INK RIBBON REPLACEMENT

If printing is blurry even when the ink roller is in the proper position, replace the roller.
Ink roller: Type IR-40T (SHARP EA-772R)

WARNING

APPLICATIONS TO DINig OR UNAPPROVED INK ROLLER MAY CAUSE SERIOUS DAMAGE TO PRINTER.

1. Set the power switch to OFF. Make sure that the print wheel has stopped.
2. Remove the printer cover. (Fig. 1)
3. Hold the tip of the ink roller and the roller by pulling it toward you and then upward. (Fig. 2)
4. Install the new ink roller in the correct position. Make sure that the roller is securely in place. (Fig. 3)
5. Put back the printer cover.

Cleaning the printing mechanism

If the print becomes dull after long time usage, clean the print wheel according to the following procedures:
1. Remove the printer cover and the ink roller.
2. Install the paper roll and feed it until it comes out of the front of the printing mechanism.
3. Put a small brush (like a toothbrush) lightly to the print wheel and clean it by pressing. (Fig. 1)
4. Put back the ink roller and the printer cover.

Note: Do not rotate the printing mechanism manually, this may damage the printer.

PAPER ROLL REPLACEMENT

Never insert paper roll if torn. Doing so will cause paper to jam. Always cut leading edge with scissor clippers.

A. When using the paper roll that is less than or equals to 25mm (1/10") in outside diameter:
PAPER ROLL: Type EA-710DP

B. When using the paper roll that is 32mm (1/8") in inside diameter and up to 38mm (1-1/2") in outside diameter:

DO NOT PULL PAPER BACKWARDS AS THIS MAY CAUSE DAMAGE TO PRINTING MECHANISM.

BATTERY REPLACEMENT

Time for battery replacement

Replace with a new battery once 2 year. When the battery power becomes weak, printing may be halted, and displayed images may disappear. If such symptoms are observed, replace the batteries with new ones.

Battery: Manganese dry battery, size AA (or R6) × 4

- Fluid from a leaking battery accidentally entering an eye could result in serious injury. Should this occur, wash with clean water and immediately consult a doctor.
- Should fluid from a leaking battery come in contact with your skin or clothes, immediately wash with clean water.
- If the product is not to be used for some time, to avoid damage to the unit from battery leakage, remove it and store in a safe place.
- Do not leave an exhausted battery inside the product.
- Always put back the 4 batteries at the same time.

HOW TO CONNECT THE AC ADAPTOR (OPTION)

This machine can also be operated on AC power by use of AC Adapter. When the AC adapter is connected to the calculator, the power source is automatically switched over from dry batteries to AC power source.

AC adapter: Model EA-28A

Make sure that you turn the calculator’s power off when connecting or disconnecting the AC adapter.
To connect the AC adapter, follow steps 1 and 2.
To disconnect the AC adapter, simply reverse the procedure.

CAUTION

USE OF OTHER THAN THE AC ADAPTOR EA-28A MAY APPLY IMPROPER VOLTAGE TO YOUR SHARP CALCULATOR AND WILL CAUSE DAMAGE.

ERRORS

There are several situations when a calculator overflows or an error condition. When this occurs, an error symbol “E” will be displayed and, if applicable, it will be printed, and all keys will electronically lock except CE, AC and C.

WARNING

NEVER DEPRESS THE CANCEL (AC) OR CLEAR (CE) KEYS IN THE CALCULATOR WITH A LEAKING BATTERY, AS THIS MIGHT DAMAGE THE CALCULATOR.

sharp will not be liable for any damages caused by the use of this machine.

RESETTING THE UNIT

Weak signals, improper connections to external fields, or other unusual conditions may render the unit inoperative, and pressing the keys will have no effect. If this occurs, you will have to press the RESET switch on the bottom of the unit. The RESET switch should be pressed only when:
- an abnormal event occurs and all keys are disabled.
- you install or replace the batteries.

To reset the unit, press and hold the “c” key for at least 2 seconds.
- Fluid from a leaking battery accidentally entering an eye could result in serious injury. Should this occur, wash with clean water and immediately consult a doctor.
- Should fluid from a leaking battery come in contact with your skin or clothes, immediately wash with clean water.
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CALCULATION EXAMPLES

1. To insure that each calculation is performed correctly, press firmly before starting the calculation.

2. Press to select print mode or non-print mode.

3. Unless otherwise stated, it is assumed the calculator is in print mode.

<table>
<thead>
<tr>
<th>Operation</th>
<th>EXAMPLE</th>
<th>KEYS</th>
<th>DISPLAY</th>
<th>PRINT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NON-ADD PRINT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F, 3, 2, 1, A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ADDITION AND SUBTRACTION WITH ADD MODE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50 + 4.50 = 7.00</td>
<td>A</td>
<td>2.50</td>
<td>7.00</td>
<td>4.50</td>
</tr>
<tr>
<td>3.00 ×</td>
<td></td>
<td>3.00</td>
<td></td>
<td>9.00</td>
</tr>
<tr>
<td><strong>MIXED CALCULATIONS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 × 45 - 4 = 476</td>
<td>0</td>
<td>12</td>
<td>45</td>
<td>476</td>
</tr>
<tr>
<td><strong>POWER</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(x^2), (x^3), (x^4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(x^2)</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><code>296 x 18</code></td>
<td>296</td>
<td></td>
<td>2,368</td>
<td></td>
</tr>
<tr>
<td><code>6 x</code></td>
<td></td>
<td>6</td>
<td>1,770</td>
<td></td>
</tr>
<tr>
<td><strong>CONSTANT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(18 \times 2 = 36)</td>
<td>0</td>
<td>18</td>
<td>36</td>
<td>9</td>
</tr>
<tr>
<td>(17 \times \ 2 = 34)</td>
<td></td>
<td>17</td>
<td>34</td>
<td>6</td>
</tr>
<tr>
<td><strong>ADD-ON AND DISCOUNT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5% add-on to 100.</td>
<td>2</td>
<td>100</td>
<td>105.00</td>
<td>5.00</td>
</tr>
<tr>
<td>5% off 100.</td>
<td>2</td>
<td>100</td>
<td>90.00</td>
<td>10.00</td>
</tr>
<tr>
<td><strong>PERCENT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>850 × 15% = 127.50</td>
<td>2</td>
<td>850</td>
<td>127.50</td>
<td>97.50</td>
</tr>
<tr>
<td>125 × 15% = (%)</td>
<td>2</td>
<td>125</td>
<td></td>
<td>18.75</td>
</tr>
<tr>
<td><strong>MEMORY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(46 \times 78 = 3,588)</td>
<td>0</td>
<td></td>
<td></td>
<td>3,588</td>
</tr>
<tr>
<td>(125 \times 5 = 625)</td>
<td></td>
<td></td>
<td></td>
<td>625</td>
</tr>
<tr>
<td>(72 \div 8 = 9)</td>
<td></td>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td><strong>TAX RATE CALCULATIONS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 5% tax rate                     | F                        | 5    | 5.00    | 0-600%
| Calculate the total amount for adding a 5% tax to $800. | F | 800 | 800- | 40-
| **MEMORY**                      |                          |      |         |       |
| \(46 \times 78 = 3,588\)       | 0                        |      |         | 3,588 |
| \(125 \times 5 = 625\)         |                          |      |         | 625   |
| \(72 \div 8 = 9\)              |                          |      |         | 9     |
| **TAX RATE CALCULATIONS**       |                          |      |         |       |
| 5% tax rate                     | F                        | 5    | 5.00    | 0-600%
| Calculate the total amount for adding a 5% tax to $800. | F | 800 | 800- | 40-
| **MEMORY**                      |                          |      |         |       |
| \(46 \times 78 = 3,588\)       | 0                        |      |         | 3,588 |
| \(125 \times 5 = 625\)         |                          |      |         | 625   |
| \(72 \div 8 = 9\)              |                          |      |         | 9     |

FOR MORE INFORMATION ABOUT SHARP CALCULATORS VISIT:

http://www.sharp-calculators.com

SAFETY PRECAUTIONS

CAUTION Power Outlet

The socket outlet shall be installed near the equipment and shall be easily accessible.

CAUTION Notes for handling Lithium batteries

- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Do not expose the battery to water or flame, and do not take it apart.
- Do not ingest battery, Chemical Burn Hazard.
- This product contains coin cell battery. If the coin cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- This equipment is not suitable for use in locations where children are likely to be present.

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