After use
Storage and maintenance: When the unit is to be stored for a long period, remove the bit, open the carbon brush cover and blow out any accumulated carbon brush dust with compressed air, and wipe the exterior clean. Then store the screwdriver carefully in a dry, dust-free place away from direct sunlight. Store the bit in grease. To ensure continued serviceability, periodically check and maintain the screwdriver.

Troubleshooting
If the screwdriver does not work properly, check the list below. If you cannot solve the problem do not open the unit. Contact one of our authorized agents as soon as possible.

□ If the screwdriver does not run
  - Check the outputting power
    - Check the plug is inserted properly and outlet has output.
    - Check for a open or short circuit in AC wire. If an open or short circuit is found change the AC wire.
  - Check that the carbon brush is undamaged, that the carbon brush guide cord with the rotor to become too small. Anyone of these factors could cause the screwdriver to stop rotating or rotate abnormally.
  - Inspection method: Open the carbon brush cover and use a non-conductive insulated rod to gently press the brush. If the screwdriver resumes rotating, the carbon brush has reached the end of its useful life and must be immediately replaced.

□ If the screwdriver is not rotating normally
  - Long-term used causes the motor’s commutator to wear down. In this case, it must be replaced. (This repair must be performed by one of our authorized agents)
  - If the bit tends to wobble, remove the bit, rotate it 60 or 180 degrees and re-insert it.
  - If the tip falls out easily or wobbles:
    - Check that the bit matches our specifications. If not, change the bit to one that does.
  - If the bit is not rotating when the selected torque is reached.
    - An excessive torque setting can cause the screw to strip the threads, with the result that the clutch does not activate. Lower the torque to a level that does not cause stripping.
    - Differences in size between the bit tip and screw slot lengths can cause slopping. Change to a suitable bit tip.
    - If a malfunction occurs in the braking system, the break will not engage normally. (This repair must be performed by one of our authorized agents)

□ Warranty
We provide a one-year free repair service warranty with this product. The warranty is good for one year from the date of purchase entered on the Product Information Form. The retailer’s stamp must appear on the form to confirm the date. However, under the following circumstances we will charge the user for any parts and labor costs associated with repair.

□ For repairs involving normal wear to parts including carbon brushes, bits and AC wire, and also to the exterior surface.
□ If the screwdriver was connected to a power source of the incorrect voltage.
□ If the screwdriver was not used for its intended purpose.
□ If the screwdriver was connected to a power source of the incorrect voltage.
□ If the screwdriver was damaged by heat or water.
□ If the screwdriver was modified or repaired by non-authorized individuals.
□ If the screwdriver was not used under the conditions specified by ASA Industrial Electric Screwdriver User’s Manual.
□ If the user cannot present the manual with stamped Product Information Form.

After the period of the guarantee, or if the user cannot present the manual with stamped Product Information Form.

Retailer’s Stamp

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ASC-3681</th>
<th>ASC-3682</th>
<th>ASC-5681</th>
<th>ASC-5682</th>
<th>ASC-6681/2</th>
<th>ASC-6681/2S</th>
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<tbody>
<tr>
<td>Power source</td>
<td>ACV 115/60HZ</td>
<td>ACV 230/50HZ</td>
<td>ACV 115/60HZ</td>
<td>ACV 230/50HZ</td>
<td>ACV 115/60HZ</td>
<td>ACV 230/50HZ</td>
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<td>2.2-12.0/1.9-10.4</td>
<td>4.0-18.0/3.5-15.6</td>
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<td>No load speed rpm</td>
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<td>1000</td>
<td>650</td>
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<td>Torque setting</td>
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<tr>
<td>Available screw mm in</td>
<td>2.0-3.0/0.08-0.12</td>
<td>2.6-4.0/0.10-0.16</td>
<td>3.0-4.5/0.12-0.18</td>
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<tr>
<td>Machine screw mm in</td>
<td>2.0-2.6/0.08-0.10</td>
<td>2.3-3.5/0.09-0.14</td>
<td>2.6-4.0/0.10-0.16</td>
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<td>Weight g / lb</td>
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<tr>
<td>Length mm / in</td>
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<tr>
<td>Available bit shank</td>
<td>5/5mm Hex shank · 1/4”(6.35)Hex shank</td>
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<tr>
<td>Power consumption W</td>
<td>50</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clutch impact</td>
<td>Just one time when torque up</td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

Specifications and design may be changed without notice for improvement(A-3)
Outline

Bit insertion:
Use your finger to depress the slide sleeve into the screwdriver and inset an appropriate bit. When the slide sleeve is released, the bit will be automatically engaged. Note: Do not hammer the bit in or pull it out forcibly.

Secure screwdriver during operation: During operation, hang the screwdriver up securely (as from balance) in order to prevent it from being knocked down and suffering external cracking, internal damage, or a snapped AC wire.

Start and stop: Screwdrivers are pressure-operated. When the screwdriver is pressed onto a screw perpendicularly, inward pressure from the screwdriver bit engages the power switch, and the motor begins running. When the pressure on the screwdriver is released, the bit and power switch revert to original positions and the motor stops running.

When the selected torque is reached: This product features an internal clutch assembly. When a screw is driven and the selected torque is reached, the clutch assembly will automatically disengage and a ‘click’ will be heard. At this point, even if keep the pressure on the screwdriver, the power to the motor will be automatically cut off.

Note: when driving screw, grasp the screwdriver firmly in order to prevent upwards recoil generated by the clutch release from forcing the screwdriver bit edge from the screw slot and damaging slot.

Operational frequency: suggest the operational frequency 1/4"(ON/OFF) second, the total screws 7000pcs/8hours, don’t over our operational frequency suggest, and avoid the inside part of screwdriver serious damage. If everyday work 8hours upward, please use two screwdriver by turns, protect the life of screwdrivers.

Change the carbon brush: When the carbon brush change indicator lights up (red), please change it as described below. (Caution — Always unplug the screwdriver before changing the brush. Only use the factory-specification brushes provided with the screwdriver as replacement.)
1. Insert a slotted bit with a 3.0mm wide, 1.0mm thick head in the slot on the side of the carbon maintenance bonnet and lever it up. Open the bonnet.
2. Remove the spring resting on the carbon brush.
3. Lift the cooper wire attached to carbon brush, and pull the brush out.
4. Pull out the tip of the cooper wire and complete the removal.
5. Insert the new carbon brush, following the above steps in reverse order.

Note: When changing the carbon brush first unplug the screwdriver. Use a factory specification carbon brush.

The notch on the carbon brush surface must face into the direction of the rotor rotation.

Before use, read the following:

- Use the correct voltage: Carefully check the voltage shown on the screwdriver and this manual and determine the correct voltage. Only plug the unit into a power source of the correct voltage.
- Determine the appropriate torque range: Choose the correct screwdriver for the torque you will require. To lengthen product life, avoid long-term high torque use.
- Make sure the screwdriver is undamaged: if the AC wire is scraped or damaged, it should be immediately unplugged and replaced to avoid electric shocks or a short circuit that could result.
- Use in an appropriate work environment: To ensure safety, do not use in high temperature, high humidity environments or near flammable materials. Keep the AC wire away from tools or equipment that might scrape or melt it.
- When plugging in or unplugging the AC wire, hold the plug firmly. Never pull on the wire.

Method of operation and important points

- Brace fastened objects securely: Before operation, determine the appropriate torque, refer to “Torque settings” item and adjust the screwdriver to the appropriate torque. Make sure that the fastened objects are securely braced, and then begin operation. This procedure will avoid hazardous rapid rotation of the fastened objects due to excessive torque or insufficient braking.
- Driving and removing screw: Before operation, set the forward/reverse switch properly. To drive a screw, set the switch to the forward (FOR) position. To remove a screw, set it to the reverse (REV) position. Press the screwdriver onto the screw perpendicularly to begin operation.
- Torque settings: Use the regulating handle to set the torque. Turning it in a clockwise direction into the screwdriver will increase the torque. Turning it counterclockwise out of the screwdriver will decrease the torque.

Note: The engraved markings on the engraving ring are for reference only and do not indicate torque output. Torque output can only be determined by repeated testing with a torque tester or torque screwdriver.

## Accessories

This product comes supplied with one AC wire, a pair of carbon brushes and two bits. Bits (one set per screwdriver)

### Bit specifications

<table>
<thead>
<tr>
<th>Tip No.</th>
<th>Tip Dia d</th>
<th>P#</th>
<th>Available Screwdriver Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>3.0</td>
<td>7W3644</td>
<td>ASC-3681</td>
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<tr>
<td>#2</td>
<td>5.0</td>
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<td>ASC-5682</td>
</tr>
</tbody>
</table>

Guide for carbon brush replacement

Guide for 3P plug-in

3P plug receptacle (screwdriver side)