

DAVIS PACKAGING

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TD-362 Dual Roll Console Reference Guide



SPECIFICATIONS	
Overall Dimensions:	42.75" W x 26.5" D x 33.75" H (drawer closed) 42.75" W x 36.25" D x 33.75" H (drawer open)
Working Height:	33 1/2" (91cm)
Power Requirement:	115 Volt, 12 Amp, 60Hz
Wattage:	1300 Watts
Unit Weight:	150 lbs (68 kg)
Shipping Weight:	171 lbs (89 kg)
Rec. Thermostat Setting:	240 degrees

Unit Setup

1. Pry open crate. Remove shrink wrap, cut banding, gently remove unit from crate.



Box containing 4 Wheels



Front Wheels

Rear Wheels

2. Locate and remove box secured to rear leg containing 2 front lockable wheels and 2 rear standard wheels.
3. Lift one side of console and insert one front lockable wheel into the front leg and one standard wheel into the rear leg. Lower unit and press down firmly to 'click' wheels securely into each leg. Repeat with opposite side.



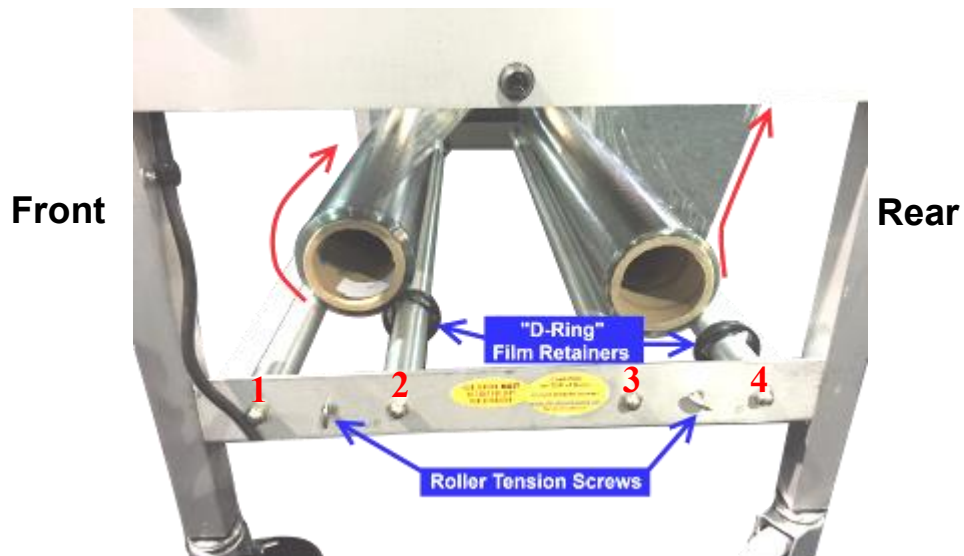
Locking wheels in front



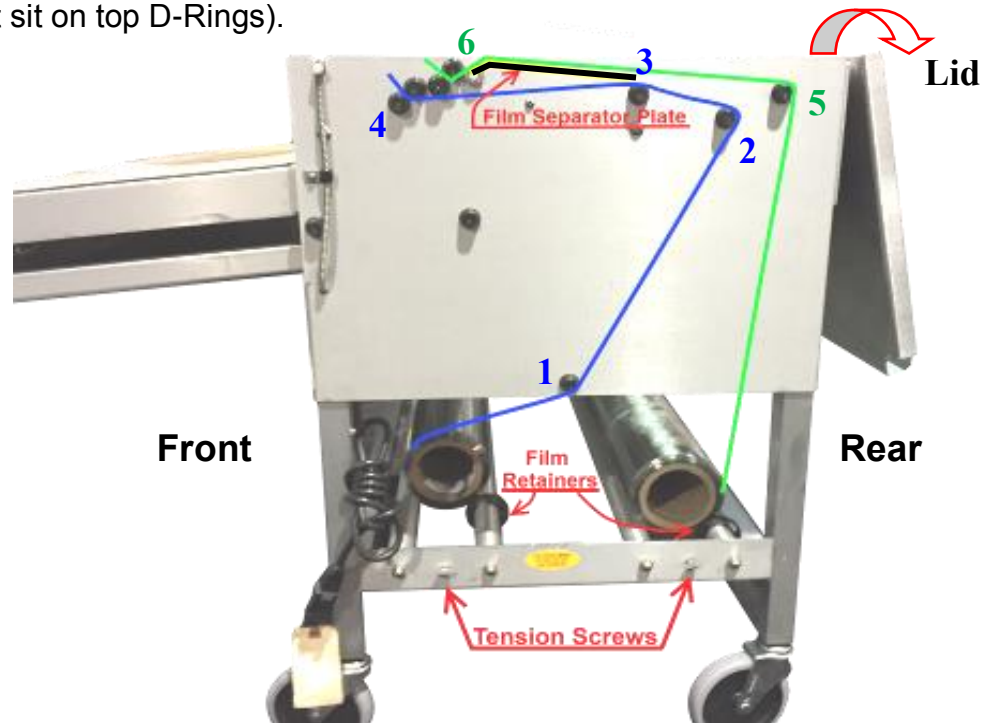
Press down turn lock 'ON' or 'OFF'

4. After console is placed in desired location, using your foot, gently push the 'ON' tab on each front wheel DOWN to lock. This will prevent the console from moving while in use. Press the OFF tab DOWN to unlock when needed.
5. Remove any remaining protective packaging and discard.

Film Threading



1. Slide black plastic **D-Ring Film Retainers** to each end of roller bars **2** and **4**.
2. Place **Front Film** roll on top center of bars **1** and **2** so the film unrolls from the **front** of the roll as shown by the red arrow above.
3. Place **Rear Film** roll on top center of bars **3** and **4** so the film unrolls from the **back** of the roll as shown by red arrow above.
4. Slide **D-Rings** roughly 1/8" from outside edges of each film roll to keep roll from sliding across the roller bar (*Film does not sit on top D-Rings).



6. Open top work surface **Lid**.
7. Starting with the **Front Film Roll**, pull film under bar **1**, over bar **2** and **3**, lift and pull under **Film Separator Plate**, lower Separator Plate and pull through upper and lower pincher bars **4**.
8. Next, pull film from **Rear Film Roll** straight up and over bar **5**, over the **Film Separator Plate**, and through upper and lower pinch bars **6**.
9. Close top work surface **Lid**.
10. Tighten or loosen **Front and Rear Tension Screws** on bottom film roller bars until a very slight drag is felt when pulling film. This adjustment will prevent film rolls from overspinning.

Start-Up

Positioning: Roll unit into desired floor position.

Use foot to press “ON” tab DOWN on both front wheels to lock unit in place and prevent movement while wrapping. To unlock, use foot to press “OFF” tab to the down position.



Press “ON” tab DOWN to lock in place

Power: Plug unit into a standard grounded three prong 110-120 volt outlet. A basic surge protector is recommended to protect unit circuitry from unexpected power spikes.

Flip the Control Box Power Switch, located under the front right side of the sliding drawer, to the **ON** position. The Power Light above the switch should glow **Red** indicating power is flowing to the Cutting Rod and Heat Tray.

CAUTION: To avoid potential fire hazard or damage to the unit, power should be switched Off when the unit is not in use for extended periods.

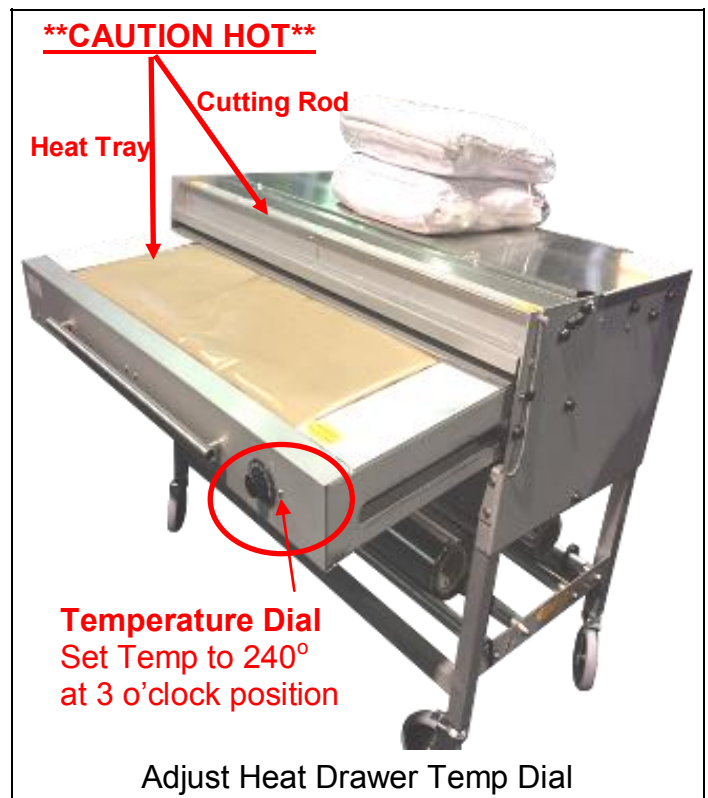


Flip Power Switch to “ON” position

Temperature Setting: The Temperature Dial on the front of the sliding drawer controls the temperature of the Heat Tray Seal Plate only. Recommended dial setting is 240° and set by turning the dial to the rivet/screw indicator at the 3 o’clock position. The Cutting Rod temperature is set at a fixed temperature and NOT controlled by the Temperature Dial

The unit should come to operating temperature within 3-5 minutes after Power Switch is turned ON and when wrapping film easily cuts across the Cutting Rod. Reduce heat if Seal Plate melts holes in wrapping film when sealing.

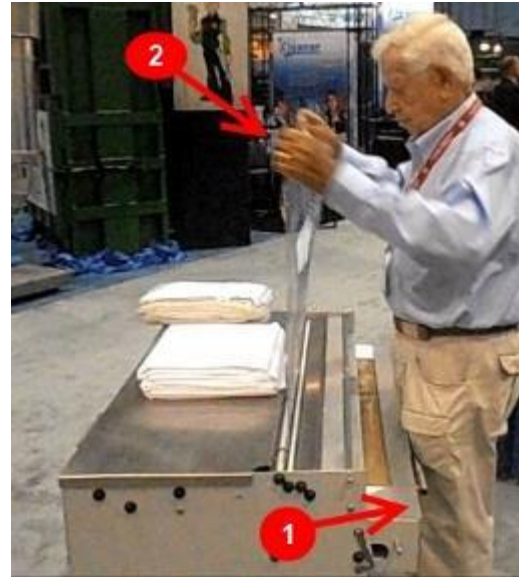
***CAUTION:** The Cutting Rod and Heat Tray are HOT and may cause burns if touched directly or used incorrectly.



Adjust Heat Drawer Temp Dial

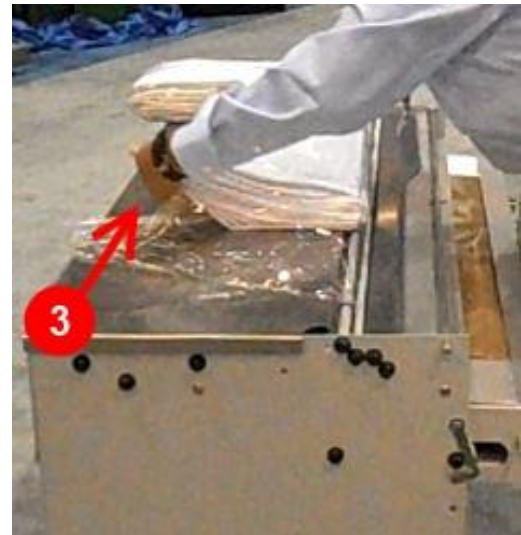
Wrapping Technique

Unhook Drawer Retainer Latch on left side of drawer. With bundle centered on top work surface, walk towards the front of the machine pushing the sealing tray (1) into the unit until it stops.



Next, pull enough wrapping film straight up from the front (2) to wrap over, around, and roughly 2" under the back of the bundle.

Pull wrap over the bundle (3) and tuck at least two inches of film under the back of the bundle. Don't let go of the film.



While holding the tucked film under the back of the package, slide hands around to the sides (4).

Lift both the film and the bundle several inches above the work area, take a large step backward to allow the sealing tray to automatically slide out.



Lower the bundle onto the center of the seal plate (5). This will seal the bottom of the bundle

The film should fall over the hot rod (6) and cut the bundle from the roll.



To seal the sides, lift and hold the left side of the bundle with your right hand (7).

Grab the center of the left end of the film with your left hand. Pull outward to untangle and tuck tightly underneath the bundle (8).



Lower onto the sealing platform to seal.

Alternate hands and repeat the above steps to seal the right side of the bundle.

The bundle is now wrapped.

Sealing Problems?

- If back of package is not fully sealed, not enough film was tucked under the back of the package or came loose from bottom - See Photo 3 and 4.
- If Bottom is not securely sealed turn heat up slightly. If melt holes appear in bottom heat is too high. Recommended temperature is 240°.



GENERAL QUESTIONS

If a new machine doesn't turn on (heat up) what should we do?	Ensure power switch is ON. Check if fuse is blown. Check for loose wires in the electrical box, shipping may loosen wire connections.
My unit is tripping a GFCI?	The wires or black wiring terminal block in the hot plate may be shorting and should be checked or replaced. If the thermostat is shorting to ground, replace the thermostat.
What is the standard voltage on wrapping machines?	110V (220V is available)
How do I change my Non-stick cover?	When unit is cool, pull cover off, it is not attached.
What kind of film do I use?	PVC cling film for wrapping laundry, meat, or produce. PVC chemical characteristics provide barriers to protect the product. Clear stretch film for pallet wrap is Polyethylene and not to be used on wrappers.

ABOUT THE HOT ROD

My hot rod is cold, what should I do?	<p>Check the fuse, replace if blown.</p> <p>Check the circuit board for loose wires and power.</p> <p>See detailed instructions for testing the Circuit Board on page 8.</p>
My hot rod is not hot enough or too hot, what should I do?	a) Check the circuit board, see page 8. On older boards, if potentiometer has been adjusted the rod will no longer work correctly.
My hot plate works but my hot rod doesn't?	<p>Hot Rod, Circuit Board and Fuse Holder work together.</p> <p>Hot Plate, Thermostat and Element work together.</p> <p>Hot Plate and Hot Rod are independent of each other.</p> <p>See page 8 for testing the Hot Rod Circuit Board.</p>

ABOUT THE HOT SEAL PLATE

Why is the Hot Plate smoking?	That is excess protective coating on the heating element burning off and should last no more than 10 or 15 minutes.
My hot plate is cold?	Check element then thermostat and wires to thermostat.

WHEN REPLACING THE HOT ROD OR CIRCUIT BOARD, IT IS RECOMMENDED TO REPLACE BOTH SINCE THEY WORK TOGETHER.

Trouble Shooting

CUTTING ROD TOO HOT OR NOT HEATING

1) Check the Fuse

If a visual inspection does not verify a blown fuse, check the following:

- **Neon Circuit Tester:** With the power **OFF**, disconnect red wire from **Circuit Board Terminal 1** and secure it out of the way without touching any metal. With power **ON**, test across **Circuit Board Terminals 3 and 4**. If tester does not light, replace fuse.
- **Multimeter:** Check the fuse for continuity with meter across the two fuse ends. If meter does not show continuity, replace fuse.

2) Test the Cutting Rod

- **Neon Circuit Tester:** With the power **OFF**, disconnect red wire from **Circuit Board Terminal 1** and secure it out of the way without touching any metal. With power **ON**, test between **Terminal 1** and end of disconnected wire. If tester does not light, cutting rod is bad.
- **Multimeter:** With the power **OFF**, remove the red cutting rod wires from **Circuit Board Terminals 1 and 2**. Using the meter, measure the resistance of the rod by connecting the leads of the meter to the red wires.

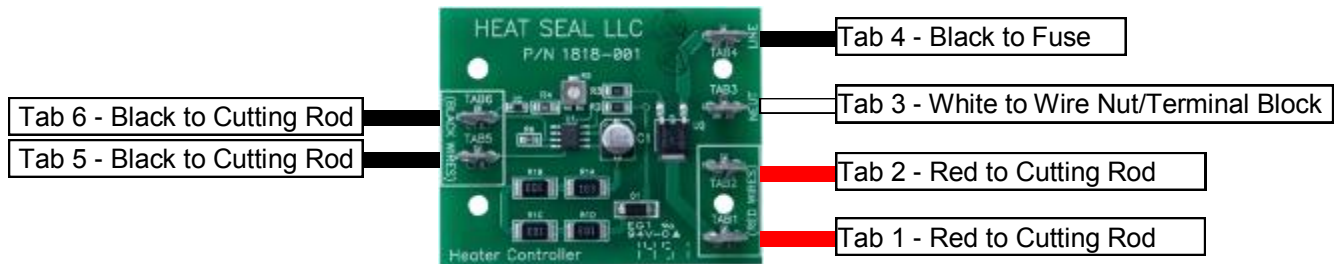
The meter should read:

43.25" rod	65 - 75 ohms
41" rod	85 - 95 ohms

If the reading is out of this range, cutting rod is bad.

3) Check the Circuit Board

- **Neon Circuit Tester:** With the power **OFF**, disconnect the red wire from **Circuit Board Terminal 1** and secure it out of the way without touching any metal. With the power **ON**, test across **Circuit Board Terminals 1 and 2**. If tester does not light, circuit board is bad.
- **Multimeter:** With all wires connected as shown below and the power **ON**, test for 100-120 volts across **Circuit Board Terminals 1 and 2**. If there is no or low voltage, circuit board is bad.



Is recommended Cutting Rod and Circuit Board be replaced as a set.

SEAL PLATE DRAWER TOO HOT OR NOT HEATING

1) Check Wiring and Terminal Block Connections for Shorts or Damage

- **Visual Test:** With the power **OFF**, reconnect or repair/replace any melted or exposed wiring.

2) Test Heat Plate Elements

- **Visual Test:** With power **OFF**, inspect Elements for any cracks or broken connections. Replace if found.
- **Multimeter:** With power **OFF**, remove element connections. Using the meter, measure the resistance of each element by connecting the leads of the meter to the element terminals. The meter should read between **20 - 26 ohms**. If the reading is out of this range, element is bad. If reading is within range, replace Thermostat.



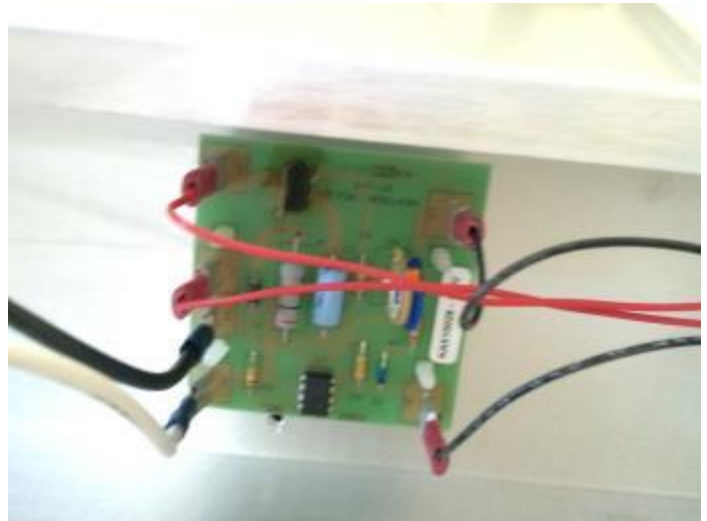
THIS UNIT SHOULD NOT BE OPERATED IF CUTTING ROD TEMPERATURE EXCEEDS 275° F OR SEAL PLATE TEMPERATURE CAN NOT BE CONTROLLED BY TEMPERATURE DIAL. IF SMOKE OR FUMES ARE DETECTED, DO NOT USE TO AVOID DAMAGE TO YOUR EQUIPMENT OR PERSONAL INJURY

Replacing Circuit Board

*****UNPLUG POWER BEFORE BEGINNING*****

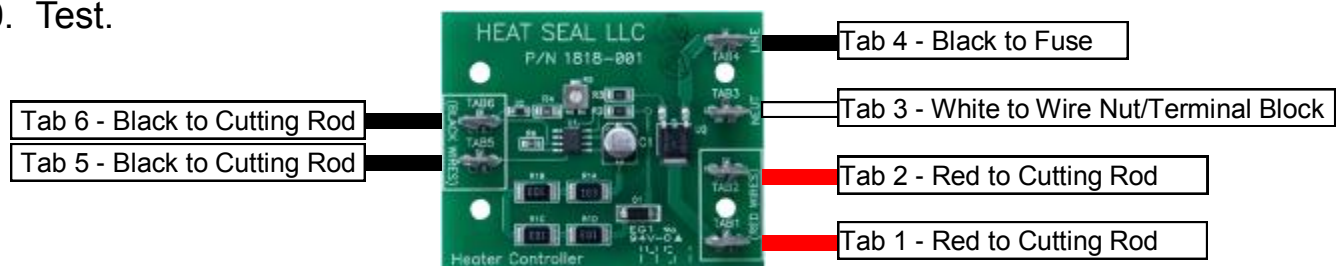


Pic # 1
Remove Screws



*****UNPLUG POWER BEFORE BEGINNING*****

1. Unscrew 4 screws on front of unit to release power box (Pic #1).
2. Unscrew power box cover. Take picture or note position of colored wires.
3. Remove circuit board by squeezing plastic pins and slowly rocking circuit board out of box.
4. Pull wires off circuit board.
5. Reconnect wires in same position as original to new circuit board.
6. Push circuit board back onto plastic pins ensuring they click locked.
7. Rescrew box cover.
8. Rescrew box to console.
9. Plug in Console to power outlet.
10. Test.



Replacing Thermostat

UNPLUG THE UNIT AND LET COOL DOWN BEFORE PROCEEDING

Use caution to not overtighten screws or strip screw threads when removing/reinstalling screws

1. After unplugging and letting unit cool, slide the heat tray drawer out.
2. Remove the underside heat drawer cover by removing 10 small phillips screws around the bottom cover to access the thermostat and wiring. Once off, the thermostat will be the small silver metal box in the corner behind the outside heat dial (Pic #1). (* Tip: take a picture of the wiring as a reference for reinstalling)
3. Follow the metal thermostat coil wire to the center of the heat plate and remove the thermostat bulb by removing the 3 phillips screw clips (Pic #2).



Pic #1



Pic #2

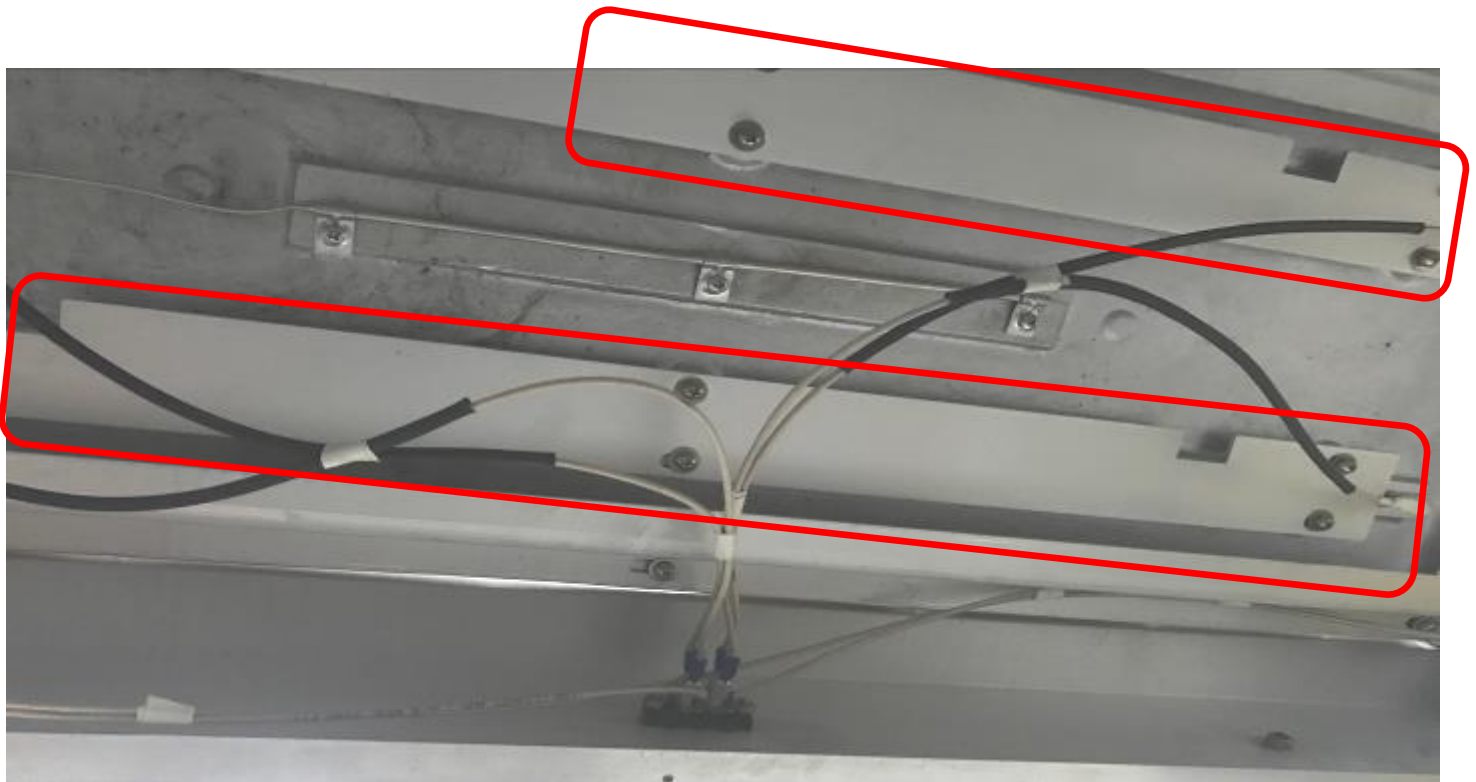
4. Remove the thermostat by removing the temperature dial on the front of the drawer and unscrewing the two screws on the front of the drawer.
5. Note wire color and wire terminal location then remove the wiring from the thermostat by loosening the two wire terminal screws and set old thermostat aside.
6. Re-connect wiring to new thermostat terminals.
7. Insert new thermostat into dial location on drawer front and re-install two screws on the front of the drawer.
8. Gently extend and straighten thermostat bulb and coil wire to center of heat plate and re-install 3 bulb retainer clips. *Use caution to not kink bulb coil wire, touch element terminal blades, or overtighten bulb retainer clips or strip screw threads. *Retainer clip screws should not protrude from top of heat plate.
9. Re-install bottom drawer plate.
10. Re-install temperature dial. If needed, gently spread thermostat post to firmly attach dial.
11. Plug unit in and test. Recommended working thermostat temperature range is 230° - 250°. Heat is too high if film develops holes on bottom of sealed bundles.

Replacing Sliding Tray Heat Elements

UNPLUG THE UNIT AND LET COOL DOWN BEFORE PROCEEDING

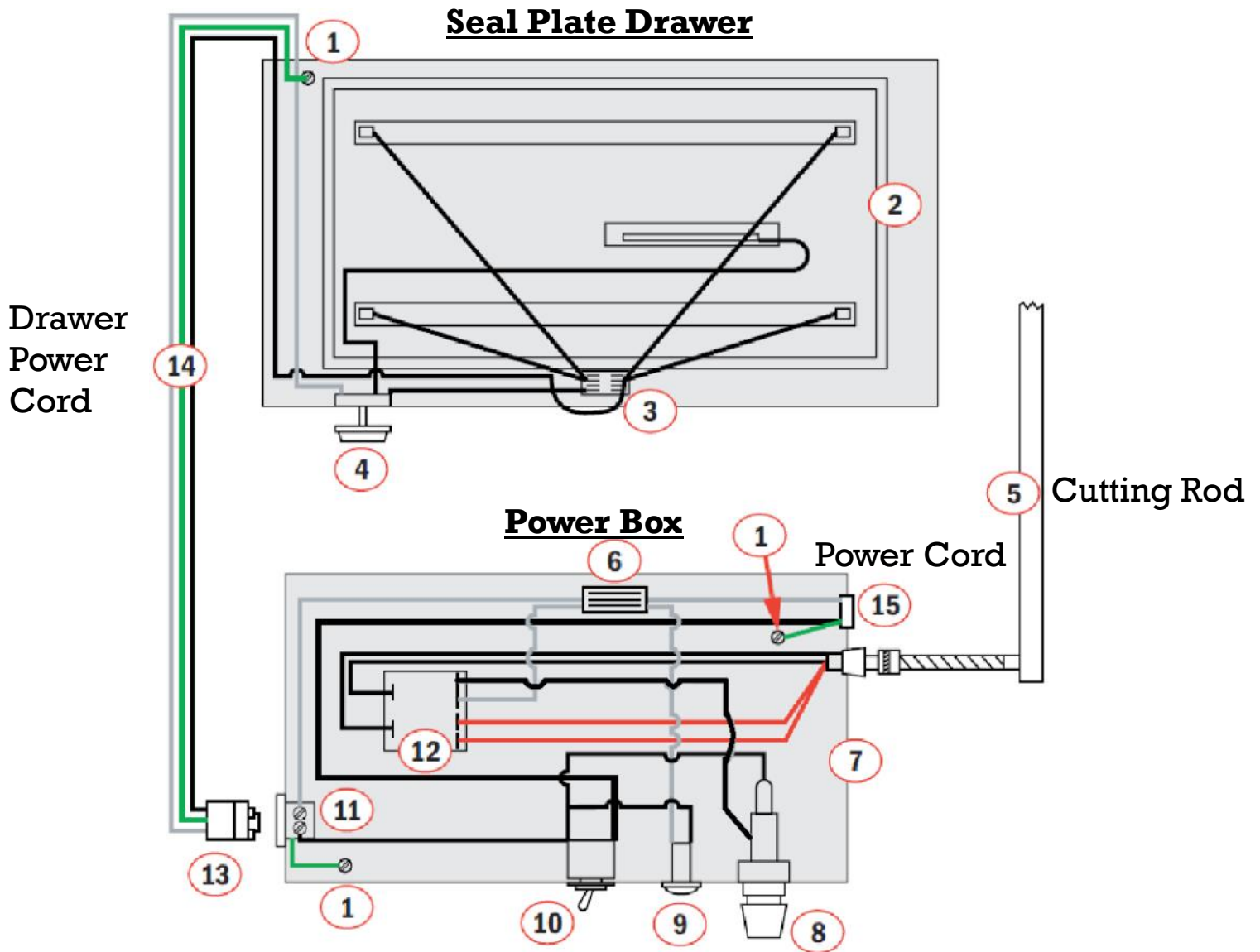
*Use caution to not overtighten screws or strip screw threads when removing/reinstalling screws

1. After unplugging and letting unit cool, slide the heat tray drawer out.
2. Remove the underside heat drawer cover by removing small phillips screws around the bottom cover to access the elements and wiring. There are two heat elements each held in place by an aluminum retainer plate and six phillips head screws (Pic #1). (* Tip: take a picture of the wiring as a reference for reinstalling)
3. Remove screws from first retainer plate and remove element. Unplug wires and connect to new heat element. Insert element back into slot and re-install retainer plate. Repeat with second element. ** Ensure terminal wire ends are not touching any metal part of plate or drawer. Wrap ends with high temperature electrical tape if available.
4. Re-install bottom drawer plate.
5. Plug unit in and test. Recommended working thermostat temperature range is 230° - 250°. Heat is too high if film develops holes on bottom of sealed bundles.



Pic #1

Wiring Diagram



- | | |
|--|---|
| <ul style="list-style-type: none"> 1. Ground 2. Hot Plate 3. Terminal Block 4. Thermostat | <ul style="list-style-type: none"> 9. Indicator Light 10. On/Off Switch 11. Receptacle 12. PC Board |
| <ul style="list-style-type: none"> 5. Hot Rod 6. Wire Nut 7. Electrical Control Box 8. Fuse/Fuseholder | <ul style="list-style-type: none"> 13. Plug 14. Power Cord 15. Line |

- | | |
|--------------------|-------------------|
| Wire Colors | |
| | Black Wire |
| | White Wire |
| | Red Wire |
| | To Ground (Green) |

Care and Cleaning

CUTTING ROD

Rod should be cleaned of excess clear film residue once a month or more often as needed to prevent brown crusting of the Cutting Rod. Failure to clean rod will result in premature failure of Cutting Rod. If Cutting Rod is already browned skip to Deep Cleaning section to see if Rod can still be cleaned.

General Cutting Rod Cleaning

- Turn on unit and allow to heat until film cuts easily.
- Pull and tear off 2" - 4" of wrapping film. Wad film into small baseball sized ball.
- ***Use extreme care to avoid skin contact with hot Cutting Rod.**
- Gently rub film ball back and forth across Cutting Rod to remove any film residue. Residue should adhere to film wad or flake off of Rod.
- ***Use extreme care to avoid skin contact with hot Cutting Rod.**
- Turn off or unplug unit and let cool for approximately 4 minutes. After rod and seal plate have fully cooled, blow or brush film debris from unit.



Deep Cleaning Cutting Rod of Burnt Film

***TURN OFF, UNPLUG THE UNIT, AND LET THE MACHINE COOL DOWN BEFORE CLEANING**

- Cover the unit surfaces with paper towels to protect them from over spray and debris.
- Spray and coat the Cutting Rod generously with an FDA approved "Degreaser" product.
- After soaking for a few minutes, lightly scrub the surface of the Cut-off rod with a **non-abrasive Scour Pad** (Scotch-Brite™ or any Teflon™ safe type scouring pad).
- ***Avoid using sand paper, steel wool, or blade edges to clean the Cutting Rod as this may damage the non-stick coating and cause the rod to prematurely burn out.**
- Wipe the surface clean of debris and residue with clean paper towels or cloths.

NON-STICK COVER & SEAL PLATE

***TURN OFF, UNPLUG THE UNIT, AND LET THE MACHINE COOL DOWN BEFORE CLEANING**

- The Non-stick cover is used to create a sanitary, stick free surface to seal bundles with the Seal Plate. It's recommended that the Non-stick cover be cleaned or replaced as needed depending on the level of daily wear and tear. The Non-stick cover should be changed if the surface is overly soiled, or holes, punctures, excessive wear, or damage are present.
- Avoid sharp objects being dragged across the cover. Rings, watches, and jewelry can tear or cause unnecessary wear if repetitively run across the cover.
- The metal hot plate below the non-stick cover can be cleaned, as needed, with a mild spray degreaser applied to a soft rag or paper towel and then wiped on the plate while cold.

ALUMINUM/STAINLESS STEEL FRAME

***TURN OFF, UNPLUG THE UNIT, AND LET THE MACHINE COOL DOWN BEFORE CLEANING**

- The machine can be completely wiped down using mild cleaning detergent and soft rags or paper towels. Do not hose down or submerge the unit.

Replacement Parts

CB1818-001	Circuit Control Board
FH1821-013	Fuse Holder
CR43-014	Hot Rod Cut-Off; 43 1/4 Inches Long (TD-362)
CR41-020	Hot Rod Cut-Off; 41 Inches Long (104-36)
PL1836-004	Pilot Light Assembly
PC1851-005	Power Cord With Cap
TS1872-008	Toggle Switch
B10-003	Thermostat (B-10)
KB2145-004	Thermostat Knob
TC12-005	Teflon® Cover; 12" x 30"
TC10-004	Teflon® Cover; 10" x 30"
TC13-006	Teflon® Cover; 13" x 26"
SP6203-027	Hot Plate Assembly, 12" x 30" (Includes) Plate, Wires, Cover, Elements, and Screws
HE1012-033	Heating Element (set of two), 12" x 30" seal plate
HE1326-077	Heating Element (set of two), 13" x 26" seal plate