



1080A SQUARE AND RECTANGULAR BALE WRAPPER



1080 AUTOMATIC TWIN PACK.

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1080A TECHNICAL DETAILS.

- MAXIMUM BALE WEIGHT-----800KG
- MAXIMUM BALE LENGTH-----1.7 METRES
- LIFT ARM CAPACITY (STANDARD)-----500KG
- LIFT ARM CAPACITY (AXLE FULLY EXTENDED)-650KG
- TURNTABLE SPEED (MAXIMUM)-----25 RPM
- FILM DISPENSOR SYSTEM -----ALUMINIUM ROLLERS
- FILM SIZE-----750MM ONLY
- FILM STRETCH-----55% (STANDARD)

THE FOLLOWING BALES CAN BE WRAPPED BY TANCO 1080A

- JOHN DEERE 680.
- HESSTON -4700-4750-4755-4860.
- NEW HOLLAND-- D1000-D1010-940.
- GREENLAND-8080.
- KRONE BIG PACK 80/80.
- MENGELE 530.
- MASSY FERGUSON MF5-MF185.
- VICON MP800.
- WELGER D4000.

OPERATORS HANDBOOK AND PARTS LIST

- PART NoWD66-1080A-MO300-NT.

ELECTRONIC CONTROLLER-LYKKITRONIC'

- CONTROL BOX PART No.D606C-AS.

TRACTOR REQUIREMENTS

ELECTRICAL SUPPLY.

12 volts-connect power supply direct to tractor battery. The Pos + cable is fitted with a 20 amp fuse, always confirm the supply of voltage to the machine as any reduction below 12 volts may result in intermittent electrical faults, always ensure all electrical connections are clean.

HYDRAULIC SUPPLY.

OIL FLOW-----40 LITRES/(MIMIMUM) / 8.7 GALS/ MIM)

OIL PRESSURE-----175 BAR (2500 PSI)

OIL RETURN -----FREE FLOW RETURN.

CLOSED CENTRE HYDRAULICS (OLD JOHN DEERE TRACTORS)

IF USED ON A TRACTOR, WITH CLOSED CENTRE HYDRAULICS, IT IS NECESSARY TO FIT A TWO-WAY SOLENOID VALVE (PART No Z01-03-016A) BETWEEN THE OIL SUPPLY HOSE AND THE INLET-PORT OF THE OIL FILTER.



**NOTE: IF THE WRAPPER IS FITTED TO AN OLDER TRACTOR IT WOULD BE NECESSARY TO REPLACE THE OIL FILTER ELEMENT AT MORE REGULAR INTERVALS.
(FILTER ELEMENT PART No 201-24-08E)**

WHEN CHANGING THE WRAPPER FROM ONE TRACTOR TO ANOTHER BOTH THE ELECTRIC SUPPLY VOLTAGE AND THE HYDRAULIC SERVICE SHOULD BE CHECKED.

ALSO NOTE: TRACTOR ROAD SPEED = 40 K.P.H. (MAXIMUM)

MACHINE SETTINGS

DRAWBAR HEIGHT.

ADJUST THE DRAWBAR HEIGHT ON MOUNTING TO ENSURE THE MACHINE IS LEVEL.



LOADING ARM.

ADJUST THE BALE STOP ON THE LOAD ARM TO SUIT THE BALE LENGTH, SO THAT THE BALE WILL BE PLACED CENTRALLY ON THE TURNTABLE.

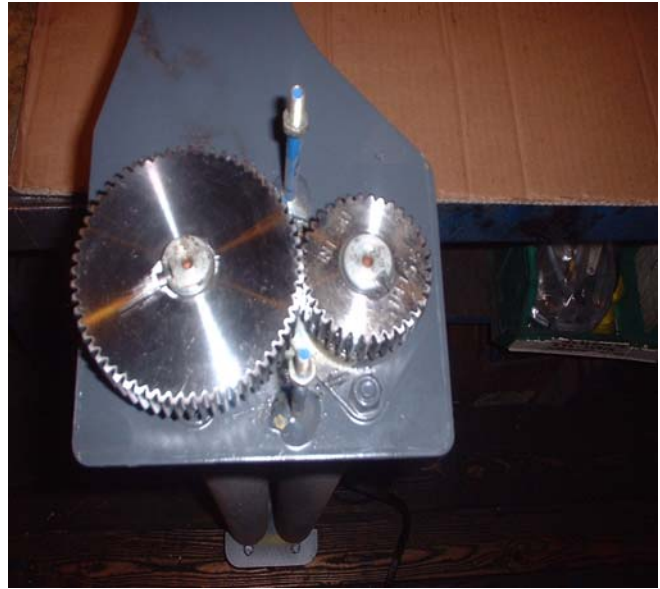
PLASTIC CONE ROLLERS

ADJUST THE FOUR PLASTIC CONE ROLLERS TO SUIT BALE LENGTH.

CONE ROLLER BEARING-----PART NO ZO6-AWRB-93



CONE ROLLERS-----PART NO ZO6-AWR



FILM MAST AND PRE- STRETCH UNIT, OR FILM DISPENSING SYSTEM.

- **ADJUST FILM MAST TO CORRECT HEIGHT, TO SUIT THE SIZE OF THE BALE.**

NOTE: WHEN WRAPPING SQUARE BALES THE FILM SHOULD 'JUST CLEAR' THE TOP ROLLERS WHEN THE TABLE IS ROTATING. WHEN WRAPPING ROUND BALES THE FILM SHOULD BE IN LINE WITH THE CENTRE OF THE BALE.

FILM

IT IS IMPORTANT THAT THE INSTRUCTION PROVIDED BY THE FILM MANUFACTURERS IS FOLLOWED AND APPLIED. MOST FILM SUPPLIERS RECOMMEND A MINIMUM OF SIX LAYERS OF FILM FOR SQUARE BALES AND IF THE DM LEVEL EXCEEDS 50%.

ALWAYS ENSURE THAT THE FILM IS THREADED CORRECTLY. THE FILM WIDTH SHOULD BE REDUCED FROM 750mm TO 580-610mm WHEN APPLIED TO THE BALE.

FILM PRE-STRETCH UNIT

THE NEW 2000 MODEL HAS 'ALUMINIUM ROLLERS'. IT ALSO HAS THE FACILITY TO CHANGE THE STRETCH FROM 55% (STANDARD) TO 70% (OPTIONAL) BY CHANGING ONE GEAR 35 TOOTH FOR A 39 TOOTH.

ADJUSTMENT IS PROVIDED IN THE FRAME TO ENABLE THE TWO GEARS TO BE FITTED.

55% PART No D617-G60 AND D617-G35 70% D617- G60 AND D617-G39

HYDRAULIC CIRCUIT & CONTROLS

THE TANCO 1080A HYDRAULIC CIRCUIT COMPRISES OF THE FOLLOWING COMPONENTS.



FEED PRESSURE & RETURN PIPES/COUPLINGS

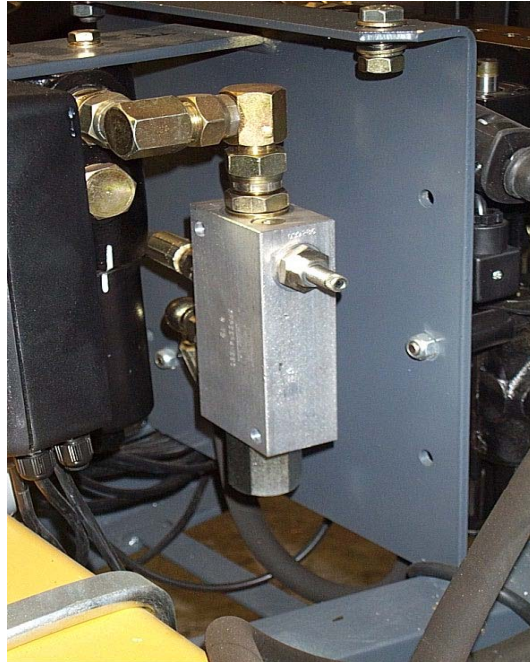
- **ENSURE QUICK RELEASE COUPLINGS ARE OPERATING CORRECTLY AND ARE NOT DAMAGED.**
- **THE 'RETURN' LINE HAS A ONE-WAY VALVE FITTED IMMEDIATELY BEHIND THE QUICK RELEASE COUPLING, MAKE SURE THAT 'HYDRAULIC RETURN' LINE TO TRACTOR HAS NONE OR MINIMUM BACK PRESSURE. ENSURE THE PRESSURE AND RETURN PIPES ARE COUPLED CORRECTLY.**
- **1/2" MALE Q/R COUPLINGS -----PART NO Z01-15-081.**
- **1/2"NON RETURN VALVE-----PART NO Z01-03-017.**
- **1/2" X 1/2" M,M, ADAPTOR-----PART NO Z01-06-08-08.**
- **1/2" DOWTY WASHER -----PART NO Z01-04-03.**
- **FEED/RETURN HOSE, 108" ST/ 90 X 1/2" DW HOSE -----PART NO Z12-R2-108-S9.**



OIL FILTER

THE OIL FILTER IS FITTED TO THE 'PRESSURE' LINE TO MINIMISE THE RISK OF CONTAMINATION FROM THE TRACTOR OIL SUPPLY.

- **THE REPLACEABLE OIL FILTER ELEMENT SHOULD BE REPLACED (NOT CLEANED) AFTER THE FIRST 25 HOURS SERVICE AND THEN AFTER EVERY 200 HOURS.**
- **FILTER ELEMENT PART NO. Z01-24-08E.**
- **THE REPLACEMENT OF THE FILTER ELEMENT IS ESPECIALLY IMPORTANT WHEN THE WRAPPER IS BEING OPERATED BY AN 'OLDER' TRACTOR.**

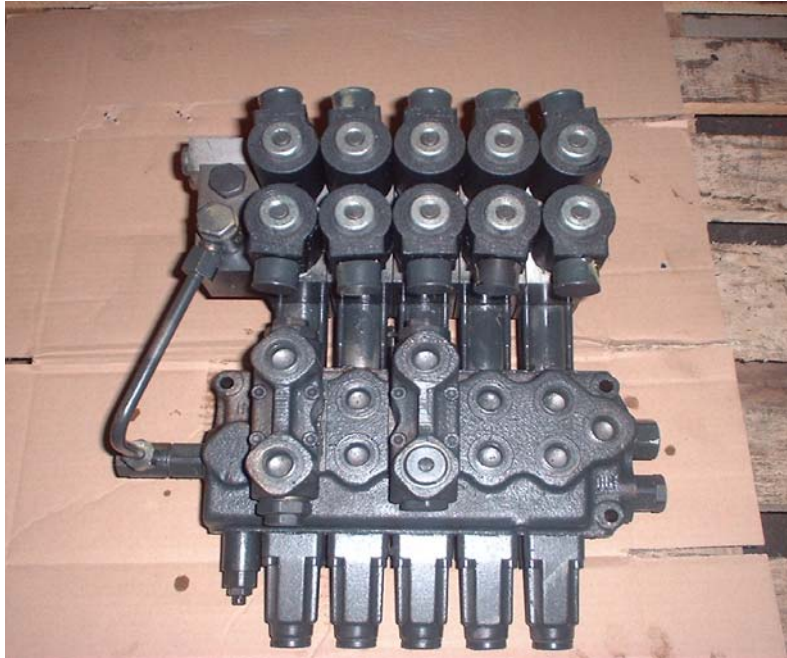


FLOW DIVIDER/CONTROLLER.

THIS PRIORITY VALVE ENSURES THAT THE HYDRAULIC MOTOR FOR THE TURNTABLE RECEIVES AN ADEQUATE SUPPLY OF OIL VIA THE 2 SPEED (FAST/SLOW) VALVE, ANY SURPLUS OIL IS DIRECTED INTO THE 5 BANK SOLENOID VALVE TO SUPPLY OTHER FUNCTION.

IF THE OIL FLOW AND PRESSURE FROM THE TRACTOR IS GOOD (40 LITRES/MIN +) THEN THE LOADING ARM CAN BE OPERATED WHEN THE TURNTABLE IS ROTATING. IF HOWEVER THE OIL FLOW IS 'LOW' CAUSING INCORRECT OPERATION OF SOME FUNCTION, IT MAY BE NECESSARY TO REDUCE THE TURNTABLE SPEED.

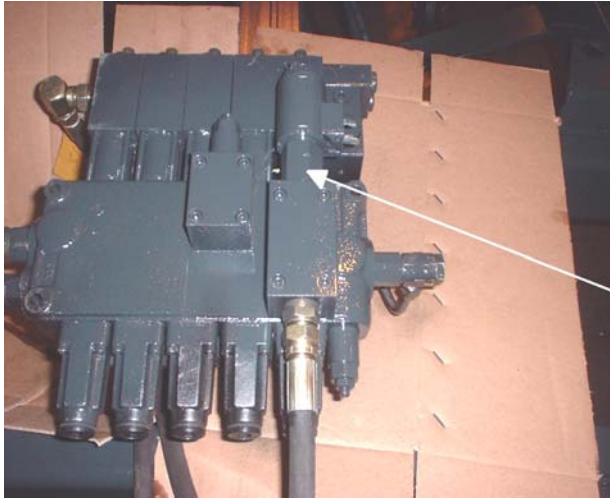
NOTE: THE SPEED OF THE TURNTABLE MUST NOT EXCEED 25RPM. FLOW DIVIDER PART NO. Z01-03-10-A7W.



**MONO BLOCK 5 BANK SOLENOID VALVE (WALVOIL)
PART NO ZOI-03-AIO70**

THIS IS A 'PILOT OPERATED' VALVE AND THEREFORE IS DESIGNED FOR RELIABLE OPERATION WHERE THE OIL FLOW CAN EXCEED 30 LITRES/MIN. IT DOES NOT SUFFER FROM THE RESTRICTION IMPOSED ON DIRECT ACTING SOLENOID VALVES WHICH TEND TO BE AFFECTED BY HIGH OIL FLOWS AND PRESSURES.

IT INCORPORATES TWO RELIEF VALVES; ONE SET AT 175 BAR AND THE OTHER AT 185 BAR. A 2-SPEED (FAST/SLOW ROTATION) SOLENOID VALVE IS FITTED AT THE REAR OF THE MAIN BODY OF THE VALVE.



2-SPEED VALVE

TWO SPEED SOLENOID VALVE

THIS IS MOUNTED AT THE REAR OF THE BANK SOLENOID VALVE AND CHANGES THE SPEED OF THE TURNTABLE FROM 'SLOW' TO 'FAST' REVOLUTIONS ON COMMENCEMENT OF THE WRAPPING CYCLE.

NOTE: IF THIS VALVE STICKS, IT WILL REMAIN IN EITHER THE FAST OR SLOW SPEED. 2-SPEED VALVE CARTRIDGE PART NO. Z01-03-AC.



LOADING ARM OVER CENTRE VALVE

THE OVER CENTRE VALVE ACTS AS A 'CHECK VALVE' BUT ALSO PROVIDES SMOOTH OPERATION OF THE LOADING ARM. NORMALLY IT IS PRE-SET AND WILL NOT REQUIRE ADJUSTMENT. IF HOWEVER THE LOADING IS VERY SLOW TO LIFT (HEAVY BALES) THE TWO VALVES CAN BE ADJUSTED.

- OVER CENTRE VALVE PART NO.Z01-03-10-A8



MAGNET AND ROTATE SENSOR
ROTATE SENSOR –PART NO,ZLY-PO6. MAGNET-PART NO, D6043

THERE ARE TWO MAGNETS ON THE TURNTABLE OF AUTOMATIC MACHINES, BECAUSE ON AUTOMATIC MODELS IT TAKES TWO PULSES OF THE MAGNET PER ONE REVOLUTION OF TURN TABLE, AT THE END OF A CYCLE THE FIRST MAGNET STOPS AT THE SENSOR FOR THE TIP FUNCTION, THEN AFTER TIPPING, IT MOVES TO THE SECOND MAGNET, WHICH IS THE LOAD POSITION, THE MAGNETS ARE SLIGHTLY ADJUSTABLE TO LINE UP THE TURNTABLE CORRECTLY, THE SENSORS ARE ALSO ADJUSTABLE.



4" SUPPORT WHEELS -----PART NO-Z06-466W.
AXLE ASSY C/W GREASE NIPPLE ----- PART NO –Z03-22-AW/AX.
SPACER -----PART NO Z18-14.



TANCO AUTOWRAP HYDRAULIC CUT & START UNIT.

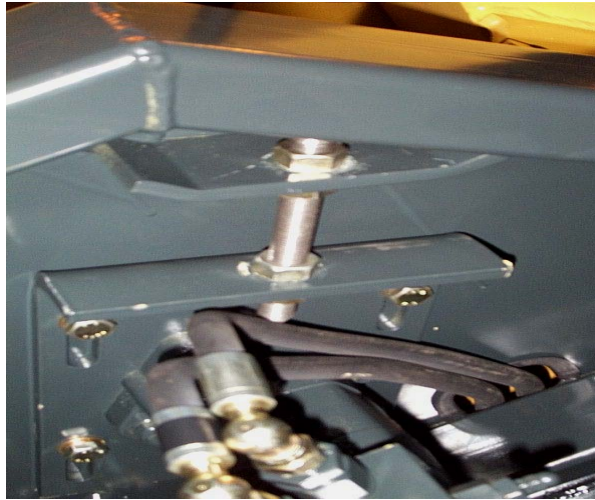
- **OIL PRESSUR 60 BAR/870 LBS.**
- **ACCUMULATOR GAS PRESSURE 30 BAR (435 PSI).**

INSTRUCTIONS FOR RECHARGING HYDRAULIC CYLINDER.

- 1. REMOVE PLUG FROM CYLINDER FRONT PORT.**
 - 2. CONNECT HOSE FROM HYDRAULIC HAND PUMP TO PORT.**
 - 3. CHARGE CYLINDER TO A PRESSURE OF 60 BAR (870PSI).**
- REMOVE HOSE FROM FRONT PORT AND REFIT PLUG.**

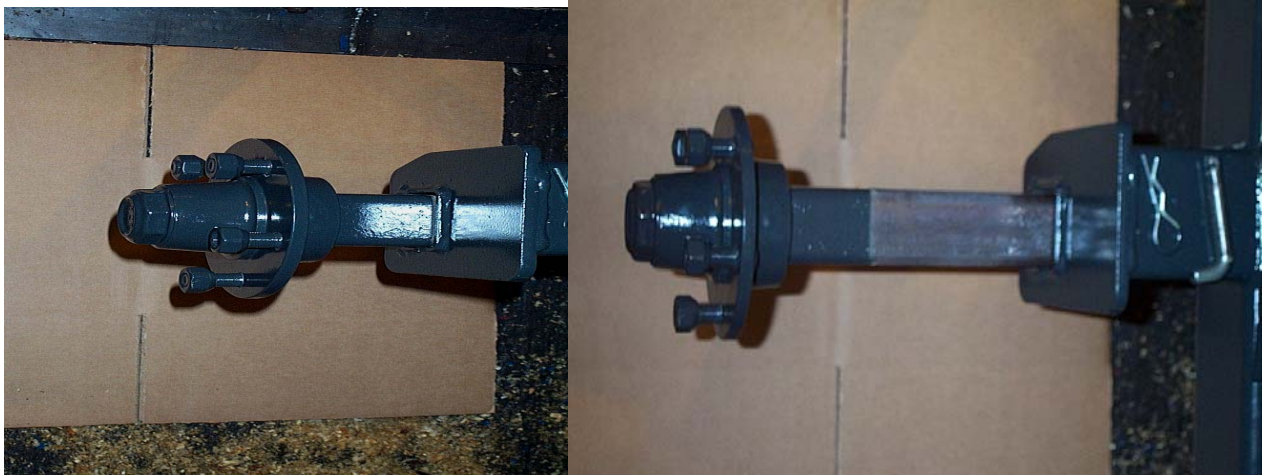
CYLINDER RAM ACCUMULATOR –PART NUMBER ZO1-01-AWH





MAIN DRIVE CHAIN TENSIONER

TO TENSION THE MAIN CHAIN DRIVE ASSEMBLY REMOVE CHAIN COVER AND LOOSEN 4 BOLTS ON THE MOTOR MOUNTAIN, ADJUST THE TENSION BOLT WHILE LEAVING A ½" OR 12MM DEFLECTION IN THE CHAIN. THEN TIGHTEN UP THE BOLT AND REFIT THE CHAIN COVER



WHEEL ADJUSTMENT

ALL TANCO MACHINES ARE FITTED WITH WHEEL ADJUSTMENT ON THE LIFT ARM SIDE INSTEAD OF WEIGHTS (THIS MAKES THE MACHINE LIGHTER FOR TRANSPORTING). TO BALANCE THE MACHINE ADJUST THE WHEEL WHILE LIFTING HEAVY BALES.



MOTOR & CROSS LINE RELEASE

MOTOR PART NO ZOI-02-RF200. CROSS LINE RELEASE VALVE PART NO ZOI-03-004

ALL MOTORS ARE FITTED WITH CROSS LINE RELEASE, THIS IS TO PROTECT THE MOTORS FROM BEING DAMAGED, IF OPERATOR STOPS IT SUDDENLY. IT RELEASES OIL FROM ONE PORT TO THE OTHER.

TROUBLE SHOOTING.

Q. THE TURNTABLE MOVES WHEN I TIP UP.

A. CHECK THE 'O' RINGS IN THE CROSS-LINE BLOCK, IF THEY ARE DAMAGED, REPLACE.

Q. I'VE DONE THIS AND IT STILL MOVES.

A. THEN THERE IS A LEAK ACROSS THE MOTOR; IF ITS VERY BAD YOU MAY HAVE TO REPLACE THE MOTOR.



TIP SENSOR AND MAGNET

THIS MAGNET IS ADJUSTABLE SO THAT THE CUTTER CUTS THE FILM WHEN THE TIPPING FRAME IS AT THE CORRECT ANGLE JUST BEFORE THE BALE TIPS OFF.

INSTRUCTIONS FOR RECHARGING HYD. BALE RAMP CYLINDER



- REMOVE THE PLUG FROM THE PORT.
- CONNECT THE HOSE FROM THE HYD. HAND PUMP TO THIS PORT.
- CHARGE THE CYLINDER TO A PRESSURE OF 50 BAR (725P.S.I.)
- BLEED THE AIR FROM SYSTEM BY SLACKING THE HOSE CONNECTION AT BACE OF THE ACCUMULATOR.
- REMOVE THE PUMP HOSE AND REFIT THE PLUG.

TO REDUCE PRESSURE,

SLACKEN THE CONNECTION ON THE HOSE JUST ENOUGH TO ALLOW THE OIL TO BLEED OUT SLOWLY.

RETIGHTEN THE CONNECTION AND CHECK OPERATION OF RAMP.

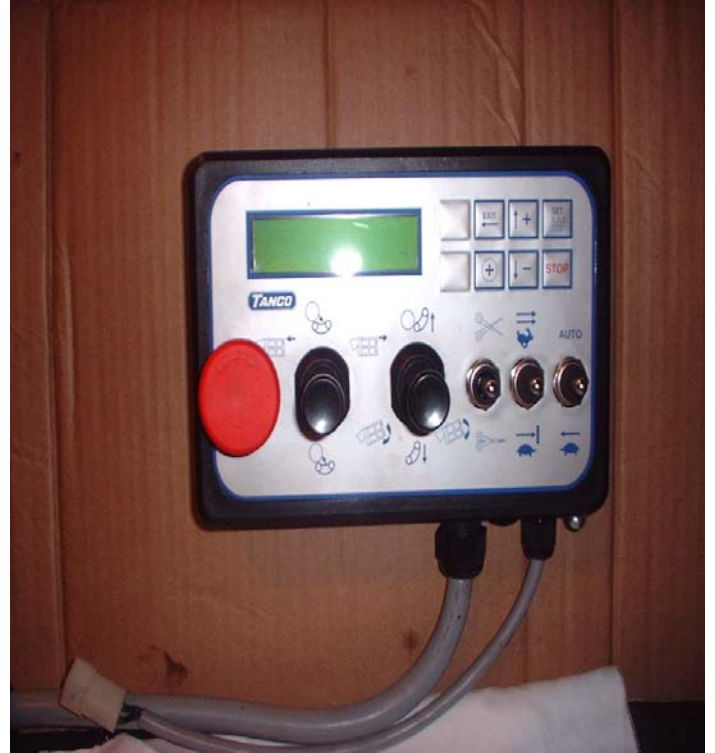
OIL PRESSURE-----50 BAR(735PSI)

GAS PRESSURE-----30 BAR(870PSI)

LYKKITRONIC CONTROLLERS AND REMOTE CONTROL KIT

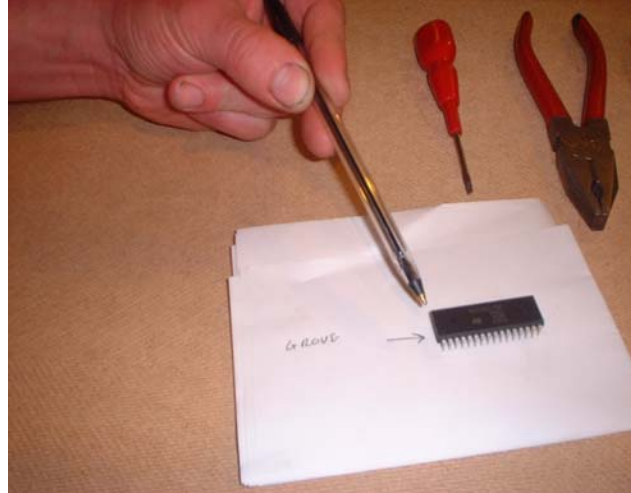


REMOTE CONTROL KIT

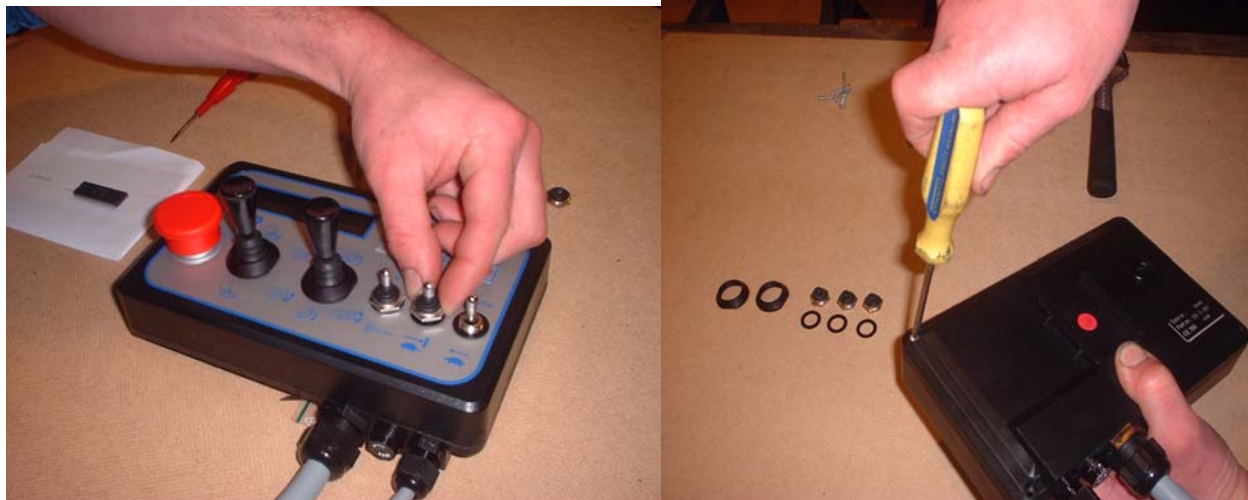


1080A CONTROLLER

1080A CONTROLLER IS FITTED ON TANCO AUTOMATIC MACHINES.

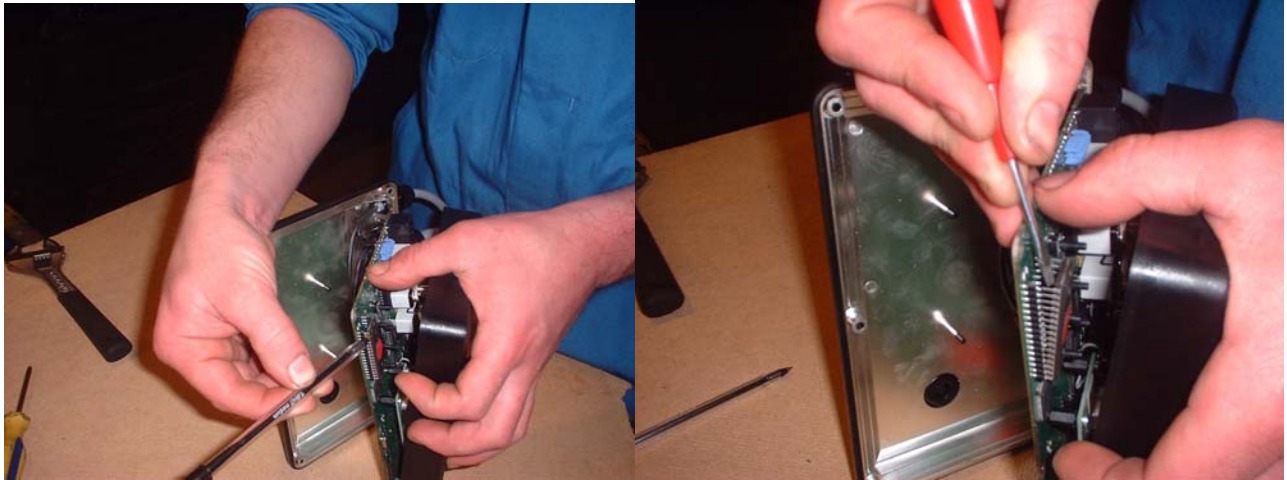


THIS IS A MICROCHIP, POINTING AT ONE SIDE THERE IS A SMALL MARK OR INDENT, IT IS IMPORTANT THAT YOU NOTICE THIS WHEN YOU ARE CHANGING IT.

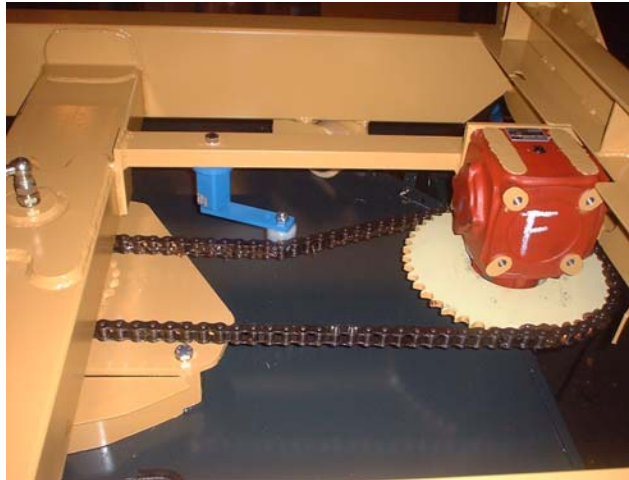


HOW TO OPEN A CONTROL BOX TO INSERT THE MICROCHIP

**REMOVE NUTS FROM THE THREE SMALL SWITCHES ON THE FRONT OF THE CONTROLLER.
(DO NOT INTERFERE WITH ANY OF THE OTHER THREE SWITCHES)**



OPEN THE BOX BY PUSHING THE SWITCHES THROUGH TO EXPOSING THE MICROCHIP,
(DO NOT INTERFERE WITH ANY WIRES IN CONTROLLER)
REMOVE CHIP AND REPLACE WITH NEW ONE AND REVERSE PROCEDURE.
_____ (DO NOT INTERFERE WITH ANY WIRES) _____



GEARBOX, INDEX CHAIN AND ROSTA TENSIONER.

OIL SEAL KIT FOR GEARBOX PART No ZO1-25-300S



MAIN DRIVE CHAIN, CENTRE SPROCKET AND MOTOR SPROCKET.

WHEN TENSIONING CHAIN, ALWAYS LEAVE 10MM DEFLECTION IN CHAIN



ROTATING COUPLING

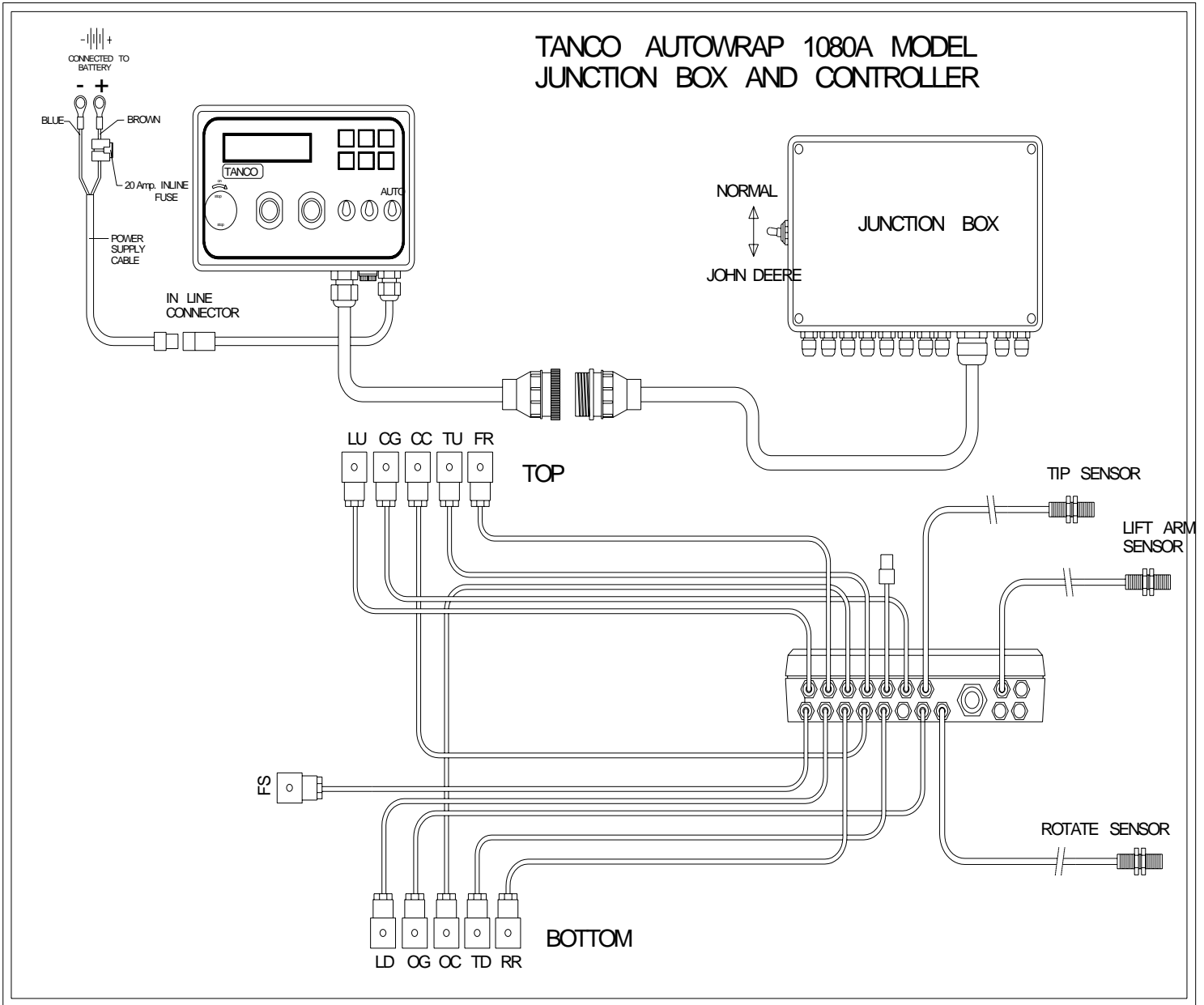
THE ROTATING COUPLING IS USED TO SEND OIL THROUGH THE TURNTABLE FOR THE CUT AND START.



1080A TOP SPROCKET ASSY HAS TWO SPIRAL PINS THAT WILL SHEAR WHEN OVER TENSIONED, THIS WILL BE CAUSED BY BADLY SHAPED BALES, OR FROM BALES THAT ARE MADE TOO LONG, THESE ARE FITTED TO SHEAR BEFORE THE CHAIN BREAKS.

- SPIRAL PIN -----PART NO Z03-23-062.**
- TOP CHAIN ¾" PITCH X 50 PITCHES -----PART NO ZO9-AW-52.**
- BTM CHAIN ¾" PITCH X 75 PITCHES -----PART NO ZO9-AW-75.**
- TOP CHAIN TENSIONER BRK.-----PART NO WD610-CTB1.**
- CHAIN TENSIONER BLOCK ASSY INNER-----PART NOWD610-TB11.**
- “ “ “ “ OUTER- -----PART NO-WD610-TBOI.**
- SPRING 14.5mmO.DX1.6mm WIRE X60mmLONG----- PART NO Z07-48.**

TANCO AUTOMRAP 1080A MODEL JUNCTION BOX AND CONTROLLER



OPERATING SAFETY INSTRUCTIONS

1. OPERATORS SHOULD HAVE THEIR HANDS ON THE CONTROLS AT ALL TIMES WHEN MACHINE IS IN 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 ALL SPECATORS CLEAR OF MACHINE AT ALL TIMES (DANGER ZOOON IS 5 METERS).
4. BEWARE OF MOVING PARTS SUCH AS TURNTABLE, LIFT ARM, AND PULLDOWN ARM.
5. IF IT IS NOT OPERATED CORRECTLY THE BALE COULD FLY OFF THE TURNTABLE.THE END ROLLERS OR CONE ROLLERS MUST ALWAYS BE FITTED.DO NOT EXCEED RECOMMENDED TURNTABLE SPEED OF 30 r.p.m. MIS-SHAPEN BALES COMBINED WITH EXCESSIVE TURNTABLE SPEED CAN BE DANGEROUS.
6. (HAZARD) GREAT CARE MUST BE TAKEN WHEN TIPPING BALES FROM MACHINE ON SLOPING GROUND, TO ENSURE THAT THEY DO NOT ROLL.

