

Models: **MA110AS, MA1501AS, MA150AS, MA200AS, MA407AS, MA150SC, MA90SC.**

*Thank you for purchasing a Sealey Product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.*

## Declaration of Conformity

**CE** We, the sole importer into the UK, declare that the products listed here are in conformity with the following standards and directives. The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

### Dust-Free Air Operated Sanders

Models:  
MA110AS, MA1501AS, MA150AS, MA200AS,  
MA407AS, MA150SC, MA90SC.

98/37/EC Machinery Directive  
93/68/EEC Marking Directive

Signed by Mark Sweetman



15th August 2001

For Jack Sealey Ltd. Sole importer into the  
UK of Sealey Power Tools.



**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.**

## 1. SAFETY INSTRUCTIONS

- WARNING!** Ensure that Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from air supply and dust-free system before changing accessories, servicing or maintenance.
- Maintain the sander in good condition (use an authorised service agent).
- Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- Use the sander in a suitable work area. Keep area clean, tidy and free from unrelated materials. Ensure that there is adequate lighting.
- Before each use check abrasive pad for condition. If worn or damaged replace immediately.
- Ensure that there are no flammable or combustible materials near the work area.
- WARNING!** Always wear approved eye or face protection when operating the sander.
- If dust is generated, use face, dust, or respiratory protection in accordance with COSHH regulations.
- Depending on the task, sander noise level may exceed 85dB, in which case wear safety ear defenders.
- Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery. Contain and/or tie back long hair.
- Wear appropriate protective clothing and keep hands and body clear of working parts.
- Maintain correct balance and footing. Ensure that the floor is not slippery and wear non-slip shoes.
- Keep children and unauthorised persons away from the work area.
- Check moving parts alignment on a regular basis.
- Ensure that the workpiece is correctly secured before operating the sander. Never hold a workpiece by hand.
- Check the workpiece to ensure that there are no protruding nails, screws, stones, etc.
- Avoid unintentional starting.
- WARNING!** Ensure that the correct air pressure is maintained and not exceeded.
- 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.
- Prolonged exposure to vibration from these tools poses a health risk. It is the owner's responsibility to correctly assess the potential hazard, issue guidelines for safe periods of use and offer suitable protective equipment.
- DO NOT use the sander for a task it is not designed to perform.
- DO NOT operate sander if any parts are damaged or missing as this may cause failure and/or personal injury.
- WARNING!** DO NOT cut, grind, saw or sand any materials containing asbestos.
- DO NOT carry the sander by the hose, or yank the hose from the air supply.
- DO NOT get the sander wet or use in damp or wet locations.
- DO NOT use the sander with water. These models are dry sanders only.
- DO NOT operate sander when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- DO NOT use sander where there are flammable liquids, solids or gases, such as paint solvents and including waste wiping or cleaning rags etc.
- DO NOT oil the sander, or connect to an air supply which incorporates an oiler. Oiling will result in damage to teflon surfaces within the sander.
- DO NOT leave the sander operating unattended.
- DO NOT carry the sander with your finger on the power lever.
- DO NOT direct air from the air hose at yourself or others.
- When not in use disconnect from air supply and dust-free system, and store in a safe, dry, childproof location.

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this equipment.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

### 1.2. LEAD PAINT WARNING!

Paint once contained lead as a traditional ingredient. Contact with the toxic dust from the removal of such paint must therefore be avoided. The following action must be taken before using the sander on a surface that you suspect may contain lead paint.

1. User must determine potential hazard relating to age of paint to be removed (modern paints do not have lead content).
2. **DANGER!** Keep all persons and pets away from the work area. The following are particularly vulnerable to the effects of lead paint dust: *Pregnant women, babies and children.*
3. We recommend personal protection by using the following safety items:
  - a) Paint Spray Respirator (Our ref SSP16EN)
  - b) PE Coated Hooded Coverall (Our ref SSP266).
  - c) Latex Gloves (Our ref SSP24).
4. Take adequate measures to contain the paint dust, flakes and scrapings.
5. Continue to wear safety equipment as in (3) and thoroughly clean all areas when task is complete.
6. **Seal** paint waste in bags or containers for disposal according to local regulations.

## 2. TECHNICAL SPECIFICATIONS

The MA sanders are suitable for use on car bodies, woodwork and general flat surfaces. The sanders are intended for dry sanding only. DO NOT use with water.

| Model:                        | MA110AS                          | MA1501AS    | MA150AS     | MA200AS    | MA407AS     | MA150SC                              | MA90SC      |
|-------------------------------|----------------------------------|-------------|-------------|------------|-------------|--------------------------------------|-------------|
| Capacity (mm)                 | .210x115 accepts<br>4-1/2" paper | .150        | .150        | .200       | .400x70     | .150 .170x93 accepts<br>4-1/2" paper |             |
| Thread (UNF)                  | n/a                              | .5/16"      | .5/16"      | .5/16"     | n/a         | .5/16"                               | n/a         |
| Free Speed (rpm)              | .8000/10000                      | .8000/10000 | .8000/10000 | .9000      | .8000/10000 | .8000/10000                          | .8000/10000 |
| Orbit Ø (mm)                  | n/a                              | n/a         | n/a         | .5         | n/a         | n/a                                  | n/a         |
| Operating Pressure (psi)      | .75/90                           | .75/90      | .75/90      | .100       | .75/90      | .75/90                               | .75/90      |
| Air Consumption (cfm)         | .15.2                            | .14.8       | .14.8       | .16        | .15.2       | .14.8                                | .10.6       |
| Air Inlet (BSP)+Coupling      | .1/4"                            | .1/4"       | .1/4"       | .1/4"      | .1/4"       | .1/4"                                | .1/4"       |
| Vac. Outlet Ø (mm)            | .28                              | .28         | .28         | .28        | .28         | n/a                                  | n/a         |
| Complete with Universals      |                                  |             |             |            |             |                                      |             |
| S/A Dust-Free Pad             | No                               | Yes         | Yes         | .200mm pad | No          | Yes                                  | No          |
| Sound (dB)                    | .78                              | .78         | .79         | .78        | .74         | .78                                  | .80         |
| Vibration (m/s <sup>2</sup> ) | 4.14                             | 2.78        | 3.0         | 3.1        | 3.9         | 2.78                                 | 4.3         |

## 3. PREPARING SANDER FOR USE

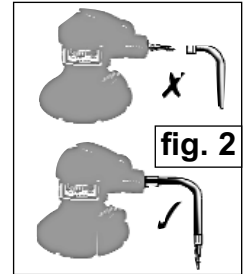
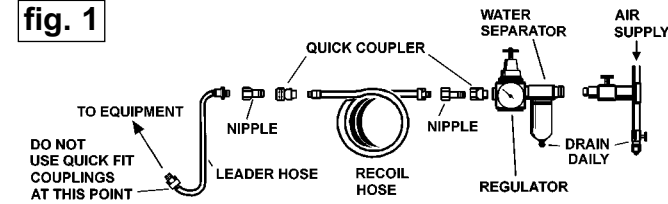
### 3.1. Air Supply

- 3.1.1. Ensure the air valve (or throttle) is in the "off" position before connecting to the air supply.
- 3.1.2. You will require an air pressure and an air flow (cfm) according to the specification listed above.
- 3.1.3.  **WARNING!** Ensure that the air supply is clean and does not exceed the pressure quoted while operating the sander. Too high an air pressure and/or unclean air will shorten the life of the sander due to excessive wear and may be dangerous causing damage and/or personal injury.
- 3.1.4. Drain the compressor air tank daily. Water in the air line will damage the sander.
- 3.1.5. Clean the compressor air inlet filter weekly. Recommended hook-up is shown in fig. 1.
- 3.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same bore.
- 3.1.7. Keep hose away from heat, oil and sharp edges. Check hoses for wear and make certain that all connections are secure.

### 3.2. Couplings

Vibration may cause failure if a quick fit coupling is connected directly to the air tool. To overcome this, connect a leader hose to the tool. A quick fit coupling may then be used to connect the leader hose to the air line recoil hose. See figs. 1 & 2.

fig. 1



### 3.3. Dust Collection

#### 3.3.1. All models except MA150SC & MA90SC

The dust outlet tube of the sander must be connected to a dust-free system in accordance with COSHH, and any other regulations that may apply to the work area. For information on dust-free systems, contact your local Sealey dealer.

#### 3.3.2. Models MA150SC & MA90SC only

These models have a dust bag included. Attach the dust extraction pipe to the machine outlet and insert into the small opening at the bag head. Push the tube half way into the bag. To empty the bag, wear appropriate dust mask, etc., open the velcro end and empty contents according to disposal regulations. Do not place any liner in the bag as this will inhibit the air flow.

## 4. OPERATING INSTRUCTIONS

- 4.1. Attach the correctly rated pad to the sander. Round pads screw into the under side of the sander head and rectangular pads are held under the clamps located at each end of the sander.
- 4.2. Model MA90SC has an alternative metal plate which may be placed between the sanding pad and the soft sanding plate for additional pressure.
- 4.3. Connect the sander to the air supply and the dust free system (not MA150SC or MA90SC). Press the control valve (ON/OFF) lever and check that the unit is working correctly. Some models will have an air flow control knob. Turn the knob to increase or decrease the air flow.

**Note:** The sander is designed for dry use only. DO NOT use with water or any other liquids.

## 5. MAINTENANCE

- WARNING!** Disconnect sander from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- 5.1. **DO NOT** oil the sander, or connect to an air supply which incorporates an oiler. Oiling will result in damage to teflon surfaces within the sander.
  - 5.2. Clean the sander after use and change pads when required.
  - 5.3. 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 in Section 3.
    - b) Grit or gum deposits in the tool 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. Flush the tool out with gum solvent oil or an equal mixture of SAE 10 oil and kerosene. Allow to dry before use.
    - c) If you continue to experience problems, contact your local Sealey service agent.
  - 5.4. For a full service contact your local Sealey service agent.
  - 5.5. When not in use, disconnect from air supply, clean and store in a safe, dry, childproof location.