PNEUMATIC TOOLS
SHINANO INC.

SI-3001A / SI-3011A

# INSTRUCTION MANUAL FOR ORBITAL SANDER

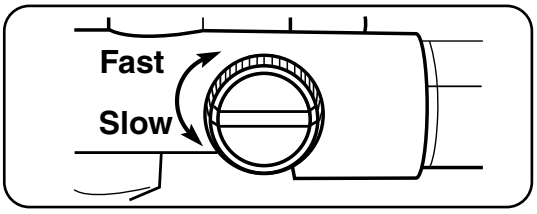
**Operating Procedure**

1. Attach the coupler to the air inlet.
   ■ For the SI-3011A (Vacuum Type), securely fit the dust hose with the dust bag attached over the exhaust port.

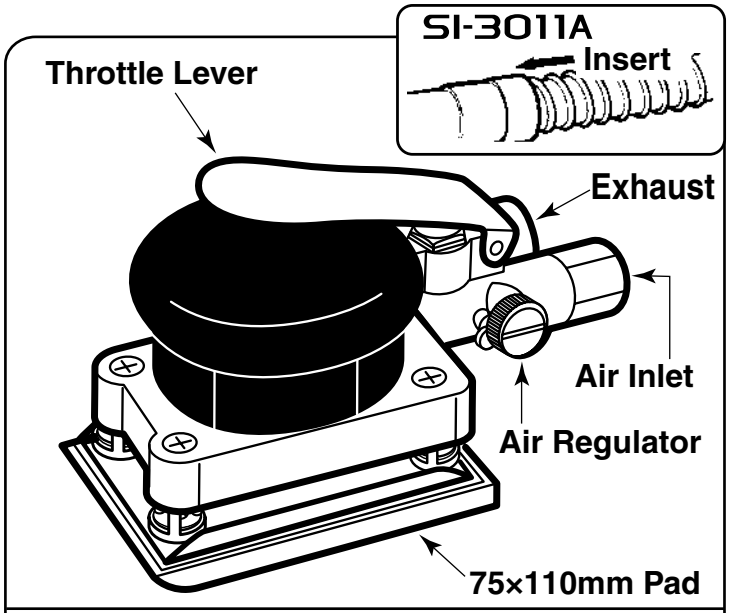
2. Check that the pad is securely attached, and then attach the abrasive paper.
   ■ For the SI-3011A (Vacuum Type), align the holes of the abrasive paper with the vacuum holes on the pad and press it firmly into place.

3. Inject about 0.5 cc (2 to 3 drops) of oil through the attached coupler, connect the air hose, and run the tool without load for 3 to 5 seconds to thoroughly distribute the oil inside the main unit. Also, lubricate in the same manner after use before storing.

4. Adjust the rotation speed using the air regulator.
The maximum speed is 9,000 rpm (at 0.63 MPa).




5. Press the throttle lever to start, and release it to stop.




**Accessories:** SI-3001A
**Safety Instruction (1)**

SI-3011A
**Safety Instruction (1), Dust hose (1), Dust pack (1)**

**Precautions for Use**

## ⚠ WARNING

◆ Always disconnect the air hose before replacing the pad or abrasive paper.
◆ Attach the pad securely and completely.
◆ Never use a grinding wheel with this tool.
◆ Be sure to remove any screwdrivers or other tools used when replacing the pad.
◆ This tool produces some vibration.
Avoid continuous operation as much as possible, and take a break of about 10 minutes per hour while working.

## ⚠ CAUTION

**◆ Please note that working using only the edge or a part of the pad may damage the pad or throw the tool off balance, preventing proper sanding.**
**◆ Air tools are precision instruments. Do not throw, drop, or subject them to strong impacts, as this may cause malfunction.**
**◆ Avoid prolonged no-load running or unnecessary idling, as this accelerates wear and may cause malfunction.**
**◆ Do not use the tool for purposes other than its intended use, and avoid forcing it beyond its capacity.**
**◆ After use, prevent dust, dirt, or debris from entering through the air inlet.**

## SI-3001A / SI-3011A

| Model Number | Pad/Disc Size mm | Orbit Dia mm | Free Speed rpm | Out Put Watt | Weight kg/(lb) | Noise Level dBA/(power) | Vibration a/k $m/s^2$ | Avg.Air Consumption CFM | Air Inlet Size in. | Hose Size mm/(in.) |
|---|---|---|---|---|---|---|---|---|---|---|
| **SI-3001A** | 75 x 100 | 4 | 10,000 | 148 | 0.80/ (1.77) | 82/ (93) | 6.2/(1.1) | 2.3/1.1 | 1/4 | 10/(3/8) |
| **SI-3011A** | 75 x 100 | 4 | 10,000 | 148 | 1.15/ (2.53) | 83/ (94) | 7.4/(1.5) | 2.5/1.2 | 1/4 | 10/(3/8) |

Noise levels according to ISO 15744:2008,ISO 11203:2009 Vibration level according to ISO 28927:3

# ⚠ WARNING

- For replacement of pad and paper, be sure to dismount the air hose.
- Be sure to mount the pad firmly and completely.
- Never use the grinding stone for this tool.
- Be sure to remove the service wrench used for replacement of pad.
- Vibration will be felt. Avoid continuous operation if possible. Do operations at the rest interval of approx. 10 minutes per an hour.

# ⚠ CAUTION

- If operations proceed using the whole edge or the part of the pad, the pad will be damaged, which loses tool balance, and prevents exact grinding. Be careful not to do such wrong operations.
- Careless drop of the tool will result in damage of the tool or components. Therefore, be sure to politely handle the tool.
- Operate the tool within the air pressure of 0.63MPa (6.5kg/$cm^2$). If operated in high pressure, the maximum allowance speed will be exceeded, which may result in damage of components.
- Before or after daily use, lubricate a few drops of air tool oil from the hose attached port.
- The compressed air containing dust or/and moisture will result in damage of tool. Be sure to operate the tool with air through the drainage and air filter.
- If revolution failure or/and irregular noise occurred, do not continue operation furthermore. Forced operation of tool may result in serious troubles.
- Regarding to this product, if inconvenient claims or troubles occurred, contact the product distributor.

# AIR SUPPLY

| | |
|---|---|
| Pressure at the working | **0.63MPa (90PSI 6.3bar)** |
| Max Hose Length | **10m (30ft)** |
| Lubrication | **Daily Lubricating oil** |

