OWNERS MANUAL

LDXCRS

THE LOVESHAW CORPORATION
2206 EASTON TURNPIKE
SOUTH CANAAN, PA 18459

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ENGLAND
44-264-3575-11
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GENERAL SAFETY PRECAUTIONS

BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT, READ THE FOLLOWING PRECAUTIONS CAREFULLY:

* ALWAYS DISCONNECT POWER AND AIR SUPPLY (IF APPLICABLE) BEFORE SERVICING THE MACHINE. REFER TO YOUR COMPANY’S LOCK OUT/TAG OUT PROCEDURES.

* THIS MACHINE IS EQUIPPED WITH MOVING BELTS. DO NOT PLACE HANDS NEAR THE REAR OF THIS MACHINE WHEN BELTS ARE MOVING, AS FINGERS MAY BE PINCHED WHERE BELTS ENTER FRAME. (SEE MACHINE LABELS, NEXT PAGE) ALWAYS USE A ROLLER TYPE EXIT CONVEYOR AND ALWAYS REMOVE THE BOXES AFTER THEY CLEAR THE EXIT END OF THE MACHINE.

* OBSERVE CAUTION WHEN NEAR CARTRIDGE KNIFE OR WHEN THREADING TAPE. (SEE MACHINE LABELS, NEXT PAGE) KNIFE IS VERY SHARP, AUTOMATICALLY OPERATED AND IS LINKED TO THE WIPE DOWN ROLLERS.

* DO NOT ATTEMPT TO OPEN OR WORK ON ELECTRICAL BOX, JUNCTION BOXES, OR OTHER ELECTRICAL COMPONENTS WITHOUT FIRST DISCONNECTING POWER TO THE MACHINE. REFER TO YOUR COMPANY’S LOCK OUT / TAG OUT PROCEDURES. SHOCK HAZARD EXISTS IF POWER IS NOT DISCONNECTED. (SEE MACHINE LABELS, NEXT PAGE).

* DO NOT BY-PASS ANY DESIGNED-IN SAFETY FEATURES SUCH AS INTERLOCKS, GUARDS OR SHIELDS.

* DO NOT PLACE HANDS OR BODY INSIDE CONFINES OF UNIFORM TYPE MACHINES UNLESS HEAD IS SECURELY LOCKED AND POWER AND AIR ARE DISCONNECTED.

* WHEN OPERATING A SEMI-AUTOMATIC MACHINE, HOLD BOX FLAPS DOWN AT TRAILING EDGE OF THE BOX. RELEASE HANDS AS SOON AS THE BELTS TAKE THE BOX.

* DO NOT WEAR JEWELRY, LOOSE CLOTHING, SUCH AS TIES, SCARVES, ETC. AND LONG HAIR SHOULD BE PULLED BACK WHEN OPERATING THE MACHINE. (SEE MACHINE LABELS, NEXT PAGE).

* SAFETY GLASSES SHOULD BE WORN WHEN WORKING ON OR AROUND THE MACHINE.

* WHEN MOVING A MACHINE WITH CASTERS OPTION, HEAD SHOULD BE IN THE LOWEST POSSIBLE POSITION. ALWAYS MOVE MACHINE IN THE SAME DIRECTION AS THE LONG AXIS, NEVER PUSH MACHINE IN DIRECTION OF THE SHORT AXIS. SEE FOOTPRINT DRAWING.

* MACHINE LABELS (SEE NEXT PAGE) ARE PLACED ON THE MACHINE FOR YOUR SAFETY. LABELS SHOULD BE INTACT AND LEGIBLE. REPLACE LABELS IF THEY ARE WORN, DAMAGED, PEELING, OR ILLEGIBLE.
MACHINE SPECIFICATIONS

MACHINE DIMENSIONS:

HEIGHT: 61.5 inches 1562.1 mm
WIDTH: 38 inches 965.2 mm
LENGTH: 56 inches 1422.4 mm (with front pack table)

TABLE HEIGHT (adjustable):

MINIMUM: 22.5 inches 571.5 mm
MAXIMUM: 28.5 inches 723.9 mm

ELECTRICAL:

STANDARD: 115V/1/60
240V/1/50
OPTIONAL: 220V/1/50,60
220V/3/50,60
380V/3/50
440V/3/50
440V/3/60

BOX CAPACITY:

LENGTH: 4.5 inches to unlimited max. 114.3 mm to unlimited max.
WIDTH: 5.5 inches to 27 inches 139.7 mm to 685.8 mm
HEIGHT: 4.5 inches to 24 inches 114.3 mm to 609.6 mm

OPERATING SPEED:

BELT SPEED: 80 ft / min. 18 m/min.
NUMBER OF BOXES/MIN.: VARIES WITH BOX SIZE

CLOSURE MATERIAL - PRESSURE SENSITIVE TAPE

WIDTH: 1.5 inches to 2 inches 38 mm to 50 mm
MAX. ROLL DIAMETER: 15 inches 380 mm
WEIGHT: (uncrated) 180 lbs. 81 kg.
INTRODUCTION

THE LITTLE DAVID LDXCRS UNIFORM PRESSURE SENSITIVE TAPER IS DESIGNED TO TAPE TOP AND BOTTOM FLAPS OF A WIDE VARIETY OF BOX SIZES. AFTER MANUALLY ADJUSTING THE MACHINE FOR THE BOX SIZE, THE OPERATOR ONLY HAS TO FOLD THE FLAPS AND PUSH THE BOX INTO THE MACHINE AFTER WHICH THE MACHINE WILL TAPE THE TOP AND BOTTOM FLAPS AND DISCHARGE THE BOX.

THE SIMPLE BUT SOPHISTICATED DESIGN INSURES A MINIMUM OF MAINTENANCE PROBLEMS AND THE MACHINE CAN BE EASILY OPERATED BY UNSKILLED OPERATORS. DUE TO ITS SMALL SIZE AND SIMPLE PLUG-IN CONNECTION, IT CAN BE QUICKLY MOVED TO THE AREA WHERE IT IS NEEDED. IT MAY STAND ALONE OR IF DESIRED, BE INCORPORATED IN A CONVEYOR SYSTEM.

THE FINEST MATERIALS AND WORKMANSHIP HAVE BEEN EMPLOYED TO INSURE SATISFACTION. IF ADJUSTMENTS OR REPAIRS BECOME NECESSARY YOU WILL FIND SIMPLE INSTRUCTIONS OUTLINED IN THIS MANUAL. IF A PROBLEM OCCURS WHICH IS NOT COVERED IN THE MANUAL, PLEASE TELEPHONE OUR SERVICE DEPARTMENT AT:

LOVESHAW CORPORATION
2206 EASTON TURNPIKE, BOX 83
SOUTH CANAAN, PA 18459
PHONE: 1-800-962-2633 / 570-937-4921

LOVESHAW - EUROPE
UNIT 9 BRUNEL GATE
WEST PORTWAY INDUSTRIAL ESTATE
ANDOVER, HAMPSHIRE SP10 3SL
ENGLAND

OR YOUR NEAREST LITTLE DAVID DISTRIBUTOR
INSTALLATION

FOR DOMESTIC CUSTOMERS ONLY - THE LITTLE DAVID IS SHIPPED COMPLETELY ASSEMBLED.

THE LITTLE DAVID IS READY FOR OPERATION AFTER PLUGGING IT INTO AN APPROPRIATE GROUNDED ELECTRICAL OUTLET. THE CONNECTION CABLE IS LOCATED ON THE SIDE OF THE MACHINE.

THE HEIGHT OF THE MACHINE CAN BE ADJUSTED FROM 22.5 INCHES TO 28.5 INCHES (571.5 mm to 723.9 mm) BY ADJUSTING THE HEIGHT OF THE LEG EXTENSIONS.

THE MACHINE SHOULD BE PLACED ON A FLAT LEVEL FLOOR SO THAT IT DOES NOT ROCK. DUE TO ITS PORTABILITY AND EASY PLUG-IN CONNECTION, THE MACHINE MAY BE QUICKLY MOVED TO VARIOUS LOCATIONS AS THE NEED ARISES. OPTIONAL CASTERS ARE AVAILABLE, IF REQUIRED. THERE ARE HOLES PROVIDED IN THE LEG EXTENSION PADS FOR ANCHORING, IF REQUIRED.

AN OPTIONAL INFEED TABLE CAN BE INSTALLED AT THE INFEED END OF THE MACHINE, HOWEVER, A CONVEYOR MAY BE USED INSTEAD. THE INFEED TABLE CAN BE USED SO THAT THE PACKER CAN FILL THE BOXES AND CLOSE THE FLAPS PRIOR TO FEEDING THE BOXES IN THE MACHINE. A CONVEYOR SHOULD BE PROVIDED AT THE OUT FEED END OF THE MACHINE TO RECEIVE THE BOXES AS THEY ARE DISCHARGED FROM THE MACHINE. IMPORTANT: BE SURE THE TABLE AND CONVEYOR ARE 1/4" (6 mm) BELOW THE MACHINE BELT HEIGHT.
OPERATION

AFTER THE TAPE CARTRIDGES ARE LOADED, THE MACHINE IS READY TO SEAL BOXES. PLACE A SAMPLE BOX OF THE SIZE TO BE SEALED ON THE INFEED TABLE, FOLD THE FLAPS AND PUT JUST IN FRONT OF THE TOP TAPE CARTRIDGE. RELEASE THE SIDE RAILS BY TURNING THE SIDE RAIL LOCK HAND WHEEL COUNTERCLOCKWISE AND MOVE THE SIDE RAILS IN UNTIL BOTH RAILS ARE IN CONTACT WITH THE BOX. LOCK THE SIDE RAILS BY TURNING THE HAND WHEEL CLOCKWISE. RELEASE THE HEAD LOCK HAND WHEEL COUNTERCLOCKWISE. LOWER THE HEAD UNTIL IT MAKES CONTACT WITH THE BOX; THEN PUT A SLIGHT ADDITIONAL PRESSURE ON THE BOX. LOCK THE HEAD BY TURNING THE HEAD LOCK HAND WHEEL CLOCKWISE.

START THE MACHINE WITH THE START SWITCH LOCATED ON THE OPERATOR SIDE OF THE MACHINE. NOW THE SAMPLE BOX WILL BE TAPED AND DISCHARGED. THE MACHINE IS NOW READY TO PROCESS BOXES.

THE PACKER SHOULD FOLD THE BOX FLAPS IN THE NORMAL MANNER AND WHILE HOLDING THEM CLOSED ON THE REAR OF THE BOX, SHOULD FEED THE BOX INTO THE MACHINE UNTIL THE BELTS TAKE IT FROM HIM. THE MACHINE WILL SEAL THE TOP AND BOTTOM FLAPS AND DISCHARGE THE BOX TO THE OUT FEED CONVEYOR AUTOMATICALLY.
STARTER SWITCH:

THE STARTER SWITCH IS MOUNTED ON THE OPERATOR SIDE OF THE MACHINE. IT INCORPORATES A CIRCUIT BREAKER THAT IS SET TO TRIP AT THE PROPER RATING OF THE MOTOR. TO REPLACE THIS SWITCH, FIRST DISCONNECT THE MACHINE FROM THE ELECTRICAL SUPPLY. REMOVE THE SWITCH BY LOOSENING SCREWS HOLDING THE ENCLOSURE CLOSED. REMOVE ENCLOSURE TO EXPOSE MOTOR STARTER. REMOVE THE WIRES, FIRST NOTING THEIR CONNECTIONS TO THE SWITCH. SLIDE SWITCH SIDEWAYS AND UP TO REMOVE.

TO REPLACE THE STARTER SWITCH, REVERSE THE ABOVE PROCEDURE.

SIDE RAILS:

THE SIDE RAILS CENTER AND ALIGN THE BOX AS IT IS BEING PROCESSED. THEY ARE SET MANUALLY BY LOOSENING THE SIDE RAIL LOCK HAND KNOB COUNTERCLOCKWISE. MOVE THE SIDE RAILS IN UNTIL BOTH SIDE RAILS COME IN CONTACT WITH THE BOX. RELOCK THE SIDE RAILS BY TURNING THE SIDE RAIL LOCK HAND KNOB CLOCKWISE.

BELTS:


TO REPLACE BELT, PULL OUT BELT TENSION HANDLE TO REMOVE TENSION. SLIDE BELT OFF OF FRONT ROLLER AND THEN OFF REAR DRIVE ROLLER TO REMOVE. TO INCREASE/DECREASE TENSION WHEN HANDLE IS IN OUT POSITION ROTATE TENSION KNOB TO CHANGE TENSION. REPLACE BELT MAKING SURE IT IS POSITIONED IN BELT GUIDE TRACK. CLOSE HANDLE MAKING SURE NOT TO OVER TENSION BELTS.

EACH BELT IS REPLACED SEPARATELY, HOWEVER, IT IS RECOMMENDED THAT BOTH BELTS BE REPLACED AT THE SAME TIME. IT IS IMPORTANT THAT FACTORY SUPPLIED BELTS BE USED SINCE THEY ARE OF SPECIAL CONSTRUCTION.
**HEAD**

The head rides along the mast on bearings and high density polyethylene pads. The head height is adjusted by turning the head vibration lock knob counterclockwise to release the head. Turning the hand crank clockwise will raise the head to the desired position.

**Bearings:**

If any of the bearings which run against the mast need to be replaced, proceed as follows:

- Disconnect electrical supply. Place a sturdy box/block on bed of machine and lower head onto it.
- Remove the hardware and snap rings from the sides of the head to remove trolley bearings.
- Back off nuts between bearings while turning threaded shaft with a screwdriver until defective bearing can be removed.
- Reverse above procedure to replace bearing.

Whenever the bearings have been changed, the clearance between the head and the mast must be re-aligned. The clearance between the Teflon slides and the sides of the mast should be adjusted to approximately .020” (.5 mm). This should be checked through the head’s range of travel to insure that this clearance exists at the high points of the mast.

The clearance between the bearings and the front and rear surfaces of the mast should be such that the head moves freely and does not cock or sag.

**Electrical System**

The electrical system consists of a fractional hp drive motor and the starter switch. The motor and frame are grounded through the electrical connector.

The circuit breaker is factory set. If it trips, it should be reset after inspection of the electrical system.

**Warning:** The inspection of the electrical system should be done by a qualified electrician **only!**
LUBRICATION

ALL MECHANICAL PARTS ON THE LITTLE DAVID ARE PERMANENTLY LUBRICATED AND SEALED BEARINGS ARE USED THROUGHOUT.

THE REDUCER IS A SEALED UNIT.

THE MAST SHOULD BE CLEANED AND SPRAYED WITH A SILICONE LUBRICANT - THIS SHOULD BE DONE ON A WEEKLY BASIS TO ENSURE FREE MOVEMENT OF THE HEAD.
TROUBLE SHOOTING

TAPPING DIFFICULTIES:

1. TAPE DOES NOT ADHERE WELL TO BOX:
   1. CHECK THAT BOX IS NOT WAXY OR OILY.
   2. CHECK THAT BOX IS PROPERLY CUT AND SCORED SO THAT THE FLAPS DO NOT OVERLAP.
      IF THE TAPE ADHERES TO THE TOP AND BOTTOM BUT NOT TO THE END PANELS, THE BOX MAY
      BE SKEWED FORMING A PARALLELOGRAM. IF THIS CONDITION EXISTS, BRING IT TO THE ATTENTION
      OF YOUR BOX SUPPLIER.
   3. CHECK THE PRESSURE ON THE WIPE DOWN ROLLERS. IF NECESSARY, INCREASE THE MAIN SPRING
      PRESSURE.
   4. CHECK THAT THE SPRING IS NOT BROKEN.

2. TAPE END STICKS TO ITSELF OR MECHANISM:
   1. CHECK THAT THERE IS NOT TOO MUCH DRAG ON THE TAPE CAUSING STRETCHING AND SNAP BACK
      AT CUT OFF. REDUCE THE TAPE CORE DRAG SETTING.
   2. CHECK THE TAPE THREADING PATH.
   3. CHECK FOR DEFECTIVE TAPE ROLL BY PULLING TAPE OFF MANUALLY. THE PULL SHOULD BE EVEN
      AND NOT VARY SUDDENLY.
   4. CHECK TAPE GUIDE PLATE SETTING AND FREEDOM OF MOVEMENT.
   5. CHECK ROLLER FOR BINDING.

3. TAPE BREAKS OR JAMS:
   1. CHECK THE TAPE ROLL BY PULLING TAPE OFF MANUALLY. THE PULL SHOULD BE EVEN AND
      SHOULD NOT VARY SUDDENLY.
   2. CHECK THE TAPE CORE DRAG SETTING.
   3. CHECK THE TAPE THREADING PATH.
   4. CHECK FOR NICKS IN EDGE OF TAPE ROLL. PULL OFF DAMAGED TAPE.
   5. TAPE TENSION SET TOO HIGH.

4. TAPE WRINKLES:
   1. CHECK THE TAPE ROLL BY PULLING TAPE OFF MANUALLY. THE PULL SHOULD BE EVEN AND
      SHOULD NOT VARY SUDDENLY.
   2. CHECK THE PRESSURE OF THE WIPE DOWN ROLLERS. TOO MUCH OR NO PRESSURE MAY CAUSE
      WRINKLES. PRESSURE THAT IS TOO GREAT MAY DEPRESS THE FLAPS CAUSING PROBLEMS. IF
      NECESSARY, RE-ADJUST THE PRESSURE.
   3. CHECK THAT ALL THE ROLLERS TURN FREELY ON THEIR SHAFTS.
   4. CHECK THE BOX CONTENTS. PARTIALLY FULL BOXES OR VERY COMPRESSIBLE CONTENTS MAY
      ALLOW THE FLAPS TO DEPRESS EXCESSIVELY CAUSING WRINKLES.
   5. CHECK THE DRAG OF THE TAPE. TOO MUCH DRAG MAY CAUSE OVERRUNNING OF THE TAPE ROLL.
      ADJUST THE TAPE CORE DRAG SETTING.
   6. TAPE TENSION SET TOO HIGH.
   7. CHECK ROLLER STOP INSIDE CARTRIDGE.
   8. CHECK THAT THE TAPE IS PROPERLY THREADED AND THAT TAPE CORE IS PROPERLY CENTERED.
TROUBLE SHOOTING

9. CHECK THE PRESSURE OF THE HEAD AGAINST THE BELTS AND HESITATE AS IT IS BEING FED THROUGH THE MACHINE. ADJUST THE HEAD HEIGHT.

10. CHECK THAT THE BELTS ARE NOT SLIPPING.

11. CHECK ADJUSTMENT OF THE GUIDE PLATE AND FINGER PLATE.

5. SHORT TAPE TAB ON BOX:
   1. CHECK TAPE TENSION.
   2. CHECK ROLLERS FOR BINDING.

6. TAPE NOT BEING WIPED ON BOTTOM OF BOX:
   THERE ARE LARGE ECCENTRIC STOPS THAT ARE FACTORY SET TO INSURE THAT FRONT ROLLER ARM CANNOT BE DEPRESSED BELOW BOX HEIGHT. THEY ARE LOCATED INSIDE CARTRIDGE ON BOTH SIDES. WHEN FULLY DEPRESSED, FRONT WIPE ROLLER SHOULD PROTRUDE 3/32” ABOVE CARTRIDGE FRAME.
   IF THIS NEEDS ADJUSTING, ROTATE THE ECCENTRIC STOPS. USE BOTH STOPS AND MAKE SURE ROLLER ARM CONTACTS FLAT SURFACES. WHEN PROCESSING BOXES LESS THAN 5” HIGH, THE ECCENTRIC STOPS MUST BE MOVED TO THE OPPOSITE HOLE IN THE CARTRIDGE FRAME. THE FRONT ROLLER SHOULD THEN PROTRUDE TO BELT LEVEL.

7. TAPE NOT CUTTING:
   1. CHECK KNIFE ARM FOR MECHANICAL BINDING.
   2. CHECK THAT KNIFE IS NOT DULL.
   3. CHECK SPRINGS ON KNIFE STUDS.
   4. CHECK BUSHINGS IN KNIFE STUDS.
   5. IF KNIFE STOP BLOCK IS CAUSING FRICTION ON KNIFE STUDS, ROTATE UNTIL FREE.
   6. TAPE TENSION IS SET TOO LOW.

8. TAPE NOT CENTERED ON BOX:
   1. USE SCREW IN CENTER OF TAPE CORE TO RE-ALIGN.

9. TAPE NOT BEING WIPED:
   1. CHECK MAIN SPRING.
   2. TAPE TENSION IS SET TOO HIGH.
BOX PROBLEMS:

BOXES JAMMING IN MACHINE:

1. JAM CLEARING PROCEDURE:
   1. STOP MACHINE.
   2. OPEN SIDE RAILS AND RAISE HEAD.
   3. REMOVE JAMMED BOXES. CUT TAPE FLUSH WITH END OF WIPE ROLLER.
   4. RESET HEAD AND SIDE RAILS TO A SAMPLE SIZE BOX.
   5. START MACHINE. MACHINE IS NOW READY TO PROCESS THE NEXT BOX.

2. INCORRECT BOX SIZE OR SHAPE:
   1. CHECK BOXES TO MAKE SURE THE SIZE FALLS WITHIN THE LIMITS OF THE MACHINE.
   2. MACHINE WILL NOT PROCESS UNSTABLE BOXES.

3. CONTENTS BULGING THROUGH TOP OF BOX:
   1. CHECK TO BE SURE BOX IS NOT OVERFILLED WITH CONTENTS.

4. BOX SLIPPING AGAINST BELTS:
   1. INCREASE HEAD PRESSURE.

5. SIDE RAIL PRESSURE TOO HIGH:
   1. OPEN SIDE RAILS SLIGHTLY.

6. HEAD PRESSURE TOO HIGH:
   1. RAISE HEAD SLIGHTLY.

BELT DRIVE PROBLEMS:

CHECK THAT MACHINE IS CONNECTED TO A LIVE ELECTRICAL SOURCE.

1. BELTS SLIP:
   1. RAISE HEAD SLIGHTLY.
   2. CHECK BELT TENSIONING. INCREASE IF NECESSARY.

2. BOX SLIPS AGAINST BELTS:
   1. LOWER HEAD SLIGHTLY TO INCREASE PRESSURE ON BOX.

3. BELTS RUB AGAINST FRAME:
   1. CHECK THAT BELTS ARE POSITIONED CORRECTLY IN BETWEEN THE BELT GUIDE.
TAPE CARTRIDGE

TAPE TENSION ROLLER:

The tape tension roller maintains constant tension throughout the life of the tape roll. It has a one-way clutch to prevent pull back on tape. Turning the nylok nut clockwise increases the tension. Counterclockwise decreases tension. Too much tension will cause problems.

WIPE DOWN ROLLERS:

The rubber wipe down rollers wipe the tape onto the box as it passes through the machine. The front roller has a one-way clutch to prevent kickback of tape. The pressure exerted by the rollers is adjustable by changing the position of the main spring to a different hole on the main tie bar. The pressure should be sufficient to obtain a good wipe. Too much pressure can cause premature wear. Pressure should be reduced with under fill or compressible contents.

TAPE GUIDE PLATE:

The tape is guided to the front roller by the guide plate. The flat portion of this plate must be tangent to the rubber roller for proper function. This is adjustable by rotating the eccentric stop it bears against. The tape guide plate in conjunction with the finger plate forms the tape which allows it to stand up. The tape guide plate moves as the box passes, to form a corner. This ensures smooth tight tape applicable to the leading corner of the box.

FINGER PLATE:

The finger plate presses against the adhesive side of the tape and forces the tape to take the shape of the tape guide plate. It is important that the fingers just make contact with the tape guide plate, when there is no tape in cartridge. If an adjustment is necessary gently bend the fingers near the tips. Only bend a small amount, then check. Fingers must contact plate. When the guide plate is moved the fingers should not follow. Note: Fingers should be able to move 1/8” away from plate.

KNIFE ARM:

The knife arm is mounted at an angle to cut the tape like a scissors. A stud located on the mounting block to prevent incorrect replacement of knife. The knife should be cleaned periodically using a rag and cleaning fluid. Do not use a wire brush or other abrasive device. The knife arm should be adjusted so that the tips of the knife arm are 2 1/2” from the cartridge frame. This can be adjusted by loosening the small nut on the knife arm stud and rotating the stud until the large nut contacts the bumper at the desired setting. Knife arm tension is controlled by the compression spring on the stud. Tighten the nylok nut for greater tension. Always power down machine first.
LOADING TAPE:

TOP TAPE:

1. RETRACT DETENT WITH RIGHT HAND.
2. WITH LEFT HAND, GRAB CARTRIDGE NEAR TAPE CORE AND ROTATE UP/BACK.
3. LOAD TAPE ON TAPE CORE.
4. FOLD TAPE ON ITSELF TO PREVENT ADHESIVE FROM GRABBING CARTRIDGE (ABOUT 1 FT. IN LENGTH).
5. THREAD AS PER DIAGRAM LOCATED ON TAPE CARTRIDGE.
6. ROTATE REAR ROLLER ARM TO EXPOSE KNIFE.
7. PULL EXCESS TAPE ACROSS KNIFE TO CUT OFF FOLDED TAPE.
8. RELEASE REAR ROLLER ARM.
9. GRAB TAPE ROLL WITH LEFT HAND AND ROTATE CARTRIDGE UNTIL IT CONTACTS DETENT. MAINTAIN GRIP OF TAPE ROLL WITH LEFT HAND WHILE RETRACTING DETENT WITH RIGHT HAND. LOWER CARTRIDGE INTO PLACE.

BOTTOM TAPE:

1. GRAB REAR ROLLERS.
2. GRAB FRONT SHAFT OF CARTRIDGE.
3. RAISE REAR OF CARTRIDGE AND MOVE CARTRIDGE UP AND OUT OF MACHINE.
4. THREADING IS THE SAME AS TOP CARTRIDGE.
5. GRABBING THE CARTRIDGE BY REAR ROLLER AND FRONT SHAFT, ANGLE FRONT OF CARTRIDGE ONTO MOUNTING BOLTS AND THEN LOWER REAR OF CARTRIDGE.
Little David® Warranty

For: All Standard Little David® Semi-Automatic Case Sealers.
All Standard LD-16 Series Fully Automatic Case Sealers.
All Special Application Case Sealers (Fully & Semi-Automatic).

2 YEAR WARRANTY ON DRIVE MOTOR
2 YEAR WARRANTY ON GEAR MOTOR

2 YEAR WARRANTY ON GEAR REDUCER
3 YEAR WARRANTY ON TAPE CARTRIDGE

1 YEAR ON PLC
1 YEAR ON SERVO DRIVE
1 YEAR ALL OTHER PARTS

(EXCEPT FOR WEAR AND MOVING PARTS.)

*LIMITED WARRANTY – LOVESHAW, AN ITW COMPANY (HEREIN AFTER “LOVESHAW”) WARRANTS ONLY THAT THE GOODS SOLD BY IT SHALL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP, UNDER PROPER AND NORMAL USE AND MAINTENANCE, AS FOLLOWS:

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<tr>
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(THE APPLIES TO SIDE BELTS ONLY)

(EXCEPT FOR MOVING PARTS THAT ARE SUBJECT TO NORMAL WEAR, TEAR AND REPLACEMENT, WHICH ARE WARRANTED ONLY TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP.)

THE WARRANTY PERIOD SHALL COMMENCE AS OF THE DATE OF DELIVERY TO THE PURCHASER. THE OBLIGATION OF LOVESHAW UNDER THIS WARRANTY IS STRICTLY LIMITED TO THE COST OF REPAIRING OR REPLACING, AS LOVESHAW MAY ELECT, ANY PART OR PARTS THAT PROVE IN LOVESHAW’S JUDGMENT TO HAVE BEEN DEFECTIVE IN MATERIAL OR WORKMANSHIP AT THE TIME THE GOODS WERE SHIPPED FROM LOVESHAW’S PLANT. ANY WARRANTY CLAIM NOT MADE IN WRITING TO LOVESHAW AT ITS HOME OFFICE WITHIN THE APPLICABLE WARRANTY PERIOD AND WITHIN 10 DAYS OF FAILURE WILL NOT BE VALID. THIS IS THE SOLE AND EXCLUSIVE REMEDY AVAILABLE UNDER THIS WARRANTY. UNDER NO CIRCUMSTANCES WILL LOVESHAW BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES.

IF REQUESTED BY LOVESHAW, PURCHASER SHALL RETURN ANY DEFECTIVE PART OR PARTS TO LOVESHAW’S PLANT, FREIGHT PREPAID. ALL WARRANTY PART REPLACEMENTS /REPAIRS MUST BE MADE BY LOVESHAW OR A LOVESHAW AUTHORIZED TO HANDLE THE GOODS COVERED BY THIS WARRANTY. ANY OUTSIDE WORK OR ALTERATIONS DONE WITHOUT LOVESHAW’S PRIOR WRITTEN APPROVAL WILL RENDER THIS WARRANTY VOID. LOVESHAW, AN ITW COMPANY WILL NOT ASSUME ANY EXPENSE OR LIABILITY FOR ANY REPAIRS MADE TO ITS GOODS OUTSIDE ITS WORKS WITHOUT ITS PRIOR WRITTEN CONSENT. THIS WARRANTY SHALL NOT APPLY TO ANY ITEM THAT HAS NOT BEEN USED, OPERATED, AND MAINTAINED IN ACCORDANCE WITH LOVESHAW’S RECOMMENDED PROCEDURES LOVESHAW SHALL HAVE NO LIABILITY WHATSOEVER WHERE THE GOODS HAVE BEEN ALTERED, MISUSED, ABUSED OR INVOLVED IN AN ACCIDENT.

NO PERSON IS AUTHORIZED TO MAKE ANY WARRANTY OR TO CREATE ANY LIABILITY BINDING UPON LOVESHAW, WHICH IS NOT STATED IN THIS WARRANTY. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, WHICH ARE HEREBY EXCLUDED. IN PARTICULAR, THE IMPLIED WARRANTY OF MERCHANTABILITY, AS WELL AS THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED.

LOVESHAW AN ITW COMPANY
2206 EASTON TURNPIKE, BOX 83 SOUTH CANAAN, PA 18459
TEL: 570.937.4921 - 800.572.3434 - FAX: 570.937.3229

LOVESHAW an ITW Company
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**TOLERANCES UNLESS OTHERWISE NOTED:**

- **Inch:** ±0.050
- **Metric:** ±0.1mm

**MACH FINISH:**

- **Inch:** +0.100, -0.050
- **Metric:** +0.030, -0.005

**FRACTIONS:** 1/64

---

**NOTES:**

- MATERIAL: STAINLESS: NO FINISH
- SCALE: DRAWN
- APPROVED: KENK
- DRAWN DATE: 9/5/2008
- PLOT DATE: 12/16/2008
- CAD FILE: TSALDXCrs.idw
- DWG NO: .TSALDX

**STALTH**:

- RT. 286, SOUTH CANAAN, PA.
- LOVESHAW-ITW
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(SSID) - DENOTES STAINLESS STEEL PART.

Title: SIDE RAIL ASSEMBLY LDXCRS - SHORT

Material: ST. ST. STD

Part Notes:

- SCALE: NONE
- MATERIAL: STAINLESS
- NOTED: 4/4
- CHECKED: KENK
- DRAWN: KENK
- APPROVED: KENK

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Tolerances:

- Incent: \( \pm \frac{1}{64} \) mm
- Metric: \( \pm 1.0 \text{mm} \)

Material: STAINLESS NO FINISH

LOVESHW - an ITW Company

RT. 296, SOUTH CANAAN, PA.
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TOLERANCES UNLESS OTHERWISE NOTED:

- INCH: .X = ±.050
- METRIC: .X = ±1.0mm

FRACTIONS 1/64

LOVESHAW an ITW Company
RT. 296, SOUTH CANAAN, PA.

ELECT. BOX ASSEMBLY LDSXCRS

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DO NOT SCALE PRINT

STAINLESS: NO FINISH

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Elect. Box Assy. 240/1/50

Revision History

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Material: Stainless / No Finish

Noted: Do Not Scale Print

Fractions: 1/64

LoveShaw an ITW Company
RT. 296, SOUTH CANAAN, PA.
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**TOLERANCES UNLESS OTHERWISE NOTED:**

- INCH
  - .X = ±.050
  - .XX = ±.015
  - .XXX = ±.005
- METRIC
  - .X = ±1.0mm
  - .XX = ±.3mm
  - .XXX = ±.1mm

**ANGLES**

- 1/2

**MACH. FINISH**

- TOP, BORE, WORK

**REVISION HISTORY**

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**NOTED**

- N/A

**ST. ST.**

- N/A

**DRAWN DATE**

- 9/5/2008

**PLOT DATE**

- 12/12/2008

**PART #**

- ETA LDXCRS

**MATL.**

- STD

**STAINLESS: NO FINISH**

- DO NOT SCALE PRINT

**DWG NO:**

- ETA/LDX

**SCALE:**

- N/A

**MATERIAL:**

- NOTED

**CHECKED:**

- CHECKED

**DRAWN:**

- KENK

**APPROVED:**

- KENK

**TITLE:**

- EXIT TABLE ASSEMBLY LDXCRS

**LOVESHAW**

- an ITW Company

**RT. 296, SOUTH CANAAN, PA.**
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Material: STAINLESS NO FINISH

DO NOT SCALE PRINT

TOLERANCES UNLESS OTHERWISE NOTED:

INCH

- .050
- .015
- .005

METRIC

- 1.0mm
- .3mm
- .1mm

FRACTIONS 1/64

Angles ±1/2

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RT. 296, SOUTH CANAAN, PA.

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A   | RELEASED    | 10/8/2007 | AJS

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FRACTIONS 1/64

ANGLES ±1/2

MACH. FINISH ✓

10/8/2007

CASTER ASSEMBLY

LOVESHW - an ITW Company

RT. 296, SOUTH CANAAN, PA.