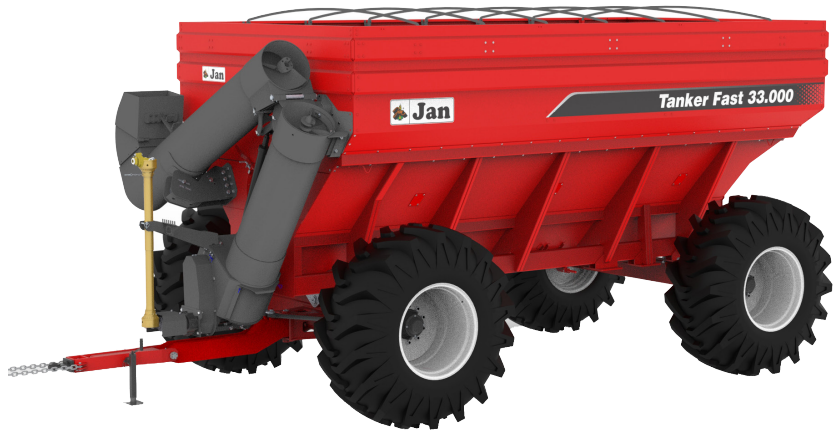




Operator's Manual



**TANKER
FAST
19,000
33,000**

Congratulations!

You have just acquired a product that is the result of more than four decades of experience in grain transport, with proven success.

The Tanker Fast 19,000 and 33,000 meet your grain transfer and transport needs with high performance, efficiency, and ease of operation.

The Tanker Fast 19,000 is designed exclusively for rice, while the Tanker Fast 33,000 is intended for grains in general.

In order to obtain increased productivity and profitability, it's necessary for your harvesting equipment to work continuously. With this in mind, the Tanker Fast 19,000 and 33,000 line was developed with a dismountable carbon steel structure.

All equipment developed by Jan is extensively field-tested to meet your requirements. Therefore, this Manual is another effort on our part to ensure your satisfaction with the product, allowing you to enjoy, in a practical and efficient way all the benefits that the Tanker offers.

In addition, this manual provides instructions for the correct preventive maintenance and conservation of the equipment, as well as instructions on how to proceed when Technical Assistance is required.

Before operating the Tanker for the first time, carefully read all safety recommendations.

Our effort does not stop there, as we have a Technical Support Department always ready to assist you: see chapter 9.

Contact us whenever necessary.

IMPLEMENTOS AGRÍCOLAS JAN S/A

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**NOTE:**

- *Due to its policy of ongoing product improvement, Jan reserves the right to make changes and improvements without this implying any obligation regarding previously manufactured products. Therefore, the content of this manual is updated until the date it was printed, and may suffer changes without prior notice.*
- *The purpose of this manual is to provide instructions covering the implement/machine in its entirety, with accessories and variations. Therefore, it assumes no responsibility regarding the configuration of the implement just acquired; that is, some items described in this manual may not be present on your implement/machine.*
- *Some illustrations may show details slightly different from those found on your implement/machine, as they were obtained from prototype machines, without this affecting the understanding of the instructions.*
- *Some pictures shown in this Manual were obtained by removing the guards and shields from the implement/machine in order to make identification easier. However, do not operate your Tanker without such protections.*
- *Work while respecting nature: do not dispose of waste, oils, filters, batteries, fuels and other contaminants in the environment. These practices harm your health, your family's health and even future generations. Send used products for proper recycling. The environment will thank you.*

Although we know that safety is, above all, a matter of awareness and good judgment, this manual presents a series of precautions to be taken when using the Tanker Fast.

Remember: all equipment has operating capacities and limitations. For your safety, do not abuse them.

Please note that it is not possible to list here all risk situations involved in the assembly, operation and maintenance of the equipment and, as previously stated common sense must be used.

**NOTE:**

Apart from the safety recommendations contained in this manual, review the recommendations contained in your tractor's Manual.

2.1 - Warning Symbols used in this manual.**NOTE:**

This symbol here with the word "NOTE" indicates special interest points to maintenance or operation instructions. Failure to follow these recommendations may result in reduced performance, decreased service life or minor damage to the equipment and indirect risks to your safety, as well as voiding the factory warranty.

**IMPORTANT:**

The symbol shown next to it and the word "IMPORTANT" are used to highlight special instructions and/or procedures that, if not followed, may result in premature equipment wear and risk of minor to moderate personal injury, in addition to voiding the factory warranty.

**ATTENTION!**

The symbol beside it and the word "ATTENTION" identify instructions that, if not observed, represent a risk of accidents with serious bodily injury and even death, as well as severe damage, total loss of the equipment and loss of the factory warranty.

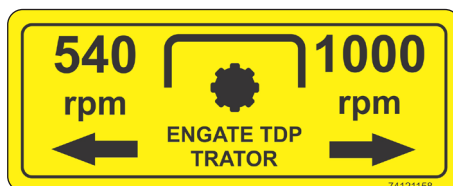
2.2 - Tanker Safety Decals

The Tanker has decals containing the major safety precautions related to the use of the equipment.

Always keep the decals in good condition. In case of damage or repainting of the Tanker, these can be obtained as replacement parts: simply request them using the code located in the lower right corner of the decals.



Code: 74141077 - Reflective strip for improved visibility.



Code: 74121158 - Tractor PTO speed selection.



Code: 74094005 - Request the instruction manual from the dealer.



Code: 74094004 - Retighten the bolts periodically.



Code: 74074076 - Relieve hydraulic system pressure before performing any maintenance.



Code: 74141035 - Transporting people on the implement is not allowed.



Code: 74074074 - Change the oil after the first thirty hours of operation.



Code: 74011012 - Grease daily.



Code: 74121043 - Avoid operating the unloading system with the tube full of product.



Code: 74121044 - Avoid operating the unloading system with the tube full of product.



Code: 74121041 - Use the support stand when the Tanker is uncoupled from the tractor drawbar.



Code: 74121037 - Level the Tanker and stabilize weight transfer to the drawbar.



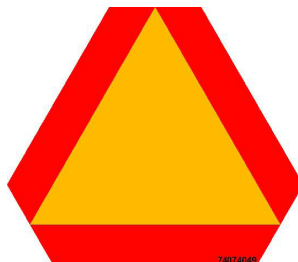
Code: 74121155 - Do not open the inspection cover while the implement is in operation.



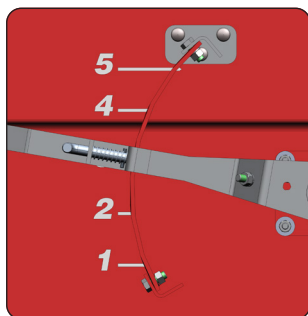
Code: 74121081 - Do not open the discharge tube when working near electrical power lines.



Code: 74031122 - Do not approach the PTO driveline while the implement is operating.



Code: 74074049 - Slow vehicle indicator.



Code: 200000001841 - Discharge chute position.



Code: 74191035 - Gate opening.

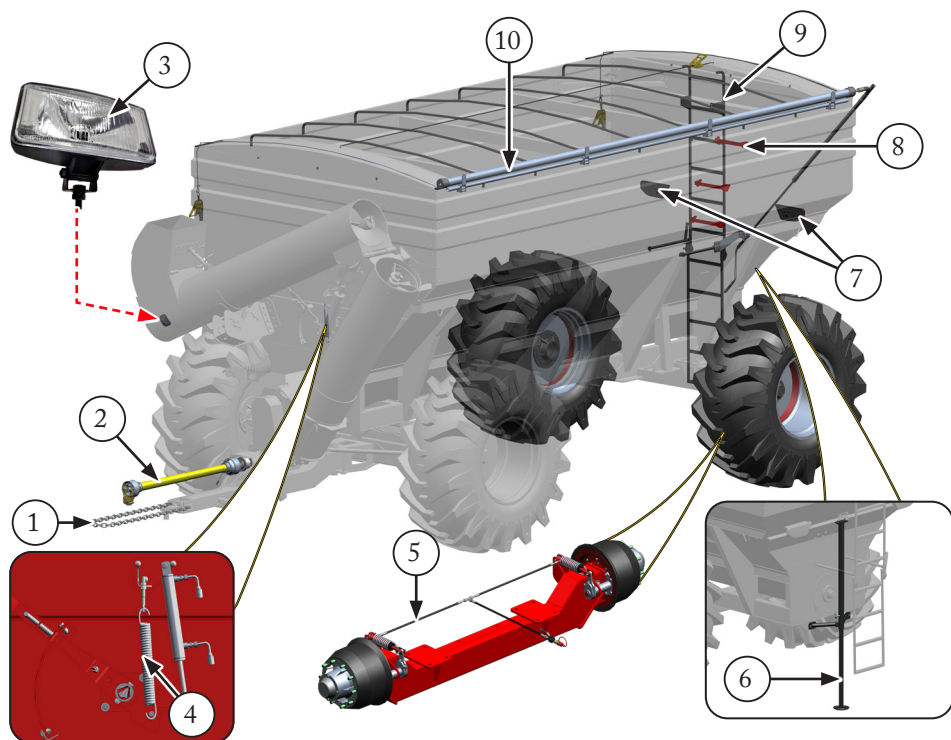
2.3 - Safety features on the implement

The implement has several safety items, such as guards and decals (see item 2.2). Their proper use is essential for the safe operation of the Tanker.



NOTE:

The images identify the guards in the transport position. Refer to items 2.7 and 6.3 regarding use in the Transport and Operating positions.



1. Safety chain: prevents accidental uncoupling of the Tanker from the tractor drawbar.
2. Driveline guards.
3. Discharge tube light.
4. Spring: prevents accidents in case of failure of the hydraulic cylinder of the discharge chute opening system.
5. Hydraulic brake axle: optional.
6. Support stand: present only on the Tanker Fast 19,000 model. It is located at the rear section of the machine.
7. Lighting system: the implement has lights at the rear, one at each end of the tank, to ensure proper signaling and lighting.
8. Access steps inside the hopper.

9. Ladder: provides safe access to the inside of the hopper.
10. Easy Tarping System.

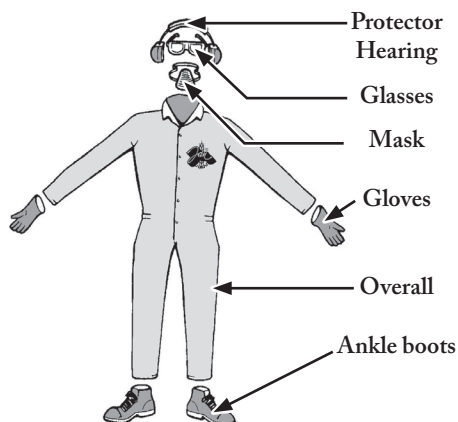
2.4 - Recommended Personal Protective Equipment (PPE)

All personnel involved in operation and/or maintenance must use the PPE recommended alongside:



NOTE:

Additional personal protective equipment may be required or necessary depending on the specific application of the equipment.



2.5 - General safety and implement preservation

Jan values the safety of those who use its products.

This manual provides essential instructions that must be read and carefully understood. It is the responsibility of the equipment owner to be familiar with the operating procedures and the risks associated with its use.



Read this manual carefully!

Failure to read this manual may result in serious accidents.



This implement has moving parts! Approaching or interfering with them may cause serious injuries and even limb amputation or death!

- In addition to the safety guidelines presented in this document, also follow the instructions in your tractor manual.
- Check whether the tractor has adequate capacity to operate the Tanker; refer to the requirements in Technical Specifications, item 3.6.
- Never use the equipment if you notice any sign of structural, hydraulic, or transmission failure.

- In case of any doubt or suspicion, immediately stop the operation and inform the responsible person or contact Jan After-- Sales Service: see Chapter 9.
- Personnel in training may only operate or assist in the use of the implement when properly supervised and instructed by qualified and experienced professionals.
- This manual must remain accessible and be known by all personnel involved in the operation.
- Use the PPE indicated in item 2.4.
- Avoid loose clothing and keep long hair tied back.
- Remove accessories such as watches, earrings, rings, chains, and similar items when working with the implement.
- Do not operate the implement if you are tired, under stress, or under the influence of alcohol, drugs, or certain medications.
- Do not smoke while operating or remaining near the implement.
- Turn off the tractor engine before performing any adjustment, maintenance, or other intervention on the Tanker.
- Make sure you are fully familiar with the equipment's operating and maintenance procedures. Before first use, present this manual and instruct the operators.
- Never allow unqualified persons to operate the Tanker or the tractor.
- Keep children and bystanders away during operation, maneuvering, or coupling of the implement.
- Do not allow people to remain on, around, or inside the Tanker. This is only permitted with the equipment stopped, the engine turned off, and all measures taken to prevent falls and accidents.
- Always keep the implement in good working condition.
- Before starting movement, ensure there are no people, animals, objects, or obstacles in the path.
- Follow all instructions contained on the safety decals affixed to the implement.
- Perform proper cleaning of the implement.

2.6 - Operating Safety



IMPORTANT:

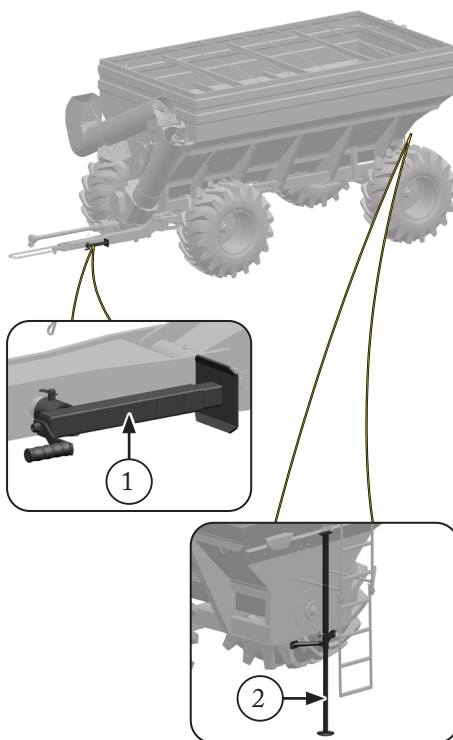
Prevent obstacles and accident risks: always unhitch the Tanker on flat and level ground, chocking the wheels with suitable wheel chocks to ensure complete immobilization of the wheels.

A) General precautions

- Only load and unload the Tanker when it is hitched to the tractor.
- Operate the implement only with all protective components properly installed.
- Do not transport people during operation or travel.
- When making sharp turns, disengage the power take-off (PTO) and ensure that the tractor rear tires do not interfere with the Tanker hitch.
- When operating the implement, keep the jack (1) and the support stand* (2) out of contact with the ground.

**Only Tanker Fast 19,000.*

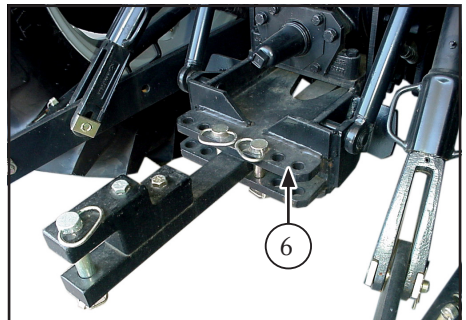
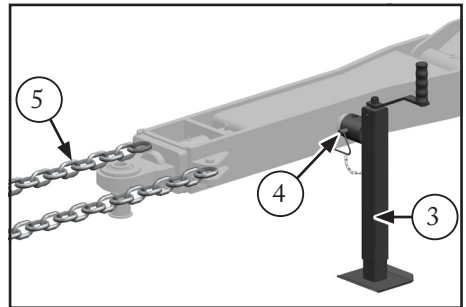
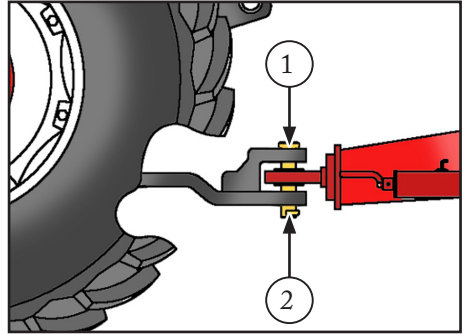
- Only allow people involved in the operation to approach the equipment.
- Ensure that the wheel fastening nuts are always properly tightened.
- When working, especially on sloped terrain, exercise extra caution to maintain stability and control of the tractor and implement, using appropriate speeds for each situation.





B) Precautions when coupling and uncoupling the Tanker

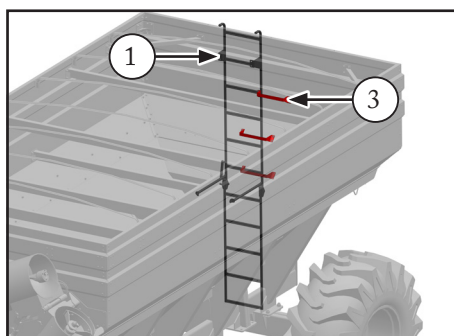
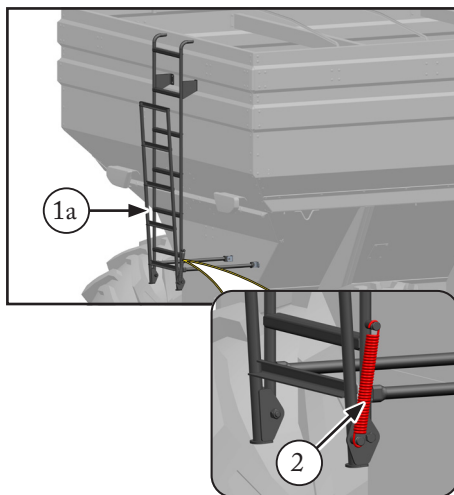
- Make sure that the tractor drawbar is sized for the size and weight of the loaded Tanker: a drawbar that is too thin and long may not withstand the forces between the implement and the tractor.
- Use a suitable hitch pin (1) and always install a locking device (2).
- Perform maneuvers with the tractor at low speed and do not allow people to approach the implement or remain between the tractor and the equipment.
- Always disengage the Tanker on flat and level ground. Besides facilitating the procedure, it also makes the engagement safer and easier.
- Before uncoupling, make sure the Tanker will remain stationary. When in doubt, use appropriate wedges to chock the wheels.
- Use the jack (3) correctly, always installing the locking pin (4) and a safety cotter pin in the jack in both positions: parking and transport.
- When hitching the Tanker to the tractor, always connect the safety chain (5) to a structural point, such as the drawbar support.
- Do not move the tractor with the jack lowered (storage position).



C) Tank and ladder

To open and close the ladder:

- a) To close the ladder, fold the retractable assembly (1) of the ladder upward. The spring (2) keeps the assembly fixed.
 - b) To open the ladder, pull the retractable assembly (1) downward: the assembly has stops that lock the ladder.
- Always hold on with both hands on the ladder (1) and use the appropriate PPE.
 - The interior of the hopper is smooth and may cause slipping and injuries. To prevent this, use the steps (3) provided for this purpose.
 - Always disengage the tractor PTO before entering the hopper.



D) Use of the support stand



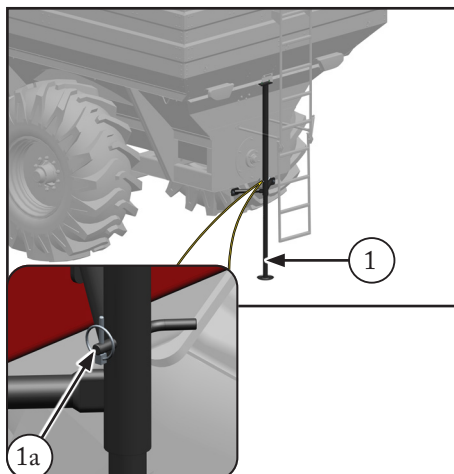
ATTENTION!

Tanker Fast 19,000!

When the Tanker is unhitched from the tractor (supported only by the hitch support stand) and/or positioned on soft ground, use the support stand (1).

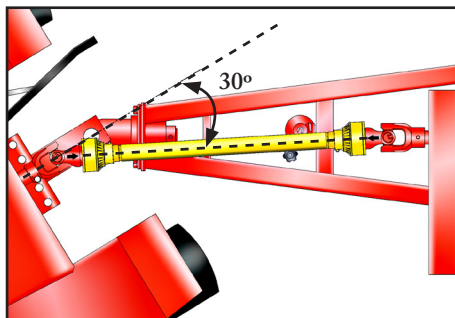
If necessary, place a board under the foot of the support stand so that it does not sink into the ground.

Lock the support stand (1) correctly by installing the pin (1a). Incorrect use - or non-use - of the support stand (1) may cause the front of the Tanker to tip up!



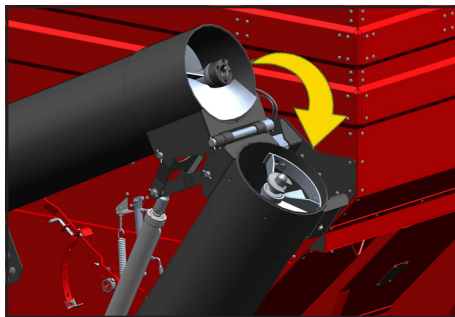
E) Power Take-Off (PTO) and rotating components

- When making sharp turns, disengage the power take-off and ensure that the tractor rear tires do not interfere with the Tanker hitch.
- Never approach the PTO shaft or moving components.
- Do not wear loose hair and/or loose clothing when operating equipment.
- Only connect the driveline to the PTO shaft with the engine shut off.
- When connecting the driveline for the first time, check that its length is appropriate: see item 5.2.
- Don't start or shut off the engine with the power take-off (PTO) engaged.
- Never exceed a 30° angle of the driveline during operation.



F) Discharge tube

- When opening the tube, ensure there is sufficient clearance, i.e., no risk of interference or damage to the tube.
- When opening the tube, do not allow people to approach, especially at the joint point - image beside: there is a risk of amputation of the body parts hit.
- Always close (fold) the discharge tube for Tanker transport, opening it only to perform grain unloading.



This care is important to:

- Avoid the risk of interference of the open tube with obstacles such as: trees, buildings and transmission lines.
- Prevent cracks in the discharge tube and in the attachment area to the Tanker.



ATTENTION!

Tipping hazard!

When unloading the Tanker, make sure that it is level.

If the ground has a slope, the unloading tube should be facing the side of the incline, i.e. the higher side.

However, we recommend that unloading be performed only in locations with less than a 15° slope.



G) Tanker-to-tractor relationship:

- Read the safety rules of your tractor's Manual, especially those regarding care over it.
- Especially when working on sloped terrain, take all precautions to maintain the stability and steering control of the tractor, such as:
 - Only tow the loaded Tanker with a properly sized tractor. A very light tractor or one with insufficient power can lose control.
 - Use the correct ballast for the tractor front and rear axles.
 - Always lock the brake pedals together using the connecting lock (1).
 - Maintain a speed suitable for the conditions of each situation. When sloping down, always engage the gear that would be used for sloping up.

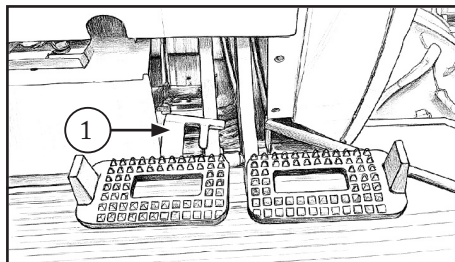
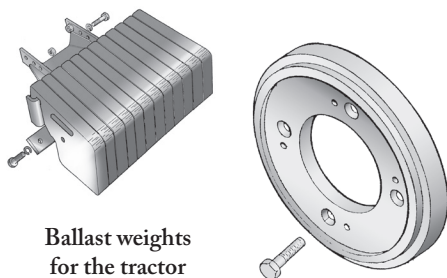


Image for reference only

- Do not move the tractor sideways across slopes, but rather perpendicular to them, that is, move the tractor uphill or downhill and not sideways.

H) Safety around power lines

- When traveling or operating near power lines, always observe the clearance between the equipment and the power line cables. Also check the lateral distance from poles, towers, and guy wires.
- High-voltage lines require additional clearance to ensure safe operation.
- If there is any doubt regarding safe distances, consult the local power utility or the appropriate authorities.
- Before passing under electrical cables, check for any raised or extended components on the equipment.
- Retract or lower any raised parts before continuing movement.
- Never park the equipment under or near power lines.
- When encountering a downed cable, do not approach and prevent others from doing so.
- Immediately notify the power utility company responsible for the electrical network.

Guidelines

In case of contact with energized cables, strictly follow the instructions below:

- Stop the equipment immediately and shut off the engine.
- Assess whether it is possible to leave the equipment without touching the wires.
- If it is not safe, remain on the equipment and request assistance.
- Do not touch the downed cable or any metal component in contact with the power line.



- Do not allow people to approach.
- Only power company technicians or firefighters are authorized to perform rescue or equipment release procedures.
- If you have a phone, contact third parties, the power utility, and/or the fire department.
- If you do not have a phone, remain at the operator's station until help arrives.

In case of fire in the tractor or in any situation that makes it impossible to remain at the operator's station.

To exit the equipment safely:



ATTENTION!

Never touch the ground and the equipment at the same time. This simultaneous contact causes an electric shock through the body that is usually fatal!

- The only safe way to leave the equipment is by jumping away:
 - Jump with your feet together.
 - Jump away from the point of contact between the equipment and the electrical line.
 - After jumping, move away without separating your feet (moving in “bunny hops”) until reaching a safe distance.
- Only allow utility company crews and/or the Fire Department to approach.

2.7 - Implement transport and movement

A) Travel on public roads



ATTENTION!

The movement of the implement coupled to the tractor must not be carried out on public roads and highways. This practice must be restricted to within properties and rural areas.

- Consult the traffic authority regarding the regulations in force in your region about the possible use of the Tanker with a tractor on certain road sections.
- Request guidance, authorization, and procedures in writing.



- In locations and situations where movement is authorized, follow precautions such as:
 - Only duly qualified operators may drive the tractor, meeting the requirements of the license category.
 - On level roads, do not exceed the speed of:
20 km/h with the hopper loaded.
30 km/h with the hopper empty.
- On uneven roads, reduce speed enough to ensure safety.
- Be informed about the mandatory safety devices, such as the SMV decal (1), lights and lamps, turn signals (flashers), among others.
- The SMV decal is installed at the rear of the Tanker. The tractor must also have its own SMV emblem.
- Keep the brake pedals (2) coupled by the locking latch (3), ensuring uniform braking on both wheels. Before accessing the road, check that the brakes, headlights, lamps, and turn signals are working properly.
- Always drive the tractor on the appropriate side of the road.
- Turn on the hazard warning lights.
- Keep the headlights on, even during the day.

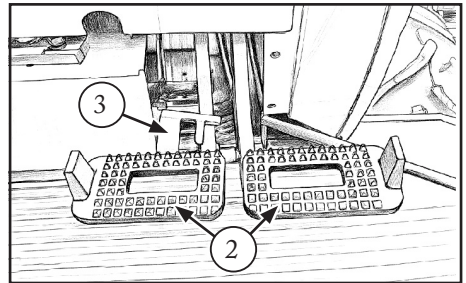
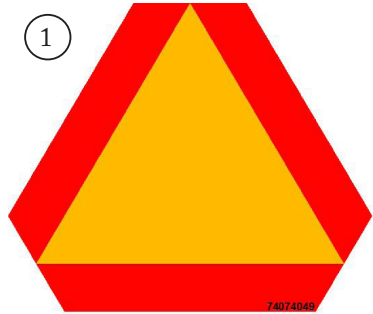
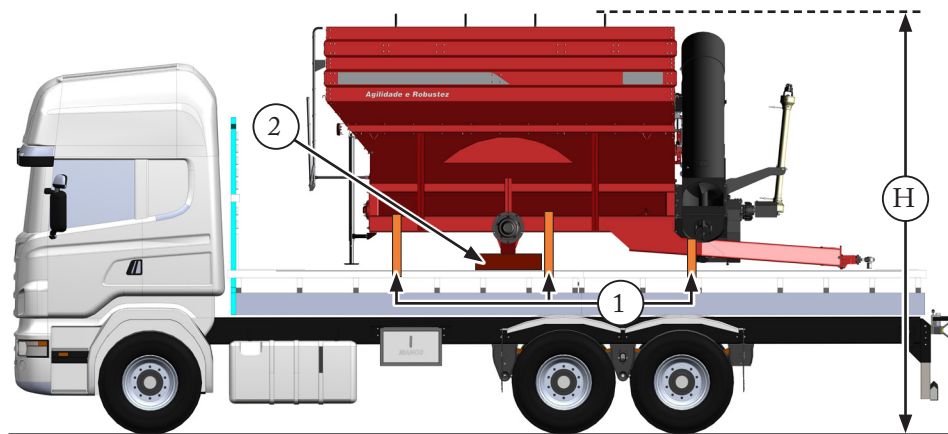
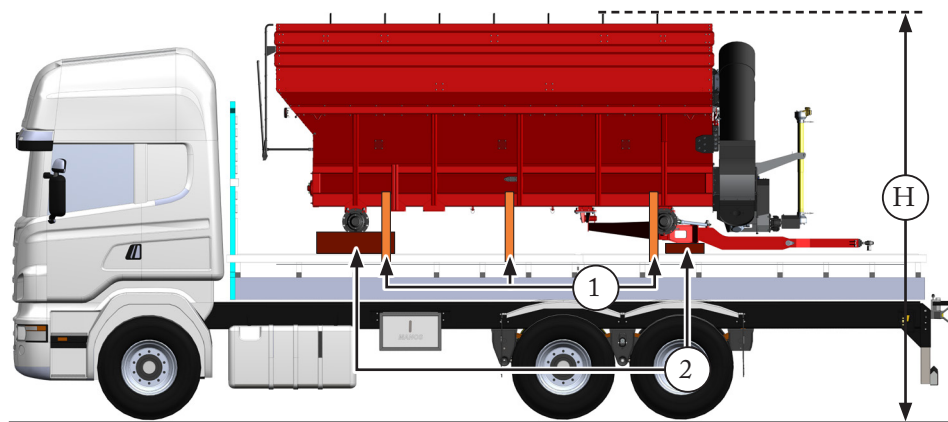


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B) Transport by truck



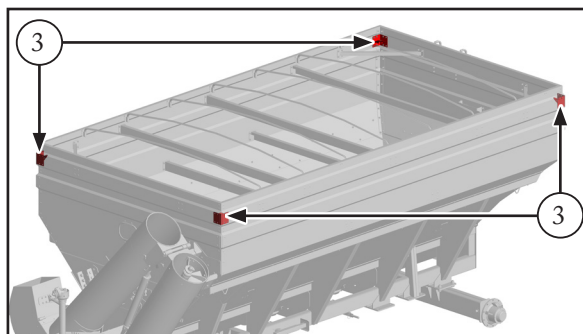
Tanker Fast 19,000



Tanker Fast 33,000

- For long-distance travel or when operating on public roads, transporting the Tanker by truck is recommended, as it is the safest method. Even so, this procedure must comply with the requirements established by current traffic legislation.
- The hopper must be empty.
- For the Tanker Fast 19,000 and 33,000, the wheel assemblies must be removed.
- In the case of a flatbed truck, removal of the wheel assembly is not required.

- Loading the implement onto the truck must be performed by lifting, using the lifting lugs (3) located inside the tank, on both sides.



IMPORTANT:

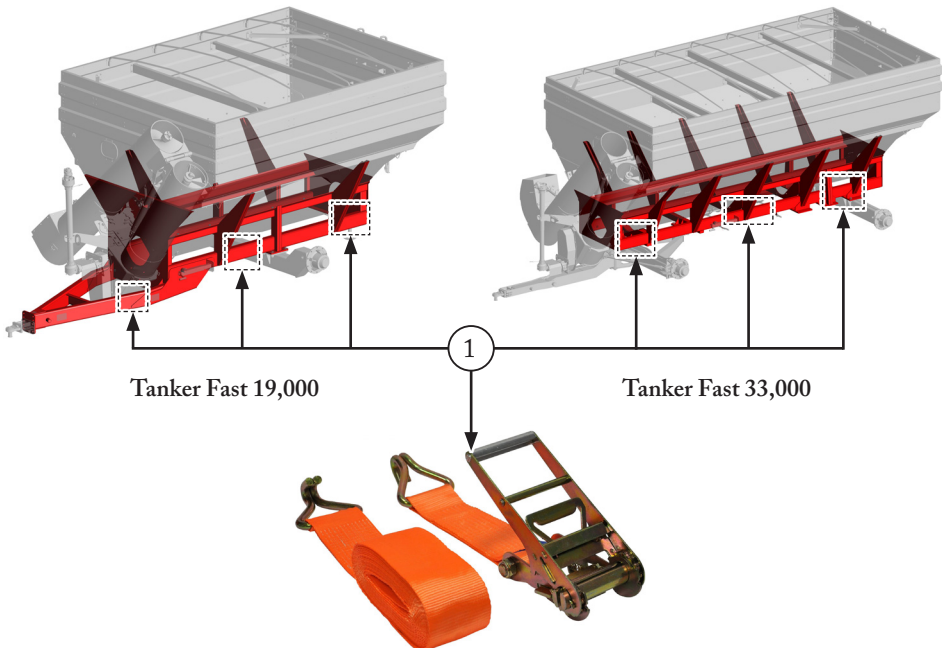
Forklifts or cranes must not be used for moving the Tanker.

- Transport must be carried out exclusively by professionals qualified for this type of operation and using a truck properly sized for the load.
- Wooden chocks (2) must be used at the ends of the front and rear axles.
- Check the permitted height limit (H), measured at the highest point of the Tanker.
- When passing under overpasses, observe the indicated clearance height! Exercise extra caution when passing near trees, power lines, etc.
- Keep the hydraulic hoses properly coiled and secured to prevent them from coming loose and posing risks to other vehicles or people on the road.
- Make sure that no component or section of the implement remains loose on the truck bed.
- The implement must be positioned and secured fully on the truck platform, without any side projection.
- Support the Tanker structure on the truck bed floor.

- The implement must be secured with straps (1) or wire ropes (on both sides of the equipment), anchored to the structural points, as shown in the figures below.
- Each strap or cable (1) must have a load capacity at least twice the total weight of the Tanker and must be equipped with a ratchet to ensure full stability during transport.

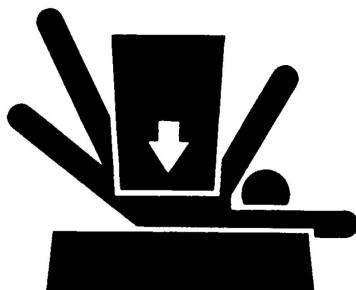
**IMPORTANT:**

The implement must only be secured to structural points and never to moving components and/or other components with no structural function, otherwise serious damage may occur.



2.8 - Safety during maintenance

- If the tractor is coupled to the Tanker, always shut off the engine before performing any maintenance or adjustment. Engage a low gear, apply the parking brake, and remove the ignition key.
- Position the equipment on a flat, level, and firm surface, ensuring proper support to carry out the work.
- Clean both the operating area and the implement beforehand.
- The presence of oils, grease, or other residues may cause slips and falls.
- Take precautions when handling oils and grease, as these products contain carcinogenic chemical components. If contact with eyes or ingestion occurs, seek medical attention immediately.
- When removing one or more wheels, never leave the implement supported only by the jack; use strong and stable blocks under the structure or axle.
- Never remain under parts that are supported only by a jack or lifting devices. Safety in these cases can only be ensured by using properly rated jack stands, stable and supported on solid surfaces.



Take proper fire prevention precautions, such as:

- Keep a fire extinguisher always available in the work area.
- Keep the implement and the environment clean, free of oil, grease, straw, or any other flammable material.
- Do not smoke while performing the activities.
- If lighting is insufficient, never use an open flame to illuminate the area, as there is a high risk of fire.
- If access to high sections of the implement is required, use suitable ladders or scaffolding, with appropriate load capacity, properly leveled and firmly supported.
- Never loosen hydraulic connections in pressurized systems: the oil jet may penetrate the skin and cause injuries, irritation, or serious infections. In case of an accident, seek medical assistance immediately.
- Before applying grease to the grease fittings or removing drain, level, or oil fill plugs, clean the area beforehand to prevent dirt from entering.
- Do not start the tractor in an enclosed environment without ensuring proper ventilation through open doors and windows, as exhaust gases may cause intoxication, fainting, and even death.



2.9 - Definition of responsibilities

According to NR-31 - Regulatory Standard for Occupational Safety and Health in Agriculture, Livestock, Forestry, Forest Harvesting and Aquaculture, in addition to the powers and obligations assigned to the Labor Inspection Secretariat (SIT), both the operator and the owner have responsibilities regarding safety in the use of machines.

Some of the provisions of NR-31 are presented below:

A) Responsibilities of Jan Implementos Agrícolas S/A

- Ensure that our customers are fully satisfied with the products and services we offer.
- Provide all necessary information so that the customer can maximize the performance and durability of the Jan product.
- Provide the first owner with all essential guidance for the proper operation of the equipment, either digitally or in person. In this presentation, various information is conveyed, including demonstrations of procedures involving all parts of the implement, as well as details on operation, maintenance, warranty conditions, and other relevant aspects.



ATTENTION!

Jan Company is not responsible for consequences arising from:

- *Modifications to the original characteristics of the implement, as well as the installation of accessories not approved by Jan.*
- *Damage to the implement or risks to the operator's physical integrity resulting from lack of knowledge, failure to follow safety instructions, lack of skill, or negligence.*
- *Operation or movement in areas with excessive slope, whether lateral or longitudinal, or on terrain that does not provide adequate traction or support.*

B) Responsibilities of the owner and/or operator

- The owner, whether the operator or not, is responsible for instructing and training themselves and any person directly or indirectly involved in the use and maintenance of the implement.
- Comply with and enforce all recommendations provided in the instruction manuals.
- Keep this manual in an easily accessible location for anyone who needs to consult it.
- Maintain the implement and the instruction manuals in good condition.
- Ensure adequate working conditions, hygiene, and comfort, as well as identify and assess risks to workers' safety and health.
- Provide the necessary Personal Protective Equipment (PPE) and require its use.
- Seek information on hygiene, safety, and occupational health practices.
- Encourage and implement continuous improvements in the work environment and working conditions.
- Instruct all individuals involved in the use of the implement regarding environmental care, risks, and requirements established by current labor and environmental legislation.
- Adopt and comply with standards related to safe work practices.

C) Recommended requirements for the operator

- Skills: driving and operating agricultural equipment.
- Capabilities: operation and maintenance.
- Recommended training: training for operation and maintenance of agricultural machinery.
- To operate agricultural equipment on public roads, consult the traffic legislation in force in your region regarding authorization for this practice and, if permitted, verify all prerequisites and conditions, such as license category, specific permits, among others.

D) Environmental responsibilities

- Any implement component, as well as fluids and other materials, must be properly disposed of when replaced, in accordance with the applicable legislation in your region and the respective manufacturer's guidelines.
- Preserve the environment by avoiding contamination of soil, air, and water.
To do so, properly dispose of contaminated parts and other items replaced due to wear or damage.
- If recycling cannot be carried out immediately, waste must be stored in appropriate locations until collection.

When replacing parts and oils

- Store oil in closed containers, in a dry, ventilated area and out of reach of children or animals.
- As soon as possible, deliver the material to fuel stations or companies specialized in collection and recycling.
- Store the removed parts, such as chains and hoses, in boxes and send them to appropriate collection points.

2.10 - Emergency procedures

Situations considered as emergencies include:

- Fire.
- Implement rollover.
- Contact with power lines: for this circumstance, proceed as indicated in item 2.6 - H.

Whenever any situation occurs that puts at risk the safety of those involved in the operation, the equipment, or even the possibility of such risk:

- Completely stop the operation, also shutting off the PTO (Power Take-Off) and the tractor.
- Remain calm and move away from the area, if possible.
- In the event of injury, provide first aid.
- Before calling emergency services, avoid crowding and gather information about the victim and the incident.
- Call emergency services, such as firefighters or hospitals.
- The person involved must receive medical evaluation, even if they appear to be physically well.

After the emergency condition and before resuming operation, eliminate the cause of the problem as quickly as possible.

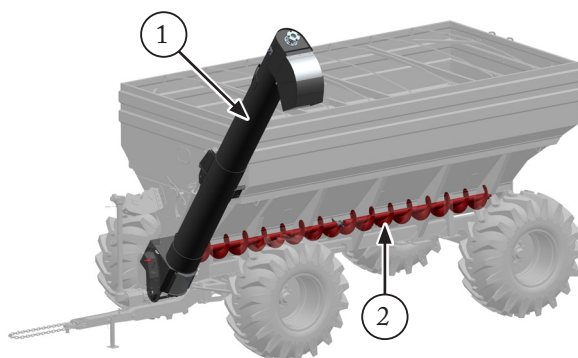
3.1 - Intended application of the Tanker according to the design

The Tanker is intended for grain transfer.

- Tanker Fast 19,000: exclusively for rice.
- Tanker Fast 33,000: grains in general.

The product is transferred by gravity to the horizontal auger (2), which moves it to the unloading tube (1).

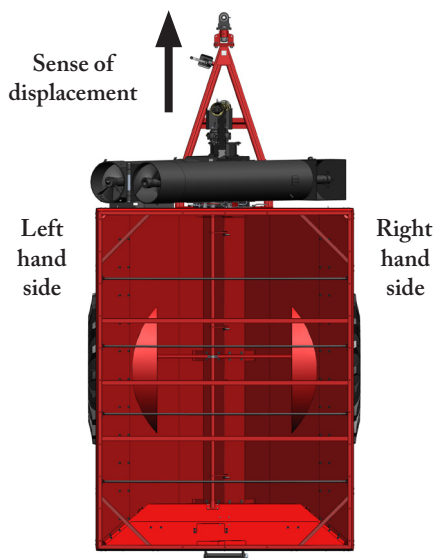
The product is directed to the unloading tube (1) and can be discharged by gravity (as in the case of a silo receiving hopper) or through the unloading tube, by the action of the PTO-driven auger.



3.2 - Left-hand / right-hand convention

The definition of left-hand and right-hand considers the point of view of a person looking at the implement from the rear section and/or seated in the tractor operator's seat.

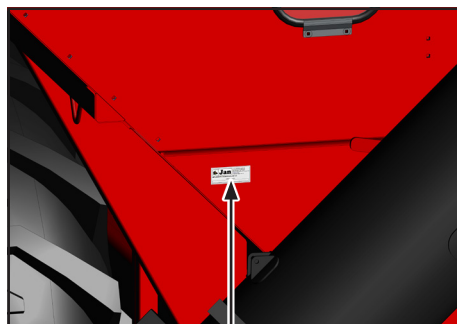
This criterion is followed throughout the manual for describing procedures and locating Tanker components.



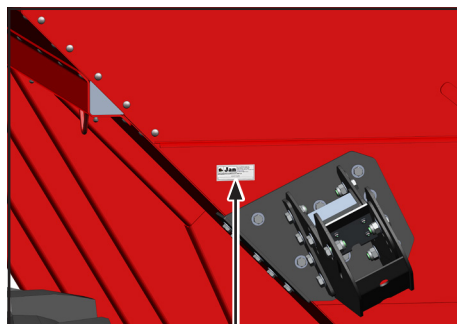
3.3 - Tanker identification (serial number)

The Tanker is identified by a serial number, which allows maintaining accurate records of any modifications made to the components and structural characteristics of the equipment.

The serial number (1) is stamped on a plate attached to the front section of the tank on Tanker Fast 19,000 and 33,000 models.



Tanker Fast 19,000



Tanker Fast 33,000



3.4 - Available versions

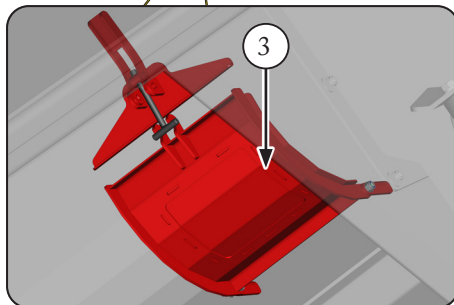
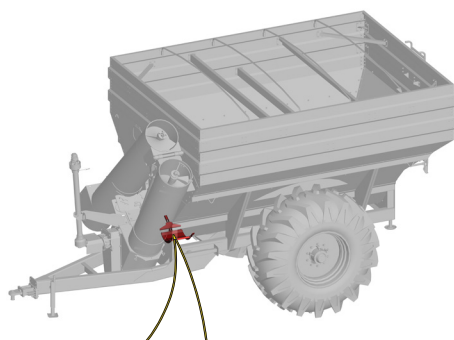
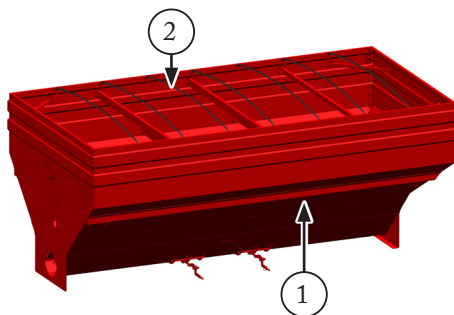
Aiming to offer an option for every need, Jan offers the Tanker Fast 19,000 and 33,000 line with variations in structure and capacity:

1. Tanker Fast 19,000 with carbon steel plates, dismountable, single-axle.
2. Tanker Fast 33,000 with carbon steel plates, dismountable, two-axle.

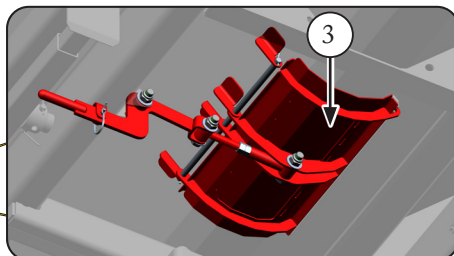
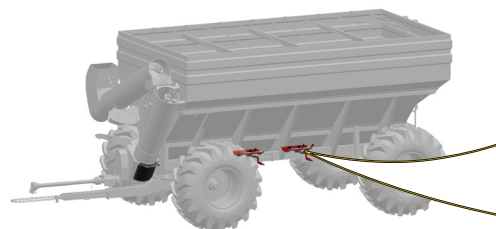


3.5 - Identification of components

- Hopper (1): volumetric capacity and load capacity vary according to model and application. See technical specifications, item 3.6.
- Tarp support bows (2): arranged along the top of the hopper (1).
The number of tarp bows (2) varies between Tanker Fast models:
 - Tanker Fast 19,000: 4 units.
 - Tanker Fast 33,000: 7 units.



Lower gate Tanker Fast 19,000



Lower gate Tanker Fast 33,000

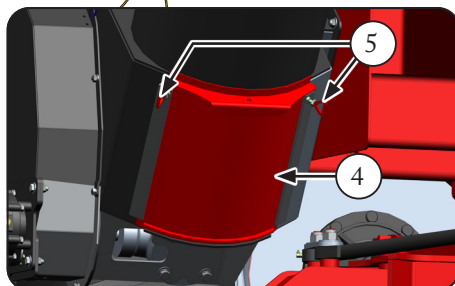
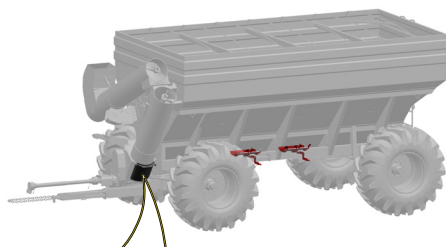
- Gate (4) is manually controlled to regulate grain flow during gravity discharge.
- a) Loosen the wing screws (5) and regulate the product flow by varying the opening of the gate (4).



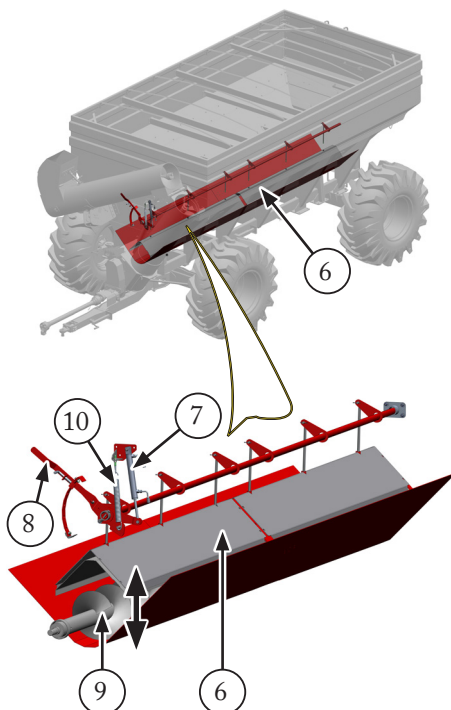
NOTE:

It is possible to lock the gate in any position by tightening the wing screws (5).

Opening the gate (4) also allows access to the base of the discharge tube for inspection, cleaning and maintenance.

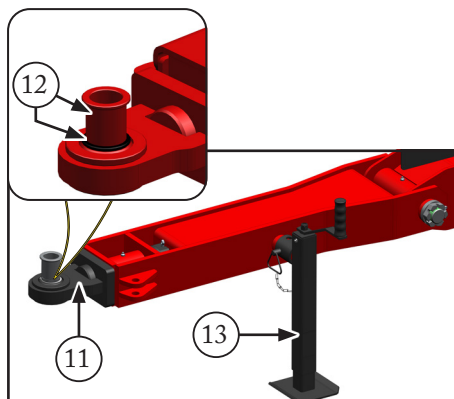


- The discharge chute (6) can be controlled by the hydraulic cylinder (7) or manually, by the lever (8), and is responsible for controlling the product flow onto the horizontal auger (9).
- The spring (10) is intended to close the discharge chute (6) in case of failure of the cylinder (7) or hydraulic system.



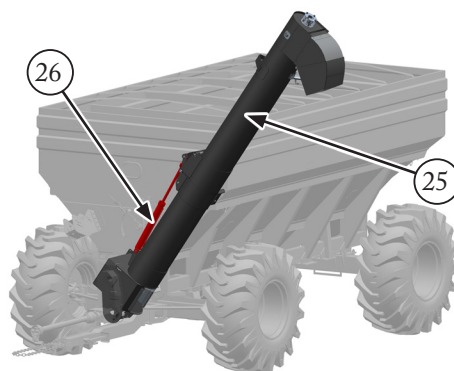
Hitching to the tractor

- Hitch end (11): comes with 2 bushings (12) with different diameters to adapt the hitch to the pin.
- Mechanical jack (13), operated by a crank.

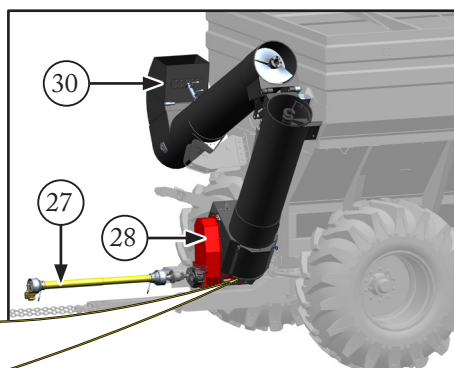
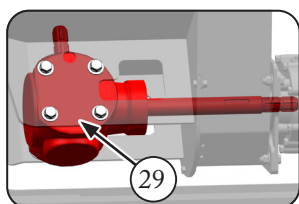


Unloading tube

- The discharge tube (25) is articulated, with opening and closing movement performed by the hydraulic cylinder (26), actuated by the tractor SCV.
- The tube is mechanically driven from the tractor PTO (at 540 or 1000 rpm), PTO shaft (27), chain drive gearbox (28) and oil-bath gearbox (29).
- The discharge tube (25) is intended exclusively for grain unloading. For this purpose, the flow diverter (30) is used.



Tube in Operating Position



Tube in Transport Position

Functional features of the Tanker Fast 19,000 and 33,000 unloading tube

Unloading tube	Unloading capacity		Internal diameter Pipe (mm)
	Tanker Fast 19,000 (bags/min of rice)	Tanker Fast 33,000 (bags/min of soybeans)	
Mechanical	168	180	Ø 475

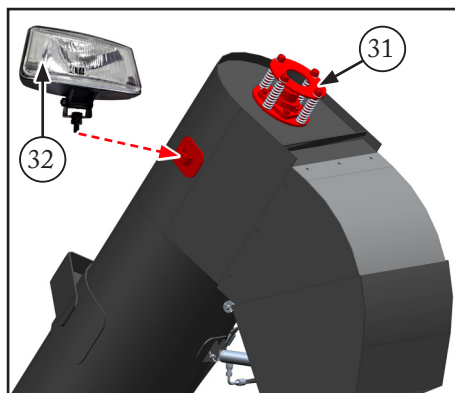
For more information on the technical specifications, see item 3.6.

- The unloading tube has a spring compensating mechanism (31) in the bearing housing, at the upper end of the tube, designed to smooth the engagement of the auger sections when the tube is closed.
- The work light (32) is standard for the discharge tube.



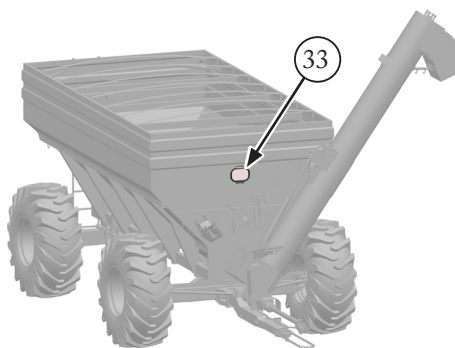
NOTE:

Unloading can only be performed with the tube fully open.



Inspection window

- The Tanker Fast has an inspection window (33), which allows checking the grain level in the hopper.



3.6 - Technical Specifications

Item / System		19,000	33,000
Available versions		Demountable carbon steel	
Volumetric capacity (l)		19,000	32,000
Recommended maximum load capacity (kg)		16,500	24,000
Front hopper discharge		Gravity discharge	
		Tube with auger	
		The discharge flow is controlled by steel plate chutes	
		The discharge chute can be controlled by a hydraulic cylinder, via the tractor auxiliary valves (remote control - SCV), or manually	
		The bottom gates and unloading tube gates are opened manually	
PTO speed (rpm)		540 / 1,000	
Auger speed (rpm)	Unloading tube auger	540	
	Internal hopper auger	540 PTO: 480	
		1,000 PTO: 500	
Required power (hp)		200	
Hitch system – drawbar type		With hitch head. The drawbar must be of the Heavy Duty type.	
Empty weight approx. w/ tires (kg)		3,750 (30.5 L-32 MB39-14)	5,500 (30.5 L-32 MB39-14)
Weight on the drawbar, loaded (kg)		600	-



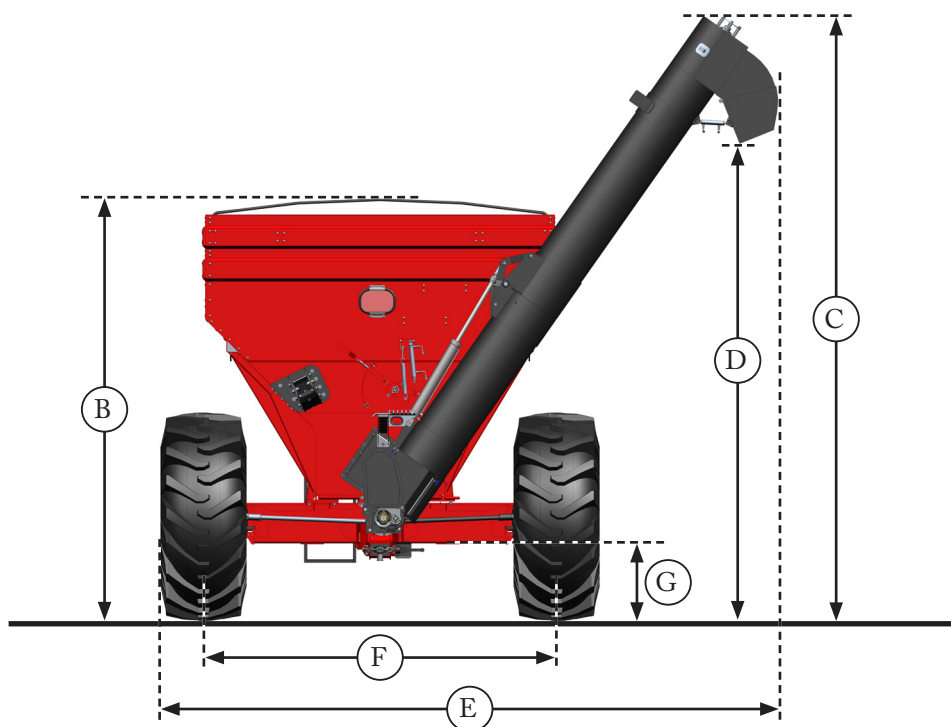
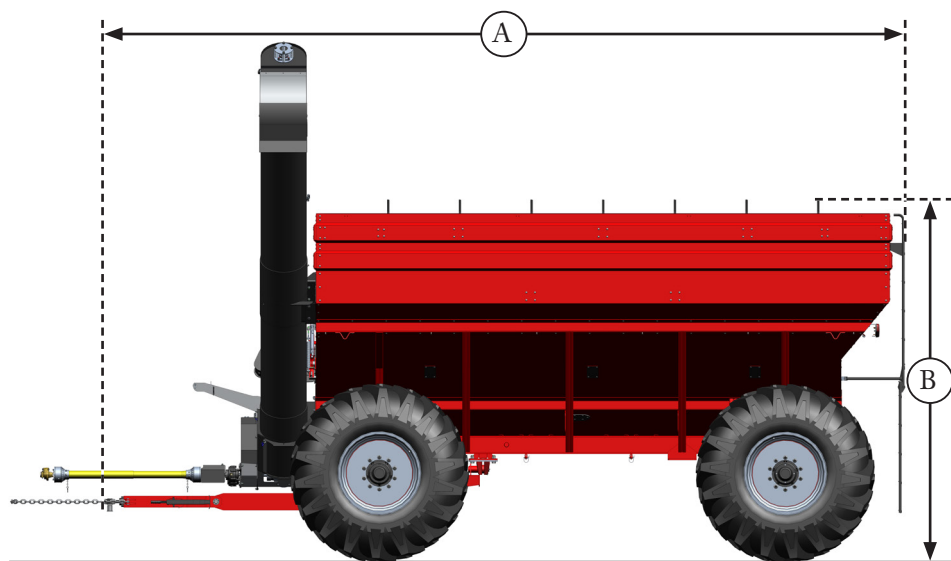
3.7 - Dimensions

Item (mm)	19,000	33,000
A. Overall length	6,574	8,360
B. Height	3,488*	3,770*
C. Total height of the discharge tube when open	5,192*	5,452*
D. Discharge height	4,410*	4,675*
E. Operating width	4,940*	5,557*
F. Track width	2,495*	3,100*
G. Minimum ground clearance	618*	647*

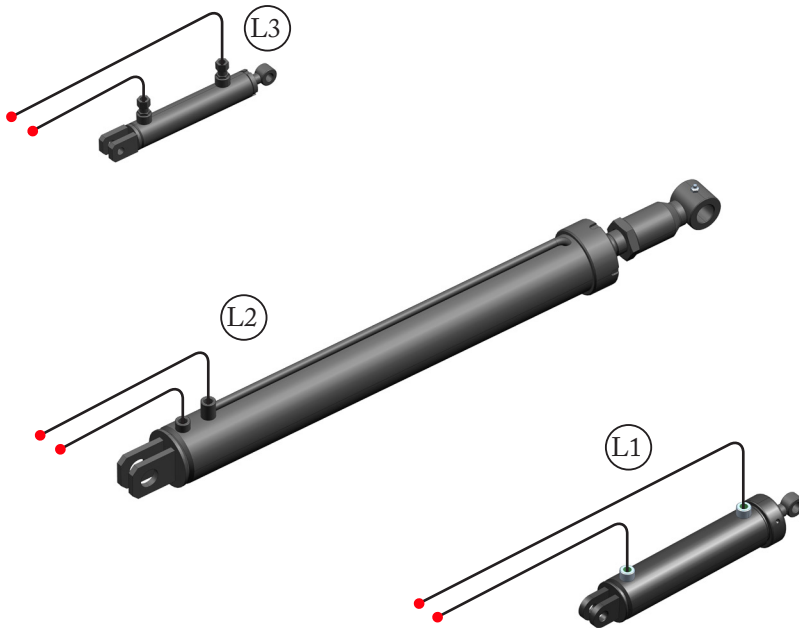


NOTE:

**Dimensions valid considering the use of wheel assemblies approved by Jan for the Tanker Fast 19,000 - 33,000. Refer to item 3.10 for wheel assembly specifications.*



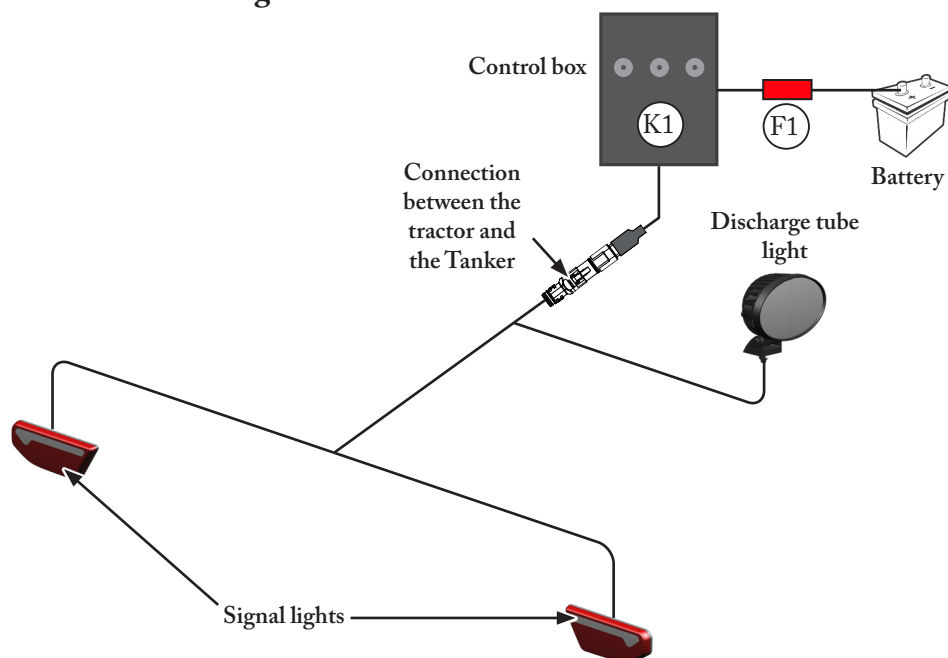
3.8 - Hydraulic diagram



The hydraulically actuated functions are:

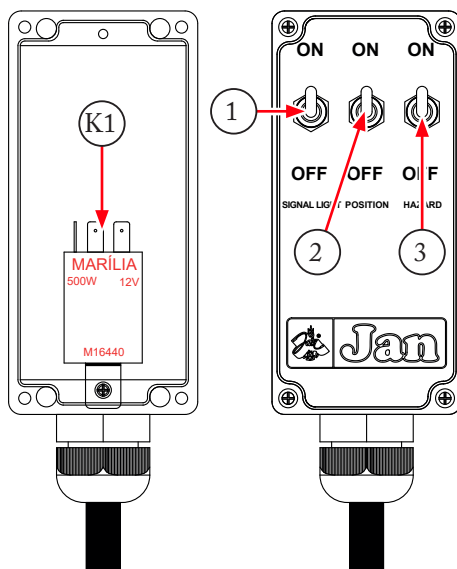
- L1: Control of the internal discharge chutes of the hopper.
- L2: Unloading tube closing and opening.
- L3: Flow diverter.
- See item 5.3 for more information on the Tanker hydraulic connections.

3.9 - Electrical diagram



Description

- The electrical system is powered by the tractor battery. Between the battery and the control box is the 10 A protection fuse (F1).
- The relay (K1) intermittently actuates the direction indicator lights (turn signals).
- Control box switches:
 1. Signal light control.
 2. Position light control.
 3. Hazard light control.
- Switch positions:
 - Up: on.
 - Down: off.





3.10 - Optional accessories and configurations

Tire options and specifications

Tire kit	19,000	33,000
Tire: 18.4-34 TM 95 (12 ply) / Wheel: DW 16-34 (flipped)	X	X
Tire: 23.1-26 MB 39 (14 ply) / Wheel: DW 20-26	-	X
Tire: 30.5-32 MB 39 (14 ply) / Wheel: DW 27-32	X	X

Tire and wheel specification tables

Tire 18.4-34 TM 95 (12 ply)			
Width (mm)	Diameter (mm)	Nominal capacity (kg)	Maximum pressure (psi)
479	Ø 1,638	3,375	32

Tire 23.1-26 MB 39 (14 ply)			
Width (mm)	Diameter (mm)	Nominal capacity (kg)	Maximum pressure (psi)
608	Ø 1,570	3,950	28

Tire 30.5-32 MB 39 (14 ply)			
Width (mm)	Diameter (mm)	Nominal capacity (kg)	Maximum pressure (psi)
775	Ø 1,874	8,500	22

Wheel / rim: DW 16-34 - Wheel / rim: DW 20-26		
Center hole diameter (mm)	Number of bolts and gauges	Bolt circle diameter and hole diameter (mm)
Ø 221	8 / M22	Ø 275 / Ø 24

Wheel / rim: DW 27-32		
Center hole diameter (mm)	Number of bolts and gauges	Bolt circle diameter and hole diameter (mm)
Ø 282	10 / M22	Ø 335 / Ø 24



Miscellaneous accessories



NOTE:

The items below are for reference only. For each Tanker Fast model and version, the optional components have a specific code. Consult your Distributor or Jan's Sales Department.

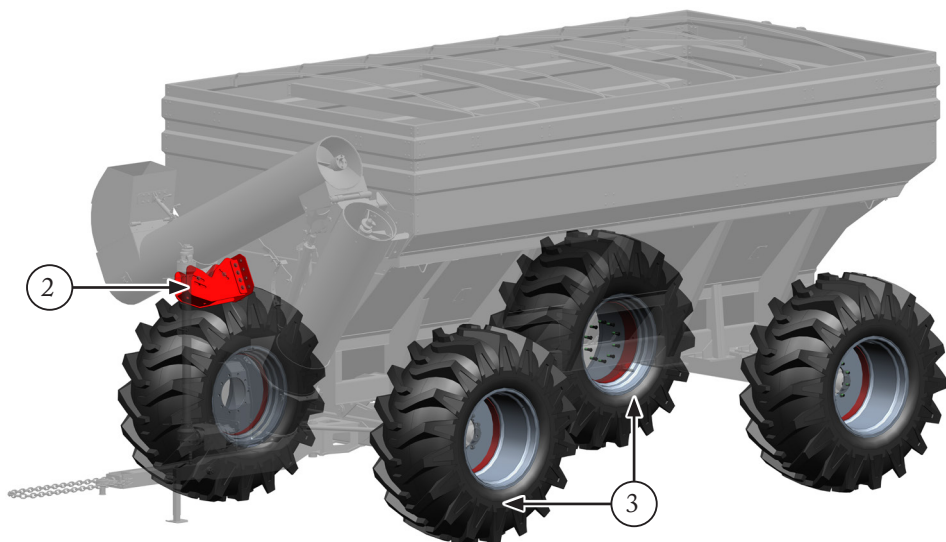
Tanker Fast 19,000 - 33,000:

- Hose kit for discharge tube and discharge chute.
- Signal light and auxiliary light kit + wiring harness.
- Easy tarp cover kit.
- Mechanical discharge tube.
- Jack - options:
 - Jan
 - Robustec
 - Imiag
- Driveshaft kit.
- Tarp spout kit.
- Flow diverter kit.
- Rear hitch kit.
- Hydraulic-brake axle.
- Wheel assembly kit with hydraulic brake.

3.11 - Loose items supplied with the Tanker

1. Operator's manual.
2. Tires and rims.
3. Discharge tube support.*

*Only Tanker Fast 33,000 model.



3.12 - Estimated service life and decommissioning

The service life of the implement cannot be precisely determined and is affected by several factors, such as:

- The care applied during use, maintenance, and preservation over the years.
- Operating conditions: number of hours worked per season and load intensity.
- Properties of the transported product.
- Working conditions: see item 6.3.

Guidelines for disposal of the implement at the end of its service life (decommissioning)

- When the implement reaches the end of its service life and is taken out of operation, it is recommended to drain the oil.
- Most of the implement components are recyclable.
- Disassembly and recycling procedures must be carried out by qualified professionals, following instructions in accordance with the applicable legislation in your region or country.





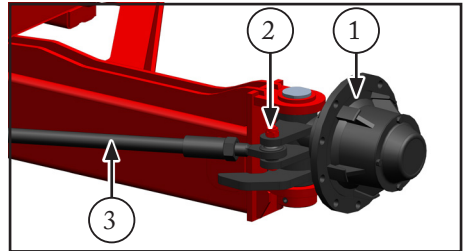
ATTENTION!

- Perform assembly on a flat, firm, and level surface.
- Use appropriate lifting devices capable of safely supporting the weight of the components.
- Never stand under suspended parts.
- Do not improvise!

4.1 - Assembly of the hub, wheel assemblies and rear axle positioning

A) Assembly of the front hubs

- a) Connect the front hub (1) to the steering bar (3), using the nut and washer (2).
- b) Raise the Tanker axle (4) enough to allow installation of the tire assembly.



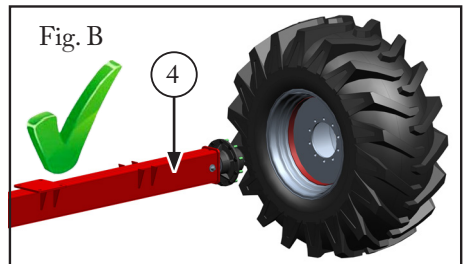
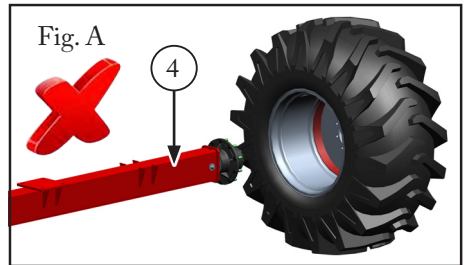
B) Assembly of the wheel assemblies



IMPORTANT:

For safety, keep the hitch connected to the tractor drawbar and use two jacks operated simultaneously. See section 7.8 for more information about wheel assembly installation.

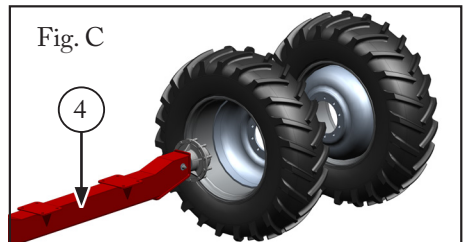
- c) Install the tire assembly in the correct position:
 - Fig. A: incorrect.
 - Fig. B: correct (the side with the greater rim offset must face outward).



NOTE:

See the recommended tire configurations in item 3.10.

- d) Adjust the toe-in of the front wheels (Tanker Fast 33,000 only): see item 7.7.
- e) In case of a dual wheel assembly, mount one wheel onto the other, as shown in Fig. C.



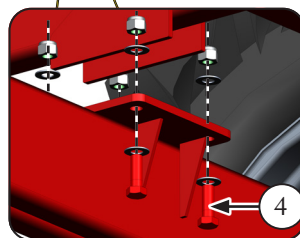
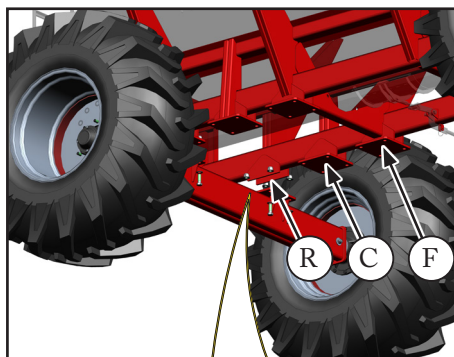
C) Rear axle position change (Tanker Fast 33,000 only)

The Tanker chassis has three mounting positions for the rear axle, allowing the implement to be adapted to different operating conditions.

The correct axle position helps provide better load distribution, greater stability and better performance during transport, especially when transporting rice and in certain tire configurations.

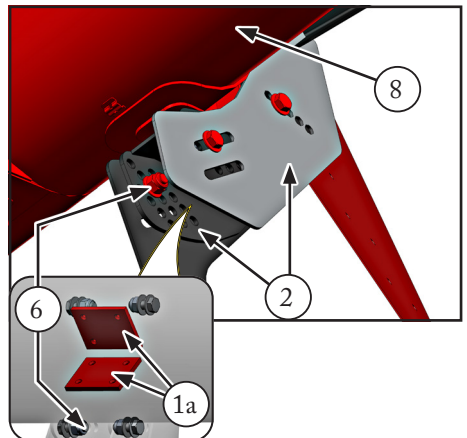
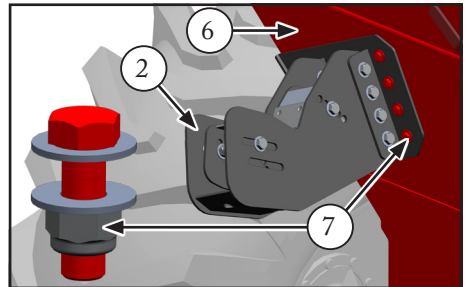
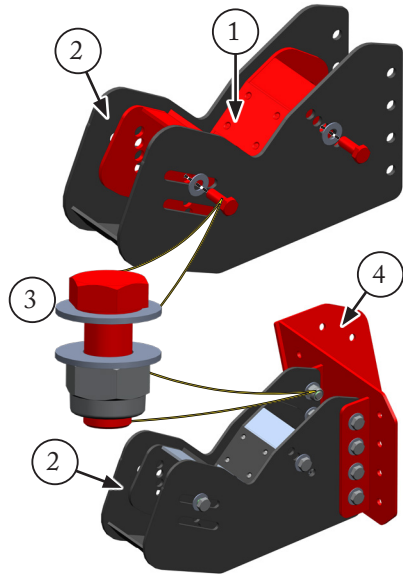
Replacement procedure

- a) Suspend the Tanker chassis according to item 7.8 - A).
- b) Remove the 8 axle fastening sets (4).
- c) Move the axle to the desired position:
 - R - Rear position (longest wheelbase): for transporting grains in general.
 - C - Central position: for transporting rice.
 - F - Front position (shortest wheelbase): for dual wheel assembly.
- d) Secure the 8 fastening sets (4).



4.2 - Mounting the unloading pipe

- Mount the tube damping assembly (1) on the discharge tube support (2) using the fastening set (3) on both sides of the support (2).
- Join the discharge tube support (2) to the fastening plate (4) using 8 fastening sets (3).
- Secure the discharge tube support (2) to the front and side section of the Tanker, aligning it with the respective holes in the metal plates (6), using 14 fastening sets (7).



NOTE:

Ensure that support (2) is properly adjusted: the discharge auger tube (8) must be fully supported to prevent vibration or oscillation in the closed position.

To adjust, loosen or remove the 4 bolts (3) and reposition the support assembly (2) as required. Reinstall and/or retighten the bolts.

Also check that the support damping plates (1a) are in good condition and correctly secured: damping prevents deformation and cracks in the tube (8).

5.1 - Tanker hitching to the drawbar

A) Preliminary operations

Always after coupling the Tanker and before running it, it's advisable to check:

- Whether the tank is clean, free of materials such as bags, rags, rocks, wood, etc.
- Whether lubrication has been performed at all recommended points: see items 7.2 and 7.3.
- Whether all bolts and nuts are properly tightened and all components secured properly.
- Whether the augers are balanced. This can be identified by vibration in the unloading tube and lower section of the hopper during operation. In this case, the auger flights may also interfere with the inner wall of the tube, causing grain breakage. Seek Jan Technical Assistance.

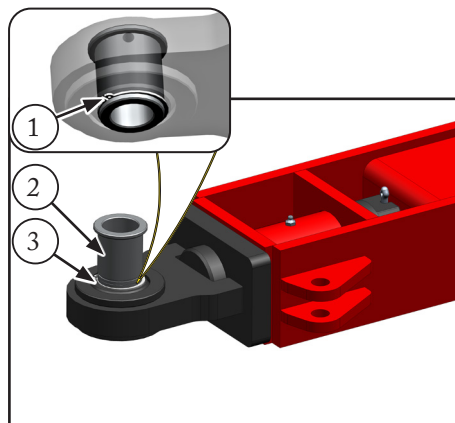
B) Hitching the Tanker

Selection of the hitch terminal bushing (if necessary):

Depending on the diameter of the hitch pin used on the tractor drawbar, install one of the bushings (2 or 3) supplied with the Tanker on the hitch head.

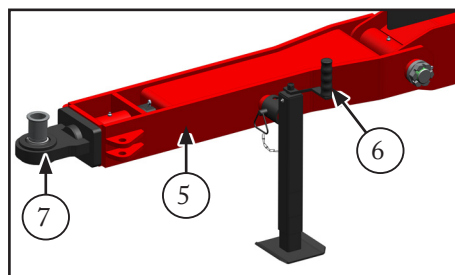
To replace the bushing:

- Remove the retaining ring (1) and remove the bushing.
- Install the other bushing and secure it with the retaining ring (1).



Tanker hitching

- Drive the tractor so that the drawbar approaches the hitch (5), in alignment.
- Turn the jack handle (6) until the hitch terminal (7) is at the same height as the drawbar (4).

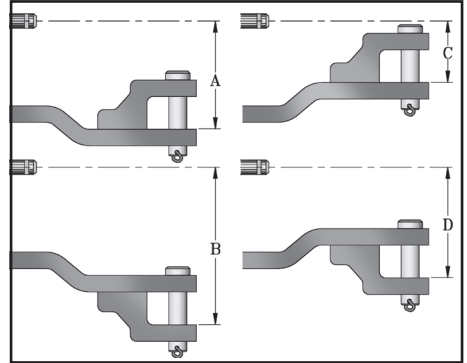




- c) Check the longitudinal leveling of the hitch: ideally, it should be as parallel as possible to the ground, observing it from the side.

If necessary, change the height of the tractor drawbar (4): refer to the respective manual, if necessary.

- d) Complete the tractor approach and have an assistant install the pin (8), with a locking clip (9).

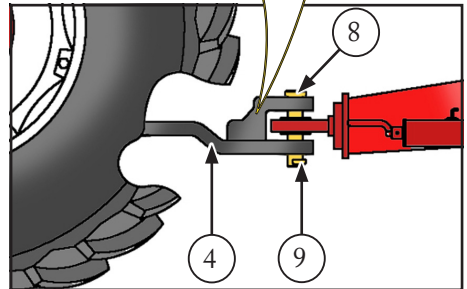


- e) Place the jack in the transport position. To do this, remove pin (10), rotate it to horizontal position - figure alongside and reinstall pin (10).



NOTE:

In both jack positions (transport and rest), always install pin (10) and the safety cotter pin (11).

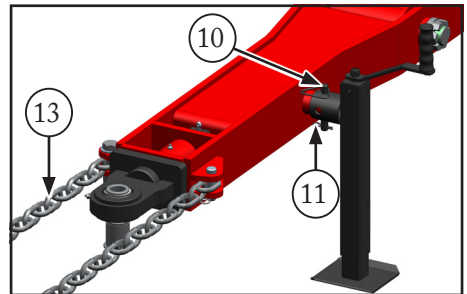


- f) Connect the driveline (12) to the PTO shaft: see item 5.2.

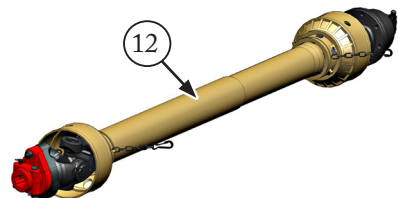


NOTE:

About the correct use of the PTO, follow the recommendations in your tractor's manual.



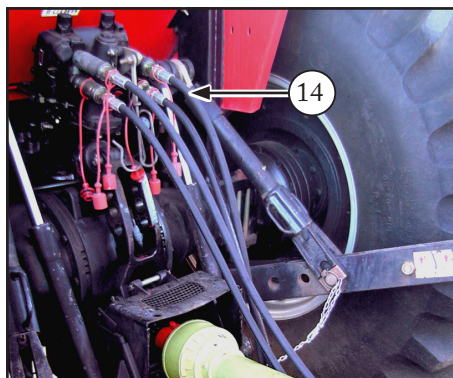
- g) Connect the implement safety chain (13) to the chain attachment structural point on your tractor.



C) Uncoupling the Tanker

Proceed in the reverse order of hitching, paying attention to the following points:

- Unhitch the Tanker on a flat, level, firm surface. Chock the wheels securely to ensure that the Tanker will not move after unhitching.
- Lower the jack to the rest position and lock it as described.
- To disconnect the hydraulic hoses (14), follow the instructions in item 5.3.



5.2 - Driveline assembly, adjustments, and working angle

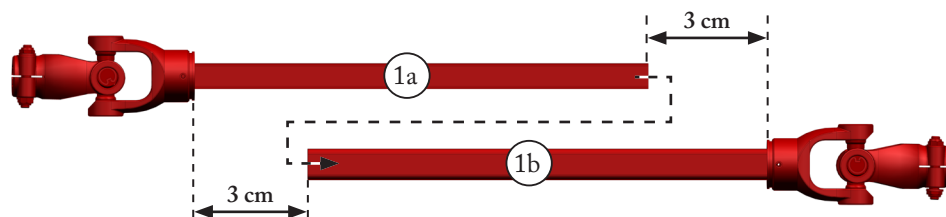
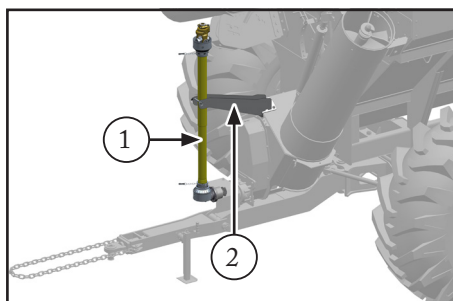


NOTE:

When disconnecting the driveline (1), always secure it on the support (2).

When hitching the Tanker to a given tractor for the first time, check that the PTO driveline is not excessively long:

- a) Hitch the Tanker to the tractor.
- b) Separate the driveshaft sections: the front, shaft (1a) and the rear, tubular (1b).



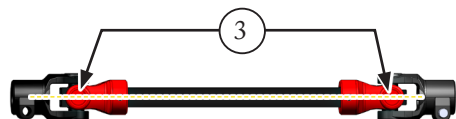
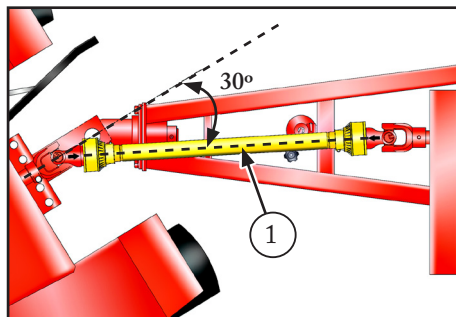
- c) Connect the front section (1a) to the PTO shaft; the rear section (1b) must remain connected to the Tanker.
- d) Place the PTO driveline sections side by side, as shown in the figure above.
- e) Check that there is a minimum clearance of **3 cm** at each end; if the clearance is less than **3 cm**, mark the tube (1a) and the shaft (1b) at the points where they must be cut.

- f) Cut the tube (1a) and shaft (1b) to the same length.
- g) Using a file, remove burrs resulting from the cuts and lubricate the parts with grease.



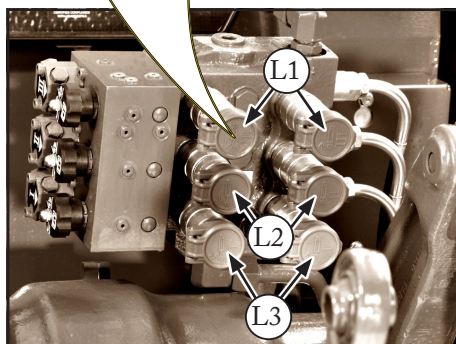
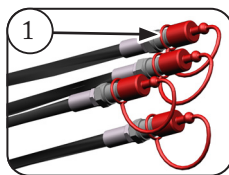
NOTE:

- *The driveline must not operate at an angle greater than 30°.*
- *On square-profile tube and shaft drivelines, the yokes (3) must be assembled aligned.*



5.3 - Hydraulic hose connection

- a) Turn off the tractor engine and relieve any residual pressure in the hydraulic system by moving the remote control levers forward and backward several times.
- b) Remove the caps (1) from the hoses and from the female couplers (L1, L2 and L3) of the tractor remote control.
- c) Make sure that the hose ends and the outlets (L1, L2 and L3) are clean.
- d) Connect the hoses to the selected control:
 - L1. Internal hopper discharge chute control cylinder hoses: double-acting.
 - L2. Discharge tube opening and closing cylinder hoses: double-acting.
 - L3. Flow director cylinder hoses: double-acting.





To disconnect the hoses

- a) Shut off the tractor engine and move the remote control levers in both directions, to relieve any residual system pressure.
Do not attempt to remove the hoses from the remote control while there is pressure in the circuit.
- b) Disconnect the hoses (1) from the outlets (L1, L2 and L3), pulling them firmly.
- c) Reinstall the protective caps on the couplers.
- d) Place the hoses (1) on the support on the implement hitch, preventing them from coming into contact with the ground, exposed to dust and moisture.



ATTENTION!

- *Use caution when handling hydraulic oils. If there is still pressure in the hoses, relieve it before making any connection. To do so, press the check valve located at the end of the hoses against the bottom of a clean container, taking care to protect yourself from the oil jet that may be expelled.*
- *Contact with hydraulic oils may cause skin and eye irritation. Ingestion or inhalation may cause nausea, dizziness, or discomfort. If any of these symptoms occur, seek medical attention.*
- *See Chapter 2 for more information about safety.*

5.4 - Electrical connection

1. Discharge tube work light cable.
2. Main electrical power supply: connected to the tractor battery.
- a) Using the plug (3), connect the electrical power cable (4) to the socket under the panel as shown.

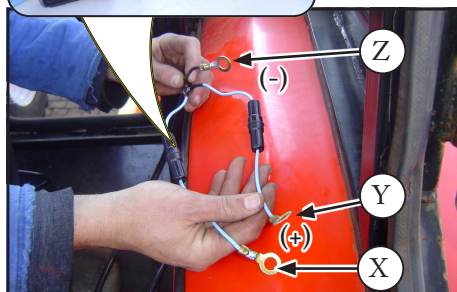
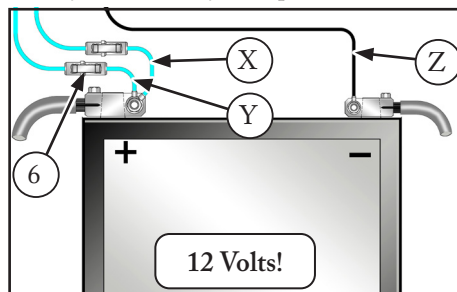
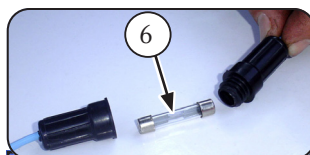
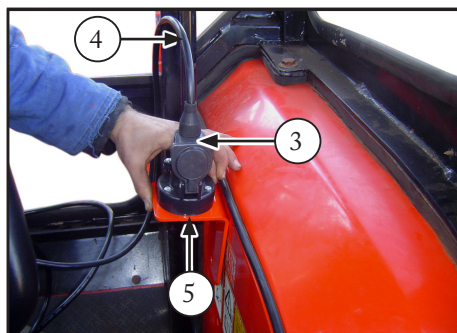
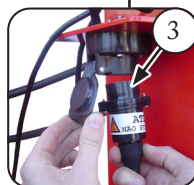
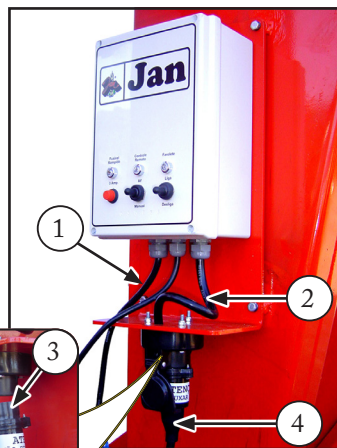


NOTE:

Plug (3) is foolproof.

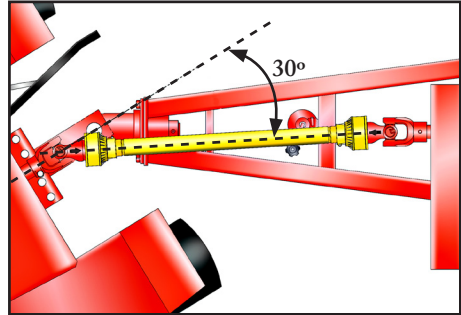
When disconnecting the plug, never pull it by the cable (4), as warned on the decal.

- b) In the tractor, attach power plug (5) in a convenient location. Refer to the tractor manual for guidance in this regard.
- c) Secure the cable (4) to the remote control hoses using plastic ties.
- d) Connect the cables from socket (5) to the tractor battery terminals:
 - Blue cables (X and Y): on the positive terminal (+). *These cables are equipped with 10 A fuses (6) for electrical system protection.*
 - Black cable (Z): at the negative terminal (-).
- e) Connect plug (3) to socket (5): the system is ready for operation.



6.1 - Using the power take-off

- The Tanker has two speed options, 540 and 1000 rpm. The rotation selection is made in the box (1).
- Always keep the tractor aligned with the Tanker, so that the driveline angle does not exceed 30°.
- Only engage the PTO during Tanker operation, that is, always disengage it during maneuvers and travel.



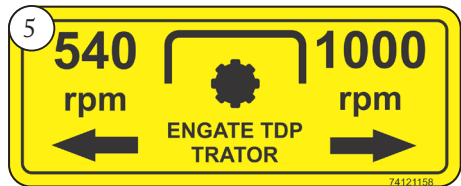
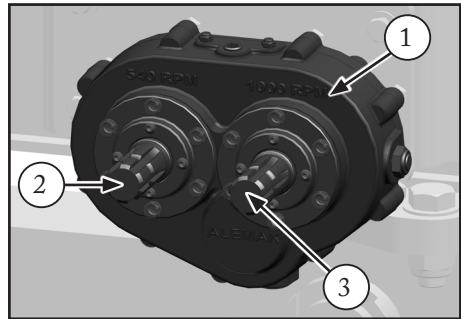
ATTENTION!

Never perform speed selection with the driveline coupled to the tractor PTO! Keep the driveline disconnected from the tractor PTO throughout the entire selection process.

A) Speed selection

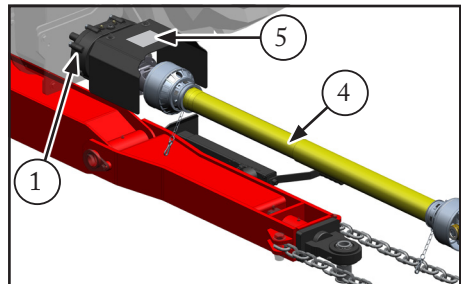
Before starting the procedure, keep the equipment completely stopped, with the jack in the rest position.

- Based on your tractor PTO speed, check which shaft (2 or 3) the driveline (4) must be connected to: see the indication on the decal (5).



If necessary, change the speed:

- If necessary, replace the PTO driveline connection shaft (4), according to the speed:
 - Shaft (2): to operate with 540 rpm PTO.
 - Shaft (3): to operate with 1000 rpm PTO.



6.2 - Tanker loading

Bring the Tanker close to the supplying unit (harvester or other), so that the discharge occurs without loss of grains.

To distribute the load, move the Tanker or supplying unit to and fro.

6.3 - Tanker unloading: methods and procedures

A) Discharge by gravity

This option is used mainly for discharge silo grain hoppers.

In addition, in the event of discharge tube obstruction or clogging, open the discharge chute (1) and the gate(s) (2) and unload the grain from underneath.



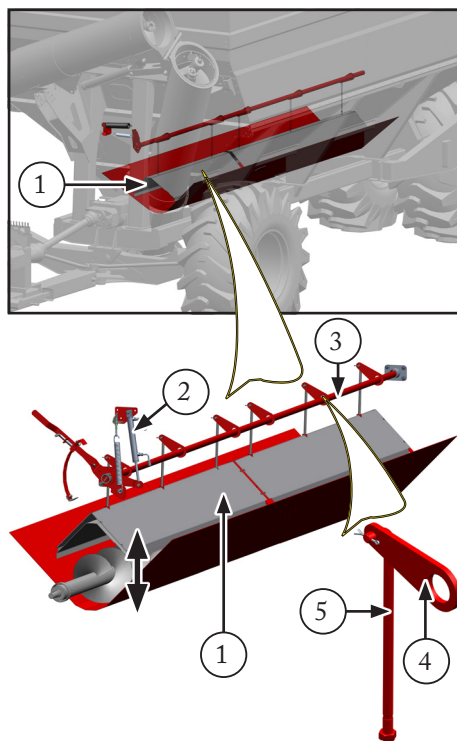
NOTE:

In both cases, the unloading is made with the power take-off shut off.

Opening the gate(s) provides access for inspection and maintenance of the auger and/or for removal of remaining grain at the base of the auger.

To unload through the lower gate(s):

- a) Open the discharge chute (1) through the tractor SCV or manually. For free-flowing products (such as soybeans), increase the height (opening) of the chute (1) and for products with more difficult flow (such as rice), decrease the height of the chute (1), avoiding mechanical overloads on the conveyor system.

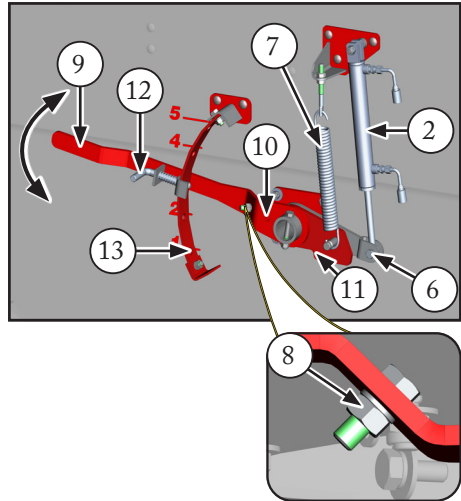


Hydraulic control

1. Actuate the hydraulic cylinder (2). The mechanism formed by the shaft (3), levers (4) and tie rods (5) moves the chute (1) upward (to increase flow) and downward (to restrict flow).

Manual actuation

1. Remove the bolt (6) from the cylinder (2).
2. Unhook the spring (7) from the pin.
3. Remove the bolt (8) from the lever (9) and install it in the hole (10), joining the bolt to the plate (11).
4. Pull the locking pin (12) and move the lever (9) upward to increase the flow rate and vice versa.
5. Release the locking pin (12) when it is aligned with one of the holes in the guide (13), according to the numbered decal.



IMPORTANT:

Always observe the position of the bolt (8) to avoid breaking the levers and pin (12).

- b) Fully open the lower gate(s) (14) manually.

Tanker Fast 19,000: 1 gate

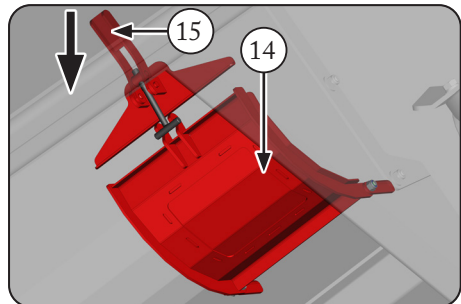
1. To open the gate (14), hold it and move the lever (15) downward.



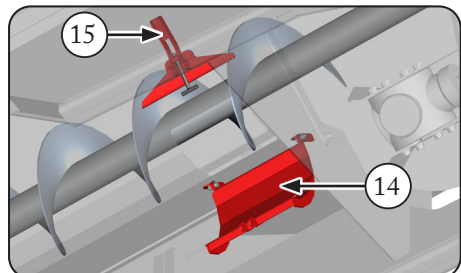
ATTENTION!

When the Tanker is loaded, the weight of the product will exert force on the gate (14). When opening or handling the gate, stay out of its path of travel and take the necessary precautions to prevent injuries.

2. Release the gate (14). Gravity opens it naturally.
3. To close the gate, pull the lever (15) and push the gate to the closed position.



Tanker Fast 19,000 lower gate closed



Tanker Fast 19,000 lower gate open

Tanker Fast 33,000: 2 gates:

1. To open the gate, release the pin (14) and move the lever (15) downward.



NOTE:

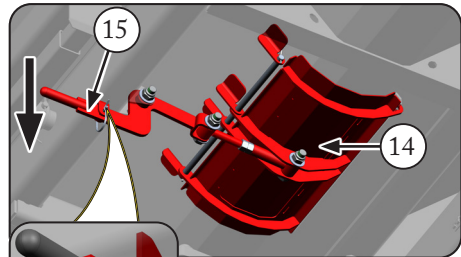
The same previous precaution applies, regarding the force exerted by the product on the gate.

2. To close the gate, return the lever upward and lock the lever with the pin (16).

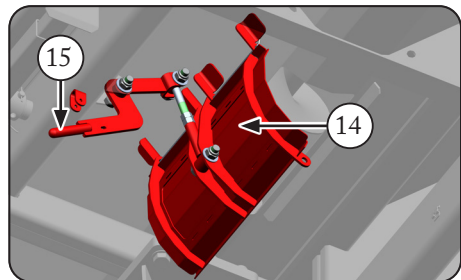


NOTE:

Opening the gate also provides access for cleaning and maintenance of the horizontal auger.



Tanker Fast 33,000 lower gate closed



Tanker Fast 33,000 lower gate open

B) Grain unloading through the discharge auger tube

- a) Position the Tanker so that the discharge tube is over the discharge point.

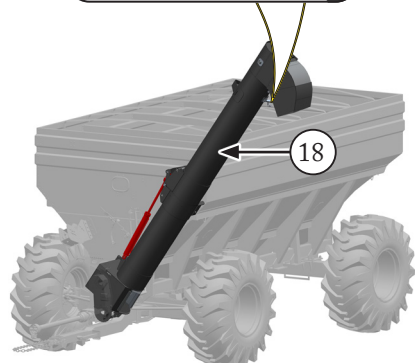
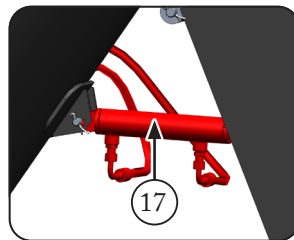
The grain flow direction can be changed by the hydraulic cylinder (17), through the tractor SCV.

- b) Adjust the speed selection, if necessary: see item 6.1.
- c) Open the discharge tube (18) completely, by actuating the corresponding tractor SCV lever.

- d) Engage the tractor PTO.
The PTO drives both augers of the implement.

- e) Open the discharge chute (1) according to item 6.3 - A). The discharge chute can be opened hydraulically or manually.

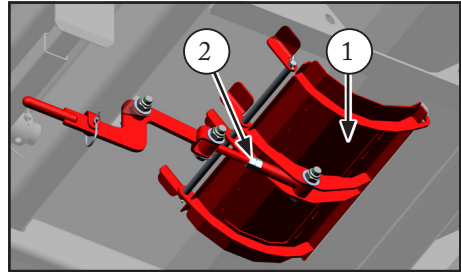
- f) After unloading, turn off the PTO and close the discharge chute (1) and tube (18).



6.4 - Lower gate opening adjustment

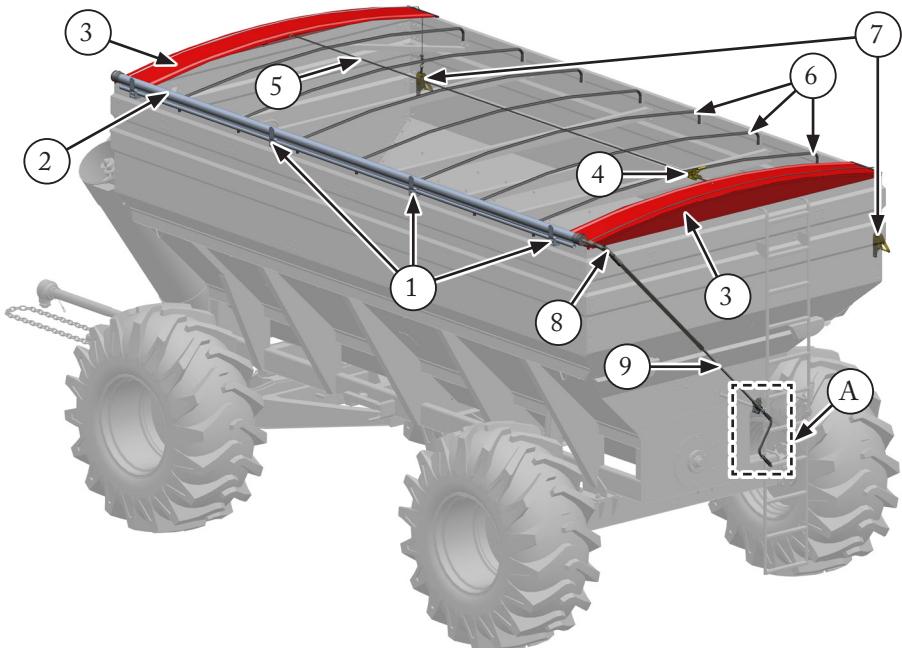
If the lower gate(s) is/are not closing completely, causing grain flow, make the adjustment:

- a) Move the nut + jam nut assembly (2) until reaching the desired opening of the gate (1).



6.5 - Use of the Easy tarp system (optional)

- The Easy tarp system allows for quick tarping. The tarp (2) is used to cover the product hopper, protecting it from weather before and during operation, ensuring material preservation.
- In the open position, the tarp (2) is rolled up over the left-hand edge of the hopper, supported by the four supports (1).
- The transition from the open to the closed position is carried out by means of the extendable shaft (9), the elastic joint (8), and the crank (11).
- The tarp is rolled and unrolled over the ramps (3) and bows (6).
- Keep the strap (5) taut using the ratchet-type tensioner (4).



Procedure to cover the hopper (tarping)

- Remove the crank handle (11) from the coupling (10), by removing the pin.
- Unroll the tarp (2) by turning the crank (11) clockwise to the end of travel.
- Retract the extension (9) with the crank handle and then secure the crank handle in the coupling (10), installing the pin.

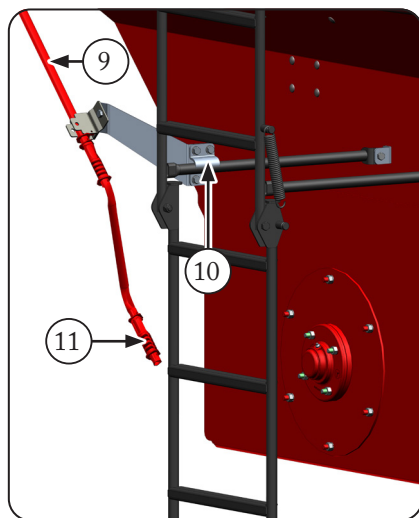
To remove the tarp from the hopper (untarping)

- Disengage the crank (11) from the RH coupling (10) and turn it counterclockwise until the rolled tarp rests on the supports (1), on the LH side.
- Engage the crank (11) again in the coupling (10) and install the pin.



IMPORTANT:

- Do not walk on the tarping system.*
- Do not travel at high speed with the hopper open (uncovered).*
- Do not load or unload the hopper without fully uncovering it.*
- Do not release the ratchets (7): the ratchets must keep the cables tensioned to maintain proper system operation. Adjustment is performed during system assembly.*

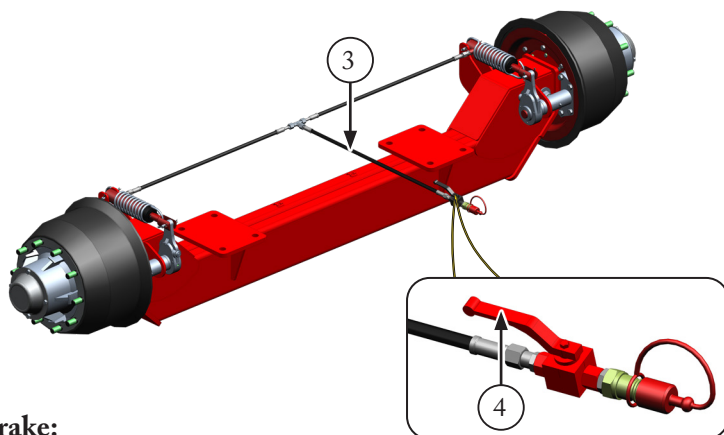


Detail A

6.6 - Using the hydraulic brake (optional)

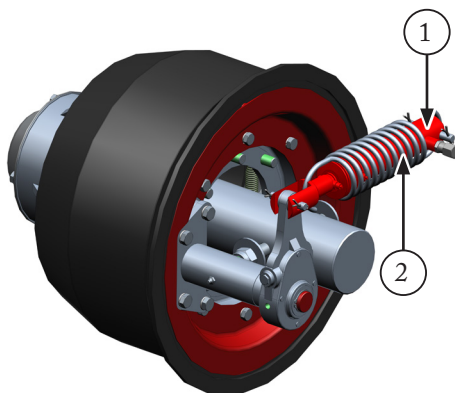
The brake system, drum-type, is hydraulically actuated by the remote control valve in single-acting mode by means of the cylinders (1), which act simultaneously on the rear wheels.

The return occurs by the action of the spring (2).



To use the brake:

- Connect the hose (3) to one line of the tractor SCV and open the valve (4).
- To apply the brakes, actuate the tractor SCV lever smoothly and progressively, keeping it in the actuation position.
- To stop braking, simply release the lever: the spring (2) returns the cylinder (1).
- When disconnecting the hose (3), close the valve (4).



ATTENTION!

Opening the valve in this situation will interrupt braking.



NOTE:

If it is necessary to keep the brake applied with the Tanker unhitched from the tractor, apply the brake, close the valve (4) and disconnect it from the tractor.



6.7 - Using the fire-fighting kit (optional)

This firefighting kit has limited capacity and is suitable only for use in the initial stages of fire (incipient fires).

Use of the kit does not replace professional firefighting systems. For situations in which the fire has developed or is out of control, the use of appropriate means with greater capacity is mandatory, as well as contacting the competent emergency services.



ATTENTION!

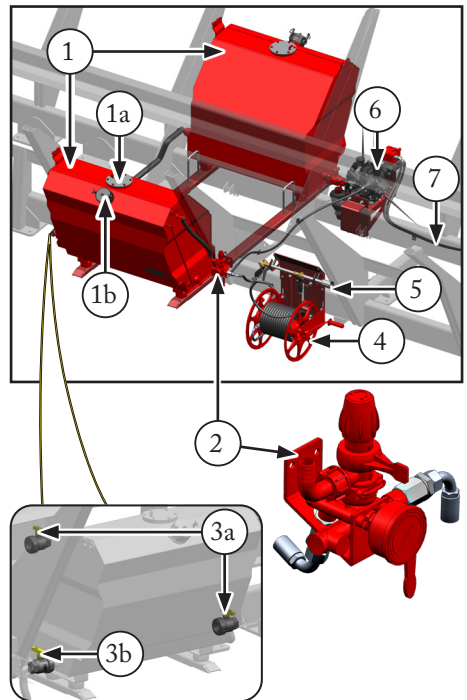
If the fire shows signs of spreading, high intensity, or risk to people's safety, immediately stop the firefighting attempt and contact emergency services and use suitable equipment, such as fire trucks.

The fire-fighting kit is installed at the rear section of the Tanker structure, under the chassis, exclusively for the Tanker Fast 33,000 model.

The system water pump is driven by a hydraulic motor from the tractor SCV.

A) Components

1. Reservoirs: have inspection covers (1a) and caps with breathers (1b), water level sight glass and drain plug. Each reservoir has a capacity of 350 liters, totaling 700 liters.
2. Water pressure regulating valve.
3. Reservoir valves: reservoir connection valves (3a) and pump supply valve (3b).
4. Reel.
5. Nozzle.
6. Hydraulically driven water pump.
7. Hydraulic hoses: connected to the tractor SCV.



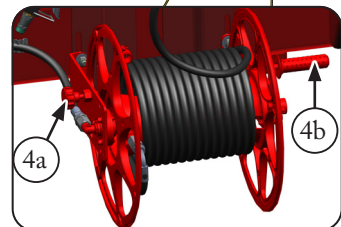
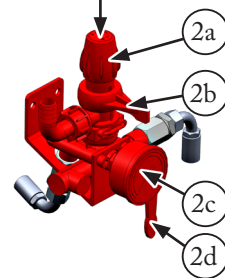
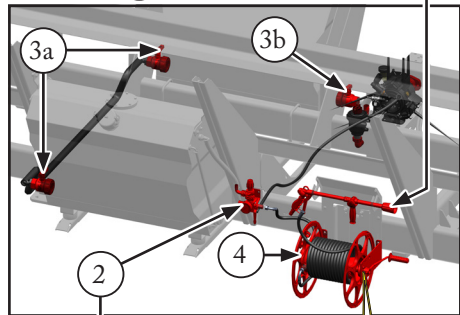
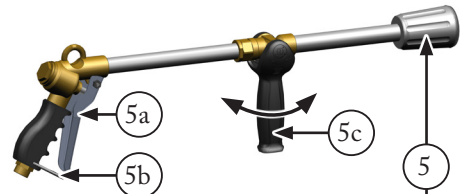
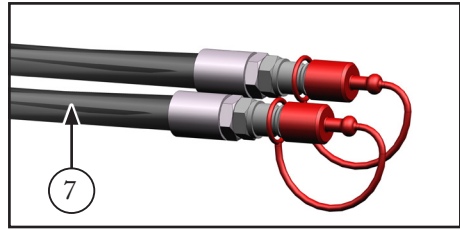
B) How to use

Before starting operation:

- a) Fill the reservoirs (1) with clean water.
- b) Connect the kit hydraulic hoses (7) to a continuous-flow outlet of the tractor SCV.
- c) Open the valves (2d, 3a and 3b).

When using the fire-fighting kit:

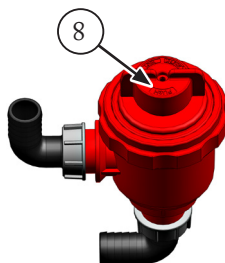
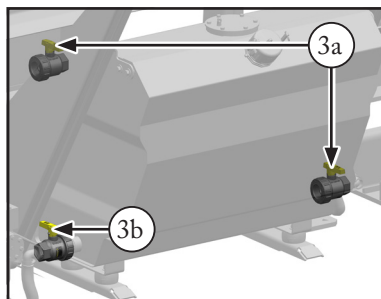
- d) Actuate the water pump, by means of the corresponding tractor SCV lever.
 - e) Accelerate the tractor engine.
 - f) Release the reel lock (5a) and pull the spray gun (5) with the hose to the fire location.
 - g) Activate the nozzle (5) by pressing the trigger (5a). The trigger can be locked open with the lock (5b).
- Adjust the water spray pattern by moving the lever (5c) forward or backward: see indicator arrow.
 - If necessary, change the pressure using the knob (2a) of the regulating valve:
 1. Release the lock (2b).
 2. Turn the knob (2a): clockwise increases the pressure and vice versa: the adjusted pressure is indicated on the pressure gauge (2c).
 3. Retighten the lock (2b).
 - h) After completing the operation, switch off the water pump and retract the hose by turning the crank (4b). Then, reengage the lock (4a).



C) Maintenance

Cleaning the water filter

- Close the valves (3a and 3b).
- Remove the filter cap (8): press it and turn it clockwise.
- Remove the filter and wash it.
- Reinstall the filter and cap (8): push it in and turn it counterclockwise.
- Open the valves (3a and 3b).



General care

- Check the tank before the beginning of the harvest season for cracks, leaks, and other damage.
- Always keep the protective screen of the tank filler neck clean.
- Inspect the hydraulic connections and hoses.
- Perform a functional test of the kit.

7.1 - Periodical maintenance chart

Maintenance item	Every 10 h or daily	Every 50 h or Weekly	Every 200 h or monthly	Every 1000 h or annually	See item:
General maintenance items					
Lubricate all grease lubrication points	X				7.2
Check the tightness of nuts and bolts, and the general condition of components	X				-
Check tire inflation pressure		X			7.5
Disassemble, clean, inspect and lubricate the wheel hubs				X	7.6
Check the front wheel toe-in on the Tanker Fast 33,000			X		7.7
Lubrication of the gearboxes and speed selection gearbox: see item 7.3					
Check the oil level in the gearbox and speed selection gearbox			X		7.3
Change the oil in the gearbox and speed selection gearbox	• First change: at 30 operating hours • Periodic changes: every 600 operating hours				
Lubricate the chain drive gearbox	X				7.3
Implement preservation during inactive periods					
After the operating season, prepare the Tanker for the inactive period (off-season) following the measures described in item 7.10					

7.2 - Grease lubrication (daily)

A) Recommended grease types

Manufacturer	Specified product
Ipiranga	Ipiflex 2 (Used at the factory)
Atlantic	Litholine MP 2
Shell	Retinax or Alvania EP 2
Esso	Beacon EP 2
Petrobrás	Lubrux GMA-2
Texaco	Multifak MP 2 or Marfak

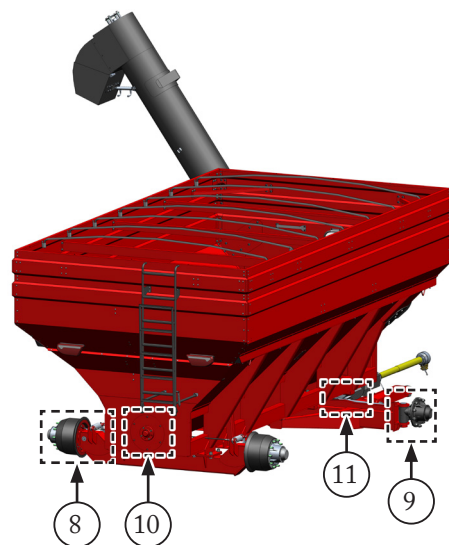
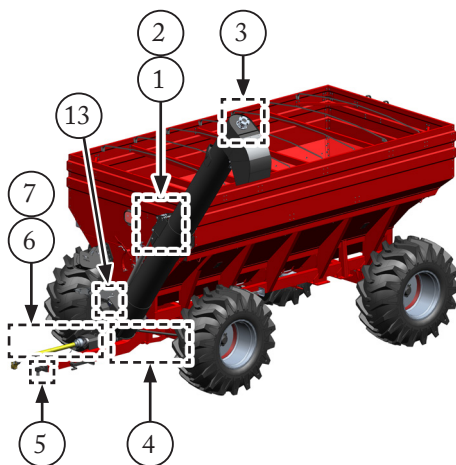
B) Identification of grease lubrication fittings



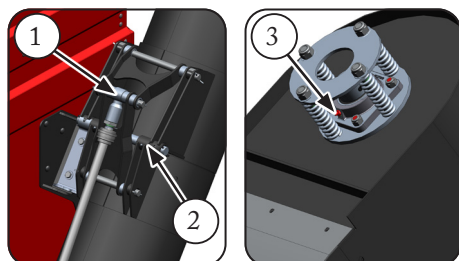
IMPORTANT:

Before applying grease, clean the grease fittings.

1. Discharge auger tube hydraulic cylinder rod: 1 fitting.
2. Unloading tube articulation: 4 fittings.
3. Discharge tube end bearing housing: 1 fitting.
4. Hitch: 5 fittings.
5. Coupling terminal: 2 fittings.
6. Driveshaft: 1 fitting in each crosshead.
7. Transmission support bearing: 1 fitting.
8. Brake shaft (when equipped): one grease fitting on each brake shaft.
9. Front hub axles: 1 grease fitting on each hub axle.
10. Rear bearing of the horizontal auger: 1 fitting.
11. Chain drive gearbox bearings: 2 fittings.



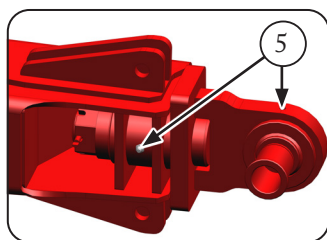
Unloading tube



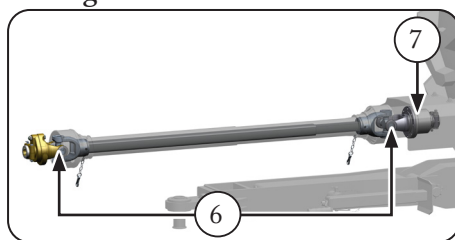
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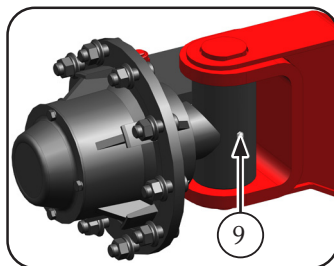
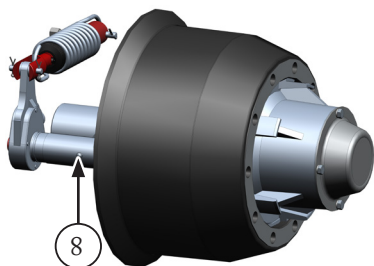
Hitch clevis



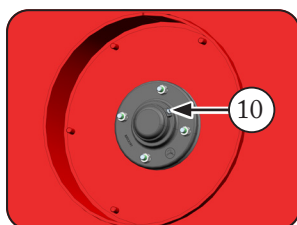
Drivelines and transmission support bearings



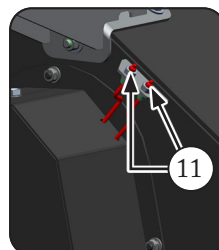
Hubs and axles



Horizontal auger bearing



Chain drive gearbox bearings



7.3 - Lubrication of the transmission and rotation selection gearboxes

A) Recommended oils

Classification: SAE 140 - API GL 4

Manufacturer	Specified products
Ipiranga	Ipirur AW 68 (Used at the factory) Ipirgerol SP SAE 140
Texaco	Universal EP SAE 140 Multigear EP SAE 85W 140 Multigear STO SAE 85W 140 Multigear LS SAE 85W 140 Meropa EP 320
Shell	Spirax AX SAE 85W 140 Spirax G SAE 140 Spirax ST SAE 85W 140
Esso	Gear Oil GX 85W 140 Gear Oil GX 140 Gear Oil GP 140
Petrobrás	Lubrax TRM-5 SAE 140 Lubrax GOLD 85W 140 Lubrax GL-5 SAE 140 Lubrax GL-5 SAE 85W 140
Petronas	PAKO R320 EP

B) Oil capacity

- Unloading tube gearbox capacity: 2.5 liters.
- Rotation selection gearbox capacity: 0.8 liters.

C) Oil level check

With the Tanker leveled, the oil must reach the fill plug (1) in the discharge tube gearbox. In the speed selector gearbox, the oil must reach the level plug (2).

To top up the oil

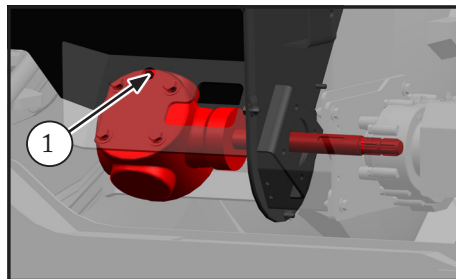
- On the discharge tube gearbox, remove the fill plug (1) and fill the gearbox until the oil reaches the fill plug hole (1).
- On the selector gearbox, remove the fill plug (1) and fill the gearbox until the oil reaches the plug hole (2).



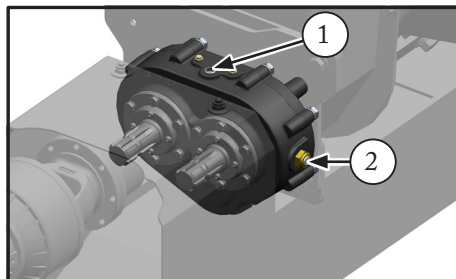
NOTE:

The fill plug (1) has a breather. Keep it clean at all times.

When topping up the oil, always use oil of the same brand and classification.



Unloading tube gearbox

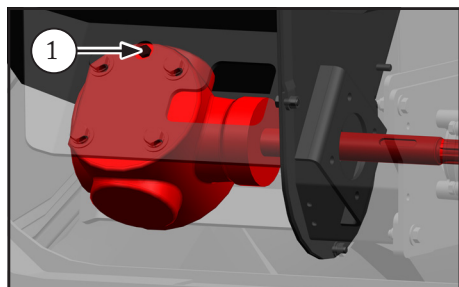


Rotation selection gearbox

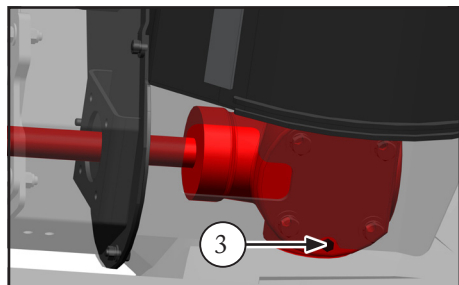
D) Oil change

Transmission gearbox:

- With the Tanker level, place a collection container under the gearbox.
- Remove the fill and drain plugs (1 and 3) and drain the oil.
- Reinstall the drain plug (3).
- Refill the gearbox with recommended oil, until it reaches the fill plug (1).
- Reinstall the fill plug (1).

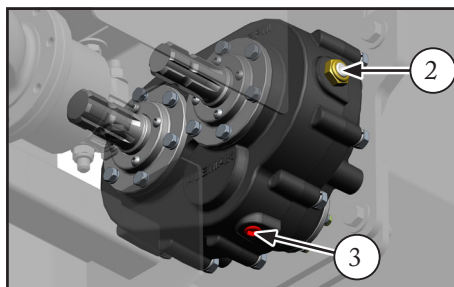


Unloading tube gearbox

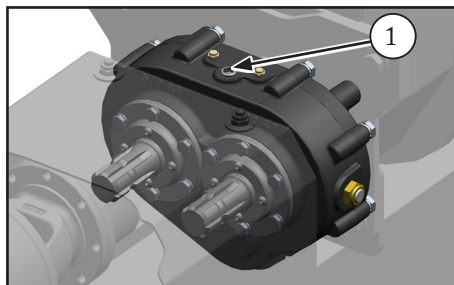


Rotation selection gearbox:

- With the Tanker level, place a collection container under the gearbox.
- Remove the fill and drain plugs (1 and 3) and drain the oil.
- Reinstall the drain plug (3).
- Refill the gearbox with recommended oil, until it reaches the level plug (2).
- Reinstall the fill plug (1).

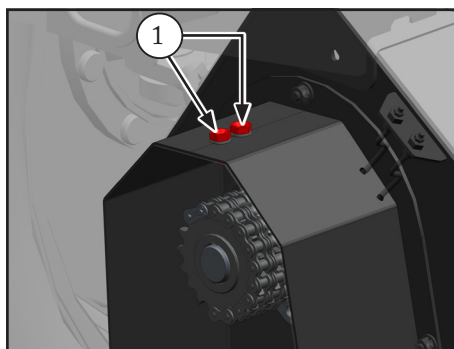


Rotation selection gearbox



E) Chain drive gearbox lubrication

- Apply drops of oil to the points (1) indicated in the image beside.
- Lubricate the gearbox daily.



7.4 - Adjusting the gearbox chain slack



ATTENTION!

Before any operation, disengage the tractor PTO.

A) Checking the slack

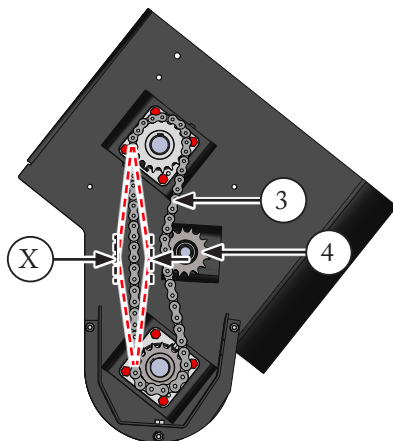
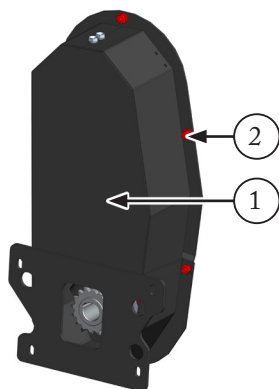
- Remove the upper cover (1), by removing the 6 bolts (2).

- Position a tape measure over the center point of the chain (3), on the side opposite the tensioning sprocket (4).

Move the chain at this point from one side to the other and make marks on the tape measure.

Measure the distance (X) between the marks, which corresponds to the chain slack.

The slack (X) must be 0.39 to 0.59 in (10 to 15 mm). If it is outside this range, adjust the chain.



B) Clearance adjustment

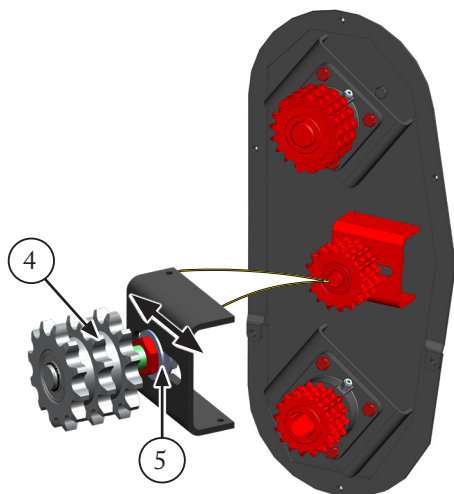
With the upper cover (1) removed:

- Loosen the nut (5) and move the assembly (4) as required to obtain the correct chain slack (3).
- After obtaining the adjustment, retighten the nut (5).
- Reinstall the cover (1) with the bolts (2).



NOTE:

Tighten the bolts (2) crosswise and in stages, to prevent deformation of the cover (1).



7.5 - Tire inflation

Proper tire inflation has a significant impact on their service life.

Check tire pressure with the tires cold.

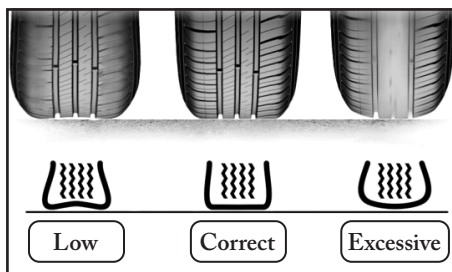
If necessary, inflate them.

The recommended pressure for each type of tire is shown in the table below, expressed in pounds per square inch (psi).



NOTE:

For the recommended tires for each Tanker, see item 3.10.

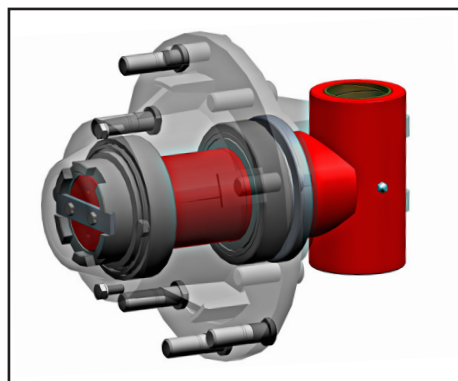


Tire	Recommended pressure (pounds per square inch)
18.4-34 TM 95 (12 ply)	32
23.1-26 MB 39 (14 ply)	24
30.5-32 MB 39 (14 ply)	22

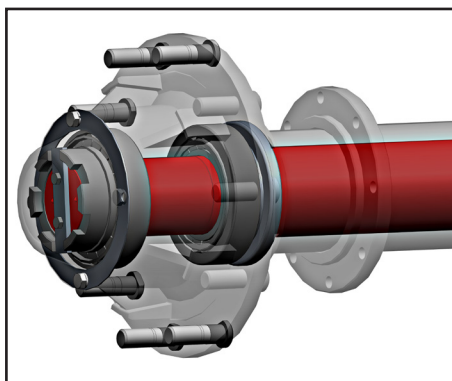
7.6 - Wheel hub maintenance

The wheel hubs must be disassembled; the parts washed in kerosene or diesel oil, inspected and reassembled; the bearing preload must be adjusted and the assembly must be lubricated.

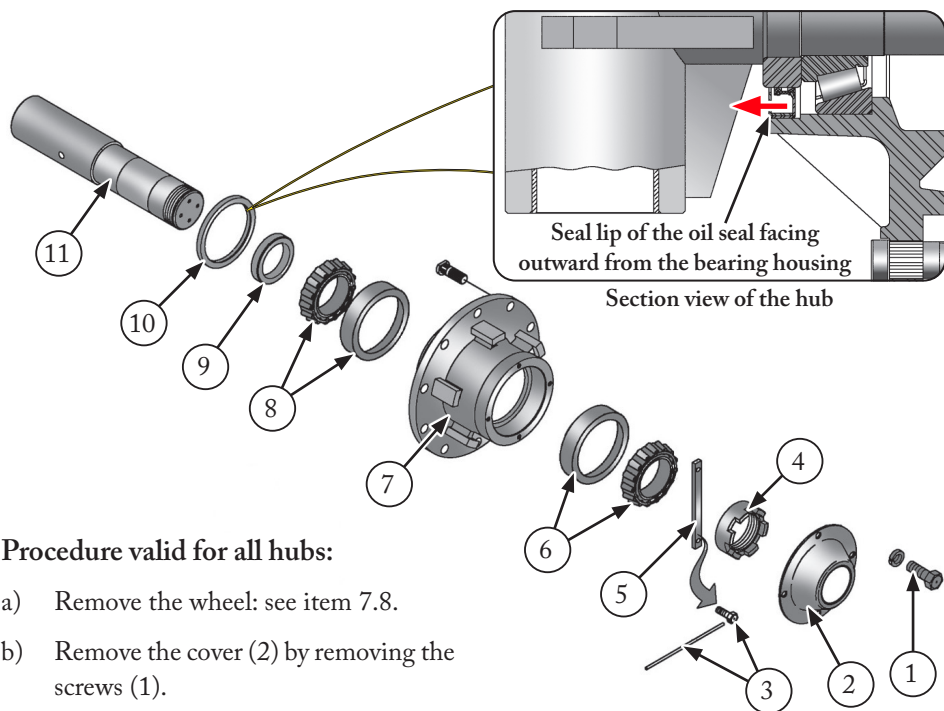
Some front hub parts differ in shape from the rear hubs. However, the procedure for both is identical:



Front hubs



Rear hubs



Procedure valid for all hubs:

- a) Remove the wheel: see item 7.8.
- b) Remove the cover (2) by removing the screws (1).
- c) Remove the lock (5) by removing the bolts and the cotter pin (3).
- d) Remove castle nut (4).
- e) Remove the hub (7), bearings (6 and 8), and the remaining components. To do this, pull the hub (7).
- f) Wipe the parts using a brush and kerosene.
- g) Inspect the components, replacing whatever is necessary.
Pay special attention to the retainer (10). If necessary, remove it destructively and assemble a new one.

Also check the condition of the ring (9), on which the seal (10) runs: if necessary, also replace the ring.



IMPORTANT:

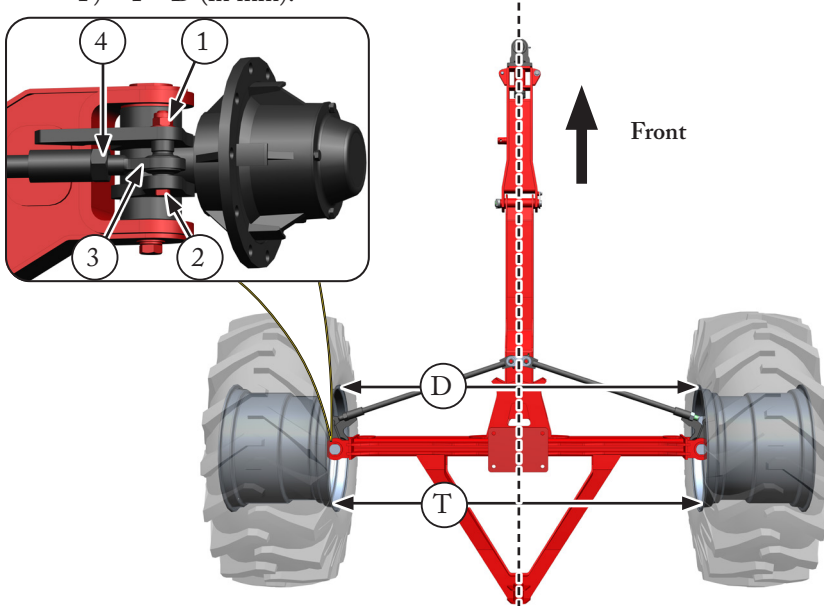
When installing the seal (10), observe the correct side: the sealing lip must face outward from the bearing housing (see detail above).

- h) Lubricate all parts with the types of grease recommended on item 7.2.
- i) Install the hub following the reverse order.
- j) Adjust the bearing preload (6 and 8): when installing the castellated nut (4), tighten it until the hub offers slight resistance to rotation.
- k) Install the lock (5) and bolts (3): lock them with wire.
- l) Repeat the procedure for the remaining hubs on the other wheels.

7.7 - Toe-In adjustment

Toe-in is measured only on the Tanker Fast 33,000, as it has a front axle. Toe-in is the condition in which the wheels are closer together at the front (measurement D) than at the rear (measurement T).

Therefore, toe-in is the difference between these measurements (D and T) = $T - D$ (in mm).



How to measure toe-in

- Keep the hitch centered, that is, with the wheels aligned with the implement centerline.
- With a jumper wire, measure the front (D) and rear (T) distance. The measurement should be made between the rim of the rims at the height of the axles.

Toe-in ($T - D$) must be 5 to 10 mm.

To adjust:

- Disconnect the tie rod end (3) from the steering arm, removing the nut (1) and bolt (2).
- Loosen the locknut (4) and turn the end (3) as needed.
- Reconnect the end (3) and check whether the toe-in is correct. If necessary, disconnect the end (3) and turn it a few more turns.
- Once the correct adjustment has been obtained, reconnect the tie rod end with the bolt (2) and nut (1).
- Tighten the nut (1) and the locknut (4).



NOTE:

If the toe-in is too far out of specification, make the adjustment evenly, on the steering bar on both sides of the axle.

7.8 - Removal and installation of the wheels and rear axle position change

A) Suspending the Tanker



ATTENTION!

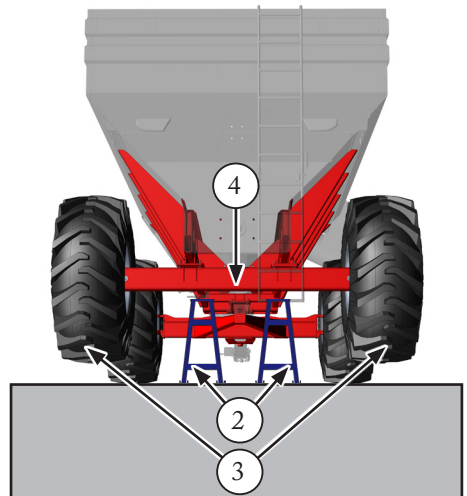
The Tanker axles must not be lifted simultaneously!

Do not perform any activity with the Tanker supported only by the jack! Position jack stands (2) with the required load capacity under the chassis, at the positions indicated in the figure beside:

- Perform this procedure with the Tanker on a flat and level surface.
- Ensure complete immobilization of the Tanker by one of the following methods:
 - Keep it hitched to the tractor (shut off and with the parking brake applied).
 - Or place wooden chocks under the wheels that remain on the ground.



Image for reference only



B) Wheel removal and installation

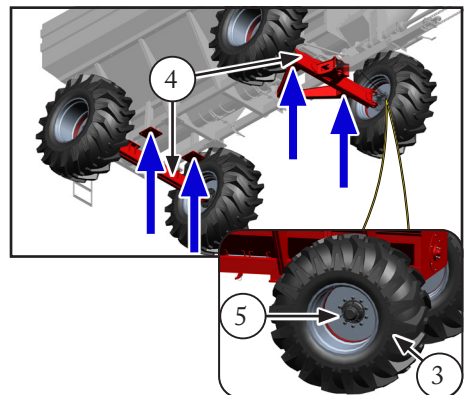
- a) Loosen the wheel nuts (5) of the wheel(s) (3) to be removed.
- b) Lift the axle with the jack (1), until the wheel(s) (3) are clear of the ground.
- c) Position jack stands (2) on the Tanker chassis (4).



NOTE:

To remove only one of the wheels, lift and support only the side of the axle corresponding to the wheel to be removed.

- d) Remove the nuts (5) and the wheel(s).
- e) After reinstalling the wheel(s), raise the axle, remove the jack stands (2), lower the wheels to the ground, and perform final tightening of the nuts (5).



- f) For Tanker Fast 33,000 apply the same procedure to both axles.

7.9 - Tanker cleaning and maintenance

Proper care of agricultural equipment that operates with corrosive chemical products depends mainly on frequent cleaning, periodic inspection and proper storage.

Neglecting these practices may result in accelerated corrosion, reduced service life, increased maintenance costs, and operational safety risks.

A) Implement preservation guidelines

- Perform immediate cleaning of the equipment after completing operations, especially when there has been contact with:
 - Chemically treated seeds: image beside.
 - Micronutrients, inoculants, or chemical amendments.
- Use plenty of clean water, completely removing residues, deposits, and accumulated dust.
- Avoid using harsh cleaning products, strong acids, or strong alkaline products.
- Whenever possible, perform washing followed by drying, avoiding prolonged residual moisture.



Image for reference only

Protection of painted surfaces (carbon steel)

- Regularly inspect the paint, identifying:
 - Scratches, chips, blisters, or peeling spots.
 - Areas of greater abrasion (corners, welds, edges, material flow zones).
- Keep the paint intact, as it is the primary barrier against oxidation.

Protection of surfaces with metallic coating (galvanization)

- Avoid "white rust" (zinc oxidation due to accumulated moisture).
- Remove residue from metal surfaces by washing after use to neutralize corrosive salts:
 - After washing, dry the parts completely.
Zinc requires exposure to dry air to form a stable zinc carbonate layer; retained moisture causes white oxidation.
 - Apply protective products to form a film that repels water and chemical residues.
- Maintenance and preservation, if the zinc layer suffers scratches or mechanical wear:
 - Apply zinc-based protective products, in aerosol (spray), to touch up the areas where the base metal (steel) was exposed. This restores galvanic protection at the affected location.

Proper storage

- Store the equipment in a covered, dry, and ventilated location, preferably away from a corrosive atmosphere.
- Avoid storing the equipment with chemical product in the hopper, even for short periods.

B) Corrective actions

Removal of deposits and residues

- Completely remove any chemicals adhering to the surfaces.

Treatment of corrosion points on carbon steel

- Remove oxidation by mechanical brushing, sanding, or light blasting, depending on severity.
- Apply an appropriate anticorrosive primer and repaint with compatible paint recommended for agricultural environments.



Periodic inspections

Establish a visual and functional inspection plan, observing:

- Critical material accumulation points.
- Welds, bolted joints, and sharp edges.
- Internal areas of hoppers and ducts.

7.10 - Suggested spare parts for stock



Oil for the gearboxes and for the speed selector gearbox.

See item 7.3 - A) on recommended products.

Suggested quantity: 5 liters



A) The product doesn't have enough flow rate or it is not continuous. Check if:

1. There are no foreign objects at the bottom of the tank, obstructing the exit.
2. The gate(s) is/are fully open.
3. Tunneling is occurring inside the hopper, caused by excessive moisture in the product.

B) Clogging and grain damage occur. Check if:

1. The augers are operating correctly.
2. Unloading was interrupted and, afterward, excessive movement of the Tanker was performed with the discharge tube full of product, causing compaction.

C) There is vibration or unusual noise. Check if:

1. The driveshaft U-joints show wear or excessive play and have been lubricated regularly.
2. The driveshaft yokes are aligned: check that the marks match: see item 5.2.
3. Bolts, nuts, bearings and other components are properly fastened.
4. There are foreign objects in the inside of the tank and/or unloading tube.
5. The discharge conveyor auger is unbalanced.

D) The gearboxes are overheating. Check if:

1. The oil level is correct and whether it has been changed within the recommended interval: see item 7.3.

E) During transport with the Tanker loaded, lateral instability occurs. Check if:

1. The tire inflation pressure is as recommended: see item 7.5.
2. The ground speed is compatible with the traffic conditions.
3. The load being transported is not above the recommended capacity: see specifications in item 3.6.
4. The wheels (rim and tire) are installed in the recommended position: see item 4.1.

We believe that, with the information contained in this manual, you, the user, will be able to clarify your questions about the Tanker Fast 19,000 and 33,000.

If, however, unforeseen events occur, we recommend that you seek assistance from the nearest Dealer. If necessary, he will request aid from Jan's Technical Assistance, which will be available to solve problems as fast as possible.

Some explanations about Warranty and replacement parts are provided below.

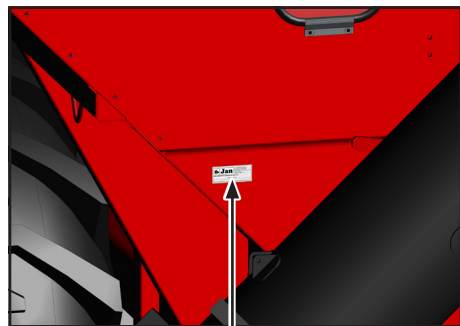
Ways to contact Jan:

See the contact information on the back cover of the Manual.

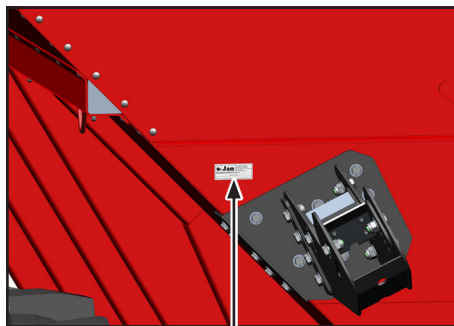
9.1 - Spare parts

When replacing parts on the Tanker, use only genuine Jan parts, which are properly designed for the product to meet strength and fit requirements, so as not to impair the equipment functionality. In addition, using genuine replacement parts preserves the customer's warranty rights.

When requesting these parts from your dealer, always provide the manufacturing date of your Tanker, written on the serial number plate (1).



Tanker Fast 19,000



Tanker Fast 33,000

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		IMPLEMENTOS AGRÍCOLAS JAN S.A.
IDENTIFICAÇÃO		1

9.2 - Jan Warranty Terms

The Warranty term, expressed herein, is the Dealers' responsibility towards their Clients. It shouldn't, therefore, be used as an understanding instrument between the Client and Manufacturer.

The conditions below are basic and will be considered whenever a dealer submits to Jan's discretion a Warranty request.

1. Jan warrants this product only to the original purchaser, for a period of 6 (six) months, from the date of delivery.
2. This Warranty covers exclusively workmanship and material defects, being labor, freight and other expenses not covered by this Certificate, as they are the Dealer's responsibility.
3. Any attachments which have not been exclusively manufactured by us will not be covered by this Warranty term and their warranty claims should be sent to their respective dealers or manufacturers.
4. The Warranty will be voided when it is found that the defect or damage resulted from improper use of the equipment, failure to observe the instructions or operator inexperience.
5. The Warranty will be also void if the product is repaired or altered in a workshop or by mechanics that do not take part in our dealers network.
6. Also excluded from the Warranty are parts or components that present defects originating from the improper application of other non-genuine parts or components applied to the product by the user.
7. Products that suffer neglect of any type, to an extreme degree, such that their safety has been affected, are also excluded from the Warranty, according to the judgment of the company, whose decision, in such cases, is final.
8. Workmanship and/or material defects, objects of this Warranty, will not constitute, under any circumstance, a reason for sale and purchase contract cancellation or for indemnification of any nature.

**NOTE:**

Implementos Agrícolas Jan S.A. reserves the right to introduce changes in the designs and/or make improvements to its products without incurring any obligation to make such changes to products manufactured previously.



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