**TOILET GUIDE (OPTIONAL)**

A Toilet Guide and Holder are optionally supplied with the Drain Cleaning Kit. This accessory provides a guide to help start the drain cleaner cable into a solid bowl, (see Fig 8).

**INSERTING CABLE INTO DRAIN**
1. Make certain that the reversing switch is set for FORWARD rotation, and that the power source matches the voltage on the tool's specification plate. Connect Drain Cleaner to ground fault interrupted power source.
2. Open chuck and pull out approximately one foot of cable.
3. Close chuck tightly.
4. Operate Drain Cleaner at low speed while slowly feeding cable into drain.
   **NOTE:** If cable binds, STOP the tool immediately, let switch be reverse rotation. Operate motor slowly while pulling back tightly on the Drain Cleaner to free the cable. DO NOT operate the tool in reverse for extended periods. Extended reverse operation can damage the cable.
5. Continue to operate tool at low speed while repeating steps 2 through 4 to feed additional cable into the drain until the obstruction is cleared.

**STORAGE**
The cable should always be thoroughly cleaned with fresh water and oiled prior to storing the Drain Cleaner.

**CAUTION:** UNPLUG AND DISCONNECT DRAIN CLEANER FROM POWER SOURCE.
1. Open the chuck and remove the entire cable from the drum.
2. Wash cable thoroughly and allow to dry.
3. Use an oil rag to coat cable with oil.
4. Reinstall the cable into the drum.

**MAINTENANCE**

**KEEP TOOLS CLEAN**
Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could dissolve or otherwise damage the material.

**CAUTION:** Wear Safety Glasses while using compressed air.

**FAILURE TO START**
Should your tool fail to start, check to make sure the prongs of the plug on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

**SERVICE AND REPAIRS**

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement should only be performed by either an AUTHORIZED SKIL or ELECTRIC EEL Service Center. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at anytime. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

**OPTIONAL DROP HEAD TOOLS**

**MODEL 5 DRAIN CLEANING MACHINE**

**ITEM NUMBER**

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>S-88L</td>
<td>Replacement</td>
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<tr>
<td>2</td>
<td>S-1</td>
<td>Stainless Steel Drum</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>S-2</td>
<td>Drum Cover</td>
<td>1</td>
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<tr>
<td>4</td>
<td>S-4</td>
<td>Hose Guard</td>
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<td>MS03285SS</td>
<td>Stainless Steel Screw</td>
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<tr>
<td>6</td>
<td>S-7 (See Note 1)</td>
<td>Spacers</td>
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<td>7</td>
<td>RP112</td>
<td>Spool Pin for S-7</td>
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<td>8</td>
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<td>Lock Collar</td>
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<td>L003-03278</td>
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<td>Collar</td>
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<td>LW34</td>
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<td>Hex Nut</td>
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<td>18</td>
<td>S-TRSW</td>
<td>Trigger Switch</td>
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<td>19</td>
<td>S-ED0</td>
<td>Electric Drum Band</td>
<td>1</td>
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</tbody>
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**Notes:**
1. | Includes Item 7 |
2. | Includes Items 10 through 15 |
3. | Prior to Serial No. RJ301 use Part Number S-TRSWO — April 1999 |

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**WARNING**
Before operating or maintaining equipment, READ this manual carefully and completely.
**Safety Instructions**

**General Safety**
1. ALWAYS wear heavy reinforced gloves and safety glasses when operating this equipment.
2. Place this machine within 2 feet of inlet between drain opening and machine. Never place hand on the tool's pistol grip handle and the other on the outlet, as it can be damaged at the front of the tool behind the brush.
3. NEVER HANDLE ANY CABLE UNDER TENSION* ALWAYS relieve all tension build-up before attempting to handle cable. Check the tool chart and use the proper tool for the size of cable you are using. Be sure to read the instructions before attempting to handle the cable.
4. KEEP good footing and balance at all times DO NOT OVERREACH!

**NOTE:** The cable is NOT anchored in the drum, use caution when cable is extended to maximum length.

**Safety Information**

The following safety rules for operating ELECTRIC Eel® Model S-30 Cleaning Equipment must be read carefully before operating this equipment.

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**DANGER**

**To Prevent Serious Bodily Injury and Avoid Danger from Rotating Cables and Equipment:**

**General Safety**
1. ALWAYS read the instructions thoroughly before attempting to operate any drain and sewer cleaning equipment.

**Description/Specifications**

**NOTE:** Always refer to Operating and Safety Instructions before attempting to operate any drain and sewer cleaning equipment.

**DESCRIPTION**
The ELECTRIC Eel Model S-30 Cleaning Machine has an excellent reputation for handling Small Drain Problems. This machine is specifically designed for cleaning 1-1/4" to 2-1/2" diameter drain lines, using cable diameters of 1/4", 5/16", or 3/8" inches long.

**SPECIFICATIONS**
- Line Capacity: 1-1/4" to 2-1/2" inches
- Kit Weight: 35 lbs
- Frame: 1" open space framework of welded steel
- Power: Variable speed to 600 RPM, 120 Vac, 3-Phase, 3-3/4 HP, 650 RPM, Type 4, 12" revolving drum with double insulated motor for longer life. Double insulated motor for increased operator protection and smooth, quiet performance.
- Cable Chuck: Jacobs type easy to tighten, made of new high carbon steel material with hardened steel liner and jaws, fits securely in place and resists nut for longer life. Made of die cast aluminum, insulated drum providing excellent dumbbell strength and quality when exposed to the harsh liquids used in cleaning drains. The red Steel aluminum hose guard is designed for safety and ease-of-use.
- Cables: Constructed of certified musical wire, these cables have a genuine patented aircraft grade lubrication for corrosion resistance and long lasting operation.

**Operating Instructions**

**DANGER**

**Operator must be thoroughly familiar with all safety instructions before operating this equipment.**

**The Model S Drain Cleaner is designed to clean drain pipes that are between 1-1/4" and 2-1/2" in diameter. A variety of accessory cables and heads are listed on the following pages of this manual. The following chart shows the recommended cable dimensions for clearing the various size drains.**

**DRAIN SIZE**
- **CABLE SIZE**
  - 1-1/4" 5/16" or 7/32"
  - 2-1/2" 5/16" or 7/32"

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

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**OPEN**

**CLOSE**

**Figure 1**

**Figure 2**

**Figure 3**

1. Squeeze TRIGGER SWITCH (Fig. 3), to start motor. Continue to squeeze switch to stop motor. The motor speed will increase the more the trigger switch is squeezed.
2. The REVERSING SWITCH is located above and to the left of the trigger switch (see Fig. 3), and changes the direction of rotation of the cable drum.
3. For COUNTERCLOCKWISE rotation trigger switch and allow drum to stop rotating, push the reversing switch toward the left side of the Drain Cleaner.
4. For COUNTERCLOCKWISE rotation trigger switch and allow drum to stop rotating, push the reversing switch toward the right side of the Drain Cleaner.
5. Drain cleaner is equipped with a KEYLESS type chuck. To operate chuck, grab the outer body of the chuck with your hand and twist it counter-clockwise to OPEN: twist it clockwise to close. (see Fig. 1).

**NOTE:** The cable is NOT anchored in the drum. Use caution when cable is extended to maximum length.

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1. Install tail end of cable through chuck jaws and into drum. Use short (76" to 120" at a time), thumbs to feed unidirectional cable.
2. Turn chuck body clockwise to close chuck jaws, securing the cable in the drum.

**To Start and Stop Drain Cleaner**

**CAUTION:** Make sure TRIGGER SWITCH on tool is OFF (see Fig. 3). Make sure that you are plugged properly. Press 120 Volt ground fault interrupter circuit. Make sure cable is fully retracted into drum. Connect Drain Cleaner to power circuit to power up.

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1. Place one hand on the pistol grip handle at the rear of the nozzle and keep the other hand firmly on guard at the front of the tool behind the chuck. Hold the handle and use two hands to feed the cable. Keep CABLE of the rotating drum into the tool to be operated.