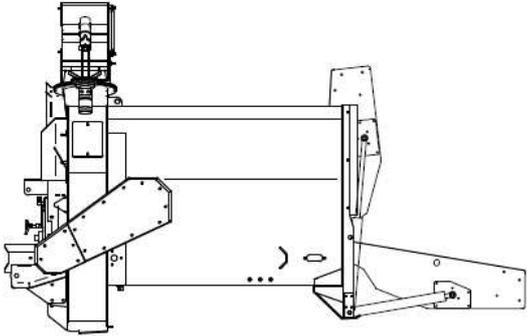
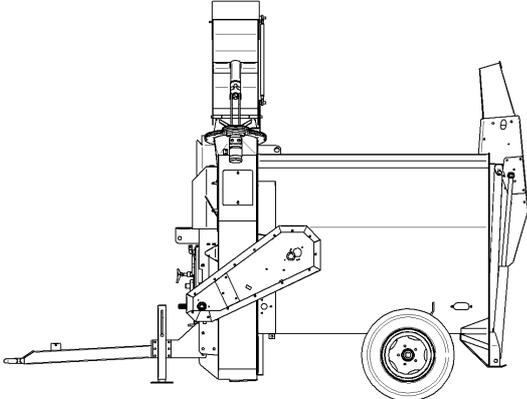


INSTRUCTION MANUAL

07/2006

PLEASE READ CAREFULLY AND UNDERSTAND BEFORE USING THE EQUIPMENT

<p>Mounted straw blower</p> 	<p>PR 2000 R PR 2000 R GT 3-Point linkage</p>
<p>Semi-trailer straw blower</p> 	<p>PR 2000 R PR 2000 R GT Rigid axle</p>



JEANTIL
Rue de la Tertrais
ZI La Hautière BP1
35590 L'HERMITAGE France
Tel: 00 33 (0)2.99.64.04.04
Fax: 00 33 (0)2.99.64.19.56
Spares shop Tel: 00 33 (0)2.99.64.04.02

1. Aim of the Instruction Manual

a) General

- This manual concerns all users of the equipment and anyone tasked with assembling, installing, operating, adjusting, servicing, repairing or transporting the equipment and its accessories.
- It contains practical information for the correct and safe operation, handling, adjusting and maintenance of your equipment.
- Read carefully and ensure you understand the content before using the equipment. Comply with the instructions and the safety-related advice.

b) Warning symbols



This warning symbol identifies important advice that must be followed for your safety. When you see this symbol, take care as there is a potential risk of injury; read the advice that follows carefully and inform other users.

c) Retention

Always keep this manual within easy reach or at your place of work (or operating site).
Pass it on to any other user, including if you lend or sell the equipment.

d) Contact details (S.A.V.)

JEANTIL
Rue de la Tertrais
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Spares shop Tel: 00.33. (0)2.99.64.04.02

e) Statement of compliance with the European ‘Equipment’ directive

(Directive N°98/37/EC)

and to any relevant transposition regulations

Te manufacturer: JEANTIL

**Rue de la Tertrais
ZI de La Hautière
35590 L’HERMITAGE – France**

DECLARES THAT THE EQUIPMENT manufactured by JEANTIL as designated below:

PR 2000 R

PR 2000 R GT

SERIAL N°:

COMPLIES WITH:

- 1. Labour regulations**
- 2. The revised European equipment directive N°98/37/EC**
- 3. Revised EMC directive (electromagnetic compatibility) N° 89/336 EC**
- 4. Specific safety standards: NF /EN 703 (mixers, straw blowers, silage feeders)**

- 5. General safety standards:**
 - NF/EN/ISO 12100-1**
 - NF/EN/ISO 12100-2**
 - NF/EN 294**
 - NF/EN 349**
 - NF U 02-001-ISO 4254/1**
 - NF EN 1553**
 - NF EN 811**

SIGNED AT HERMITAGE (DATE)

NAME OF SIGNATORY: Philippe JEANTIL

SIGNATURES:

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3. Equipment identification

			
35590 L'HERMITAGE - FRANCE			
Type	<input type="text"/>	P.T.A.C.	<input type="text"/> kg
N° de série	<input type="text"/>	Masses maximales admissibles	Anneau <input type="text"/> kg
Année de construction	<input type="text" value="20"/>		Essieu 1 <input type="text"/> kg
			Essieu 2 <input type="text"/> kg
		Essieu 3 <input type="text"/> kg	
Réceptionné	<input type="text" value="NON"/>		

Ref: 892 770

Manufacturer's plate to EC standards.

Never remove the manufacturer's plate and the EC marking fixed to the equipment.

4. Standard operating conditions

a) Applications of the equipment:

- 1.** This equipment is intended exclusively for use in agricultural work off the public highway, i.e.: loading, shredding, distributing products such as straw, silage, hay, wrapped silage in the form of round or square bales, wrapped blocks of 0.30m short straw silage.
- 2.** Any other use falls outside normal usage and is therefore forbidden.
- 3.** For all other uses, please contact the manufacturer.

b) Operator qualification:

- 1.** The equipment must only be used, maintained and repaired by trained operators; see page 2 “Aim of the Instruction Manual”.
- 2.** Before using your equipment, familiarise yourself with all controls and their correct operation.
- 3.** All users, prior to using the straw blower, must have carefully read this Manual, have understood it and applied all the safety instructions. Once working, it will be too late to do this.

c) Definition of work stations:

- 1.** The work station for the equipment is the tractor driver’s cab.
- 2.** Never leave the driver’s station when the engine of the tractor and the equipment are operating.
- 3.** To access the work station, use the access devices provided by the manufacturer (ladder, footholds).

d) Environmental conditions

- 1.** Never approach or remain in those areas that are dangerous when the equipment is in operation.
- 2.** Adapt your speed and driving style to the terrain, roads and tracks; be alert and take care!
- 3.** Do not operate vehicles on ground that slopes longitudinally or laterally where there is a risk of tipping or overturning.
- 4.** Do not start or brake abruptly.
- 5.** Operate your equipment with sufficient light to ensure safety; use appropriate artificial light if necessary (contact your dealer or mechanic).

e) Manufacturer's and user's responsibilities

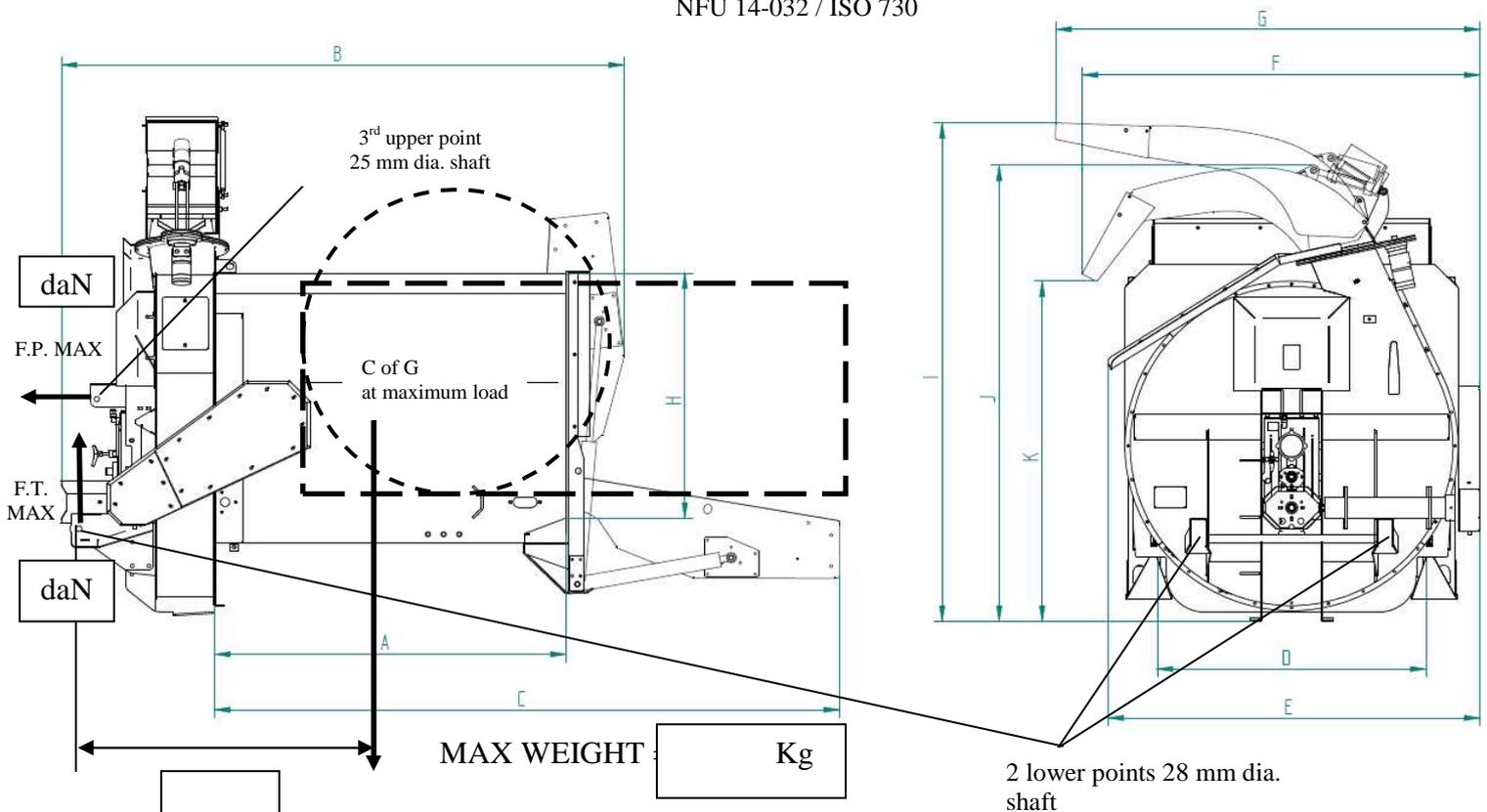
1. Follow all advice contained in this manual concerning levels of knowledge, installation procedures, operation, adjustment, maintenance and repair.
2. Only use spare parts and accessories that comply with the manufacturer's recommendations.
3. Do not carry out any modifications yourself and do not allow others to modify your equipment and its accessories (mechanical, electrical, hydraulic or pneumatic characteristics) without requesting prior written approval from the manufacturer.
4. Failure to comply with these requirements may make the machinery dangerous. The manufacturer disclaims any responsibility if damage or injury arises from such action.

5. Technical characteristics

1 Dimensions of variants:

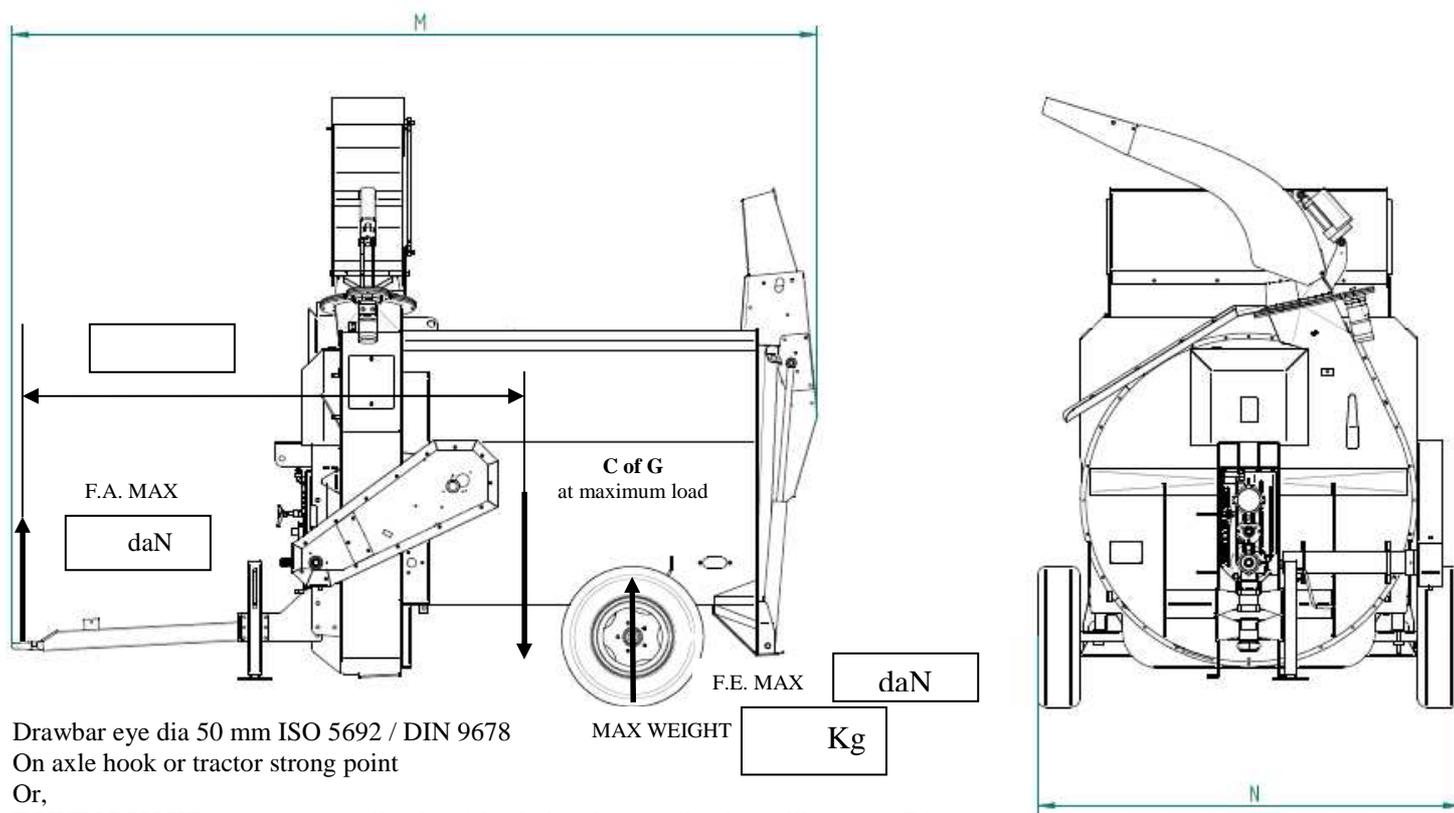
Mounted

3-point linkage, Category 2
NFU 14-032 / ISO 730



- **FP MAX** = maximum push force (daN)
- **FT MAX** = maximum tractive force (daN)

Semi-trailer



Drawbar eye dia 50 mm ISO 5692 / DIN 9678
On axle hook or tractor strong point

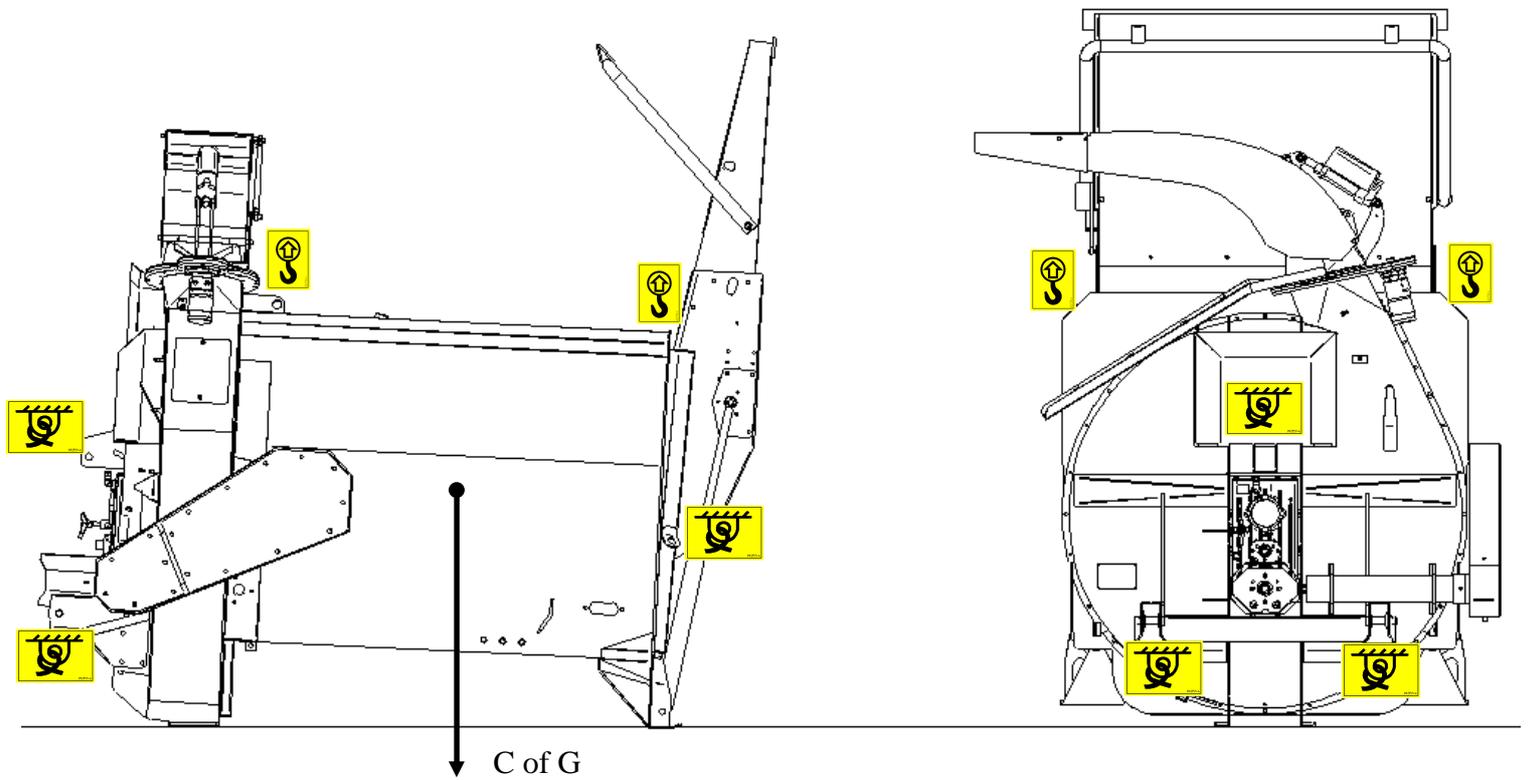
Or,
TOWING YOKE on tractor coupling bar (check that the coupling bar will support FA MAX)

FA MAX = Max force on drawbar eye (daN)

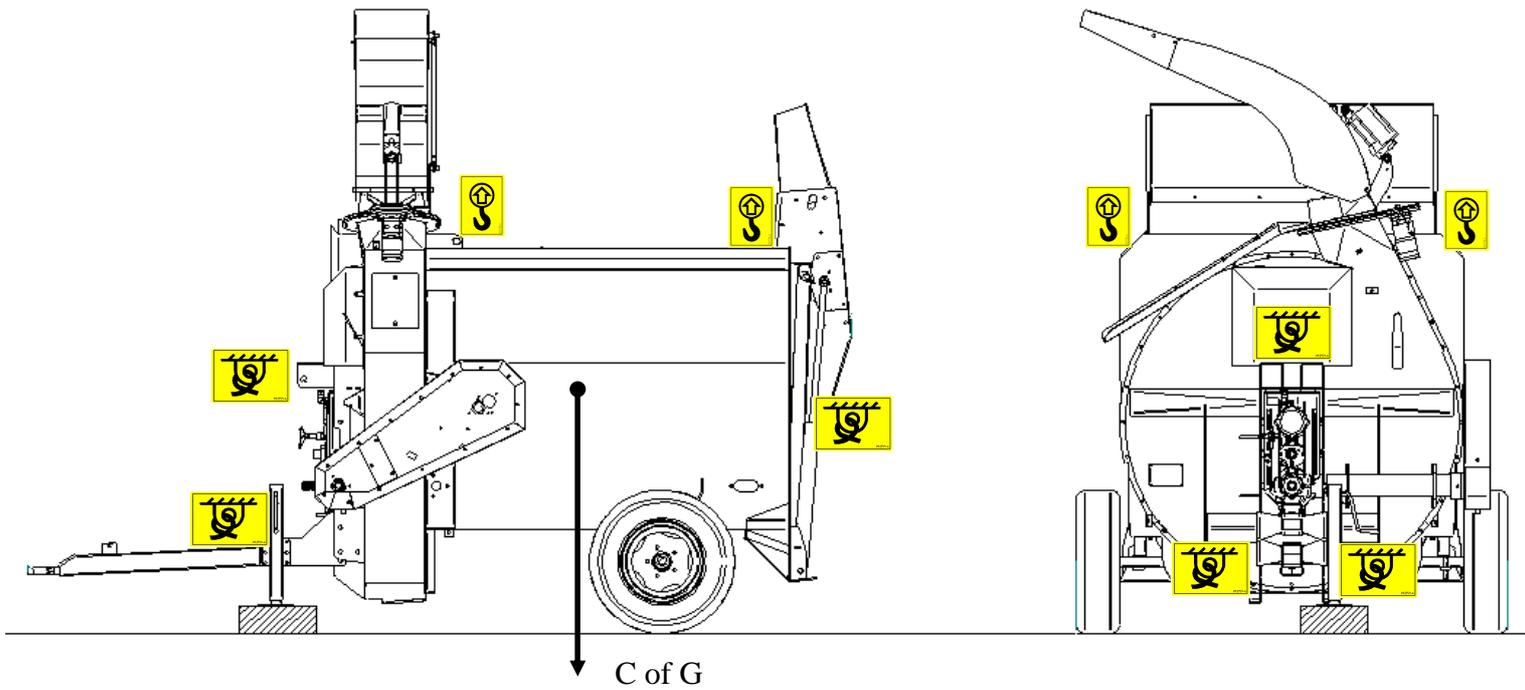
TYPE	PR 2000 R	PR 2000 R GT
Capacity	2m ³	2m ³
Maximum mulching range	18m	18m
B: Overall length	2.70m	2.70m
A: Internal length of container, door closed	1.70m	1.70m
C: Internal length of container, door open	3.00m	3.00m
D: Internal width of container	1.35m	1.35m
E: Overall width	1.79m	1.79m
F: Width with chute folded	1.91m	1.91m
G: Width with chute deployed	2.04m	2.04m
H: Container internal height	1.10m	1.10m
I: Overall height, chute deployed	2.42m	2.42m
J: Overall height, chute folded	2.21m	2.21m
K: Minimum spreading height	1.22m	1.22m
L: Maximum spreading height	2.42m	2.42m
M: Length with draw bar	3.82m	3.82m
N: Width with wheels	2.00m	2,00m
Empty weight	Kg	Kg
MAXIMUM GROSS WEIGHT	Kg	Kg

2 Lifting and tie down diagram:

Mounted



Semi-trailer



ISO 3767-1 standard lifting point, symbol 7.29.



ISO 3767-1 standard attachment point, symbol 7.34.

6. General safety rules

1) General

- 1.** Never forget that knowledge, awareness and caution are the best way to ensure your safety.
- 2.** Regulations and rules relating to accident prevention, health and safety at work, and the operation of vehicles on the public highway must be observed at all times.
- 3.** Chapter 4 (Standard operating conditions) of this Instruction Manual, contains basic directives that must be followed for the sake of your safety.
- 4.** Make sure that no person, animal or obstruction is located near the equipment before it is set in motion and throughout its operation or any other manoeuvre.
- 5.** Children must never be allowed near the equipment.
- 6.** Never carry passengers on the equipment.
- 7.** Do not step on the cowlings or on any other part of the equipment, apart from any areas provided for this purpose (ladder, platform, and means of access to the work station).
- 8.** Before carrying out any work on the equipment, ensure that it cannot be started up accidentally.
- 9.** All controls (cords, cables, push-rods, hoses, etc.) must be positioned in the locations provided for them so that they cannot accidentally initiate a manoeuvre likely to cause an accident or damage.
- 10.** Before use, after any adjustment or maintenance, ensure that all protective devices are in position and in good condition, and that their latches are engaged.
- 11.** Before use, check tightness of screws, nuts, connectors and wheels. Retighten if required.
- 12.** Do not wear loose clothing, long untidy hair and jewellery that might get caught in the moving parts of the equipment.
- 13.** Keep your hands, arms and feet well away from any moving parts, even those that are slow-moving. Keep well away from moving parts.
- 14.** If you detect any unusual noise or vibration, shut down the equipment and identify and eliminate the cause of the incident before resuming work. Contact your dealer if required.

2) Warnings/Labels

1. Warnings and labels fixed to the equipment provide information about safety measures to be taken that will contribute to the avoidance of accidents.
2. Make sure that these warnings and labels remain clean and legible. If they are damaged, ask for new labels from the manufacturer (or agent).
3. If repairs are carried out, check that the replacement parts carry the same labels as those that have been removed.

Ref: 892 640

Jeantil

INSTRUCTIONS DE SÉCURITÉ ET D'UTILISATION

1 - Lire la notice d'utilisation et vérifier les éléments de sécurité

2 - Atteler la machine au tracteur

3 - Branchement transmission primaire au tracteur :

- Adapter longueur : **jamais en butée**
- Recouvrement mini : **250 mm**
- Verrouiller sur Pd.F. 1"3/8 (autocollant **540** ou **1000** tr/mn)
- Vérifier tarage et fonctionnement du limiteur de couple

4 - Branchement électrique au tracteur :

- Signalisation : prise 7 broches
- Fonctions : direct batterie **12** volts
Fils : **2,5** mm² rouge = + bleu = -

5 - Branchement hydraulique au tracteur :

- Filtres : **propres**
- Débit mini : **30 l/mn**
- Débit maxi : 45 l/mn (au-dessus : réduire débit par diviseur)
- Pression maxi : **180 bar**
- Alimentation : (coupleur rouge), sur distributeur simple effet
- Retour : (coupleur bleu), libre, MAXIMUM 5 bar
- Circuit fermé : retour au bol filtre tracteur
remise au neutre après utilisation

ORDRE A SUIVRE IMPERATIVEMENT

- 1 - Accoupler dans l'ordre : RETOUR ensuite ALIMENTATION
- 2 - Distributeur tracteur :
 - a) en route, et **AUSSITÔT** utiliser Fonctions Hydrauliques Machine
 - b) au neutre aussitôt après utilisation Fonctions Hydrauliques Machine
- 3 - Désaccoupler dans l'ordre : ALIMENTATION ensuite RETOUR

6 - Utilisation :

- Respecter les consignes de sécurité et les instructions de la notice

IMPORTANT

Avant chaque utilisation, contrôler le bon état des :

- Éléments de sécurité
- Organes mécaniques, hydrauliques, électriques
- Éléments de circulation (flèche, roues, essieux, freins, feux...)

892 640

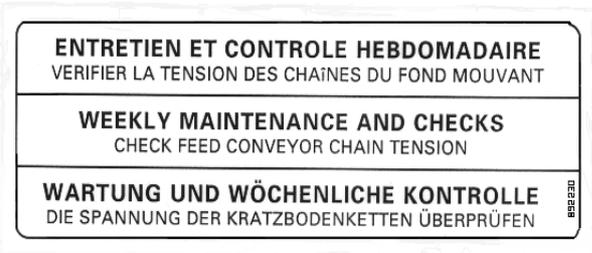
SAFETY AND OPERATING LABEL CLEARLY mounted IN FULL VIEW on the front of all items of equipment, close to those components used to connect the unit to the tractor.

Ref: 892 227

RAPPEL CONSIGNE DE SÉCURITÉ	SAFETY WARNING	SICHERHEITS- ANWEISUNGEN
<p>NE JAMAIS PÉNÉTRER OU INTERVENIR SUR CETTE MACHINE MOTEUR DU TRACTEUR EN MARCHÉ ET ÉLÉMENTS MOBILES EN MOUVEMENT.</p> <p style="font-size: 0.8em; margin-top: 5px;">(Prendre connaissance de la notice d'utilisation avant mise en service)</p>	<p>NEVER ENTER OR SERVICE THIS MACHINE WHEN THE TRACTOR ENGINE IS RUNNING OR THE MOVING PARTS IN MOTION.</p> <p style="font-size: 0.8em; margin-top: 5px;">(Read the operator's manual before using)</p>	<p>NIEMALS IN DIESE MASCHINE BEI LAUFENDEM MOTOR DES TRACKERS UND SICH IN BEWEGUNG BEFINDLICHEN TEILEN EINGREIFEN ODER EINTRETEN.</p> <p style="font-size: 0.8em; margin-top: 5px;">(Vor Inbetriebnahme die Betriebsanleitung studieren)</p>

Placed forward to R and L of the body

Ref: 892 230



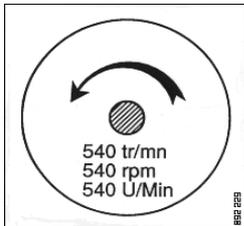
Placed to the rear R and L on the sides of the body, and on the forward face of the equipment

Ref: 892 453



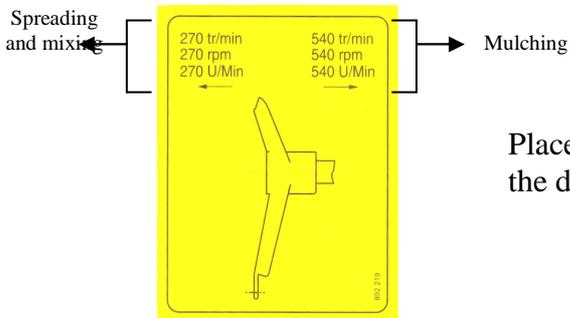
Placed low down R and L on the sides of the body

Ref: 892 229



Placed on the metal casing of the drive shaft

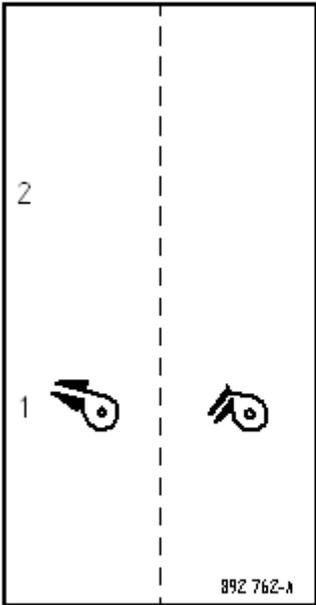
Ref: 892 219



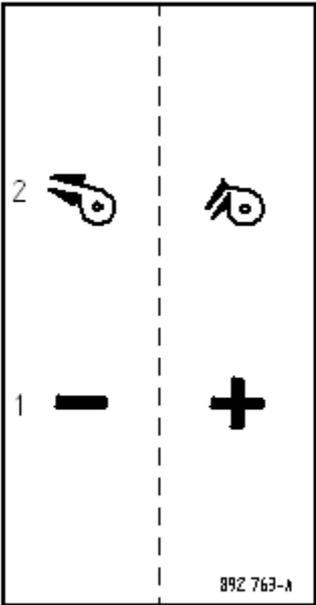
Placed on the metal casing of the drive shaft

Operating stickers (depending on equipment and options) placed on the electrical control unit, located on the forward face of the unit:

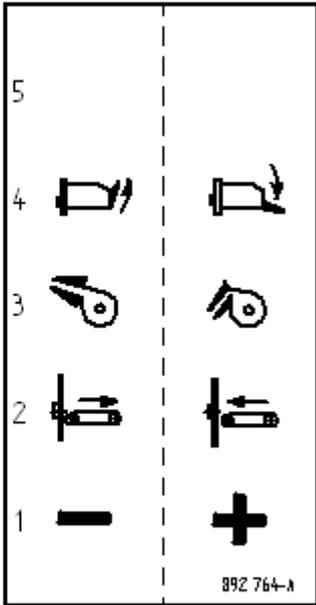
PR 2000 R



Standard

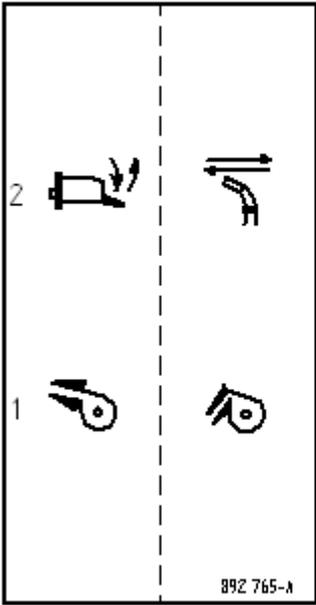


Electrical regulator

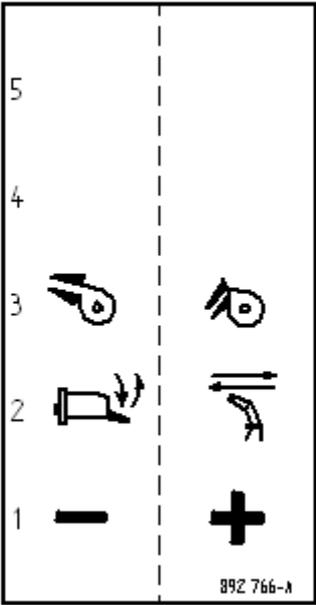


Electrical distributor

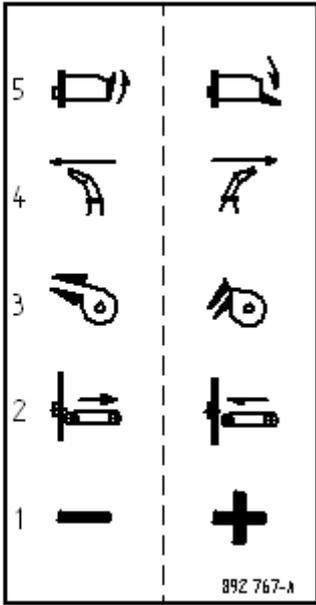
PR 2000 R GT



Standard



Electrical regulator



Electrical distributor

3) Coupling

1. See chapter 5, Technical characteristics, page 8.
2. Attaching the unit to the tractor must only be carried out using the tractor's rear coupling points provided for this purpose.
3. Check compatibility of the unit with the tractor (minimum engine power, type of coupling, tractor PTO characteristics, etc.). Keep clear of the area between the tractor and the unit until you have stopped the tractor's engine and removed the starter key.
4. Keep clear of the area between the tractor and the unit during any operation of the tractor linkage, whether this is being controlled from the cab or from outside the tractor.
5. When manoeuvring, select the lowest possible tractor gear ratio. When coupling, attach the equipment's electrical control unit in the tractor cab, ensuring that it cannot move during the operation.
6. Once the equipment has been coupled up, the hitch must be locked. Check correct locking and the condition of the coupling before any movement.
7. Check that the equipment's coupling does not create either an overload or poor weight distribution on the tractor that might compromise stability:
 - Do not exceed the maximum allowed loading for the tractor and equipment attachment points.
 - Where necessary, fit ballast weights to the mounts provided for this purpose in accordance with the tractor manufacturer's recommendations.Couple the unit to a tractor whose linkage is equipped with lateral and vertical locking devices.

4) Power Take Off (PTO) / Drive shaft

1. Read and learn the manufacturer's instructions for the drive shaft, attached to the transmission.
2. Check that the PTO guards are fitted and in good condition. Replace them immediately if damaged.
3. Adjust the length between the tractor and the unit, retaining maximum engagement.
4. Minimum engagement length is 250mm. See white instruction stickers fitted on the front of the unit, n° 892 640 (page 10).
Before each operation, check that the drive shaft is in good condition and that it is fitted and locked correctly.
5. Only use the drive shaft provided with the equipment or recommended by the manufacturer.
6. Check before each use that the speed and rotational sense of the tractor PTO are compatible with the planned usage of the equipment.

5) Clogging (or blockage of the equipment)

If the chute or turbine become blocked:

1. Declutch the tractor PTO.
2. Raise the chute to maximum.
3. Operate the feed conveyor in reverse to clear the inlet to the shredder and turbine.
4. Open the rear door.
5. Lower the straw blower fully to the ground.
6. Stop the tractor engine and remove the starter key.
7. Select the turbine gearbox to neutral.
8. Clear the chute by hand.
9. Check if the turbine blades are clogged; if necessary clear then by hand.
10. After cleaning, re-engage the turbine gearbox:
 Low gear 270 rpm for spreading
 High gear 540 rpm pour mulching
11. Enter the tractor cab.
12. Start the tractor.
13. Close the rear door.
14. Engage the tractor PTO while rotating the turbine at low rpm and accelerate up to a PTO speed of 540 rpm.
15. Continue the operation that was interrupted, mulching or spreading.
16. If the blockage has not been cleared, repeat the operation from paragraph 1.

6) Maintenance and repair

6. a / General:

1. Maintenance and repair operations must only be carried out by qualified personnel.
2. Always maintain the equipment and its accessories in perfect working order to ensure safe and efficient operation.
3. Check the cleanliness of the oil.
4. Respect maintenance periods.

Before any servicing or repair:

5. Check the stability of the unit and its components.
6. Lower the unit to the ground.
7. Fit any stability devices provided (stand etc).
8. Check that all moving parts are stopped.
9. Declutch the tractor PTO.
10. Disconnect the hydraulic hoses between the tractor and the unit.
11. Stop the engine and remove the starter key; disconnect the battery (or the electrical supply).
12. Apply the hand brake.
13. Select the equipment gear ratio selector to neutral.
14. Allow any component likely to be at a high temperature to cool.

6. b / Welding operations:

1. When carrying out any welding operation on the equipment, disconnect the electrical supply and the tractor battery.
2. Disconnect and protect any hoses (particularly rubber) and any electrical cables to ensure that they are not damaged by incandescent particles that could cause fluid loss or a short circuit.

6. c / Work on tyres:

1. Only carry out work on tyres if you have the necessary special tools and experience.
2. Incorrect fitting could seriously compromise your safety.
3. If in doubt, call in qualified personnel.
4. Do not fit tyres of different characteristics from those recommended by the manufacturer.
5. Ensure that the tyres are inflated to the pressures recommended by the tyre manufacturer (see sticker page 16).

6. d / Electrical servicing:

Before carrying out any work on the electrical system, disconnect the electrical supply.

6. e / Hydraulic servicing:

1. Select all hydraulic spool valves to neutral (rest).
2. Stop the engine and remove the starter key.
3. Before working on the hydraulic system, check that the installation is not pressurised.
4. Eliminate pressure before disconnecting hydraulic lines.
5. Before restoring pressure in hydraulic lines, check that all connectors are fully tightened and that the hydraulic hoses are in good condition and correctly protected.

6. f / Repairs:

1. Any failure that might compromise safety must be eliminated.
2. Carry out immediate repairs to any leak or failure affecting the hydraulic or electrical systems. These must be done by qualified personnel.
3. Do not attempt to find a hydraulic fluid leak (when pressurised) using the fingers.
4. Damaged or defective protective devices or casings must be replaced immediately.
5. The operation of any original protective device fixed to the equipment must not be modified.
6. Hydraulic hoses that originate from another hydraulic system must not be re-used.
7. Rigid hydraulic lines must not be welded. When a rigid or flexible line is damaged, it must be replaced immediately.
8. Repairs affecting components under pressure or electrically powered require special tools and procedures. They must be carried out by qualified personnel.

7. Environmental protection

Ground pollution:

1. Take care not to spill or discard in any drainage system any used lubricating oil or other substances such as hydraulic fluid.
2. Collect used fluids in sealed, clean containers designed for the purpose. Avoid using containers used for foodstuffs or drinks bottles.
3. Used tyres. It is against the law to store tyres or to dump them, dispose of them in the natural environment or burn them in the open air. Take them to a dealer or an approved collector.

8. Fitting and Installation

Linkage with the tractor

1 - COUPLING

1. See page 8 technical characteristics / and page 20 coupling.
2. Read the warning notice on page 12: Ref: 892 640.
3. Couple the ring on the drawbar of the straw blower to the attachment point or axle hook on the rear of the tractor.
4. Check that it is latched.

2 - DRIVE SHAFT

PRIMARY DRIVE SHAFT

1. See page 14: PTO / Drive shaft
2. Read the warning notice on page 12 Ref: 892 640.
3. Read the manufacturer's instructions concerning the drive shaft, attached to the transmission.
4. Check condition of the safety guard. If it shows any sign of damage, it must be replaced before the equipment is used.
5. The drive shaft links the tractor to the straw blower.
6. Fit the primary straw blower drive shaft to the tractor rear PTO outlet, and adjust its length, retaining maximum engagement. Minimum engagement length is **250 mm**.
7. Ensure than both jaws have engaged correctly.
8. The primary drive shaft must be connected to the **540 rpm** rear PTO of the tractor; see adjacent sticker Ref: 892 229.

3 - HYDRAULICS

1. See page 19: Hydraulic servicing and repairs
2. Read the warning notice on page 12: Ref: 892 640.
3. **Straw blowers are designed to operate with a maximum fluid flow rate of 45 l/min at a maximum pressure of 180 bars.**

4. Unit directly controlled directly from the tractor.
 - Connect the equipment's hydraulic hoses to the tractor's two double-action hydraulic spool valves with the feed conveyor connected to the tractor's priority regulated supply.
 Unit with spool valve.
 - The spool valves are fitted with a pressure limiting valve set at **180 bars**.
5. The spool valve must be **linked directly** to tractor pump pressure via its **single-action spool valve** with the **return always routed directly and unrestrictedly to the tractor's fluid reservoir**.
6. Avoid connecting to a double action tractor spool valve (pressure loss) unless the tractor spool valve makes provision for this.
7. The hydraulic pressure line is always located close to the pressure limiter on the straw blower spool valve; it carries a **red** collar. The return hose carried a **blue** collar.

OPTION:

8. Tractor with fluid flow that exceeds 45 l/min.:

Provide a flow divider to be installed on the straw blower upstream of the "PRESSURE" orifice on the spool valve pack, or contact your dealer to check whether it is possible to adjust tractor fluid flow rate.

9. Closed circuit tractor: (e.g.: John DEERE)

a- To operate the equipment without posing a problem to the tractor, engage the tractor spool valve and immediately operate the equipment's hydraulic functions.

b- As soon as the equipment's hydraulic functions have been used, return the tractor's spool valve to NEUTRAL.

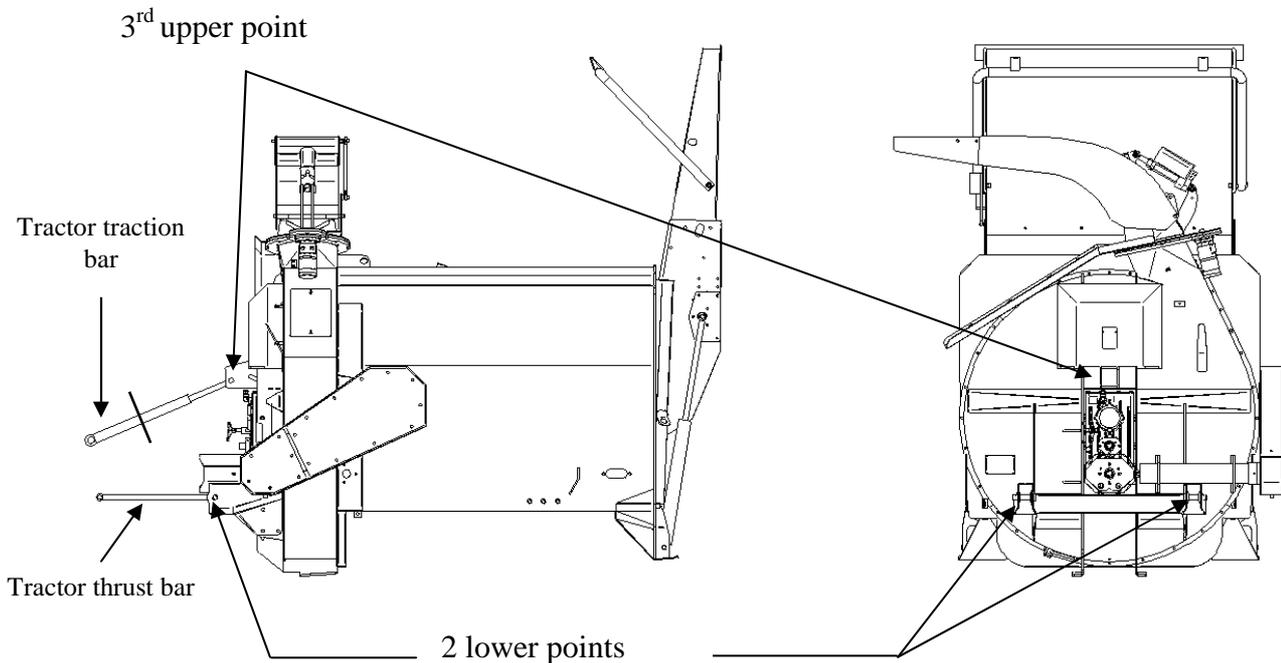
c- For earlier models of John Deere tractors (prior to the 6000 series), check that the tractor's hydraulic system is not vibrating and that the equipment's return hose is connected to the tractor's filter bowl; this is to avoid CAVITATION and pump depriming (if you experience problems, contact your John Deere dealer)

4 – ELECTRICAL

1. See page 18 and 19 section 6: Maintenance and repair.
2. **Read sticker page 12 Ref: 892 640.**
 All types of equipment (direct tractor control or spool valve) require electrical power:
 - Connection is made to the battery from a direct electrical line
 - Voltage: **12 volts DC**
 - Section for both conductors: **2.5 mm²**. The **brown** wire is to be connected to **battery +**, and the **blue** wire to **battery -**.

9. Adjustment and maintenance

1- 3-POINT ATTACHMENT



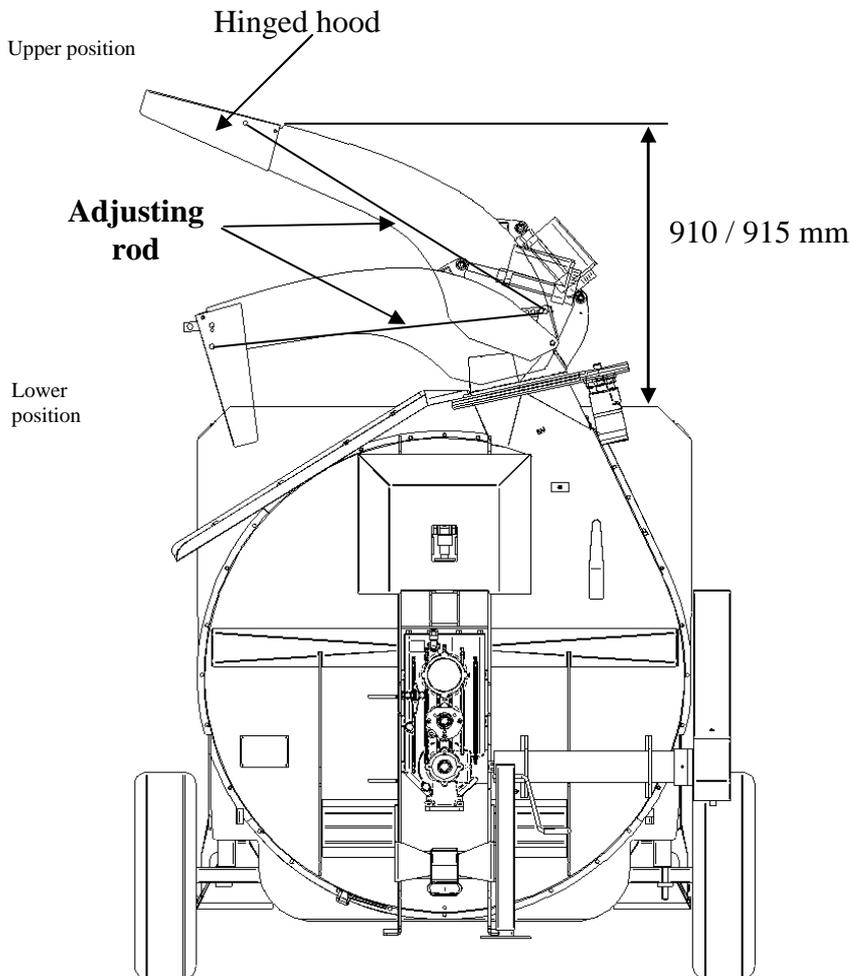
1. Lateral movement of the 2 lower thrust bars of the tractor attachment must be limited by the tractor's 2 stabiliser bars.
2. The tractor's adjustable traction bar, connected to the 3rd upper point on the tractor, must be adjusted so that in the upper position, the straw blower is horizontal and in the lower position the blower rests on the ground.

2-ATTACHING THE ELECTRIC CONTROL UNIT

1. The electrical control unit hangs on the hook provided on the front face of the equipment, when it is detached from the tractor.
2. A 2nd hook is delivered with the unit for fixing inside the tractor cab (control station) for when the equipment is in use. This installation is to be carried out by the dealer-mechanic.
3. The unit must not be operated when away from the control station in the tractor cab. The user must therefore never use the electric control unit alongside the unit.

3-UNIVERSAL CHUTE

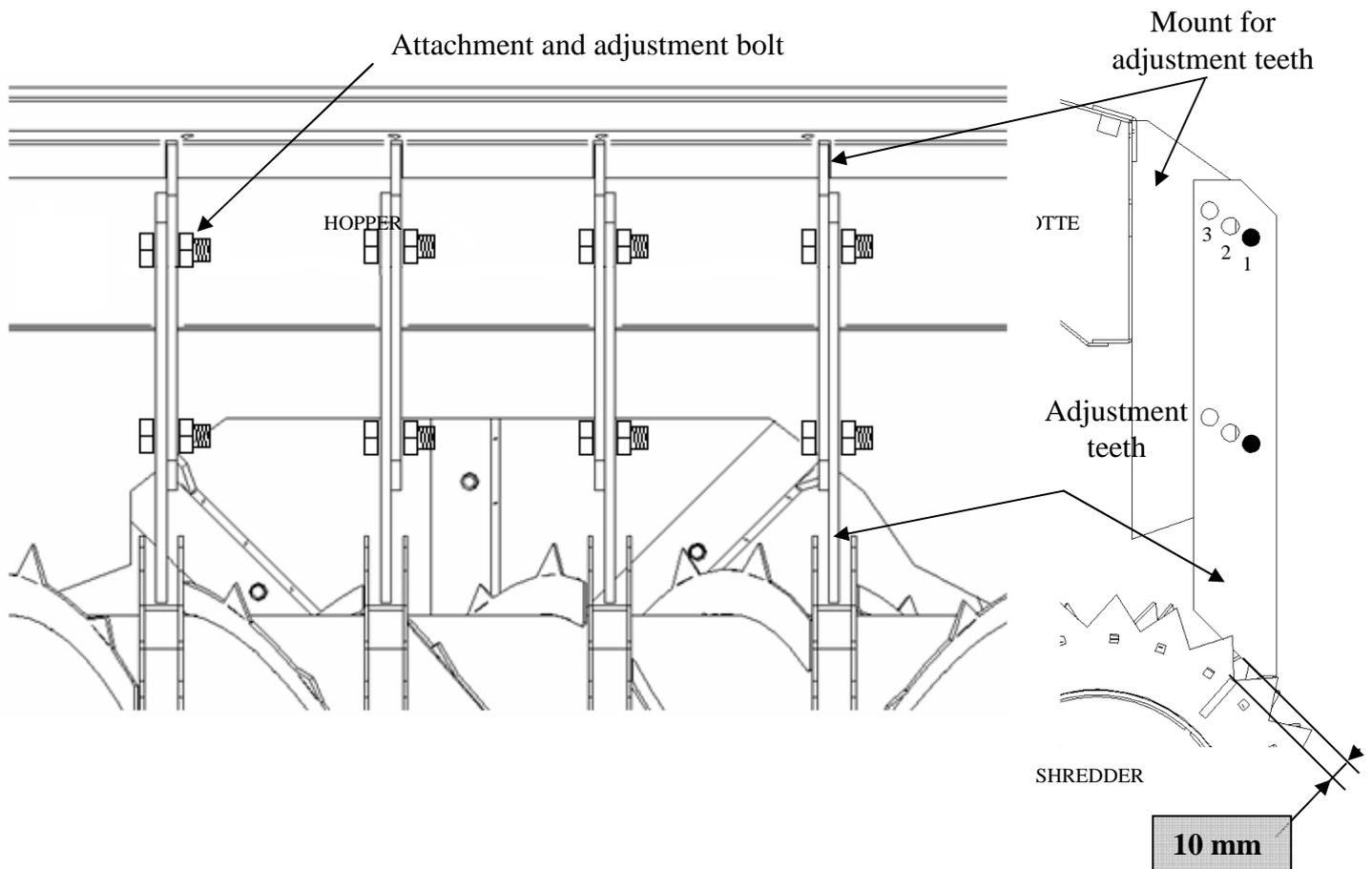
Upper and lower position of the chute



1. The straw blower is delivered ex-factory with the hinged hood set to the upper position.
2. Adjustment is achieved using the adjusting rod in steps to left or right using a 21 mm open-ended spanner.
3. In the upper position, the check dimension is between 910 / 915 mm.
4. For a specific application, different settings may be used by changing the length of the rod; you may also contact your dealer.

4-SHREDDER

4 adjustment teeth for the shredder, seen from inside the body looking forwards.



The straw blowers are delivered with 4 adjustment teeth bolted in upper position 1, corresponding to the holes at the base of the adjustment teeth
Position 1 = mulching and wrapped bales (standard products).
Position 2 and 3 for more difficult products with long strand wrapped bales; gives a reduced output rate especially when mulching, increases crushing of the straw and limits the unit's output.

5 - CHAIN TENSION

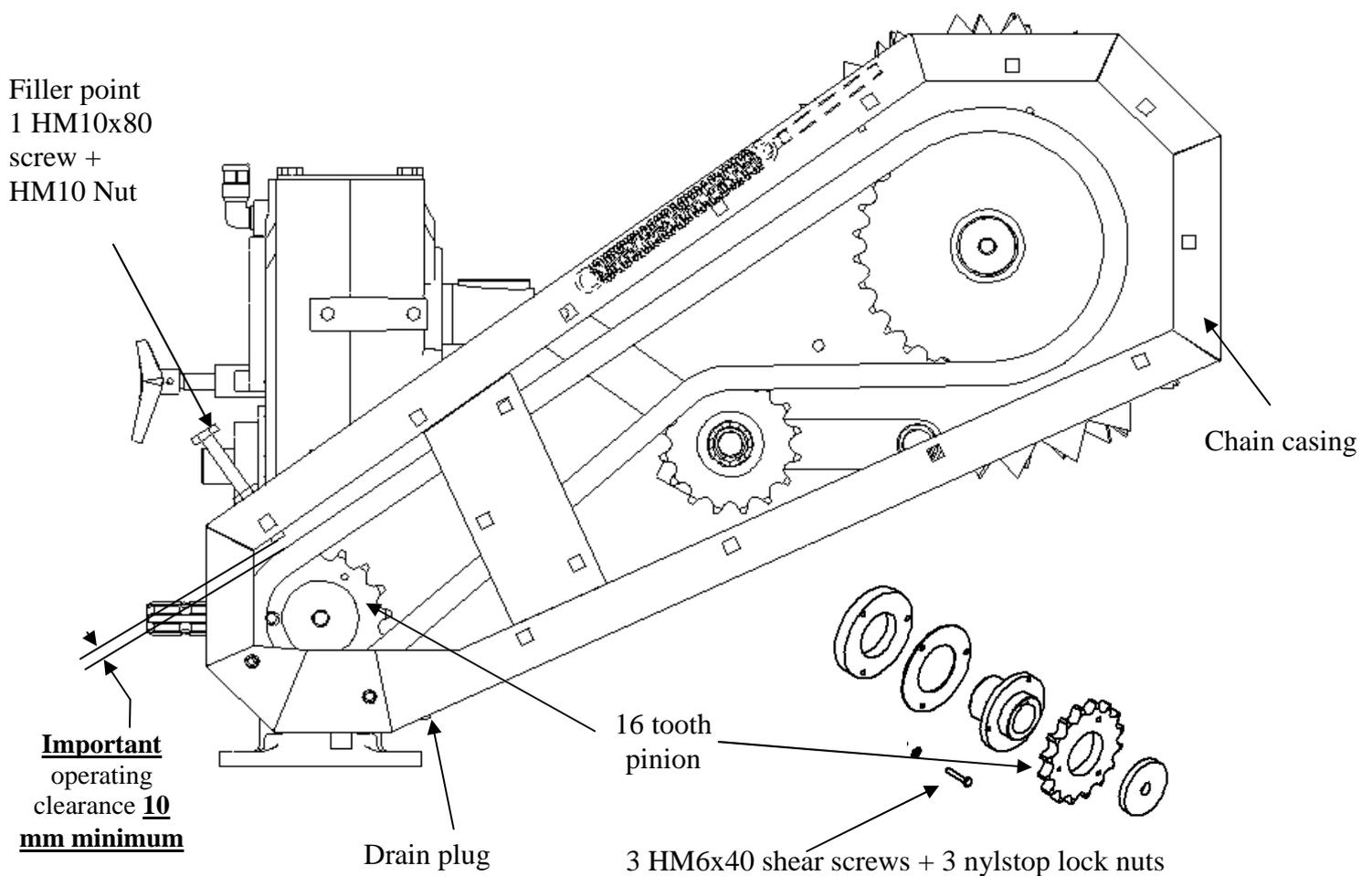
A: Feed conveyor drive chains

1. Follow the instructions on the stickers at the back of the unit; for feed conveyor chains see page 11 (24 mm spanner).
2. Check tightness of attachment screws for the feed conveyor connector bars, especially during the first hours of operation (17 mm spanner).
3. During the running in period, the chains may stretch significantly.

B: Shredder drive chain

1. Tension maintained by automatic spring tensioner in the sealed casing; see page 14 for lubrication chart.
2. To be checked (every month).

6-SHREDDER SAFETY BOLTS



1. 3 partially threaded galvanised HM6x40 shear screws (cylindrical section under head 22 mm \pm 1) 80 kg/mm² N° 735 608 + galvanised HM6 nylstop lock nut N° 747 206.
2. If replacement is required, use new screws and nylstop lock nuts, ensuring that the screw specifications above are rigorously respected.
3. Procedure for replacement without draining the oil:
 1. Remove the lower casing cover by unscrewing the 6 x 10 mm screws using a 17 mm spanner.
 2. Avoid damaging the gasket.
 3. Remove the casing filler screw, using a 16 mm spanner.
 4. Replace it with an HM10x80 fully threaded screw, with an HM10 nut screwed down to just below the screw head.
 5. Screw in this long screw until it contacts a space in a chain link on the 16-tooth drive pinion; this locks the chain.

6. Use a 24 mm angled socket spanner to turn the screw on the end of the 16-tooth pinion to line up the 3 holes in the pinion with the 3 corresponding holes in its hub located behind.
7. Clear any screw debris from the 3 holes and collect all this debris.
8. Fit 3 new screws and nylstop nuts (10mm open-ended spanner and socket spanner).
9. Slacken the long screw to release the chain, **leaving at least 10 mm of clearance** between the chain links and the end of the screw.
10. Tighten the locknut.
11. Refit the casing lower cover.

7 – WHEEL INFLATION

1. Check tightness of wheel nuts and inflation pressure:
 - Wheel dimensions: 205x60x15, 5 hole type.
 - Tyre pressure 3.2 Bars; check once a week.

8-LUBRICATION

1. See lubrication chart on page 14 for the location of lubrication points.
2. The various lubrication points are arranged as follows:
 - 1 grease nipple on the upper spindles of the 2 rear door actuators
 - 1 grease nipple on each of the 2 shredder bearings
 - 1 grease nipple on each of the 2 shaft bearings for the feed conveyor
 - 1 grease nipple on the gearbox output shaft
 - 2 grease nipples on the rotating chute
3. Greasing frequency: all nipples once a week.
4. Oil weekly all hinges that are not fitted with grease nipples.

9- FEED CONVEYOR REDUCTION GEAR

1. **Never drain** (lubricated for life)
 The reduction gear is lubricated for life. It therefore requires no attention. It has no plug for refilling, level checking or draining; on build it was filled with the required quantity of lubricant:
 1 kg of grease or
0.870 litre SAE 90 oil
2. If a repair operation must be carried out inside the casing, either oil or grease can be installed before reassembly.
 Never mix oil with grease; the reducer gear therefore has to be fully drained and cleaned before refilling with lubricant.

10 - GEAR BOX

- Makes - Comer: 5 litres **SAE 90 EP oil**. Change yearly.
- GB: 6.65 litres **SAE 90 EP oil**. Change yearly.

11 - HYDRAULIC HOSES

1. See page 17 Section: Maintenance and repair.
2. Once a week check the condition of the hydraulic hoses, especially sections in contact with the equipment.
3. Once a week check for leaks from the hydraulic connectors.
4. Retighten the hydraulic connectors if required after the first few hours of operation.

10. Start up and Operation

1. Our straw blowers will give reliable and satisfactory service if used within their normal limits.
2. Never exceed the stated maximum load.
3. Before loading the straw blower when first used and every time after a period of inactivity, operate the feed conveyor for one complete revolution.

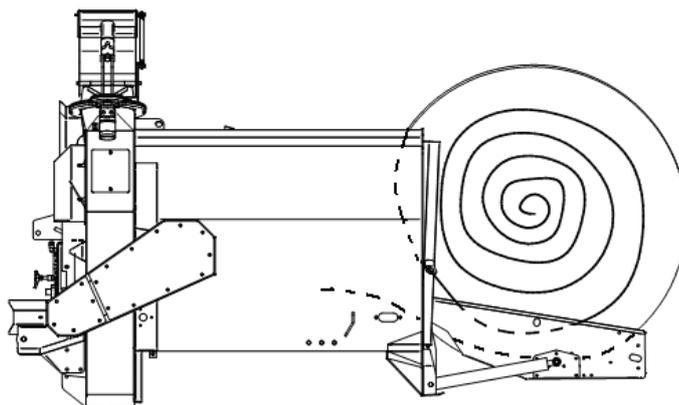
1. LOADING

Ensure that under no circumstances during operation does anyone enter the potential danger areas around the blower unit.

1) Round straw bales

A) With door only without extension.

1. Fully lower the unit onto the ground.
2. Open the door fully.
3. Stop the tractor engine.
4. Load the bale using a front loader or other suitable device by gently placing the bale on the door with the free end feeding into the hopper (see diagram).



5. Cut and remove the strings or net.
6. If the bale is of small diameter, and located against a wall, partition or stack, climb into the cab and reverse the tractor so that the door slides under the bale. Cut and remove all the string or net using a knife and protective gloves.
7. From the tractor cab close the door to roll the bale into the hopper.

B) With door + 500 mm short extension

The short extension option facilitates the loading of large straw bales, up to a maximum of 1.80 metres diameter.

C) With door + 1 metre long extension

The long door extension is mainly intended for use with large square “BIG BALES”.

II) Square BIG BALE type straw bales

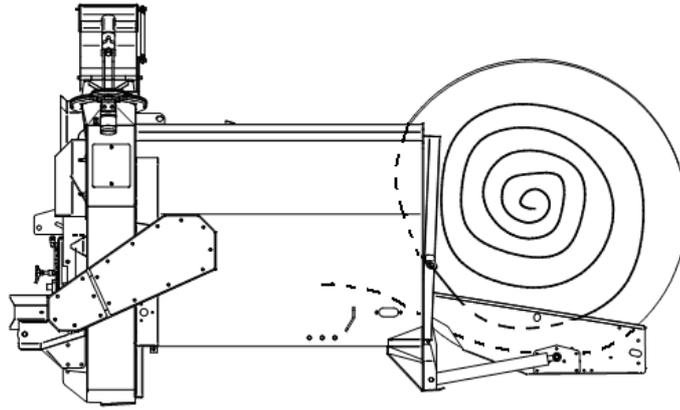
With door + 1 metre long door extension

1. Fully lower the straw blower onto the ground.
2. Fully open the door.
3. Stop the tractor engine.
4. Unlock the door extension closure hoop by slightly lifting and holding the horizontal section of the hoop then pressing on the side pedal to unlock it and, while holding the hoop, folding it fully down until it rests on the ground.
5. Load the bale using a front loader or other suitable device by gently placing the bale on the door.
6. Manually fully raise the hoop; the pedal will lock automatically once it reaches its top position.
7. Cut and remove all the string or net using a knife and protective gloves.
8. Do not try to raise the door.

III) Round wrapped silage bales

A) With door only without extension

1. Fully lower the unit onto the ground.
2. Open the door fully.
3. Stop the tractor engine.
4. Load the bale using a front loader or other suitable device by gently placing the bale on the door with the free end feeding into the hopper (see diagram).



5. Cut and remove the strings or net.
6. If the bale is of small diameter, and located against a wall, partition or stack, climb into the cab and reverse the tractor so that the door slides under the bale. Cut and remove all the string or net using a knife and protective gloves.
7. From the tractor cab close the door to roll the bale into the hopper.

B) With door + 500 mm short door extension

The short extension option facilitates the loading of large straw bales, up to a maximum of 1.80 metres diameter.

C) With door + 1 metre long door extension

The long door extension is mainly intended for use with large square “BIG BALES”.
 - From the tractor cab close the door to roll the bale into the hopper.

2. MULCHING

Ensure that under no circumstances during operation does anyone enter the potential danger areas around the blower unit or the trajectory of the mulching chute.

1) Round straw bales

1. With the straw blower lowered onto the ground, tractor engine stopped, dismount from the tractor cab.
2. On the turbine gearbox, while stationary, select the mulching speed of 540 rpm, high gear. See sticker near the PTO.
3. Re-enter the cab.
4. Do not put the bale hard against the shredder; leave adequate space by slightly opening the door.
5. Turn the spray chute in the desired direction for mulching and raise it to maximum height.

6. Progressively accelerate the turbine to 540 rpm; wait a few seconds for the spray chute to empty, and then start the feed conveyor at its minimum speed.
7. Adjust the feed conveyor to maximum so that the bale rotates continuously on the feed conveyor, and depending on the rate of feed of straw into the chute.
Note:
 - If the blower unit is not fitted with a fluid flow regulator, feed conveyor speed adjustment is achieved using the tractor's hydraulic spool valve or the pump regulator if fitted.
 - If the blower is fitted with a fluid flow regulator, use the electric - + push-button to reduce or increase speed.
8. Check that the round bale is turning regularly; adjust the feed conveyor speed if necessary to maintain regular rotation.
9. In difficult situations, if for example the shredder takes too much straw and there is a risk of clogging the turbine or the outlet chute, the shredder's 4 adjustment teeth can be adjusted by lowering them to position **2** or even **3** (8 x 16 mm bolts, 24 mm spanner).
10. Move the outlet chute in the vertical plane to achieve even mulching.
Note:
If the straw blower is fitted with a rotating outlet chute, use this function to vary the trajectory in the horizontal plane. Rotate it smoothly and carefully.
11. If straw stops appearing from the chute for between 3 and 5 seconds, reverse the feed conveyor to restart the mulching.
12. On completion of mulching, reduce turbine speed.

II) Square BIG BALE type straw bales

1. With the straw blower lowered onto the ground, tractor engine stopped, dismount from the tractor cab.
2. On the turbine gearbox, while stationary, select the mulching speed of 540 rpm, high gear. See sticker near the PTO.
3. Re-enter the cab.
4. Ensure that the bale is not touching the shredder, and that adequate clearance exists between the shredder and the start of the bale, so that the first folds of straw may, when the operation starts, contact the shredder freely.
5. Otherwise operate the feed conveyor briefly in reverse for 3 to 5 seconds to avoid sudden frontal contact of the bale with the shredder on start up.
6. Turn the spray chute in the desired direction for mulching and raise it to maximum height.

7. Progressively accelerate the turbine to 540 rpm; wait a few seconds for the spray chute to empty, and then start the feed conveyor at its minimum speed.
8. If possible slowly increase feed conveyor speed while checking that the straw folds do not rise above the shredder hopper; if this happens, engage reverse briefly.
9. In difficult situations, if for example the shredder takes too much straw and there is a risk of clogging the turbine or the outlet chute, the shredder's 4 adjustment teeth can be adjusted by lowering them to position **2** or even **3** (8 x 16 mm bolts, 24 mm spanner).
10. To avoid clogging in difficult situations, it may be necessary to occasionally stop the feed conveyor or reverse direction very briefly if the straw folds tend to rise in the hopper above the shredder or if the shredder ingests too much straw.
11. Throughout the initial part of the mulching, the door remains open.
12. Move the outlet chute in the vertical plane to achieve even mulching.
Note:
If the straw blower is fitted with a rotating outlet chute, use this function to vary the trajectory in the horizontal plane. Rotate it smoothly and carefully.
13. During the second part of the mulching, as the bale is moved forward by the feed conveyor, the door no longer bears the weight of the bale and should be progressively closed for safety reasons so that the bale continues to advance on the feed conveyor.
14. On completion of mulching, reduce turbine speed.

SPREADING USING WRAPPED ROUND SILAGE BALES

Ensure that under no circumstances during operation does anyone enter the potential danger areas around the blower unit or the trajectory of the spray chute.

1. With the straw blower lowered onto the ground, tractor engine stopped, dismount from the tractor cab.
2. On the turbine gearbox, while stationary, select the spreading speed of 270 rpm, low gear. See sticker near the PTO.
3. Re-enter the cab.
4. Tilt the straw blower forwards so that the bale is permanently in contact with the shredder
5. Turn the spray chute in the desired direction for spreading and raise it to maximum height.
6. If the wrapping tends to block the turbine outlet, the chute is set too low; increase its height.
7. Progressively accelerate the turbine up to 540 rpm, wait a few seconds for the spray chute to empty, and then start the feed conveyor at its minimum speed.

8. Then adjust the feed conveyor speed so that the bale rotates continuously on the feed conveyor, and depending on the rate of feed of silage into the chute.
 - a. Note:
 - b. If the blower unit is not fitted with a fluid flow regulator, feed conveyor speed adjustment is achieved using the tractor's hydraulic spool valve or the pump regulator if fitted.
 - c. If the blower is fitted with a fluid flow regulator, use the electric - + push-button to reduce or increase speed.
9. Always maintain a speed of 540 rpm until the end of the operation to avoid wrap-around the shredder.
10. Check that the round bale is turning regularly; adjust the feed conveyor speed if necessary to maintain regular rotation; maintain the highest possible feed conveyor speed.
11. If the straw blower is fitted with a rotating outlet chute, use this function to vary the trajectory in the horizontal plane. Rotate it smoothly and carefully.

11. Additional equipment information

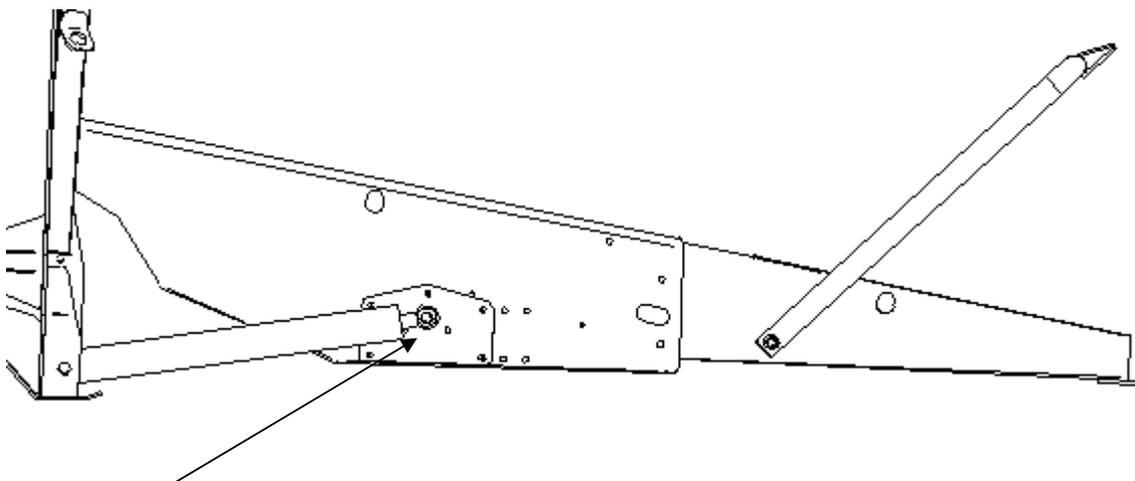
1- Hydraulic flow divider for tractor flow rates exceeding 45l / min (Ref tarif 8958) N° 824403

- To be fitted between the tractor pressure outlet and pressure inlet on the straw blower's hydraulic spool valve.

2- 1 m DOOR EXTENSION (Ref tarif 91565)

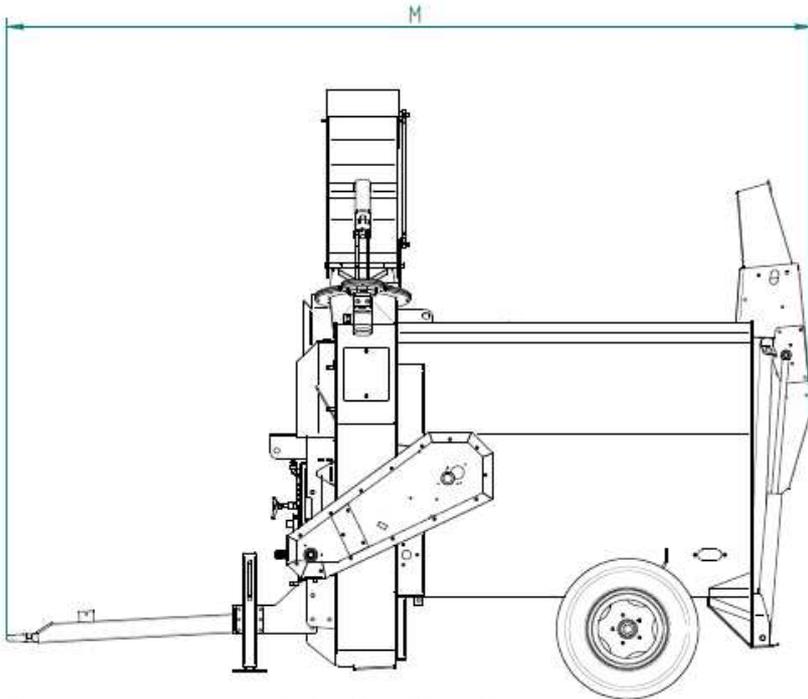
SAFETY

To be bolted firmly to the rear access door.



Adjust the door actuator attachment plate so that the door extension touches the ground when the unit is lowered to the ground.

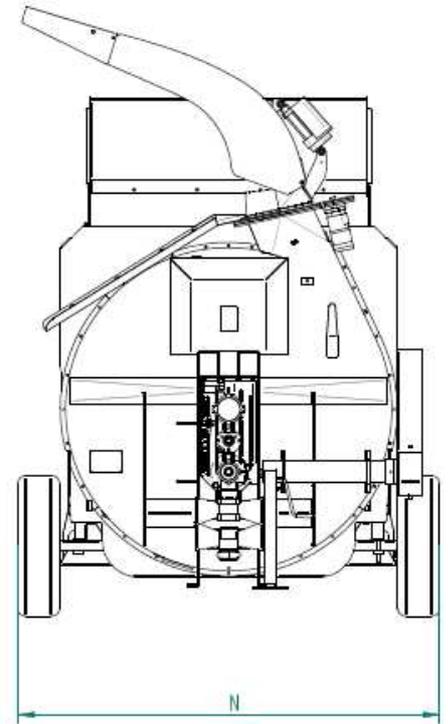
3 Semi-trailer kit (wheel-axle + drawbar)



Drawbar eye dia. 50 mm ISO 5692 / DIN 9678

On axle hook or tractor strong point

Or,
TOWING YOKE on tractor coupling bar (check that the coupling bar will support FA
MAX).



12. Cleaning

Cleaning method:

1. Cover all parts that need protection from water penetration or from cleaning products.
2. Periodically wash the unit with a hose.
3. If a high pressure water jet is used, do not hold this too close to the straw blower; avoid directing the jet at electronic components, the engine or electrical connections, hydraulic lines and hoses, seals, filler plug, etc.
4. Lubricate the equipment as soon as it is dry.

13. List of technical documents

I. Supplier spare parts.

1. Hydraulic equipment N°:

- **902 011-1-A** feed conveyor reducer gearbox.
- **904 063-2-A** Spool valve components.
- **904 126-1-A** 6/2 circuit selector.
- **904 037-1-A** Hydraulic actuator.
- **904 038-1-A** Anti-return valve and coupler on return line.
- **900 002-1-A** Uneven speed on feed conveyor.

2. Electrical equipment N°:

- **902 001-1-A** Feed conveyor flow regulator.
- **902 014-A** Electrical actuator.

3. Electrical and hydraulic diagrams N°:

- **902 113-1-A** PR 2000 R Electrical control with spool valve + flow divider 45 l/min, Ref tarif: 8663 + 8958.
- **902 114-1-A** PR 2000 RGT direct tractor, Ref tarif: 8561.
- **902 115-1-A** PR 2000 RGT direct tractor + electrical feed conveyor speed regulator, Ref tarif: 8561 + 8662
- **902 116-1-A** PR 2000 RGT Electrical control with spool valve, Ref tarif: 8664.
- **902 117-1-A** PR 2000 RGT Electrical control with spool valve + flow divider 45 l/min, Ref tarif: 8664 + 8958.
- **902 110-1-A** PR 2000 R direct tractor, Ref tarif: 8560.
- **902 011-1-A** PR 2000 R direct tractor + electrical feed conveyor speed regulator, Ref tarif: 8560 + 8662
- **902 112-1-A** PR 2000 R Electrical control with spool valve, Ref tarif: 8663.

4. Drive shafts N°:

- **904 048-1-A (mounted)** Standard WALTERSCHEID drive shaft N° 811087.
- **904 051-1-A (Semi-trailer)** Standard WALTERSCHEID drive shaft N° 811064.

5. Gearbox N°:

- **902 002-1-A** Two-speed gearbox with side output COMER N° 814184.
- **902 124-1-A** Two-speed gearbox with side output GB N° 814199.

II. JEANTIL spare parts.

- **902 119-1-A** Double bottom PR 2000.
- **902 120-1-A** Exploded view of gearbox output shaft PR 2000.
- **902 121-1-A** Shredder PR 2000.
- **902 122-1-A** Rigid axle PR 2000.
- **902 123-1-A** Chute PR 2000.
- **902 125-1-A** Turbine and blades PR 2000.
- **902 126-1-A** Door and extension PR 2000.