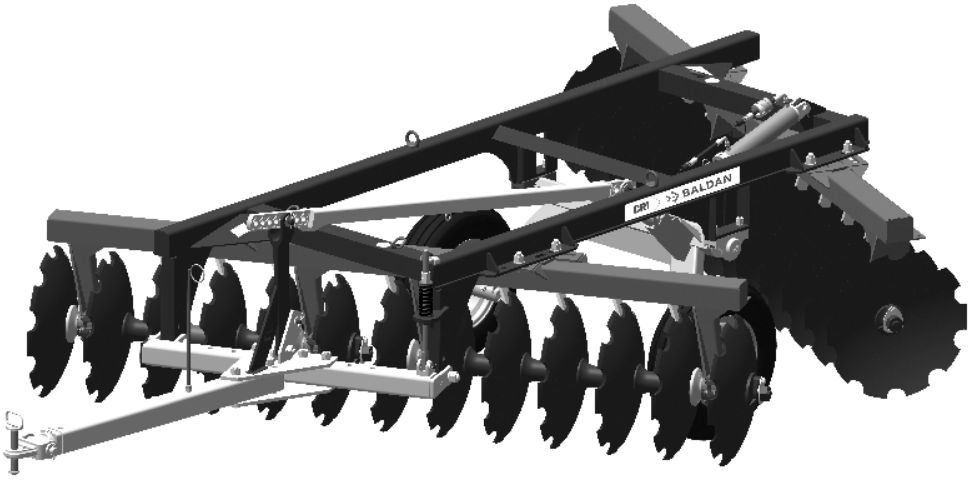
Instruction Manual



CRI 12-30

Drag Type Offset Disc Harrow Remote Control

BALDAN

Presentation

We appreciate the preference and would like to congratulate you for the excellent choice you just made, since you have acquired a product manufactured with **BALDAN IMPLEMENTOS AGRÍCOLAS S/A** technology.

This manual will guide you through the procedures required since its acquisition until operational procedures of usage, safety and maintenance.

BALDAN assures that it has delivered this implement for resale in full and in perfect conditions.

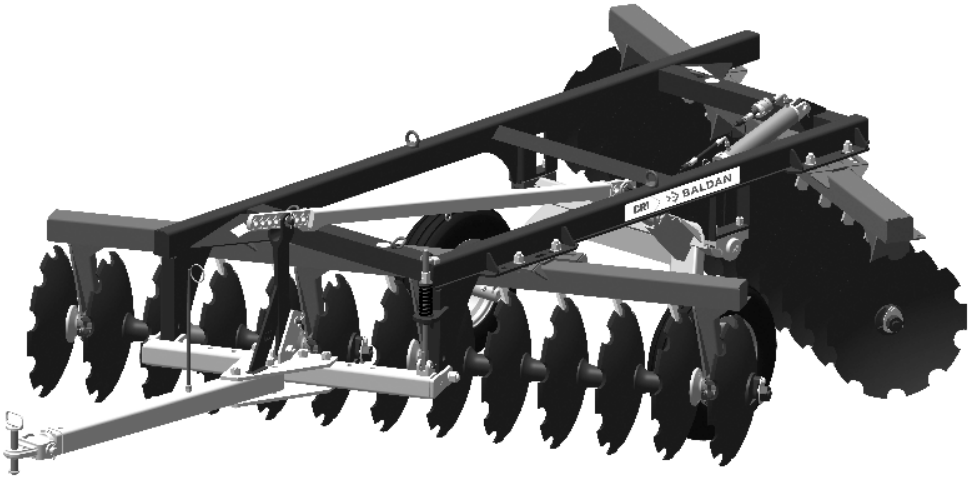
Resale was responsible for the custody and maintenance during the period in its possession, and also for the assembly, retightening, lubrication and overhaul.

During the technical delivery, dealer should guide the user regarding maintenance, safety, their obligations in eventual technical assistance, strict compliance with the warranty term and reading the instructions manual.

Any technical assistance request while in warranty must be made to the dealer from whom you have purchased it.

We reiterate the need for a careful read of the warranty certificate and compliance of all items from this manual, because by doing so you will increase the life of your device.

Instruction Manual



CRI 12-30

Drag Type Offset Disc Harrow Remote Control

BALDAN IMPLEMENTOS AGRÍCOLAS S/A.
CNPJ: 52.311.347/0009-06
Insc. Est.: 441.016.953.110

Scan the QR Code on the identification plate of your device and access this Instruction Manual online.

BALDAN

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▪ Index

▪ Baldan Warranty

BALDAN IMPLEMENTOS AGRÍCOLAS S/A ensures the dealer normal performance of the implement for a period of six (6) months as of the delivery date on the retail invoice to the first final consumer.

During this period, **BALDAN** undertakes to repair defects in material and/or of manufacture of its liability, including labor, freight and other expenses of the dealer's liability.

In the warranty period, request and replacement of eventual defective parts shall be made to the dealer of the area, who will submit the faulty piece for **BALDAN** analysis.

When this procedure is not possible and the resolving capacity of the dealer is exhausted, the dealer will request the support of **BALDAN** Technical Assistance through a specific form distributed to dealers.

After analyzing the replaced items by **BALDAN** Technical Assistance, and concluding that it is not a warranty, then the dealer will be responsible for the costs related to the replacement; as well as material expenses, travel including accommodation and meals, accessories, lubricant used and other expenses arising from the call out to Technical Assistance, and **BALDAN** company is authorized to carry the respective invoice in the name of the resale.

Any repair carried out in the product within the dealer warranty deadline will only be authorized by **BALDAN** upon previous budget presentation describing parts and workforce to be executed.

The product is excluded from this term if it is repaired or modified by representatives not belonging to the **BALDAN** dealer network, as well as the application of non-genuine parts or components to the user's product.

This warranty is void where it is found that the defect or damage is caused by improper use of the product, failure to follow instructions or inexperience of the operator.

It is agreed that this warranty does not cover tires, polyethylene tanks, cardan shafts, hydraulic components, etc., which are equipment guaranteed by their manufacturers.

Manufacturing and/or material defects, object of this warranty term, will not constitute, under any circumstances, grounds for termination of a purchase agreement, or for indemnification of any nature.

Baldan reserves the right to change and/or perfect the technical characteristics of its products, without previous notice, and without obligation to proceed in the same way with the products previously manufactured.

▪ General Information

• To the owner

BALDAN IMPLEMENTOS AGRÍCOLAS S/A is not responsible for any damaged caused by accident due to usage, transportation, or in the improper or incorrect transportation of its implement, whether by negligence and/or inexperience of any person.

Only people with complete knowledge of the tractor and the implement should carry their transportation and operation.

BALDAN is not responsible for any damaged caused in unpredictable or unrelated situations to the normal use of the implement.

The incorrect handling of this equipment may result in severe or fatal accidents. Before starting the equipment, carefully read the instructions contained in this manual. Make sure that the person responsible for the operation is instructed as the correct and safe handling. Also make sure that the operator has read and understood the instructions manual of the product.

⚠ ATTENTION

NR-31 - SAFETY AND HEALTH AT WORK IN AGRICULTURE, LIVESTOCK FORESTRY, FOREST EXPLORATION AND AQUACULTURE.
The purpose of this Regulatory Standard is to establish the precepts to be observed in the organization and in the work environment, in a manner compatible with the planning and development of agriculture, livestock, forestry and aquaculture activities with the safety and health and environment work environment.

MR. OWNER OR OPERATOR OF THE EQUIPMENT.
Read and carefully comply with provisions of NR-31.

For more information, refer to the site and read in full NR-31.
http://portal.mte.gov.br/legislacao/normas-regulamentadoras-1.htm

▪ Safety Rules

• To the operator

THIS SYMBOL INDICATES IMPORTANT SAFETY WARNING. IN THIS MANUAL, WHENEVER YOU FIND IT, READ THE FOLLOWING MESSAGE CAREFULLY AND PAY ATTENTION TO THE POSSIBILITY OF PERSONAL ACCIDENTS.

ATTENTION

Carefully read the instructions manual to learn about the recommended safety practices.

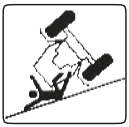
ATTENTION

Only start to operate the tractor when you are properly seated and with the seat belt locked.

ATTENTION

Do not transport people or equipment on the tractor.

ATTENTION



There are risks of severe injuries due to tipping when working in sloped terrains.
Do not over speed.

ATTENTION

Do not work with the tractor if the front has insufficient ballast to the rear equipment. Should there be a trend to lift, add weights or ballasts to the front or the front wheels.

ATTENTION

Before performing any maintenance in your equipment, make sure it is properly stopped. Avoid being run over.

ATTENTION

Be careful when handling the CRI support leg, as there is a risk of accidents.

▪ Safety Rules

⚠ ATTENTION

FOLLOW ALL RECOMMENDATIONS, WARNINGS AND SAFE PRACTICES RECOMMENDED IN THIS MANUAL, UNDERSTAND THE IMPORTANCE OF YOUR SAFETY. ACCIDENTS MAY LEAD TO DISABILITY OR INCLUDING DEATH. REMEMBER, ACCIDENTS CAN BE AVOIDED!

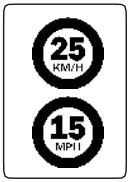
⚠ ATTENTION

Do not make adjustments with the CRI in operation.
When doing any service on the CRI, turn off the tractor first.
Use appropriate tools.

⚠ ATTENTION

When looking for possible leaks in hoses, use a cardboard or wood, never use your hands. Avoid fluid incision into the skin.

⚠ ATTENTION

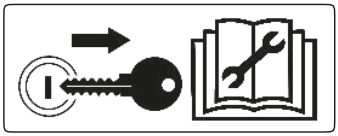


When transporting the CRI, do not exceed the speed of 25Km/h or 15 MPH, avoiding risks of damages and accidents.

⚠ ATTENTION

When working with the CRI, do not exceed the speed of 12Km/h or 7 MPH, avoiding risk of damages and accidents.

⚠ ATTENTION



Remove the ignition key before performing any maintenance on the CRI. Protect yourself from possible injury or death caused by an unforeseen CRI start up.
If the CRI is not properly engaged, do not start the tractor.

⚠ ATTENTION

Hydraulic oil works under pressure and may cause serious injuries if there are any leakages.
Periodically check hoses for conservation. If there are any sign of leakage, replace them immediately. Before connecting or disconnecting hydraulic hoses, relief system pressure by activating the command with the tractor power switched off.

Safety Rules

ATTENTION

Always maintain places of access and work free of residues such as oil or grease to prevent accidents.

ATTENTION

Before commencing work or transportation to CRI, check for any nearby persons or obstructions.

ATTENTION

Avoid heating parts near the fluid lines.

Heating may generate fragility in the material, rupture and exit of the pressurized fluid, causing burns and injuries

ATTENTION

Keep the joint area free while the CRI is in operation.

In closed curves, prevent tractor wheels from touching the head.

ATTENTION

Never weld the tire-mounted wheel, the heat may cause increased air pressure and cause the tire to burst.

When filling the tire, position yourself besides the tire, never in front of it. To inflate a tire, always use a containment device (inflation cage).

ATTENTION

Always stay away from the active elements of the CRI (discs), they are sharp and can cause accidents.

When performing any service in the discs, wear safety gloves.

ATTENTION

Disposing of waste improperly affects the environment and the environment, as it will pollute rivers, canals or the soil.
Inform yourself about the proper way of recycling or disposing residues.

PROTECT THE ENVIRONMENT!

▪ Safety Rules

• PPE Equipment

ATTENTION

DO NOT WORK WITH THE CRI WITHOUT WEARING PPE (SAFETY EQUIPMENT). IGNORING THIS WARNING MAY CAUSE DAMAGES TO HEALTH, SEVERE ACCIDENTS OR DEATH.

When performing certain procedures with the **CRI**, wear the following Safety Equipment (PPE):

IMPORTANT

Safety practice must be performed in all stages of working with the CRI, thus avoiding accidents such as impact of objects, fall, noise, cuts and ergonomics, in other words, the person responsible for operating the CRI is subject to internal and external bodily damage.

OBSERVATION

All PPEs (Safety Equipment) should have certificate of authenticity.

▪ Warnings

⚠ When operating with the CRI, do not let people stay close or on it.

⚠ When performing any maintenance service, use PPEs equipment.

⚠ Before connecting or disconnecting hydraulic hoses, relief the system pressure by activating the command with the tractor power switched off.

⚠ Periodically check the conservation status of the hydraulic hoses. If there are indications of oil leakage, replace the hose immediately, because the oil works under high pressure and may cause serious accidents.

⚠ Do not wear loose clothing, as they may get caught in the CRI.

⚠ When operating the tractor engine, be properly seated in the operator's seat and be aware of the full knowledge of the correct and safe handling of both the tractor and the CRI. Always put the gear shift in neutral position, unplug the power take-off gear switch and place the hydraulic controls in neutral position.

⚠ Do not start the motor in a closed environment or with no proper ventilation since the exhaust gases are harmful to health.

⚠ When maneuvering the tractor to the CRI hitch, make sure you have adequate clearance and that there are no people too close, always maneuver at idle and be prepared to brake in an emergency.

⚠ Do not make adjustments with the CRI in operation.

⚠ When working in sloped terrains, proceed with precautions, always trying to maintain the required stability. In case of imbalance, reduce acceleration, turn the wheels to the slope side of the terrain and never lift the CRI.

⚠ Always conduct the tractor in speeds compatible to the safety, especially during works in bumpy lands or slopes, keep the tractor always engaged.

⚠ When driving the tractor in highways, keep the brake pedals interconnected.

⚠ Do not work with the tractor with light rear. If the rear has a tendency to lift, add more weights on the rear wheels.

⚠ When leaving the tractor, put the gear lever in neutral position and apply the parking brake. Never leave the CRI on the tractor in the raised position of the hydraulic system.

⚠ The CRI must be turned off before any maintenance work.

⚠ Do not travel on highways especially at night. Use warning signs throughout the course

⚠ If you need to travel with the CRI on highways, consult traffic authorities.

▪ Warnings

⚠ The CRI must not be operated by untrained people, i.e. people who do not know to properly operate it.

⚠ Do not transport or work with the CRI near obstacles, rivers or streams.

⚠ The transportation of people on self-propelled machines and implements is forbidden.

⚠ Changes to the original CRI characteristics are not allowed, as they may alter the safety, operation and life of the CRI.

⚠ Read all safety information contained in this manual and the CRI carefully.

⚠ Read or explain all the procedures of this manual to the operator who cannot read.

⚠ Always check that the CRI is in perfect conditions of use. In the event of any irregularity that may interfere with the operation of the CRI, ensure proper maintenance before any work or transportation.

⚠ Maintenance and especially inspection in CRI risk areas should be done only by a qualified or qualified worker, observing all safety guidelines. Before starting maintenance, disconnect all CRI drive systems.

⚠ Periodically check all components of the CRI before using it.

⚠ Due to the equipment used and work conditions on field or in maintenance areas, precautions are required. Baldan has no direct control over precautions, so it is the owner's responsibility to implement safety procedures while working with CRI.

⚠ Check the recommended minimum tractor power for each CRI model. Only use tractor with power and ballast compatible with the load and topography of the terrain.

⚠ When transporting the CRI, travel at speeds compatible with the terrain and never exceed 16 km/h, as this reduces maintenance and consequently increases the life of the CRI.

⚠ Alcoholic beverage or some medications may cause loss of reflexes and change the operator´s physical conditions. Therefore, never operate this CRI under the influence of these substances.

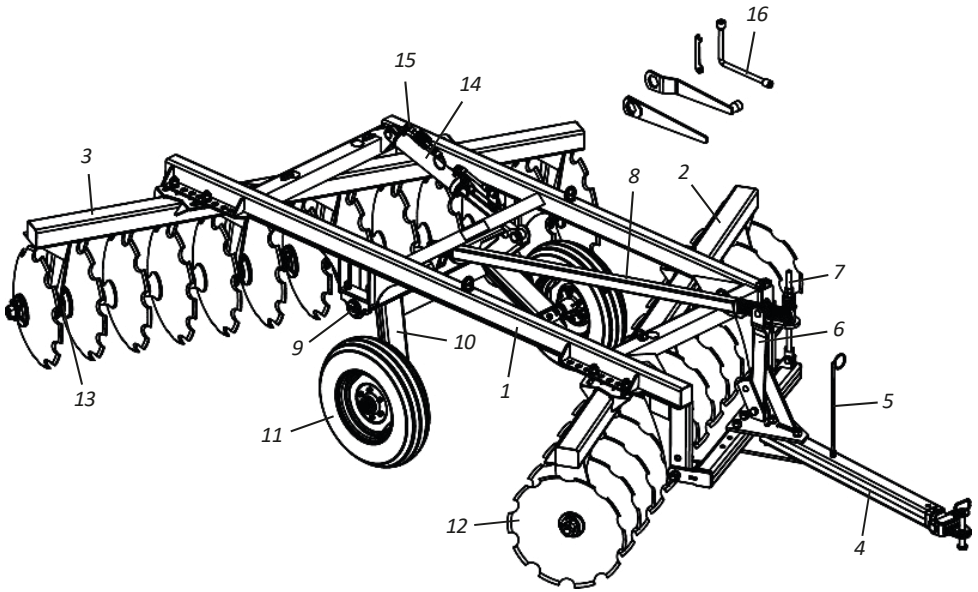
⚠ Read or explain all the procedures of this manual to the operator who cannot read.

In case of doubts, refer to Post-Sales.
Telephone: 0800-152577 / E-mail: posvenda@baldan.com.br

Components

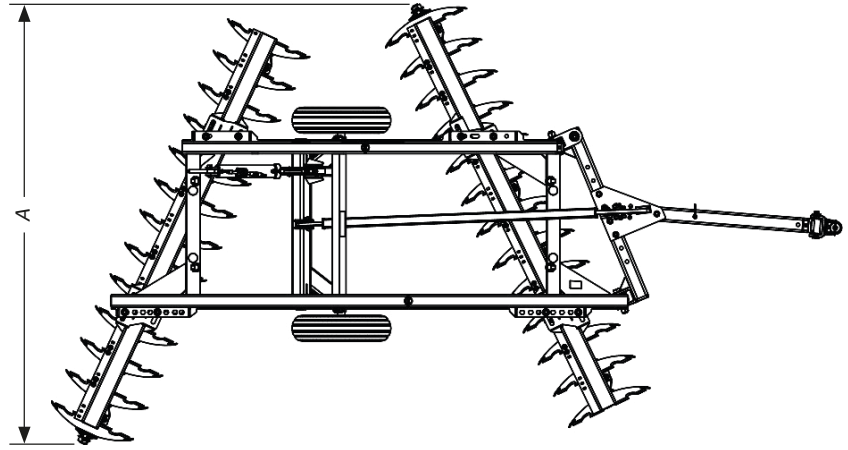
CRI - Drag Type Offset Disc Harrow Remote Control

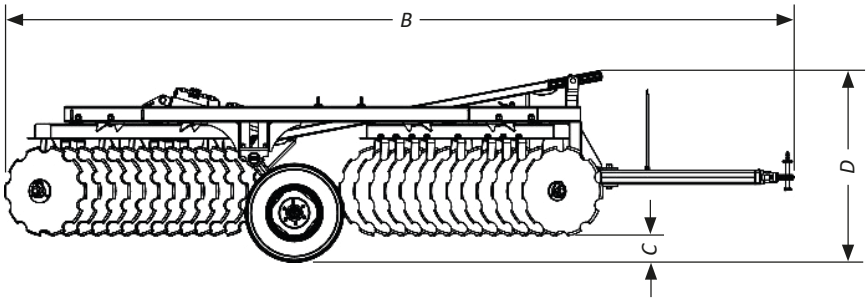
1. Pillar
2. Front frame
3. Rear frame
4. Coupling head
5. Hose support
6. Stabilizer bar support
7. Stabilizer rod
8. Stabilizer bar
9. Articulation shaft hub
10. Tire articulation shaft
11. Tires
12. Discs
13. Bearing
14. Hydraulic cylinder
15. Hydraulic hoses
16. Wrenches



▪ Dimensions

• CRI - Drag Type Offset Disc Harrow Remote Control





Model	Nr of Discs	Measure A (mm)	Measure B (mm)	Measure C (mm)	Measure D (mm)
CRI	12	1728	5351	173	1439
CRI	14	1986	5351	173	1439
CRI	16	2196	5925	209	1512
CRI	18	2445	6037	209	1512
CRI	20	2709	6043	209	1512
CRI	22	2958	6159	209	1512
CRI	24	3207	6159	209	1512
CRI	26	3461	6222	209	1512
CRI	28	3715	6278	209	1512
CRI	30	3960	6333	209	1512

▪ Specifications

• CRI - Drag Type Offset Disc Harrow Remote Control

Model	Nr of Discs	Working Width (mm)	Disc Diameter (ø)	Approximate Weight (Kg)		Tractor Power (HP)	Tires	Ground Wheel
				26"	28"			
CRI	12	1500	26" - 28"	1339	1420	71 to 76	600x16	Single
	14	1750	26" - 28"	1405	1503	83 to 88	600x16	Single
	16	2000	26" - 28"	1780	1893	95 to 100	750x16	Single
	18	2300	26" - 28"	1920	2049	106 to 114	750x16	Single
	20	2550	26" - 28"	2012	2155	118 to 126	750x16	Single
	22	2835	26" - 28"	2103	2248	130 to 138	750x16	Single
	24	3100	26" - 28"	2209	2359	142 to 151	750x16	Single
	26	3350	26" - 28"	2311	2472	154 to 165	750x16	Single
	28	3650	26" - 28"	2383	2558	165 to 177	750x16	Single
	30	3925	26" - 28"	2453	2641	177 to 189	750x16	Single

Axle diameter (ø) ..... 1.5/8"
Disc spacing ..... 270 mm
Working depth ..... 150 - 250 mm

Baldan reserves the right to change and/or perfect the technical characteristics of its products, without previous notice, and without obligation to proceed in the same way with the products previously manufactured.
Technical specifications are approximate and informed under normal work conditions.

INTENDED USE OF THE CRI

-The **CRI** was developed to work on various types of land.
-The **CRI** must be conducted and operated only by a properly instructed operator.

UNAUTHORIZED USE OF THE CRI

- To avoid damage, serious accident or death, do not transport people over any part of the **CRI**.
- Using the **CRI** to hitch, tow or push other implements or accessories is not allowed.
-The **CRI** must not be used by an inexperienced operator who is not familiar with all driving, command and operation techniques.

▪ Assembly

The **CRI** leaves the factory disassembled. To assembly it, follow the instructions below:

⚠ The **CRI** must be assembled by the resale, through trained and qualified personnel for this work.

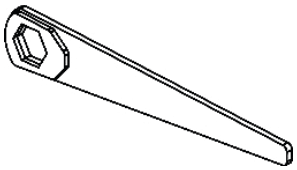
⚠ Before assembling the **CRI**, look for an ideal location where you can easily identify its parts and assembly.

⚠ Do not wear loose clothing, as they may get caught into the **CRI**.

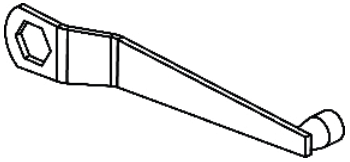
⚠ Use PPE (Safety Equipment).

• Wrench set

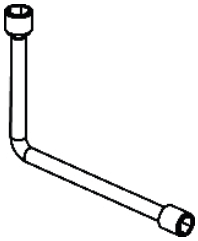
When assembling, disassembling, or servicing the **CRI**, use the set of wrenches provided with the harrow**.** The Wrench Set consists of:



WRENCH FOR 1.5/8" HEX NUT



WRENCH FOR 1.5/8" AND 1" HEX NUT



WRENCH FOR 5/8" AND 3/4" HEX NUT

WRENCH FOR 3/8 "AND 1/2" HEX NUT

⚠ ATTENTION | **If any wrench is lost or broken, get another one immediately. Always use original Baldan wrenches.**

▪ Assembly

• Assembling discs section

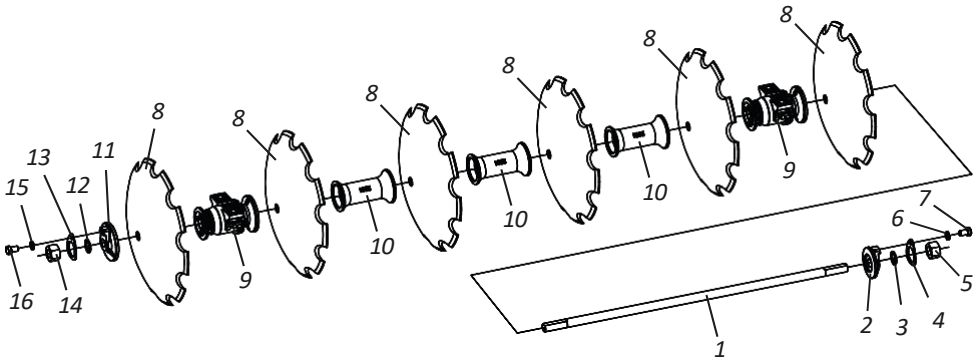
When starting the **CRI** assembly, always start with the disc set, proceeding as follows:

01 - Fit the locking washer (2), flat washer (3), locking nut (4), nut (5) onto the shaft (1), securing it with the lock washer (6) and bolt (7).

02 - Then, place, onto the shaft (1), disc (8), bearing (9), another disc (8), separator spool (10) and so on.

03 - When the assembly is complete with all discs, bearings, separator spools, place the convex thrust washer (11), plain washer (12), lock (13), nut (14), tightening with a wrench until the whole set is secured.

04 - Then, fit the disc assembly and tighten the nut (14) by impacts. When you are about to reach maximum torque, adjust the lock (13) with the convex washer (11), always tightening the nut until coincide with the boring, attach it with the pressure washer (15) and screw (16)



⚠ ATTENTION

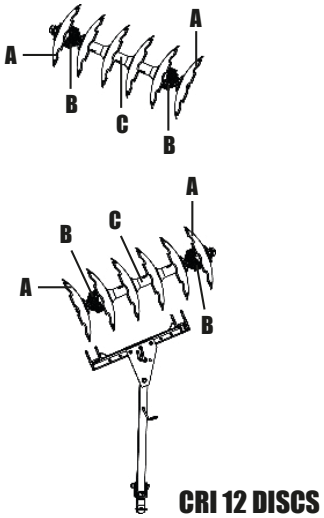
During the first week of use of the CRI, retighten all bolts and nuts on the disc sections sections daily, then retighten them periodically.

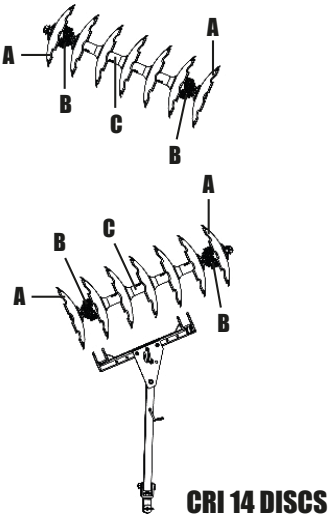
IMPORTANT | **Check the right side of the separating spools and bearings according to the concavity of the discs.**

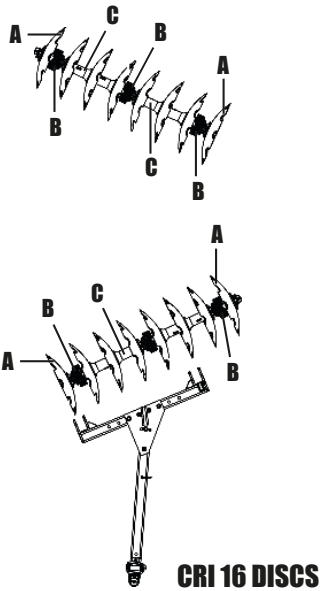
▪ Assembly

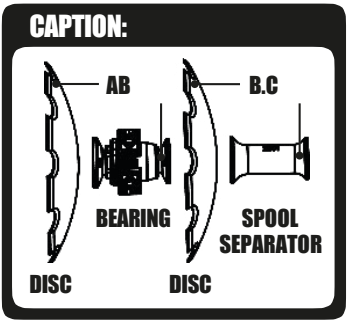
• Assembling disc sections - Part I

Check the assemblies of disc sections of the **CRI** 12, 14 and 16 discs below.





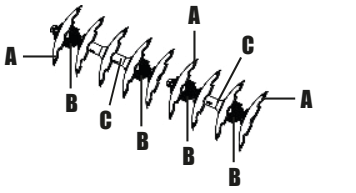


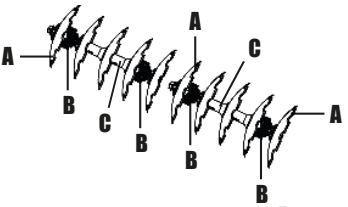


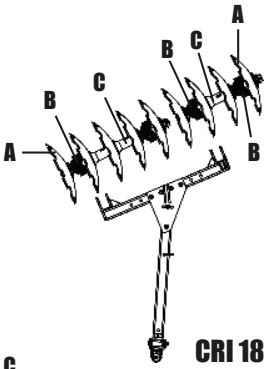
Assembly

• Assembling disc sections - Part II

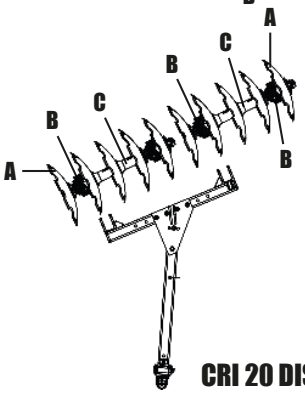
Check the assemblies of disc sections of the **CRI** 18, 20 and 22 discs below.



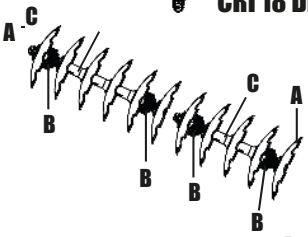


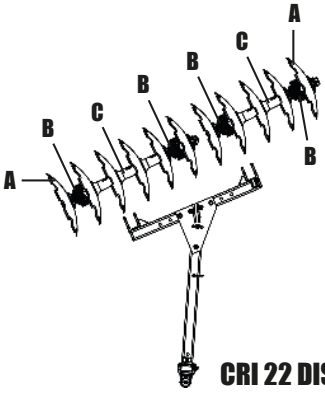


CRI 18 DISCS

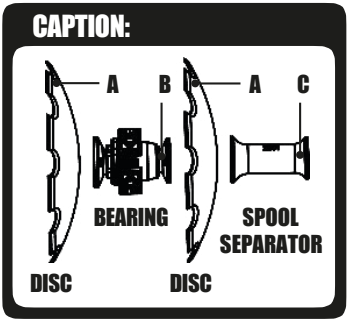


CRI 20 DISCS





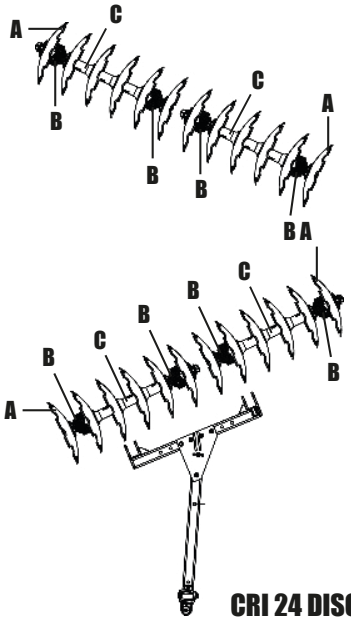
CRI 22 DISCS



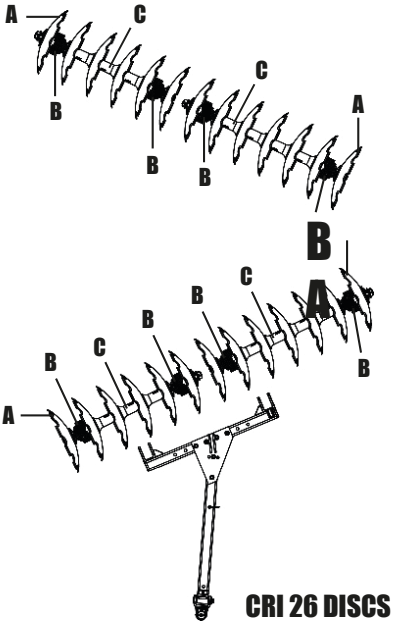
Assembly

• Assembling disc sections - Part III

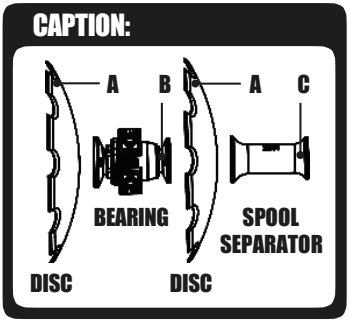
Check the assemblies of disc sections of the **CRI** 24 and 26 discs below.



CRI 24 DISCS



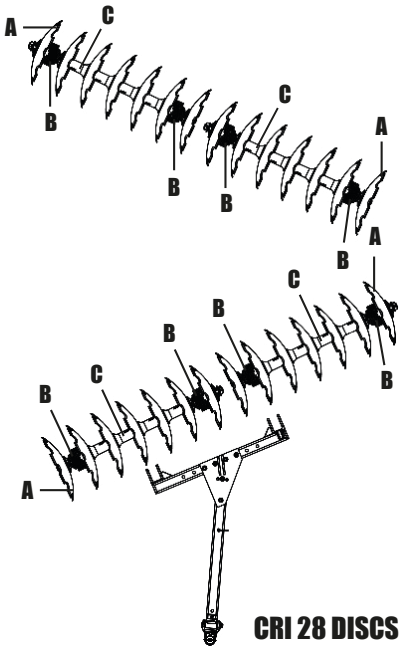
CRI 26 DISCS



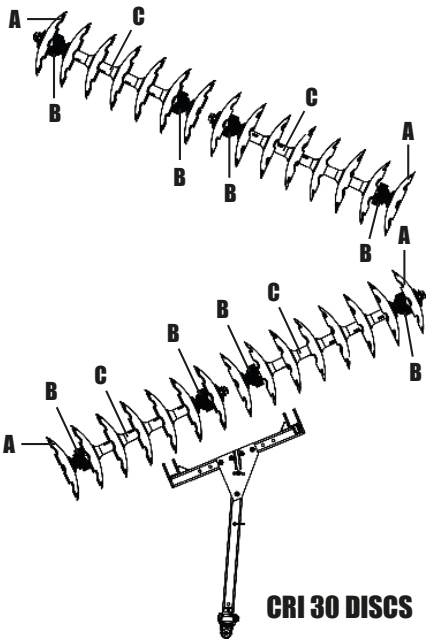
▪ Assembly

• Assembling disc sections - Part IV

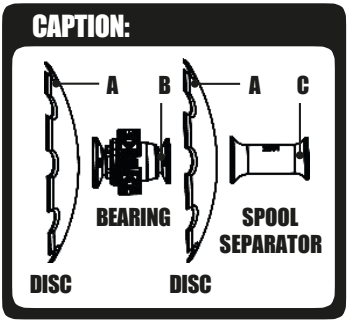
Check below the assemblies of disc sections of the **CRI** 28 and 30 discs.



CRI 28 DISCS



CRI 30 DISCS



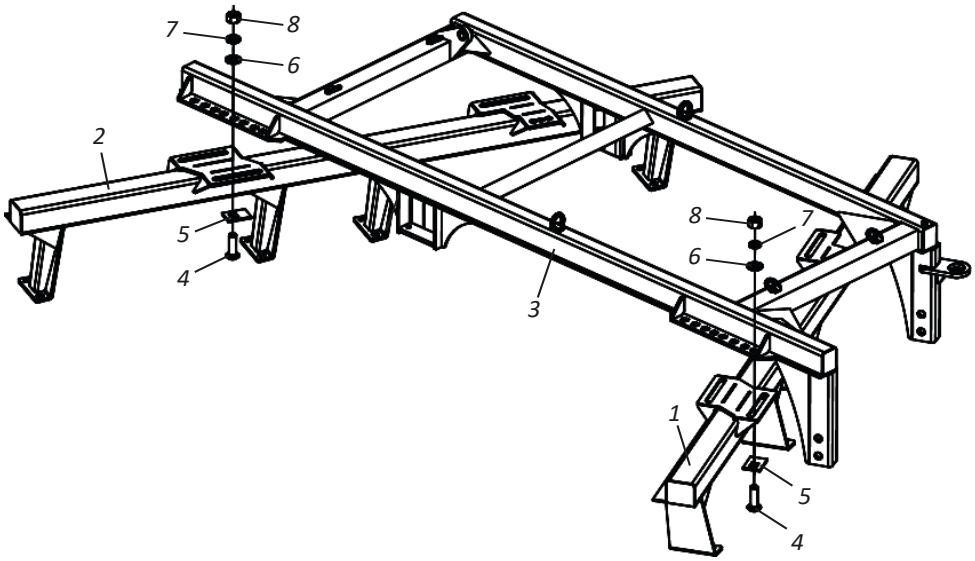
▪ Assembly

• Assembling the frames into the upright

To attach the front and rear frames to the upright, proceed as follows:

01 - Place the front (1) and rear (2) frames in a clean and flat place.

02 - Then install the upright (3) on the front (1) and rear (2) frames by fastening them through the bolts (4), locking lugs (5), plain washers (6), locking washers (7) and nuts (8).



⚠ ATTENTION | **To lift the upright (3), follow the instructions on page 55. Ignoring this warning may cause severe accidents or death.**

▪ Assembly

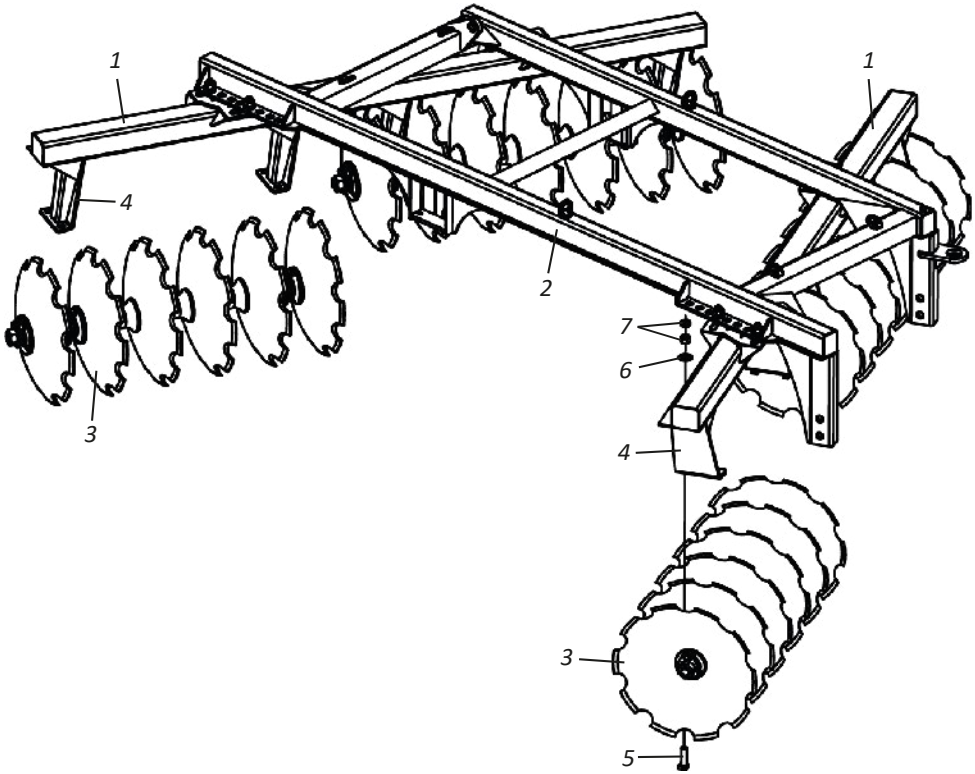
• Assembling disc sections on frames

After securing the front and rear frames to the upright, make the securing of disc sections to do this, proceed as follows:

01 - Lift the front or rear of the harrow and place the disc section (3) in line and match the drilling of the slabs (4) with the bearings and secure them with screws (5), plain washers (6) and nuts and locknuts (7).

02 - Then, lift the other part of the harrow and repeat the operation by checking the concavity of the discs from one section to the other that should be opposite.

03 - When finishing the assembly, check that the slabs (4) are facing the concavity of the discs.



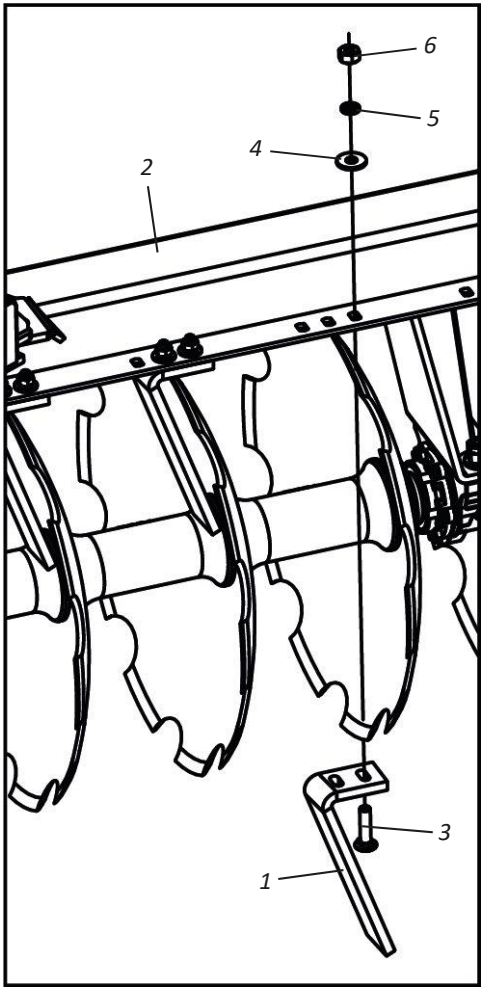
ATTENTION | **When assembling the disc sections on the frames, note that the frame slabs should face the discs' concavity.**

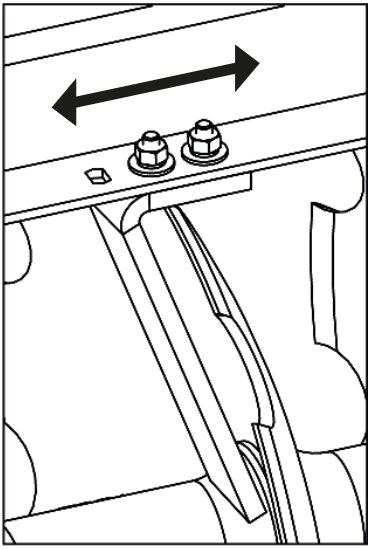
▪ Assembly

• Assembling the wipers

After assembling the disc sections on the frames, secure the wipers, proceeding as follows:

01 - Fit the wiper blades (1) into the frames (2), using washers (3), plain washers (4), lock washers (5) and nuts (6).





ATTENTION

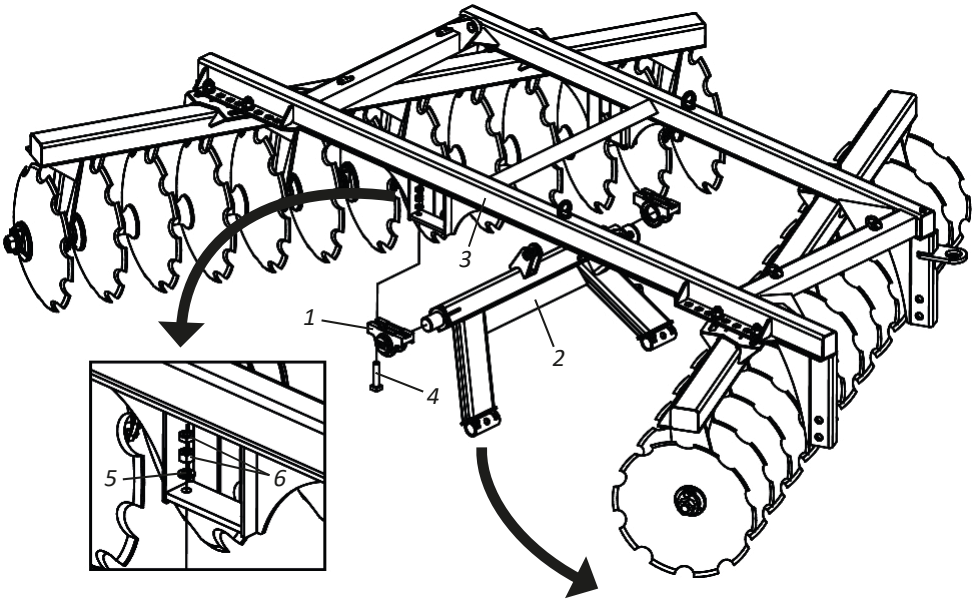
Wipers (1) can be adjusted to approach or distance them from the discs. When assembling the cleaners (1), they should be 0.5 to 1.0 cm away from the discs.

▪ Assembly

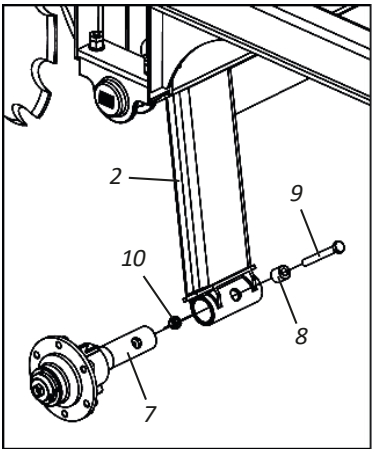
• Assembling the wheel shaft support

After assembling the wipers, secure the wheel shaft support, proceeding as follows:

01 - Attach the hubs (1) to the wheel hub (2), then secure the hubs (1) to the upright (3) through bolts (4), locking washers (5), nuts and locknuts (6).



02 - Then, attach the wheel shaft (7) to the articulation shaft of the wheel (2) with bushing (8), bolt (9) and nut (10).

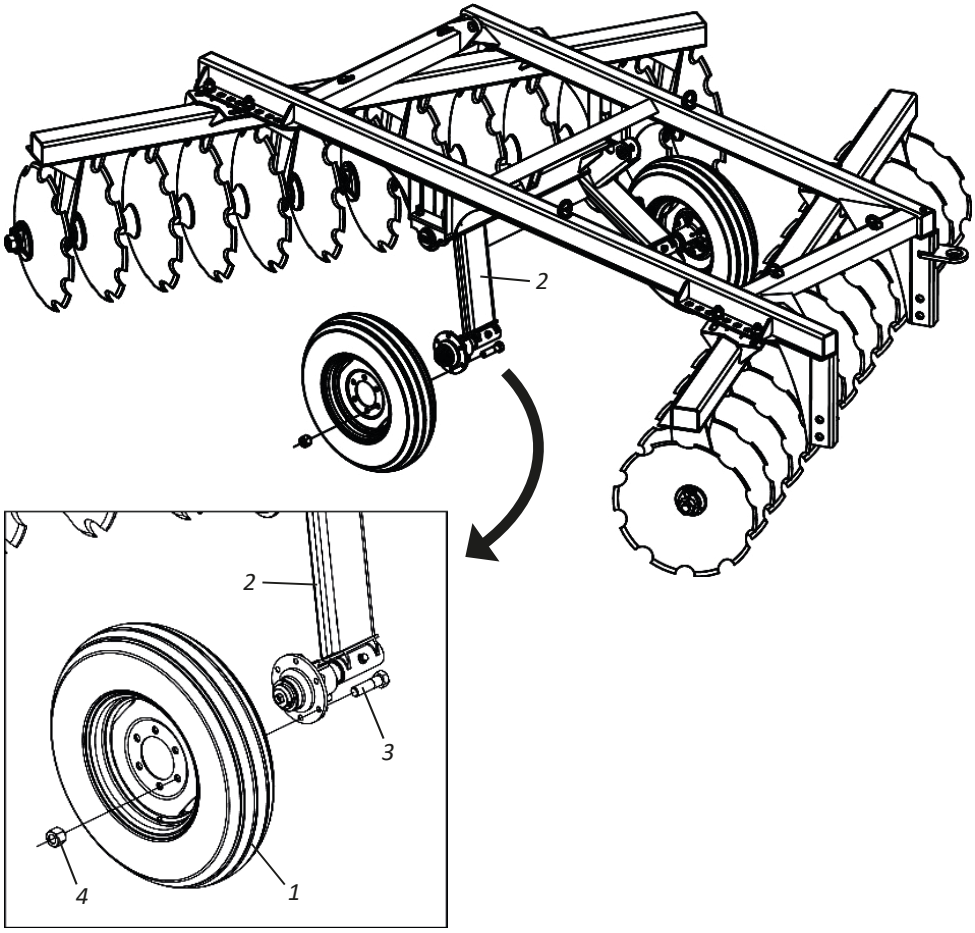


▪ Assembly

• Tire Assembly

After assembling the wheel shaft support, secure the tires, proceeding as follows:

01 - Attach the tires (1) to the wheel shaft (2) through the bolts (3) and nuts (4).



⚠ ATTENTION

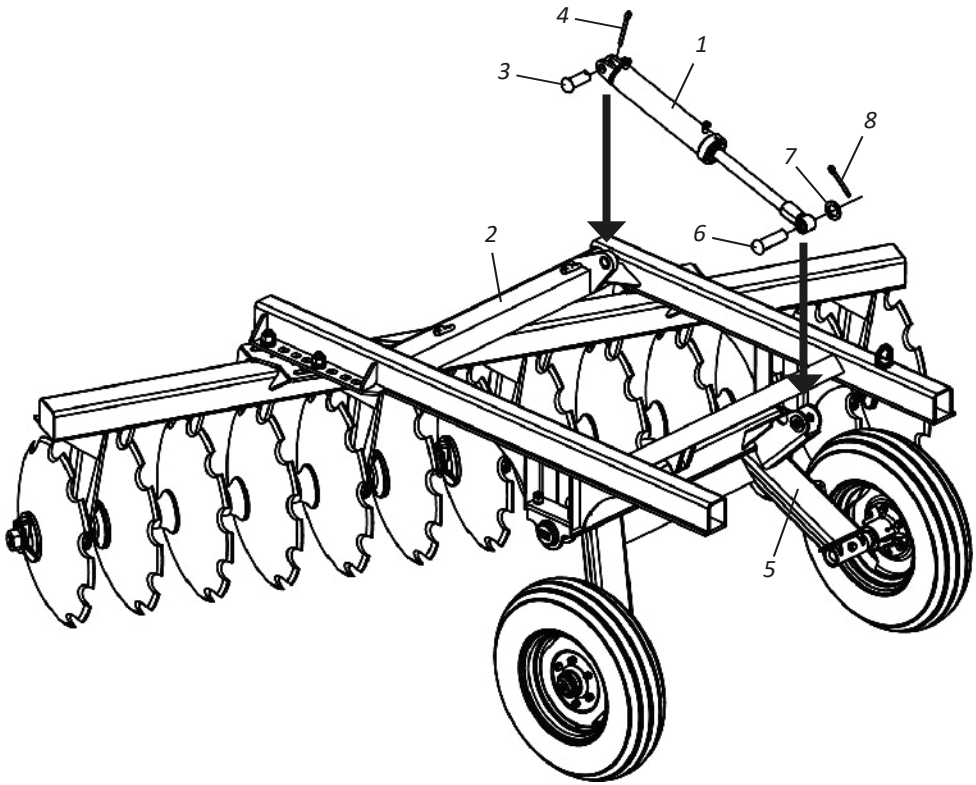
Check the correct calibration of tires on page 47.

• Assembling hydraulic cylinder

After fitting the tires, fix the hydraulic cylinder for this, proceed as follows:

01 - Attach the base of the hydraulic cylinder (1) to the upright (2) through the pin (3) and cotter pin (4).

02 - Then, attach the hydraulic cylinder rod (1) to the wheel shaft holder (5) through the pin (6), flat washer (7) and cotter pin (8).



⚠ ATTENTION | **When assembling the hydraulic cylinder, it must be positioned upwards.**

▪ Assembly

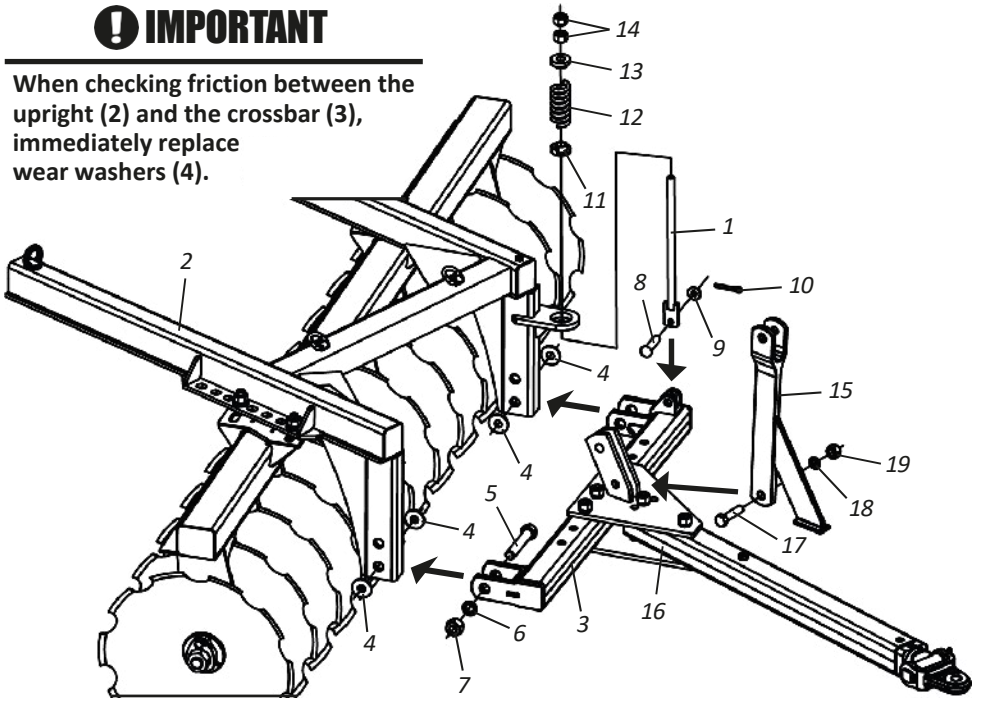
• Assembling coupling head

After assembling the hydraulic cylinder, secure the coupling head, proceeding as follows:

01 - Insert the rod (1) into the upright (2).
02 - Then attach the coupling crossbar (3) to the upright (2) and between both, fit wear washers (4), securing the set with bolts (5), pressure washers (6) and nuts (7).
03 - Then secure the rod (1) to the crossbar (3) through pin (8) flat washer (9), cotter pin (10) and fit stop bushing (11), spring (12), stop bushing (13), nut and lock nut (14).
04 - Finish by attaching the stabilizer bar bracket (15) to the coupling head (16) through bolt (17), washer (18) and nut (19).

IMPORTANT

When checking friction between the upright (2) and the crossbar (3), immediately replace wear washers (4).



ATTENTION

Always install washers (3) between two washers (2) when assembling the crossbar (4) onto the upright (2), as these washers prevent friction between the upright (2) and the crossbar (3).

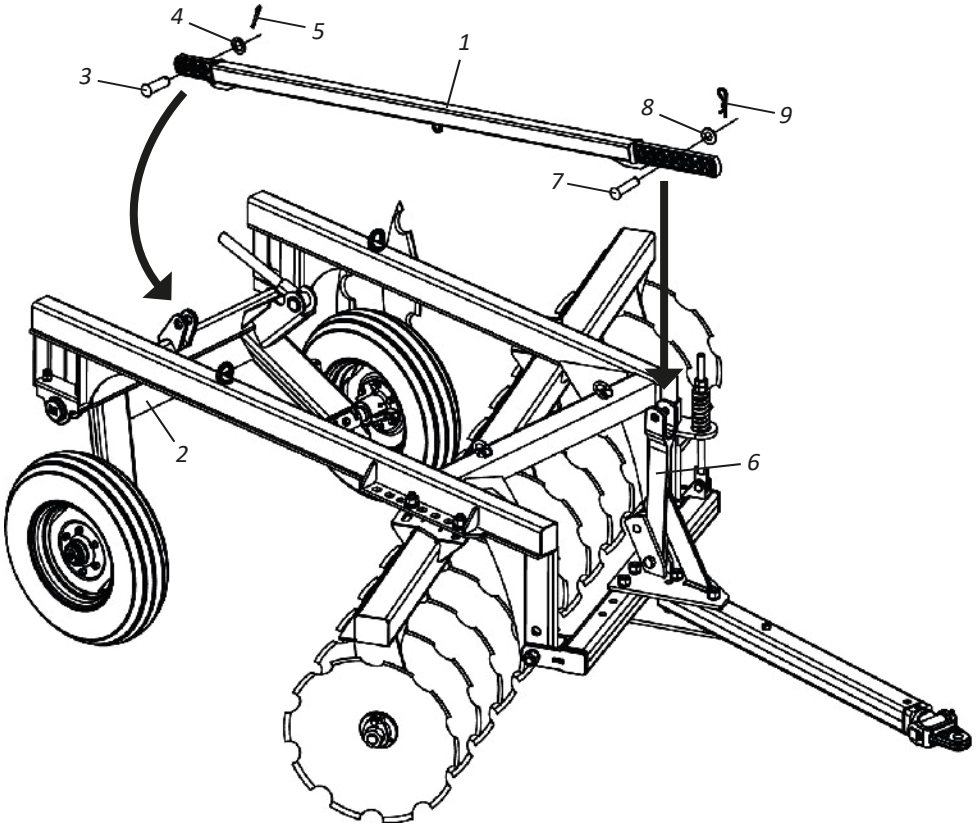
Assembly

• Assembling stabilizer bar

After assembling the coupling header, attach the stabilizer bar, proceeding as follows:

01 - Attach the base of the stabilizer bar (1) to the articulation shaft of the wheel (2) through the pin (3), flat washer (4) and cotter pin (5).

02 - Then, attach the front stabilizer bar (1) to the stabilizer bar bracket (6) through the pin (7), flat washer (8) and lock (9).

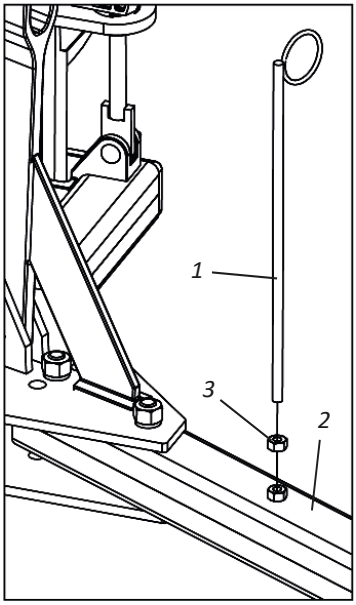


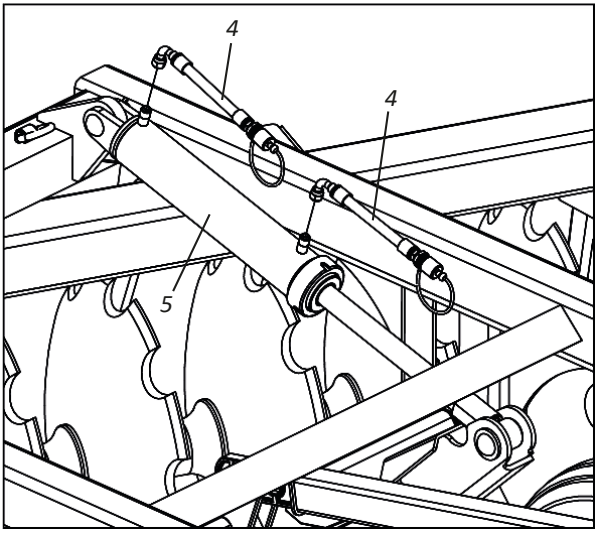
▪ Assembly

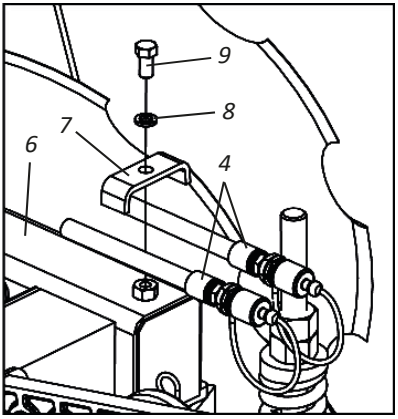
• Assembling hydraulic hoses

After assembling the stabilizer bar, attach the hydraulic hoses to this, proceed as follows:

01 - Attach the hose support (1) to the coupling head (2) through the lock nuts (3).
02 - Then, attach the hydraulic hoses (4) to the hydraulic cylinder (5).
03 - Then secure the hydraulic hoses (4) on the upright (6) through the clamp (7), washer (8) and bolt (9).







⚠ ATTENTION

When assembling the hydraulic hoses, do not let terminals touch the ground.

❗ IMPORTANT

Always use "thread seal" to engage "male" quick couplings onto the hoses.

▪ Hitch

• Harrow coupling in the traction bar of the tractor

To couple the **CRI**, proceed as follows:

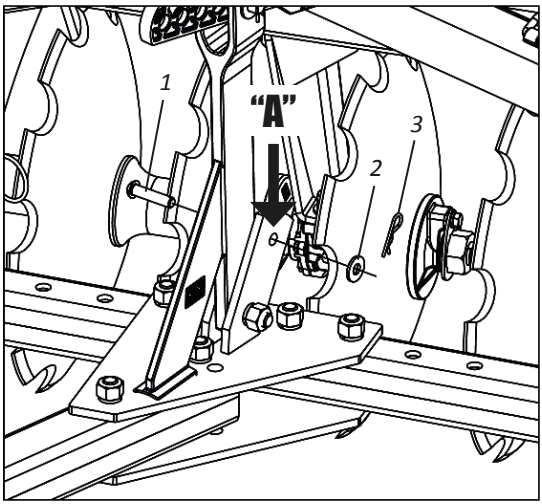
01 - Slowly approach the tractor in the reverse gear, paying attention to the application of the brakes. Then, turn off the tractor engine, relieve the pressure of the control by pushing the lever a few times and check that the couplings are clean if you are not cleaning them.

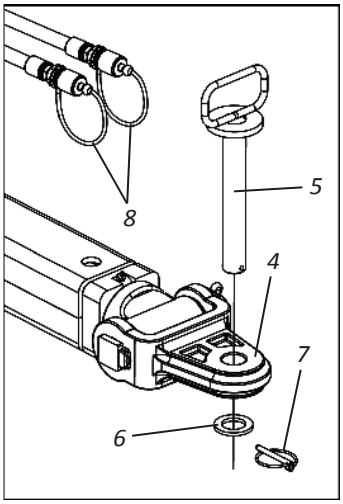
02 - Then start the engine by lowering the **CRI** tires until the pin (1), flat washer (2) and lock (3) are in the **"A"** hole.

03 - Then start the engine by lifting the **CRI** tire until the shackle (4) is at the height of the tractor bar.

04 - Then engage the **CRI** to the tractor by attaching the locking pin (5), plain washer (6) and ring lock (7).

05 - Finish by attaching the hydraulic hoses (8) to the tractor quick coupling.





⚠ ATTENTION

After engaging the CRI to the tractor, REMOVE pin (1) from hole "A". Do not transport or work the harrow without first removing the pin (1) from the header. Ignoring this warning may damage the CRI. For easy removal of the pin (1), operate the tire lowering control.

❗ IMPORTANT

Never disengage the hydraulic hoses without first lowering the CRI and relieving the control pressure.

🔍 OBSERVATION

When engaging the CRI, look for a safe and easily accessible place. Always use low gear with low acceleration.

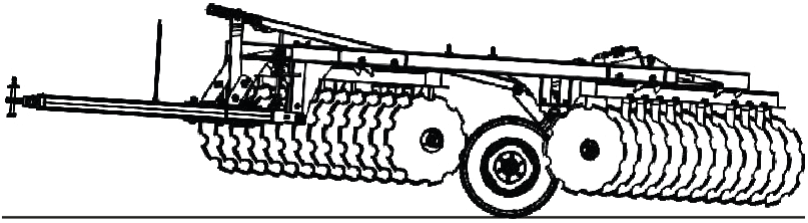
▪ Levelling

• Levelling of the harrow - PART I

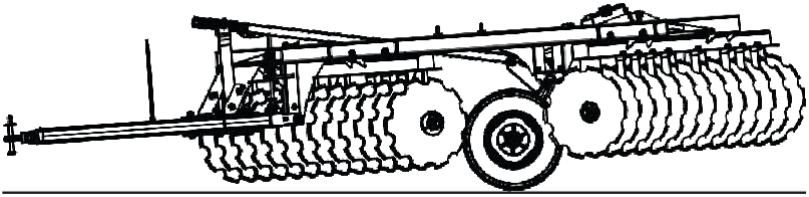
To level the **CRI**, proceed as follows:

01 **-** Place the tractor and **CRI** in a flat location.

02 **-** Then raise the lift to the railing and see if the **CRI** is positioned in the front or rear position.



CRI POSITIONED IN THE REAR



CRI POSITIONED ON THE FRONT

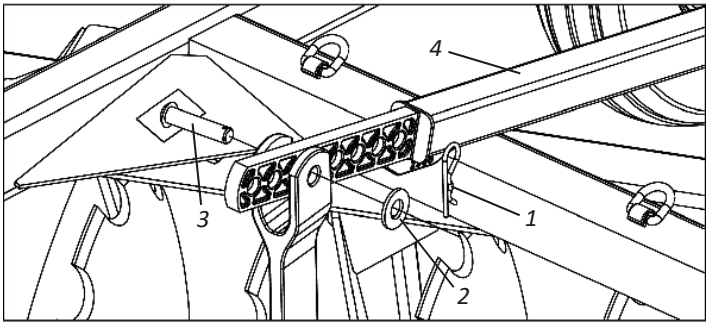
If the **CRI** is positioned in the front or rear, proceed as follows:

01 **-** Lower the **CRI** until it is completely on the ground.

02 **-** Then, loosen the lock (1), flat washer (2) and remove the pin (3).

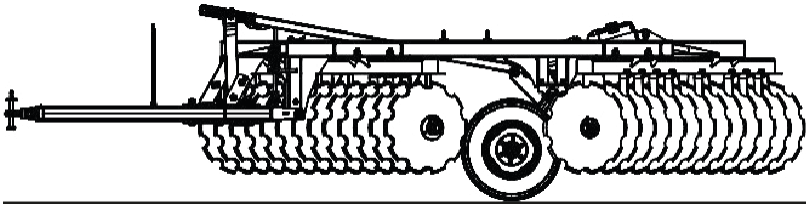
03 **-** Then adjust another point on the stabilizer bar (4) and secure it again.

04 **-** Lift the CRI and check that the harrow is level as shown on the following page.



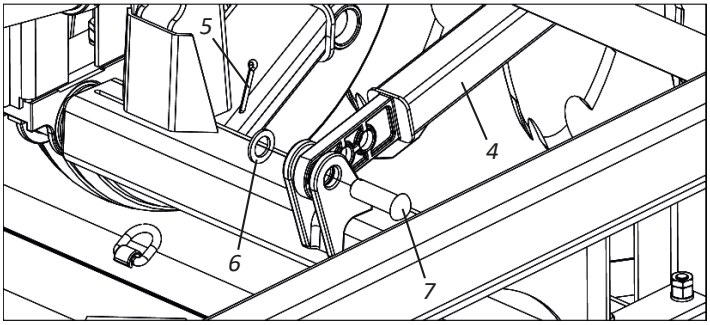
▪ Levelling

• Levelling of the harrow - Part II



CRI LEVEL POSITION

05 - If the **CRI** is not level, repeat the previous procedures by setting another point on the stabilizer bar (4).



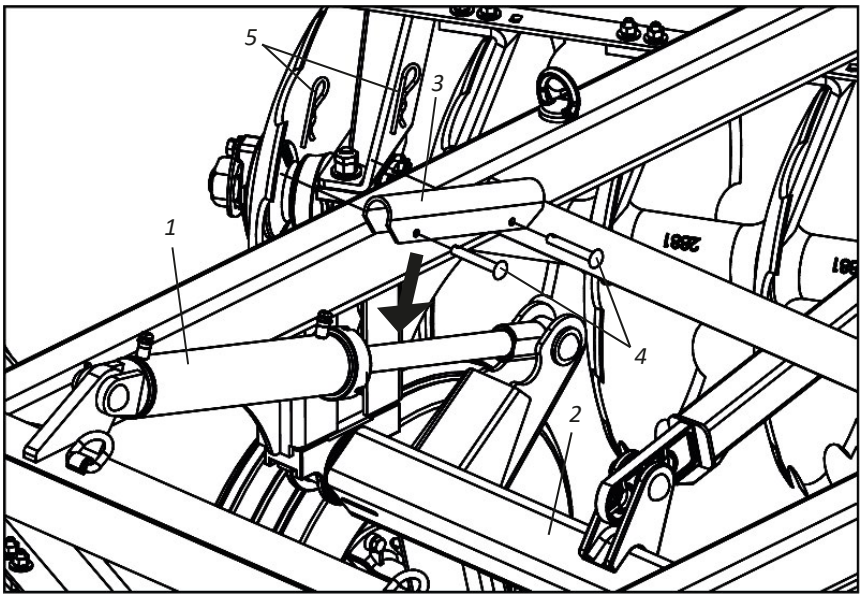
ATTENTION **If necessary, loosen the cotter pin (5), flat washer (6) and pin (7), adjust another point on the base of the stabilizer bar (4) and secure it again.**

▪ Adjustments

• Regulation for transport

Before transporting **CRI**, proceed as follows:

01 **-** Fully actuate the stroke of the hydraulic cylinder (1) of the wheel (2).
02 **-** Then install the lock (3) by attaching it to the pins (4) and locks (5).



⚠ ATTENTION | **Do not carry the CRI without fitting the lock (3) on the hydraulic cylinder (1) of the wheel (2). Ignoring this warning may cause damage to the hydraulic cylinder (1).**

❗ IMPORTANT | **After transporting the CRI, remove the lock (3) from the hydraulic cylinder (1), releasing the locks (5) and the pins (4).**

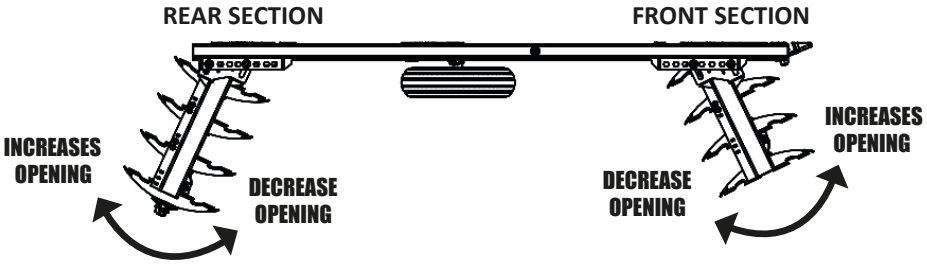
- **Adjustments**

  - **Harrow opening adjustment**

To obtain an ideal penetration of discs, the opening of the harrow must be adjusted, which varies according to the type of soil:

- GROUNDS OF GREATER PENETRATION DIFFICULTY: The harrow opening should be increased.

- LIGHT AND LOOSE GROUNDS: The harrow opening should be reduced.



INCREASES OPENING: Higher Depth. **DECREASES OPENING :** Lower Depth.

To increase or decrease the harrow opening, proceed as follows:

01 - Unscrew the nuts (1), locking washers (2), plain washers (3), remove locks (4) and bolts (5).

02 - Then adjust the frames (6) by decreasing or increasing their opening.

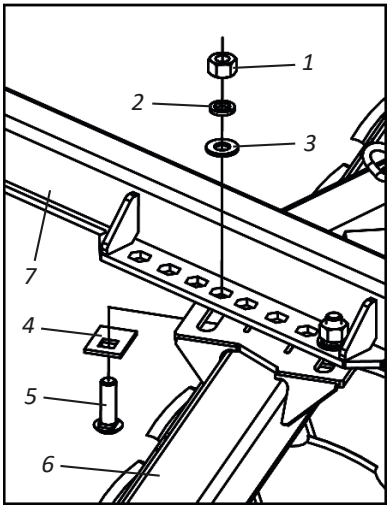
03 - Then, fasten the frame (6) to the upright (7) by means of the bolts (5), locks (4) plain washers (3), spring washers (2) and nuts (1).

IMPORTANT

To start the job, we recommend using a medium opening in the disc sections. If you need more penetration, increase the opening angle of the rear section.
The front section generally does not operate with an opening larger than the rear section.
Wheels also assist in depth control of the discs.

OBSERVATION

We advise you to control the depth of CRI's work by opening the disc sections and using the tires only in places where CRI penetrates too much.

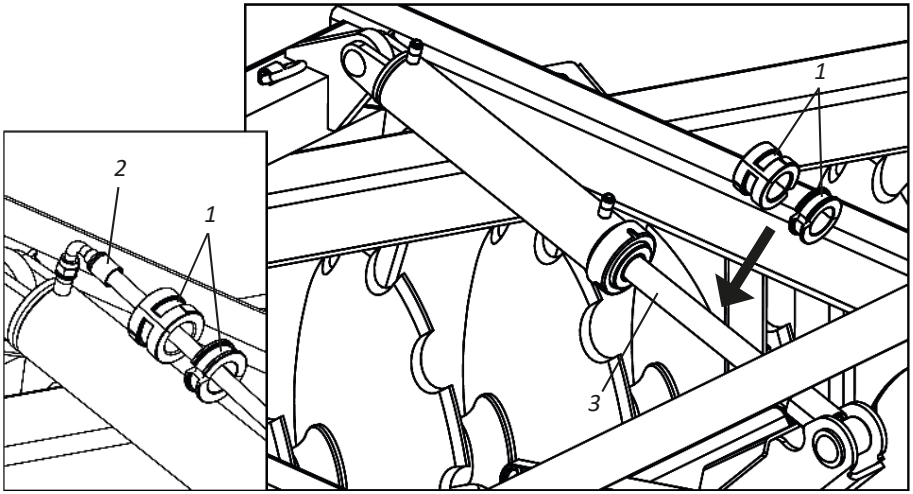


▪ Adjustments

• Working depth adjustment

In order to adjust the working depth through tires, limiting rings (1) are placed on the shafts of the hydraulic cylinders (2), providing many adjustments of working depth. To adjust the working depth, proceed as follows:

01 - Remove limiting rings (1) from hydraulic hoses (2).
02 - Then, tighten the rods of the hydraulic cylinders (3) of the wheel until necessary.
03 - Then fit the limiting rings (1) on the rods of the hydraulic cylinders (3) to fill the entire space between the rod coupling and the hydraulic cylinder plunger (3).
04 - After finishing work with the **CRI**, remove limiting rings (1), hydraulic cylinders (3) from the wheel support and place it in the hydraulic hoses (2).



IMPORTANT

After adjustment, the CRI will always operate at the same depth, both in hard and loose terrain, because the limiting rings (1) are limiting the stroke of the hydraulic cylinder (3) of the wheel, that is, preventing the wheels from oscillating.

OBSERVATION

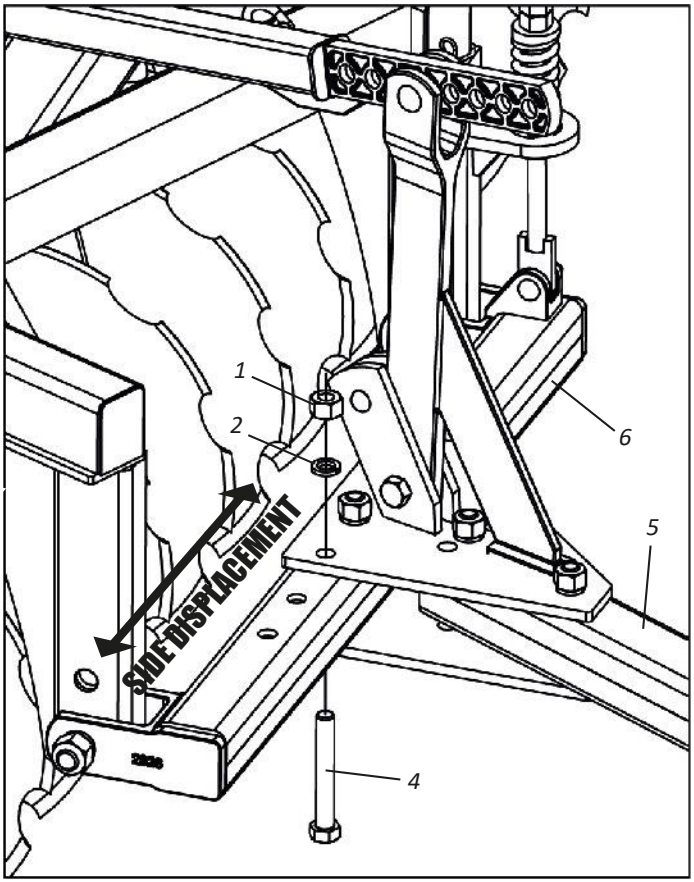
Limiting rings (1) accompanying the CRI have different sizes which combined offer various depth settings.

▪ Adjustments

• Harrow displacement adjustment - Part I

The displacement of the **CRI** must be done when the harrow is not giving a perfect finish, that is, leaving traces of the tractor. For the harrow to work centrally with the tractor's drawing line, proceed as follows:

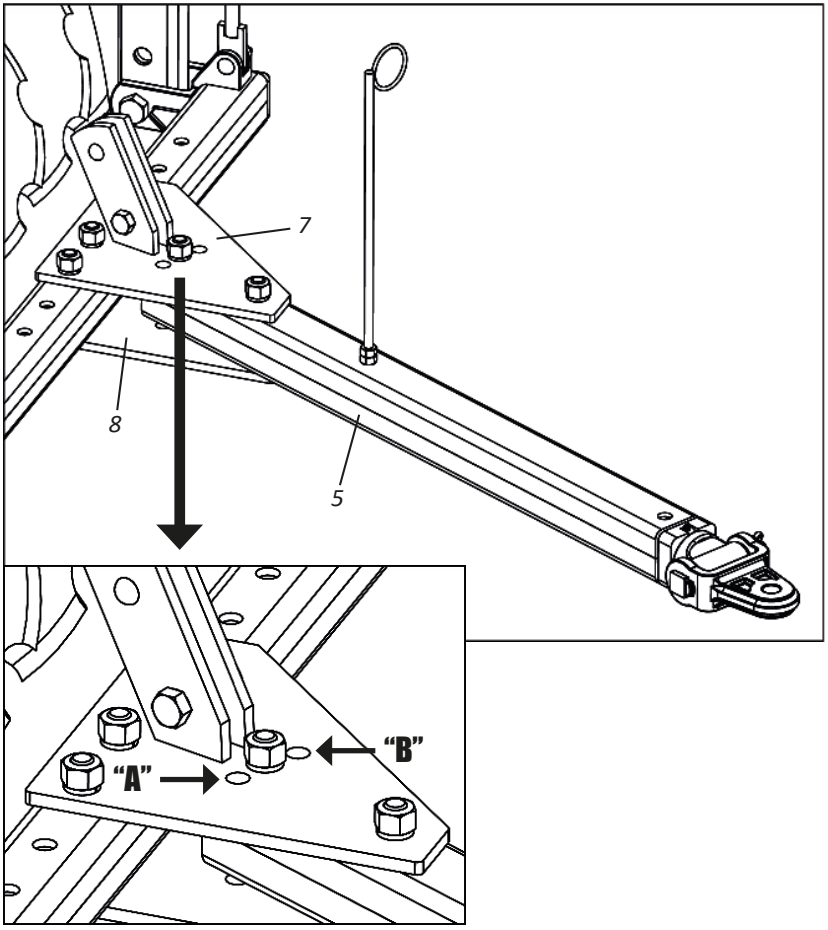
01 - Remove cotter pins (1), loosen castle nuts (2), plain washers (3) and remove the bolt (4).
02 - Then move the coupling head (5) on the crossbar (6), making an adequate adjustment.
03 - Finish by tightening bolts (4), plain washers (3), castle nuts (2) and cotter pins (1).



▪ Adjustments

• Harrow displacement adjustment - Part II

Under normal working conditions and during transport, the coupling head (5) must remain in the center hole of the upper (7) and lower (8) plates. By changing the coupling head (5) to the other holes "A" and "B", small lateral displacements of the **CRI** are obtained.



IMPORTANT

The CRI head and the tractor drawbar must be as close to the working direction as possible.
The tractor drawbar must remain loose during work and fixed during transport.

▪ Operations

• Operating recommendations - Part I

The preparation of the **CRI** and the tractor will allow you to save time in addition to obtain better result in the field work. The following suggestions may be useful for you.

HARROW STRUCTURE

After the first day of working with the **CRI**, tighten all bolts, nuts and check the condition of the bolts and latches of the harrow structure. Then perform a general retightening on all screws and nuts in the harrow structure every 24 hours of work.

DISCS SECTIONS

Pay particular attention to the disc sections of the **CRI**. During the first week of use of the **CRI**, retighten all bolts and nuts on the disc sections daily, then retighten them periodically.

GENERAL RECOMMENDATION

01 - Adjust the tractor according to the content of the instruction manual, always using front and rear weights to stabilize the equipment.

02 - Always couple to the tractor in low gear and very carefully.

03 - When using the **CRI**, it is important to check the hitch and transverse leveling system to make sure that the discs will have the same penetration depth into the ground.

04 - After the hitching and leveling, the next adjustments will be made directly in the field of work, analyzing the terrain in its texture, humidity and the types of operations to be done with the **CRI**.

05 - On the tractor, choose a gear that allows to maintain a certain power reserve, guaranteeing against unforeseen efforts.

06 - Observe the working and transport speeds specified on page 10. We do not advise you to exceed the speeds to maintain service efficiency and avoid possible damage to the **CRI**.

07 - When executing maneuvers in the headwheels, first actuate the hydraulic cylinders gradually, lifting the disc sections.

08 - Do not uncouple any hose without first relieving the circuit pressure by turning the control levers a couple of times with the engine off.

▪ Operations

• Recommendations for operation - Part II

09 - Remove pieces of wood or any other object that may be attached to the discs.

10 - In compacted areas where the penetration of the discs is difficult, depth can be minimal, making work unsatisfactory. In these cases, applying other more suitable products is recommended.

11 - During work or transport, the tractor's drawbar must remain fixed.

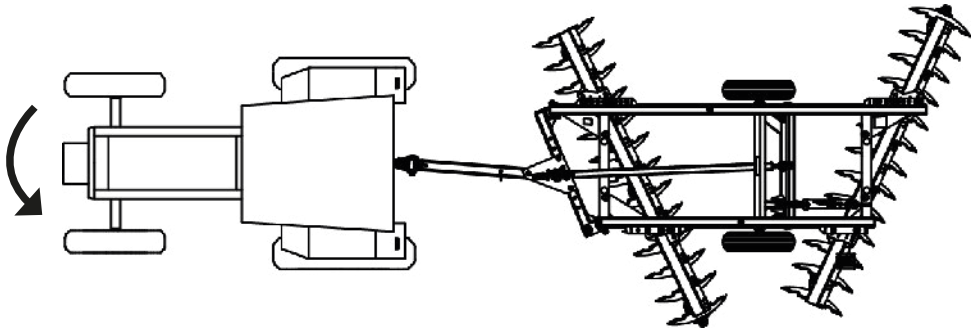
12 - When performing any maintenance on the **CRI**, lower it to the ground and switch off the engine.

13 - The **CRI** has several settings, but only local conditions can determine the best setting.

If in doubt, never operate or handle the CRI, see Post Sale.
Telephone: 0800-152577 / E-mail: posvenda@baldan.com.br

• Direction of maneuvers

During harrowing (with the discs on the ground), DO NOT maneuver to the right, as the angles formed by the disc sections will transmit great effort to the equipment, especially the traction components.



ATTENTION | **With the disc sections in the ground, it is necessary to make maneuvers to the left (closed side of the CRI) avoiding overloads.**

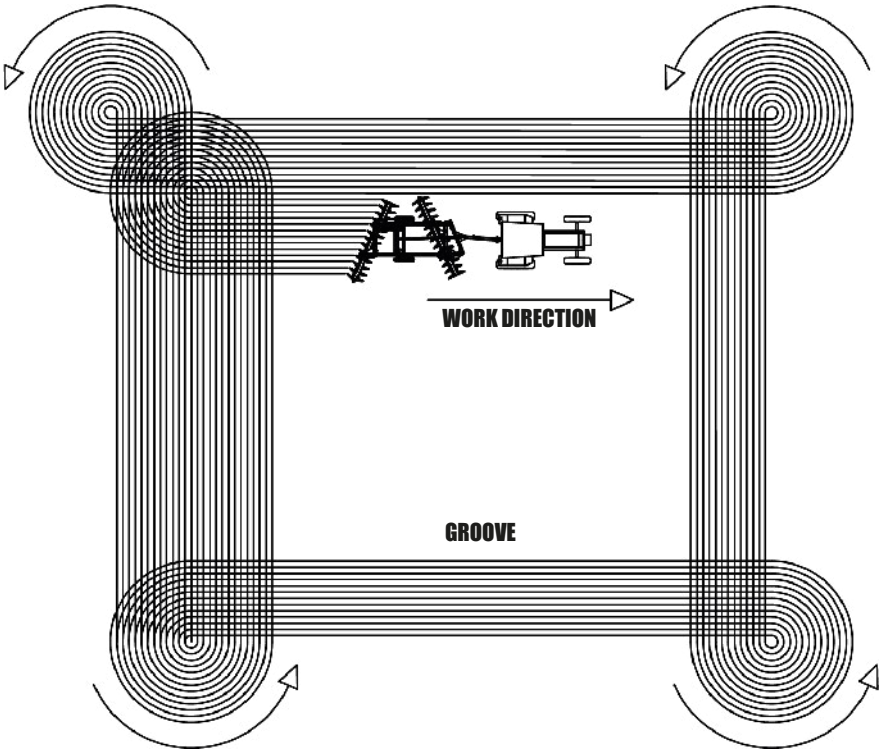
▪ Operations

• How to start harrowing

To start harrowing, always follow terraces or contour line, so that the terrace is always on the left side of the tractor.

OBSERVATION **Before starting operations with the CRI, thoroughly inspect it by tightening all bolts, nuts, hose terminals, shafts, and especially the disc sections.**

• Harrow from the outside in

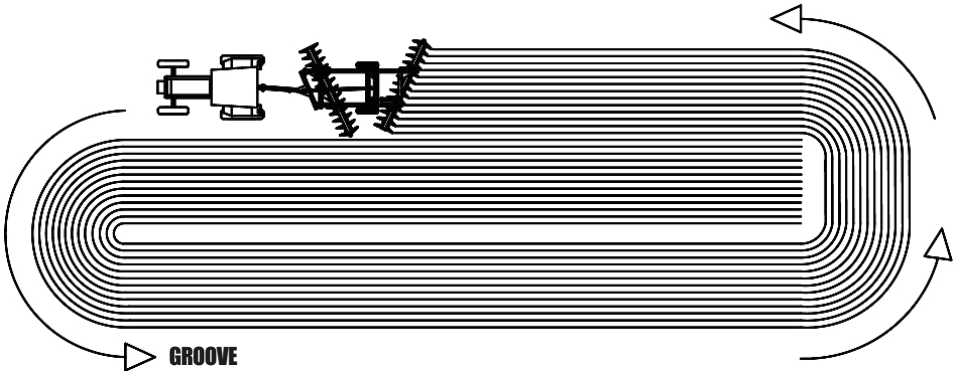


IMPORTANT **Try to drive the tractor for good performance between CRI passes. Avoid forming non-harrowed tracks.**

▪ Operations

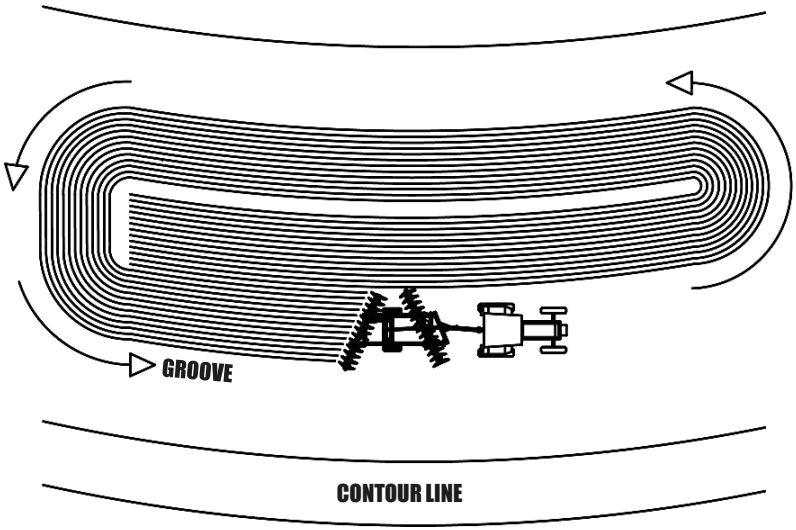
• Harrow from the inside out

In this direction, greater perfection is obtained. When walking on headers too much, you may want to start another block.



• Blocks with contour lines

For terrains with contour line, it is usual to start with two blocks at a time, starting the work with the contour line on the left side of the tractor. When you reach the middle of the contour line, you may want to start another block to reduce fuel consumption.



▪ Calculation

• Approximate hourly production - Part I

To calculate the approximate hourly output of the **CRI**, use the following formula:

$$A = \frac{L \times V \times F}{X}$$

WHERE:

A = Area to be worked
L = Working width of the harrow (in meters)
V = Average speed of the tractor (in meters/hour)
F = Production factor: 0.90
X = Value of the hectare: 10,000 m² (value varies by region)

Example: A **CRI 20 discs**, how much Ha will it produce in one hour of work at an average speed of 7 km/h.

A = ?
L = 2.55 m
V = 7.000 m/h
F = 0.90
X = 10,000 m² (Calculated in hectare)

$$A = \frac{2.55 \times 7{,}000 \times 0.90}{10{,}000} = 1.60 \text{ Ha/h}$$

Model	No. of Discs	Working Width (mm)	Average Speed (m/h)	Production Factor	Approximate Production in Hectare Hour
CRI	12	1500	7,000	0.90	0.94
	14	1750	7,000	0.90	1.10
	16	2000	7,000	0.90	1.26
	18	2300	7,000	0.90	1.44
	20	2550	7,000	0.90	1.60
	22	2835	7,000	0.90	1.78
	24	3100	7,000	0.90	1.95
	26	3350	7,000	0.90	2.11
	28	3650	7,000	0.90	2.29
	30	3925	7,000	0.90	2.46

▪ Calculation

• Hourly production - Part II

The formula for calculating approximate production refers to the calculation of areas to be worked or worked by the **CRI**. If you want to know the time that will be spent to work in an area of known value, simply divide the value of this area by the hourly output of the **CRI**.

Example: What time "X" will be spent for a **CRI 20 discs** harrow producing 35 hectares, at an average speed of 7km/h?

$$X = \frac{35\ Ha}{1{,}60\ Ha/h} = 21.87$$ hours approximately to work 35 hectares.

⚠ ATTENTION | **The hourly production of the CRI can vary by factors that alter work rhythm as soil moisture and hardness, slope, inadequate adjustments and work speed.**

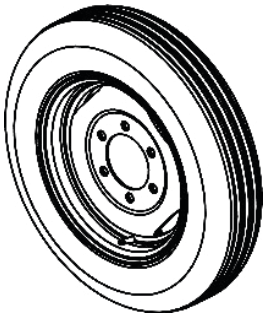
▪ Maintenance

The **CRI** has been developed to provide maximum performance over land conditions. Experience has shown that periodic maintenance of certain parts of the **CRI** is the best way to help you avoid problems, so we suggest checks.

• Tires pressure

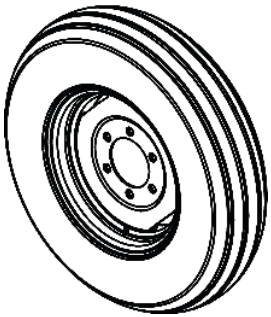
The tires should always be properly calibrated avoiding early wear due to excess or lack of pressure.

CRI 12 AND 14 DISCS STANDARD



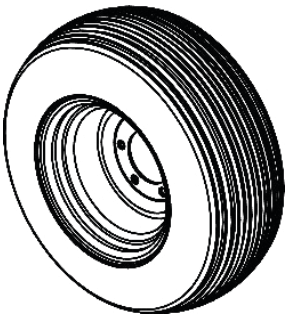
TIRES 600 X 16 6 CANVAS USE 44 LBS/POL²

CRI 16 TO 30 DISCS STANDARD



TIRES 750 X 16 10 CANVAS USE 60 LBS/POL²

CRI 16 TO 30 DISCS OPTIONAL



TIRES 11 X 15 10 CANVAS USE 44 LBS/POL²

⚠ ATTENTION

Never weld the wheel mounted with tire, the heat may cause air pressure increase and provoke the explosion of the tire.
When filling the tire, position yourself besides the tire, never in front of it.
To fill the tire, always use containment device (armor cage).
Assemble the tires with proper equipment. The service should only be performed by people qualified for the work.

! IMPORTANT

When calibrating tires, do not exceed the recommended calibration.

NOTE

The pressure of the tractor tires should be performed according to the manufacturer´s recommendation.

▪ Maintenance

The CRI has been developed to provide maximum performance over land conditions. Experience has shown that periodic maintenance of certain parts of the CRI is the best way to help you avoid problems, so we suggest verification.

⚠ ATTENTION **Check nuts and bolts constantly, if necessary, retighten them. General harrow retention maintenance should be done every 8 hours of work.**

• Lubrication

Lubrication is indispensable for the good performance and durability of CRI's moving parts, contributing to the maintenance cost savings.

Before starting the operation, carefully lubricate all grease cups, always observing the lubrication intervals in the following pages. Make sure of the lubricant quality regarding its efficiency and purity, avoiding products contaminated by water, dust and other agents.

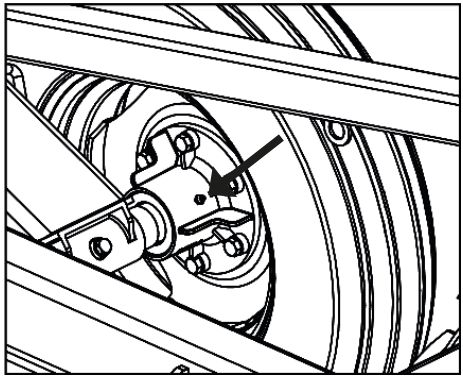
• Table of greases and equivalents

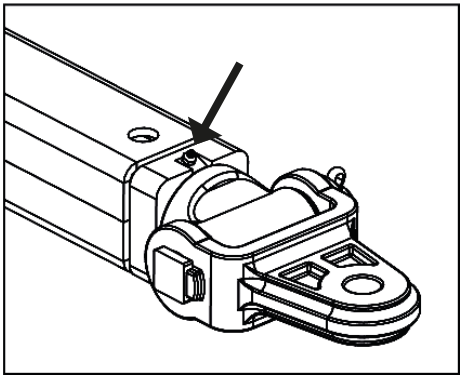
Manufacturer	Types of grease recommended
Petrobrás	Lubrax GMA-2
Atlantic	Litholine MP 2
Ipiranga	Ipiflex 2
Castrol	LM 2
Mobil	Grease MP
Texaco	Marfak 2
Shell	Alvania EP 2
Esso	Multi H
Bardahl	Maxlub APG-2EP
Valvoline	Palladium MP-2
Petronas	Tutela Jota MP 2 EP
	Tutela Alfa 2K
	Tutela KP 2K

⚠ ATTENTION **If there are equivalent manufacturers and/or brands that are not listed in the table, consult the manufacturer's technical manual.**

▪ Maintenance

• Lubrication every 24 hours of work



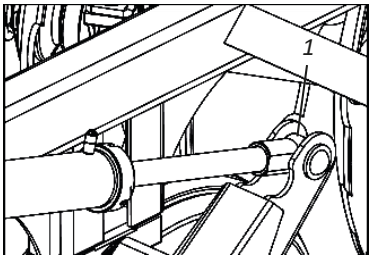


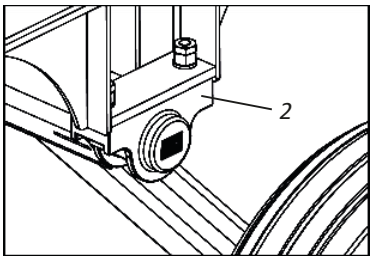
CRI FROM 16 TO 30 DISCS.

⚠ ATTENTION | **When lubricating the CRI, do not exceed the amount of new grease. Introduce an adequate amount.**

• Self-lubricating bushings

The **CRI** has self-lubricating bushings on the stem of the hydraulic cylinder (1) and the hub of the wheel shaft (2). These bushings are not used with any kind of grease or lubricant.





⚠ ATTENTION

Only in the initial assembly of the hydraulic cylinder rod (1) and the hub of the wheel shaft (2), grease must be inserted throughout the bushing to avoid oxidation on the rod fixing pin and the wheel shaft.

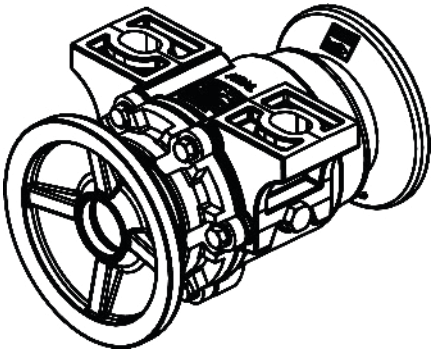
❗ IMPORTANT

When replacing the self-lubricating bushings of the hydraulic cylinder rod (1) and the wheel fixing hub (2), also insert grease into the entire bushing.

▪ Maintenance

• Oil bearing

On the first days of **CRI** work, check the oil level of the bearings daily, then check every 120 hours of work.



OBSERVATION

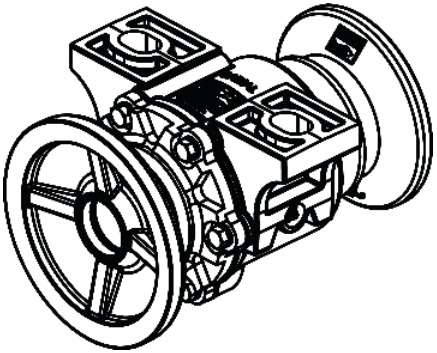
The ideal oil level is when it reaches the plug hole.
To check bearing oil level, search for a flat surface.

ATTENTION

Change the oil every 1200 hours of work using 0.270 liters.
Use transmission oil: 90 API GL4, MIL-L-2105; SAEJ306, May/81: SAE 80W, 90 and 140.

• Grease bearing

Grease bearings must be lubricated every 12 working hours, using the grease specified below.



OBSERVATION

Before lubricating bearings, wipe grease with a clean, lint-free cloth. Replace damaged grease fittings.

ATTENTION

The amount of grease in each bearing is 300 grams.
Only use the following grease: EP (Specification DIN51825 KP00K Consistency NLGI 2/3).

▪ Maintenance

• Operational maintenance

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
Tires are damaged.	Work area with rocks, stubs or crop remains with stems that shred the tire.	Eliminate elements that damage tires before using the CRI.
	Improper tire pressure, creating deformations.	Maintain proper tires pressure.
Weird noise on wheels.	Loosen wheels or gap in wheel hub.	Retighten the wheel nuts and adjust wheel hub bearings.
	Breaking of bearings.	Identify the occurrence and replace damaged parts.
Quick coupling is not fitting.	Couplings of different types.	Change them for males and females of the same type.
Leakage in hydraulic hose.	Lack of sealing material on the thread.	Use sealing tape and retighten carefully.
	Insufficient tightening.	Retighten carefully.
	Damaged repairs.	Replace hubs.
Leakage in quick couplings.	Insufficient tightening.	Retighten carefully without excess.
	Damaged repairs.	Replace hubs.
Quick coupling is not coupling.	Couplings of different brands.	Use a quick coupling of the same brand.
	Mixing of needle-type coupling with sphere-type coupling.	Always use quick coupling of the same type.
	Pressure on the system.	Relief the pressure to couple.

▪ Maintenance

• Cares

01 - Before each job, check the condition of all hoses, pins, bolts, bearings, discs and sections. Where necessary, retighten them.

02 - The displacement speed should be carefully controlled according to the land´s conditions.

03 - The **CRI** is used in several applications, requiring knowledge and attention during handling.

04 - Only local conditions can determine the best method of operation of **CRI**.

05 - When assembling or dismantling any part of the **CRI**, employ appropriate methods and tools.

06 - Carefully observe the lubrication intervals in the various lubrication points of the **CRI**. Respect the lubrication intervals.

07 - Always check if the parts have wears. If there is a need for replacement, always demand Baldan original parts.

08 - Keep the **CRI** discs always sharp.

IMPORTANT | **Proper and periodic maintenance are necessary to ensure the long life of CRI.**

▪ Maintenance

• General cleaning - Part I

01 - When storing the **CRI**, make a general cleaning and wash it thoroughly with water only. Make sure the paint has not worn out, if it did, give a general coat, pass the protective oil and fully lubricate the **CRI**. Do not use burned oil or other abrasive.

02 - Fully lubricate the **CRI**. Check all moving parts of the **CRI** for wear and tear, make the necessary adjustment or replacement of the parts, leaving the harrow ready for the next job.

03 - After all maintenance work, store the harrow in a covered and dry place, properly supported.

Avoid: - That the discs come into direct contact with the ground.
-The compression of the springs.
-That the hydraulic hoses be properly capped.

▪ Maintenance

• General cleaning - Part II

04 - When connecting or disconnecting hydraulic hoses, do not let the terminals touch the ground. Before connecting the hydraulic hoses, wipe the connections with a clean, lint-free cloth. **Do not use tow!**

05 - Replace all adhesives, especially those about warnings, that are damaged or missing. Make everyone aware of the importance and risks of accidents when instructions are not followed.

06 - After all maintenance care, store your **CRI** on a flat, covered, dry surface, away from animals and children.

07 - We recommend washing the **CRI** with water only at the start of work.

⚠ ATTENTION | **Do not use chemicals or abrasives to rinse the CRI, this may damage the paint and adhesives.**

• Conservation of the harrow - Part I

To prolong the life and appearance of the **CRI** for longer, follow the instructions below:

01 - Wash and clean all harrow components during and at the end of the work season.

02 - Use neutral products to clean the harrow, following the safety and maintenance instructions provided by the manufacturer.

03 - Always carry out maintenance during the periods indicated in this manual.

• Conservation of the harrow - Part II

The practices and care below if adopted by the owner or operator make a difference to the conservation of the **CRI**.

01 - Be careful when performing high-pressure washing; do not direct the water jet directly into the connectors and electrical components. Isolate all electrical components;

02 - Use only NEUTRAL detergent and water (pH equal to 7);

03 - Apply the product, following the manufacturer's instructions strictly, on the wet surface and in the correct sequence, respecting the time of application and washing;

04 - Stains and dirt not removed with the products should be removed with the aid of a sponge.

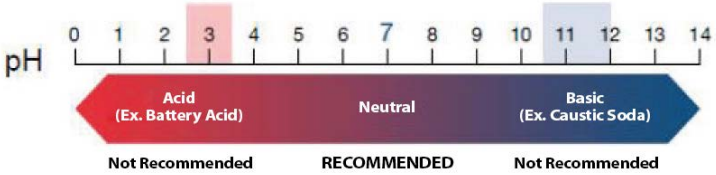
05 - Rinse the machine with clean water to remove any chemical residues.

▪ Maintenance

• Conservation of the harrow - Part III

06 - Do not use: - Detergents with a basic active ingredient (pH greater than 7), can attack/stain the paint on the harrow.

- **Detergents with acid active ingredient (pH less than 7), act as stripper/remover of zinc coating (the protection of parts against oxidation).**



07 - Allow the machine to dry in the shade so that it does not accumulate water in its components. Very fast drying can cause stains on your paint.

08 - After drying, lubricate all chains and greases according to the recommendations in the operator's manual.

09 - Spray all the machine, especially the zinc parts, with protective oil, following the manufacturer's application guidelines. The protective also prevents dirt from adhering to the machine, facilitating subsequent washings.

10 - Observe curing (absorption) time and application intervals as recommended by the manufacturer.

⚠ ATTENTION | **Do not use any other type of oil to protect the harrow (used hydraulic oil, "burnt" oil, diesel oil, castor oil, kerosene, etc.).**

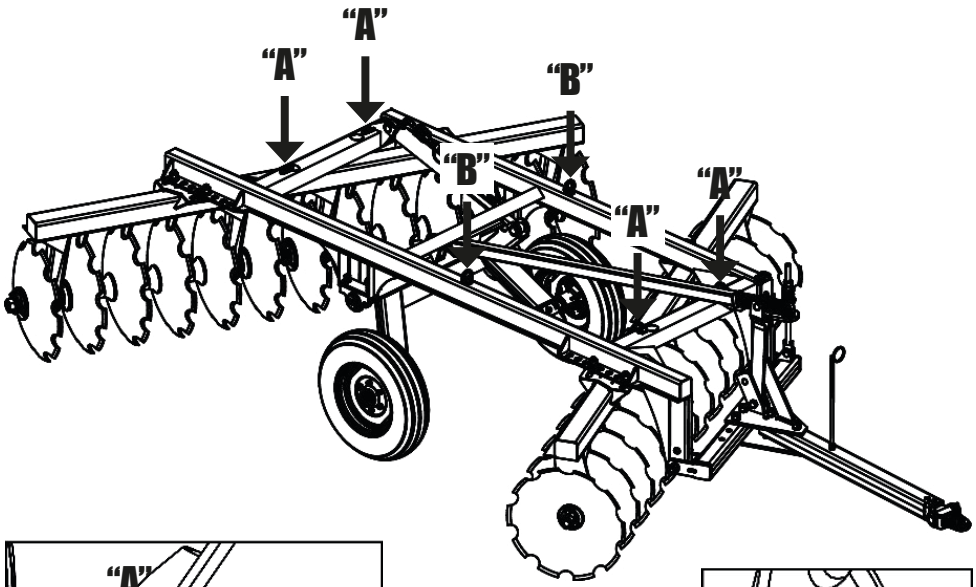
IMPORTANT | **We recommend the following protective oils:**
- Bardahl: Agro protective 200 or 300
- ITWChemical: Zoxol DW - Series 4000

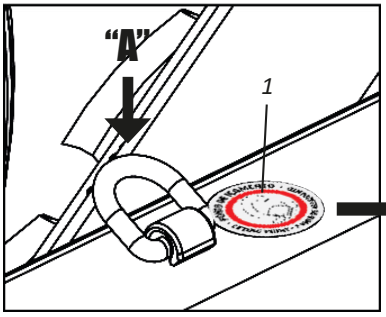
OBSERVATION | **Ignoring the conservation measures mentioned above may result in the loss of warranty for painted or zinc-coated components which may exhibit oxidation (rust).**

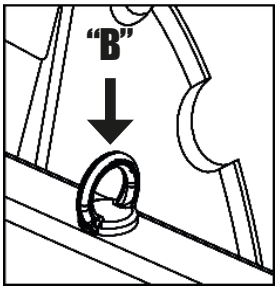
▪ Lifting

• Lifting points

The **CRI** has 4 "A" lift points located in the upright and identified through the adhesive (1) attached to these points. When assembling, loading, unloading or servicing the **CRI**, if you need to lift with a winch, it is essential to engage the chains in the 4 "A" lifting points.







MAXIMUM LOAD: 1000 KG

MAXIMUM LOAD: 300 kg

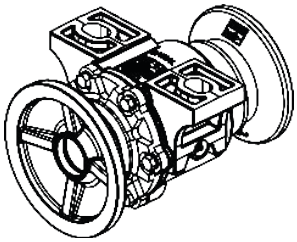
⚠ ATTENTION

Do not use 2 "B" points in any way to lift the CRI. These points are only used during the CRI manufacturing process. Ignoring this warning may cause severe accidents or death.

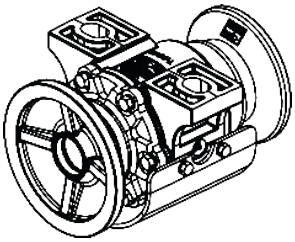
▪ Optional

• Cutting disc

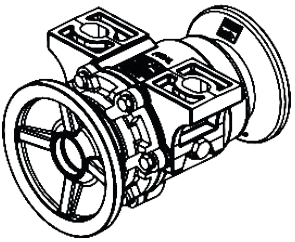
The **CRI** has optional accessories that can be acquired according to the need of work.



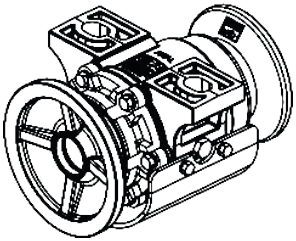
GREASE BEARING
WITHOUT GUARD



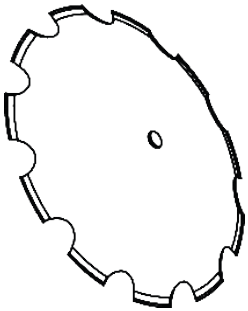
GREASE BEARING
WITH GUARD



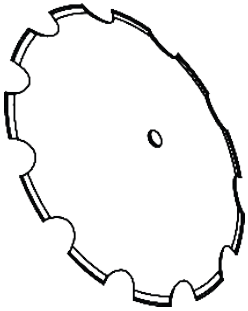
AXIAL BEARING
WITHOUT GUARD



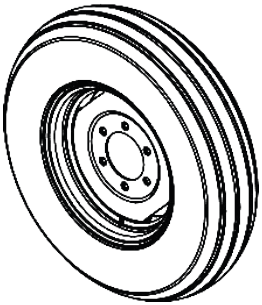
AXIAL BEARING
WITH GUARD



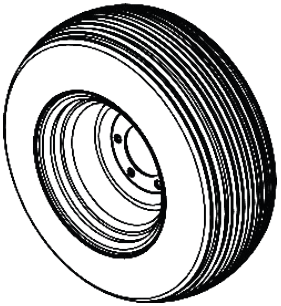
DISC TRIMMED
26" AND 28"



FINISHING DISC 26"
CRI 22, 24, 26 AND 28 DISCS



TIRE 750 X 16 10 CANVAS
CRI 12 TO 14 DISCS



TIRE 11 X 15 - BL 10 CANVAS
CRI 16 TO 30 DISCS

▪ Identification

• Identification plate

To see the parts catalog or to request technical assistance from Baldan, always inform model (01), serial number (02) and date of manufacture (03), which is on your **CRI** nameplate.

⚠ ATTENTION

The drawings in this Instruction Manual are merely illustrative.

CONTACT

In case of doubts, never operate or handle your equipment without referring to Post-Sales.
Telephone: 0800-152577
e-mail: posvenda@baldan.com.br

PUBLICATIONS

Code: 60550108448 | CPT: CRIMR01818

PEÇAS ORIGINAIS BALDAN
ORIGINAL PARTS • PIEZAS ORIGINALES

▪ Identification

• Product identification

Please make the correct identification of the data below, to always have information about the service life of your equipment.

Owner: _____

Dealer: _____

Property: _____

City: _____

State: _____

Certificate of Warranty no.: _____

Implement: _____

Serial No.: _____

Purchase Date: _____

Invoice: _____

Notes

Certificate of Warranty

BALDAN IMPLEMENTOS AGRÍCOLAS S/A ensures the dealer normal performance of the implement for a period of six (6) months as of the delivery date on the retail invoice to the first final consumer. During this period, **BALDAN** undertakes to repair defects in material and/or of manufacture of its liability, including labor, freight and other expenses of the dealer's liability.

In the warranty period, request and replacement of eventual defective parts shall be made to the dealer of the area, who will submit the faulty piece for **BALDAN** analysis. When this procedure is not possible and the resolving capacity of the dealer is exhausted, the dealer will request the support of **BALDAN Technical Assistance** through a specific form distributed to dealers. After analyzing the replaced items by Baldan Technical Assistance, and concluding that it is not a warranty, then the dealer will be responsible for the costs related to the replacement; as well as material expenses, travel including accommodation and meals, accessories, lubricant used and other expenses arising from the call out to Technical Assistance, and Baldan company is authorized to carry the respective invoice in the name of the resale. Any repair carried in the product within the dealer warranty deadline will only be authorized by **BALDAN** upon previous budget presentation describing parts and work to be performed.

The product is excluded from this term if it is repaired or modified by representatives not belonging to the **BALDAN** dealer network, as well as the application of non-genuine parts or components to the user's product. This warranty is void where it is found that the defect or damage is caused by improper use of the product, failure to follow instructions or inexperience of the operator.

It is agreed that this warranty does not cover tires, polyethylene tanks, cardan, hydraulic components, etc., which are equipment guaranteed by their manufacturers. Manufacturing and/or material defects, object of this warranty term, will not constitute, under any circumstances, grounds for termination of a purchase agreement, or for indemnification of any nature.

BALDAN reserves the right to change and/or perfect the technical characteristics of its products, without previous notice, and without obligation to proceed in the same way with the products previously manufactured.

▪ Inspection and Delivery Certificate

SERVICE BEFORE DELIVERY: This implement was carefully prepared by the sale organization, with all its parts inspected according to the manufacturing prescriptions.

DELIVERY SERVICE: The user was informed about the current warranty terms and instructed on the usage maintenance precautions.

I confirm that the user has been informed about the current warranty terms and instructed on the usage maintenance precautions.

Implement :_____ Serial Number :_____

Date :_____ Tax Number :_____

Dealer : _____

Telephone :_____CEP :_____

City: _____

State : _____

Owner: _____

Telephone:_____

Address:_____ Number:_____

City:_____ State: _____

Email:_____

Sale date:_____

Signature / Dealer Stamp _____

1st copy - Owner

▪ Inspection and Delivery Certificate

SERVICE BEFORE DELIVERY: This implement was carefully prepared by the sale organization, with all its parts inspected according to the manufacturing prescriptions.

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Date :_____ Tax Number :_____

Dealer : _____

Telephone :_____CEP :_____

City: _____

State : _____

Owner: _____

Telephone:_____

Address:_____ Number:_____

City:_____ State: _____

Email:_____

Sale date:_____

Signature / Dealer Stamp _____

2nd copy - Dealer

▪ Inspection and Delivery Certificate

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Implement :_____ Serial Number :_____

Date :_____ Tax Number :_____

Dealer : _____

Telephone :_____CEP :_____

City: _____

State : _____

Owner: _____

Telephone:_____

Address:_____ Number:_____

City:_____ State: _____

Email:_____

Sale date:_____

Signature / Dealer Stamp _____

3rd copy - Manufacturer (Please send completed within 15 days)

1.74.05.0059-5

AC MATÃO
ECT/DR/SP

RESPONSE CARD

NO STAMPING IS REQUIRED

THE STAMP WILL BE PAID BY:

BALDAN IMPLEMENTOS AGRÍCOLAS S/A.
Av. Baldan, 1500 | Nova Matão | CEP: 15993-900 | Matão-SP. | Brazil
Tel: (16) 3221-6500 | Fax: (16) 3382-6500
www.baldan.com.br | email: sac@baldan.com.br
Export:Tel: +55 (16) 3221-6500 | Fax: +55 (16) 3382-4212 | 3382-2480
email: export@baldan.com.br

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