ABBERFIELD
INDUSTRIES
PTY LTD   ABN 61 000 112 569

PD32 *series*
PD31 PACKET DISPENSERS

TECHNICAL & SERVICE DETAILS

INSTALLATION / OPERATION / SERVICE / INSTRUCTIONS

DISPENSER MECHANISM MODEL NUMBERS

PD31   Small size packets
             (Cigarette lighters, toothbrush etc.)
PD32   Medium size packets
             (Tampons, napkins, condoms etc.)

MODEL NUMBERS

Single column machine   **PD31LC** (Slip off cover)
                               PD32LC1 (Slip off cover)
                               PD31FC1 *or* **PD32FC1**
Double column machine   **PD31FC2** *or* **PD32FC2**
Treble column machine   **PD31FC3** *or* **PD32FC3**

<u>KEYS:</u> Two different key numbers will have been used for security reasons. The back plate engaging the cover may be tight and require the assistance of a screwdriver etc to hold the back plate whilst opening the cover. This firm fit is desirable to minimise "rattle" of the cover when finally installed. **Abberfield Industries do not record the key numbers on the equipment that they produce. Spare keys can only be obtained if the key number marked on the key is quoted.**

INSTALLATION

Mount securely. The recommended fasteners are 25 mm diameter loxin, using a 6mm diameter bolt (1/4" Whitworth) and a large diameter thick washer.

PROCEDURE

Unlock the cover by rotating the keys anti-clockwise.

Using long nose pliers or equivalent, lift the bottom hinge pin vertically to disengage. Pull the bottom edge of the back plate down, withdrawing the top hinge pin. This allows the back plate to be used as a drilling template. Then mount the back plate to the wall, without first assembling the entire cabinet.
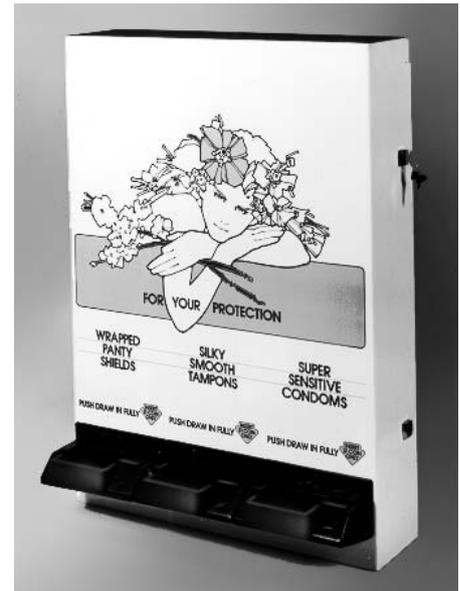
Reverse the procedure to fit the cabinet to the mounted backplate.

PD31 SERIES PACKET DISPENSERS

PD31LC1   (Single column machine)

Similar to the PD32 mechanisms but used for smaller packets such as tooth brushes, combs, suntan lotion or cigarette lighters.

This allows the front to back cabinet dimension to be reduced and the entire cover slips off of the fixed backing plate. The mechanisms is also reduced in depth but the adjustment and service instructions are the same.

PD32FC3

PD32FC1   PD32LC1

PD31LC1

ADJUSTMENTS

CHUTE ADJUSTMENTS

Different packet sizes can be accepted by adjustment of the chutes and the mechanism back stop. Other packet sizes can be accepted by replacement of the chutes and the mechanism dispense tray.

Three different "Sold Out" mechanisms are available to suit various size packets.

Adjustments of the chutes is by loosening the mounting nuts and re-positioning sideways. The chutes should be located to the centre of the dispense tray so that the "Sold Out" sign will be correctly positioned. If the chutes are extended to maximum width they must be positioned to ensure the edge of the packet does not rest on the fixed part of the plastic dispensing mechanism, or packets may catch and not enter the dispense tray correctly.
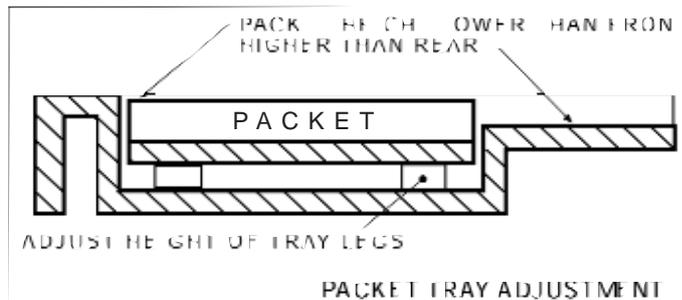
DISPENSER ADJUSTMENTS

DEPTH ADJUSTMENT

The mechanism includes an adjustable back stop which needs to be positioned with care. Assuming the correct chute has been used for the packet, the back stop should support the packet during vending, and still allow the "Sold Out" to fall into position freely. The locking tongue of the "Sold Out" should engage the dispense tray platform and slip underneath the mechanism back stop adjuster. This prevents operation of the mechanism when the product is sold out. The back stop should be adjusted so that in this locked position the sold out tray does not make contact with the product dispense chute.

The correct positioning of the back stop would be midway between too far forward, when the sold out mechanism does not fall into position correctly, and too far back, when the rear of the sold out makes contact with the dispense chutes. This ensures best performance and security.
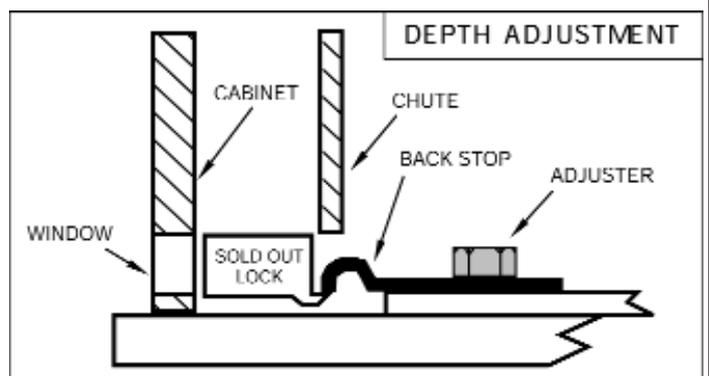
TRAY HEIGHT ADJUSTMENT

Adjustment for the depth of packet is provided via replaceable mechanism draw trays. These are held in position with four screws through the base of the drawer. However it is possible to fit or change trays whilst the mechanism is assembled as the tray mounting screws can pass through two holes in the base of the dispenser. Existing trays can be adjusted for deeper products by reducing the length of the mounting bosses, into which the screws engage. First remove the tray and adjust the boss height so that when the packet is in the tray it will protrude halfway between the product storage platform and the full height of the tray. Proper positioning is important or the packet will catch during dispensing. It is also important that the tray holding screws fit the countersunk in the moulding correctly, so as not to protrude and scratch the base assembly.
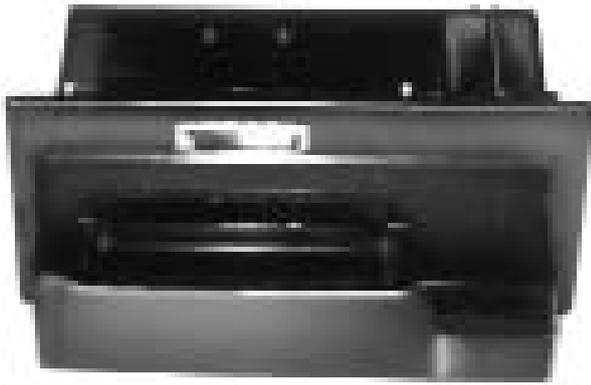

PACKET TRAY ADJUSTMENT

REMOVAL OF MECHANISM

The mechanism is usually held in place by the cast steel protector and five mounting nuts. Unscrew the protector (2 x 8 mm screws, internal).

Using a socket spanner remove the mounting nuts (5 x 4 mm, internal).

DEPTH ADJUSTMENT

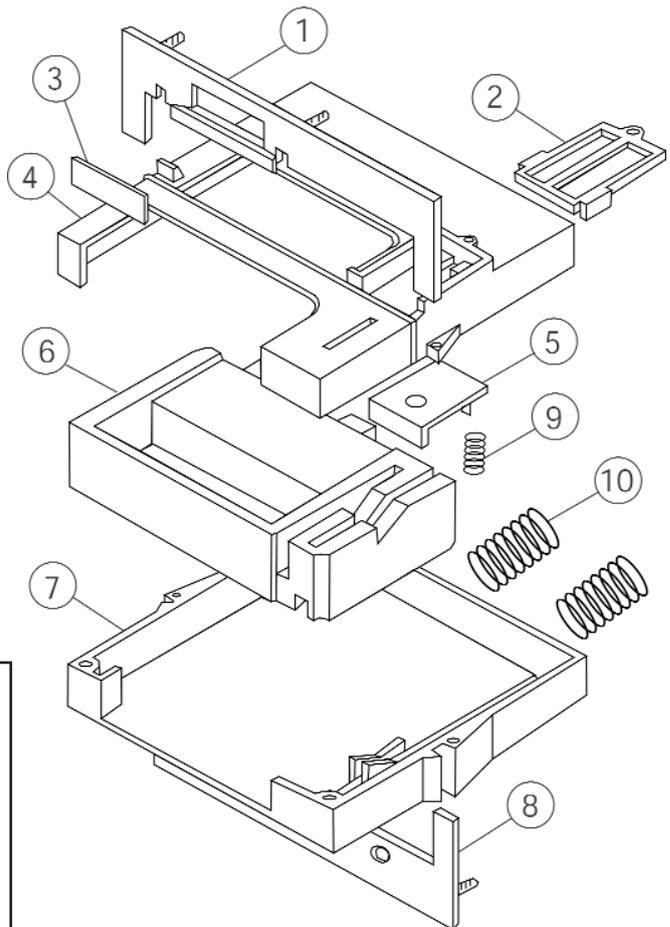**PD 31**

PD 32

COIN OPERATED VENDING TRAY

SERVICE

Simple operation reduces the need for maintenance which should be limited to infrequent application of a single drop of oil to the ratchet mechanism. The oil hole is marked and is visible on top of the mechanism.

An alternative to oil is the use of a silicon based lubrication spray which can be used on all sliding plastic surfaces. Engineering grade sprays are available and far superior to silicon furniture polish.

Accumulated dust and dirt can be removed from the mechanism by washing with warm soapy water. The mechanism should first be removed from the cabinet but if necessary it can be cleaned in place.

COMPONENT LIST
1   Top Mounting Plate
2   Ratchet Cover
3   Product Window
4   Top Location Housing
5   Ratchet
6   Product Tray
7   Bottom Location Housing
8   Bottom Mounting Plate
9   Ratchet spring
10 Tray return springs