

Air Impact Screwdriver

Model No.: RP7225

AEROPRO
ENGINEERED FOR PROFESSIONALS



IMPORTANT:

Upon receipt of the product, read and follow all safety rules, operating instructions before first use it. And retain this manual for future reference.

Residual risks

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

1. Damage to lungs if an effective dust mask is not worn.



2. Damage to hearing if effective hearing protection is not worn.



3. Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

4. Wear eye protection.



2014



Technical Data

Square drive.....	1/4"
Capacity Bolt Size	3-5(mm)
Free speed.....	11,000rpm
Max torque.....	33 ft/lb(45N.m)
Avg.air consumption.....	4cfm(114 l/min)
Operating pressure.....	90psi(6.3bar)
Air inlet size.....	1/4"
Air hose.....	3/8" ID
Weight.....	1.83Lbs(0.76kgs)

Important Safety Rules

1. Follow all workshop safety rules, regulations, and conditions when using screwdriver.
2. Do not wear watches, rings bracelets or loose clothing when using air tools.
3. **WARNING!** Disconnect from air supply before changing accessories or servicing.
4. Maintain the tools in good condition and replace any damaged or worn parts. Use genuine parts only. Non-authorized parts may be dangerous.
5. **WARNING!** Check correct air pressure is maintained and not exceeded. We recommend 90psi.
6. Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
7. Wear approved safety eye/face shield, ear defenders, and hand protection.
8. **WARNING!** Due to the possible presence of asbestos dust from brake linings, when working around vehicle brake systems we recommend you wear suitable respiratory protection.
9. Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
10. Keep children and non essential persons away from the working area.
11. DO NOT use the wrench for a task it is not designed to perform.
12. DO NOT use screwdriver if damaged or thought to be faulty.
13. DO NOT use screwdriver unless you have been instructed in its use by a qualified person.
14. DO NOT carry the screwdriver by the air hose at yourself or others.
15. DO NOT direct air from the air hose at yourself or others.
16. When not in use disconnect from air supply and store in a safe, dry, childproof location.

Operating Instruction

Description

Air impact screwdriver, high torque, compact & light weight, simple to change bit with quick chuck, powerful smooth-operation designed for high starting torque, Ideal for general industry, aluminium window and door manufacturing, automotive repair, body shop and furniture manufacturing.

1. Ensure screwdriver air valve (or trigger) is in the “off” position before connecting to the air supply.
2. It will require air pressure of 90psi, and air flow according to specification.
3. **WARNING!** Ensure the air supply is clean and does not exceed 90psi while operating the screwdriver. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage or personal injury.
4. Drain the air tank daily. Water in the air line will damage the screwdriver.
5. Clean air inlet filter weekly.
6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The hose diameter should be 3/8” I.D.
7. Keep hose away from heat, oil and sharp edges. Check hose for wear, and make certain that all connections are secure.

Lubrication

An automatic in-line filter-regulator-lubricator is recommended (Fig4) as it increases tool life and keeps the tool in sustained operation. The in-line lubricator should be regularly checked and filled with air tool oil.

Proper adjustment of the in-line lubricator is performed by placing a sheet of paper next to the exhaust ports and holding the throttle open approximately 30 seconds. The lubricator is properly set when a light stain of oil collects on the paper. Excessive amounts of oil should be avoided.

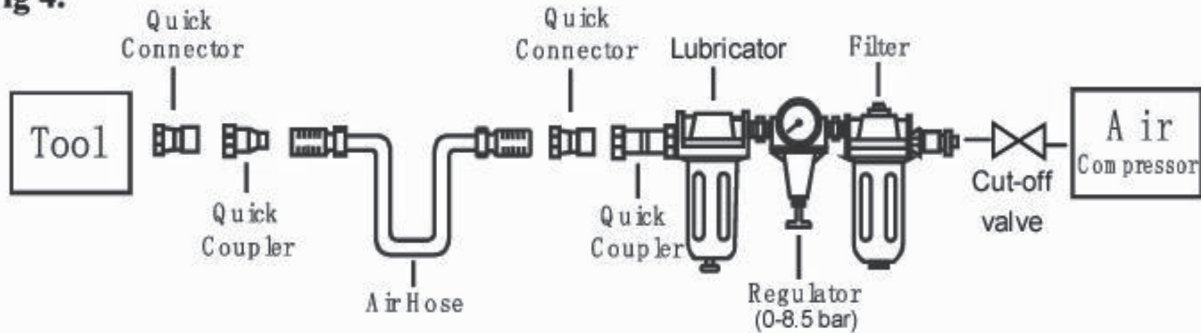
In the event that it becomes necessary to store the tool for an extended period of time (overnight, weekend, etc.), it should receive a generous amount of lubrication at that time. The tool should be run for approximately 30 seconds to ensure oil has been evenly distributed throughout the tool. The tool should be stored in a clean and dry environment.

- It is most important that the tool be properly lubricated by keeping the air line lubricator filled and correctly adjusted. Without proper lubrication the tool will not work properly and parts will wear prematurely.
- Use the proper lubricant in the air line lubricator. The lubricator should be of low air flow or changing air flow type, and should be kept filled to the correct level. Use only recommended lubricants, specially made for pneumatic applications. Substitutes may harm the rubber compounds in the tools, O-rings and other rubber parts.

IMPORTANT!!!

If a filter/regulator/lubricator is not installed on the air system, air operated tools should be lubricated at least once a day or after 2 hours work with 2 to 6 drops of oil, depending on the work environment, directly through the male fitting in the tool housing.

Fig 4.



Loading and operation

WARNING: Ensure you read, understand and apply safety instructions before use.

1. Only use screwdriver head which are specifically designed for use with air impact screwdriver.
 2. Connect the screwdriver to the air hose .
 3. Place the socket over the subject nut and depress the trigger to operate the screwdriver.
 4. To change trigger direction at the top of the handle. Turn the direction valve “L” for reverse and “R” for forward.
 5. The flow of air may be regulated by adjusting flow valve at the base of the handle.
 6. Ensure the air supply is clean and does not exceed 90psi while operating the tool. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage or personal injury.
 7. Make children away from the tools and workplaces.
- DO NOT use any additional force upon the screwdriver in order to remove a nut.
DO NOT allow screwdriver to free run for an extended period of time as this will shorten its life.

Maintenance

WARNING: Disconnect screwdriver from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use genuine parts only. Non-authorized parts may be dangerous.*

1. Lubricate the air screwdriver daily with a few drops of air tool oil dripped into the air inlet
- 2 DO NOT use worn, or damaged screwdriver head.
3. Loss of power or erratic action may be due to the following:
 - a) Excessive drain on the air line. Moisture or restriction in the air pipe. Incorrect size or type of hose connectors. To remedy check the air supply and follow instructions.
 - b) Grit or gum deposits in the screwdriver may also reduce performance. If your model has an air strainer (located in the area of the air inlet), remove the strainer and clean it.
4. When not in use, disconnect from air supply, clean screwdriver and store in a safe, dry, childproof location.

Trouble Shooting

The following form lists the common operating system with problem and solutions. Please read the form carefully and follow it.

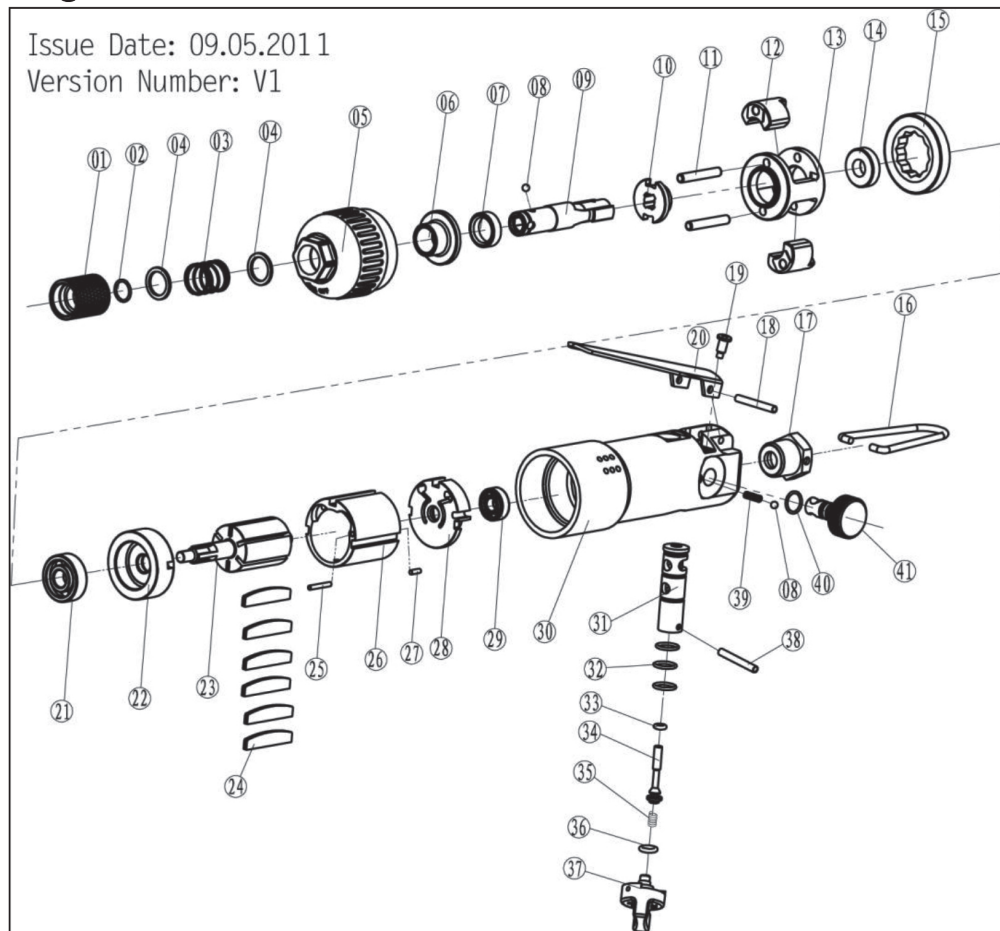
⚠ WARNING: If any of the following symptoms appears during your operating, stop using the tool immediately, or serious personal injury could result. Only a qualified persons or an authorized service center can perform repairs or replacement of tool.

Disconnect tool from air supply before attempting repair or adjustment. When replacing O-rings or Cylinder, lubricate with air tool oil before assembly.

<i>PROBLEMS</i>	<i>POSSIBLE CAUSES</i>	<i>REMEDIES</i>
Tool runs at normal speed but loses under load	<ul style="list-style-type: none"> ■ Motor parts worn. ■ Cam clutch worn or sticking due to lack of lubricant. 	<ul style="list-style-type: none"> ■ Lubricating clutch housing. ■ Check for excess clutch oil. Clutch cases need only be half full. Overfilling can cause drag on high speed clutch parts, ie. a typical oiled/lubricated wrench requires 1/2 ounce of oil. <p>GREASE LUBRICATED:NOTE: Heat usually indicates insufficient grease in chamber. Severe operating conditions may require more frequent lubrication.</p>
Tool runs slowly. Air flows slightly from exhaust	<ul style="list-style-type: none"> ■ Motor parts jammed with dirt particles ■ Power regulator in closed position ■ Air flow blocked by dirt. 	<ul style="list-style-type: none"> ■ Check air inlet filter for blockage. ■ Pour air tool lubricating oil into air inlet as per instructions. ■ Operate tool in short bursts quickly reversing rotation back and forth where applicable. ■ Repeat above as needed.
Tools will not run. Air flows freely from exhaust	<ul style="list-style-type: none"> ■ One or more motor vanes stuck due to material build up. 	<ul style="list-style-type: none"> ■ Pour air tool lubricating tool into air inlet. ■ Operate tool in short bursts of forward and/or reverse rotation where applicable. ■ Tap motor housing gently with plastic mallet. ■ Disconnect supply. Free motor by rotating drive shank manually where applicable
Tool will not shut off	<ul style="list-style-type: none"> ■ 'O' rings throttle valve dislodged from seat inlet valve. 	<ul style="list-style-type: none"> ■ Replace 'O' ring.

Note: Repairs should be carried out by a qualified person.

Exploding view & Parts list



No.	Description	Qty.	No.	Description	Qty.	No.	Description	Qty.	No.	Description	Qty.
1	shaft sleeve	1	12	Hammer dog	2	23	Rotor	1	34	Pin	1
2	Steel ring	1	13	Hammer case	1	24	Rotor Blades	6	35	Compression spring	1
3	Spring	1	14	Washer	1	25	Cylinder pin2*6	1	36	O-ring 5*1.8	1
4	Washer	2	15	Lock ring	1	26	Cylinder	1	37	Directional button	1
5	Gun body cover	1	16	Pothook	1	27	Cylinder pin2*14	1	38	Pin 2*18	1
6	Anvil bushing	1	17	Air inlet plug	1	28	Rear Cover	1	39	Directional spring	1
7	Bush	1	18	Pin 3*24	1	29	Bearing	1	40	O-ring 5*1.6	1
8	Steel ball Dw=3.175	2	19	Bolt	1	30	Gun body	1	41	Regulator	1
9	Crank shaft	1	20	Trigger	1	31	Valve bush	1			
10	Cam	1	21	Bearing	1	32	O-ring 8.5*1.2	3			
11	Hammer pin	2	22	Front cover	1	33	O-Ring 2.4*1.8	1			

Note: Please contact with us if customer need to know parts material .

If you need spare parts of this model, pls feel free to contact us or the distributor where you bought this tool. Tks!