

**TANCO AUTOWRAP
1050 LRC MODEL 1994
OPERATORS HANDBOOK
AND
PARTS LIST
WD65-1050-LRC-M0594**

GUARANTEE

Subject as 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 which ever occurs first.

In respect of Airways 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 invoice 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 which 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 which 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 which 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 part thereof.

Any allegedly defective part or parts returned to the Sellers 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 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 and subsequent users of their goods or to any other person or persons for loss or damages howsoever arising in respect of either personal injuries or for arising out of, or in any way connected with or arising from the manufacturers 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 person (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 the Sellers.

CLAIMS

If you wish to make a claim under guarantee.

1. Immediately, stop using the machine.
2. List the details of the machine and damaged item, (as shown inside the front cover of this booklet.
3. Consult with your Tanco dealer (supplier) and have him forward your claim and the damaged item to Tanco.

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GENERAL SAFETY INSTRUCTIONS.

Before operating, adjusting or servicing the machine it is important that these instructions are carefully read by those directly concerned.

Whilst every care has been taken in the design of this machine there remains a certain amount of risk to Personnel whilst the machine is in use. It is strongly recommended that the user/operator takes all possible precautions to ensure both his own safety and that of others while the Autowrap is operating. The area around the machine should be kept clear at all times and only the operator should be allowed near the machine when working.

The Autowrap is designed and sold for agricultural purposes and as such complies with the definition as laid down for an Agricultural Trailed Appliance.

Under this definition the machine is not fitted with brakes or lights. IT SHOULD NOT UNDER ANY CIRCUMSTANCES BE TOWED ON THE HIGHWAY AT SPEEDS IN EXCESS OF 20 m.p.h. (30 km/h).

If the machine is to be towed on the highway out of daylight hours then a suitable lighting board with indicators, stop lights and rear lights should be fixed to the rear of the machine before proceeding.

Bales should be loaded carefully on to the turntable and not dropped from a height.

Owners and operators are advised to contact their dealer regarding any field or service problems.

SPECIAL SAFETY INSTRUCTIONS

1. Stop engine of tractor before working on machine.
2. Put a suitable prop under raised platform before working in this area.
3. Always raise Lift Arm and fit safety prop before transporting machine on public roads.
4. Lift Arms should always be lowered before operating turntable.
5. Ensure platform rollers are parallel to Lift Arm before arm is raised.

OPERATING SAFETY INSTRUCTIONS

1. Operators should have their hands on the controls at all times when the machine is use.
2. Autowrap control unit and lever controls must remain in the tractor cab at all times. The operator must at no time leave the tractor cab when the machine is in motion.
3. Keep onlookers clear of machine at all times. Danger zone is 5 metres.
4. Beware of rotating turntable and all moving parts.
5. If not operated correctly the bale could fly off the turntable. The end support rollers must always be fitted. Do not exceed recommended turntable speed of 25 r.p.m. Mis-shapen bales combined with excessive turntable speeds can be dangerous.
6. Care must be taken when tipping bales from machine on sloping ground and during subsequent handling to ensure that they do not roll, thus causing hazard.

THINK OF YOUR PERSONAL SAFETY AND THAT OF OTHERS AT ALL TIMES.

PRE DELIVERY INSTRUCTIONS

IMPORTANT: DO NOT ATTEMPT TO OPERATE UNTIL THE FOLLOWING INSTRUCTIONS ARE PERFORMED OTHERWISE SERIOUS DAMAGE COULD BE CAUSED.

1. MACHINE ASSEMBLY

For ease of transportation some items are removed from their positions and stored elsewhere on the machine. The control box, film dispenser and cut and start unit are stored under the bale belt. Also stored under belt on remote control machines are the infra red receiver and sender units and warning beacon. The film mast is attached to the front of the machine. On round bale machines only, the top rollers c/w mounting brackets and the plastic end rollers are mounted on temporary brackets beside the bale belt, also the main guard may be dropped from its mounting position on the machine chassis. Road wheels, bale lift arm and bale ramp are transported separately. Remove the above items and assemble as detailed in parts list section of this manual taking particular note of the following points.

(i) DISPENSER MAST

Insert lift mast into socket towards front of machine. Ensure film pull down ram is faced towards the machine. Attach the pull down arm hydraulic ram. Attach the film dispenser to the mast ensuring that the end marked top is faced up. On remote control machines attach the infra-red receiver and warning beacon to top of mast. The film mast height is adjustable. Its height is dependant on bale size and type and is set in the field. It should be set so that centre line of film is in line with centre of bale. See Fig. 1

(ii) CUT & START

Attach Cut & Start unit to mounting frame on the left hand side of the machine. It is possible to move the unit along the mounting and fix it to any of three holes. On all round bale wrapping machines the unit is fixed to the centre hole on the mounting frame. Connect electrical supply to unit ensuring that wiring is secure. The cable is stored on the turntable frame near the Cut & Start mounting.

(iii) BALE LIFT ARM

Assemble bale lift arm and attach to mounting points on right hand side of main chassis. Attach hydraulic ram to lift arm; grease pivot pins.

(iv) TOP ROLLERS AND PLASTIC END ROLLERS

Place plastic end rollers in sockets on the back and front of the turntable. On round bale machines only, attach top rollers and mounting brackets to each side of the machine.

(v) MAIN GUARD (round bale machines only)

Bolt main guard onto its four mounting points.

(vi) ROAD WHEELS (trailed machines only)

Attach road wheels ensuring that nuts are tight and tyre pressure is 50 p.s.i.

(vii) BALE RAMP OR MAT

Attach bale ramp or mat to rear of chassis. Note Round bale trailed machines have bale ramps all other machines have bale mats.

CHECKS TO BE PERFORMED

1. Check that all bolts and nuts are tight.
2. That all lubrication points are greased.
3. Check that all guards are in place.
4. Check all operating and safety stickers are in place.

2. OPERATIONAL TEST

When all above assembly and checks have been carried out the operation of the machine should be checked as follows:

NOTE: IF YOU ARE NOT TOTALLY FAMILIAR WITH THE OPERATION OF THE TANCO CONTROL SYSTEM READ THIS MANUAL IN FULL BEFORE PROCEEDING WITH OPERATIONAL TEST.

1. Attach machine to tractor.
2. Connect hydraulic hoses to D/A service on tractor.
3. Fit controller box inside cab.
4. Connect control box to machine and connect power cable direct to tractor battery. It is important that the leads are connected with the correct polarity.
5. Fit cable control actuator socket to convenient position in cab and locate actuators in socket.
6. Lock hydraulic lever in tractor so that oil is flowing through system.
7. Check function by operating control levers.
 - (a) Lift arm up and lift arm down. NOTE ensure lift arm is down before moving to (b).
 - (b) Turntable rotation forward and reverse.
 - (c) Tip up and down checking hoses are o.k.
8. Switch controller on.
9. Switch controller to manual operating mode by operating toggle switch.
10. Check Cut & Start plunger out and in.
11. Switch machine to AUTO mode then run through the Wrapping cycle. See operating instruction section of this manual on how the machine should perform, and if any function fails to operate correctly consult fault finding section of the operators manual.

3. CUSTOMER CHECKS.

Before despatching consult customer on the following points:

1. That the machine model suits his requirements.
2. If machine is to be operated on a tractor with a closed centre hydraulic system then a closed centre valve is required, see separate instructions.
3. That the tow hitch type is compatible with the tractor. Three different hitch types are available.

TRANSPORT INSTRUCTIONS

1. Never use straps around the machine when lifting. Use only the following lifting points:- Tow hitch and two sockets on each side of main frame at rear for trailed models. 3pt. Linkage frame and two sockets on each side of main frame at rear for 3 pt. Linkage Model.
2. When the machine is towed on the road the Lifting Arm (if fitted) must be in the fully raised position, the safety prop fitted and the axle returned to narrowest position.
3. Raise the Parking Jack on trailed models before moving machine.

MACHINE IDENTIFICATION

The Serial Number plate is located on main frame forward of offside wheel on trailed models and on 3pt. Linkage frame for 3pt. Linkage model.

Always refer to this number when ordering parts. The Spare parts catalogue number and description should be used. The reference numbers are used to help identifying the spare part.

For your records write serial number here.

SERIAL NO. _____

PREPARATION OF A NEW MACHINE

1. Check height of film mast to ensure that centre line of film spool is level with the centre line of the bale on the turntable. This will alter with different bale diameters. If this alignment is not correct more film than necessary will be used. See Fig 1. Page 15.
2. When connected to John Deere* tractor the valve must be converted to closed centre. See Page 18.

HYDRAULIC CONNECTIONS

Connect the feed and return hoses from the Autowrap valve to the tractor's double-acting facility.

NOTE: The return hose is fitted with a non-return valve to protect the Autowrap from damage in the event of incorrect connection to tractor hydraulics.

NOTE* To ensure maximum efficiency and length of life of hydraulic components this machine requires a clean supply of hydraulic oil. IT IS RECOMMENDED THAT THE TRACTOR HYDRAULIC FILTER ELEMENT BE REPLACED AND THEREAFTER MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

TANCO AUTOWRAP 1050 MODELS
BALE BELT TRACKING

This machine is fitted with a continuous belt which has a natural tendency to float due to variations in bale shape centrifugal forces etc. However if the following instructions are followed closely the final setting for tracking the belt can be arrived at over a maximum of two or three bales in the field. The ideal settings will ensure that the belt will always return to a central line

Prior to despatch from our works the belt is centralised on the machine and the belt adjuster and belt tracking rollers are adjusted to the settings on the drawing B.T.I attached.

The belt adjuster roller (item 1) is initially set slightly offset to the drive roller, see A & B. Its primary function is to control the sag in the belt so that the centre of the bale is high enough to ensure that it is fully wrapped correctly on the ends but may also require adjustment to control the belt on the drive roller (see belt tracking procedure below).

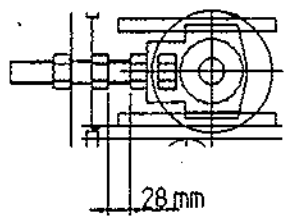
The belt tracking roller is purposely set out of line to the top roller, see C & D. Its functions to put tension on one side of the belt to counteract the tendency of the belt to move sideways. The bale will always try to move away from the chain drive side of the machine until it touches the plastic end roller at the other side, at which point the bale will attempt to move away from the bale and towards the chain drive side.

The degree of offset of the tracking roller (item 2) may need adjustment to control the belt on the idler roller.

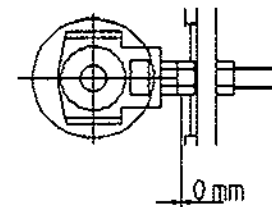
BELT TRACKING PROCEDURE

1. Ensure the belt tracking roller is adjusted to the initial settings at C & D, (see drawing), and that the belt adjuster roller is adjusted to settings at A & B.
2. Load bale and rotate turntable for approx. 20 revolutions without film being applied and observe if belt moves.
3. If the belt moves more than 30mm out of line, observe which roller it moves on and in which direction it moves then adjust the appropriate roller inwards on the side the belt moves away from in 5mm increments until the belt stays relatively central;
4. Attach film and commence wrapping the bale manually whilst making adjustments as per 3 above.
5. Tip off bale then fresh bale and again wrap using manual controls. If adjustments have not been excessive on any one roller then the belt should now run central.
6. Load next bale and commence wrapping in auto mode whilst observing how the belt behaves. If the belt movement is less than 30mm on either roller do not adjust again but continue wrapping bales.

NOTE: The belt will always move because each belt is different, but provided it runs reasonably central it should not require any further adjustments.



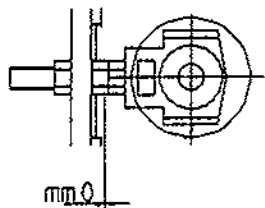
A



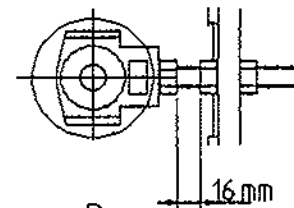
C

DRIVE ROLLER

C/L OF TRACKING ROLLER



B



D

DRIVE CHAIN COVER

DRIVE ROLLER

IDLER ROLLER

①

BELT ADJUSTER ROLLER

BELT TRACKING ROLLER

②

B.T. 1

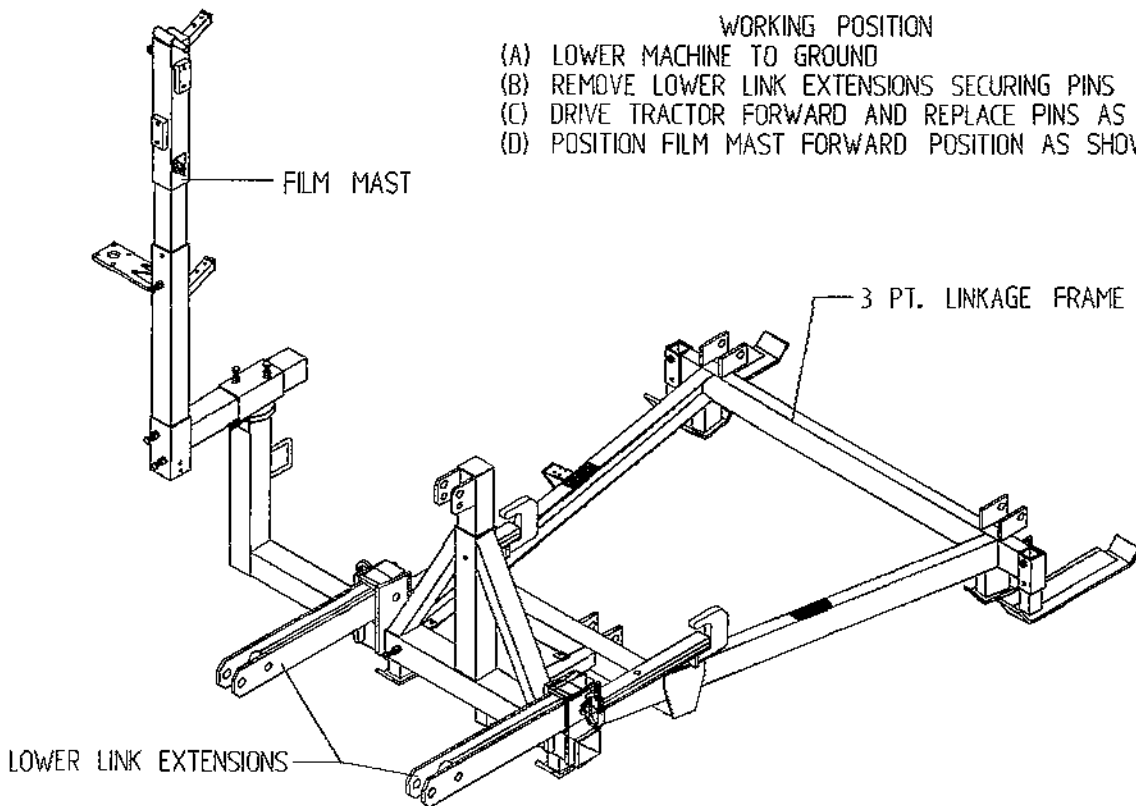
1050 MODEL

FILE NAME 9228 A

TANCO AUTOWRAP 1050 LRC MODEL

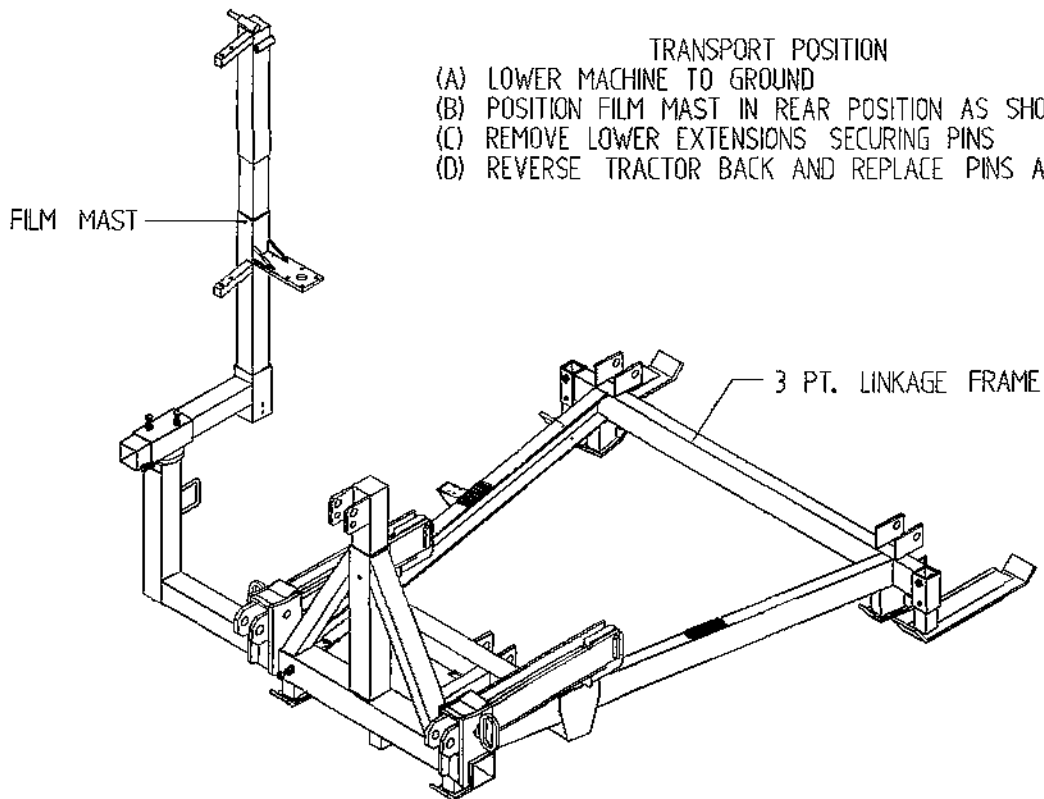
WORKING POSITION

- (A) LOWER MACHINE TO GROUND
- (B) REMOVE LOWER LINK EXTENSIONS SECURING PINS
- (C) DRIVE TRACTOR FORWARD AND REPLACE PINS AS SHOWN
- (D) POSITION FILM MAST FORWARD POSITION AS SHOWN



TRANSPORT POSITION

- (A) LOWER MACHINE TO GROUND
- (B) POSITION FILM MAST IN REAR POSITION AS SHOWN
- (C) REMOVE LOWER EXTENSIONS SECURING PINS
- (D) REVERSE TRACTOR BACK AND REPLACE PINS AS SHOWN



FILE NAME: WD 63 - PL 9

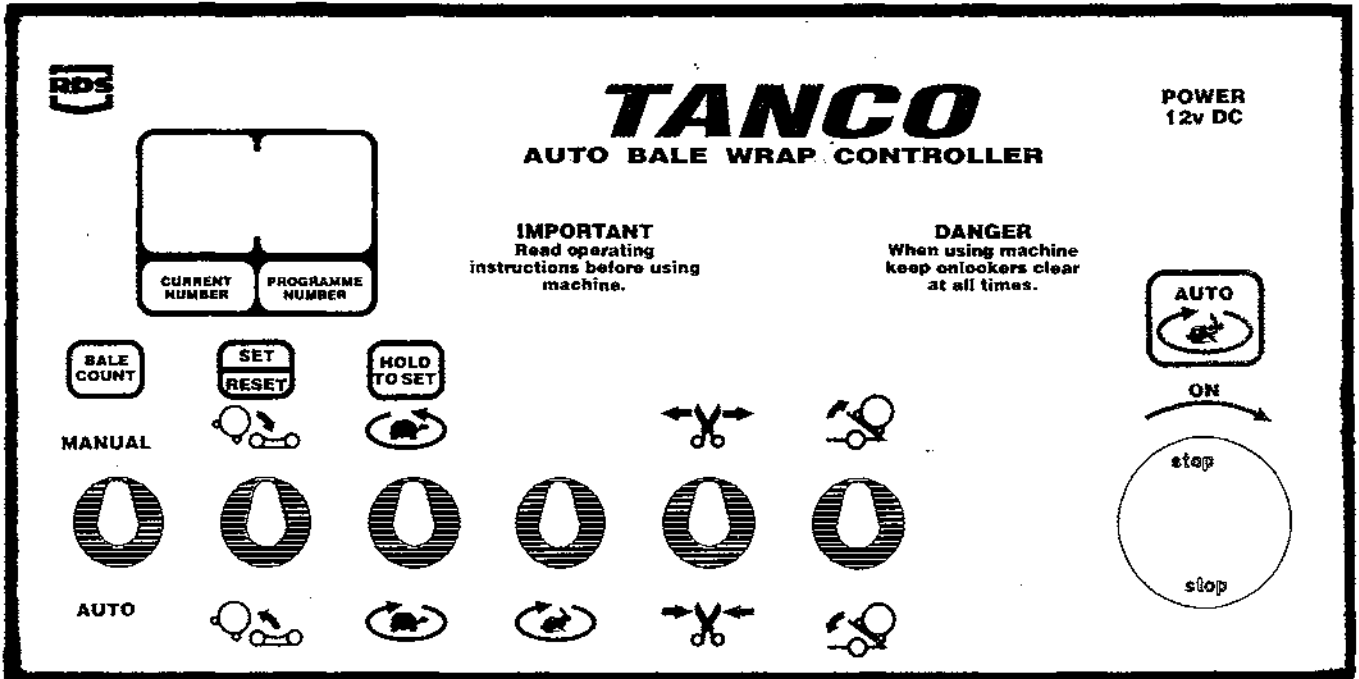
AUTOMATIC BALE WRAP CONTROLLER

The control unit on the 1994 Autowrap allows full automated control of the bale wrapping sequence. The control unit is pre-programmed to automatically wrap the bale to the required number of revolutions. Once complete, the turntable stops in the correct position to allow the film to be cut and held. Incorporated is also an inching override facility on the control unit to move the turntable, left or right, to ensure that the film is properly gathered. Once the turntable is lowered it rotates automatically back through 90 degrees to facilitate loading the next bale. Loading and tipping off of the bale is operator controlled using switches on the control unit.

The programming of the Automatic Bale Wrap Controller is easily done by following the steps outlined below.

Once the unit is switched on, the number of required turntable revolutions appears on the right hand display. To change this press and hold the "hold to set" button, see fig 1., then press the "set/reset" button. The first digit of the number will then blink and count from 0-9. Release the "set/reset" button at the required number. By pressing the "set/reset" again the second digit can be changed.

The monitor counts the number of bales per batch and the cumulative total. To see these, press the "bale count" button. The first number to appear is the batch total. If the button is held down for 10 seconds, a line will appear on the display, followed by the cumulative number wrapped. The batch count can be reset to 0 by holding the "bale count" button down and pressing the "set/reset" once. The cumulative total cannot be returned to zero.



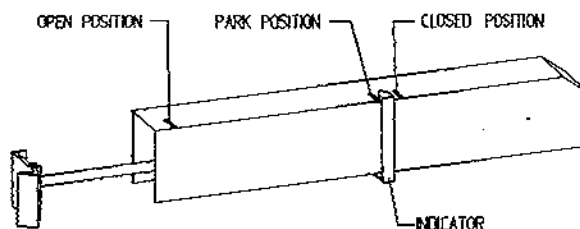
OPERATOR ACCESSIBLE MONITOR PROGRAMMES

The Auto Bale Wrap Controller display a total of *8 programmes. To access the programming mode, turn the power off by pressing the red button, then press and hold the 'hold to set' key and turn the power on, by rotating the red button. Now you have accessed to the programming mode. A chevron 'V' will appear in the left side of the left display - this indicates the first function. By pressing the 'hold to set' key the next programme is accessed and so on. The chevron 'V' will move across the display indicating each of the 8 functions. The functions and settings are as follows.

Programme 1: Park Position
Display Reading: 5.5 Seconds



Function: Time required for the 'Cut and Start' Actuator to return from the 'Open' position to the 'Park' position (See Diagram).



Due to varied output from tractor batteries, this reading may have to be altered to ensure that the indicator arm stops at the 'park' position.

- (i) If the indicator arm passes the 'park' position, then reduce the valve by 0.1 sec. Repeat this until correct.
- (ii) If the indicator arm does not reach the 'park' position, then increase the valve by 0.1 seconds until corrected.

Programme 2: Stop Position for the Cut and Start
Display Reading: 0.3 seconds.



Function: This programme sets the point at which the 'Cut and Start' stops under the film at the end of the automatic wrapping cycle. This Value is adjusted.

- (i) If the turntable rotates too far and the 'Cut and Start' passes under, then reduce the setting by 0.1. Repeat until corrected.
- (ii) If the turntable rotate does not far enough and the 'Cut and Start' does not line up with the film, then increase the setting by 0.1. Repeat until corrected.

* NOTE: Automatic autowrap controllers prior to Serial No. 45700 had only 7 programmes displayed. After this serial number **Programme 4** "Tip to Tip Down Delay" was inserted to give more control to the operator for fine tuning the automatic sequence.

Programme 3: Tip up.
Display reading: 4.0



Function: This controls the time for which the tipping ram extends out after the 'Cut and Start' closes. This value is changed only when the setting of the rear magnet that impulses the tip sensor, is changed;

- (i) If the magnet is adjusted upwards then this setting will have to be increased.
- (ii) If the magnet is adjusted downwards then this setting is decreased. Adjustment is in 0.5 second increments.

Programme 4: Tip up to tip down delay
Display reading: 0.5



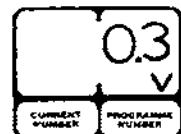
Function: Duration in seconds that the tipping ram remains fully extended between tip up and tip down.

Programme 5: Tip down.
Display reading: 4.8



Function: This controls the time required for the turntable to tip down to the horizontal position. Note: this setting is increased if the film pull down arm does not retract fully. Adjust in 0.1 increments.

Programme 6: Stop Position in Reverse.
Display Reading: 0.3

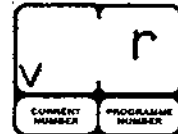


Function: This controls the point at which the turntable will stop when it rotates back to facilitate loading. This setting is only altered;

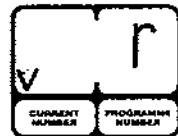
- (i) When the turntable rotates back too far then decrease this value by 0.1. Repeat until corrected.
- (ii) When the turntable does not rotate back enough then increase this value by 0.1. Repeat until corrected.

Programme 7: Machine Operation.

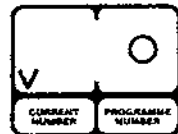
There are four separate settings for this programme depending on how the machine is being used. Two settings apply to the remote control models and two to the non remote models. Remote control mode with 90 degrees reverse not operational = Symbol **r**.



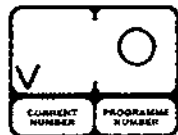
Remote control mode with 90 degrees reverse operational = Symbol **R**.



Non remote mode without 90 degrees reverse operational = Symbol **o**.



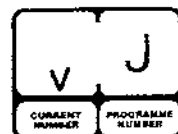
Non remote control mode with 90 degrees reverse operational = Symbol **0**.



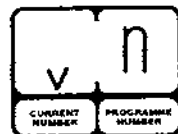
Programme 8: Tractor hydraulics.

Designed to convert the hydraulic system to suit open or closed centre hydraulics to tractor;

Closed centre = Symbol **J**



Open centre = Symbol **n**.



NOTE: An additional valve is required for operating in the **J** mode.

MODE OF OPERATION

Automatic Mode:

1. Position the bale gently onto the turntable with a grab ensuring that it is central between the end rollers.
2. Once loaded, and the 'Auto Start' button is pressed to commence wrapping. **NOTE:** The table must be in the correct loading position before the 'Auto Start' button is pressed. If not the table may stop in the wrong position at the end of wrapping.
3. In the automatic cycle the turntable will start off slowly for a half of one revolution before it reaches full speed. On the last revolution it will slow down and stop in the correct position to allow the film to be cut and held. **NOTE:** It is possible to move the turntable, left or right, to align the plastic by using the remote control or the toggle switch.
4. During the wrap cycle the 'Cut and Start' will extend out automatically. An indicator on the outside panel indicates what stage the 'Cut and Stat' is at. On the third revolution the actuator extends out moving the indicator from the close position to the open position. On the sixth revolution the actuator returns to the park position indicating that the 'Cut and Start' is ready to close. The indicator must be at the park position in either manual or automatic mode before the 'Cut and Start' will close.
5. When in a safe position to do so, press the tip off button.
6. The tip off sequence is automatic and once the turntable lowers it will rotate backwards through 90 degrees to facilitate loading, if required.

Manual Mode:

1. Switch to manual on the monitor.
2. Load the bale as outlined above.
3. Using the slow rotation switch, start the wrapping cycle.
4. After half of a revolution, switch to the fast wrapping mode by pressing the appropriate switch.
5. During the wrapping extend the Cut and Start out to the end mark and return the indicator to the 'Park Position'.
6. At the end of the wrap cycle line up the 'Cut and Start' with the film.
7. When safe to do so, tip off the bale and lower the turntable.
8. Position the turntable to load the next bale.

OPERATING INSTRUCTIONS

LRC MODELS.

1. Lower machine to ground. Remove lower link extension securing pins. Drive tractor forward and replace pins position film mast in forward position. See Fig A.
2. Fit roll of film and thread through the dispenser roller assembly by following the instruction label on the film mast.
3. Check that the correct number of Indexing Rollers are fitted to the indexing quadrants. A total of sixteen roller are required to achieve the correct number of wraps in 2 revolutions of the bale at 50% overlap using 750mm wide film roll.
4. Adjust tractor engine speed to give turntable of 16 - 25 r.p.m. **NOTE:** speeds in excess of 25 r.p.m. will void Warranty.
5. Lower bale into position with a Grab. Attach film tag to gripper section of cut and start unit.
6. Start wrapping. Film tension is automatically set so that width of film applied to the bale stays at a constant width of 405-410mm for 500mm film and 615mm for 750m film.
7. Continue wrapping until the automatic wrap cycle is completed, at which stage the turntable will stop with cut and start facing towards front of machine.
8. Tip bale from machine. When the machine is almost fully tipped the cut and start unit grips and cuts the film and the bale is then unloaded onto the bale mat.
9. Lower the turntable.
10. Repeat operations 4 - 8 as required.
11. When wrapping is complete, position film mast in rear position. Remove lower extension securing pins. Reverse tractor back and replace pins. See Fig A.
12. Ensure that 220mm dia idler roller mounting bearing is attached to correct set of mounting holes in mounting bracket to wrap square/rectangular or round bales. See fig A. Below.

NOTE: The film end need only be attached at the start of a roll, after that the sequence is automatic.

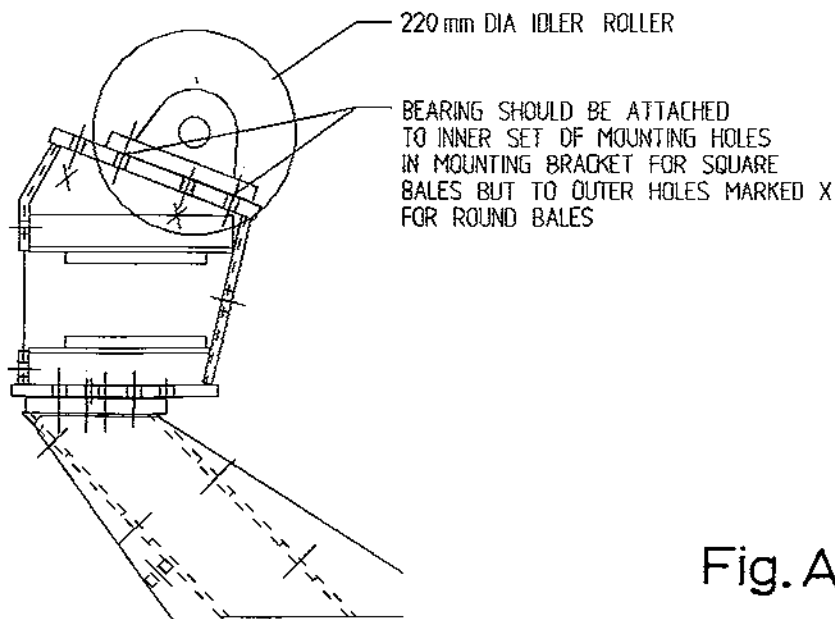
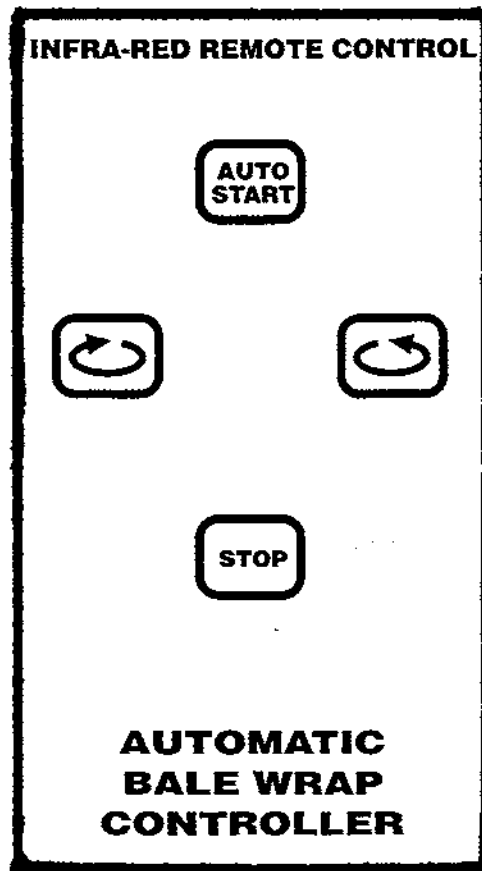


Fig. A

REMOTE CONTROL FEATURES OF THE AUTOWRAP 200 ARC

- * Designed to wrap at the stack, the 200 ARC is controlled entirely from the cab of the loader tractor. The machine's features include:-
- * Infra Red Remote Controlled Wrapping Sequence.
 1. Programme the wrapper for the number of revolutions required. NB. The total number of bales wrapped is also recorded.
 2. Load the bale onto the wrapper and as you reverse out activate the wrapping cycle using the infra-red remote controller. When the cycle is completed the turntable will stop automatically in the tip position.
 3. Whilst the first bale is being wrapped gather another bale and approach the wrapper. Using the remote controller tip off the wrapped bale. The film is automatically cut by the cut and start and the table returned to the load position.
 4. Load the next bale and activate the wrapping cycle again. Whilst this bale is being wrapped, stack the newly wrapped bale. Repeat the procedure.



FILM OVERLAP SYSTEM.

The Autowrap 1050 is fitted as standard with the 75% film overlap system. This is achieved by means of one indexing quadrant fitted with 16 indexing rollers (see page 15 & 16) which ensures the correct number of film layers are applied to the bale after a specific number of revolutions of the turntable.

For silage bales we recommend the application of a minimum of four layers of film.

Bale Size	Width of Film Roll	Bale Indicator Setting (Revs)
Ford N.H. D1000 60cm x 90cm x 150cm	750 mm	20

IMPORTANT

The above recommendations are only offered as a guide to correct wrapping of silage bales and the manufacturer accepts no responsibility for variations that may arise and the consequence of same. They are based upon turntable speeds of up to 25 r.p.m., and a minimum film width of 620mm applied to end of Bale when using 750mm wide film roll - See Page 5 and 7, proper maintenance of the machine and its correct operation.

It is the responsibility of the operator to ensure the correct number of wraps are applied, as variances can occur with fluctuations in speed of rotation, film quality and tensioning, shape and density of bale etc.

SERVICE AND MAINTENANCE

1. All nuts and bolts should be tightened after some hours in use and thereafter regularly.
2. Wheel pressure should be normally kept at 42 psi depending on bale weight and field conditions.
3. Inspect moving parts for wear on daily basis.
4. Remove hydraulic motor guard daily and clean loose materials from drive pulley and tensioner roller. Replace guard and lock in position while ensuring it does not collide with rotating turntable assembly.
5. Lubrication.

Drive chain & sprocket	-	grease every 24 hours.
End rollers	-	grease every 24 hours.
Main rollers	-	grease every 24 hours.
Hinge pins on Lift arm	-	grease every 24 hours.
Hinge pins on main tip frame	-	grease every 24 hours.
Hydraulic rams	-	grease every 24 hours.
Wheel bearings	-	grease every 24 hours.
Film reel assy.	-	grease every 24 hours.
Dispenser slave roller	-	oil every 24 hours.
Dispenser gearboxes	-	grease sparingly each month with lithium grease
Main spindle	-	grease every 4000 - 5000 bales.
6. Adjustments

Secondary drive chain	:	Adjust after first days work then tension.	every 50 hours.
Primary drive chain	:	Adjust after first days work then tension	check/adjust every 200 hours.
			See Fig 2.
Toothed drive belt	:	Adjust tension if slippage occurs	See Fig 3.
Main conveyor belt	:	See belt tracking instuction.	
7. Film Dispenser

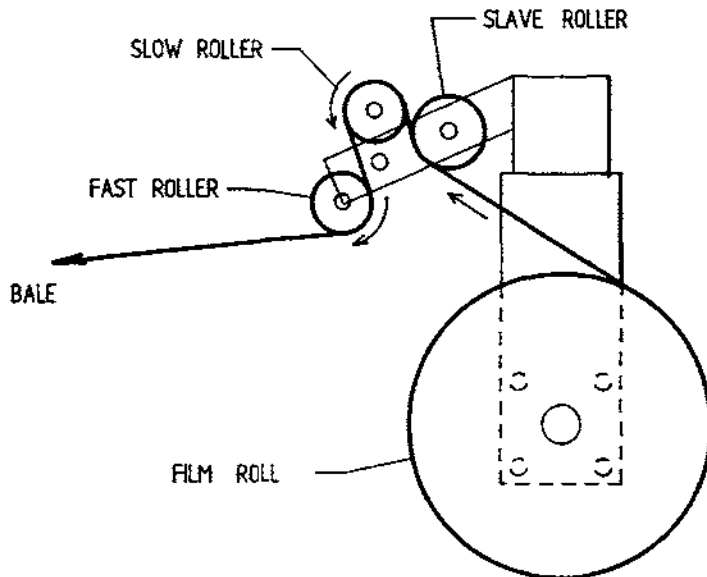
Fit with plunger at top.
Apply one shot of Lithiu Grease
Wash rollers often to avoid build up of Tack from film.
Follow Film threading diagram. See Fig 1.
8. Film Adjustment

Centre of film roll must be in line with centre of bale and film mast should be vertical.

SERVICE AND MAINTENANCE (CNT.)
HYDRAULIC FILTER

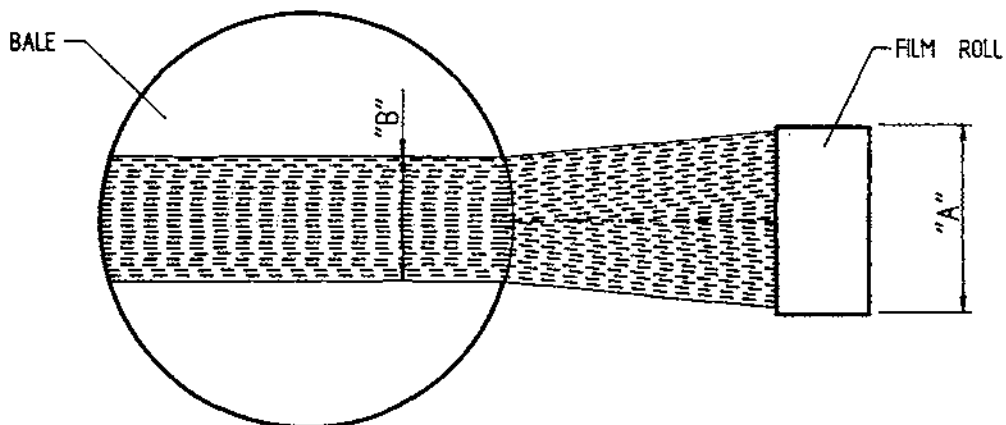
1. Before connecting Autowrap to tractor, change oil in tractor hydraulic system and replace hydraulic filter.
2. After 25 hours max. it will be necessary to replace the element in Autowrap filter.
3. For maintenance purposes it is necessary to change the element after 200 working hours.
4. The element cannot be just cleaned and put back into the filter. *

TANCO AUTOWRAP FILM THREADING DIAGRAM



FILM ADJUSTMENT

CENTRE OF FILM ROLL MUST BE IN LINE WITH CENTRE OF BALE AND FILM MAST SHOULD BE VERTICAL.



FILM ROLL WIDTH "A"	FILM WIDTH ON END OF BALE "B"
500 mm	400 mm
750 mm	600 mm

Fig. 1

FILE NAME WD60-LA21

TANCO AUTOWRAP 1994 DRIVE BELT TENSIONING SYSTEM

BELT TENSIONING PROCEDURE

1. CHECK THAT HYDRAULIC MOTOR MOUNTING BRACKET IS SECURE IN POSITION.
2. LOOSEN M10 BOLT WHICH CLAMPS BELT TENSIONER BODY TO MOTOR MOUNT.
3. TENSION BELT BY ADJUSTING TENSIONER USING SPANNER IN DIRECTION OF ARROW "X" UNTIL SETTING OF 30 IS REACHED.
4. RE-TIGHTEN M10 BOLT TO SECURE TENSIONER IN POSITION.

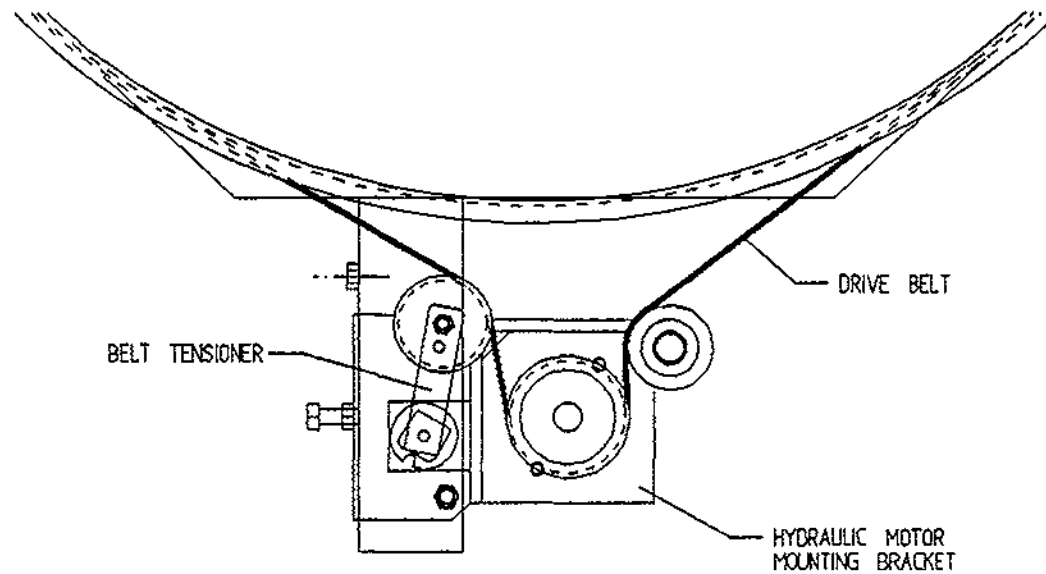
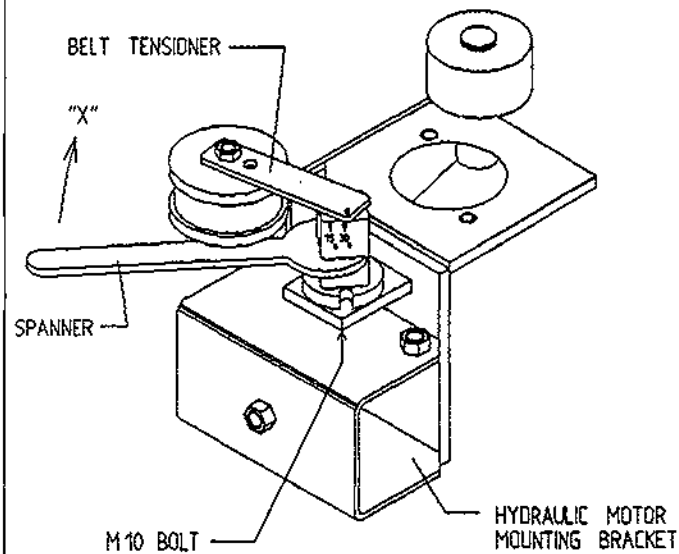
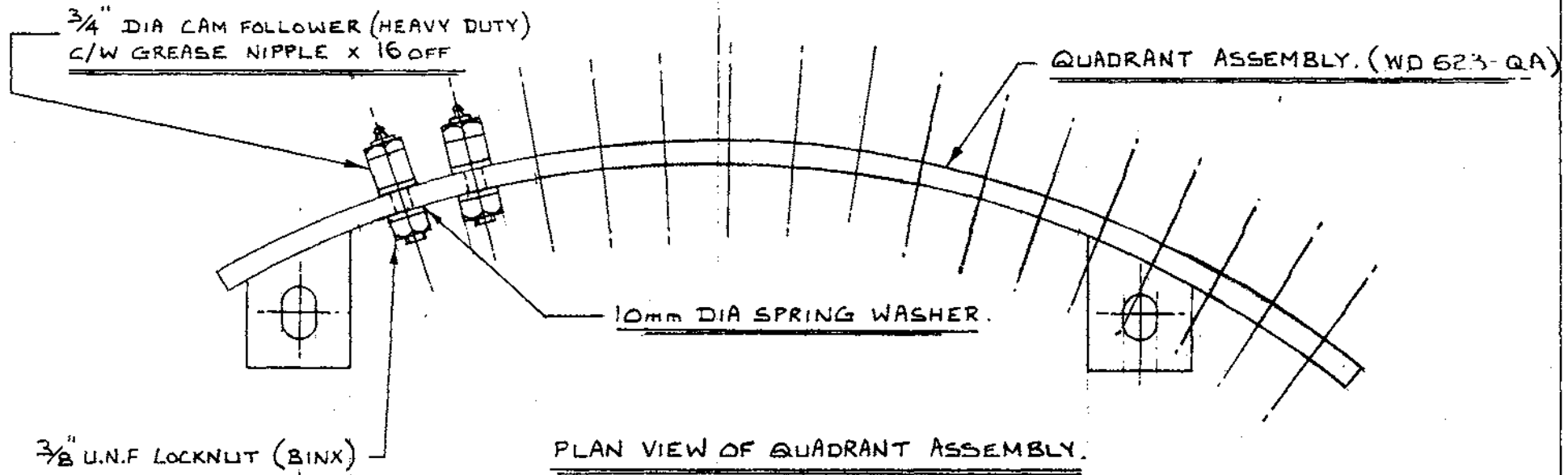


Fig. 3

NOTE:

WHEN FITTING $\frac{3}{4}$ " DIA CAM FOLLOWERS
TO QUADRANT ASSEMBLY IT IS NECESSARY
TO TORQUE NUTS TO 26 FT/LB.



NOTE:

ENSURE THAT M20 HEX HD BOLT X 110mm
LONG USED TO MOUNT 4" DIA SUPPORT
WHEELS ON TURNABLE ASSEMBLY IS
POSITIONED WITH BOLT HEAD TO INSIDE
TO AVOID FOULING $\frac{3}{4}$ " DIA CAM
FOLLOWER.

TANCO AUTOWRAP 1050 MODEL (1994)

QUADRANT ASSEMBLY INSTRUCTIONS.

Brake Timing Instructions.

The correct setting of the indexing system is essential to ensure proper bale rotation and correct film overlap. The indexing shaft is fitted with a brake to hold the bale in position after it has rotated. The engaging and disengaging of the brake is actioned by the brake trailing arm roller riding over the brake ramp, releasing the brake and allowing the indexing shaft to rotate. It is essential that the brake is released when the sprocket of the indexing shaft engages with the first cam follower and that it is reapplied when the sprocket releases from the last cam follower. This is factory preset and should only require occasional checking or adjustment.

Adjustment of this timing is as follows.

1. With a 17mm spanner, slacken the clamping bolt under the drive belt tensioner until free. This will allow manual rotation of the turntable.
2. The brake spring is extended so that there is a 0.50mm gap between its coils (Fig 2.).
3. Set the gap between the brake trailing arm roller and the floor to 5 - 7 (fig. 1). Note: This gap will decrease as the brake lining wears. If the spring is adjusted this distance must also be reset.
4. Adjust the brake trailing arm (fig 3.A) so that the brake disengages as the leading tooth of the indexing sprocket passes over the first cam follower. (See Fig 3.B). As a rule this is when the brake trailing arm roller is half way up the slope of the ramp.
5. Run the sprocket across the cam followers. Two settings should be checked;
 - (i) That the gap between the sprocket and cam follower is 4mm (fig 4.). To adjust this remove shims under the quadrant assembly.
 - (ii) That the clearance between the sprocket and the quadrant is 2 - m (Fig 5.) The quadrant assembly can be moved in or out to adjust.
6. Adjust the long brake ramp so that the brake disengages as the bottom sprocket tooth passes over the last cam follower. (Fig 6.).
7. Repeat this procedure on the opposite quadrant.

BRAKE TIMING INSTRUCTIONS

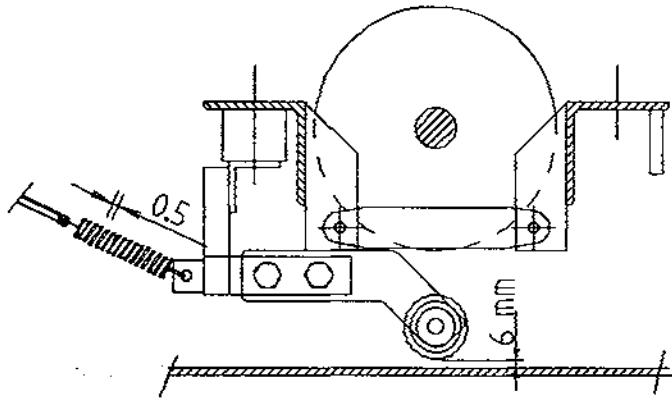


FIG 2

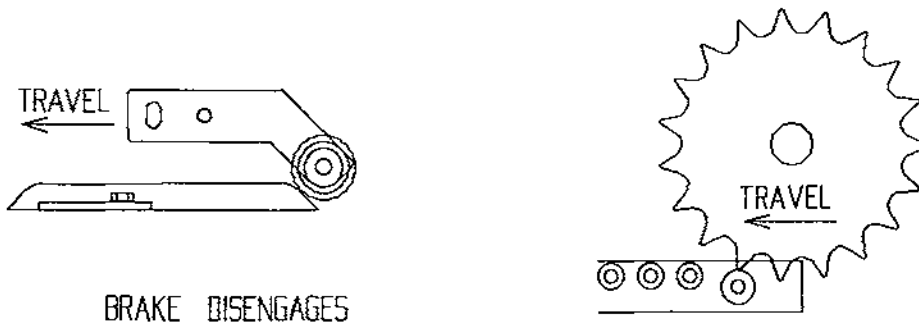


FIG 3

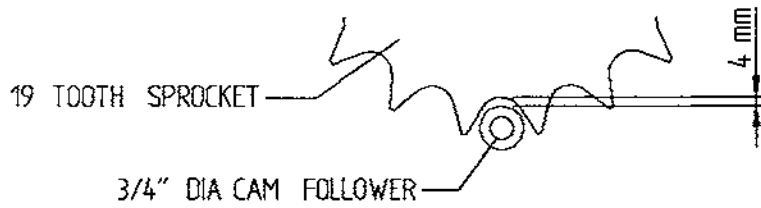


FIG 4

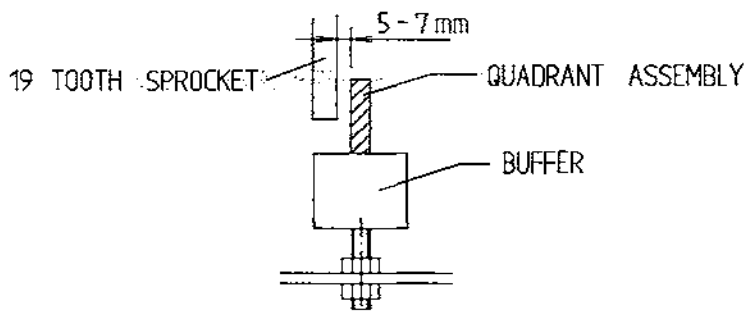


FIG 5

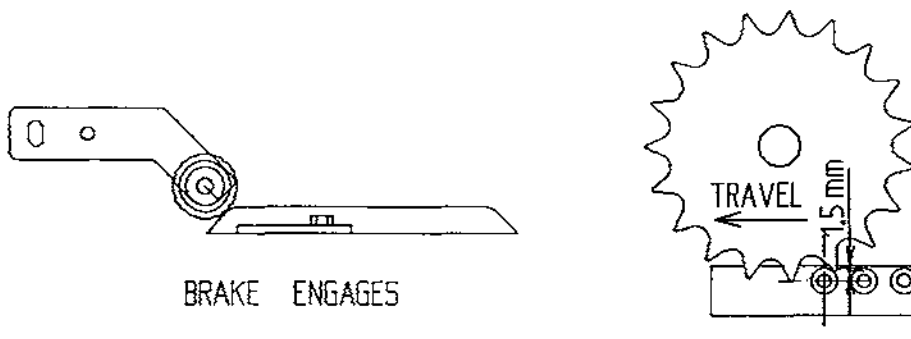
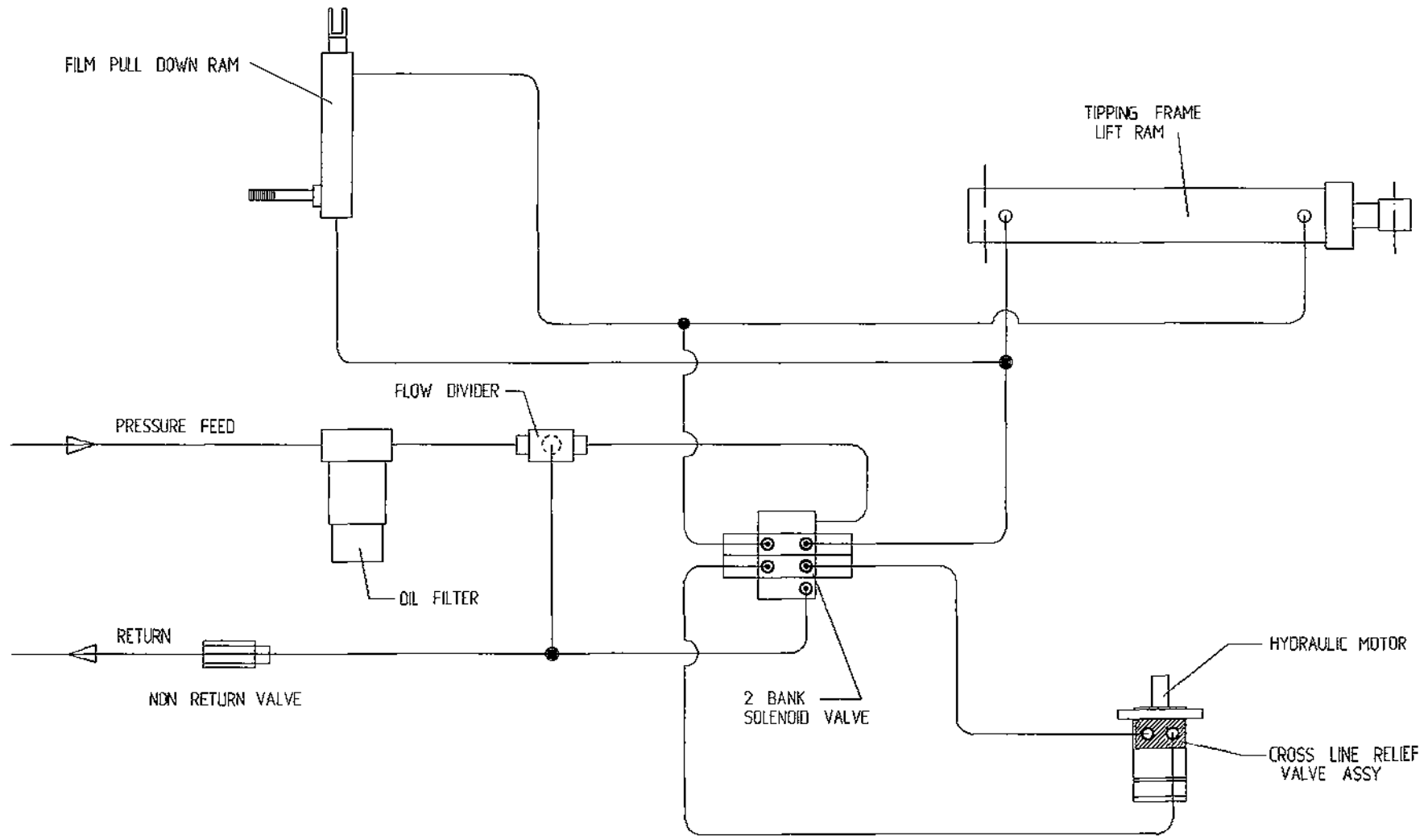
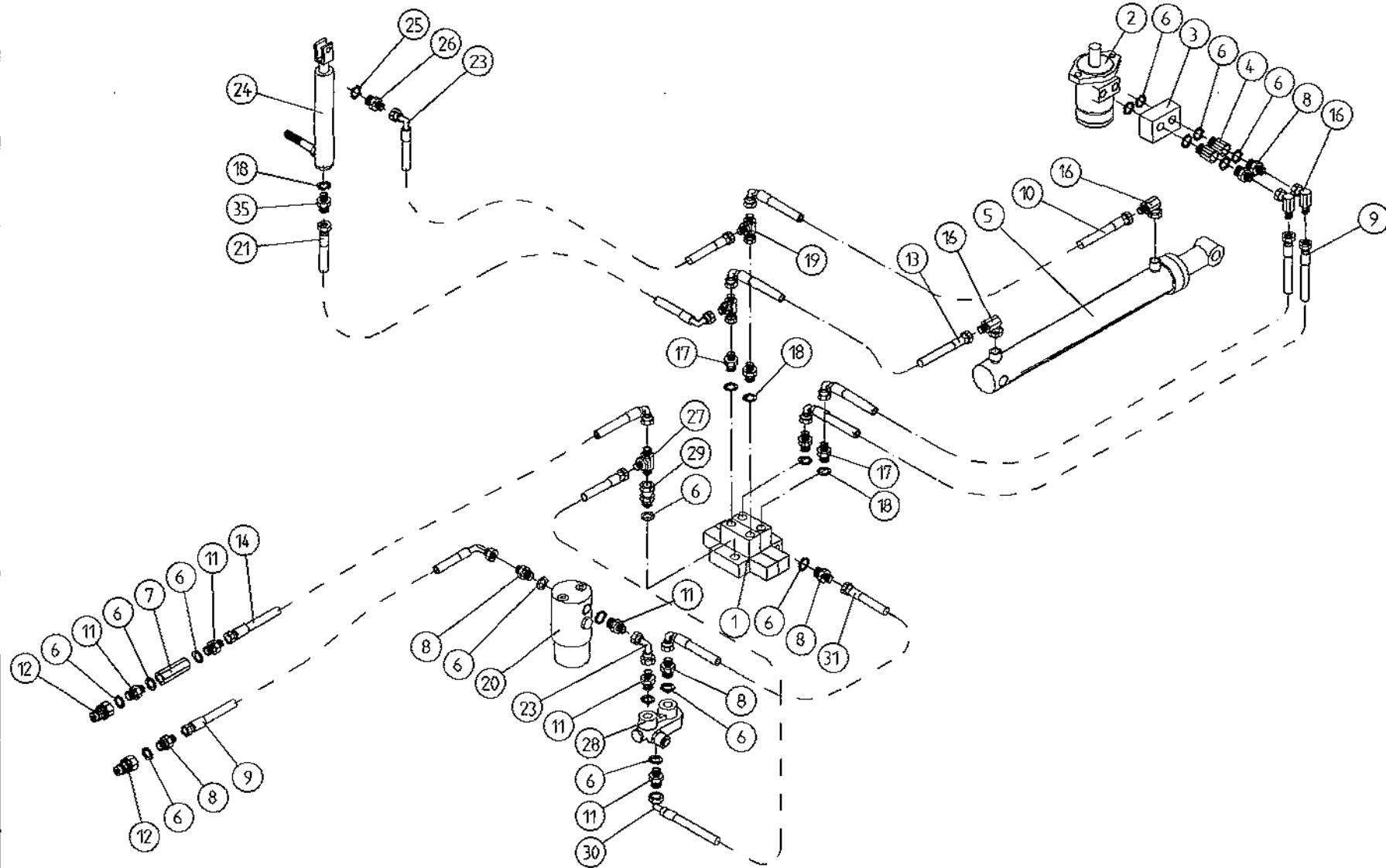


FIG 6

TANCO AUTOWRAP 200 ARC/1050 LRC/1250 LRC MODEL HYDRAULIC CIRCUIT DIAGRAM



TANCO AUTOWRAP 200 ARC/1050LRC/1250LRC MODEL HYDRAULIC COMPONENTS



TANCO AUTOWRAP 200 ARC / 1050 LRC/ 1250 LRC MODELS
HYDRAULIC COMPONENTS

PARTS LIST

ITEM NO	DESCRIPTION	QTY.	PART-NO.
1.	2 BANK SPOOL SOLENOID VALVE	1	Z01-03-10-A2
2.	HYDRAULIC MOTOR (C.L.)	1	Z01-02-AR75
3.	CROSS LINE RELIEF VALVE	1	Z01-03-002
4.	1/2" B.S.P. BOTTOM BANJO BOLT (SPECIAL)	2	Z01-18-081
5.	HYD. RAM (TIPPING FRAME)	1	Z01-01-AR687
6.	1/2" DOWTY WASHER	19	Z01-04-03
7.	1/2" NON RETURN VALVE	1	Z01-03-017
8.	1/2" x 3/8" ADAPTOR	9	Z01-06-06-08
9.	72" ST/90 3/8" D/W HOSE	3	Z38-R2-72-S9
10.	48" ST/90 3/8" D/W HOSE	1	Z38-R2-48-S9
11.	1/2" x 1/2" ADAPTOR	3	Z01-06-08-08
12.	1/2" MALE END Q/R COUPLING	2	Z01-15-081
13.	36" ST/90 3/8" D/W HOSE	1	Z38-R2-36-S9
14.	96" ST/90 1/2" D/W HOSE	1	Z12-R1-96-S9
15.	30" ST/90 3/8" D/W HOSE	1	Z38-R2-30-S9
16.	3/8" MALE/FEMALE 90 ELBOW	4	Z01-14-015
17.	3/8" x 3/8" ADAPTOR	5	Z01-06-06-06
18.	3/8" DOWTY WASHER	5	Z01-04-02
19.	3/8" MALE x 3/8" MALE x 3/8" FEMALE 'T' PIECE	2	Z01-12-002
20.	FILTER	1	Z01-24-08
21.	84" ST/90 3/8" D/W HOSE	1	Z38-R2-84-S9
22.	3/8" X 3/8" ADAPTOR FITTED WITH 0.06" RESTRICTOR	1	Z01-03-40
23.	96" ST/90 3/8" D/W HOSE	1	Z38-R2-96-S9
24.	HYD RAM D/A (PULL DOWN ARM)	1	Z01-01-AW25
25.	1/4" DOWTY WASHER	1	Z01-04-01
26.	1/4" x 3/8" ADAPTOR	1	Z01-06-04-06
27.	1/2" MALE "T" PIECE	1	Z01-11-003
28.	INLINE FLOW DIVIDER	1	Z01-03-10-A7
29.	1/2" MALE x 1/2" FEMALE ADAPTOR	1	Z01-05-08-08
30.	20" ST/90 1/2" D/W HOSE	1	Z12-R2-19-S9



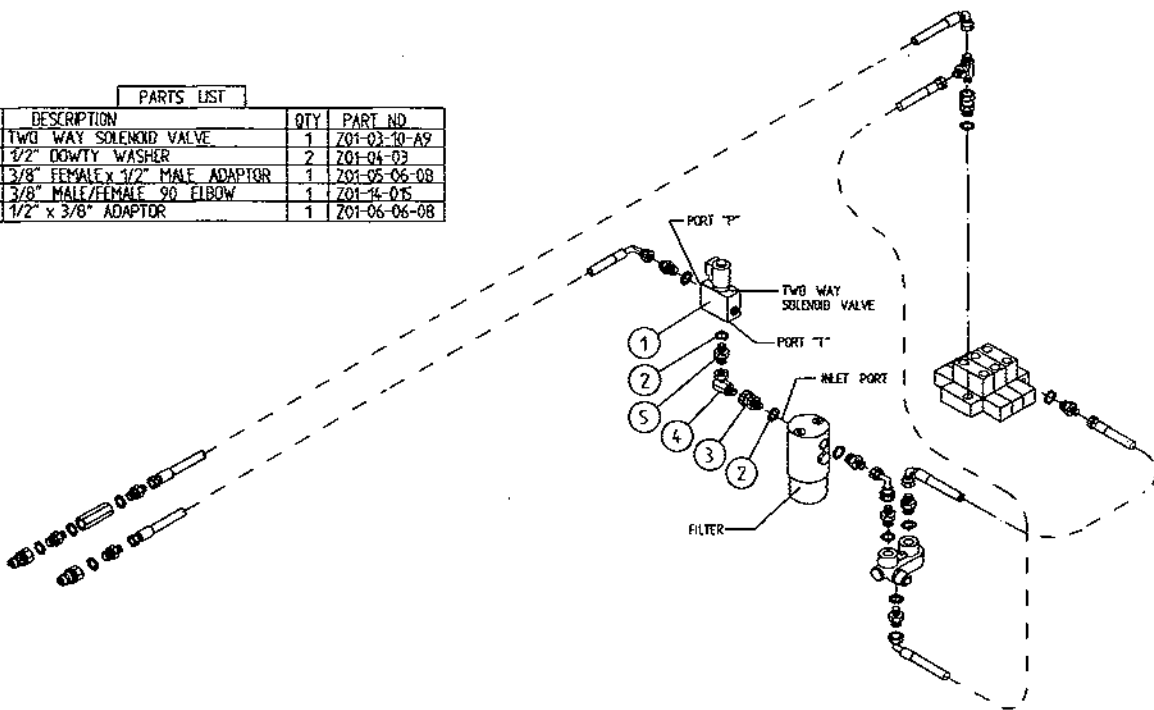
INSTRUCTIONS FOR FITTING TWO WAY SOLENOID VALVE TO TANCO AUTOWRAP MODELS 200 ARC, 1050 LRC, 1250 LRC.

REQUIRE WHEN OPERATING MACHINES ON TRACTORS WITH CLOSED CENTRE HYDRAULIC SYSTEMS.

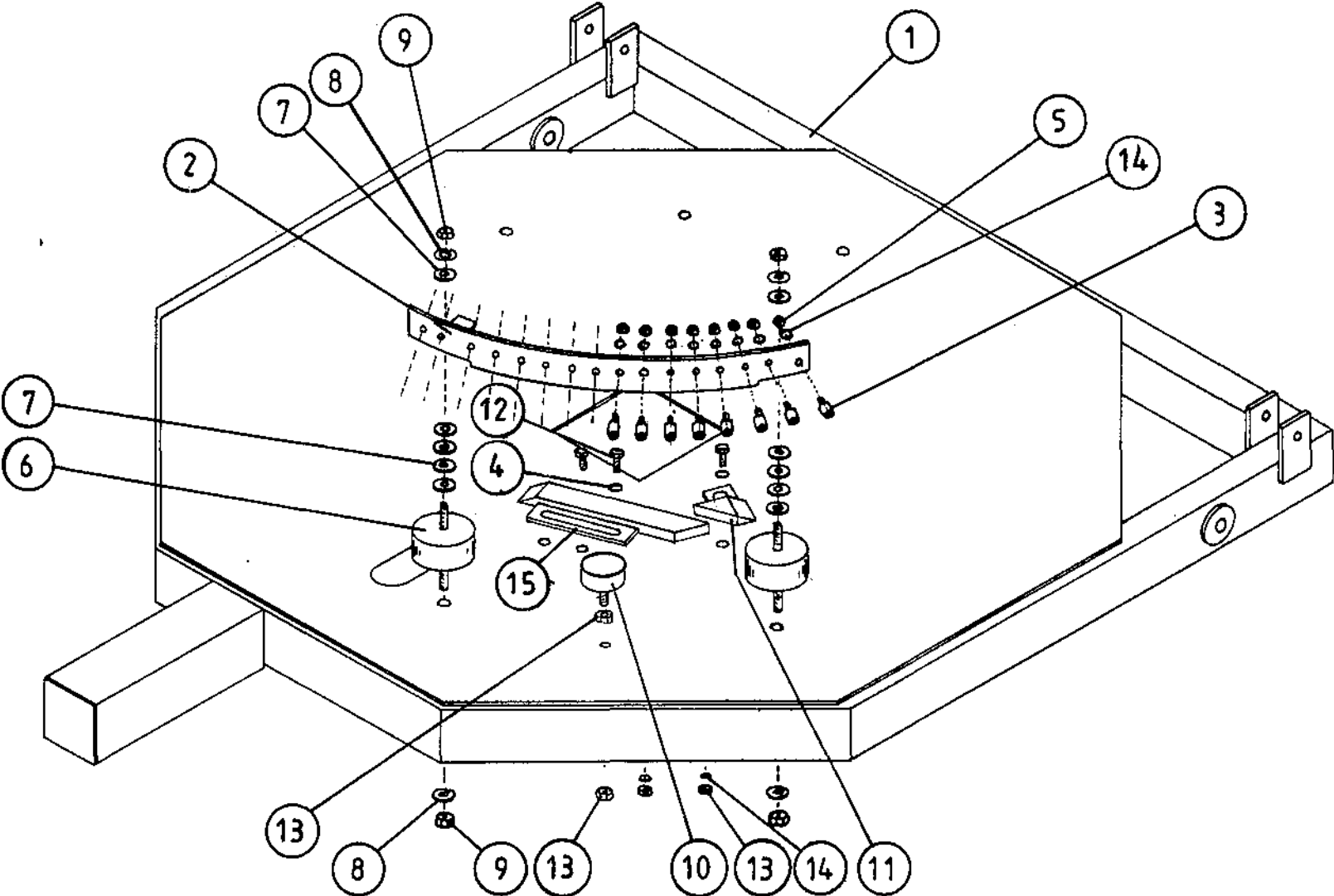
1. Disconnect S/90 hose from inlet port on oil filter.
2. Connect port "T" on solenoid valve assembly to inlet port on oil filter.
3. Reconnect St/90 hose to port "P" on solenoid valve.
4. Connect 2 pin female connector to existing 2 pin connector at junction box.
5. Ensure valve assembly does not foul any rotating parts.
6. Change the seventh controller function setting from n to j
See instruction manual for further information.

**TANCO AUTOWRAP 200ARC/1050ARC/1250ARC MODEL (1994)
TWO WAY SOLENOID VALVE KIT PART NO. Z01-03-018A**

PARTS LIST			
ITEM NO	DESCRIPTION	QTY	PART NO
1	TWO WAY SOLENOID VALVE	1	Z01-03-10-A9
2	1/2" DOWTY WASHER	2	Z01-04-03
3	3/8" FEMALE x 1/2" MALE ADAPTOR	1	Z01-05-06-08
4	3/8" MALE/FEMALE 90 ELBOW	1	Z01-14-05
5	1/2" x 3/8" ADAPTOR	1	Z01-06-06-08



TANCO AUTOWRAP 1050 MODEL 1994
INDEXING QUADRANT ASSY 75% OVERLAP WITH 750mm FILM

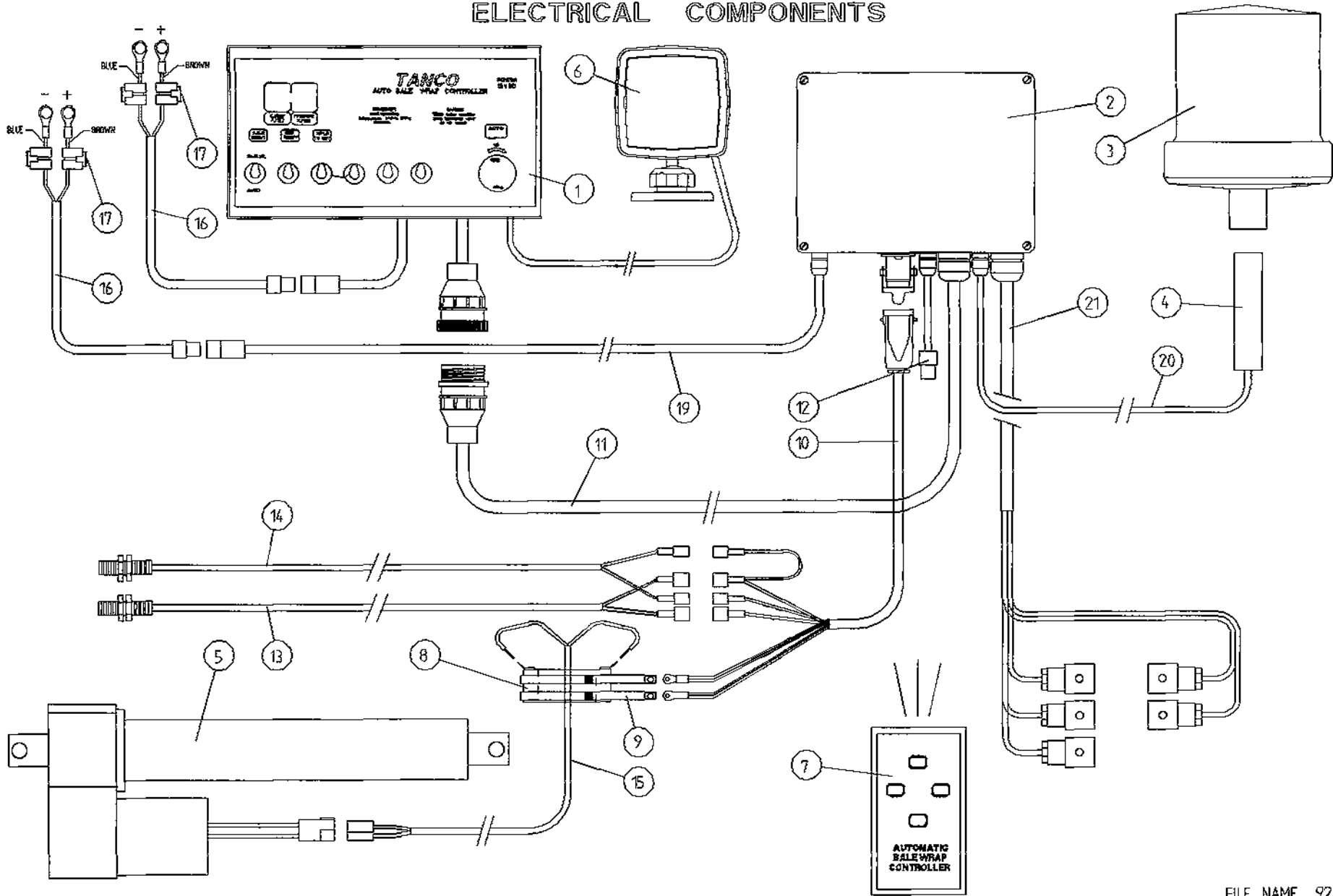


WD610-QA1

TANCO AUTOWRAP 1050S/1050A MODEL (TRAILED) 1994
INDEXING QUADRANT ASSEMBLY
75% OVERLAP WITH 750 mm WIDE FILM
PARTS LIST

ITEM NO	DESCRIPTION	QTY.	PART-NO.
1	TIPPING FRAME ASSY	1	WD60-TF
2	QUADRANT ASSY.	1	WD623-QA
3	3/4" DIA CAM FOLLOWER (HEAVY DUTY) C/W GREASE NIPPLE	16	Z06-425
4	10mm DIA FLAT WASHERS	3	Z11-02-10
5	3/8" UNF LOCKNUTS (BINX)	16	Z20-06
6	RUBBER BUFFER 100mm DIA x 40mm LONG	2	Z40-22
7	16mm DIA FLAT WASHERS	10	Z10-02-16
8	16mm DIA SPRING WASHERS	4	Z12-02-16
9	M16 HEX NUT	4	Z18-16
10	RUBBER BUFFER 50mm DIA x 25mm LONG	1	Z40-23
11	CAM ASSY. (SHORT)	1	WD623-CAS
12	M10 HEX HD SET x 30mm LONG	3	Z26-062S
13	M10 HEX NUT	5	Z18-10
14	10mm DIA SPRING WASHER	19	Z12-02-10
15	CAM ASSY. (LONG)	1	WD623-CAL

TANCO AUTOWRAP 200ARC/1050LRC/1250LRC MODELS (1994) ELECTRICAL COMPONENTS



9227E

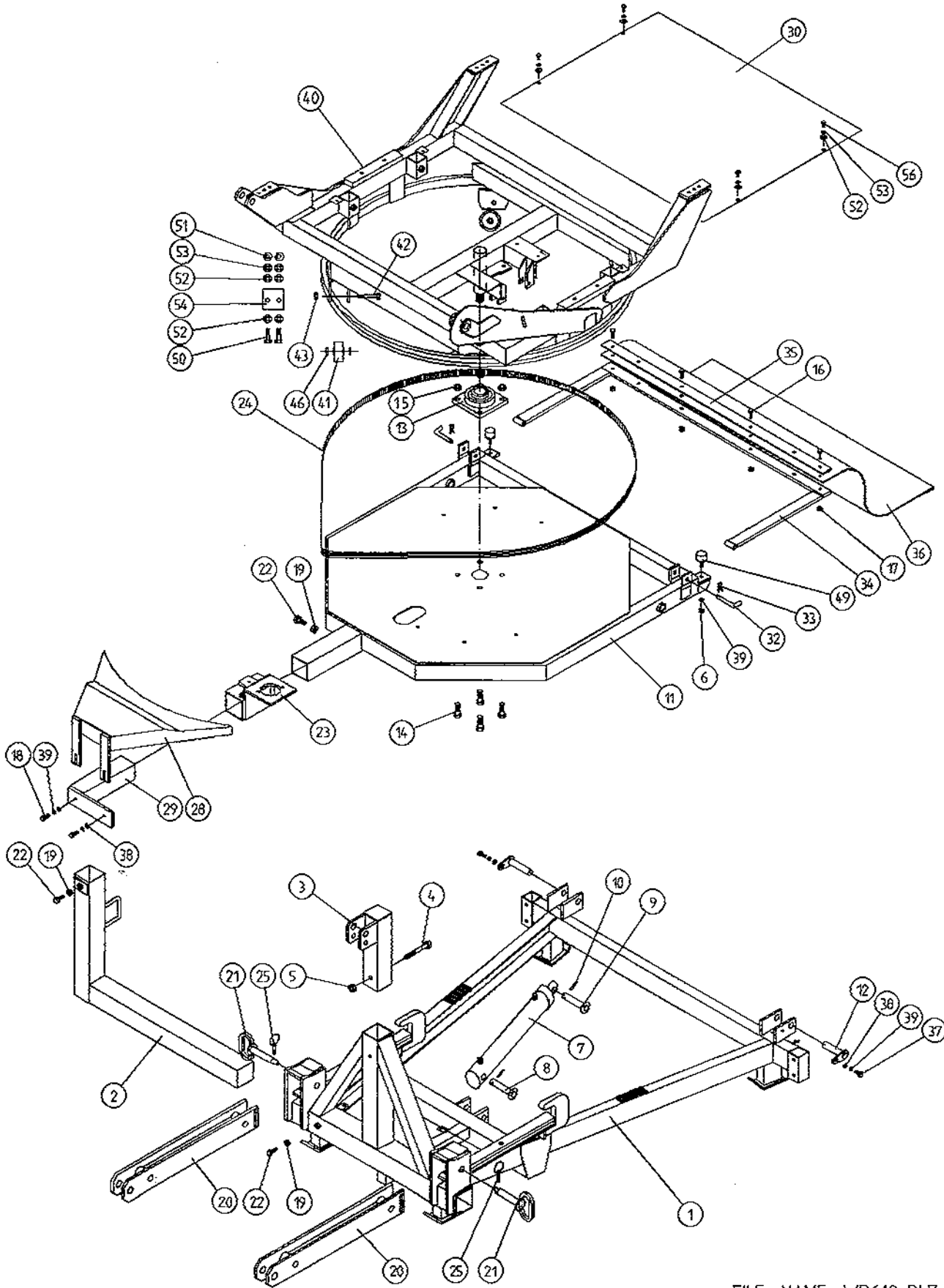
TANCO AUTOWRAP 200ARC/1050LRC/1250LRC MODELS 1994

ELECTRICAL COMPONENTS

PARTS LIST.

ITEM NO.	DESCRIPTION	QTY.	PART-NO.
1.	CONTROL BOX	1	D606
2.	JUNCTION BOX (2 BANK VALVE)	1	ZDG-JB2
3.	ROTATING BEACON	1	Z05-18
4.	STEM	1	Z05-181
5.	WARNER LINEAR ACTUATOR	1	ZD605-510
6.	RECEIVER	1	D6071
7.	INFRA RED REMOTE CONTROL TRANSMITTER	1	D6072
8.	SLIP RING ASSY.	1	ZD605-308
9.	BRUSHES	1	ZD605-302
10.	7 CORE CABLE C/W HEARTING PLUG	1	D605-7C
11.	24 CORE INTER CONNECTING LEAD C/W CONNECTORS	1	D605-24C
12.	SYSTEM PRESSURE LEAD	1	ZD606-070
13.	ROTATING SENSOR	1	ZD606-RS
14.	TIP SENSOR	1	ZD606-TS
15.	TWO CORE CABLE FOR SLIP RING	1	D605-02C
16.	MAIN BATTERY LEAD	2	ZD606-030
17.	IN-LINE FUSE	3	ZD606-100
18.	MAIN BATTERY LEAD FOR JUNCTION BOX	1	ZD606-040
19.	MAIN LEAD FOR JUNCTION BOX	1	ZD606-050
20.	ROTATING BEACON LEAD	1	ZD606-090
21.	LOOM FOR VALVE C/W HIRSCHMAN	1	ZD606-080

TANCO AUTOWRAP 1050L/1050LRC MODEL (1994) MAIN ASSEMBLY

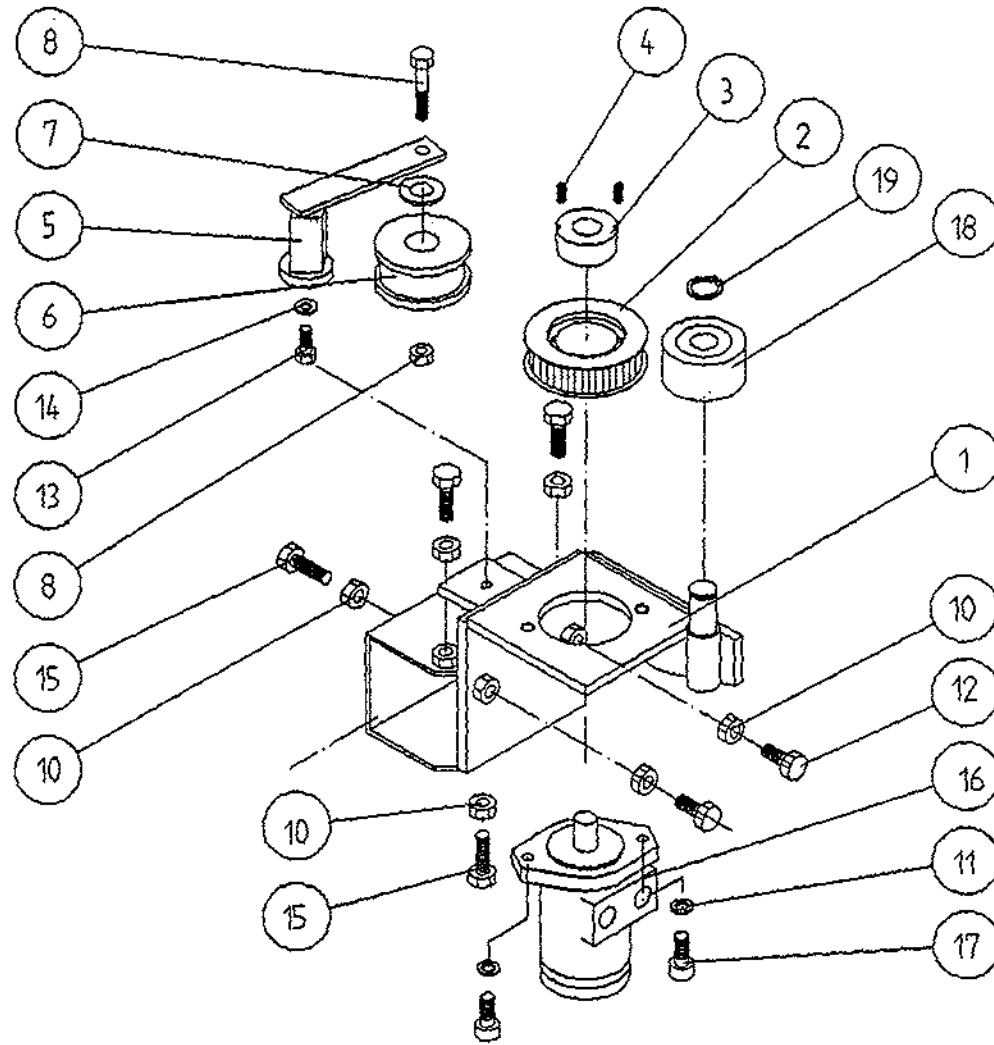


FILE NAME WD610-PL7

TANCO AUTOWRAP 1050/1050 LRC (1994)
MAIN ASSEMBLY.

ITEM NO.	DESCRIPTION	QTY	PART-NO.
1.	3PT LINKAGE FRAME ASSEMBLY	1	WD63-MF
2.	DISPENSER BRACKET LOWER SUPPORT	1	WD63-DMLH
3.	TOP LINK BRACKET ASSY	1	WD63-TLB
4.	M16 HEX HD BOLT X 120MM LONG	1	Z26-134B
5.	M16 LOCKNUT	1	Z23-16
6.	M10 HEX NUT	2	Z18-10
7.	HYD. RAM	1	Z01-01-AR687
8.	RAM BOTTOM PIVOT PIN	1	Z03-02-330
9.	RAM TOP PIVOT PIN	1	Z03-03-50
10.	2" X 1/4" SPLIT PIN	2	Z03-21-29
11.	TIPPING FRAME ASSY	1	WD60-TF
12.	TIPPING FRAME PIVOT PIN C/W GREASE NIPPLE	2	Z03-01-905 Z39-60
13.	2" DIA FLANGE BEARING	1	Z06-49EC
14.	5/8" UNF HEX HS. SET X 2" LONG	4	Z30B-064
15.	5/8" UNF LOCKNUT	4	Z20-10
16.	M8 HEX HD SET X 25MM LONG	4	Z26-040S
17.	M8 LOCKNUT	4	Z23-08
18.	M10 HEX HD SET X 30MM LONG	2	Z26-062S
19.	M12 HEX NUT	2	Z18-12
20.	LOWER LINK EXTENSION	2	WD610-LLE
21.	RETAINING PIN	2	Z03-01-532
22.	M12 HEX HD STS X 30MM LONG	4	Z26-082S
23.	HYD. MOTOR MOUNTING ASSY	1	WD60-HMB
24.	170" LONG X 1/2" PITCH X 1" WIDE TOOTHED BELT	1	Z05-02-AW2
25.	8MM (5/16") DIA LINCH PIN	2	Z03-22-04
28.	HYD. MOTOR GUARD ASSY	1	WD60-HMG
29.	HYDRAULIC MOTOR GUARD MOUNTING BRACKET	1	WD60-HAMB
30.	TURN TABLE COVER PLATE	1	WD60-093
32.	BISSEL PIN	2	Z03-22-AW100
33.	4MM "R" CLIP	2	Z36-02
34.	RUBBER MAT MOUNTING ASSY	1	WD63-MMF
35.	CLAMPING PLATE	1	WD63-1300
36.	BALE MAT	1	Z05-02AM
38.	10MM DIA MACHINED FLAT WASHER	2	Z11-02-10
39.	10MM DIA SPRING WASHER	5	Z12-02-10
40.	TURNTABLE ASSY	1	WD610-TA
41.	SUPPORT WHEELS (4" DIA)	4	Z06-466
42.	AXLE ASSY C/W GREASE NIPPLE	4	Z03-22-AW
43.	M20 LOCKNUTS	4	Z23-20
46.	SPACER	8	Z18-12
49.	BUFFER 50MM DIA X 40MM LONG	2	Z40-20
50.	M8 HEX HD SET X 20MM LONG	4	Z26-039S
51.	M8 HEX NUT	4	Z18-08
52.	8MM DIA SPRING WASHER (MUD FLAP)	8	Z11-02-081
53.	8MM DIA SPRING WASHER	8	Z11-02-08
54.	SCRAPER	2	WD60-705
56.	M8 CHEESE HD. SET X 20MM LONG	4	Z13-19-08-20

TANCO AUTOWRAP 1994 MODEL HYDRAULIC MOTOR DRIVE ASSEMBLY



FILE NAME: WD60 - PL27

WD60-PL27

TANCO AUTOWRAP 1994 MODEL
HYDRAULIC MOTOR DRIVE ASSEMBLY

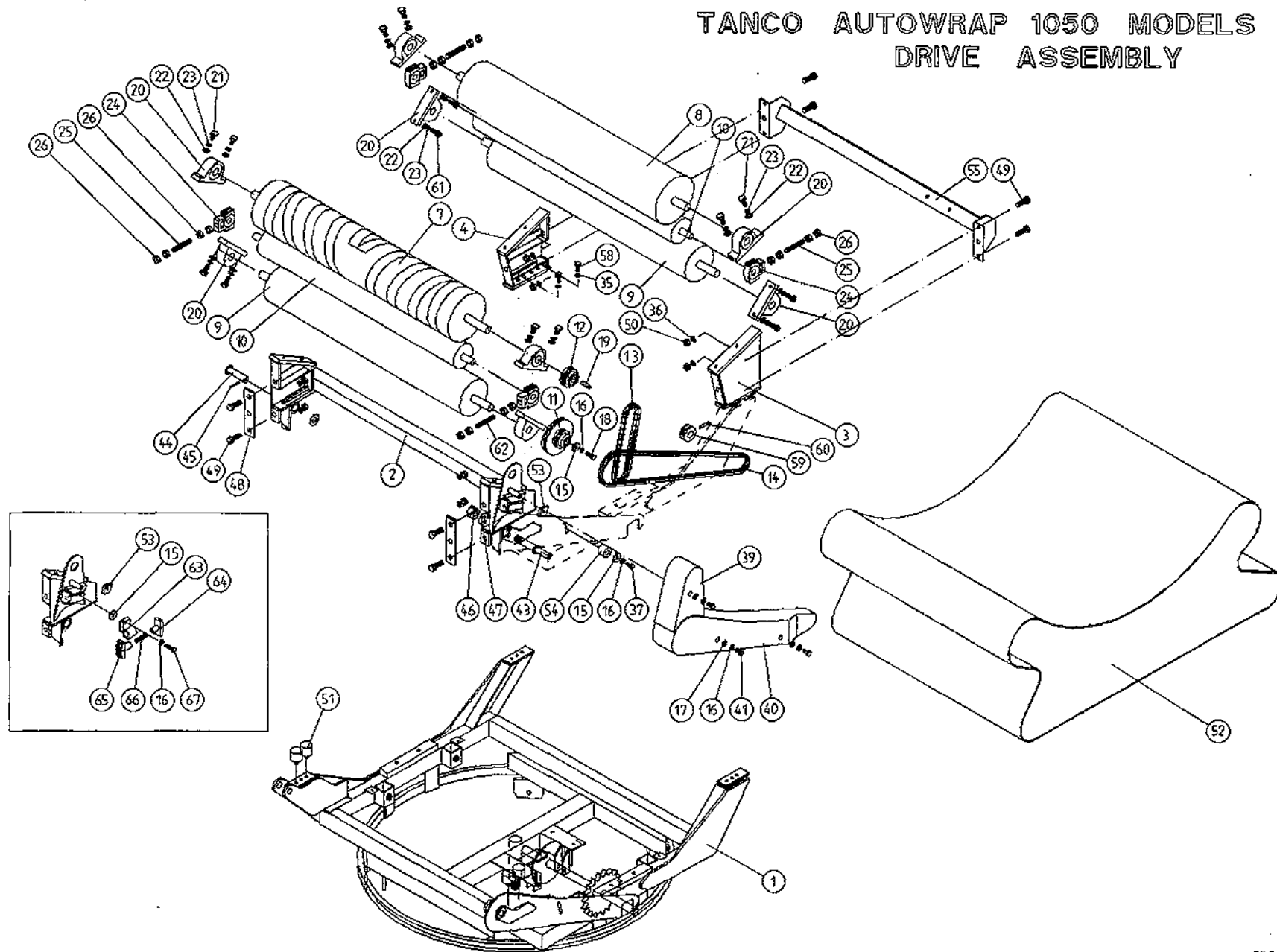
PARTS LIST

ITEM NO.	DESCRIPTION	QTY.	PART-NO.
1.	HYDRAULIC MOTOR MOUNTING ASSY.	1	WD65-HMB
2.	4" DIA X 1/2" PITCH TOOTHED PULLY	1	Z09-005-AW1
3.	TAPER LOCK BUSH TO SUIT 1" DIA SHAFT	1	Z09-005-AW2
4.	M10 STUDS X 15MM	2	Z28-01
5.	ROSTA TENSIONING UNIT ARM	1	Z06-454
6.	STEPPED ROLLER C/W BEARINGS	1	Z06-456
7.	SPACER	1	WD60-798
8.	M10 HEX HD BOLT X 60MM LONG	1	Z26-067B
9.	M10 LOCKNUT	1	Z23-10
10.	M12 HEX NUT	6	Z18-12
11.	12MM DIA SPRING WASHER	2	Z12-02-12
12.	M12 HEX HD SET X 30MM LONG	2	Z26-082S
13.	M10 HEX HD SET X 25MM LONG (TUFLOCK)	1	Z26-061S
14.	10MM DIA SPRING WASHER	1	Z12-02-10
15.	M12 HEX HD SET X 40MM LONG	6	Z26-084S
16.	HYDRAULIC MOTOR C.L.	1	Z01-02-AR75
17.	M12 SOCKET HD SCREW X 30MM LONG	2	Z13-6-12X30
18.	ROLLER C/W BEARINGS	1	Z06-457
19.	CIRCLIP	1	Z28-525

TANCO AUTOWRAP 1050 MODELSDRIVE ASSEMBLYPARTS LIST

ITEM NO.	DESCRIPTION	QTY	PART-NO.
1.	TURNTABLE ASSY.	1	WD610-TA
2.	ROLLER MOUNTING BRACKET (SWIVEL)	1	WD610-RMS
3.	ROLLER MOUNTING BRACKET (FIXED)	1	WD610-RM1
4.	ROLLER MOUNTING BRACKET (FIXED)	1	WD610-RM2
7.	BIG ROLLER ASSY (DRIVE)	1	WD610-DRA
8.	BIG ROLLER ASSY (IDLER)	1	WD610-BRI
9.	ROLLER ASSY (IDLER)	2	WD65-BRI
10.	TRACKING ROLLER ASSY (LONG)	2	WD610-TRL
11.	38 TOOTH x 19 TOOTH x 1/2" PITCH DOUBLE DUPLEX SPROCKET TO SUIT 08B-2 CHAIN	1	Z06-D610-1938
12.	19 TOOTH X 1/2" PITCH DUPLEX SPROCKET TO SUIT 08B-2 CHAIN	1	Z06-D610-19
13.	CHAIN 08B-2 1/2" PITCH DUPLEX X 63 PITCHES INCL. JOINER	1	Z09-AW-10
14.	CHAIN 08B-2 1/2" PITCH DUPLEX X 156 PITCHES INCL. JOINER.	1	Z09-AW-20
15.	RETAINING COLLAR	2	WD623-071
16.	10mm DIA SPRING WASHER	6	Z12-02-10
17.	10mm DIA FLAT WASHER	5	Z10-02-10
18.	M10 HEX HD SET x 30mm LONG	1	Z26-062S
19.	5/16" KEY STEEL x 32mm LONG	1	WD623-K32
20.	1 1/4" PILLOW BLOCK BEARING	8	Z06-485
21.	M14 HEX HD SET x 45mm LONG	4	Z26-103S
22.	14mm DIA FLAT WASHER	24	Z11-02-14
23.	14mm DIA SPRING WASHER	24	Z12-02-14
24.	SLIDING BEARING STI	4	Z06-47ST
25.	M20 THREADED BAR x 135mm LONG	3	WD610-77
26.	M20 HEX NUTS	16	Z18-20
35.	12mm DIA. SPRING WASHER	12	Z12-02-12
36.	12mm DIA. FLAT WASHER	12	Z11-02-10
37.	M10 HEX HD BOLT x 60mm LONG	1	Z26-066B
38.	M10 HEX HD BOLT x 80mm LONG	1	Z26-069IB
39.	CHAIN GUARD (SMALL)	1	WD610-CGS
40.	CHAIN GUARD (LARGE)	1	WD610-CGL
41.	M10 HEX HD SET X 25MM LONG (TUFLOCK)	3	Z26-061S
43.	SPROCKET/BRACKET PIVOT SHAFT	1	WD610-71
44.	SWIVEL BRACKET PIVOT PIN J-50	1	Z03-03-50
45.	2" X 1/4" SPLIT PIN	1	Z03-21-29
46.	1" DIA UNC LOCKNUT	1	Z23-251
47.	1" H/D FLAT WASHER	2	Z10-02-25
48.	RETAINING PLATE	2	WD610-30
49.	M12 HEX HD SETS X 35MM	8	Z26-083S
50.	M12 HEX NUTS	10	Z18-12
51.	BUFFER 50MM DIA X 42MM LONG	4	Z40-235
52.	BALE BELT 1130MM WIDE X 4470MM LONG	1	Z05-02AWV1-93
53.	LOCKING PLATE	2	WD623-060

TANCO AUTOWRAP 1050 MODELS (1994) DRIVE ASSEMBLY



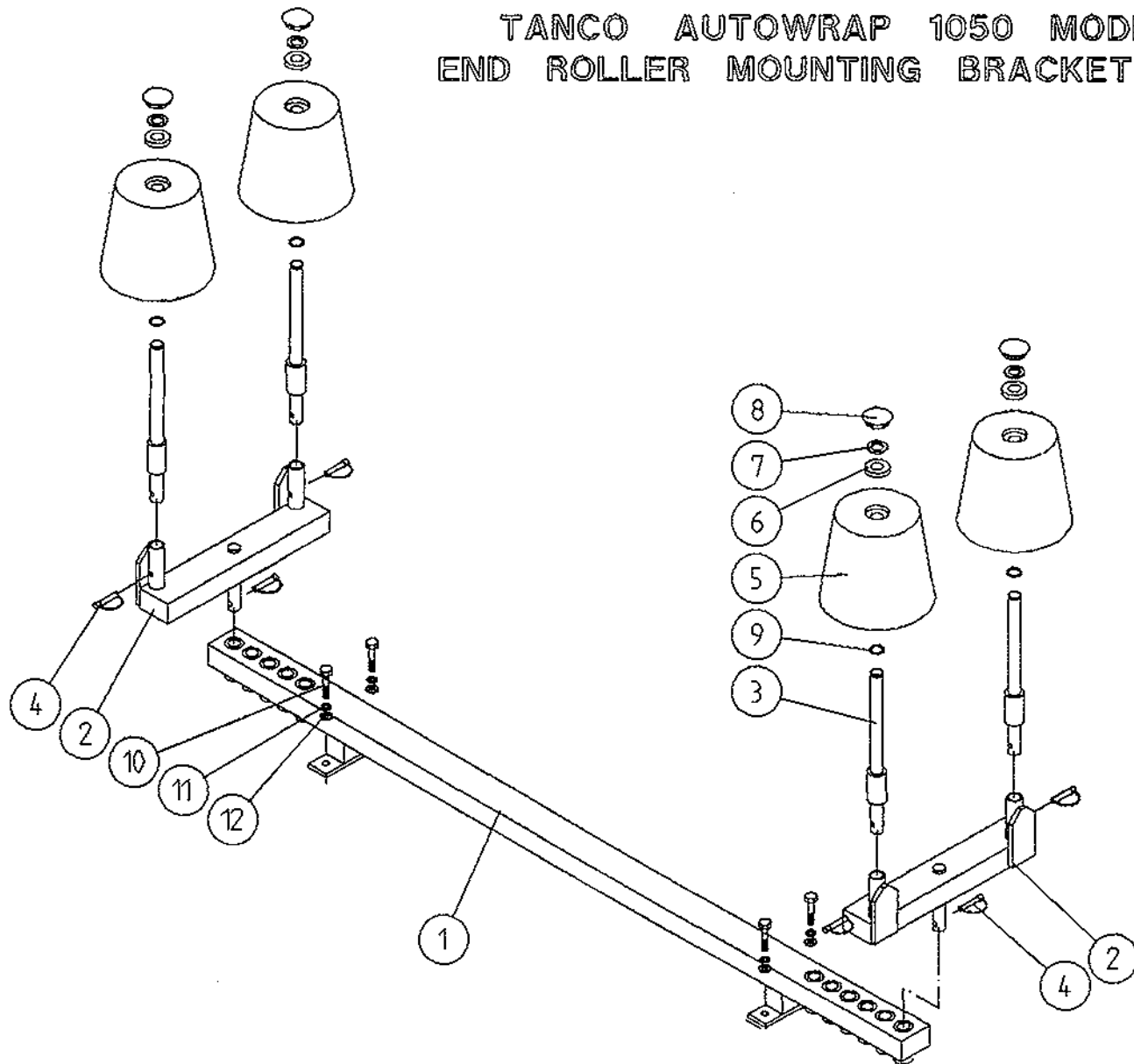
TANCO AUTOWRAP 1050 MODELS

DRIVE ASSEMBLY

PARTS LIST

54.	CHAIN TENSIONER ROLLER	1	WD65-CT
55.	CUT AND START MOUNTING FRAME	1	WD610-CSM
57.	M14 HEX NUTS	8	Z18-14
58.	M12 HEX HD SETS X 25MM LONG	4	Z26-081S
59.	15 TOOTH X 1/2" PITCH DUPLEX SPROCKET	1	Z06-AW125
60.	5/6" DIA X 45MM LONG TENSION PIN	1	Z03-20-022
61.	M14 HEX HD SET X 50MM LONG	14	Z26-104S
62.	M20 THREADED BAR x 105 mm LONG	1	WD610-113
63.	CHAIN TENSIONER BODY	1	WD610-CT
64.	CHAIN TENSIONER BLOCK ASSY INNER	1	WD610-TB1
65.	CHAIN TENSIONER BLOCK ASSY OUTER	1	WD610-TBO
66.	SPRING 14.5MM O.D. X 1.6MM WIRE X 60MM LONG	1	Z07-48
67.	M10 HEX HD SET X 40MM LONG	1	Z26-064S

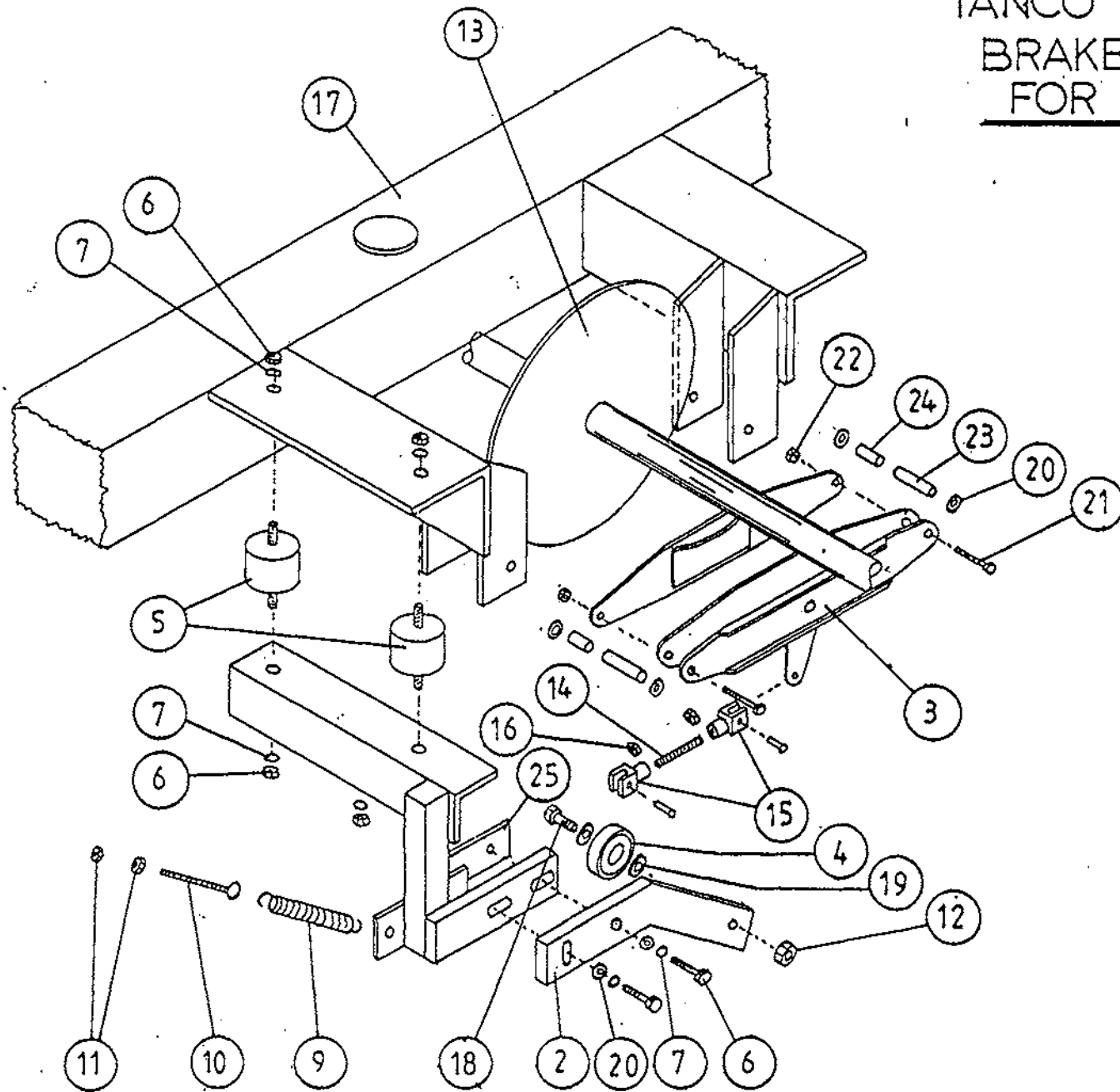
TANCO AUTOWRAP 1050 MODELS
END ROLLER MOUNTING BRACKET ASSY.



TANCO AUTOWRAP 1050 MODELSEND ROLLER MOUNTING BRACKET ASSYPARTS LIST

ITEM NO	DESCRIPTION	QTY	PART-NO.
1.	CROSS BEAM ASSY	1	WD610-CBA
2.	END ROLLER MOUNTING BRACKET	2	WD610-RMB
3.	END ROLLER SHAFT ASSY	4	WD610-RSA
4.	10mm DIA "D" LINCH PIN	6	Z38-03
5.	SIDE ROLLER	4	Z06-AWR
6.	BEARING 25mm I.D.	4	Z06-AWRB-93
7.	THRUST WASHER	4	WD60-292
8.	PLASTIC CAP	4	Z06-AWRC
9.	CIRCLIP	4	Z28-525
10.	M12 HEX HD SET x 30mm LONG	4	Z26-082S
11.	12mm DIA SPRING WASHER	4	Z12-02-12
12.	12mm DIA FLAT WASHER	4	Z11-02-10

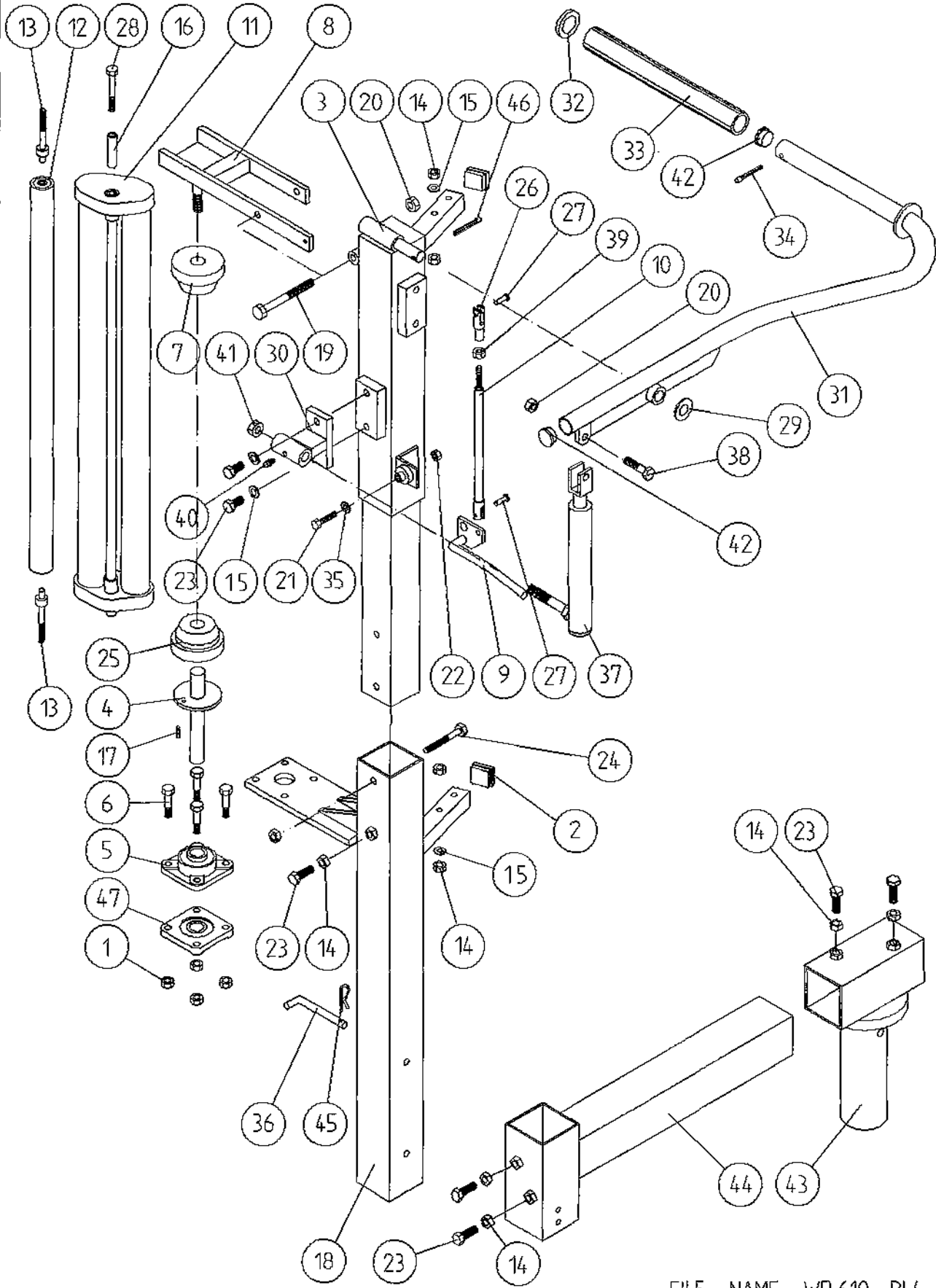
TANCO AUTOWRAP 1994
BRAKE ARRANGEMENT
FOR INDEXING SHAFT



**TANCO AUTOWRAP 1994
BRAKE ARRANGEMENT FOR INDEXING SHAFT
PARTS LIST**

ITEM NO	DESCRIPTION	QTY	PART-NO
1.	CAM FOLLOWER MOUNTING BRACKET (UPPER)	1	WD60-CFMB
2.	CAM FOLLOWER MOUNTING BRACKET (LOWER)	1	WD60-804
3.	CALIPER DISC BRAKE UNIT	1	Z49-92
4.	BALL BEARING (6301)	1	Z49-92
5.	RUBBER BUFFER 50MM DIA X 30 LONG TYPE A	2	Z40-21
6.	M10 HEX NUTS	4	Z18-10
7.	10MM DIA SPRING WASHERS	6	Z12-02-10
8.	M10 HEX HD SET X 40 LONG	2	Z26-064S
9.	TENSION SPRING	1	Z07-05
10.	EYE BOLT (M8)	1	WD60-EB
11.	M8 HEX NUTS	2	Z18-08
12.	M12 LOCKNUT	1	Z23-12
13.	SPROCKET/SHAFT ASSY	1	WD65-SPR
14.	5/16" UNF THREADED BAR X 90MM LONG	1	WD60-806
15.	5/16" UNF CLEVIS C/W PIN & CLIP	2	Z49-33
16.	5/16" UNF HEX NUT	2	Z15-05
17.	TURN TABLE	1	WD60-TA
18.	M12 HEX HD SETS X 40MM LONG	1	Z26-084S
19.	12MM DIA FLAT WASHER	2	Z11-02-12
20.	10MM DIA FLAT WASHER	7	Z11-02-10
21.	3/8" UNF HEX HD SET X 3" LONG	2	Z31B-102
22.	3/8" UN FLOCK NUT	2	Z15-06
23.	SPACER 1/2" O.D. X 13/32 I.D. X 1 1/2" LONG	2	Z49-92-01
24.	SPACER 1/2" O.D. X 13/32" I.D. X 1/2" LONG	2	Z49-92-02
25.	CLAMPING PLATE		WD60-836

TANCO AUTOWRAP 1050 LRC MODEL 1994 FILM DISPENSER SYSTEM



FILE NAME WD 610 - PL4

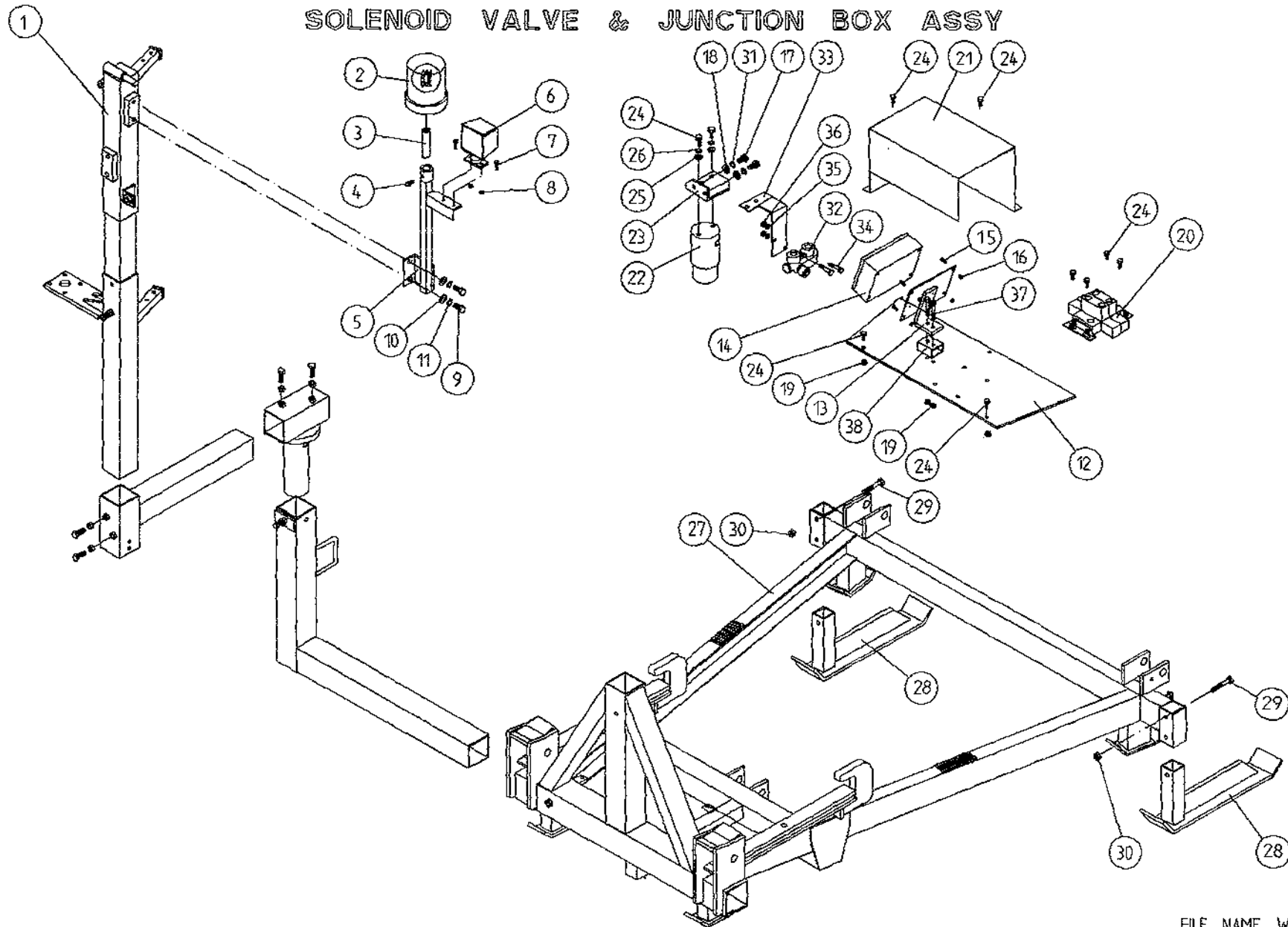
WD610-PL4

TANCO AUTOWRAP 1050 LRC MODEL (3PT LINKAGE 1994)
FILM DISPENSING SYSTEM

PARTS LIST

ITEM NO.	DESCRIPTION	QTY	PART-NO.
1.	M10 LOCKNUTS	4	Z23-10
2.	PLASTIC CAPS (TO SUIT 40 X 40 X 3 RHS)	2	Z32-07
3.	DISPENSING MOUNTING (UPPER)	1	WD60-DMUH
4.	FILM SPOOL ASSEMBLY	1	WD60-SPO
5.	1" DIA FLANGE BEARING C/W CAM LOCK	1	Z06-48EC
6.	M10 HEX HD BOLT X 50MM LONG	4	Z26-066B
7.	CONE (TOP) C/W BALL BEARINGS	1	Z06-45-01
8.	CLAMP ASSEMBLY	1	WD60-DMCA
9.	LEVER ASSEMBLY	1	WD60-DMLA
10.	LINK ASSEMBLY	1	WD60-DMLK
11.	FILM DISPENSING UNIT MK8 (55% STRETCH)	1	D6151
12.	SLAVE ROLLER ASSY (PLASTIC COATED)	1	WD65-SLR
13.	SLAVE ROLLER PIVOT	2	WD60-253
14.	M12 HEX NUTS	9	Z18-12
15.	12MM DIA SPRING WASHER	2	Z12-02-12
15.	SLEEVE	1	
17.	1/4" DIA TENSION PIN X 3/4' LONG	1	Z03-20-062
18.	DISPENSER MOUNTING (LOWER)	1	WD60-DMLH
19.	M12 HEX HD BOLT X 130MM LONG	1	Z26-094B
20.	M12 LOCKNUT	3	Z23-12
21.	M8 HEX HD BOLT X 35MM LONG	1	Z26-042S
22.	M8 LOCKNUT	1	Z23-08
23.	M12 HEX HD SET X 30MM LONG	7	Z26-082S
24.	M12 HEX HD BOLT X 100MM LONG	1	Z26-092B
25.	CONE (BOTTOM)	1	Z06-45-02
26.	CLEVIS (M10)	1	Z49-335
27.	PIN (5/16" DIA) C/W CLIP	2	Z49-337
28.	M10 HEX HD BOLT X 80MM LONG	1	Z26-0691B
29.	3/4" DIA FLAT WASHER	1	Z10-02-19
30.	FILM PULL DOWN BRACKET ASSY	1	WD65-FPDB
31.	FILM PULL DOWN ARM ASSY	1	WD65-FPDA
32.	RETAINING WASHER	1	WD60-859
33.	ROLLER	1	WD60-866
34.	2" X 1/4" SPLIT PIN	1	Z01-23-29
35.	8MM DIA MUD FLAP WASHER	1	Z11-02-081
36.	BISSEL PIN X 110M LONG	1	WD60-874
37.	HYDRAULIC RAM	1	Z01-01-AW25
38.	M12 HEX HD SET X 50MM LONG	1	Z26-086S
39.	5/16" UNF HEX NUT	1	Z15-05
40.	1/8" BSP ST. GREASE NIPPLE	1	Z39-60
41.	M16 LOCKNUT	1	Z23-16
42.	1" GB PLASTIC CAP	2	Z32-14
43.	ROTARY SOCKET ASSY	1	WD610-DRS
44.	DISPENSER MAST VERTICAL SOCKET ASSY	1	WD610-DVS
45.	4MM "R" CLIP	1	Z36-02
46.	1 1/2" X 3/16" DIA SPLIT PIN	1	Z03-21-14
47.	1" DIA FLANGE BEARING	1	Z06-48

TANCO AUTOWRAP 1050 LRC MODEL
SOLENOID VALVE & JUNCTION BOX ASSY



TANCO AUTOWRAP 1050 LRC (1994)
SOLENOID VALVE & JUNCTION BOX ASSY

PARTS LIST

ITEM NO.	DESCRIPTION	QTY.	PART-NO.
1.	FILM MAST ASSEMBLY	1	
2.	ROTATING BEACON	1	Z05-18
3.	STEM C/W CABLE	1	Z05-18
4.	M8 X 10MM GRUB SCREW	1	Z28-008
5.	BEACON MOUNTING BRACKET	1	WD63-BMB
6.	RECEIVER	1	Z05-18
7.	M6 HEX HD SET X 20MM	2	Z26-020S
8.	M6 LOCKNUT	2	Z23-06
9.	M12 HEX HD BOLT X 30MM	2	Z26-082S
10.	12MM DIA FLAT WASHER	2	Z12-02-12
11.	12MM DIA SPRING WASHER	2	Z10-02-12
12.	SOLENOID VALVE MOUNTING PLATE	1	WD63-1027
13.	JUNCTION BOX MOUNTING BRACKET	1	WD63-JBM
14.	JUNCTION BOX	1	ZD6-JB2
15.	M4 ALLEN HD SOCKET SCREW X 16MM	4	Z26-006
16.	M4 LOCKNUT	4	Z23-04
17.	M10 HEX HD SET X 25MM	2	Z26S-061S
18.	10MM DIA FLAT WASHER	2	Z10-02-10
19.	M8 LOCKNUT	8	Z23-08
20.	2 BANK SOLENOID VALVE	1	Z01-03-10-A2
21.	VALVE & JUNCTION BOX COVER	1	WD63-VJC
22.	FILTER	1	Z01-24-08
23.	FILTER MOUNTING BRACKET	1	WD63-1053
24.	M8 HEX HD SET X 25MM	8	Z26-040S
25.	8MM DIA FLAT WASHER	2	Z10-02-08
26.	8MM DIA SPRING WASHER	2	Z12-02-08
27.	3PT LINKAGE FRAME	1	WD610-LF
28.	STABILISING LEG ASSY	2	WD63-SLA
29.	M12 HEX HD BOLT X 80MM	2	Z26-0901B
30.	M12 LOCKNUTS	2	Z23-12
31.	10MM DIA SPRING WASHER	2	Z12-02-10
32.	FLOW DIVIDER	1	Z01-03-10-A6
33.	FLOW DIVIDER MOUNTING BRACKET	1	WD65-FDM
34.	M6 ALLEN HD SOCKET SCREW X 50MM	2	Z13-020-50
35.	6MM DIA MUD FLAP WASHER	2	Z11-02-061
36.	M6 LOCKNUT (NYLOCK)	2	Z23-06
37.	M8 HEX HD BOLT X 65MM LONG	2	Z26-048B
38.	PACKER (JUNCTION BOX)	1	WD612-034

FAULT FINDING

PROBLEMS.

1. Drive Belt Slipping on Drive. Tension belt with Automatic tension set to 25 - 30 degrees - see page 8. Check belt is correct pitch if it has been replaced.

2. Drive belt breaking and bottom or Top Rim coming off motor sprocket. Check that cross line relief valve is working on motor. Check motor mount for alignment. Reduce tension on Drive Belt. Check there is no vertical movement of turntable spindle - if so tighten bearing locking screws on spindle and ensure that collar is secure on spindle below bearing.

3. Film Breaking Wash off dispenser and slave rollers Change roll of film. Use recommended films only.

4. Film not wrapping evenly on bale. Adjust film mast so centre of film roll is aligned with centre of bale .

5. Film Tearing on Ramp. Check for sharp edges and remove.

6. Bale Skidding on Ramp. Fit Hessian Bag or piece of carpet to Ramp.

7. Film Dispenser not Pre-Stretching Film. Check that both Rollers turn when one is turned by hand. If not, fit new gears or replace unit.

8. Tyres coming off 4" platform Support Wheels. Replace Wheels - Reduce speed below 25 r.p.m. - Do not oil or grease path of wheels on platform.

FAULT FINDING

PROBLEMS

9. MAIN BELT MOVING SIDeways

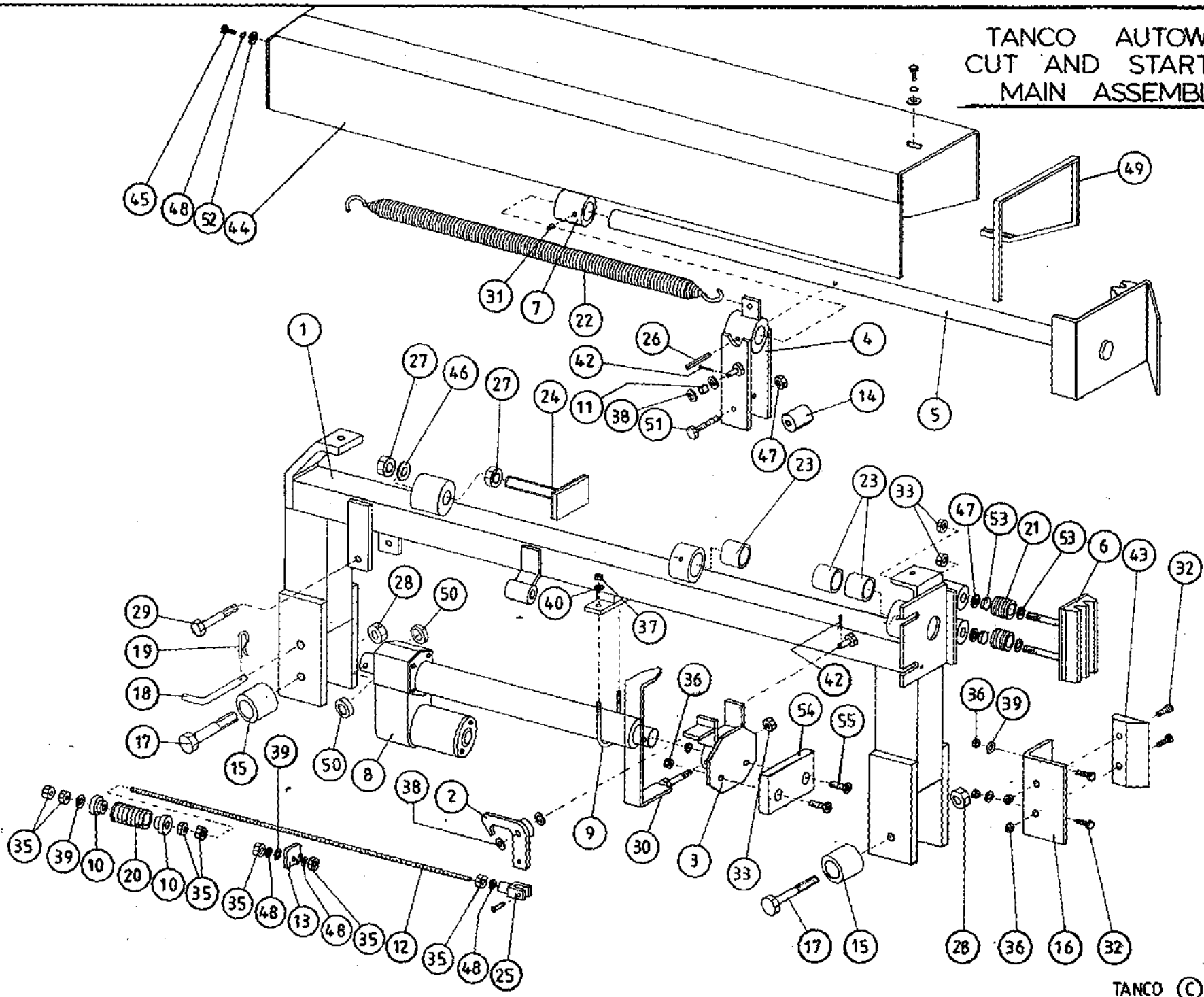
- (i) Ensure vertical rollers (plastic) are tight on the bale. Remember that the bale will reduce in size during wrapping and, on the round bales in particular, the corners will become rounded so that the bale will tend to move sideways due to centrifugal forces. Now, if the plastic rollers are too far apart, the bale will move against one of the plastic rollers whilst the belt will move in the opposite direction - so adjust the vertical plastic rollers so that they keep the bale central on the belt.
- (ii) Adjust bale stop on lift arm so that bale is loaded centrally onto platform.
- (iii) Check that both 6' rollers underneath the bale belt are running parallel to each other. Remember the golden rule - a belt will always move up a slope, so if the rollers are not parallel to each other then the belt will move to the widest setting.

NOTE:

It is important to adjust the idler roller only, as movement of the drive roller will entail adjusting the chain tension also. It is important to note if the belt moves to the same side all of the time, or if it moves first to the gearbox side and then to the other side. With the round bale wrapper, the belt will tend to move to the same side each time because the bale is always loaded the same way.

- (iv) Check that belt is the same measurement each side by running a string around the belt and measuring it. If one side is longer than the other replace the belt but if both sides are same measurement and all above adjustments fail, the try removing the belt and fitting it round the opposite way.

TANCO AUTOWRAP
 CUT AND START UNIT (1994)
 MAIN ASSEMBLY

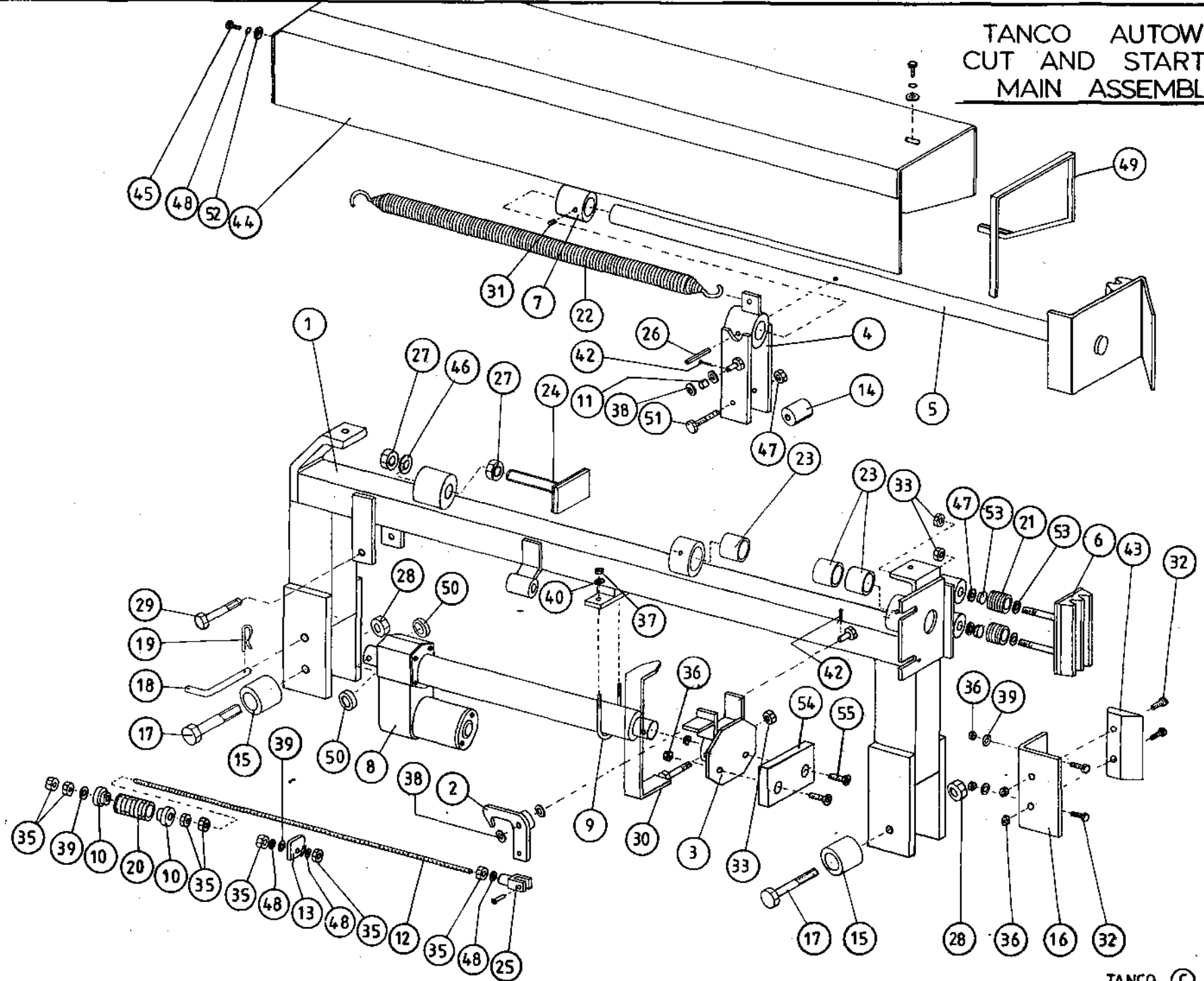


AUTOWRAP

**TANCO AUTOWRAP
CUT AND START UNIT (1994)
PARTS LIST**

ITEM NO	DESCRIPTION	QTY	PART-NO.
1.	MAIN MOUNTING FRAME ASSY	1	WD605-MF
2.	LATCH ASSY.	1	WD605-LA
3.	PUSH PLATE ASSY.	1	WD605-PP
4.	GUIDE ASSY	1	WD605-GD
5.	PLUNGER ASSY	1	WD605-PL
6.	FILM GRIPPER ASSY	1	WD605-FG
7.	PLUNGER END CAP	1	WD605-90
8.	WARNER LINEAR ACTUATOR D11 10B5 08	1	ZD605-510
9.	"U" BOLT	1	WD605-45
10.	STEPPED COLLAR	2	WD605-46
11.	SLEEVE 1/2" DIA O.D. X 13/32" DIA I.D.	1	WD605-47
12.	THREADED ROUND 5/16" UNF	1	WD605-48
13.	TRIGGER	1	WD605-50
14.	COLLAR 1" DIA BRIGHT RD. X 41.5MM LONG	1	WD605-51
15.	SPACER	1	WD605-100
16.	BLADE GUARD/MOUNTING BRACKET	1	WD605-105
17.	M12 HEX HD BOLT X 80MM LONG	2	Z26-0901B
18.	BISSEL PIN	1	Z03-22-AW100
19.	4MM "R" CLIP	1	Z36-02
20.	SPRING 16MM O.D. X 1.5MM WIRE X 48MM LONG	1	Z07-34
21.	SPRING 1.09" O.D. X 0.092" WIRE X 1.54" LONG	2	Z07-44
22.	SPRING 1.125 O.D. X 0.125" WIRE X 330MM	1	Z07-46
23.	OILITE OIL RETAINING BUSH 1 1/8" O.D. X 3/4" X 1" L.	3	Z06-105
24.	RUBBER BUFFER ASSY.	1	WD605-BA
25.	CLEVIS C/W PIN	1	Z49-33
26.	1 1/2" X 1/4" DIA TENSION PIN	1	Z03-20-07
27.	M16 HEX NUTS	2	Z18-16
28.	M12 LOCKNUTS	2	Z23-12
29.	M12 HEX HD BOLT X 65MM	1	Z26-0882B
30.	INDICATOR ASSY	1	WD605-PR
31.	M8 GRUB SCREW	1	Z28-008
32.	M8 HEX HD SET X 25MM	4	Z26-040S
33.	M12 BINX LOCKNUT	4	Z23-12BX
35.	5/16" UNF HEX NUT	7	Z15-05
36.	M8 LOCKNUT	9	Z18-08
37.	M6 LOCKNUT (NYLOCK)	2	Z23-06
38.	10MM DIA FLAT WASHER	10	Z11-02-10
39.	8MM DIA FLAT WASHER	5	Z11-02-08
40.	6MM DIA FLAT WASHER	2	Z11-02-06
42.	3MM DIA SPLIT PIN	2	Z03-21-02
43.	BLADE	1	WD605-104
44.	MAIN GUARD	1	WD605-MG
45.	M8 HEX HD SET X 20MM LONG	2	Z26-039S
46.	10MM DIA SPRING WASHER	2	Z12-02-10
47.	12MM DIA FLAT WASHER	2	Z11-02-12
48.	8M DIA SPRING WASHER	9	Z12-02-08
49.	EDGING STRIP	1	Z44-12
50.	SPACER 1" O.D. X 1/2" I.D. X 6MM LONG	2	WD605-65

TANCO AUTOWRAP
CUT AND START UNIT (1994)
MAIN ASSEMBLY

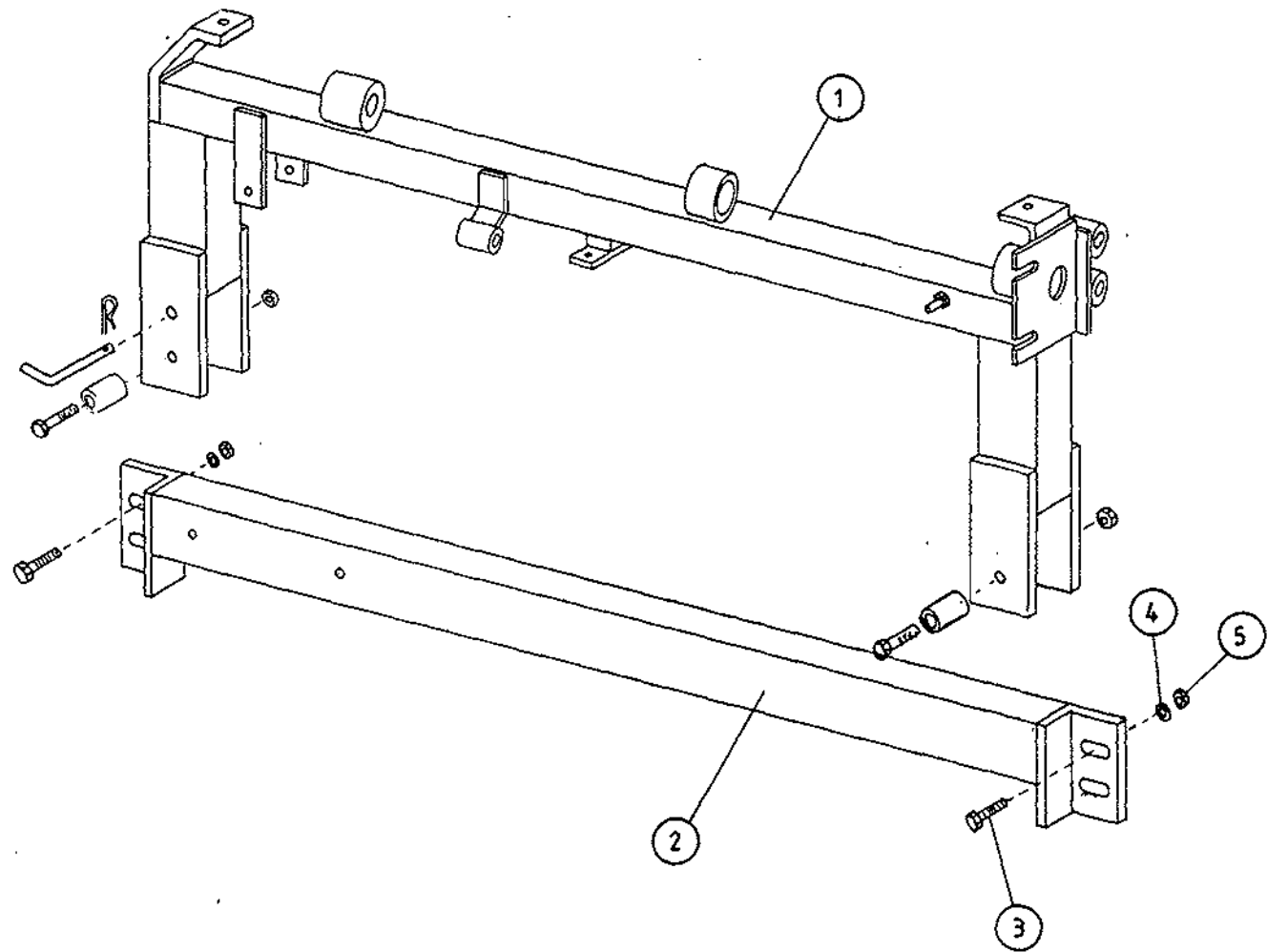


AUTOWRAP

**TANCO AUTOWRAP
CUT AND START UNIT (199)
PARTS LIST**

ITEM NO	DESCRIPTION	QTY	PART-NO.
51.	M10 HEX HDSET X 20MM	2	Z26-060S
52.	8MM DIA FLAT WASHER 1" O.D.	4	Z11-02-081
53.	25MM O.D. X 12MM I.D. FILM GRIP WASHER	4	Z11-02-12FG
54.	PACKER	1	WD605-133
55.	H8 X 40 COUNTER SUNK BOLT	2	Z13-5-08X40

TANCO AUTOWRAP CUT AND START (1994)
MOUNTING FRAME



WD605-MF

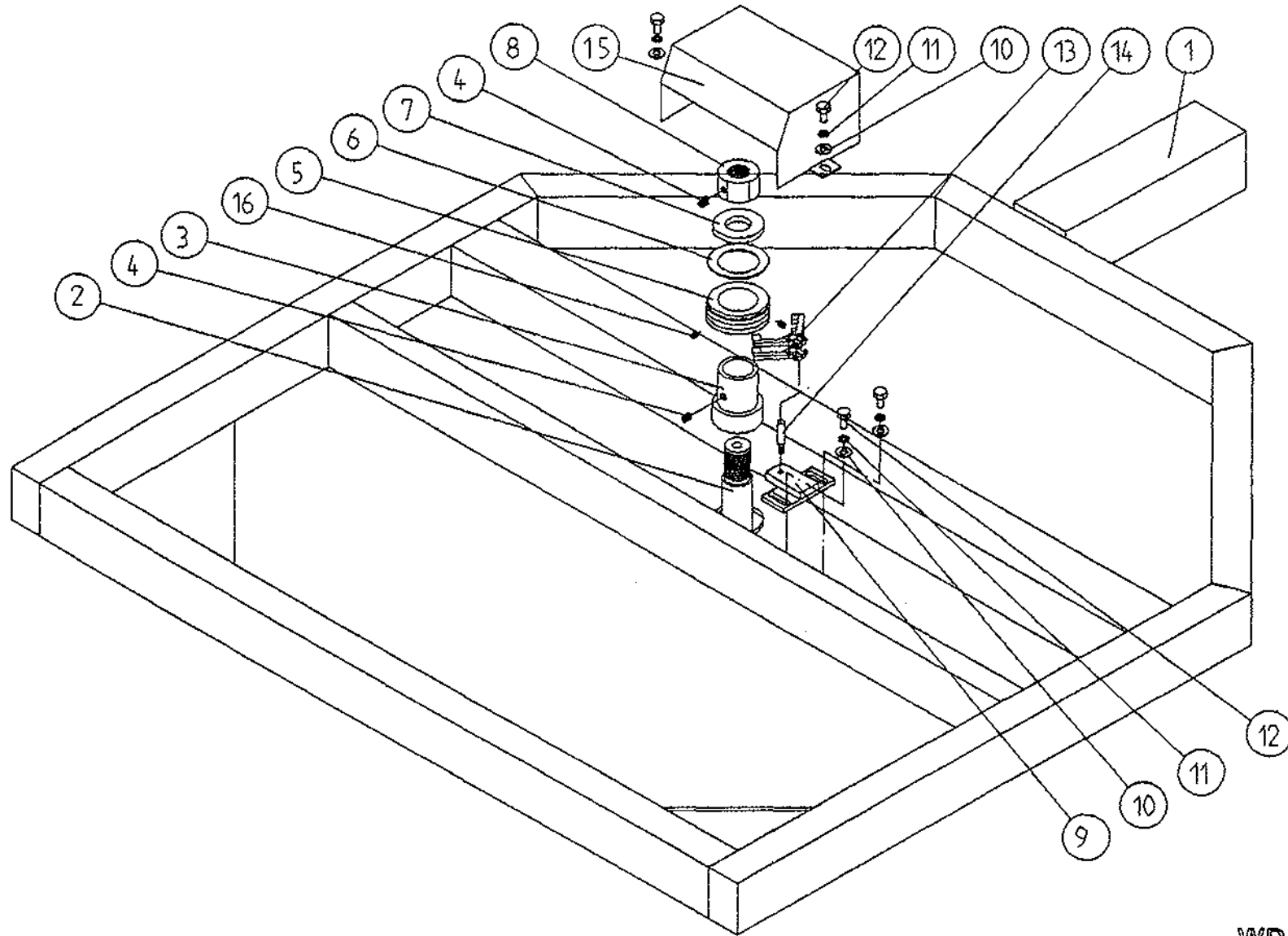
TANCO AUTOWRAP CUT AND START UNIT (1994)

MOUNTING FRAME

PARTS LIST

ITEM NO	DESCRIPTION	QTY	PART-NO
1.	MAIN MOUNTING FRAME ASSY	1	WD605-MF
2.	MAIN FRAME MOUNTING	1	WD605-MFM
3.	M10 HEX HD SET x 30mm LONG	2	Z26-062S
4.	10mm DIA SPRING WASHER	2	Z12-02-10
5.	M10 HEX NUT	2	Z18-10

TANCO AUTOWRAP - CUT AND START UNIT (1994)
SLIP RING ASSEMBLY



WD 605 - PL2

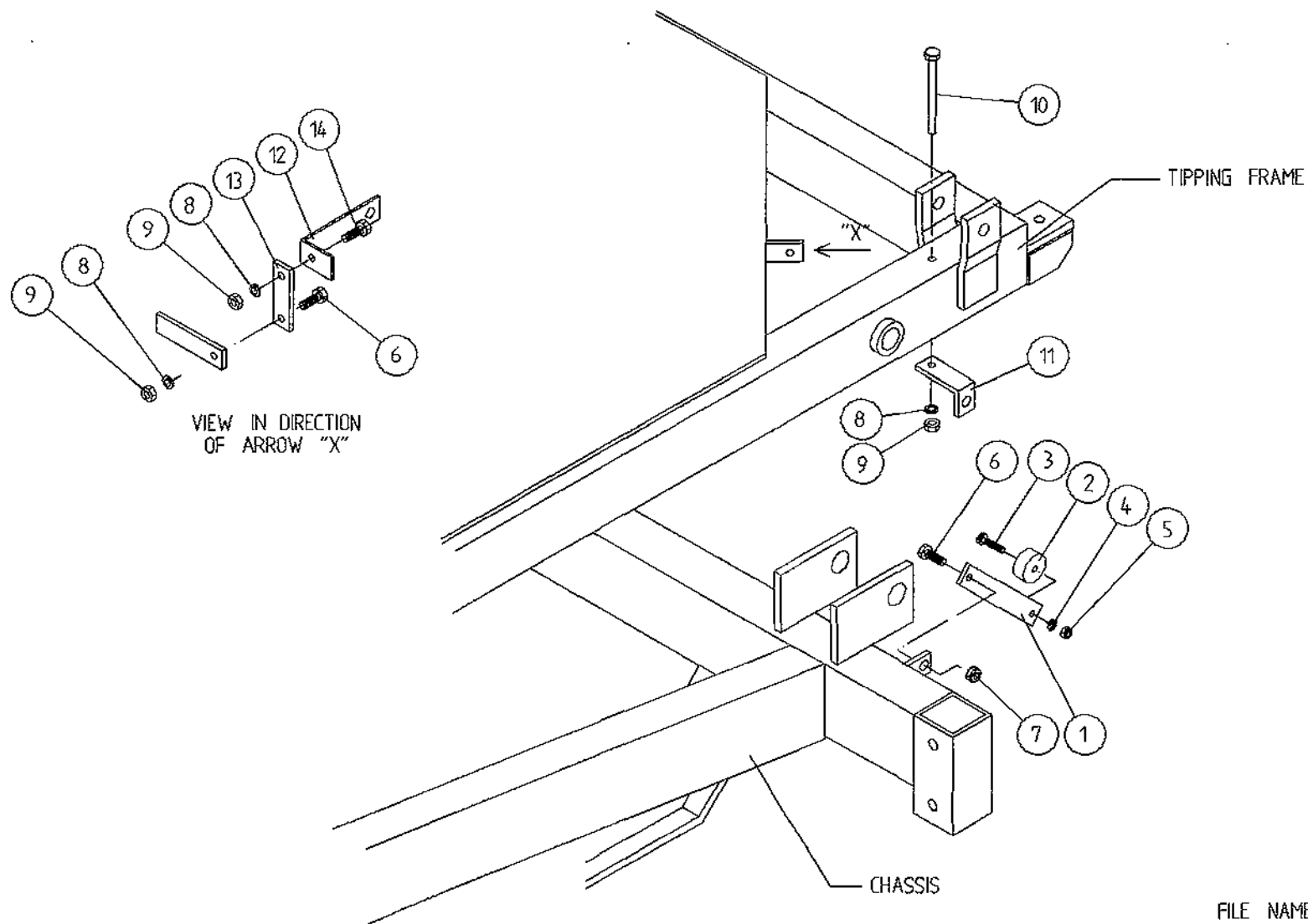
WD605-PL2

TANCO AUTOWRAP CUT AND START UNIT (1994)
SLIP RING ASSY.

PARTS LIST

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>PART-NO.</u>
1.	UNDERSIDE OF TIPPING FRAME	1	
2.	TURNTABLE CENTRE SHAFT	1	WD60-768
3.	SLIP RING MOUNTING SLEEVE	1	WD60-825
4.	M8 GRUB SCREW x 6 mm LONG	2	Z28-007
5.	SLIP RING ASSY.	1	ZD605-308
6.	INSULATING RING	1	ZD605-350
7.	LOCKING COLLAR	1	WD60-770
8.	1 1/4" UNC HEX NUT	1	Z18-300
9.	SLIP RING MOUNTING BRACKET ASSY	1	WD605-SRMB
10.	10mm DIA FLAT WASHER 1" O.D.	4	Z11-02-101
11.	10mm SPRING WASHER	4	Z12-02-10
12.	M10 HEX HD SET x 20mm	4	Z26-060S
13.	BRUSHES	2	ZD605-306
14.	INSULATOR SLEEVE	1	ZD605-302
15.	SLIP RING GUARD ASSY	1	WD605-SRG
16.	M5 GRUB SCREW	2	Z28-005

TANCO AUTOWRAP
CUT AND START UNIT
SENSOR & MAGNET MOUNTING BRACKETS



WD605-PL5

TANCO AUTOWRAP CUT AND START UNIT 1994

SENSOR AND MAGNET MOUNTING BRACKETS

PARTS LIST

ITEM NO.	DESCRIPTION	QTY.	PART-NO.
1.	MAGNET MOUNTING BRACKET	1	WD605-57
2.	MAGNET	1	D6043
3.	M6 HEX HD SET x 30mm LONG	1	Z26-022S
4.	6mm DIA FLAT WASHER	1	Z11-02-06
5.	M6 LOCKNUT	1	Z23-06
6.	M8 HEX HD SET x 25mm LONG	2	Z26-040S
7.	M8 LOCKNUT (NYLOCK)	1	Z23-08
8.	8mm DIA SPRING WASHER	3	Z12-02-08
9.	M8 HEX NUT	3	Z18-08
10.	M8 HEX HD SET x 100mm LONG	1	Z26-057S
11.	SENSOR MOUNTING BRACKET	1	WD605-58
12.	ROTATE SENSOR MOUNTING BRACKET	1	WD605-140
13.	MOUNTING FLAT	1	WD605-07
14.	M8 HEX HD SET x 20mm LONG	1	Z26-020S

TANCO AUTOWRAP

Cut and start
Fault Finding Summary.

This summary is to be read in conjunction with operators handbook.

Note: It has been found that most faults can be attributed to a bad power supply. Therefore it is essential that power supply be taken directly from battery terminals, ensuring correct polarity. Operating voltage is 10V D.C. (under load) to 13.5V D.C.

Problem

Proposed Remedy

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| (1) Bale Wrap monitor does not power on. | (a) Check polarity on connections to battery terminals.

(b) Check fuse, in bale wrap controller. |
| (2) Plunger does not come out after 2 revolutions of turntable. | (a) Ensure that left hand top switch is in auto mode.

(b) Check operation in manual mode to ensure that plunger travels in and out. If the plunger does not travel in and out, check all connections from six pin plug, through slip ring to linear actuator. |
| (2)(i) Buzzer sound continuously "bleep", "bleep" and bale wrap monitor does not count above 2 revs. | (c) check voltage while operating in manual mode. This voltage should be no lower than 10V D.C. (under load). Also check connections on battery terminals.

(d) Check that bale wrap monitor is counting revolutions and if not check that turntable sensor is within 6mm of magnet on turntable.

(e) Carry out continuity check on turntable sensor, by taking reading cross pins 2 & 3 in six pin plug. |

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- (3) Plunger opens too soon and releases film.
- (a) Check setting for function (1), which indicates number of turns to activate motor. This should be 2.
- (b) Check setting for function (7), which indicates non auto reset. This should be N.
- (4) Plunger travels out but latch does not engage so plunger travels back in.
- (a) Increase setting for function (2) which indicates the number of seconds linear actuator powers out for. Setting can be changed in increments of 0.5 sec.
- (5) Plunger snaps closed after about 6 turntable revolutions. This is caused by the Linear Actuator not stopping in park position.
- (a) Reduce setting for function (4), which indicates the number of seconds required to reverse to park position. Setting can be altered in increments of 0.5 sec. In the park position there should be 5mm to 12mm clearance between cam on push plate assy and latch trigger.
- (6) Plunger opens while turntable rotates after buzzer sounds.
- (a) Check setting for function (7) which indicates non auto reset. This should be N.
- (7) When machine is tipped plunger does not close.
- (a) Check clearance between tip sensor on back of tipping frame and magnet on 5mm to 6mm.
- (b) Check that tip sensor passes magnet, if not adjust magnet position.

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(7) (Continued)

- (c) Check that latch trigger is activated by cam on push plate assy. If not adjust trigger.
- (d) Check setting for function (5) which indicates the number of seconds from tipping signal until motor is fully closed. This should be 1.5 sec.

