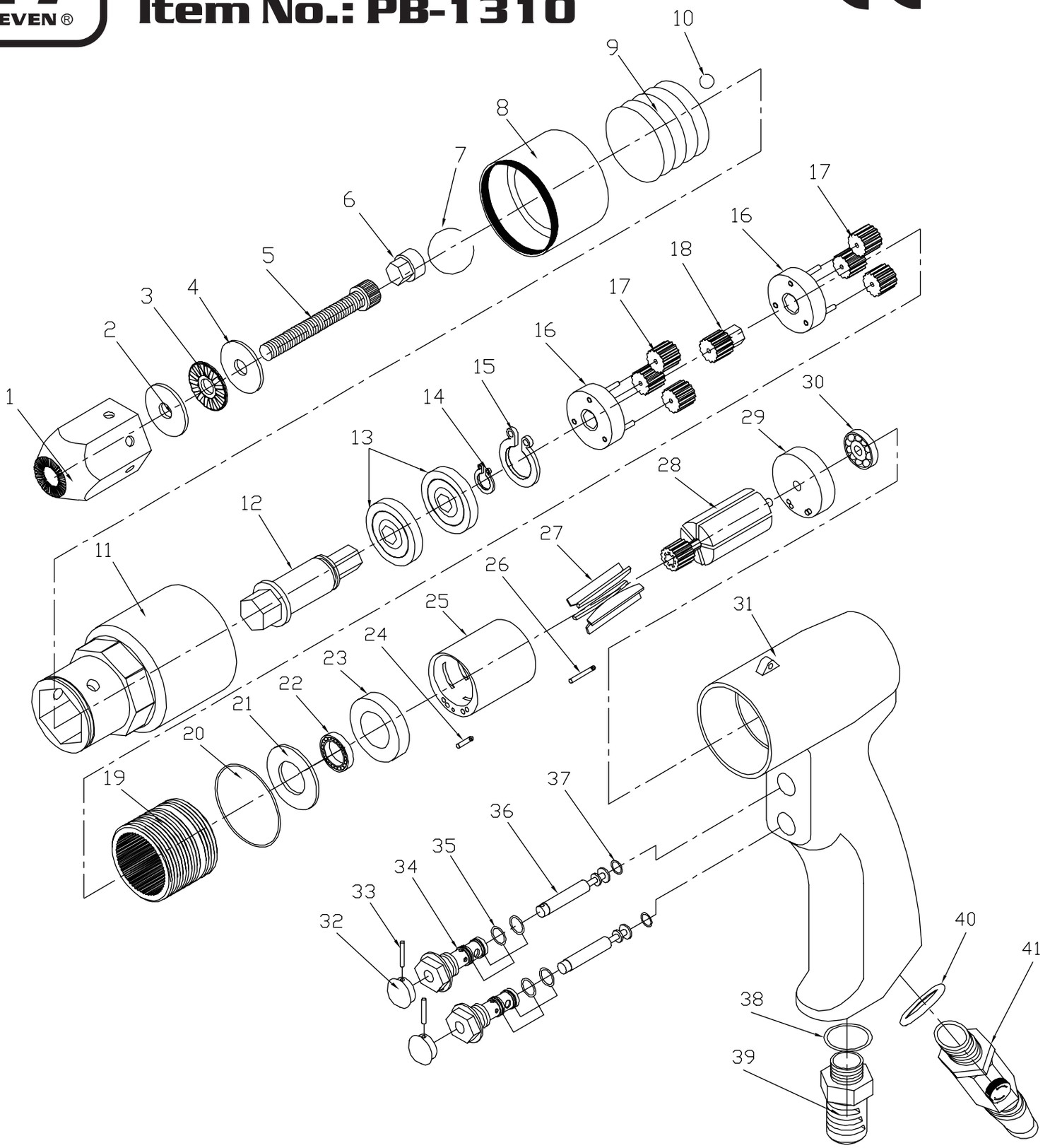
Mighty Seven International Co., Ltd.
No. 70-25, Ching Quang Rd., Wujih Dist.,
Taichung City, 41466 Taiwan
http://www.mighty-seven.com

uthorized contact to compile the technical file:

King Tony France
3 Rue des imprimeurs ZI République Nord 1.
86000 POITIERS FRANCE
TEL: (+33)5-49-30-30-90
E-MAIL: christian.aubineau@kingtony.eu

Air Hydraulic Rivet Nut Toolr

Item No.: PB-1310



Part List Item No.: PB-1310 CE

NO.	PART NO.	DESCRIPTION	Q'TY
1	---	Nose Piece	1
2	---	Washer	1
3	---	Bearing	1
4	---	Washer	1
5	---	Screw	1
6	---	Ole Driver Hexagon	1
7	PB-1310P07	C-Shape Ring	1
8	PB-1310P08	Bit Sleeve	1
9	PB-1310P09	Sleeve Spring	1
10	PB-1310T10	Bit Lock Ball (3 pcs)	1 SET
11	PB-1310P11	Nose Housing	1
12	PB-1310P12	Bole Driver For Bearing	1
13	PB-1310T13	Bearing (2 pcs)	1 SET
14	PB-1310P14	C-Shape Ring	1
15	PB-1310P15	C-Shape Ring	1
16	PB-1310T16	Gear Cage (2 pcs)	1 SET
17	PB-1310T17	Planet Gear (6 pcs)	1 SET
18	PB-1310P18	Transmission Planet Gear	1
19	PB-1310P19	Internal Gear	1
20	PB-1310P20	O-Ring	1
21	PB-1310P21	Washer	1
22	PB-1310P22	Bearing	1

NO.	PART NO.	DESCRIPTION	Q'TY
23	PB-1310P23	Front End Plate	1
24	PB-1310P24	Pin	1
25	PB-1310P25	Cylinder	1
26	PB-1310P26	Pin	1
27	PB-1310T27	Rotary Blade (5 pcs)	1 SET
28	PB-1310P28	Rotator	1
29	PB-1310P29	Rear End Plate	1
30	PB-1310P30	Bearing	1
31	PB-1310P31	Motor Case	1
32	PB-1310T32	Switch Lever (2 pcs)	1 SET
33	PB-1310T33	Pin (2 pcs)	1 SET
34	PB-1310T34	Air Inlet Switch (2 pcs)	1 SET
35	PB-1310T35	O-Ring (4 pcs)	1 SET
36	PB-1310T36	Air Valve (2 pcs)	1 SET
37	PB-1310T37	O-Ring (2 pcs)	1 SET
38	PB-1310P38	O-Ring	1
39	PB-1310P39	Silencer Case	1
40	PB-1310P40	O-Ring	1
41	PB-1310P41	Air Regulator	1
	PB-1310T01	Nose Piece for M10 (1.2.3.4.5.6)	1 SET
	PB-1310T02	Nose Piece for M8 (1.2.3.4.5.6)	1 SET