

OPERATING AND MAINTENANCE INSTRUCTIONS

TC-720 RECYCLING BALER



READ INSTRUCTIONS THOROUGHLY BEFORE OPERATING



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MADE IN USA

SAFETY INSTRUCTIONS

WARNING: Only Personnel Trained in Operation of the TC-720 Recycling Baler should Operate This Machine.

Thoroughly Read All Safety and Operating Instructions Before Using This Machine. Observe all precautionary safety decals and wear protective eyewear.

General: Do Not Allow Water or Moisture to come into contact with Electrical Motor, Electrical Control Box or Electrical Components.

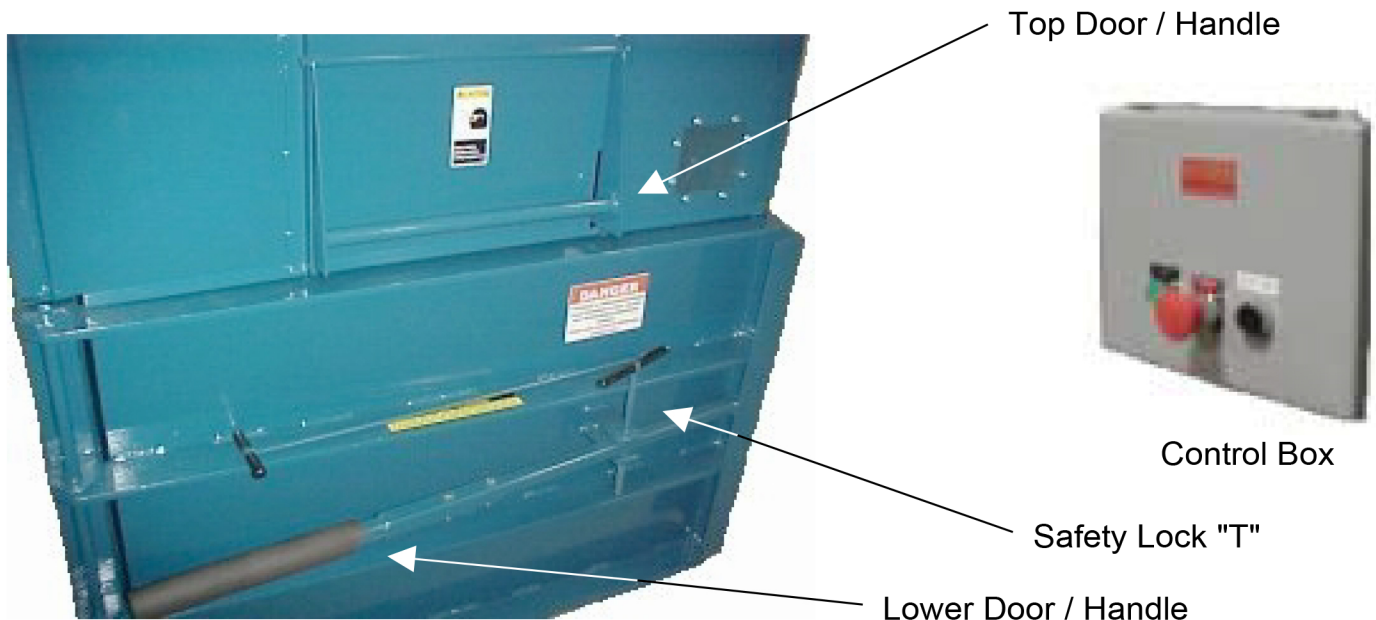
Disconnect Electrical Power Supply before any Maintenance.

Electrical Installation:

The TC-720 Recycling Baler requires 120 volt, 30-amp service.

CAUTION: Motor rotation must be clockwise when looking at fan end of motor. If motor runs counter-clockwise, reverse the wire connections in the plug you installed.

PRINCIPLE OPERATING PARTS



OPERATING INSTRUCTIONS



1. Electrical Control Box Functions:
Start
Emergency Stop
Eject Bale



2. Cycle the unit and open bale chamber. Open lower door. Loop one end of supplied cable on inner tab in bottom as shown.



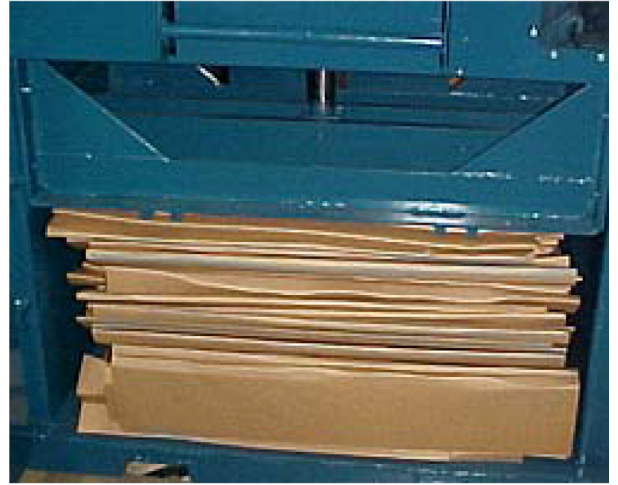
3. Loop other end of cable on hook in back of the unit. Close and latch lower door. Later, this gets looped onto vertical slide to eject bale.



4. Load chamber with cardboard. Note the "Safety Lock T" pin in place with lower unit door closed.



5. Do not load cardboard with loose flaps facing up. Face them down. Cycle the unit several times if necessary to compress contents. Check the completion of bale by looking through Sight Window in upper door. Maximum compression is 2400 psi on gauge.



6. STOP unit by pushing red Emergency Stop button after the ram passes by the sight window making a complete and full compression. Remove Safety Lock T and open lower door.



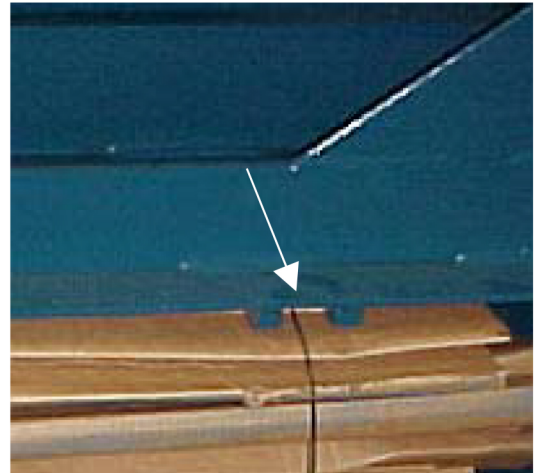
7. Each bale requires two pieces of wire to wrap around and hold bale tight. With one wire thread roughly 3 inches of it through eyelet of supplied Wire Plunger.



8. Locate White Decal marker and plunge wire from the front of the unit through to the back of the unit. (This operation is done twice.) Go to back of unit and remove wire from Plunger eyelet.



9. This is the back of the unit. After removing wire from eyelet go to the front of unit and plunge through the second wire. Return to back of unit and remove the second wire from the wire plunger.



10. From the front of unit guide the plunger rod through to the back of the unit (see arrow.) Thread wire through the plunging rod and pull wire through. (See next photo down at left.)



11. Wire from above needs to thread through this wire loop and be wrapped tightly. Pull hard to snug-up wire and twist wire tightly.



12. A wire-tied bale. Proceed to back of unit to position cable for ejecting bale.



13. See step 3. Take wire from hook and place loop end of Cable on this Lift Hook located in the back center of the unit.



14. Press and hold EJECT Bale button. This raises the cable hook in back, pulling on the cable, lifting the bale out.

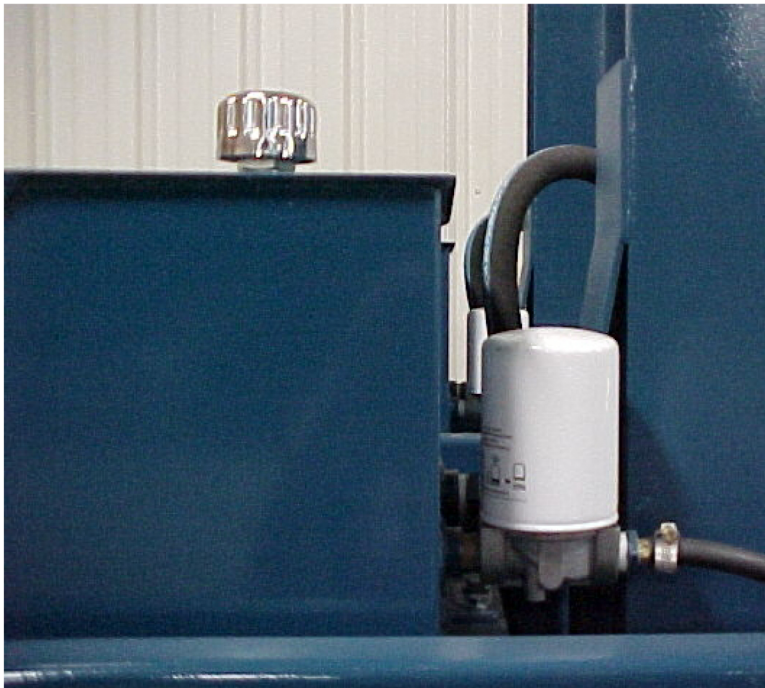


15. Bale being Ejected by the cable looped on lifting hook. When bale is removed place a piece of cardboard in bottom of crushing chamber – prepping for next bale to be made.



16. Completed bale.

MAINTENANCE INSTRUCTIONS

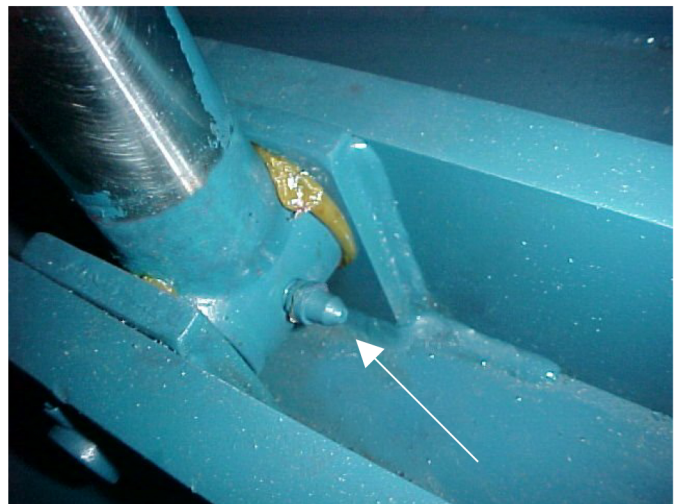
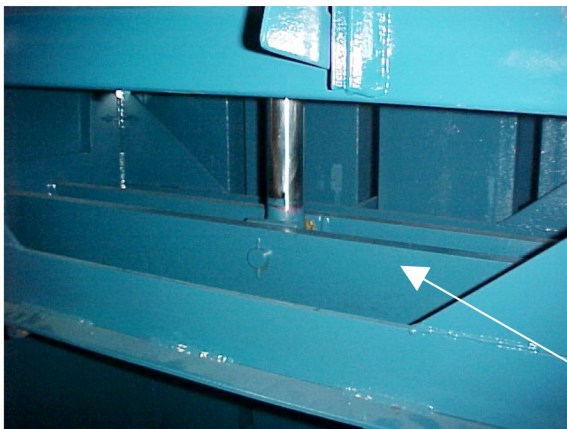


Do not operate unit without hydraulic oil.

Drain hydraulic fluid every six months when replacing oil filter. Fill hydraulic reservoir 3 inches from top of tank with a universal automatic hydraulic fluid.

The photo at left shows both the oil filter and the oil filler cap located on top of the unit.

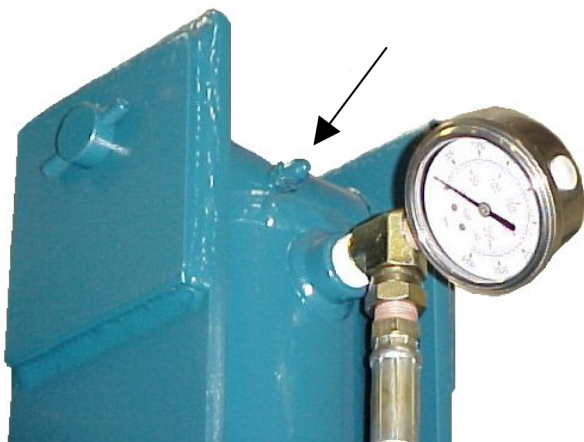
Fluid required is approx. 10 gallons



There are two Grease Fittings. One is on the upper side of the Ram (as shown in the above two photo's) and one at the very top of the unit.

Use chassis grease and lubricate no less than every 6 months.

Grease must 'flow out' as shown.

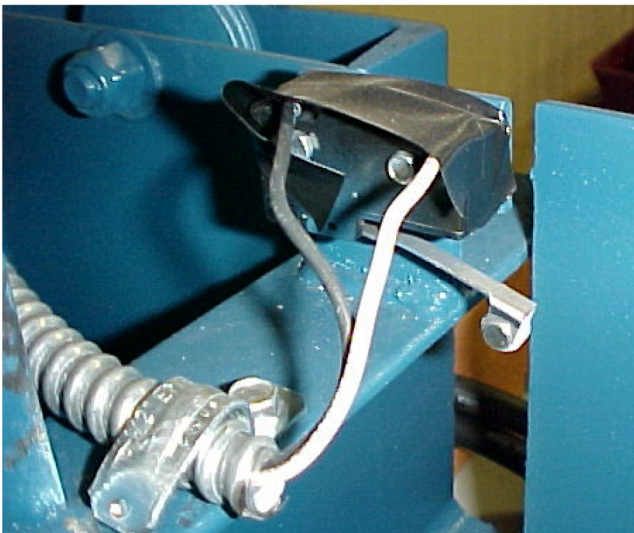


Use dry spray graphite on Vertical Plastic Runners (left photo) on each side of upper door.



Also use the graphite on each side wall in the bale chamber. Note the "tracking" from the ram slides in the photo at below right; taken from an older unit.

Spray dry graphite on the sides (four places) in the 'tracking area' from just below the ram in a raised position to 20 inches high from the base of the crushing chamber.



Two Electronic Switches may need periodic adjustment if unit does not operate properly.

The photo above shows the switch located at the top of the unit and the photo at right shows the switch behind the upper door in a fully open position.

Gently bending the extended arm of the switch will allow for any needed operational adjustment.



OUTPUT

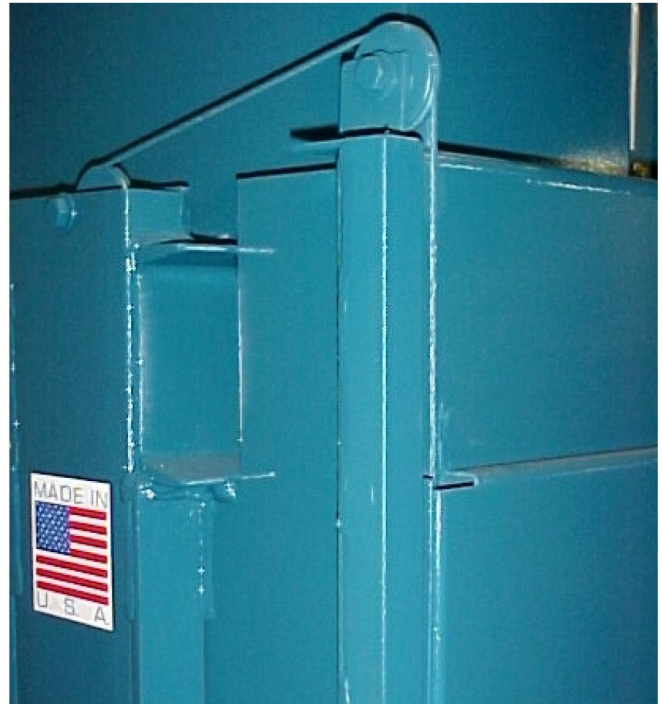
PRODUCT	BALE POUNDS
Beverage Cans	N/A
P.E.T. Bottle	N/A
HDPE	N/A
Corrugated Cardboard	250 Lbs.

POWER SUPPLY & HYDRAULICS

Platen Force	31,500 Lbs.
Cylinder Bore & Stroke:	4" x 24"
Platen Per Square Inch:	31 Lbs.
Cycle Time:	Varies up to 30 sec.
System Pressure:	2,500 PSI
Bale Size	24 x 24 x 42

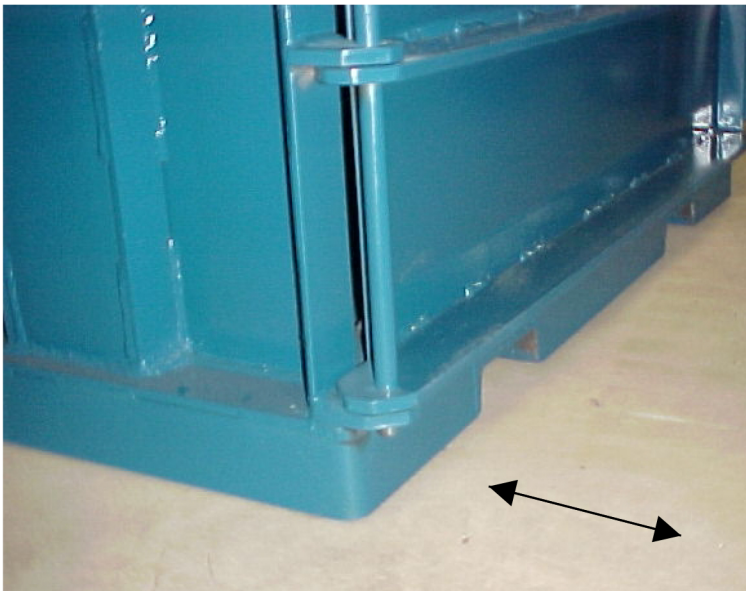
MACHINE DIMENSIONS

Length:	4' 8"
Height:	9' 4"
Width:	2' 5"
Weight:	2,000 Lbs. Approx.
Power of Unit: Electric	2 HP 120V/240, 1Ph, 60 Hz



A safe-guard on the TC-720 is the Locking Door feature (see left.)
Pull the handle towards you to open.

The photo (right) displays a weight assisted cable system on the door for easier opening.



Each unit is mounted on steel rollers and is capable of being rolled back and forth.

Prior to moving disconnect the unit from electric power source.

Also shown are built-in pockets for fork lift access.



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