



**TANCO AUTOWRAP
404 MINI BALE WRAPPER
OPERATORS HANDBOOK
WD03-404EH**

MODELS:

- **404 EH – Trailed with load arm and Automatic Control**
- **404 M – Linkage mounted with cut and start, tipping facility and manual control**
- **404 S -- Linkage mounted without cut and start or tipping facility**



Tanco Autowrap 404
Operators manual

GUARANTEE

Subject to hereunder provided, the sellers undertake to correct either by repair or at their election by replacement any defect of material or workmanship which occurs in any of its goods within twelve months after delivery of such goods to first user, with the exception of contractors or commercial users when warranty period is six months.

In respect of Autowraps the warranty period is for 12 months or 8000 bales, whichever occurs first.

In respect of Aerways, tine breakage will be assessed on an individual basis in every case.

The term goods when used in this document means the article or articles described in invoices as sold by the sellers but does not include equipment or proprietary parts or accessories not manufactured by the sellers. The sellers, however, undertake to pass on so far as they legally can to the first user the benefit of any warranty given to the sellers by the suppliers of such equipment, parts or accessories.

This understanding shall not apply to:-

- (a) Any goods that have been sold by the first user.
- (b) Any goods which have been injured by unfair wear and tear, neglect or improper use.
- (c) Any goods the identification marks of which have been altered or removed.
- (d) Any goods that have not received the basic normal maintenance such as tightening of bolts, nuts, tines, hose connections and fittings and normal lubrication with the recommended lubricant.
- (e) The use of any product on tractors exceeding the recommended horsepower.
- (f) Any goods that have been altered or repaired other than on instruction or with the written approval of the seller or to which any part not manufactured or having written approval by the sellers have been fixed.
- (g) Any second-hand goods or parts thereof.

Any allegedly defective part or parts returned to the seller must be sent carriage paid. No claim for repair or replacement will be entertained unless upon discovery of the alleged defect written notification is sent to the Sellers giving, at the same time, the name of the Buyer from whom the goods were purchased and the date of purchase, together with the full details of the alleged defect and the circumstances involved, also the serial number of the machine etc.

The sellers shall be under no liability to their Buyers and first or subsequent users of their goods or to any other person or persons for loss or damage howsoever arising in respect of either personal injuries or for arising out of, or in any other way connected with or arising from the manufacturer's sale, handling, repair, maintenance, replacement or use of its goods or the failure or malfunction of any of its goods.

Representation and/or warranties made by any persons (including Buyers and employees and other representatives of the Seller) which are inconsistent or conflicting with these conditions are not binding upon the sellers unless given in writing and signed by a director of sales.

CLAIMS

If you wish to make a claim under the guarantee:

- 1: Immediately, stop using the machine.
- 2: List the details of the machine, its serial number and the part number of the damaged part.
- 3: Consult with your Tanco dealer (supplier) and have him forward your claim and the damaged item to Tanco.



USER'S MANUAL

MINI WRAP 404

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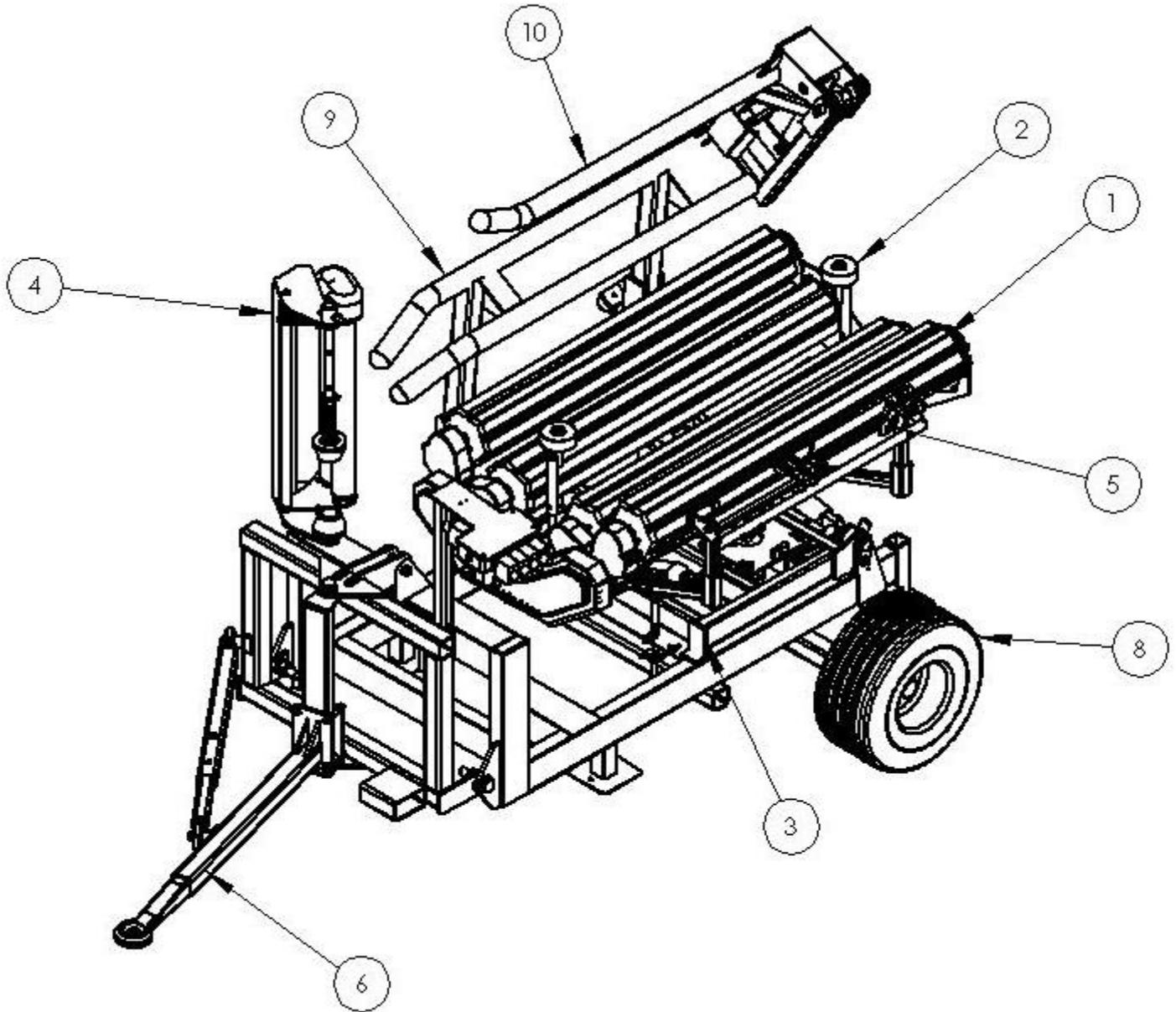


Fig 1.- 404 EH Model

1. Roller
2. End roller
3. Tilt Frame
4. Film Dispenser
5. Cutter
6. Drawbar
7. Jockey wheel
8. Wheel
9. Load arm
10. Squeeze arm



1.0 INTRODUCTION.

TANCO AUTOWRAP Ltd. congratulates you with the choice of MINI WRAP bale wrapping machine. We are certain you will be satisfied with the machine, and that you will have the pleasure of your investment for many years.

MINI WRAP 404 EH is hydraulically driven by the tractors hydraulic system, and is easy to operate with the RDS control box.

The MINI WRAP 404 EH is designed to be a simple and effective bale wrapping machine square bales.

MINI WRAP 404EH is estimated for wrapping bales of grass, hay or straw, it can handle bales from 35cm x 45cm up to 50cm x 50cm. The bales must have a weight of at least 35kg.

This manual is meant to explain how MINI WRAP is prepared, mounted, used and how it works, and shall together with the spare part's list be a reference for maintenance and troubleshooting. So take good care of the books, they are a part of the machine.

Read carefully through this manual, and specially chapter 2.0, safety instructions, before starting the machine, and follow the instructions thoroughly. If problems should occur, please contact your MINIWRAP dealer. Ask your dealer for advice before you make the problem worse than it is. See also chapter 13.0, Warranty terms.

Technical Specifications	MINI WRAP 404 EH
Height in working position	930 mm
Width	1640 mm
Length	3200 mm
Weight	625 kg
Turntable speed, recommended	22 rev, per minute
Turntable speed, max.	27 rev, per minute
Bale size, max.	500 x 500 x 1150 mm
Bale weight, min	35kg
Pre-stretcher	500 mm
Hydraulic connection	I single spool outlet + free return
Oil pressure / amount, mm.	100 bar / 15 liter per minute
Oil amount, max.	30 liter per minute
Counter pressure, max.	10 bar

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2.0 SAFETY PRECAUTIONS.

TANCO AUTOWRAP Ltd does not take the responsibility for damages that may occur on machine, persons or other equipment, because of the machine NOT being used as described in this manual, or because of the safety precautions NOT being followed.

2.1 SAFETY EQUIPMENT.

Before using the machine, make sure that all guards and covers are securely fitted. The machine must not be operated if a function does not work as described later in this manual. (See chapter 2.5).

2.2 BECOME FAMILIAR WITH THE OPERATIONS OF THE MACHINE.

If you are unsure how to operate the machine properly, either use of or maintenance to your Mini Wrap, please contact your Mini Wrap dealer.

2.3 ADJUSTMENTS' / MAINTENANCE.

Turn off the tractor and discharge the oil pressure before performing any adjustment or maintenance on the machine. Remember that a well-maintained machine is a safe machine.

2.4 IMPORTANT!

**ALWAYS MAKE SURE THAT NOBODY IS INSIDE
THE MACHINE'S WORKING AREA WHEN IT'S IN USE.
SAFETY DISTANCE IS 5 METRES**

**THE MACHINE MUST NEVER BE OPERATED BY PERSONS WHOM DOES NOT KNOW
ENOUGH ABOUT HOW TO SAFELY OPERATE THE MACHINE, OR BY PERSONS
UNDER 16 YEARS OF AGE.**

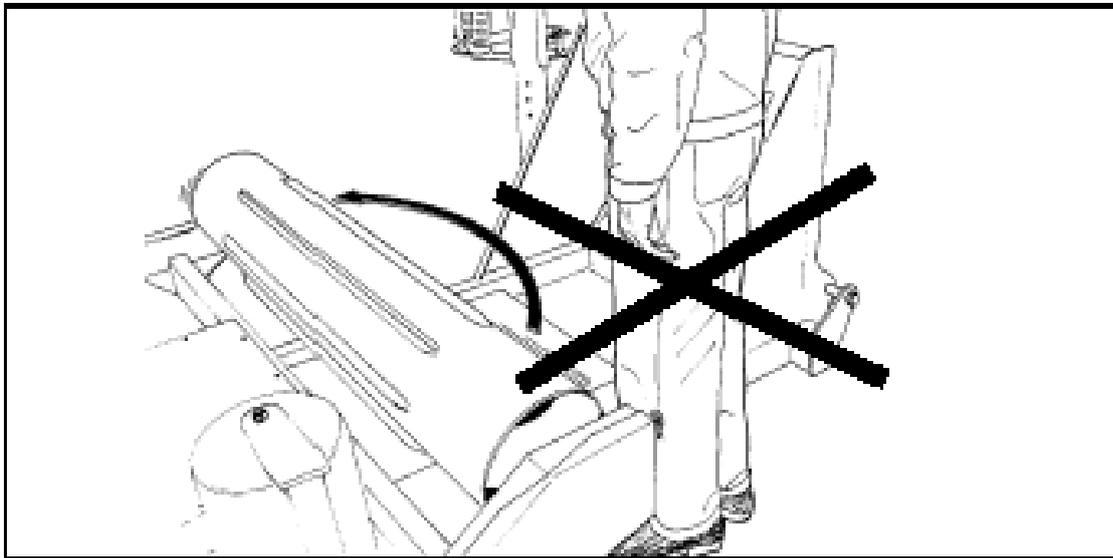


Fig. 2-1

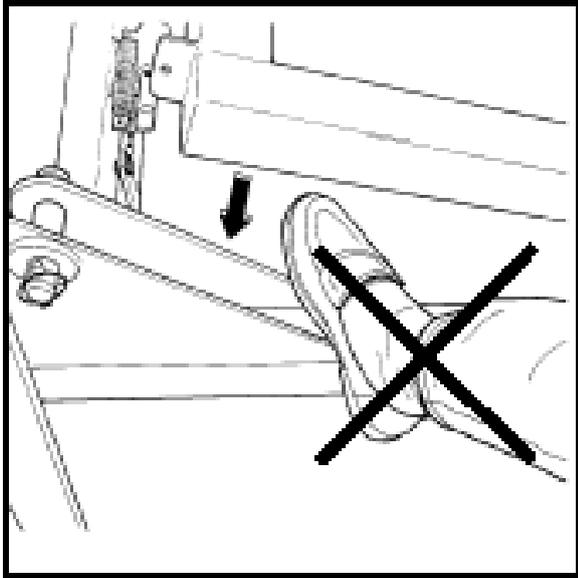


Fig. 2-2

2.5 DANGEROUS AREAS.

TANCO AUTOWRAP Ltd has given the safety to the operator the highest priority, but it is still impossible to secure oneself of every danger area on the machine. Therefore we will now go through some of the dangers that can occur when using the Mini Wrap bale wrapper.

1. Be especially aware of the rotating turntable. There is a danger of being squeezed between the turntable and the main frame.
2. When the wrapping of a bale is complete and tipped off the machine, the turntable has to be tipped back before wrapping next bale. When the middle frame with turntable is lowered, there is a squeeze danger between the middle frame and the main frame on both sides and in the back end of the machine. Keep therefore fingers and feet in safe distance. (Fig. 2-2).
3. When tipping the turntable, the bale will roll free off the machine. Staying behind the machine can cause danger for "overrunning" by the bale when it rolls off. Make therefore sure that nobody is behind the machine when unloading.

2.6 WHILE WRAPPING.

Please keep your hands on the controller during the wrapping process. The machine is to stand horizontally while the wrapping takes place. Make sure that nobody comes into the working area of the machine,

2.7 TRANSPORTING.

When transported on a public road there are certain safety measures that must be taken:

1. Make sure that the lift arm is in a raised position.
2. Make sure that the locking bolts on lift arm and the fall damper are mounted.
3. Make sure that the machine does not cover the tractors' lights. If necessary, mount extra lights.

3.0 GENERAL INFORMATION ON BALE WRAPPING.

3.1 THE PRINCIPLE.

The advantages of round bale ensilage are many, and include fewer feed units, a flexible harvesting system, large capacity and the possibility of selling feed units.

In principle, the same fermentation processes occur whether the fodder is placed in a silo or pressed into bales and packed in plastic, i.e. lactic acid fermentation in anaerobic conditions. The oxygen in the bale must be exhausted before fermentation begins.

The grass should be dried to approximately 30-40% solid content. The solid content can be determined by twisting the grass by hand. If drops of liquid are forced out of the grass, the solid content is less than 25%. Low solid content, (wet grass), can lead to increased butyric acid fermentation if preservatives are not added to the grass. If the solid content is too high, (over 50%), normal fermentation will not take place and there will be enough oxygen in the bale to produce mould fungus.

3.2 THE BALER.

It is vital that the baler produces compact, well-formed bales, as misshapen bales can be difficult to wrap. Baling will also often take longer, thereby increasing the amount of plastic used.

3.3 TYPES OF PLASTIC.

A good type of plastic with good adhesive properties, and which is recommended for bale wrapping, must be used. The thickness of the plastic foil should be at least 25 micron. (25/1,000 mm). In order that the plastic tightens sufficiently around the bale, it is stretched before being wrapped, so it is somewhat thinner when it is put on the bale. With short-term storage, (up to eight weeks), it is recommended that bales have a minimum of four layers of plastic at the thinnest points, with at least 52-53% overlap.

For long-term storage, or when the grass is wet when it is wrapped, the bale should have 90-100 µ plastic, (6 layers), and the same amount of overlap. If thinner plastic is used, more layers should be applied. If it is very hot the plastic will be stretched further, and more layers should be applied. It is better to have slightly too much than too little plastic on the bale.

From experience, light plastic produces slightly lower temperatures within the bale, and tends to improve feed quality.

3.4 STORAGE LOCATION.

Care should be taken in finding a suitable location for the storage of bales. The storage location should preferably be prepared before the bales are laid out. An elevation close to well-drained roads is recommended. If the wrapped bales are simply placed on stubble there is a danger of the plastic being pierced. A tarpaulin or a thin layer of sand should therefore be laid where the bales are to be stored over the winter.

Bales should be stored in the shade as far as possible. This reduces the danger of air leakage in the bales. A bale which is stored in sunlight and which therefore undergoes greater swings in temperature "pumps in" a great deal of air in comparison to a bale which is stored in the shade. According to "Teknik for Lantbruket" [Technology for Agriculture] in Sweden, a bale which is stored in the shade has only 40% of the air leakage of a bale which is stored in sunlight.

3.5 STACKING / PROTECTION.

If bales are hard and well formed, they can be stacked vertically, but loose and misshapen bales with low solid content should not be stacked higher than one layer, as this could easily cause deformity and the danger of runoff will be increased.

Bales can also be stored on their sides. The layer of plastic is thicker here, providing greater protection against piercing.

Bales should be covered with a tarpaulin or a fine-mesh net to protect against birds and small rodents. If the plastic is pierced, it must be sealed with weatherproof, hard-wearing tape,



preferably under the outermost layer of plastic. Ensure that the hole is adequately sealed.

3.6 The best wrapping results are obtained by...

1. ...Harvesting the grass early.
2. ...Drying it out to 30-40% solid content. If there is a danger of rain, bale and wrap the grass anyway.
3. ...Taking care not to mix any earth in with the grass.
4. ...Using a baler which produces even, firm bales.
5. ...Wrapping the bales soon after baling, never later than two hours afterwards.
6. ...Using a good type of plastic and six layers of plastic. This removes the need to use preservatives.
7. ...Storing bales in the shade to reduce the danger of air leakage.



4.0 SETTING UP / MOUNTING OF THE MACHINE.

4.1 Mounting the Drawbar.

The Drawbar should be positioned such that the machine is parallel with the ground when it is connected to the tractor.

If it is a 404 M or S machine, mount the 3 point linkage pins (attached to the chassis)

4.2 Mount the loading arm and adjust the width on the lift arm in accordance with the bales diameter. Adjust the loading arms end stopper so that the bale will be placed in the middle of the table when loading.

4.3 Mount the Film Dispenser.

Adjust the height on the Dispenser so that the middle of the plastic meets with the bale's center.

4.4 Mount the safety arm to the Chassis (404 M&S only).

4.5 Lubricate the machine.

4.6 Check that all the bolts and nuts are tightened, specially the wheel bolts.

4.7 Remove the safety bolts used under transportation from the loading arm, insert the safety bolts into the parking holes.

4.8 Connect the machine to the tractors rear trailer hitch.

4.9 HYDRAULIC CONNECTION.

The hydraulic hoses between machine and tractor are equipped with 1/2' ISO male quick-couplers. Discharge the oil pressure before you connect the oil hoses. Use the tractors' hydraulic lever. Connect the hoses so that the turntable rotates counterclockwise.

To make sure that the bale wrapper works properly, the tractors' oil pressure has to be at least 100 bar. If you are unsure of what oil pressure the tractor gives, or what oil pressure the bale wrapper receives, please contact your machinery dealer.

NB! When connected to a tractor with closed center (e.g. JOHN DEERE) a special, closed centers, plug must be fitted to the valve to prevent the oil over heating (consult your dealer and parts book).

4.10 CHECK LIST.

Before using the machine it is recommended to follow this check list:

1. Make it a habit to discharge the oil-pressure before connection or disconnection of the hydraulic hoses. (Use the tractors hydraulic control lever).
2. Hose with BLUE CAP = RETURN OIL.
3. Hose with RED CAP = PRESSURE.
4. Tie up loose hoses so that no squeeze damages occur.
5. Start the tractor and try out the functions. (It shall rotate counterclockwise).
6. Check all connections, hoses and couplings. If there is any oil-leakage, it should be rectified immediately.

Your MINI WRAP bale wrapper has been tested in practical operation in approx. 2 hours at the factory.

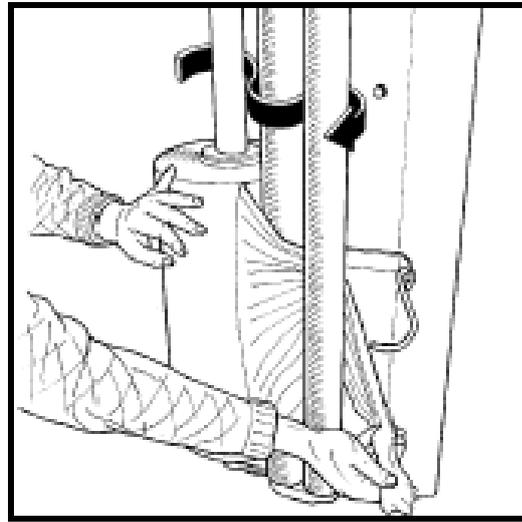
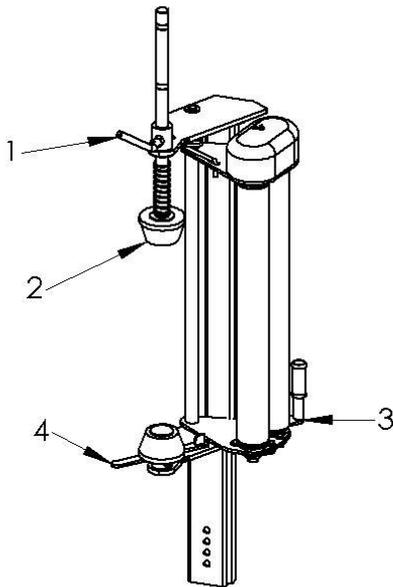
5.0 MOUNTING OF THE PLASTIC FILM

Fig. 5-2

- 5.1 When loading a plastic roll, first push back the Stretch rollers (3) until held in position by locking catch (4). Then loosen locking bolt (1) and raise top cone (2) and lock in raised position.
- 5.2 Place a roll of film on to the Dispenser. Drop the top cone down and apply pressure to the top of the shaft to compress the spring and allow the locking bolt to close one of the grooves in the shaft.
- 5.3 Pull the film between the rollers on the pre-stretcher in the direction of the arrow. (See fig. 5-2). (See also the sticker on the dispenser).
- 5.4 Release the locking catch and allow the rollers to lie against the roll of film
- 5.4 Pull out the film and tie it to the bale.

5.5 HEIGHT ADJUSTMENT OF DISPENSER/ PLASTIC FILM.

It is important that the plastic film is applied to the center of the bale, and therefore it can be necessary to adjust the height of the Dispenser. The Dispenser may be adjusted to different heights. Disconnect the locking bolt, and adjust the dispenser so that the plastic hits in the middle of the bale. Replace the locking bolt and the splint.

The Tanco film Dispenser supplied with all 404 machine is capable of using several different sizes of film rolls. 500 mm, 360 mm and 250 mm plastic film can all be used but care must be taken that the correct level of overlap is used as you need turntable roller speeds for different films. (see also 6.4 Overlap)



6.0 ADJUSTMENT / OPERATING.

6.1 SUPPORT ROLLERS.

Place the bale you want to wrap on top of the rollers. Move the support rollers as tight to the bale as possible. Make sure that the bale is in center of the rollers.

6.2 HEIGHT ADJUSTMENT OF DISPENSER.

The Dispenser can be placed in different positions. Disconnect the locking bolt, and adjust the pre-stretcher so that the plastic hits in the middle of the bale. Replace the locking bolt and the splint.

6.3 Operating Lykketronic control box

See chapter 8

6.4 REVOLUTION SPEED OF TURNTABLE.

Start the machine by operating the lever inside the tractor. The speed of the turntable is adjusted by the speed of the tractor engine or how much you move the lever. Adjust this until the turntable speed is approx. 22 revolutions per minute (Just below 3 seconds per revolution).

The machine can also be equipped with a control valve that makes it easier to adjust the speed. Then you can have full opening of the lever and adjust the oil-flow to the machine, and by that adjust the speed of the turntable. This valve is extra equipment.

6.5 OVERLAP.

To control the overlap, stop the machine after a few turns. Use a marker to mark a line on the middle of the film wrapped on the bale. By the next turn this line should just be covered. It is now possible to use either the 500mm or the 250mm film on the MINI WRAP 404EH. The machine is prepared for use with the 500mm film, when using 250mm film the chains from the turntables main shaft must be lengthened with the enclosed chain pieces and moved to the largest chain wheels. For 360 mm film special sprockets must be ordered. Contact you local dealer for details.

7.0 OPERATION INSTRUCTION.

We shall now go through a complete wrapping process, from loading to storage place, and explain the practical use of the MINI WRAP 404.

7.1 LOADING.

On an EH machine you load a bale with the loading arm. Place the bale on top of the rollers, as close to the middle as possible. Move both support rollers as close to the bale as possible.

7.2 HEIGHT ADJUSTMENT OF DISPENSER.

The height of the pre-stretcher has to be adjusted so that the plastic film is always hitting the middle of the bale. (See more about this in chapter 5.5 and 6.2).

7.3 TIPS ON WRAPPING SQUARE BALES.

The MINI WRAP 404EH is assembled for delivery with the rollers in the outer position. If the bales to be wrapped are in some degree larger or smaller than mean measure then the rollers must be moved. (Optimally the film should meet the bale being wrapped in the middle.) The chain cover must be removed, and the Rocking roller assembly moved either in or out. The chain will be adjusted so ensure the chain-tension is tightened before finally the bolts are replaced. Remember that a hard and well packed bale will give the best result when wrapping.

7.4 START.

Remember that the plastic film end must be tied to the bale. This is normally only necessary on the first bale. Operate the hydraulic lever carefully to make a gently start. To quick start can rip off the plastic film, and then it has to be tied again.

7.5 OVERLAP.

Control that the overlap is correct. If not, see chapter 6.4.

7.6 HOW MANY LAYERS OF PLASTIC FILM?

When the bale is completely covered with film, read the counter that displays the number of revolutions done by the turntable. If you don't have a counter, you have to count the revolutions yourself, (or you can measure the time it takes). This number has to be multiplied by 2 or 3, depending on how many layers of film you want to have.

- * 4 layers .multiply by 2.
- * 6 layers .multiply by 3.

7.7 STOP / UNLOADING.

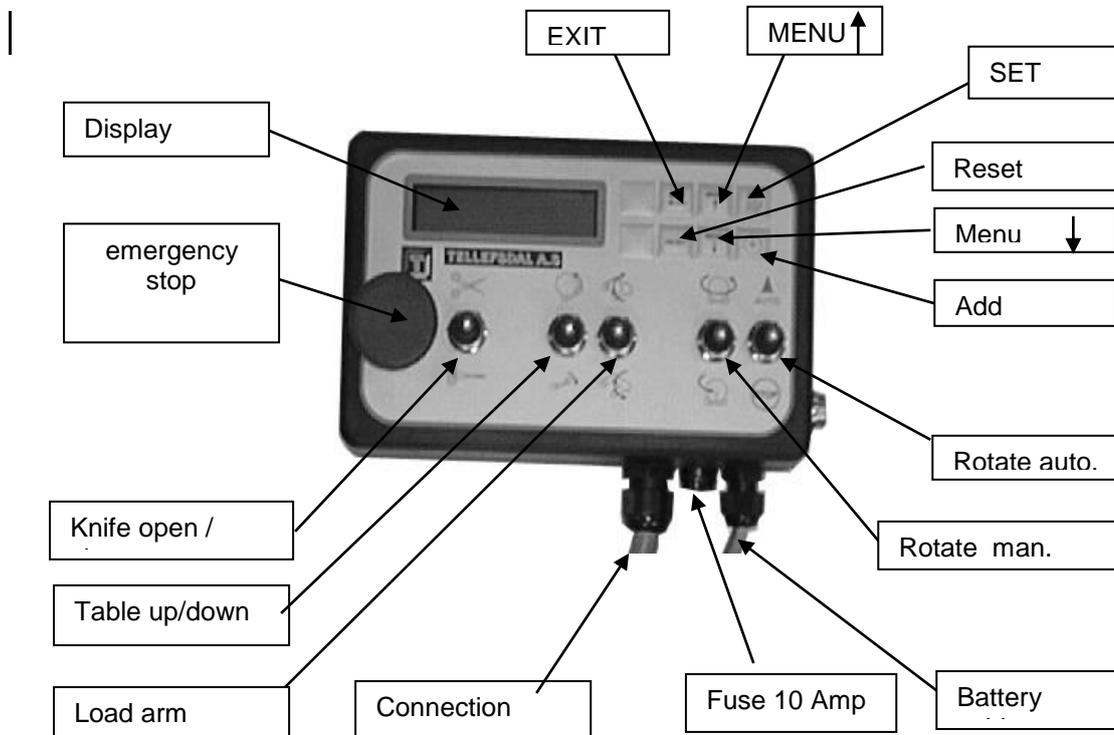
When the wrapping is complete, ensure the turntable is in the tip position (i.e at right angle to the chassis). Then lift the turntable until the bale falls off. The film can stick to the bale, because this is preferred cut off when loading the next bale.

7.8 NEW BALE.

Lower the turntable down again. Then place a new bale on top of the rollers, and attach the film to the bale (404 S only), and start wrapping. Now the plastic film from the last should be cut off. Fasten the film end, if necessary, with some weatherproof tape.

8.0 404EH CONTROL BOX

8.1-1 Functions



Auto-wrap Controlbox 2000 404EH

Notice:

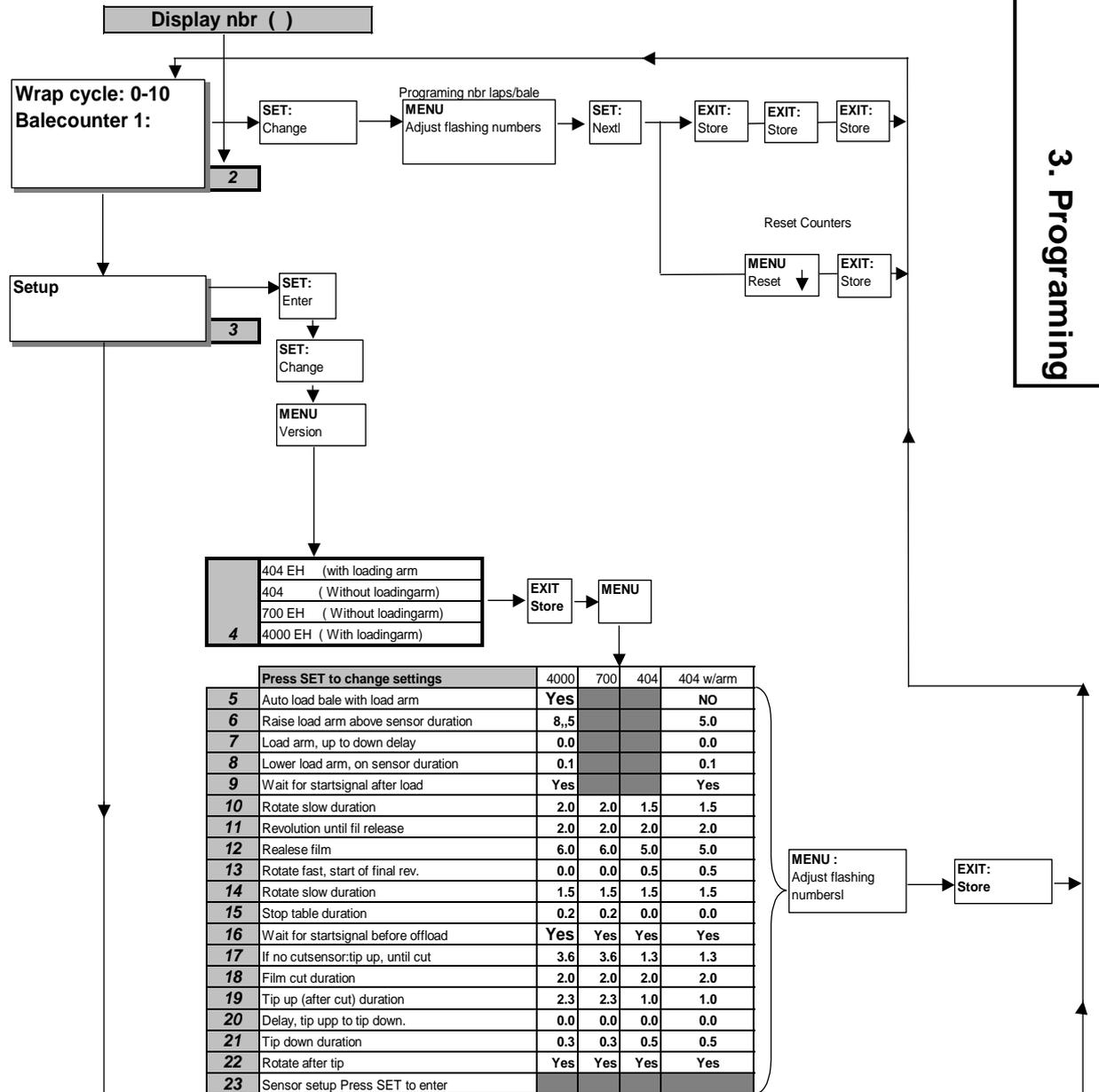
By pressing "EXIT" more than 3 sek. You allways will be braught back to "Wrap-cycle" (Wrapp modus)

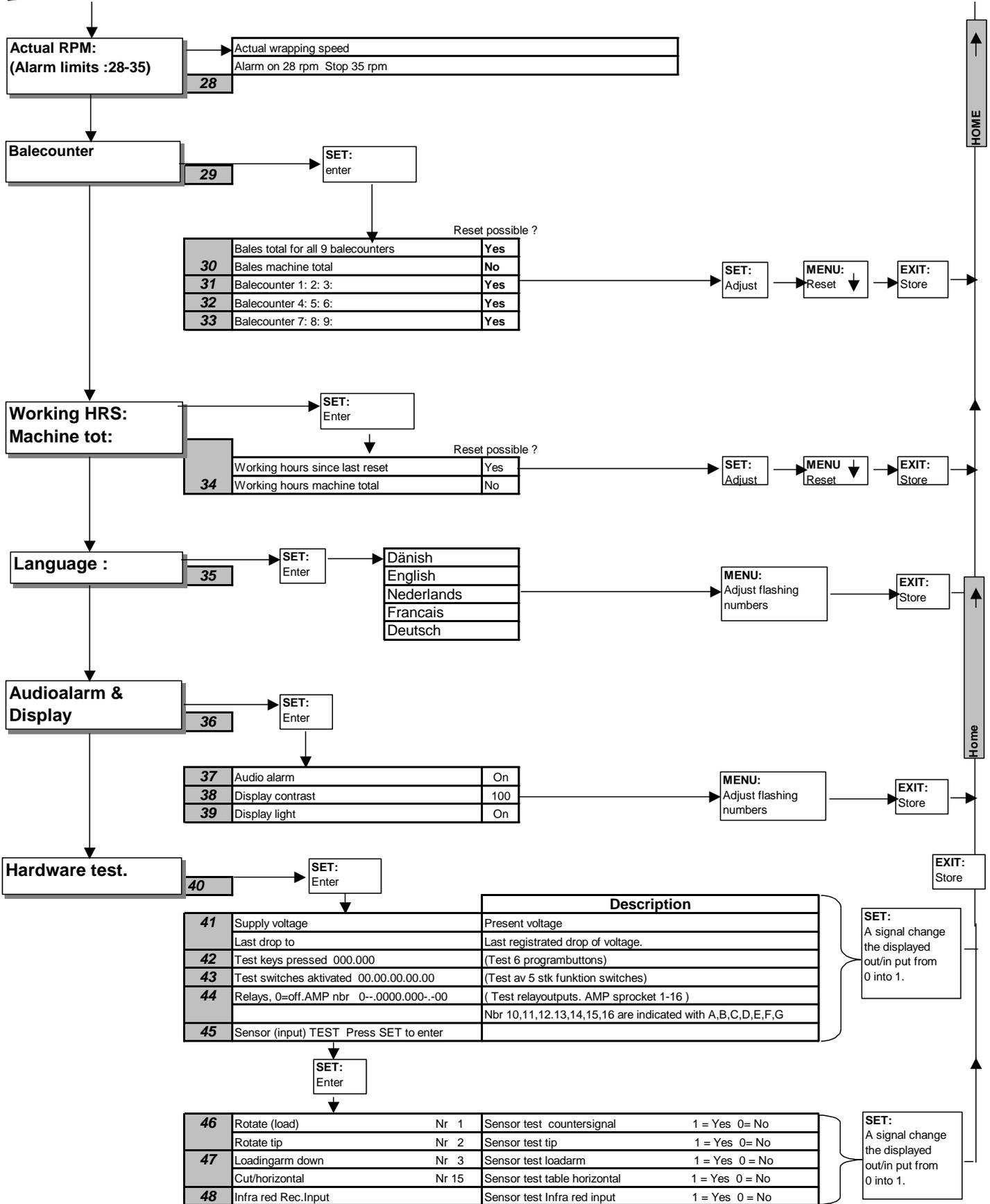
By pressing "MENU" more than 3 sek, the display contrast will be adjusted. "MENY" up = Stronger MENY down = weaker

Manual operation

Behind the rubberplug on the the rear side of the control box it is placed a switch for manual/automatic operation.

Please notice that the display does'nt work in manual modus.



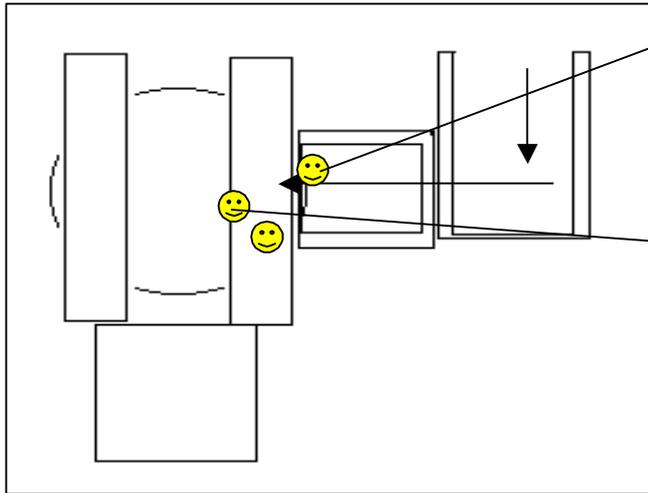


4. Wrappingcycle

a. Loading

Loadarm rais
and return back
on sensor

Table is hold
in
loadposition



Activated sensors

Loadarm down

Table in loadposition

b. Wrapping

Start:

Starts up on 1/2
speed and runs
further in 1/1 speed

Wrapping

Wrap with adjusted
speed untill setted
nbr of revolutions.

Stop.

Table goes to stop
from 1/1 to 1/2
speed an stops
on sensor.

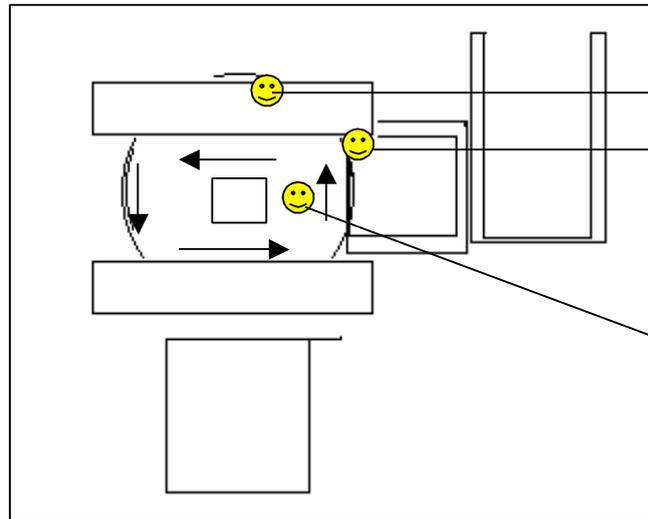


Table down

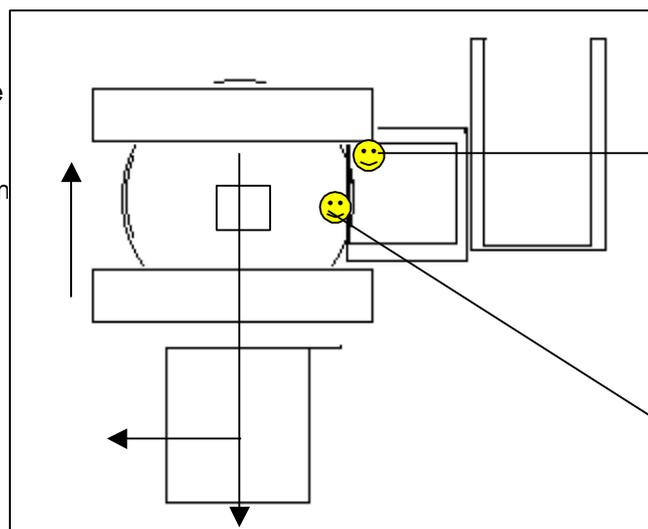
Loadarm down

Unload position

c. Unloading

Table starts raising
Table stops and the
cutter is closing
Table goes further
to the top and return
to sensor frame.

Table turns into
loading position



Loadarm down

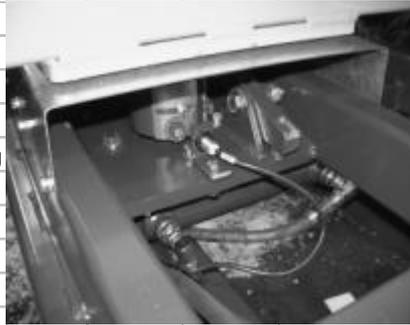
Loadposition

2. Sensors Auto wrap 404EH



Magnetic gives placed on the center axle.

Position loading.
Signals to counter during wrapping



Un load sensor
(below)



Magnet placed on loadarm

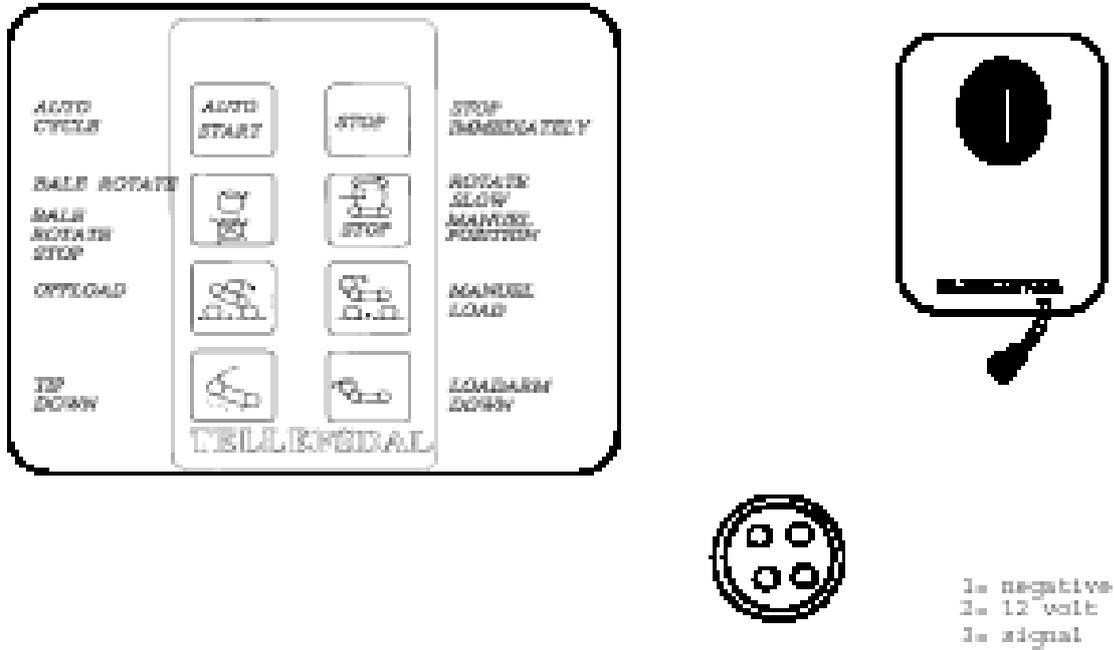
Sensor loadarm placed on frame



Lastearm down - sensor

8.3 THE INFRA-RED RECEIVER / TRANSMITTER SET.

The receiver is connected directly to the machine junction box. The transition radius is stated at 30 meter. The actual radius may be as high as 60 meters depending on the battery condition. Sun filtered windscreens on the tractor will reduce the transmission distance further.





9.0 PERIODIC MAINTENANCE.

9.1 BEARINGS.

All ball-bearings are packed with grease, and do not need any more maintenance.

9.2 DISPENSER.

If the machine is in daily use, the guiding sleeves at the pre-stretcher should be oiled once a week or when needed. Sprockets and bearings on the pre-stretcher should also be oiled when needed.

9.3 CHAINS.

Oil the chains at regular intervals. Take them off once a year for cleaning and oiling. Soak the chains in oil for 2-3 days and afterwards hang up for 10-12 hours to drain.

After some use, the chain from the motor to the turntable has to be adjusted. Unlock the nuts on the motor bracket, and tighten up the adjustment.

DO NOT TIGHT TOO MUCH, CAUSE THIS WILL INCREASE THE WEARING OF THE BEARINGS.

The chains on the square rollers also have to be adjusted. There is one chain tensioners on each side.

9.4 GEAR.

The shaft in the turntable's center (below the cover) must be greased when required.

9.5 HYDRAULIC CYLINDERS.

Make sure that the hydraulic cylinder is closed when storing the machine.

9.6 CLEANING.

The machine should be cleaned and oiled regularly and by the end of the wrapping season.

NB! When using a steamer, you need to be careful with the electric equipment and bearings. Keep the counter protected from rain or water.

9.7 QUICK COUPLERS.

Be careful to keep the quick couplers clean and apply the dust caps after use. The connecting hoses are to be placed in the holders, on the side of the machine when not in use.

9.8 STORAGE.

The machine should be parked on a dry place during the closed season.

10.0 CHECK POINTS BEFORE TROUBLE SHOOTING.

In this chapter we have some general check points that have to be examined first if something is wrong with the machine. In chapter 11.0 we have a more detailed trouble shooting.

There are two basic assumptions that have to be fulfilled if the machine shall function properly:

1. The oil pressure from tractor should be 180 bar.
2. The return flow of oil has to be as free as possible, max. 10 bar counter pressure.

10.1 OIL PRESSURE.

In order to control that the oil pressure into the machine is high enough, there has to be applied a gauge to the oil pressure hose, for example on the quick coupler.

If the pressure is less than 180 bar, there will be less power for the functions.

OIL AMOUNT.

The oil amount that the tractor delivers must be minimum 15 liters/minute, (Max. allowed oil amount

is 25 liters/minute).

REMEMBER! Large oil amount = Valves get hot. (Small oil tank = insufficient cooling).

10.2 RETURN PRESSURE.

The return line pressure can be too high. With high return pressure the machine's functions will get less power. High return pressure means also that you need more power to operate the valves.

MAX. ALLOWED RETURN PRESSURE IS 10 BAR.

If you are in doubt about the return pressure, arrange a "free return" directly to the tank.

PLEASE CONTACT YOUR DEALER IF YOU ARE IN DOUBT OF ANYTHING.

(Remember always to give your dealer the serial number and production year of your machine when contacting dealer and when ordering spare parts).

11.0 TROUBLE SHOOTING.

BEWARE OF MOVING PARTS WHEN TESTING THE MACHINE.

11.1 THE MACHINE DOES NOT WORK.

- a) The gage shows that there is enough pressure but there is no reaction from the machine. The problem can be that one or both of the quick couplers are not opening to let the oil through.

Change the quick couplers.

- b) The return pressure may be too high.
Max. return pressure is 10 bar

11.2 THE TABLE WILL NOT ROTATE.

- a) The safety valve on the motor, may be leaking, so that the oil passes the motor. Disengage the valve and check that the piston moves freely.
- b) Check if the oil motor is working.
Ask your dealer for advice BEFORE you make the error larger and more difficult to repair.

11.3 LOAD ARM, TILT, TABLE OR CUTTER DOES NOT FUNCTION.

The cables have become warped, and must be replaced.

11.4 RETURN OFF KNIFE CYLINDER. PRESSURE SETTING THE ACCUMULATOR.

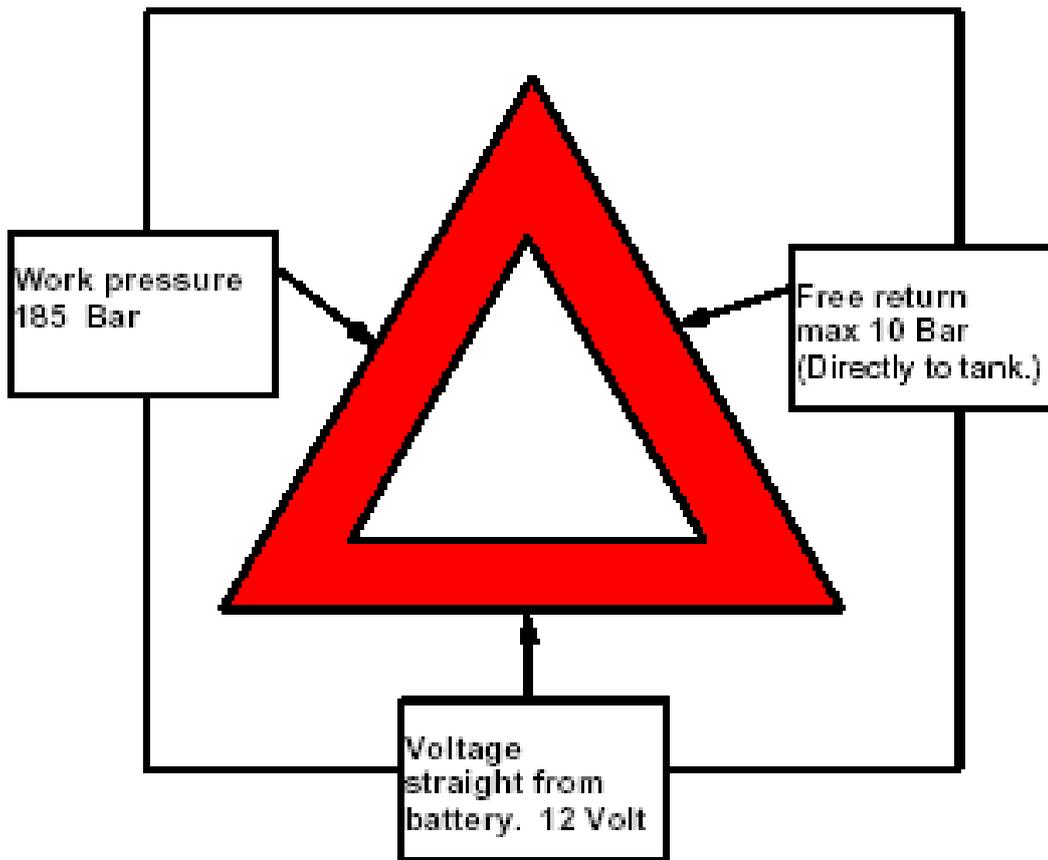
- A. Drive the knife cylinder to closed position.
- b. Remove plug from the diverter valve behind the accumulator.
- c. Connect hose from + knife cylinder on the diverter valve.
- d. Open the knife with knife close function. (low pressure)
- e. Connect hose back to knife cylinder
- F. Test the knife.
- G. If the knife does not close, let out oil pressure on the return side of the knife cylinder until the knife is closed
- H. If the knife does not open, the pressure on return side is too high.

11.5 THE KNIFE WILL NOT HOLD THE PLASTIC FILM.

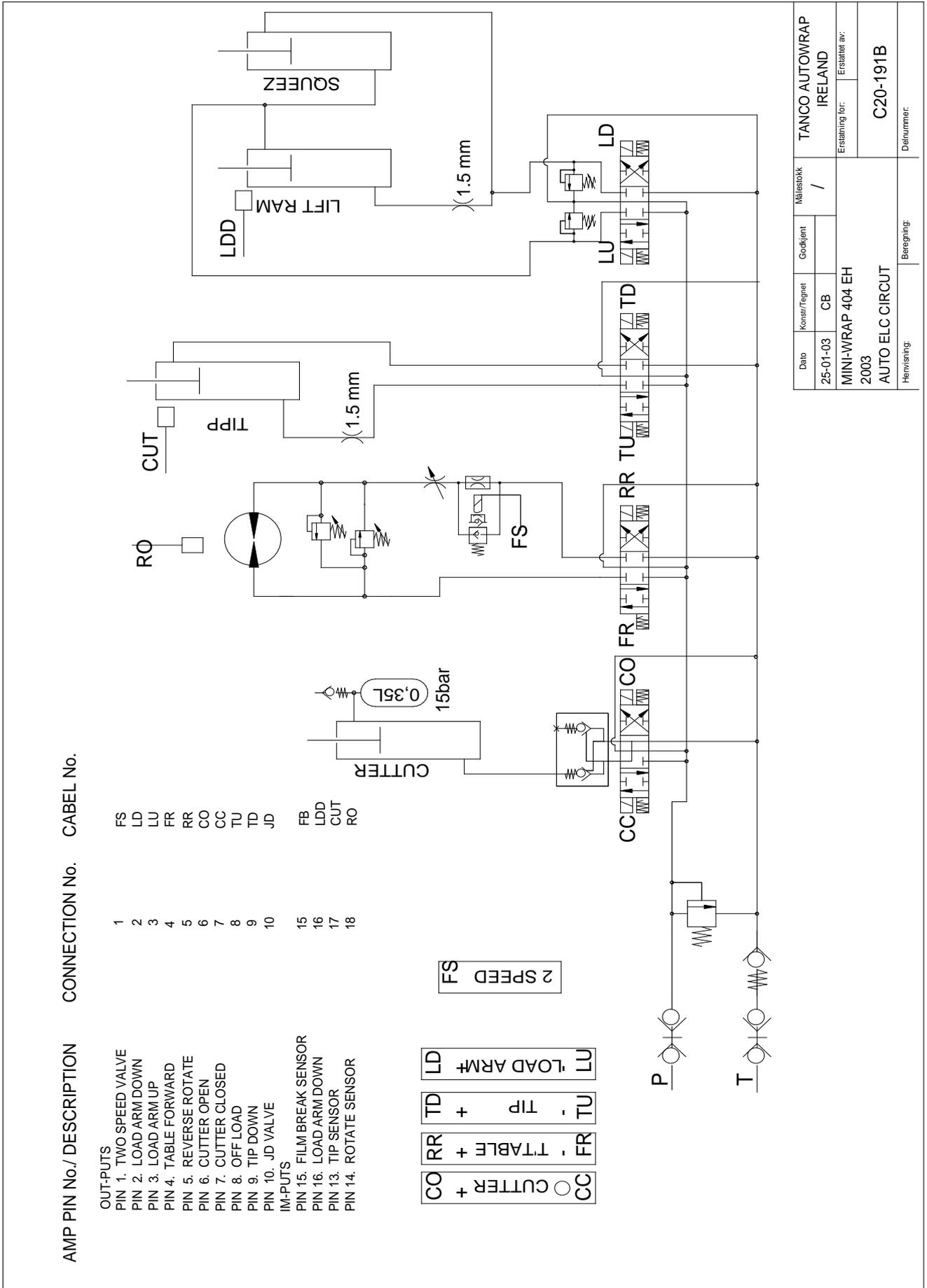
Check the pressure in the accumulator, see chapter 11.4.

There are 3 basics which must ALWAYS be followed if the machine is to function correctly.

NOTE !



12.0 HYDRAULIC CHART



Dato	Konstr/Tegnet	Godkjent	Målestokk	TANCO AUTOWRAP
25-01-03	CB		/	IRELAND
MINI-WRAP 404 EH				Ersatter av:
2003				
AUTO ELC CIRCUIT				C20-191B
Henviisning:			Beregning:	Delnummer:

13.0 OPEN / CLOSED CENTRE CONVERSION

The conversion between closed and open center hydraulic system is carried out by the means of a 2 port solenoid valve, this is fitted in line in the pressure supply pipe to the main control valve.

When fitted, the solenoid is connected electrically to the cable marked '**JD**' and the operator has the option to enable the operation of open / closed center option by raising or lowering the switch marked '**normal or john deer**' on the right hand side of the junction box

