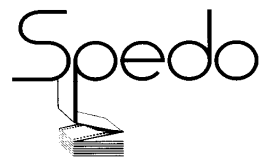


Spedo Conveyor Stacker 8400

INSTRUCTION MANUAL

Issue 2

Part Number SP 006 530



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Unpack

Unpack the equipment and examine it thoroughly to ascertain whether any damage has occurred in transit. Report immediately any such damage to the agent or manufacturer. Retain the packing should further transportation be necessary.

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Safety Measures

This instruction manual contains certain WARNING and CAUTION notices which must be followed by the user to ensure safe operation and to retain the equipment in a SAFE condition.

All users of the equipment described in this manual MUST have received adequate training in its use and application in order to ensure SAFE AND PROPER USE.

Any adjustment, maintenance or repair of the opened apparatus under voltage shall be carried out only by a skilled person who is AWARE OF THE HAZARD INVOLVED.

Spedo Conveyor Stacker 8400

Table of Contents

History Sheet.....	2
Copyright	3
Safety Measures	4
Table of Contents	5
GENERAL DESCRIPTION	SECTION 1
INTRODUCTION	6
Operation with Ancillary Equipment	6
Technical Data	7
INSTALLATION & OPERATION	SECTION 2
INTRODUCTION	8
UNPACK	8
ACCESSORIES	8
SITE CONSIDERATIONS.....	8
INSTALLATION.....	9
Alignment and Height Adjustment.....	9
Connecting the Mains (Power) Cable.....	9
Identification of main assemblies	10
OPERATING PROCEDURES	11
STACKING OPTIONS.....	12
OPERATIONAL MAINTENANCE	SECTION 3
OPERATIONAL MAINTENANCE	14
WARNINGS	14
Electrical	14
Clothing & Jewellery	14
TASK INTERVALS.....	14
REMOVAL PROCEDURES	14
Side Compartment Doors	14
RENEWAL PROCEDURES	15
Main Drive Belt	15
Conveyor Belts	16
ELECTRICAL SCHEMATICS	18

GENERAL DESCRIPTION**SECTION 1****INTRODUCTION**

Conveyor Stacker 8400 (Fig 1.1) is designed to operate with most types of guillotines, bursters, conveying/inkjet systems and sheet feeders. The speed can be varied to match on-line operation, as can the height of the machine bed.



Fig 1.1 8400 Conveyor Stacker

The conveyor stacker can be operated in step mode under optical sensor control or in step/stream mode for batching or continuous feed.

OPERATION WITH AN ANCILLARY UNIT

When fed from a cutter or burster, the conveyor stacker accepts paper in whatever sequence has been set up at the ancillary unit.

In continuous mode, if the in-feed of paper is in batches, the amount of space between batches is governed by the speed of the belts.

In batch mode the conveyer is able to boost the forms while the input device is still running. This allows for batching without a reduction in productivity.

8400 Conveyor Stacker

Technical Data

Paper Format:

Capable of handling 1 or 2 streams, of up to 480mm in total.

Paper Weight:

Single Stream: 40 to 360 gsm

Dual Stream: 40 to 360 gsm

Speed:

Up To 100ft/Min (30.5 M/min)

Power Requirements:

230 V +/- 10%

92 Watts

50 Hz to 60Hz

Noise Emissions:

57dB

Dimensions (approx):

Length: 1880mm

Width: 690mm

Height: 930 – 1110mm (Adjustable)

Weight (approx):

98kg

INSTALLATION & OPERATION

SECTION 2

INTRODUCTION

- The installation procedures given in this section should only be carried out by a competent trained service technician.
- Once the Conveyor Stacker has been declared ready to operate, the operating personnel should be made familiar with its safe operation.

UNPACK

- Unpack the equipment and examine it thoroughly to ascertain whether any damage has occurred in transit.
- Report immediately any such damage to the agent or manufacturer, Retain the packing should further transportation be necessary.

ACCESSORIES

- The following items are supplied as standard:
 - Mains Cable to Guillotine.
 - Signal Interface Cable to Guillotine.
 - Height Adjusting Tool.
 - Instruction Manual.

SITE CONSIDERATIONS

- Consideration must be given to the layout and positioning of work tables and cupboards surrounding the working area, at the same time leaving enough space around the system for the operator to have access to all operational requirements.
- All units in the system should be set square in relation to each other.
- Refer to the relevant instruction manual of any other unit in the system, before making up the combined system.

- **WARNING:** Never operate the conveyor stacker when wearing items of loose clothing or other decorative jewellery, such as necklaces or bracelets as they could become entrapped in the machinery and cause injury.
- Position the conveyor stacker such that it is square on to the preceding ancillary unit. Lock the unit into position by lowering the feet using the adjustment tool in Fig 1.2.
- To adjust the conveyor height, first release the adjustable leg locking knobs. Use the adjustment tool to raise or lower the conveyor to the required height as shown in Fig 1.3. Finally tighten the adjustable leg locking knobs to ensure the legs are secure.
- Plug in the mains power and interface cables provided, and connect to input device.

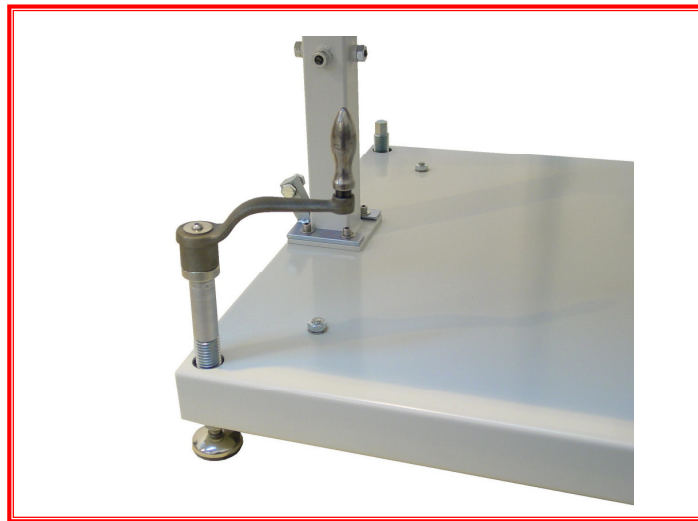


Fig 1.2 Lowering the Feet with the Adjustment Tool

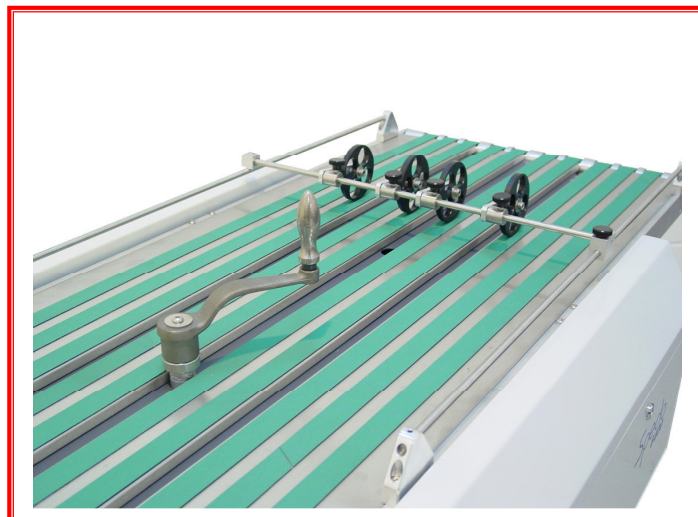


Fig 1.3 Adjusting the Conveyor Height with the Adjustment Tool

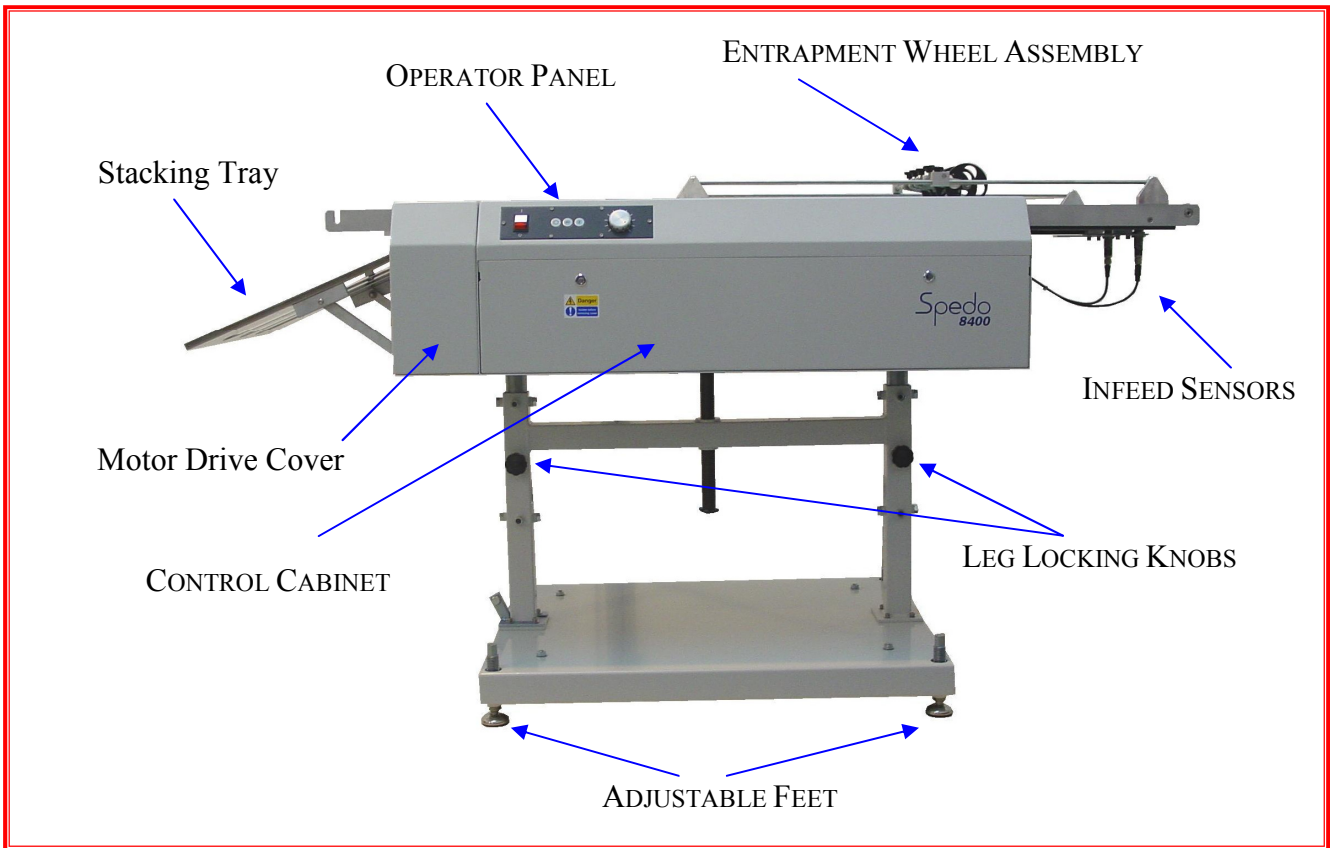


Fig 1.4 Identification of Main Assemblies

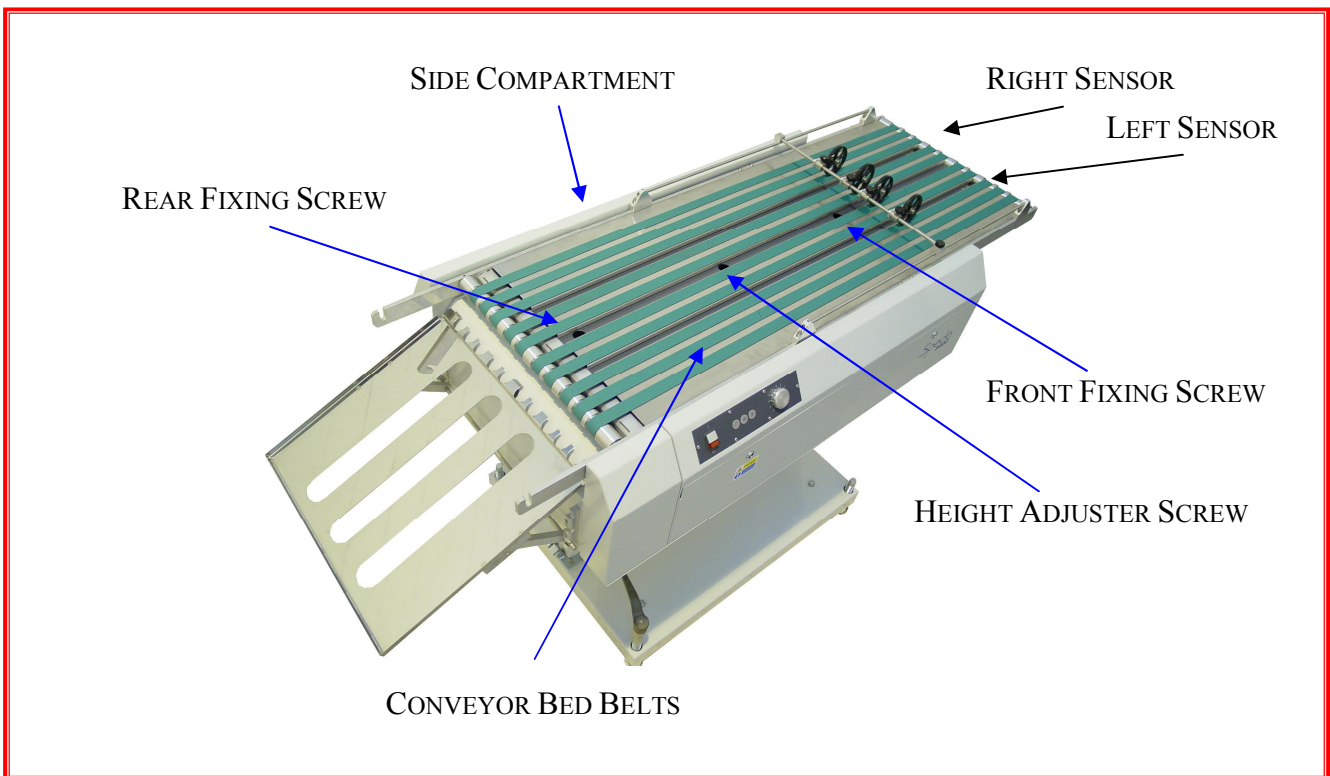


Fig 1.5 Identification of Main Assemblies

- Switch ON and check that the ON:OFF switch illuminates (Fig 1.6).

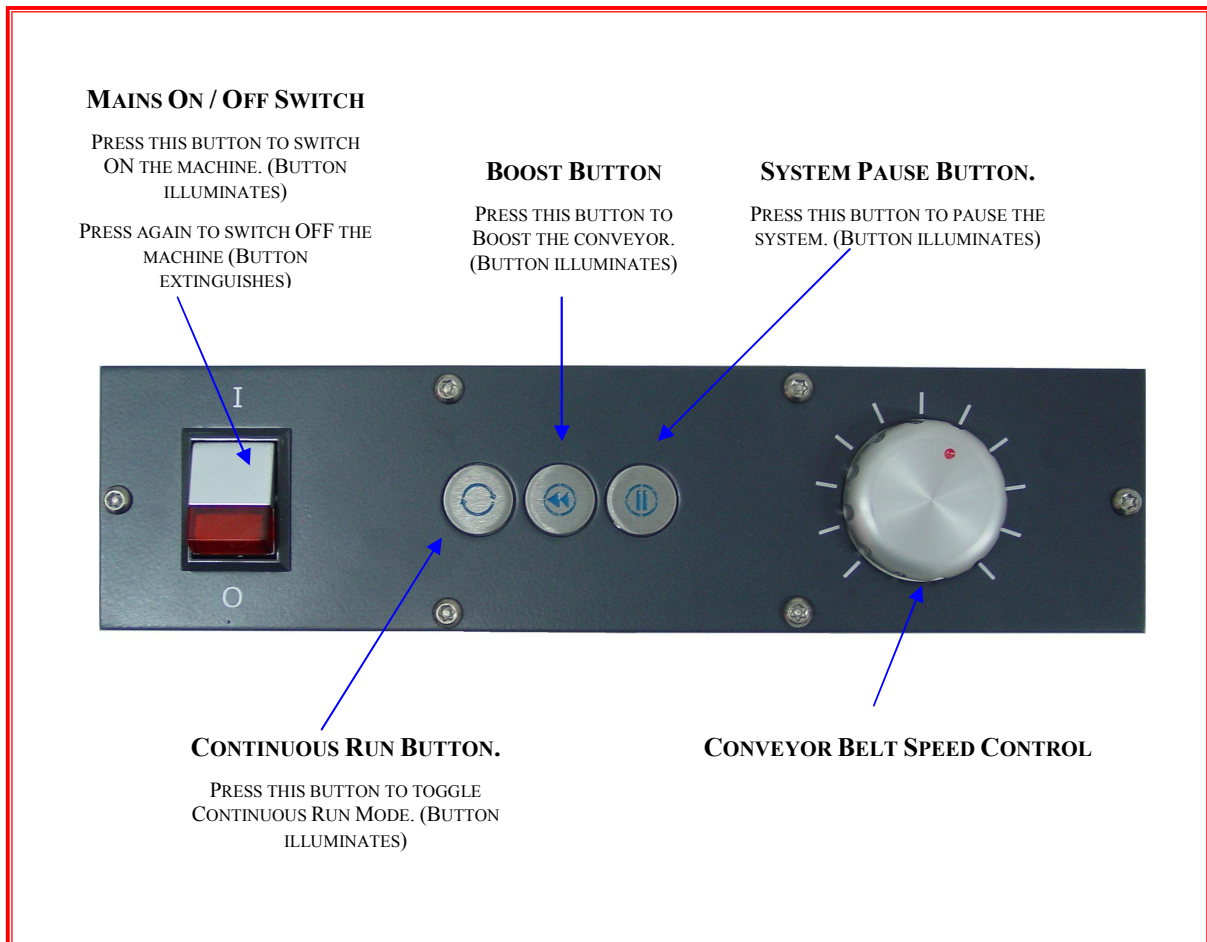


Fig 1.6 Identification of Controls

- Press the CONTINUOUS button and check that the button illuminates and the conveyor starts. Adjust the SPEED control and check that the speed of the conveyor varies. Press CONTINUOUS button again, and check that the button extinguishes and the conveyor stops.
- Press BOOST button, check conveyor moves at maximum speed. Release button and the conveyor should stop.
- Press SYSTEM PAUSE button. Check that the button illuminates and the system pauses, (if connected)
- Cover each infeed sensor in turn. Check that the conveyor runs. Uncover the sensors and check that the conveyor stops.

- Feed one form onto the conveyor and set the entrapment wheels as follows. Unclamp each entrapment wheel by loosening each thumbwheel (Fig 1.7). Slide each wheel to the required position such that when a sheet of paper is fed onto the machine bed, the wheels entrap it. Re-clamp each wheel. Set the mode and speed as required.

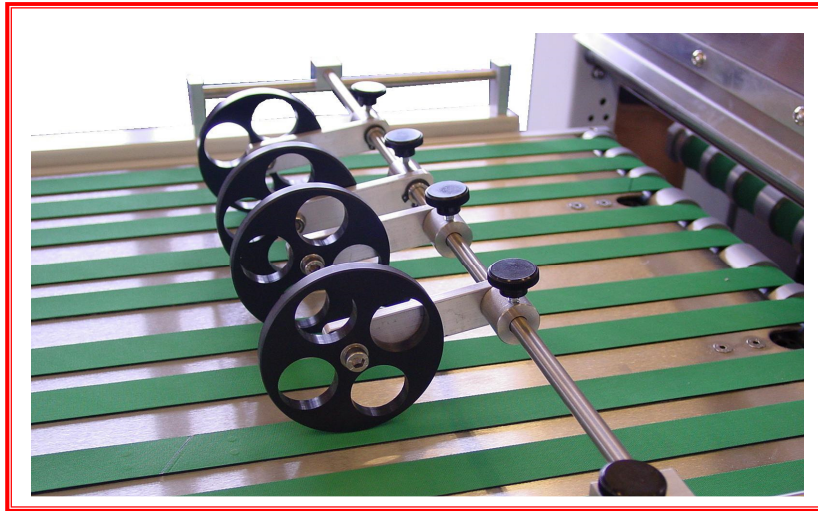


Fig 1.7 Entrapment Wheels and Thumbscrews

Stacking Options

Standard Vertical Stacking

The standard stacking tray (Part No. SP 006 535) can be used to stack the processed forms vertically. This is useful when processing shorter form lengths, for example cheques and vouchers are more manageable when stacked in this way.



Fig 1.8 Standard Vertical Stacking

Standard Downward Stacking

The standard stacking tray (Part No. SP 006 535) can be used to stack the processed forms downwards. This is useful when processing forms up to 14” in larger quantities. Forms which are stacked downwards will be stacked more precisely than vertical stacking, making handling easier.



Fig 1.9 Standard Downward Stacking

Optional Extended Downward Stacking

The extended downward stacking tray (Part No. SP 006 534) can be used to stack the processed forms downwards. This is useful when processing longer forms, up to 30” in length.



Fig 2.0 Extended Downward Stacking

OPERATIONAL MAINTENANCE

SECTION 3

WARNINGS

Electrical

Before starting any maintenance, ensure that the Conveyor Stacker has been disconnected from the mains supply.

Clothing & Jewellery

Never operate the guillotine when wearing items of loose clothing or other decorative jewellery, such as necklaces or bracelets as they could become entrapped in the machinery and cause injury.

TASK INTERVALS

- The Conveyor/Stacker has been designed for low maintenance and service costs.
- **Cleaning:** This is limited to removing the build up of paper dust with an airline on a regular basis.
- **Lubrication:** No lubrication is necessary.

REMOVAL PROCEDURES

Side Compartment Doors

- The side compartment doors are secured in position by two locks. This prevents the operator from accessing the internal moving parts and electrical assemblies.
- Unlock both locks on the side compartment door and lift out and upwards from its retainers.

RENEWAL PROCEDURES

Main Drive Belt (Fig 2.1)

- Remove Control Compartment Door.
- Using a 5mm Allen key, remove the motor cover fixing screw, and remove the motor drive cover.
- Using a 5mm Allen key, loosen the x4off M6 socket head screws on the motor mounting plate.
- Loosen the motor assembly and remove and replace the drive belt.
- Adjust the belt tension by moving the drive motor assembly up and down.
- When the correct tension is achieved, tighten all drive motor screws.
- Replace motor drive cover and secure using the M6x16 socket head screw removed earlier.

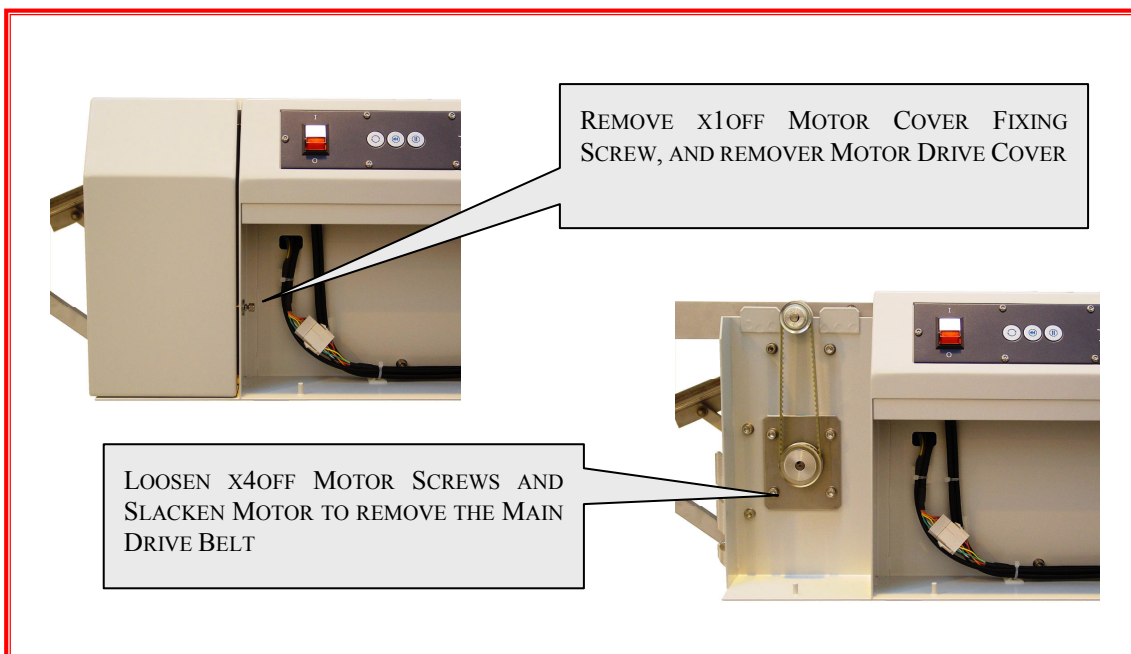


Fig 2.1 Replacing the Main Drive Belt

Conveyor Bed Belts (Fig 2.2 & Fig 2.3)

- Remove Vertical Stacking Tray, if fitted.
- Unscrew and remove both infeed sensor cables.
- Remove the main drive belt as shown above.
- Using a 8mm Allen key, remove x2 Conveyor Bed fixing screws and x2 Conveyor Bed Fixing Plates.
- Carefully lift the Conveyor Bed Assembly out of the Conveyor Base Unit.
- CAUTION THIS UNIT IS HEAVY (27.5KG).**
- Using a 5mm Allen key, remove the x4off Conveyor Bed support bars.
- Remove and replace Conveyor Bed Belts.
- Re-assemble the Conveyor Bed in the reverse to the procedure given above.

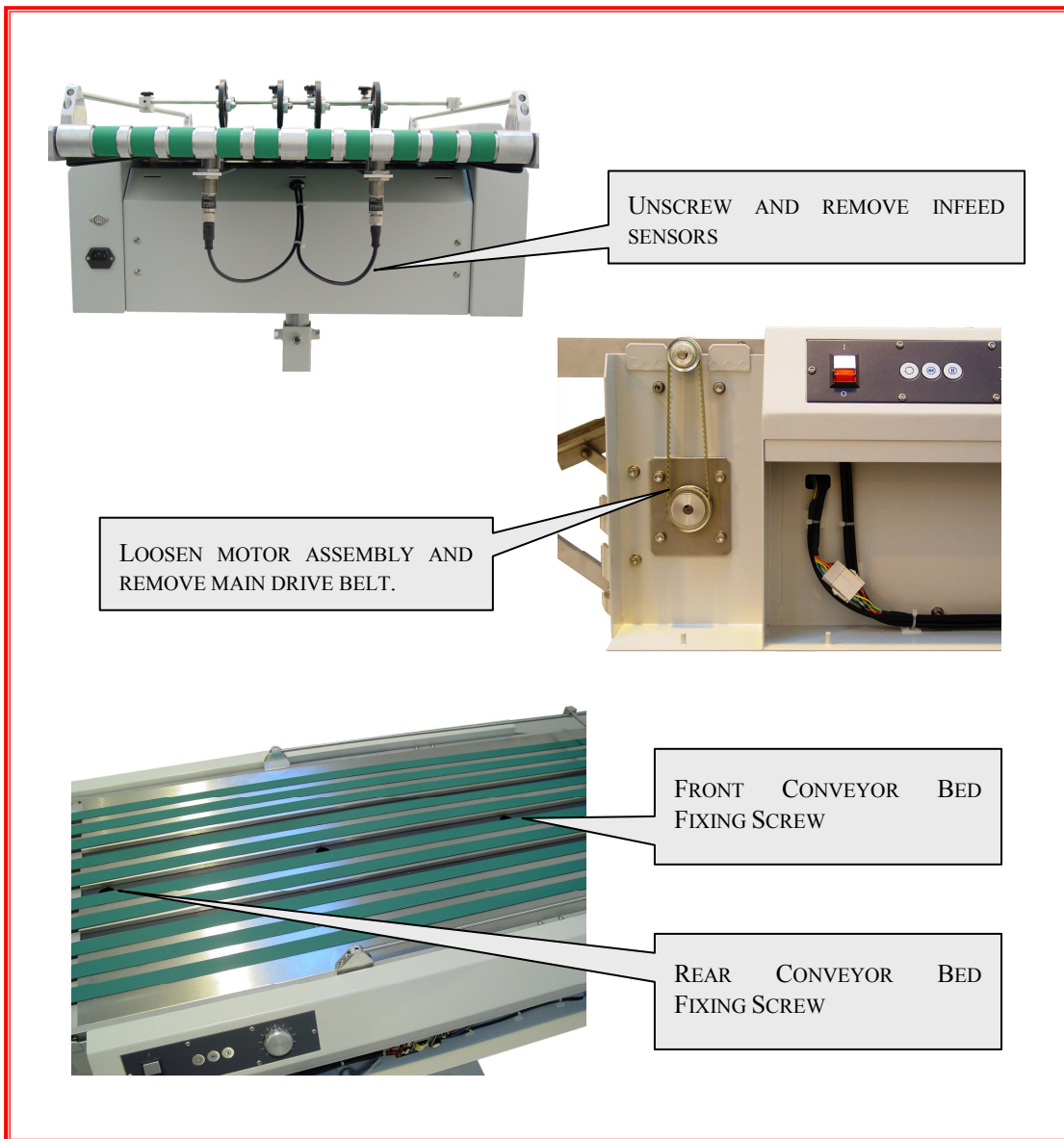


Fig 2.2 Replacement of Conveyor Bed Belts

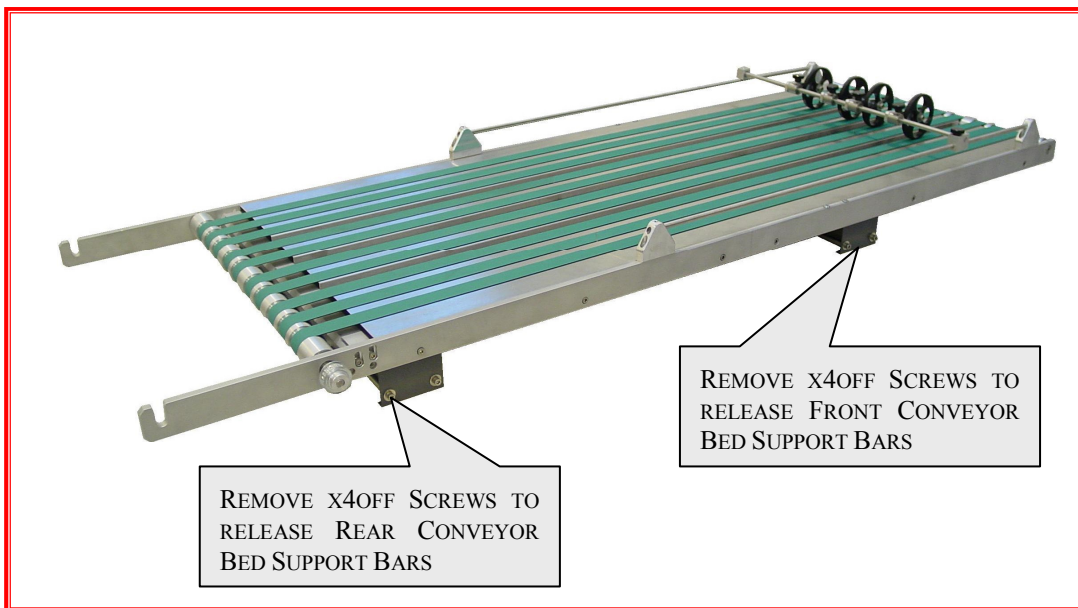
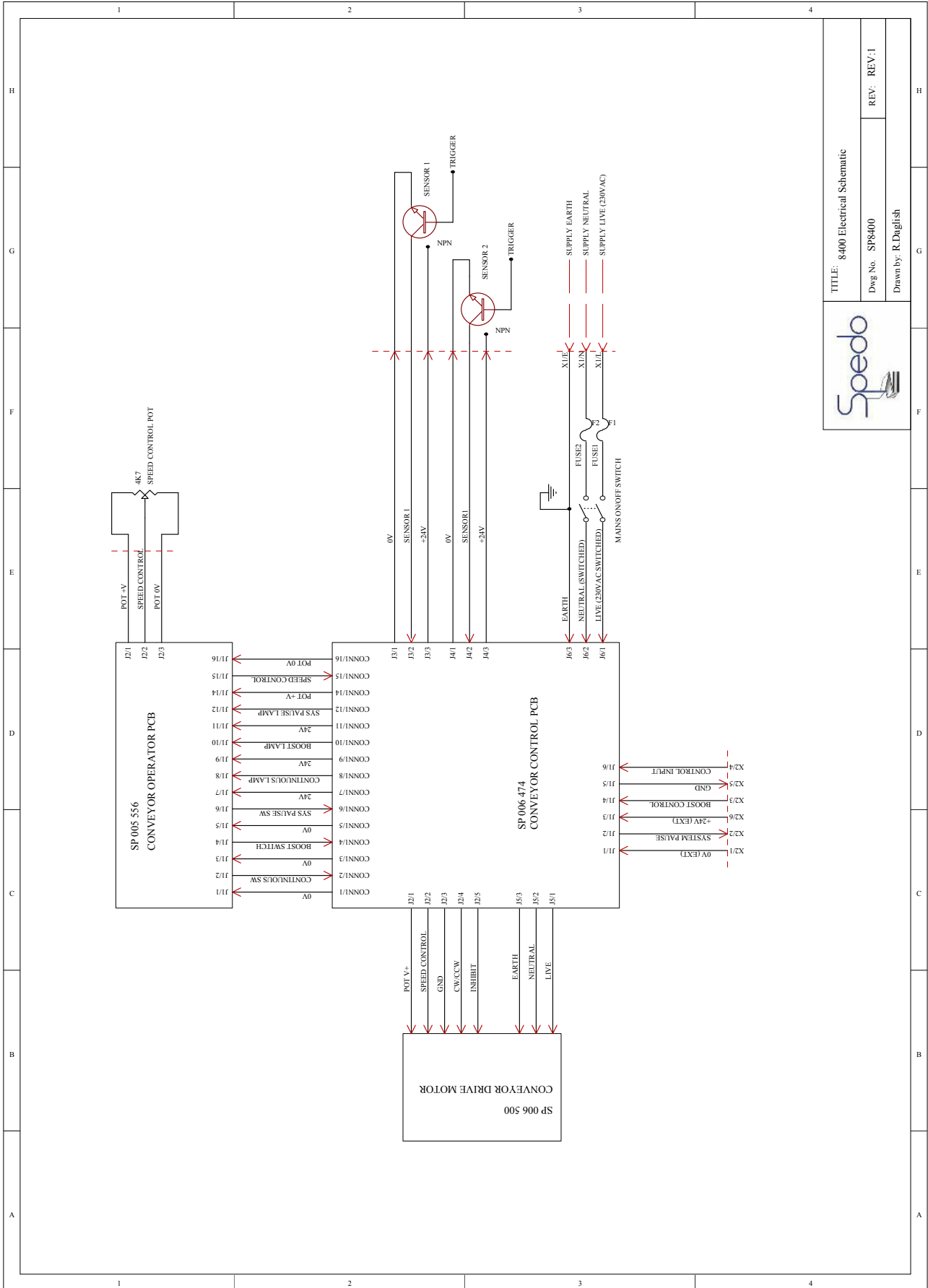


Fig 2.3 Replacement of Conveyor Bed Belts



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TITLE: 8400 Electrical Schematic
 Dwg No. SP8400
 REV: REV:1
 Drawn by: R Duglish