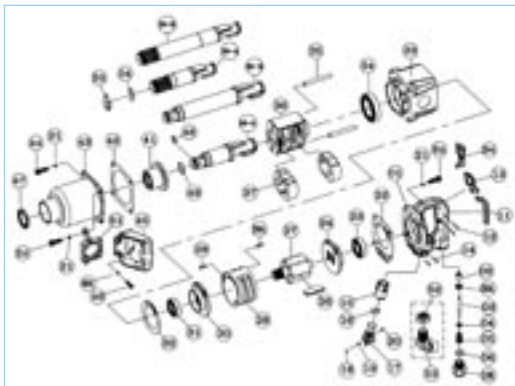


	Code	Description
1	615881	Trigger handle
2	615882	Throttle valve bushing
2A	615883	Throttle valve seat
3	615884	Throttle valve plunger
4	615885	Throttle valve
5	615886	Throttle valve spring
6	615887	O-ring
10B	615888	Straight air inlet
11	615889	Rubber cap
12	615890	Trigger pin
13	615891	Inside trigger
13A	615892	Outside trigger
14	615893	Pin

	Code	Description
15	615894	Reverse valve bushing
16	615895	o-ring
17	615896	Reverse valve
18	615897	Steel ball
19	615898	Spring
20	615899	Pin
21	615900	Washer
21A	615901	Screw
22	615902	Handle gasket
23	615903	Rear motor bearing
24	615904	Rear end plate
26	615905	Rotor blade
27	615906	Rotor

	Code	Description
28	615907	Cylinder
29	615908	Pin
29A	615909	Pin
30	615910	Front end plate
31	615911	Front end bearing
32	615912	End plate gasket
33	615913	Motor housing
34	615914	Bearing
35	615915	Hammer pin
36	615916	Hammer frame
37	615917	Hammer
38A	615918	Standard anvil
38B	615919	6" extended anvil
39A	615920	Spline drive anvil
39B	615921	6" spline drive anvil
41	615922	Hammer case bushing
42	615923	Hammer case gasket
43	615924	Hammer case
44	615925	Screw
45	615926	Side spade handle
46	615927	Screw
46A	615928	Washer
47	615929	Hammer case seal
48	615930	Socket retainer O-ring
49	615931	Socket retainer
51	615932	Support handle
52	615933	Angle air inlet
53	615934	Air inlet
54	615935	Socket retainer O-ring
55	615936	Socket retainer
56	615937	Tune-up (incl.2a, 6, 16)





Square Drive	S.T.D Bolt Size		Free Speed	Max. Torque		Overall Length		Air Inlet	Air Hose	Avg. Air Consumption		Net Weight		Sound Pressure	Vibration	
	inch	inch		mm	R.P.M	ft-lb	N.M			inch	mm	cfm	l/min			lbs
1	1	27/64	M36	4000	1800	2439	19 1/2	495	1/2	3/4	9	255	27,5	12,50	99	34,6

Pneumatic reversible hammer 1591 apply to PREN 792 -6.

Vibration level per ISO 8662-7

Noise level according to ISO 3746:1995 (E)

Maximum air pressure: 6.2 BAR (90 PSI)



WARNING :

- * always read the instruction before using power tools
- * always wear safety goggles
- * wear hearing protection
- * Avoid prolonged exposure to vibration

OPERATING INSTRUCTION

1. Warning

1.1 Air pressure :

The air pressure must be restricted at or less than the maximum pressure of 90 psi (6.2 bar), do not exceed it.

1.2 Air line :

Use an air hose between the compressor and the tool. The corresponding hose internal diameter is recommended in the attached table in the data sheet. Compressed air is cooled and its water content separated as soon as the air leaves the compressor. However some of the water is condensed in the piping, and can enter the tool mechanism and cause damage. An air filter and an oiler should be installed between the compressor and the tool. Use a recommended compressor in the date sheet or larger for each tool.

1.3 Air hose

Clean the hose with a blast of compressed air before connecting the hose to air tool. This will prevent both moisture and dust within the hose from entering the tool and causing possible rust or malfunction. To compensate for unusually long hose (over 25ft) the line pressure should be increased accordingly.

1.4 Sockets :

The tool is used fastening or loosening of threaded fasteners. The sockets must be of the impact type with suitable square drive dimension. Do not use any other type of socket.

1.5 Approved eye protection, mask, hearing protection and gloves shall be worn when operate this tools.

1.6 The working place shall be ventilated.

1.7 Release the on-off device in case of air supply failure.

1.8 Ensure that the power tool is firmly attached when using a suspension device.

1.9 Release the start and stop switch in case of a failure of energy supply.

1.10 Use only a lubricant recommended by the manufacturer.

2. Operation method

2.1 On-off switch

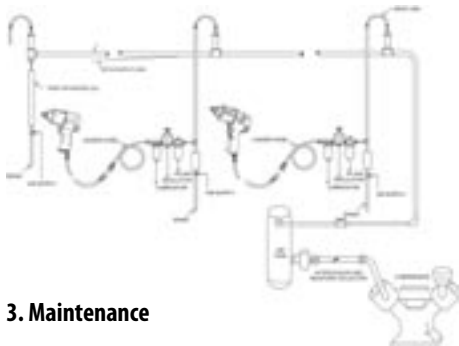
The on-off switch is on the inside or outside of the grip. It is a "hold-to-run" type. This tool stops rotation in a few seconds after releasing the lever. For the sake of safety, please ensure it has completely stopped before touching.

2.2 Torque adjuster :

You can adjust the torque by rotation the knob. Torque is indicated by numbers. Lower number indicates lower output torque setting and vice versa.

2.3 Rotating direction :

Ensure the direction of rotation is correct before operation. The "F" indicates forward and the "R" indicate reverse. Forward is defined as clockwise viewed from the operators position.



3. Maintenance

3.1 Lubrication :

Before connecting the hose, apply 4 to 5 drops of # 60 spindle oil at the inlet. Use of a thicker oil can lead to reduced performance of malfunction. Also oil after every 3 to 4 hours of operation.

3.2 Storage :

Avoid storing the tool in a location subject to high humidity. If the tool is left as it is used, the residual moisture inside the tool can cause rust. Before storing and after operation, oil the tool at the air inlet with spindle oil and run it for a short time.

3.3 Ordering service part .

For further operational and handling information or for replacement of parts and components contact the outlet from where you purchased the tool or the service division of your company.

WARNING

1. The tool should not be used in potentially explosive atmospheres
2. Disconnect the air hose before changing or adjusting any sockets.
3. Before using the tool, please ensure that all connections are secure. Loose air hoses may become disconnected and may be caught in the revolving spindle.
4. Prevent loose clothes, long hair etc. from coming into contact with the revolving spindle, as this could cause injury.
5. Excessive high air pressure that exceeds the recommended maximum pressure may cause injuries to the user.
6. Keep your body in well balanced position and always wear gloves to reduce the risk of becoming trapped due to torque between handle and work piece.
7. Prolonged exposure to vibration can cause injury.
8. Ensure that you are aware of the direction of rotation before starting the tool. Failure to do so may cause injury.
9. Slip/trip/fall is a major reason of serious injury. Beware of excess hose left on the workplace floor.
10. Wearing eye/ face protector reduce the danger

to the operator from flying objects caused by socket failure or other reasons.

11. Wearing correct breathing protection could avoid inhaling dust or debris from work process that can be harmful to your health.
12. Never operate the tool away from the workplace. It may cause the accessories to be detached from the tool and cause injury to someone in the vicinity.
13. High sound level can cause permanent hearing loss. Use hearing protection while operating the tool.
14. The ratchet wrench may kickback and cause injury if the nut is too tight. In this situation use manual operation to loosen the nut before continuing to use the power tool.
15. Unexpected tool movement due to reaction forces or breakage of sockets or reaction bar may cause injuries.
16. There is a risk of being injured specially when working in confined areas if hands are not kept away from the reaction bar. Keep hands away from the socket.
17. In case of socket failure, there may be danger to people from fragments being flying from the impact wrench.
18. Be aware of whipping compressed air hose.
19. The power tool is not insulated and must be kept away from electric power source.

Warranty:

Unior d.d. offers one year free charge service warranty to the products supplied by Unior d.d. and authorized dealers.

All products are warranted under following conditions :

- one year from the date of purchase for tools with Unior brand name
- the free charge service only applies to defects in material and workmanship. The guarantee becomes invalid if the tool has been improperly used or has been repaired using non genuine spare parts and/or has been modified or repaired by someone other than UNIOR d.d. authorized service representatives

UNIOR d.d.

Kovaška cesta 10, 3214 Zreče, SLOVENIA

EU Declaration of Conformity

Hereby, we declare under our sole responsibility that the following product **Article 1591 Pneumatic reversible hammer**, the serial number and year of production marked on the product, are in conformity with essential safety and health requirements EU Machinery directive 98/37/ES following provisions of the harmonized standards mentioned below: EN 792-6:2000 - Hand-held non-electric power tools - Safety requirements - Part 6: Assembly power tools for threaded fasteners EN ISO 8662-7:2000 - Hand-held portable power tools - Measurement of vibrations at the handle EN ISO 3746: 1997 - Acoustic - Determination of sound power levels of noise sources using sound pressure

Zreče, December 2004

Gorazd Korošec, President

Name and signature of the authorized person

