



TEC Drawer Unit

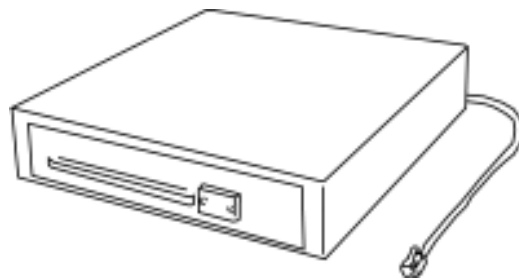
# DRWST-50A/51A SERIES

## Owner's Manual

Document No. **EO1-19023**

Original Jul., 1996

(Revised )



**TEC CORPORATION**



# TEC

## Operation Manual

# Safety Precautions



- Read these "Safety Precautions" and the "Owner's Manual" carefully before use.
- After reading these manuals, be sure to keep them near the machines for future reference.
- The contents of these "Safety Precautions" may include items not contained in the specifications of the product you have purchased.

This Operation Manual and the products (machines) which you have purchased contain indications which should be observed in order to use the machines safely and prevent harm to yourself and others and damage to property. The meanings of these indications and symbols are given below. Read these indications and become familiar with their contents before reading this Operation Manual.



## WARNING

This indicates that there is the risk of **death** or **serious injury** if the machines are improperly handled disregarding this indication.



## CAUTION

This indicates that there is the risk of **personal injury** or **damage** to objects if the machines are improperly handled disregarding this indication.

## Meanings of Each Symbol



This symbol indicates warning items (including cautions). Specific warning contents are drawn inside the triangle. (The symbol on the left indicates a general caution.)



This symbol indicates prohibited actions (prohibited items). Specific prohibited contents are drawn inside or near the symbol. (The symbol on the left indicates "no disassembling".)



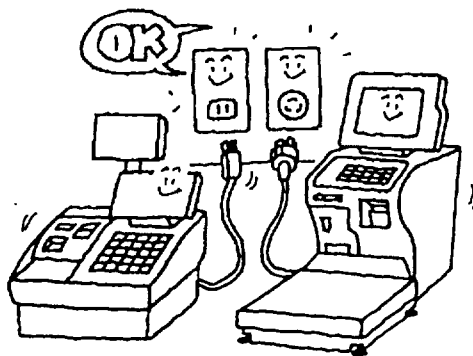
This symbol indicates actions which must be performed. Specific instructions are drawn inside the symbol. (The symbol on the left indicates "disconnect the power cord plug from the outlet.")



# WARNING



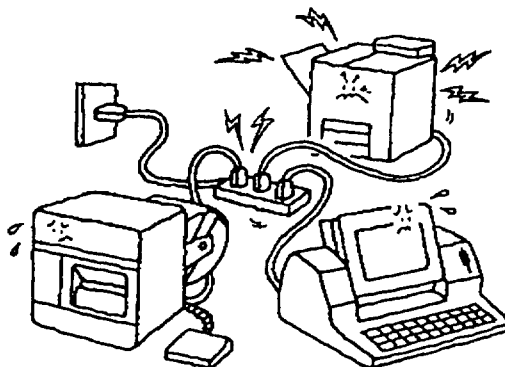
Any other than the specified power voltage (AC) is prohibited.



■ Do not use voltages other than the power voltage (AC) specified on the rating plate, as this may cause fire or electric shock.



Prohibited



■ If the machines share the same outlet with any other electrical appliances which consume large amounts of power, the voltage will fluctuate widely each time these appliances operate. Be sure to provide an exclusive outlet for the machine as this may cause the machines to malfunction.



Prohibited



■ Do not place metal objects or water-filled containers such as flower vases, flower pots or mugs, etc. on top of the machines. If metal objects or spilled liquid enter the machines, this may cause fire or electric shock.



Prohibited



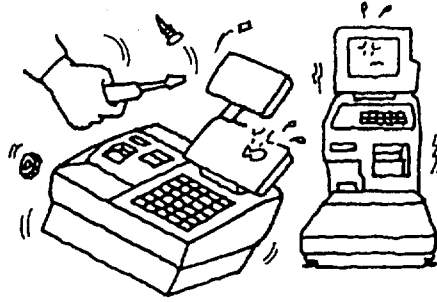
■ Do not insert or drop metal, flammable or other foreign objects into the machines through the ventilation slits, as this may cause fire or electric shock.



# WARNING



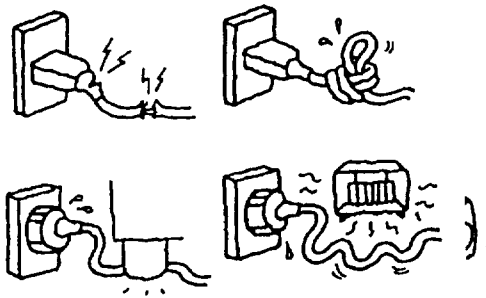
No disassembling.



■ Do not detach the rear cover, cabinet, or any other cover. The insides of the machines contain high-voltage, sharp and hot parts, etc., which may cause **electric shock** or injury.



Prohibited



■ Do not scratch, damage or modify the power cords. Also, do not place heavy objects on, pull on, or excessively bend the cords, as this may cause **fire** or **electrical shock**.



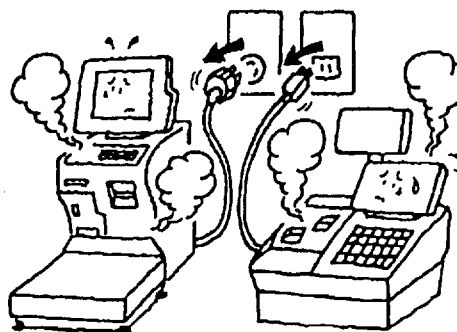
No disassembling.



■ Do not attempt to repair or modify the machines by yourself, as this may cause **fire** or **electric shock**. Contact the sales agent (or maintenance and service agent) for any questions related to repairs.



Disconnect the plug.



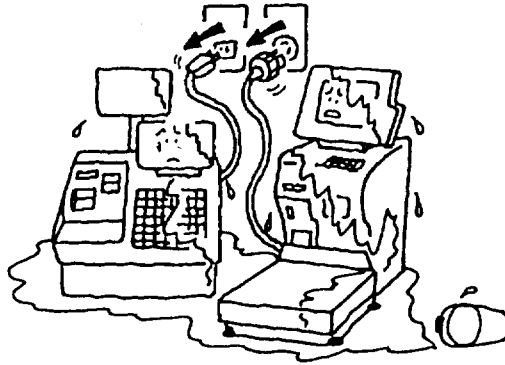
■ Continued use of the machines in an abnormal condition such as when the machines are producing smoke or strange smells may cause **fire** or **electric shock**. In these cases, immediately turn off the power switches and disconnect the power cord plugs from the outlet. Then, contact your sales agent (or maintenance and service agent).



# WARNING



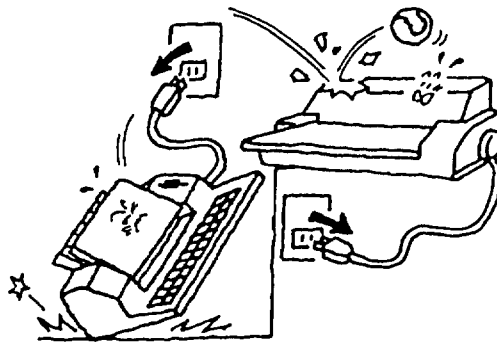
Disconnect the plug.



■ If foreign objects (metal fragments, water, liquids) enter the machines, first turn off the power switches and disconnect the power cord plugs from the outlet, and then contact your sales agent (or maintenance and service agent). Continued use of the machine in that condition may cause **fire** or **electric shock**.



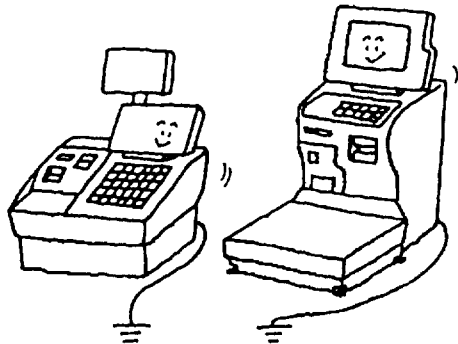
Disconnect the plug.



■ If the machines are dropped or their cabinets damaged, first turn off the power switches and disconnect the power cord plugs from the outlet, and then contact your sales agent (or maintenance and service agent). Continued use of the machine in that condition may cause **fire** or **electric shock**.



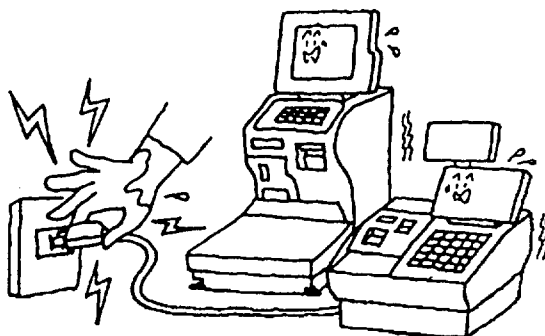
Connect a grounding wire.



■ Connect grounding wires to the machines. If an electric leak occurs without grounding wires connected, it may cause **fire** or **electric shock**. If for some reason grounding wires cannot be connected, contact your sales agent (or maintenance and service agent).



Prohibited



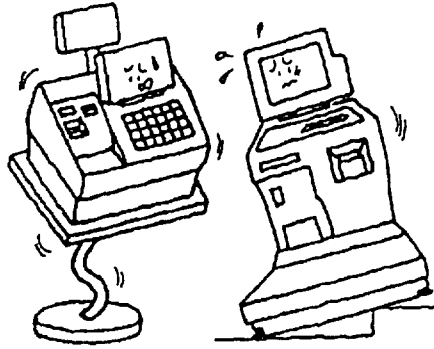
■ Do not plug in or unplug the power cord plug with wet hands as this may cause **electric shock**.



**CAUTION**



Prohibited

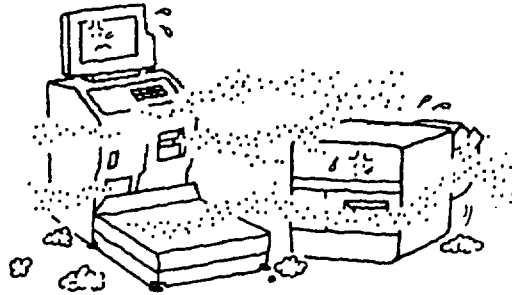


**[Precautions During Installation]**

■ Do not place the machines on unstable or slanted surfaces, as they may drop or fall and cause injury.



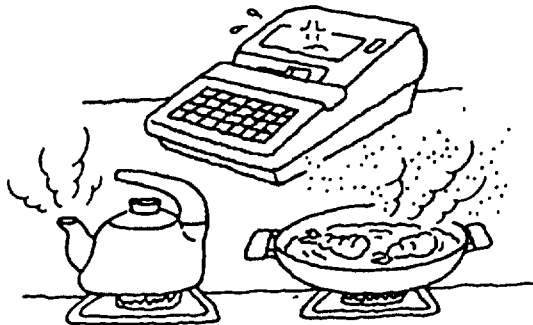
Prohibited



■ Do not place the machines in humid or dusty environments, as this may cause fire or electric shock.



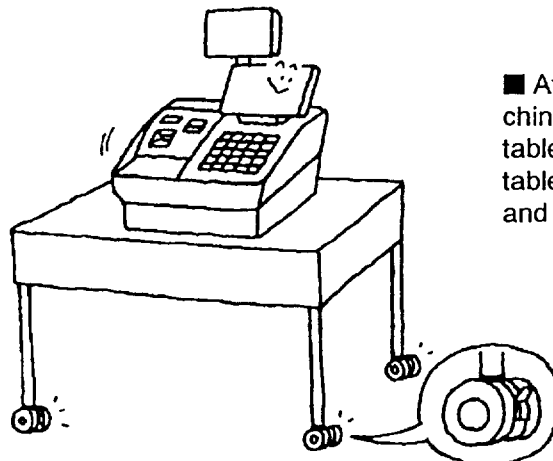
Prohibited



■ Do not place the machines in locations exposed to smoke or steam such as on kitchen tables or near humidifiers, as this may cause fire or electric shock.



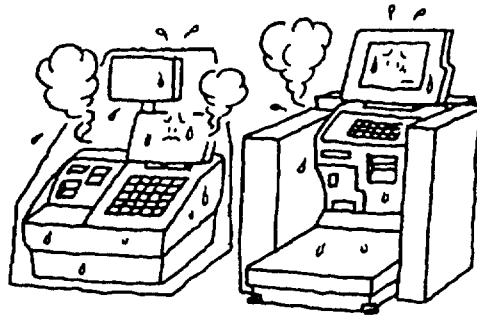
Caster  
Stoppers



■ After installing the machines, place stoppers on the table castors to prevent the table from moving or falling and causing injury.



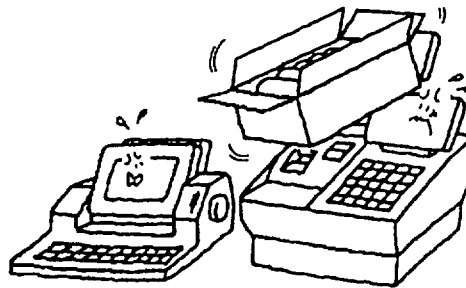
Prohibited



■ Do not block the ventilation slits of the machines, as this will cause heat to build up inside the machines and may cause fire.



Prohibited



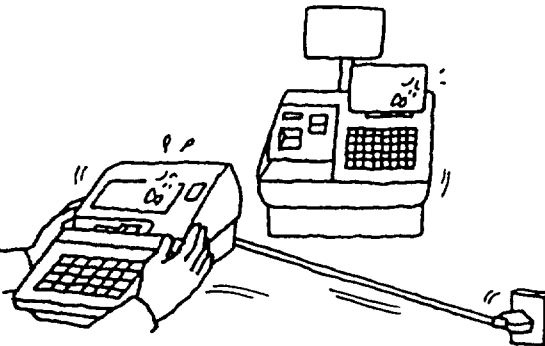
■ Do not place heavy objects on top of the machines, as these items may become unbalanced and fall causing injury.



**CAUTION**



Disconnect the plug.



**[Precautions When Moving the Machines]**

■ When moving the machines, be sure to first unplug the power cords. Moving the machines with the power cords plugged in may damage the cords and cause fire or electric shock.



Caution

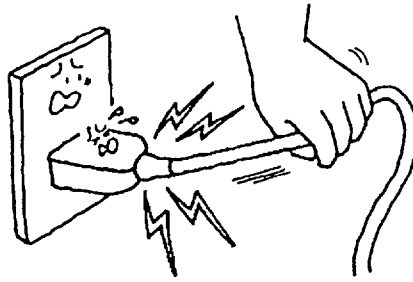


■ Be sure to move large scale machines with two or more people. In addition, machines should be moved after first confirming that connecting wires between machines and externally connected wires, etc. have been removed. Failure to observe these precautions may result in injury.





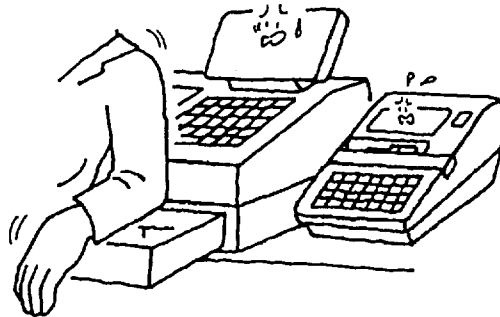
Disconnect the plug.



■ When unplugging the power cords, be sure to hold and pull on the plug portion. Pulling on the cord portion may cut or expose the internal wires and cause fire or electric shock.



Caution



■ Do not lean on the open cash drawer, as this may cause machine to fall resulting in injury.



**CAUTION**



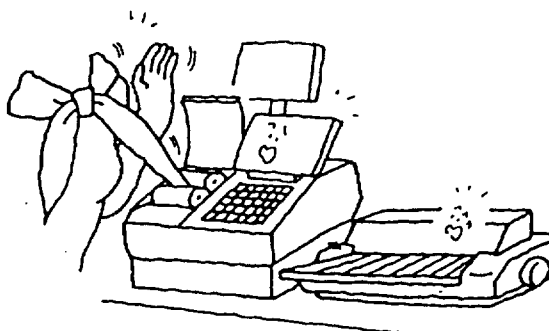
Caution



■ When opening the cash drawer, be careful not to let the drawer hit children's heads, etc., as this may cause injury.



Caution



■ Take care not to allow hair, scarves or other objects to become caught in the printer gears when replacing the journal roll, as this may cause injury.

## ● Request Regarding Maintenance

### ■ Utilize our maintenance services.

After purchasing the machines, contact your sales agent once per year or so to have the inside of the machines cleaned. Otherwise, dust will build up inside the machines and may cause **fire** or **malfunction**. Cleaning is particularly effective before humid rainy seasons.

■ Our maintenance service performs the periodical checks and other work required to maintain the quality and performance of the machines, preventing accidents beforehand. For details, please consult your sales agent or maintenance and service agent.

### ■ Using insecticides and other chemicals

Do not expose the machines to insecticides or other volatile solvents, as this will deteriorate the cabinet or other parts or cause the paint to peel.

## ● Cleaning

\* When cleaning the machines, be sure to first unplug the power cord from the outlet for safety reasons.

■ Do not use benzine or alcohol, etc., as these solvents will deteriorate the cover or cause the paint to peel.

Leaving rubber or vinyl products in contact with the machines for long periods may leave stains on the machine surfaces.

### ■ Cleaning the covers and keyboards:

Wipe the covers and keyboards with a soft cloth. When using a chemically treated cloth, be sure to follow the precautions specified for it.

### ■ Cleaning the display units:

Turn off the power and then wipe the display units with a dry cloth.

\* Do not rub or knock the display units with a hard object as they are easily damaged. Do not use thinner or other solvents.

■ Use a neutral detergent diluted with water when the machines are particularly dirty.

- 1) Soak a cloth in the detergent fluid and wring it out tightly. Then wipe off the dirt with the cloth.
- 2) Finish by wiping the machines off with a dry cloth.

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# 1. INTRODUCTION

Thank you for purchasing the TEC DRWST-50A/51A Series Remote Drawer. This drawer can be connected to various terminals including the ST-5500, FF-5501, etc., which has been developed as a high-grade POS terminal.

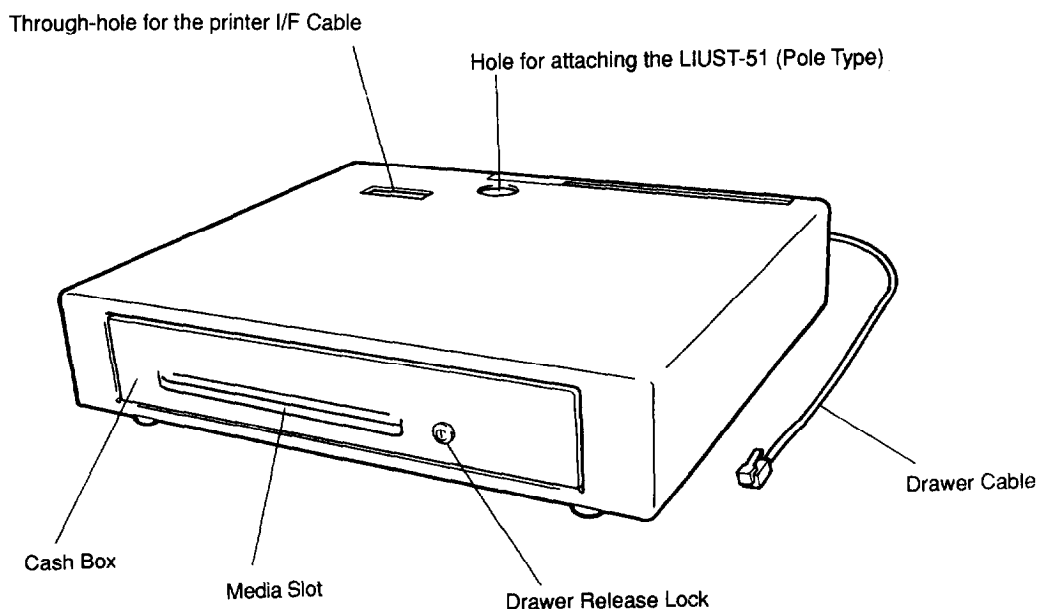
Large Type Drawer is provided for the DRWST-50A Series and SP Type Drawer for the DRWST-51A Series. The Large Type Drawer has the holes for attaching the LIUST-51 (Pole Type) and the printer I/F cable.

## 1.1 Precautions

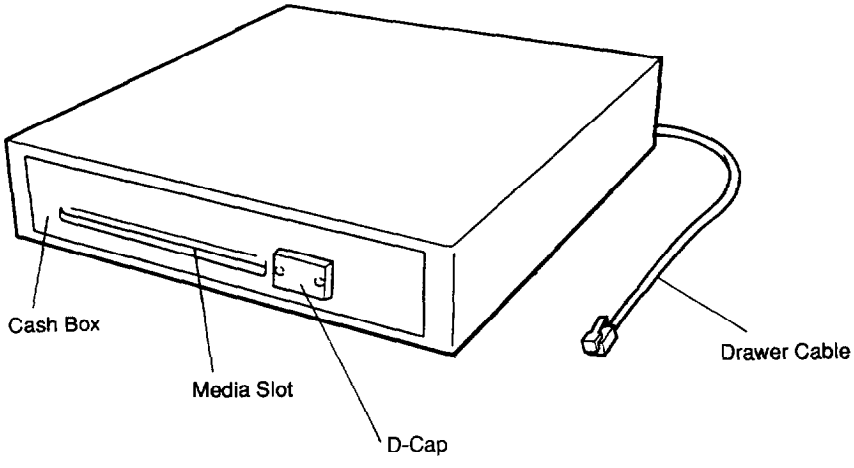
- 1) Do not subject the equipment to sudden shocks.
- 2) The cover should be cleaned by wiping with a dry cloth or a cloth slightly dampened with a mild detergent solution. NEVER USE THINNER OR ANY OTHER VOLATILE SOLVENT on the plastic covers.
- 3) DO NOT POUR WATER directly onto the drawer and NEVER IMMERSE THE DRAWER IN WATER.
- 4) Avoid using in locations subject to vibration and direct sunlight.
- 5) Be sure to install the equipment on a flat surface.
- 6) Be sure to use the equipment within the proper ranges of power, current consumption, temperature and relative humidity.
- 7) Do not roughly open or close the drawer.
- 8) Never attempt to modify the TEC equipment by yourself.

## 2. APPEARANCE AND NOMENCLATURE

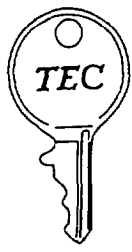
- Large Type (DRWST-50A)



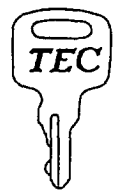
- SP Type (DRWST-51A)



Accessory Parts



Drawer Release Key (2 pcs.)

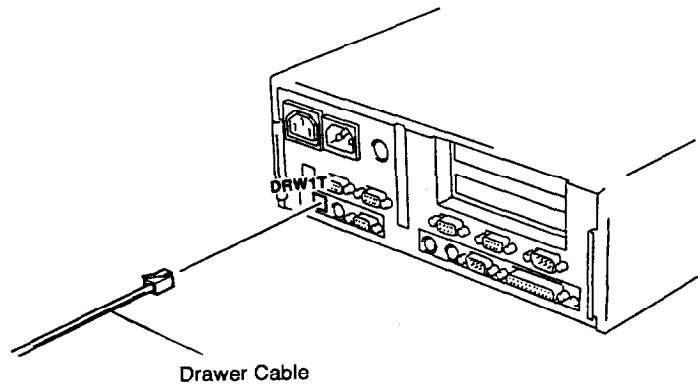


Cash Drawer Cover Key (2 pcs.)

### 3. INSTALLING THE DRAWER

**WARNING**  
Turn the **POWER SWITCH** to **OFF** of Main Control Unit before connecting the cables.

When connecting the first drawer to the ST-5500 terminal, connect the connector of the Drawer Cable to **DRW1T** of Main Control Unit.



## 4. HANDLING OF THE DRAWER

- **Manual cash drawer releasing**

- **Opening the Drawer**

Usually, the drawer is released automatically on finalizing each transaction. In the event of a power failure or other troubles, the drawer can be opened in the following manner.

- 1) Insert the Drawer Release Key into the Drawer Release Lock and turn the key clockwise 45 degrees.  
The drawer will now open.  
(or the DRAWER with D cap) Remove the D-key cap first, then insert the Drawer Release Key into the Drawer Release Lock and turn the key clockwise 45 degrees.  
The drawer will now open.
- 2) The Drawer Release Key can be taken out by returning it to the original position.

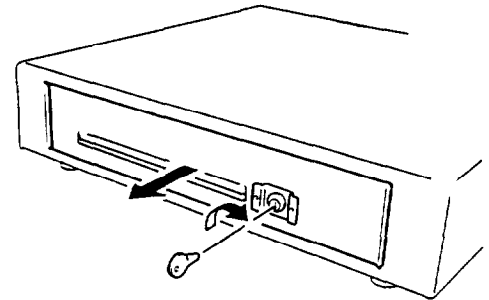


Fig. 1

- **Removing the Drawer**

- 1) To remove the drawer, lift it up and pull it out.  
(Follow the arrow in the figure when pulling it out.)
- 2) When installing the drawer, the rollers on the drawer should be placed on the rails of the drawer cabinet. Then push it all the way in.

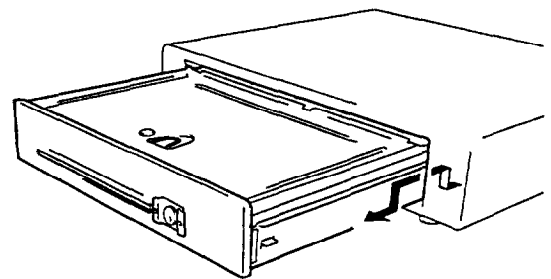


Fig. 2

- **Locking the cash drawer cover (CDC)**

- **Locking (Fig. 3)**

- 1) Push the cash drawer cover to the back of the drawer.
- 2) Press the cover lightly, insert the key into the key-hole on the cover, and turn it to lock.

- **Unlocking**

Unlock the cover using the key, and lift the front end.

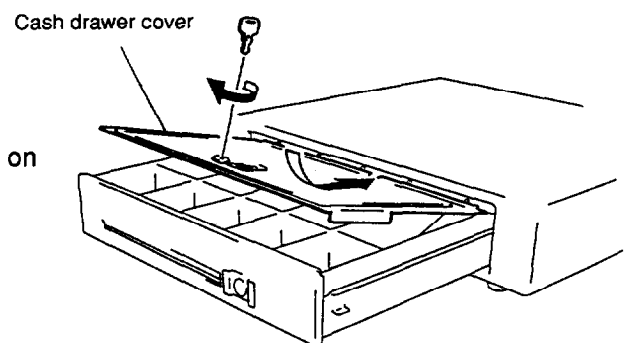
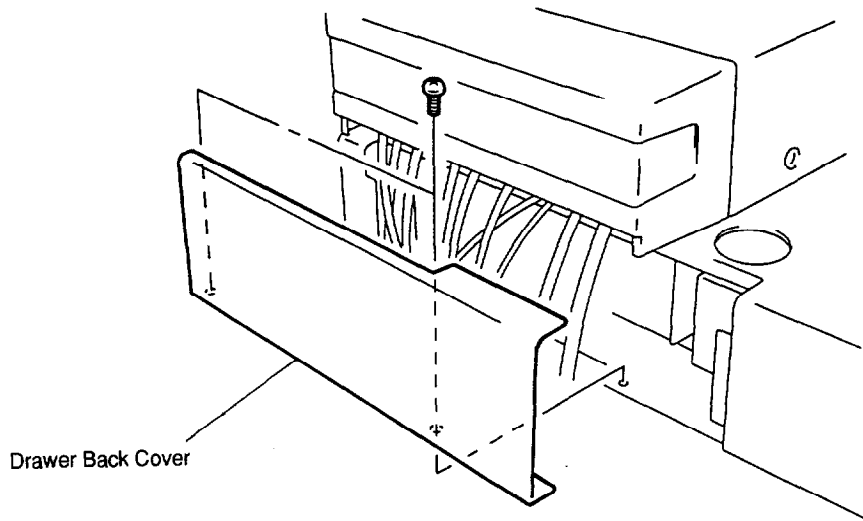


Fig. 3

- **Process of cables of each module (DRWST-50A)**

If the DRWST-50A Drawer (large type) is used, pass the cables through the space at the rear side of the drawer by removing the drawer back cover.



## 5. SPECIFICATIONS

Size	Large Type: 510 mm (W) x 455 mm (D) x 115 mm (H) (including the rubber feet) SP Type : 460 mm (W) x 400 mm (D) x 115 mm (H) (including the rubber feet)
Weight	Large Type : 12 Kg SP Type : 10 Kg
Power Consumed	0.2 A Max.
Interface with the Control Unit	Drawer open signal and drawer detection signal (Power is supplied by the Control Unit : DC + 24 V)
Ambient Temperature	0°C to 40°C
Relative Humidity	10% to 90% RH (with non condensation allowed)
Cable Length	1.6 m



