LASER®

Part No. 8788

Reciprocating Air Saw

Instructions

www.lasertools.co.uk

Introduction

Features an easy-to-use safety lock-off throttle lever, speed control, adjustable-position rear exhaust, and the built-in, dual-speed design lengthens blade lifespan, with the high-speed mode allowing the tool to cut faster.

Vibration-damping system: low vibration reduces user fatigue — vibration level 12.9m/s2. Ergonomic design with superior aluminium alloy material for optimal strength. The rear exhaust port is also adjustable through 360° to direct the exhaust air away from the work area. Two types of blade are included (14 tpi, 18 tpi & 24 tpi). Spare blades are available.

Components

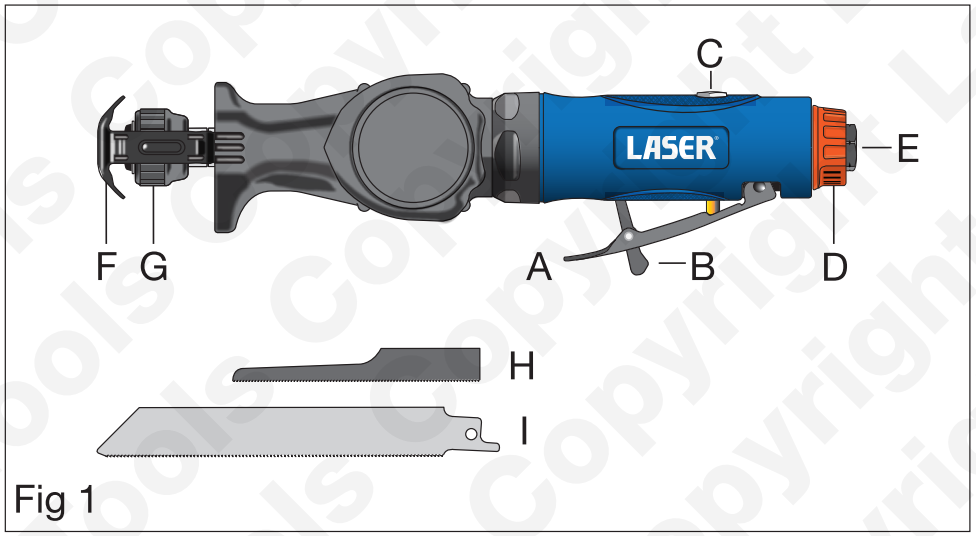

Fig 1

Ref.	Description
A	Trigger
B	Trigger Safety Lock
C	Speed Control
D	Rotating Adjustable Exhaust Port
E	Air Inlet
F	Blade Guard
G	Quick-change Retainer Chuck
H	Blades (24 tpi + 18 tpi + 14 tpi)
I	Blade (14 tpi)

Instructions

Compressed Air Supply

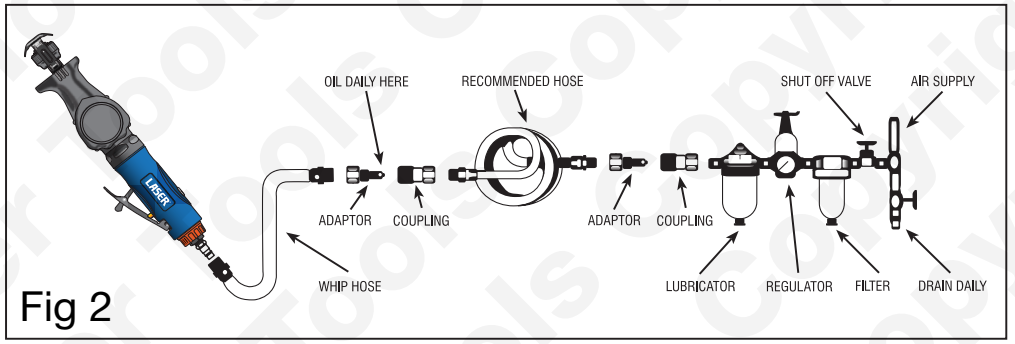

Fig 2

The tool must be connected to a suitable, clean, dry and lubricated workshop air supply (refer to **Figure 2**, this is the recommended workshop air supply procedure). It is recommended that the air pressure measures 90psi at the tool while running free. Water in the air line will damage the tool. Drain the air tank daily and drain any dryer/filter unit when necessary.

Operation

Lubrication:

For first use of the tool, add a few drops of high quality air tool oil to the tool air inlet (**E**). In use, if an in-line oiler is not installed, add a few drops of high quality air tool oil daily, squirted into the tool air inlet. Adequate lubrication will help to ensure long tool service life.

Note: after an air tool has been directly lubricated, oil will discharge through the exhaust port during the first few seconds of operation. Cover the exhaust port (**D**) with a cloth to collect this discharged oil.

When tool is not in use, disconnect from compressed air supply.

Regulating the speed:

Refer to **Figure 3**: the speed of the instrument is adjusted by turning the speed control (**C**) towards LO or HI, using a flat-bladed screwdriver.

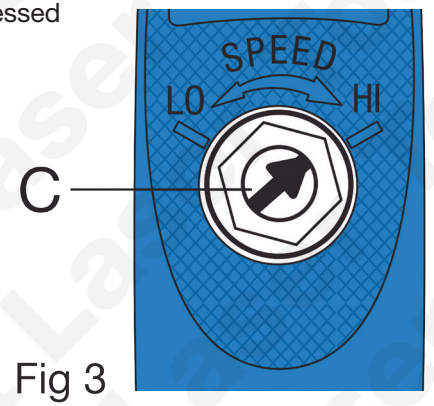

Fig 3

Fitting or Changing the Saw Blade

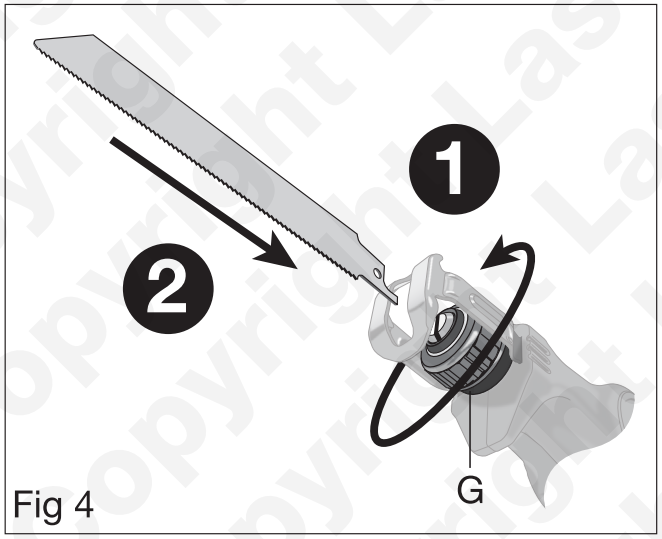

Fig 4

- First disconnect tool from air supply.
- Refer to **Figure 4**: Twist the spring-loaded retainer chuck (**G**) anti-clockwise (looking from the front) and insert the blade.
- Refer to **Figure 5**: ensure the blade is fully inserted into the blade lock housing.

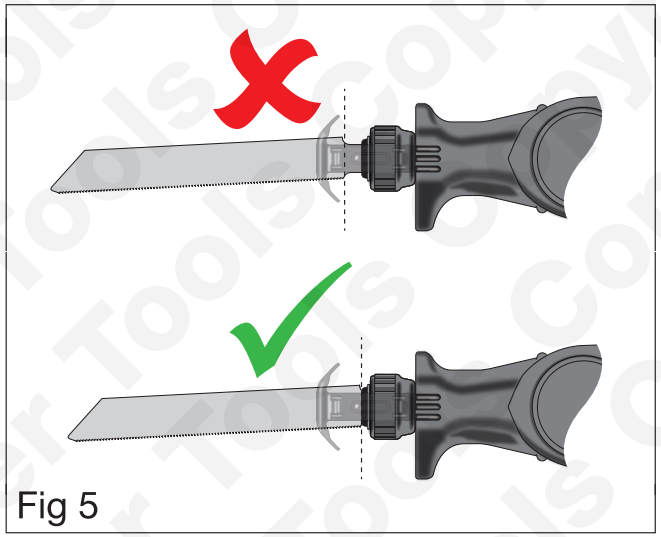
Fig 5

Using the Reciprocating Air Saw

When using the tool, take care not to exert excessive force; burning of the work piece or obvious speed reduction indicates too much force being applied. Start up the tool away from the work piece and set it down onto the area to be cut steadily and with care. Move in the direction of the cut. When cutting is finished, lift the tool away from the work piece before stopping the motor.

Specifications

Reciprocation Strokes Per Minute	5000 SPM
Weight	1.0kg (2.2 lbs)
Length	290mm (11.42 in)
Sound Pressure	80.0 dBA
Sound Power	91 dBA
Cutting Capacity	6mm mild steel (with 14 tpi blades)
Stroke Length	11mm
Vibration Level	12.9m/s²
Air Inlet	1/4"
Recommended Air Hose Size	3/8" internal diameter
Maximum Air Pressure	90psi (6.2 bar)
Average Air Consumption	3.5 CFM

Spare saw blades are available from your Laser Tools supplier:

Part No. **92311** Air Saw Blades - 18 TPI (5pc)

Part No. **92312** Air Saw Blades - 24 TPI (5pc)

Part No. **92313** Air Saw Blades - 32 TPI (5pc)

Safety Precautions

- **Eye and face protection** plus heavy work gloves and suitable work clothing **must be used**. A saw blade that breaks can cause very serious injury. **Never** wear loose clothing or jewellery that could be trapped by moving parts.
- Ensure that every user reads and understands these instructions.
- **Dust hazard:** a suitable-grade dust mask or respirator **must be used** for any dust-generating operations, particularly on glassfibre or masonry substrates.
- **Vibration hazard:** exposure to vibration can cause damage to nerves and blood supply of the hands and arms. If you experience numbness, tingling, pain or whitening of the skin in fingers or hands, stop using the tool immediately.
- **Noise hazard:** unprotected exposure to high noise levels can cause hearing loss and tinnitus (ringing or buzzing in the ears). Wear suitable ear protection as required by occupational health and safety regulations.
- Do not attempt to remove or change a saw blade until the tool has been disconnected from the compressed air supply.
- Correct saw blade mounting is necessary to prevent injury from broken blades. Do not use bent or damaged blades.
- The operator must keep a balanced, firm and steady working position. Do not overreach when using the tool.
- Be aware that the tool reciprocating mechanism and blade will continue to run briefly after releasing the trigger.
- Do not lock or tape-up the trigger safety lock (**B**) in the ON position; the lever must be free to return to the OFF position when the trigger is released.
- Never carry an air tool by the hose.
- Keep the instrument clean and well-maintained. Store in case when not in use.
- Refer to Compressed Air Supply notes above - the tool must be connected to a suitable, clean, dry and lubricated workshop air supply. A build-up of moisture or oil in the air compressor will accelerate wear and corrosion in the tool; ensure that the compressor tank is drained daily and all filters in the system regularly drained and cleaned.
- The workshop air hose must be rated at least 150% of the maximum operating pressure of the tool.
- Check air hoses for leaks, damage or wear before use and ensure that all connections are secure.

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If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

Safety First. Be Protected.

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