

OPERATIONS & SAFETY MANUAL

EFFECTIVE JULY 2020 VERSION V

WALSH & FORD

----- Established 1949 -----
BULK HANDLING SPECIALISTS

BARREL BELT CONVEYORS

REPLACES VERSION 2017 IV

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N.B. OWNERS/OPERATORS OF MODELS PRIOR TO APRIL 2017 ARE ADVISED TO UPDATE SAFETY REQUIREMENT AS PER DESCRIBED IN THIS DOCUMENT. DETAILED PHOTOS ARE INCLUDED ON THE WEBSITE UNDER MANUALS IMAGES/CONVEYORS.

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1. INTRODUCTION

TO THE CUSTOMER,

IN THIS BRIEF INTRODUCTION TO YOUR NEW **WALSH & FORD** PRODUCT, WE WOULD LIKE TO ACKNOWLEDGE SAFETY AS YOUR NUMBER ONE PRIORITY IN THE USE OF ANY AGRICULTURAL PRODUCT WHETHER IT BE **WALSH & FORD** OR ANY OTHER SUPPLIER.

TAKE NOTE OF ANY RECOMMENDATIONS WE ADVISE IN THE SAFE USE OF ANY EQUIPMENT, AND PLEASE INDUCT ANY WORKERS / CONTRACTORS OF THEIR RESPONSIBILITY AND SAFETY IN THE USE OF THIS UNIT. ENSURE THAT THEY SIGN OFF AS A MATTER OF RECORD IN THIS BOOKLET. NOTE THIS DOCUMENT SHOULD BE USED IN CONJUNCTION WITH MANUAL PHOTOS ON THE WEBSITE.

BE SAFE ! THINK SAFE ! CARE FOR YOUR WORKERS !

PETER WALSH

SERIAL NUMBER OF UNIT

THIS DOCUMENT HAS BEEN PHYSICALLY ATTACHED THE MACHINE OR PROVIDED BY AGENT (RESELLER). WE REQUEST YOU ACKNOWLEDGE THIS BY RETURNING THE PRE-PAID ENVELOPE WITH THE SIGNED ACKNOWLEDGMENT FORM ON THE LAST PAGE OF THIS DOCUMENT. FAILURE TO DO SO WILL RESULT IN ALL LIABILITY ONUS UPON YOU , AND NIL WARRANTY ON PRODUCT.

WE AIM TO CONFORM TO THE AUSTRALIAN STANDARDS:-

AS/NZS	1554.1.2004	STRUCTURAL STEEL WELDING
AS	4024.1-1996	SAFEGUARDING OF MACHINERY
AS	1121-1983	GUARDS FOR AGRICULTURAL PTO DRIVES
AS	1755-2000	CONVEYORS SAFETY REQUIREMENTS
AS	3569	STEEL WIRE ROPES
AS	1418	CRANES, HOISTS AND WINCHES

2. SAFETY - BARREL BELT CONVEYORS

- KEY POINTS -**
- A. SAFETY COMES FIRST.
 - B. SAFETY OF OTHERS IS IMPERATIVE.
 - C. IT IS YOUR RESPONSIBILITY TO KNOW THE OPERATIONAL REQUIREMENTS OF THE UNIT AND TO ADVISE OTHERS IN YOUR CARE.
 - D. IT WILL BE CONSIDERED AS MISUSE OF THE EQUIPMENT IF YOU, THE OPERATOR, ARE UNFAMILIAR WITH THE SAFETY OPERATION AND ITS ORIGINAL INTENTION OF USE.
- 2.1 FAILURE TO READ THESE INSTRUCTIONS AND FAILURE TO ACKNOWLEDGE THEM IS CONSIDERED AS MISUSE OF THE PRODUCT.
- 2.2 DO NOT OPERATE UNIT WITHOUT SAFETY GUARDS ATTACHED OR OPEN/UNLATCHED.
- 2.3 DO NOT REMOVE ANY PROTECTIVE MEASURES FOR ANY REASON.
- 2.4 KEEP PEOPLE WHO ARE NOT INDUCTED IN THE USE AND SAFETY MEASURES AWAY FROM THE UNIT AT ALL TIMES BY A MINIMUM PHYSICAL DISTANCE EQUAL TO THE SIZE OF THE MACHINE. CHILDREN ARE AT ALL TIMES NOT ALLOWED IN THE VICINITY AS DESCRIBED ABOVE.
- 2.5 ENSURE BODY / LIMBS / HANDS / FEET / CLOTHING ARE CLEAR OF INTAKE END, AS WELL AS PULLEYS AND BELTS. ENSURE PPE IS USE i.e. EAR MUFFS / EYE PROTECTION.
- 2.6 DO NOT MOVE UNIT WHILST WORKING OR FULL OF GRAIN.
- 2.7 KEEP WELL CLEAR OF OVERHEAD ELECTRICAL HAZARDS.
- 2.8 DO NOT OPERATE WITHOUT HOPPER ATTACHED AND KEEP CLEAR WHILST IN OPERATION.
- 2.9 KEEP TYRE PRESSURES AT CORRECT INFLATION LEVELS (CHECK WITH LOCAL TYRE DEALERS IN YOUR AREA FOR DETAILS).
- 2.10 ON MODELS WITH EXTENDABLE AXLES ,ENSURE THEY ARE EXTENDED PRIOR TO USE.
- 2.11 DO NOT OPERATE IN STRONG WINDS OR STORM CONDITIONS IN ELEVATED POSITION. BEFORE CONDITIONS PREVAIL LOWER TO NORMAL HEIGHT. AFTER ANY USE LOWER TO NORMAL HEIGHT. (TOW HEIGHT)
- 2.12 NEVER REFUEL MOTORS WHILST IN OPERATION.
- 2.13 ALWAYS OPERATE ON LEVEL GROUND. ENSURE FUEL AREA IS FREE OF DEBRIS. ANCHOR UNIT IF THERE IS ANY UNEVENNESS TO THE GROUND.
- 2.14 DO NOT ATTEMPT TO GAIN HEIGHT WITH FOREIGN OBJECTS PLACED UNDER AXLES.
- 2.15 FULLY LOWER TO TOW.
- 2.16 SHUT OFF POWER AND LOCK OUT UNIT BEFORE ADJUSTING, SERVICING OR CLEANING.
- 2.17 DO NOT MODIFY ANY PROTECTIVE MEASURES. FAILURE WILL RESULT IN NIL WARRANTY.
- 2.18 MAINTAIN CONTROL OF SAFETY BRAKE WINCH AT ALL TIMES WHEN ELEVATING OR LOWERING.
- 2.19 DO NOT CLIMB UPON UNIT FOR ANY REASON WHILST OPERATING OR NOT OPERATING.
- 2.20 USE PROTECTIVE CLOTHING I.E. GLOVES, EYE WEAR, SAFETY SHOES, HEARING PROTECTION.
- 2.21 NEVER ATTEMPT TO MOVE UNIT MANUALLY, TO DO SO MAY RESULT IN SERIOUS INJURY.
- 2.22 DISABLE BY REMOVING KEY FROM POWER UNIT AFTER USE.
- 2.23 ENSURE RISK ASSESSMENT IS COMPLETED PRIOR TO USE.

3. ASSEMBLY - BARREL BELT CONVEYORS

- KEY POINTS -
- A. SAFETY COMES FIRST.
 - B. THE AGENT OR DEALER IS RESPONSIBLE FOR COMMISSION/ASSEMBLY
 - C. **WALSH & FORD** CAN ASSEMBLE AND COMMISSION IF REQUIRED (COSTS WILL OCCUR)

3.1 BARREL BELT CONVEYORS

- 3.1.1 UNITS < 35' ARE TRANSPORTED ON ROAD WITHOUT ESCORT. N.B. CHECK RULES APPLYING TO YOUR STATE. CHECK WITH YOUR STATE LOCAL DEPARTMENT OF TRANSPORT.
- 3.1.2 UNITS > 35' AND TOWABLE ARE REQUIRED TO BE DISMANTLED WITH LESS THAN 15' PROTRUDING PAST BACK AXLE. AXLE < 11' O/A.
- 3.1.3 FREIGHT/LOW LOADER SUBJECT TO RESTRICTIONS GOVERNING TRUCK LOADS AS PER STATE REQUIREMENTS.
- 3.1.4 35' = 10.7 METRES

SEE WALSH & FORD FOR DETAILS.

4. TRANSPORT - BARREL BELT CONVEYORS

- KEY POINTS -**
- A. SAFETY COMES FIRST.
 - B. KNOW YOUR STATE'S TRANSPORT REQUIREMENTS.
 - C. BE AWARE OF ELECTRICAL HAZARDS.
 - D. USE APPROPRIATE TRANSPORT AS REQUIRED I.E. DISMANTLE UNIT FOR TRANSPORT IF UNIT DOES NOT CONFORM TO STATE REQUIREMENTS, OR CONTACT FREIGHT TRANSPORT SPECIFIC FOR MOVEMENT OF UNITS.

- 4.1 TRANSPORT IN LOWERED POSITION AND EMPTY OF GRAIN.
- 4.2 ENSURE TOW PIN AND CHAIN IS SUITABLE FOR TOWING.
- 4.3 ENSURE SIGNS, FLAGS, FLASHING LIGHTS ARE IN WORKING ORDER AND POSITION AS PER STATE REQUIREMENTS.
- 4.4 ENSURE ABSENCE OF OVERHEAD WIRES BEFORE MOVING TO AND FROM AN AREA.
- 4.5 TOW SPEED, AS PER REQUIREMENTS PLUS TAKE IN THE ROAD CONDITIONS AS WELL.
- 4.6 ENSURE PILOT VEHICLE IS USED. IF DIMENSIONS DO NOT CONFORM TO STATE REQUIREMENTS .

TOWING AND OPERATION

- TO TOW UNIT MOVE HUB SETTING TO UNLOCK POSITION.
- TOW AT <15KM/HOUR. MAX DISTANCE 15KM. FOR ONE CONTINUOUS TOW.
- CUSTOMER IS ADVISED FOR GREATER DISTANCES, TO PURCHASE FROM WALSH & FORD ON SALE UNIT SPARE HUBS, TYRE HUBS AND WHEELS.
- ENSURE AFTER TOWING AND AFTER WHEEL HUB DRIVE MOTORS HAVE BEEN PLACED ON UNIT, FIRMLY LOCK IN BREAK-AWAYS.
- ENSURE CASTOR WHEEL ASSEMBLY IS RAISED WHEN TOWING USE OF UNIT (DRIVE AROUND).
NOTE: REMOVE CASTORS.
- WITH TAIL WHEELS HYDRAULIC JACK/RAM IN OPEN OR PRESSURE RELEASE POSITION, LIFT UPRIGHT TO DESIRED HEIGHT PLUS ONE METRE.
- ACTIVATE RAM/JACK TO TAKE PRESSURE WITH TAIL ON GROUND.
- LOWER UPRIGHT BY ONE METRE (THIS WILL ALLOW TAIL TO RAISE OFF THE GROUND).
- UTILISE LEVERS TO STEER HUB DRIVE WHEELS.
- MOVE UNIT SLOWLY ALWAYS (DO NOT MOVE LEVERS IN OPPOSITE DIRECTIONS QUICKLY OR FORWARD/BACKWARD TOGETHER FAST) THIS WILL RESULT IN LURCHING BY MACHINE THAT HAS NO BENEFIT TO OPERATOR OR MACHINE.
- STEER UNIT TO DESIRED POSITION UNDER SILO OR TO ABOVE POSITION FOR SILO INLOAD.
- LOWER TAIL TO GROUND, VIA RAM/JACK.
- LOWER HEAD INTO SILO ETC.
- AFTER USE ALWAYS LOWER TO NORMAL GROUND HEIGHT, PROCEED TO CONVEYOR/AUGER OPERATING INSTRUCTIONS.

OPERATING SAFETY GROUND DRIVE

- **BE AWARE OF OVERHEAD POWER LINES!**
ENSURE UNIT IS NEVER USED IN THE VICINITY OF POWER LINES.
ENSURE OPERATOR IS AWARE OF THIS.
- **DO NOT ATTEMPT TO MODIFY/ALTER HYDRAULIC SETTINGS.**
- **DO NOT REMOVE/CUT HYDRAULIC LINES ETC WHILST MACHINE IS RAISED.**
- **MACHINE IS SET FOR WALKING PACE ONLY! DO NOT ATTEMPT TO ALTER SPEED SETTINGS!**
- **DO NOT ATTEMPT TO USE GROUND DRIVE AS A METHOD TO DRIVE TAIL INTO STACK OF GRAIN.**
- **WITH SWEEP FIXTURE DO NOT ATTEMPT TO STEER TAIL INTO GRAIN STACK. DRIVE AUGER OUT OF PAD AND RE-ALIGN TO POSITION REQUIRED.**
- **DO NOT CUT OFF SWEEP WIRE MESH.**
- **HOIST VALVE SETTING SHOULD NOT BE ADJUSTED.**
- **NIL WARRANTY IS UPON MACHINE FOR ANY UNAUTHORISED HYDRAULIC CHANGE.**

5. SET UP UNIT FOR WORK - BARREL BELT CONVEYORS

- KEY POINTS -
- A. SAFETY COMES FIRST.
 - B. KNOW THE AREA THAT YOU ARE GOING TO WORK WITH FOR HAZARDS.
 - C. FORMULATE AND DOCUMENT JOB SAFETY AND ENVIRONMENTAL ANALYSIS WORKSHEET FOR UNIT'S INTENDED USE.

5.1 BARREL BELT CONVEYORS

- 5.1.1 CLEAR AREA OF UNAUTHORIZED PEOPLE
- 5.1.2 CHECK FOR GROUND CONDITIONS, SLOPE, FOREIGN OBJECTS I.E. ANYTHING THAT COULD INHIBIT THE SMOOTH MOVEMENT OF UNIT.
- 5.1.3 BEFORE ACTUALLY RAISING UNIT ENSURE THAT APPROACH IS CLEAR OF BOTH ELECTRICAL HAZARDS AND FOREIGN OBJECTS.
- 5.1.4 ENSURE FILLING IS TO THE CENTRE OF SILO. DO NOT FILL AT INSPECTION HATCHES.

6. OPERATION

- KEY POINTS -
- A. SAFETY COMES FIRST.
 - B. BE AWARE OF OPERATIONAL CHECKLIST BEFORE STARTING WORK.
 - C. ENSURE HOW TO SHUT DOWN POWER TO UNIT.

6.1 BARREL BELT CONVEYOR

- 6.1.1 ENSURE ALL SAFETY GUARDS AND EQUIPMENT IS IN GOOD ORDER AND WORKING.
- 6.1.2 CHECK BELT FOR CLIPS, ENSURE ALL ARE INTACT. JOINER IN GOOD ORDER AND NIL VERMIN DAMAGE. ENSURE PPE i.e. EAR MUFFS / EYEPROTECTION IS USED.
- 6.1.3 TRACKING OVER 180 DEGREES TRANSITION ROLLERS I.E. HEAD TAIL AND TENSION ROLLER ARE SET IN CENTRE OF DRUM.
- 6.1.4 RETURN ROLLING BELT IS TRACKING IN CENTRE OF ROLLERS.
- 6.1.5 NOTE. SUN WILL HEAT BARREL AND CAUSE A VISIBLE CHANGE DURING THE COURSE OF A DAY(WITHOUT PROBLEM). THE ROLLERS COMPENSATE FOR THIS, HOWEVER TENSION ALONG UNITS BACKBONE IS VITAL AND REQUIRED CHECKING CONSTANTLY, THIS IS VIA TURNBUCKLE. CONVEYOR LENGTH SHOULD BE STRAIGHT.
- 6.1.6 BELT TENSION IS GOVERNED BY THE LOWEST AMOUNT OF TENSION REQUIRED TO POWER THE UNIT AT IT'S REQUIRED HIGHEST TONNAGE. DO NOT USE SLIPPAGE AS A GUIDE.
- 6.1.7 ALWAYS PROTECT THE BELT BY NOT SWAMPING HOPPER, STOPPING UNIT DURING THE MOVEMENT OF GRAIN , NO FOREIGN OBJECT SHOULD CONNECT WITH THE BELT DURING OPERATION I.E. ROCK, METAL.
- 6.1.8 KNOW HOW TO QUICKLY SHUT DOWN POWER TO THE UNIT.
- 6.1.9 ENSURE HOPPER IS ATTACHED.
- 6.1.10 TO MOVE INTO POSITION, LIFT UPRIGHT HYDRAULIC OR MANUAL WITH ROOM OF APPROXIMATELY 1 METRE HIGH OF SILO. LIFT TAIL VIA HYDRAULIC RAM/JACK TO TAKE PRESSURE OFF TAIL.
- 6.1.11 LOWER HOIST BY APPROXIMATELY ½ METRE.
- 6.1.12 THIS ALLOWS TAIL TO RAISE OFF THE GROUND.
- 6.1.13 UTILIZE LEAVERS TO STEER HUB DRIVE WHEELS.
- 6.1.14 MOVE UNIT SLOWLY TO DESIRED PLACEMENT (N.B. DO NOT MOVE LEVERS IN OPPOSITE DIRECTIONS QUICKLY/OR FORWARD/BACKWARD TOGETHER FAST. THIS WILL ONLY RESULT IN LURCHING BY MACHINE THAT HAS NO BENEFIT TO OPERATOR OR MACHINE.
- 6.1.15 LOWER UNIT TO HEIGHT REQUIRED AND PLACE TAIL ON GROUND.
- 6.1.16 ACTIVATE BELT DRIVE FOR DELIVERY OF PRODUCT. RUN 2-5 MINUTES EMPTY TO WARM UP UNIT.
- 6.1.17 INTRODUCE PRODUCT TO HOPPER WITH EMPHASIS OF TARGETING STEEL HOPPER.
- 6.1.18 DO NOT DISENGAGE DRIVE WHILST UNIT IS FULL OF GRAIN.
- 6.1.19 AFTER USE, RETURN UNIT TO NORMAL HEIGHT.

SAFETY OPERATING PROCEDURES

Portable Grain Conveyor

DO NOT use this machine unless you have been inducted and instructed in its safe use and operation and has given permission.



Never wear loose clothing, jewellery, or have long hair untied while operating a grain conveyor.

PRE-OPERATIONAL SAFETY CHECKS

1. Check that all guards are in place, properly secured, and functional. The guard surrounding the conveyor's intake is critically important.
2. Replace all safety signs that are worn, missing, or illegible.
3. Inspect winch and cable (or other lifting system) for condition, security, and operation.
4. If tractor operated ensure the conveyor is attached according to manufacturer's specification and confirm that PTO and all driveline components are in good condition and properly guarded.
5. If Electrical drive –ensure the connection to power supply is laid out (not coiled) and no chance of being run over.
6. Faulty equipment must not be used. Report suspect machinery immediately.

OPERATIONAL SAFETY CHECKS

1. Lower the auger to a horizontal position and lock before moving from location to another.
2. Allow no passengers on grain conveyor when transporting.
3. When transporting ensure the entire area above the conveyor and in the line of travel is clear of obstructions and electrical wires.
4. Slowly move the conveyor into working position on dry, level ground with the towing vehicle. Chock the wheels.
5. Securely support the conveyor by anchoring the intake end, and/or supporting at the discharge end.
6. Do not elevate a conveyor beyond its safe limits as it may become top-heavy when it is set up too high.
7. Only persons authorized/ inducted to operate the conveyor should be in the work area.
8. Keep clear of moving machine parts. Do not assist the grain to flow into the conveyor with a hand or foot.
9. Keep the work area and machine clean and free of clutter.
10. Motors must be shutdown on any piece of equipment that is being refuelled (where self powered).
11. If a piece of equipment becomes bogged , never attempt to clean out the blockage until the machine is shut off and all moving parts come to a complete stop and the power source is isolated.

HOUSEKEEPING

1. Keep machine parts clean and free of accumulation of crop material, dirt or debris.
2. Keep the work area and implement shed in a clean and tidy condition.

POTENTIAL HAZARDS

- Contact/ friction with exposed belt at intake.
- Entanglement in a belt drive – Ensure guards are on!
- Being struck by an uncontrolled spinning crank that is used to raise or lower the auger
- Entanglement in a PTO drive shaft (where tractor operated)
- Contact @ return rollers with belt – Ensure guards are on!

6. OPERATION (CONT)

6.2 SWEEP USE

- 6.2.1 ENSURE SAFETY OF OTHERS AND YOU.
- 6.2.2 DO NOT MODIFY PROTECTIVE MEASURES.
- 6.2.3 DO NOT CHANGE FACTORY SETTING OF POP UP HATCH AND HYDRAULIC MOTORS.
- 6.2.4 ENSURE TAIL HYDRAULIC RAM IS CONNECTED TO SWEEP WHEEL HYDRAULICS.
- 6.2.5 DO NOT ATTEMPT TO LIFT TAIL WHILST SWEEP IS ATTACHED.

7. HYDRAULICS

- KEY POINTS -
- A. REFER TO MSDS FOR OIL INFORMATION.
 - B. ENSURE FOR THE ENVIRONMENT BY CONTAINING ALL SPILLS DURING OIL CHANGES/MAINTENANCE

- 7.1 ENSURE BREAKAWAYS ON WHEEL DRIVE MOTORS ARE ENGAGED PROPERLY.
- 7.2 HOIST SHOULD BE LEFT AT FACTORY DEFAULT SETTING.
- 7.3 DO NOT CUT OR UNDO HOSES WHILST AT ANY WORKING HEIGHT. UNIT HAS SAFETY RELIEF. BUILT IN FOR HOSE BREAKAGE, AT HEIGHT.
- 7.4 WALSH AND FORD ADVISE TO CHECK AND CHANGE OIL ONCE PER YEAR INCLUDING FILTERS.
- 7.5 DO NOT ATTEMPT TO CHANGE FACTORY SET RELIEFS, THIS WILL VOID WARRANTY.

FOR SYSTEM DIAGRAM - QUOTE UNIT SERIAL NUMBER PLUS OWNERS' NAMES.
NO DISCLOSURE WILL OCCUR WITHOUT CONFIRMATION OF DETAILS.

8. MAINTENANCE

KEY POINTS -

- A. AUTHORIZED PERSONNEL ONLY TO PERFORM MAINTENANCE.
- B. ENSURE LOCK OUT PROCEDURES ARE IN PLACE,
- C. IF MAINTENANCE REQUIRES GUARDS REMOVED, ENSURE THEY ARE REPLACED ON MACHINERY AT END OF SERVICE.

BELT TENSION - TEMPERATURE AND CONDITIONS CAN VARY THE PERFORMANCE OF B.B.C. SO BELT TENSION IS ONE OF THE MOST CRITICAL ELEMENTS OF PERFORMANCE AND PREVENTION OF BELT DAMAGE.

8.1 BARREL BELT CONVEYORS

- 8.1.0 DISABLE POWER SUPPLY AND LOCK OUT BEFORE ANY MAINTENANCE.
- 8.1.1 FROM THE RETURN SIDE OF BELT ROLLERS ARE TYPICALLY DISTANCED 2400CM A CORRECT TENSION BELT WILL DEFLECT APPROXIMATELY 50-75 MM. OVER THIS DISTANCE WITH A WEIGHT EQUIVALENT TO 20-25 KG BEARING DOWN. IF A BELT IS SLIPPING ON THE DRIVE DRUM IT WOULD BE CONSIDERED TO NOT BE CORRECTLY TENSIONED.
- 8.1.2 DO NOT OVER TENSION BELT EXCESS TENSION WILL MAKE CLIPS FAIL.
- 8.1.3 ANY INTRODUCTION OF MOISTURE I.E. SPRAYING OF PRODUCT /INOCULATING PRODUCTS AT THE HOPPER WILL RESULT IN BELT SLIPPAGE, TO THE DETRIMENT OF THE BELT.
- 8.1.4 SPRAYING CAN BE PERFORMED WITHIN THE HEAD CHUTE AS THE PRODUCT ARC'S OFF THE END OF THE BELT. NOTE ENSURE SPRAY WILL NOT CONTACT BELT SURFACE.
- 8.1.5 ANY PROLONGED SLIPPAGE OF THE DRIVE DRUM OR BELT STOPPAGE WHILST DRUM IS MOVING WILL HEAT/BURN BELT, RESULTING IN FABRIC DAMAGE. BELT WILL SEPARATE AND FAIL DUE TO THIS.
- 8.1.6 BELT DAMAGED SECTIONS REQUIRE CUTTING OUT DAMAGED SECTION AND INSERTING NEW BELT INTO UNIT - 2 METERS IS NORMALLY USED. CHECK WITH WALSH & FORD OR AGENT FOR SERVICING.
- 8.1.7 ANY PERSONAL PROTECTIVE ITEMS, GUARDS, DRIVE LINES, SHAFT COVERS, MESH GUARDS MUST BE REFITTED AFTER MAINTENANCE.

8. MAINTENANCE (CONT)

8.2 WIRE ROPE

- 8.2.1 ADJUST VIA TURN BUCKLES ENSURING CONVEYOR IS STRAIGHT.
- 8.2.2 NOTE HEAT OF SUN WILL OVER THE PERIOD OF THE DAY MAKE THE BARREL CURVE. THIS WILL NOT CAUSE AN ISSUE WITH TRACKING.

8.3 HOSES

- 8.3.1 CHECK FOR ABRASION/LEAKS.

8.4 WHEELS

- 8.4.1 TOW A <15KM. OVER 15KM DISTANCE. HIGHER SPEEDS AND DISTANCES REMOVE VIA BREAK-AWAYS PLACE ON HUB STUB WHEELS OPTIONS.

8.5 GREASING

- 8.5.1 USE LITHIUM BASED GREASE ONCE EVERY 20 HOURS OF OPERATION.

8.6 DRIVE BELTS

- 8.6.1 CHECK FOR ALIGNMENTS.
- 8.6.2 REPLACE FRAYED BURNT BELTS.

8.7 TYRE PRESSURE

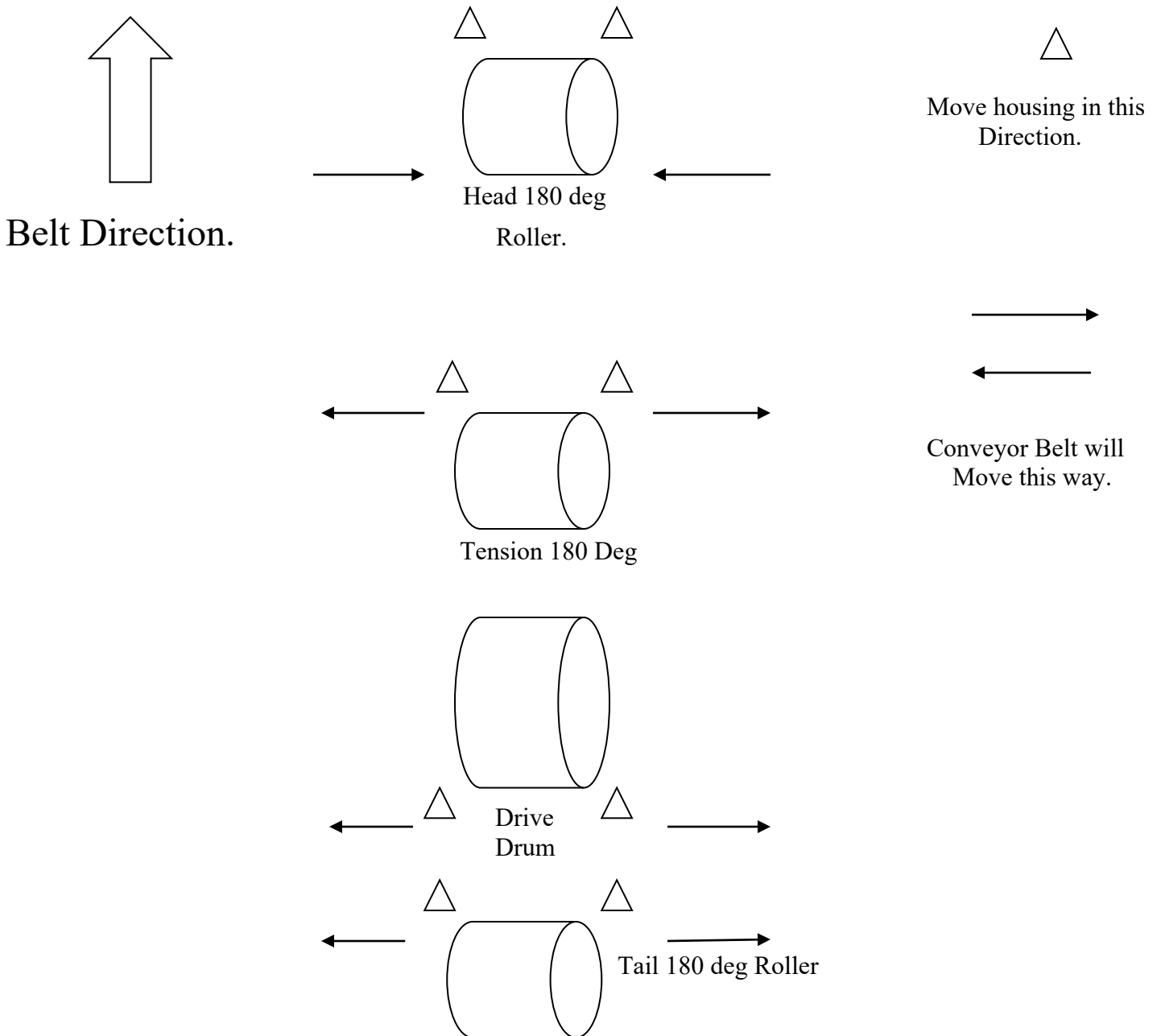
- 8.7.1 CHECK WITH YOUR LOCAL TYRE SERVICE FOR CORRECT TYRE PRESSURES.

8.8 STAINLESS UNITS

- 8.8.1 BLOW DOWN WITH AIR USING PPE PROTECTIVE MEASURES.
- 8.8.2 DO NOT INTRODUCE MOISTURE TO MACHINE.

8. MAINTENANCE (CONT)

BELT DIRECTION & MANIPULATION CHART



MAINTENANCE SIGN OFF FORM

PERIOD	AGENT	OWNER	WALSH & FORD	SIGNATURE
6 MONTHS				
12 MONTHS				
18 MONTHS				
24 MONTHS				
30 MONTHS				
36 MONTHS				
42 MONTHS				
48 MONTHS				
54 MONTHS				
60 MONTHS				
66 MONTHS				
72 MONTHS				
78 MONTHS				
84 MONTHS				
90 MONTHS				
96 MONTHS				
102 MONTHS				
108 MONTHS				
114 MONTHS				
120 MONTHS				
126 MONTHS				
132 MONTHS				
138 MONTHS				
142 MONTHS				
148 MONTHS				

MAINTENANCE SIGN OFF FORM

154 MONTHS				
160 MONTHS				
166 MONTHS				
172 MONTHS				
178 MONTHS				
184 MONTHS				
190 MONTHS				

9. WARRANTY.

WALSH & FORD as suppliers of agricultural implements / equipment provides this warranty for implements / equipment manufactured at Dalby, Queensland.

Subject to such other conditions, warranties and / or undertakings, which may apply from time to time under the laws of Australia and / or any applicable State or Territory thereof WALSH & FORD warrants with respect to each new item of agricultural implement / equipment that for a period of twelve months on agricultural implements / equipment from the date of the original retail sale thereof WALSH & FORD will repair or replace free of charge any part of such agricultural implements / equipment found to be defective in factory materials of workmanship under normal use and operation within Australia.

PROVIDED THAT:

1. The agricultural implement / equipment as the case may be has been properly;
 - a) set up and operated strictly in accordance with the recommendations set forth in the Owner's and / or Service Manual provided with the implement / equipment;
 - b) Used and operated strictly within the capacity and operation limitations specified by WALSH & FORD and;
 - c) Properly maintained and cared for;
 - d) Used solely for the purpose for which it was designed in customary agricultural operations ("intended use") Use in any other way is considered contrary to intended use.
 - e) All regulations, rules, practices on safety and / or occupational medicine and / or road traffic Acts and Regulations are observed at all times; and
2. The repair and replacement is carried out by an authorized WALSH & FORD Dealer / Agency, and;
3. The defective part is returned at the request of the authorized WALSH & FORD Dealer / Agency, freight prepaid.
4. On sale of the implement / Equipment Dealer must disclose and supply details of Warranty in written form.

This warranty shall be void if any part or parts not manufactured or approved by WALSH & FORD are used either in the maintaining or servicing of the implement / equipment covered by this Warranty. No Warranty whatsoever is given on modified, altered or rebuilt machinery. Any arbitrary modification, alteration or rebuilding carried out on the implement / equipment will relieve WALSH & FORD of any liability whatsoever for and resulting loss, damage or injury.

This Warranty is not applicable to engines, electrical motors, clutches, universal joints, tires and tubes, hydraulic motors, hydraulic wheel drives and hydraulic hose, rims, or any other component parts not manufactured by WALSH & FORD.

This Warranty does not extend to any consequential loss or damage however caused or arising, including failure in operation or performance of goods sold or repaired or replacement work or service performed thereon or thereto or any loss incurred, inter alia, for hire or unauthorized labour, supplies, substituted machinery or rented machinery or for any loss or damage incurred because of delay in harvesting or removal of crops or grain or for any event resulting in loss of crops, livestock or other losses nor shall WALSH & FORD be liable for any injury or negligence howsoever caused.

This Warranty does not exclude and necessarily applicable condition or warranty implied by the Trade Practices Act 1974 or any such condition or warranty implied by the applicable State Laws. Subject thereto, no warranty, guarantee or representation as to WALSH & FORD implements / equipment, other than as contained herein, is made or given by WALSH & FORD.

WALSH & FORD accepts no liability whatsoever for damage loss or injury howsoever resulting from misuse or non-compliance with and strict adherence to the operating instructions and safety manual.

9. WARRANTY (cont)

The following are the answers to the most frequently asked questions about the WALSH & FORD Warranty provided with agricultural implements/ equipment purchased through your authorized WALSH & FORD Dealer / Distributor.

1. When does WALSH & FORD Warranty period commence?

If the equipment was purchased as new equipment, the WALSH & FORD Warranty period will commence on the date the equipment was purchased new at retail. If the equipment has been purchased as used equipment the WALSH & FORD Warranty commencement date is the date on which the equipment was first purchased new at retail.

2. Who performs WALSH & FORD Warranty repairs or replacements?

While any other authorized WALSH & FORD Dealer may carry out WALSH & FORD Warranty repairs or replacements, the authorized WALSH & FORD Dealer through whom the equipment was purchased (the selling Dealer) has primary responsibility for performing WALSH & FORD Warranty repairs and replacements under the WALSH & FORD Warranty.

3. What should I do to obtain WALSH & FORD Warranty service?

Contact the selling Dealer or if that is inconvenient, any authorized WALSH & FORD Dealer, explain the problem you have encountered and arrange with the Dealer a mutually convenient time for the warranty repairs or replacement to be effected. Alternatively, contact may be made direct to Factory Headquarters at 4 Dan Street, Dalby, Queensland (P.O. Box 272). Telephone 07) 46626174. Facsimile 07) 466 22435.

Email admin@walshandford.com.au

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Unit _____ Site _____ Date _____

Tick

- | | | |
|---|----------|----------------------|
| <input type="checkbox"/> Normal Operation | Location | <input type="text"/> |
| <input type="checkbox"/> Maintenance | Location | <input type="text"/> |
| <input type="checkbox"/> Other | Location | <input type="text"/> |

Name/s of employee/s completing this JSEA:

JSEA Title (specify job task)

Type of permit required

- Confined Space Excavation Hot Work Fall Risk Control Other _____

Special PPE Requirements

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Special Tools or Equipment Required (consider such things as gas detection, ventilation fans, lighting, scaffolding etc)

Potential Environmental Hazards Air pollution (dust, fumes) Spills to ground Dirty Water discharge Hazard flora/fauna
 Noise pollution (off-site) Spills to water other _____

Hazardous Materials to be used (attach MSDS)

Fire/Emergency Requirements

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Other Potential Hazards to consider

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Electrical | <input type="checkbox"/> Occupational Noise | <input type="checkbox"/> Work at Height | <input type="checkbox"/> Other workers |
| <input type="checkbox"/> Gas, dust, fumes | <input type="checkbox"/> Chemical | <input type="checkbox"/> Access & egress | <input type="checkbox"/> Pressure (air,water,gas) |
| <input type="checkbox"/> Manual Handling | <input type="checkbox"/> Heat | <input type="checkbox"/> Radiation | <input type="checkbox"/> Light (illumination) |
| <input type="checkbox"/> Other | | | |

Special Training Requirements

--

Prescribed Occupation (Certification) Requirement

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10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Job Safety and Environmental Analysis (JSEA) Worksheet

JSEA Number:

B.

Job steps - list the major steps required to perform the task	Potential Hazard	Required Hazard Control	Person Responsible
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Additional comments or details of special precautions to be taken :-

--

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

C. Risk Assessment

Likelihood that the accident will follow to completion	
A. Almost certain	Most likely and expected result if the selected complete sequence of events takes place (1 in 10)
B. Likely	Quite possible, not usual (1 in 10 to 100 chance)
C. Moderate	Would be unusual but possible sequence of events or coincidence (1 in 100 to 1,000 chance)
D. Unlikely	Would be a remotely possible coincidence (1 in 1,000 to 10,000 chance)
E. Rare	Never happened after many years exposure but is conceivably possible (1 in 10,000 to 100,000)

Consequence	Injury/Illness, Damage, Environmental Impact
1. Noticeable	First aid, minor damage, contained spill
2. Important	Disabling injury, damage up to \$5,000, small uncontained spill
3. Serious	Permanent disability injury, damage \$5,000-\$500,000, spill or release requiring notifying EPA
4. Very Serious	Fatality, damage \$500,000-\$1million, major spill or release with minor offsite impact
5. Extreme	Multiple fatalities, damage < \$1million, major spill or release with major offsite impact

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

To determine the risk, choose the Likelihood and the Consequence:

Likelihood	Consequence				
	1. Noticeable	2. Important	3. Serious	4. Very Serious	5. Extreme
A. Almost certain	High	High	Extreme	Extreme	Extreme
B. Likely	Moderate	High	High	Extreme	Extreme
C. Moderate	Low	Moderate	High	Extreme	Extreme
D. Unlikely	Low	Low	Moderate	High	Extreme
E. Rare	Low	Low	Moderate	High	High

Your assessment **Before controls** Likelihood _____ Consequence _____ = Risk Score _____

After controls Likelihood _____ Consequence _____ = Risk Score _____

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

D. Approvals

Using Controls	Management Control	To be signed by	Name of person	Signature	Date
G Extreme Risk	Immediate action, activity discontinued until risk is minimized	Manager/ Safety and Training Coordinator			
G High Risk	Immediate action, activity discontinued until risk is minimized	Manager/ Safety and Training Coordinator			
G Moderate Risk	Risk addressed as part of risk control program	Site Manager			
G Low Risk	Risk identified to employees	Supervisor			

11. PARTS.

FOR PARTS PLEASE CONTACT WALSH & FORD WITH UNIT'S SERIAL NUMBER.

12. OWNER CONFIRMATION.

I, _____ ACKNOWLEDGE BY PURCHASE OF
THIS **WALSH & FORD** UNIT, THAT I HAVE AND WILL ACCEPT
INSTRUCTIONS OF ITS INTENDED USE AND WILL ALSO TRAIN AND
INDUCT EMPLOYEES AND SUBCONTRACTORS IN THE MACHINE USE.
BUSINESS NAME:.....
ADDRESS:.....
TELEPHONE / MOBILE NUMBER:.....
UHF CHANNEL:.....

PLEASE ENCLOSE A MUD MAP OF DIRECTIONS FROM YOUR NEAREST
TOWN, INCLUDING DISTANCES AND ROAD NAMES ETC.

SIGNED _____

DATE _____

SERIAL NUMBER OF UNIT

*PLEASE SEND BACK DUPLICATE COPY TO **WALSH & FORD** IN SUPPLIED ENVELOPE.*