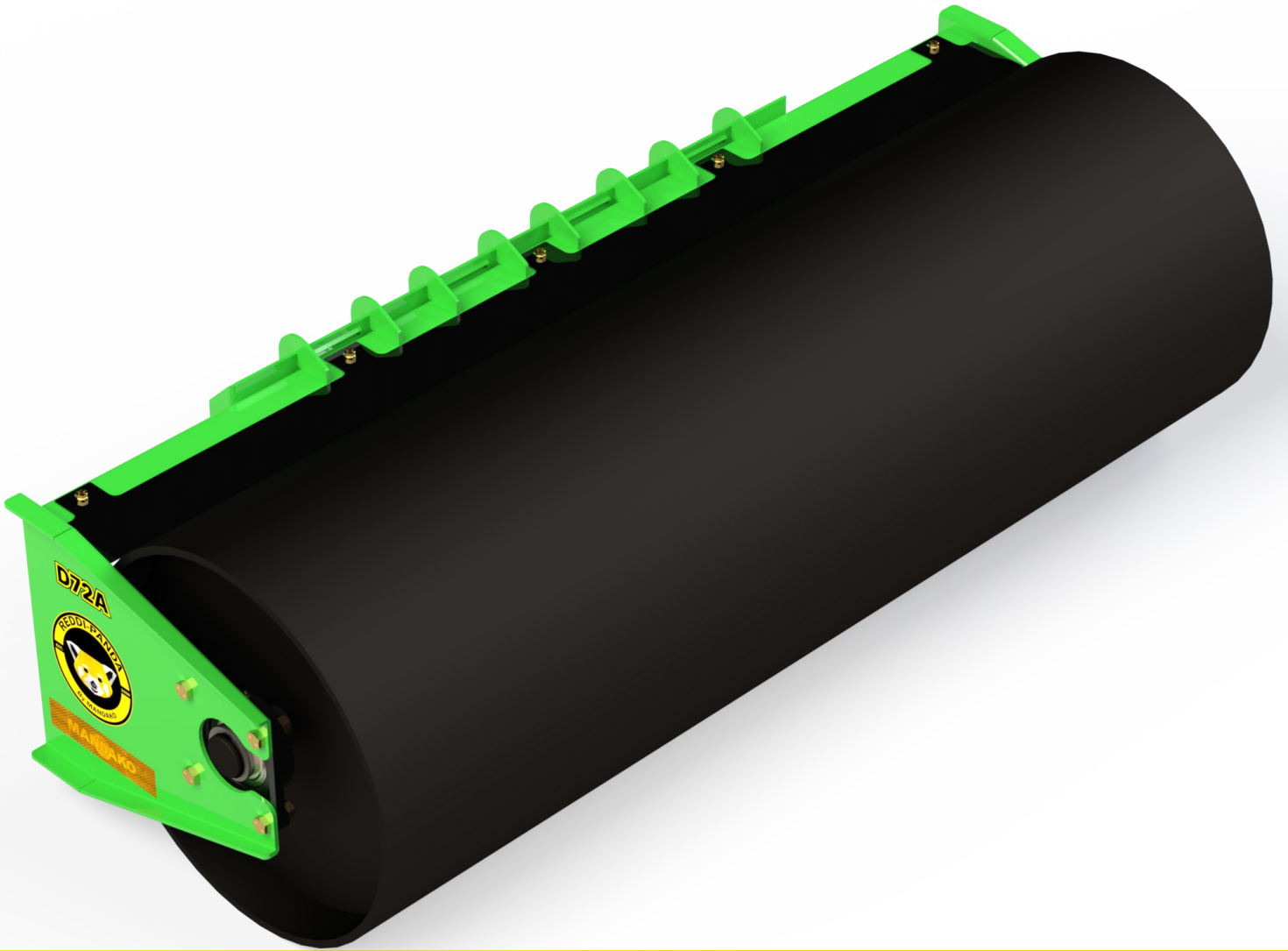


MANDAKO



REDDI-PANDA

OPERATORS MANUAL

LIMITED WARRANTY:

Mandako Agri Marketing (2010) Ltd. ("MANDAKO") warrants for a period of one (1) year from the date of delivery to the purchaser that any new machinery purchased from MANDAKO (the "Product") will be free of manufacturing and materials defects (the "Covered Defects"). Before using the Product, the purchaser shall determine the suitability of the Product for its intended use. This Limited Warranty is non-transferable and valid to the purchaser of the Product only.

Except for the Covered Defects, this Limited Warranty shall not apply to any other defects or problems in the Product, including without limitation: (i) alterations, changes, replacements or repairs to the Product made by anyone other than MANDAKO or MANDAKO authorized Dealers; (ii) accessories, attachments, tools or parts sold or operated with the Product, if they have not been manufactured by MANDAKO; (iii) application or installation of accessories, attachments, tools or parts not completed in accordance with MANDAKO's operator's manual, specifications or printed instructions; (iv) defects or problems caused by misuse, abuse, neglect, improper testing, improper storage, improper handling or abnormal conditions; and (v) defects caused by wear and tear from ordinary use of the Product.

During the one (1) year warranty period, provided that written notice of the Covered Defects is given to MANDAKO within seven (7) days from the date that the defect was, or ought to have been, discovered, the liability of MANDAKO under this Limited Warranty shall be limited to the repair or replacement of any defective Product. For clarity, the purchaser shall be responsible for all expenses incurred as a result of any repairs, labour, parts, transportation or any other work, unless MANDAKO has otherwise authorized reimbursement of such expenses. In order to obtain repair or replacement, the written notice provided by the purchaser must contain full details of the Covered Defects and submitted online at www.mandako.com/warranty-claim or be sent to:

Mandako
Box 379, 12159B, Hwy 306
Plum Coulee, Manitoba, R0G 1R0

MANDAKO reserves the right to inspect the defective Product prior to repair or replacement. If MANDAKO determines that a defect in the Product is not a Covered Defect, it shall not have any obligation to repair or replace the Product.

No one is authorized to make oral warranties or representations on behalf of MANDAKO regarding the Product. The Product is subject to design changes and MANDAKO shall not be required to retro-fit or exchange items on previously sold Product, except at its own option.

THIS LIMITED WARRANTY IS DEEMED ACCEPTED BY YOU UPON YOUR PURCHASE OF THE PRODUCT. TO THE EXTENT PERMITTED BY LAW, THIS LIMITED WARRANTY IS EXCLUSIVE, AND IN LIEU OF ANY AND ALL OTHER WARRANTIES, CONDITIONS OR REPRESENTATIONS RESPECTING THE PRODUCT, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, SUITABILITY, OR ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS THAT MAY ARISE FROM USAGE OF TRADE OR COURSE OF DEALING.

MANDAKO'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND IN NO EVENT SHALL MANDAKO OR ITS SUPPLIERS, AGENTS, OFFICERS, DIRECTORS, CONTRACTORS AND EMPLOYEES BE LIABLE TO THE PURCHASER OR ANY THIRD PARTY FOR ANY INDIRECT, PUNITIVE, EXEMPLARY, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OR LOSSES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS, LOSS OF PROFITS OR SALES, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION OR ANY OTHER PECUNIARY LOSS OR COMMERCIAL DAMAGE OR LOSS) ARISING FROM ANY CLAIM WHATSOEVER, INCLUDING ANY TORT, EQUITY, NEGLIGENCE, GROSS NEGLIGENCE, WILFUL MISCONDUCT OR STRICT LIABILITY CLAIM, EVEN IF MANDAKO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSSES OR THEY ARE FORESEEABLE. THE PURCHASER WAIVES ANY CLAIM AGAINST MANDAKO FOR PUNITIVE OR EXEMPLARY DAMAGES.

**WARRANTY VOID IF NOT REGISTERED
PLEASE REGISTER AT www.mandako.com/registration**

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Section 1: INTRODUCTION

Congratulations on your choice of a Mandako REDDI-PANDA to compliment your operation. This equipment has been designed and manufactured to meet the needs of a discerning industry.

Safe, efficient and trouble free operation of your Mandako REDDI-PANDA requires that you and anyone else who will be using or maintaining the REDDI-PANDA, read and understand the Safety, Operation, Maintenance and Trouble Shooting information contained within this Operator's Manual.

This manual covers all sizes of the Mandako REDDI-PANDA. Keep this manual handy for frequent reference and to pass on to new operators or owners. Call your Mandako dealer if you need assistance, information or additional copies of the manual.

NOTE:

The directions left, right, front and rear, as mentioned throughout this manual, are as seen from the skid-steer driver's seat and facing in the direction of travel

1.1 SERIAL NUMBER LOCATION

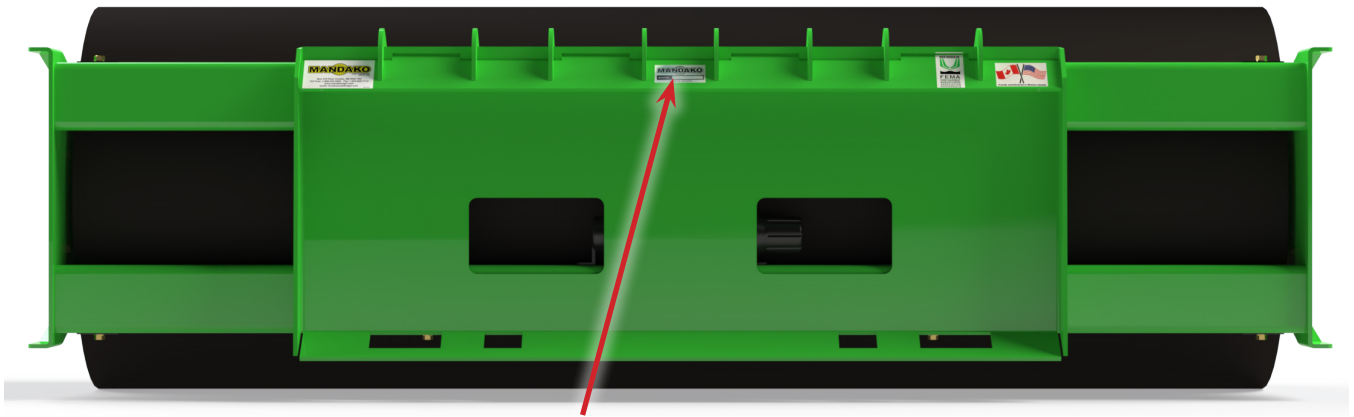


Fig. 1 Model/Serial Number Location

Always give your dealer the serial number of your REDDI-PANDA when ordering parts or requesting service or other information.

The serial number plate is located where indicated above. Please mark the number in the space provided for easy reference.

Model Number _____

Serial Number _____

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Section 2: SAFETY

Why is SAFETY important to you?

3 Big Reasons:

- ▲ Accidents Disable and Kill
- ▲ Accidents Cost
- ▲ Accidents Can Be Avoided

This Safety Alert symbol means:
ATTENTION!
BECOME ALERT!
YOUR SAFETY IS INVOLVED!



The Safety Alert symbol identifies important safety messages on the equipment and in this manual.

When you see this symbol, be alert to the possibility of personal injury or death.

Follow the instructions in the safety message.

SIGNAL WORDS:

Note the use of the signal words DANGER, WARNING, CAUTION and ATTENTION along with the accompanying safety messages. The appropriate signal word for each message has been selected using the following guidelines:

DANGER

DANGER - Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

WARNING

WARNING - Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

It identifies hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION

CAUTION - Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

It may also be used to alert against unsafe practices.

ATTENTION

ATTENTION - Indicates practices or situations which may result in the malfunction of, or damage to, the equipment.

REDDI-PANDA Operator's Manual

2.1 SAFETY ORIENTATION

You are responsible for the SAFE operation and maintenance of your Mandako REDDI-PANDA. Ensure that you and anyone else who will use, maintain or work around the REDDI-PANDA be familiar with the Safety, Operating and Maintenance procedures in this manual.

This manual will take you step-by-step through your working day and alerts you to all good safety practices that should be used while operating the REDDI-PANDA.

Remember, you are the key to safety. Good safety practices not only protect you but also the people around you. Make these practices a working part of your safety program. Be certain that everyone using this equipment follows all safety precautions, as well as the detailed operating and maintenance procedures.

Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices:

- REDDI-PANDA owners must give operating instructions to operators or employees before allowing them to operate the machine, and review annually thereafter.
- The most important safety device on this equipment is a SAFE operator. It is the operator's responsibility to read and understand ALL Safety and Operating instructions in the manual and to follow them. Most accidents can be avoided.
- A person who has not read and understood all operating and safety instructions is not qualified to use the machine. An untrained operator exposes himself and bystanders to the possibility of serious injury or death.
- Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.
- Think SAFETY! Work SAFELY!

2.2 GENERAL SAFETY

- Read and understand the Operator's Manual and all safety signs before using, maintaining, adjusting or cleaning the REDDI-PANDA.



- Have a first-aid kit available for use should the need arise and know how to use it.



- Have a fire extinguisher available for use should the need arise and know how to use it.

- Do not allow riders.

- Wear appropriate protective gear. This list includes but is not limited to:

- Hard hat
- Protective shoes with slip resistant soles
- Protective glasses, goggles or face shield
- Heavy gloves
- Hearing Protection



- Install and secure all guards before starting.

- Wear suitable ear protection for prolonged exposure to excessive noise.



- Lower machine to ground, place all controls in neutral, set park brake, stop engine, remove ignition key and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.

- Clear the area of individuals, especially small children, before operating the unit.

- Review safety related items annually with all personnel who will be operating or maintaining the REDDI-PANDA.

2.3 EQUIPMENT SAFETY GUIDELINES

- Safety of the operator and bystanders is one of the main concerns in the design and development of equipment. However, every year many accidents occur, which could have been avoided, by a few seconds of thought and a more careful approach to handling equipment.
- You, the operator, can avoid many accidents by following the precautions in this section. Insist that those working with you, or for you, follow them also.
- Replace any safety or instructional signs that are missing or illegible. The location of these safety signs are indicated in this manual.
- Never use alcoholic beverages or drugs which can hinder alertness or coordination while using this equipment. Consult your doctor about using this machine while taking prescription medications.
- Under no circumstances should young children be allowed to work with this equipment.
- The operator should be a responsible, properly trained and physically able person. They should be familiar with machinery and trained in this equipment's operations.
- If the elderly are assisting with work, their physical limitations need to be recognized and accommodated.
- If the tow vehicle is a skid-steer, it should be equipped with a Roll Over Protective Structure (ROPS) and a seat belt.
- Never exceed the limits of the REDDI-PANDA. If its ability to do a job, or to do so safely, is in question - DON'T TRY IT.



- Do not modify the equipment in any way. Unauthorized modification may impair the function and life of the equipment, and may result in serious injury or death.

2.4 SAFETY DECALS

2:4:1 General Information:

- Keep safety decals clean and legible at all times.
- Replace decals that are missing or have become illegible.
- Replaced parts that displayed a safety decal should also display the current sign.
- Safety decals displayed in Section 2.13 each have a part number located below the sign. Use this part number when ordering replacements.
- Safety decals are available from your authorized Distributor or Dealer Parts Department.


NOTE:

Call Mandako directly if you are unfamiliar with who your local Dealer/Distributor is.




2:4:2 How to Install Safety Decals:

1. Be sure that the installation area is clean and dry.
2. Be sure temperature is above 50°F (10°C).
3. Determine exact position before you remove the paper backing. (See Section 2.13)
4. Remove the smallest portion of the split backing.
5. Align the decal over the specified area and carefully press the small portion with the exposed adhesive in place.
6. Slowly peel back the remaining paper and carefully smooth the rest of the decal in place.
7. Small air pockets can be pierced with a pin and smoothed out using the piece of the paper backing.

2.5 SAFETY TRAINING

- Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator or bystander. 
- Accident prevention and identifying hazards are dependent upon the proper training of personnel. Their awareness, concern and common sense are crucial when involved with the operation, transport, maintenance and storage of the equipment.
- Working with unfamiliar equipment can lead to careless injuries. Read this manual to become acquainted with the machine.
- Whether the machine owner is the operator, loans or rents it out, it is their responsibility to make certain that the borrower reads and understands the operator's manuals.
- Know your controls, how to stop the tow unit, the engine, and machine quickly in an emergency.
- Train all new personnel and review instructions frequently with existing workers. Be certain only a properly trained and physically able person will use the machinery.
- A person who has not read and understood all operating and safety instructions is not qualified to use the machine. An untrained operator exposes himself and bystanders to the possibility of serious injury or death.
- If the elderly are assisting with the work, their physical limitations need to be recognized and accommodated.

2.6 PREPARATION

- Never use the REDDI-PANDA until you have read this manual and the tow unit's Operator's Manual. Take note of each Safety Message found on the safety decals on the REDDI-PANDA and the tow vehicle. 
- Personal protective equipment including a hard hat, safety glasses, safety shoes and gloves are recommended during assembly or installation, operation, adjustment, maintaining or repairing, cleaning or moving the unit. 
- Do not allow long hair, loose fitting clothing or jewelry to be around equipment.
- **PROLONGED EXPOSURE TO LOUD NOISE MAY CAUSE PERMANENT HEARING LOSS!**
- Power equipment with or without equipment attached can often be noisy enough to cause permanent or partial hearing loss. We recommend that you wear hearing protection on a full-time basis if the noise in the Operator's position exceeds 80db. 
- Noise over 85db on a long-term basis can cause severe hearing loss. Noise over 90db adjacent to the Operator over a long-term basis may cause permanent, total hearing loss.

NOTE:

Hearing loss from loud noise (from skid-steers, chain saws, radios, and other such sources close to the ear) is cumulative over a lifetime without hope of natural recovery.

- Any skid-steer used to tow the REDDI-PANDA must be equipped with an approved Roll-Over-Protective-Structure (ROPS). Always wear a seat belt. Serious injury or even death could result from falling off the skid-steer. If a roll-over occurs, the operator could be pinned under the ROPS or inside the skid-steer.



- Clear working area of stones, branches or hidden obstacles that might be hooked or snagged, causing damage or injury.
- Be sure the machine is properly attached, adjusted and in good operating condition.
- Ensure that all safety shielding and safety decals are properly installed and in good condition.

2.7 OPERATING SAFETY

- Read and understand the Operator's Manual and all safety signs before using. Review safety instructions annually.



- Lower machine to the ground, place all controls in neutral, stop engine, set park brake, remove ignition key, and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
- Install and secure all guards and shields before starting or operating.

- Keep hands, feet, hair and clothing away from all moving and/or rotating parts.



- Do not allow riders on the REDDI-PANDA or tow vehicle during operation or transporting.
- Clear the area of all bystanders, especially children, before starting.
- Stay away from all frames and components when folding or extending. Keep others away.

- Clean reflectors, SMV (Slow Moving Vehicle) emblem and lights before transporting. Be sure you are in compliance with all federal and local regulations regarding transport of equipment on public roads and highways.



- Do not exceed a safe travel speed.
- Use hazard flasher on tow vehicle when transporting.
- Always refer to the towing vehicle owner's manual trailer towing section to determine the vehicle's towing capacity and to ensure compatibility and maximum safety.
- Shift towing unit to a lower gear before going down steep down-grades to use engine as retarding force. Keep towing vehicle in gear at all times.
- Attach securely to towing unit using a hardened pin with a retainer and a safety chain.
- Review safety instructions annually.
- Do not drink and drive.

2.8 MAINTENANCE SAFETY

- Good maintenance is your responsibility. Poor maintenance is an invitation for trouble.
- Follow good shop practices.
 - Keep service area clean and dry.
 - Be sure electrical outlets and tools are properly grounded.
 - Use adequate light for the job at hand.
- Lower machine to the ground. Place all controls in neutral, stop engine, set the park brake, remove ignition key, and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
- Place stand or blocks under the frame before working beneath the machine or when changing tires.
- Always use personal protective equipment such as safety glasses, gloves and hearing protection, when performing any service or maintenance work.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications.
- A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this equipment.
- When completing a maintenance or service function, make sure all safety shields and devices are installed before placing unit in service.



2.9 STORAGE SAFETY

- Store the unit in an area away from human activity
- Store the unit in a dry, level area. Support the frame with planks if required.
- Lower roller to the ground and lower stabilizer jacks.
- Do not allow children to play on or around the stored machine.

2.10 TRANSPORT SAFETY

- Read and understand ALL the information in the Operator's Manual regarding procedures and SAFETY when operating the REDDI-PANDA in the field and/or on the road.
- Do not raise the frame or transport with fluid in the Drum.
- Check with local authorities regarding REDDI-PANDA transport on public roads. Obey all applicable laws and regulations.
- Always travel at a safe speed. Use caution when making corners or meeting traffic.
- Make sure the SMV (Slow Moving Vehicle) emblem and all the lights and reflectors that are required by the local highway and transport authorities are in place, are clean and can be seen clearly by all overtaking and oncoming traffic.
- Install additional lights on the rear of the machine to safeguard against rear end collisions. Daybreak and dusk are particularly dangerous and pilot vehicles are recommended.
- Be sure that the machine is securely hitched to the towing vehicle and a retainer is used through the pins.
- Always refer to the towing vehicle owner's manual trailer towing section to determine the vehicles towing capacity and to ensure compatibility and maximum safety.
- Keep to the right and yield the right-of-way to allow faster traffic to pass. Drive on the shoulder of the road, if permitted by law.
- Do not exceed 32 km/h (20 mph) on highway transport. Reduce speed on rough roads and surfaces.
- Always use hazard warning flashers on tow vehicle when transporting unless prohibited by law.
- Shift towing unit to a lower gear before going down steep down-grades to use engine as retarding force. Keep towing vehicle in gear at all times.
- Do not drink and drive.



2.12 SAFETY DECALS

The various safety decals, and their locations on the equipment are shown in the illustrations to follow.

Good safety practices require familiarizing yourself with the decals. Read the warning messages, and note the area, or particular function related to that area, that the decal highlights.

If safety decals have been damaged, removed, become illegible, or replacement parts do not have the decal; new ones must be applied. Safety decals are available from your authorized dealer.

Mandako reserves the right to update safety decals without notice. Safety decals may not be to scale or exactly as shown.



Part No. R991003

2.11 SAFETY DECAL LOCATION



Fig. 2 Decal Location

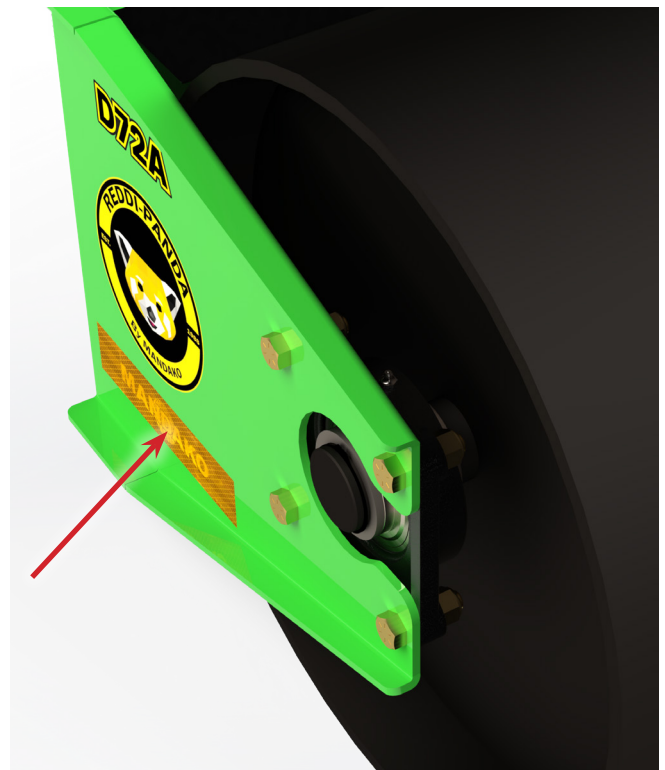
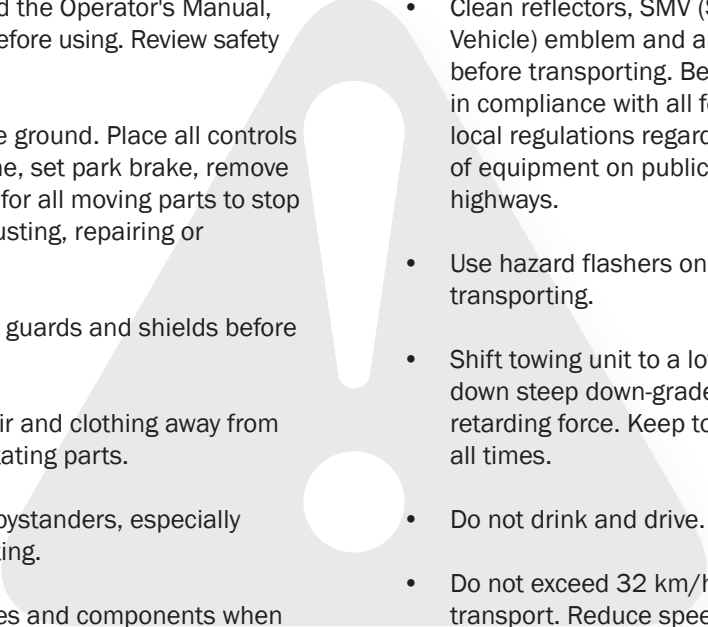


Fig. 3 Decal Location

Remember - Safety Decals are for your protection! If they have been damaged, removed, become illegible, or replacement parts do not have the decal; new ones must be applied. Safety decals are available from your authorized dealer.

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Section 3: OPERATION

-
- 
- Read and understand the Operator's Manual, and all safety signs before using. Review safety instructions annually.
 - Lower machine to the ground. Place all controls in neutral, stop engine, set park brake, remove ignition key and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
 - Install and secure all guards and shields before starting or operating.
 - Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
 - Clear the area of all bystanders, especially children, before starting.
 - Stay away from frames and components when lowering or raising. Keep others away.
 - Attach securely to towing unit using a hardened pin with a retainer and a safety chain.
 - Do not allow riders on the REDDI-PANDA or tow unit during operation or transporting.
 - Clean reflectors, SMV (Slow Moving Vehicle) emblem and all the lights before transporting. Be sure you are in compliance with all federal and local regulations regarding transport of equipment on public roads and highways.
 - Use hazard flashers on tow unit when transporting.
 - Shift towing unit to a lower gear before going down steep down-grades to use engine as retarding force. Keep towing vehicle in gear at all times.
 - Do not drink and drive.
 - Do not exceed 32 km/h (20 mph) on highway transport. Reduce speed on rough roads and surfaces.
-

It is the responsibility of the owner and operator to read this manual. They must train all others before starting to work with the machine. Follow all safety instructions exactly. Safety is everyone's business. By following recommended procedures, a safe working environment is provided for the operator, bystanders and the area around the work site.

Many features incorporated into this machine are the result of suggestions made by customers like you.

This manual will describe how to set the REDDI-PANDA to provide maximum field efficiency. By following the operating instructions in conjunction with a good maintenance program, your REDDI-PANDA will provide many years of trouble-free service.

3.1 MACHINE COMPONENTS

The Mandako REDDI-PANDA consists of a single roller drum mounted onto a quick attach plate.

The quick attach plate allows for direct transport to field operation. The loader arms lower and lifts the drum. This allows for precise controls from the skid-steer cab while in operation.

The top hook and lower pin slots are vital parts to ensure the machine is used safely and help eliminate possible damage to the machine.

The main components of the unit are as follows:

- a. Roller Drum
- b. Main Frame
- c. Top hook
- d. Lower pin slots
- e. Operators Manual Cannister
- f. Quick attach plate
- g. Mud Scraper

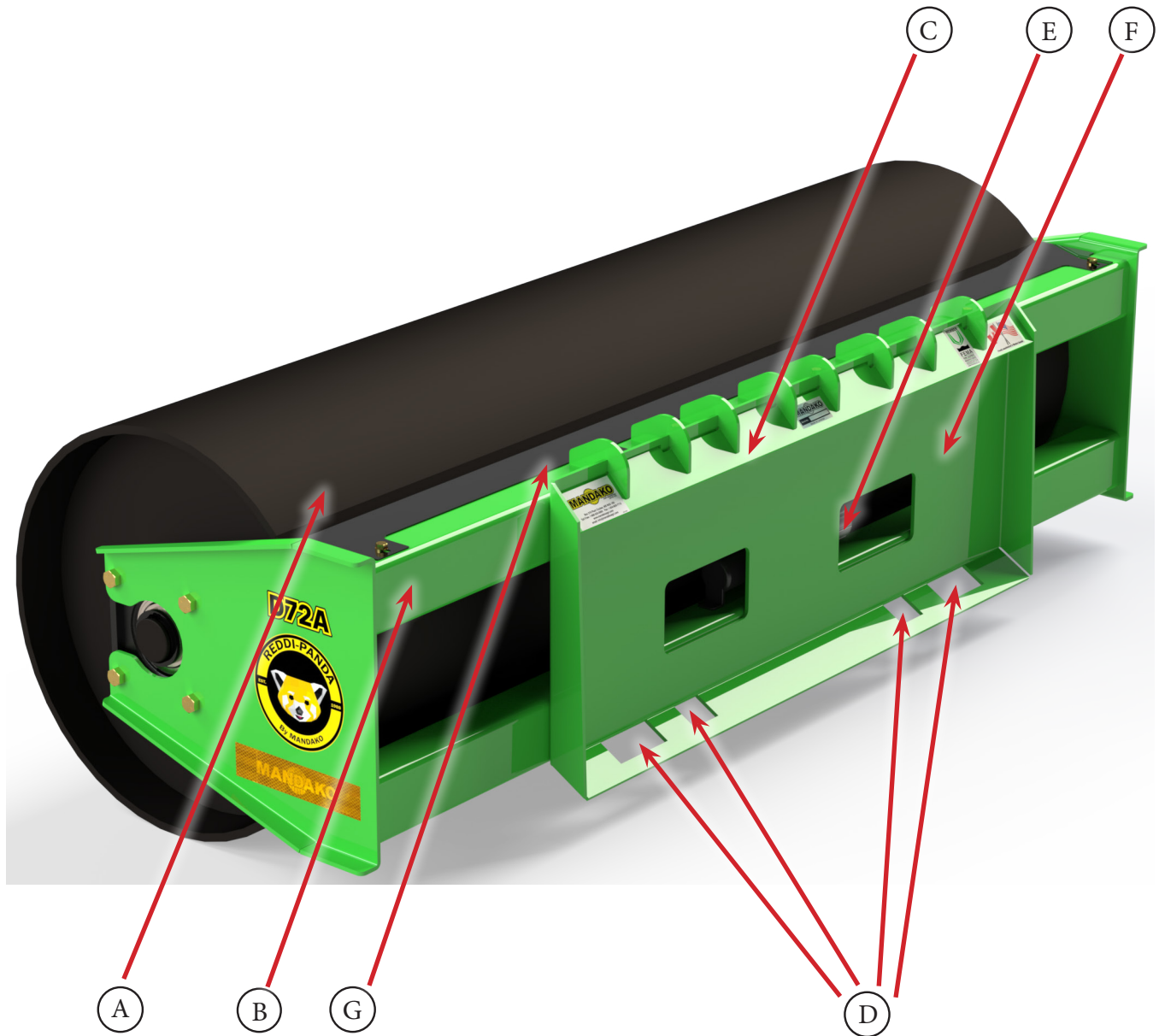


Fig. 4 Machine Components

3.2 MACHINE BREAK-IN

There are no operational restrictions on the REDDI-PANDA when used for the first time.

Although, it is recommended that the following mechanical items be checked:

After operating for 1/2 hour:

1. Re-torque all fasteners and hardware.
2. Check for, and remove all entangled material.
3. Lubricate all grease fittings with one shot of grease.

After 5 hours and 10 hours of operation:

4. Re-torque all fasteners and hardware.
5. Go to the normal servicing and maintenance schedule as defined in the Service and Maintenance Section.

IMPORTANT:

Verify weight capacity of the skid-steer with the skid-steer operators manual.

3.3 PRE-OPERATION CHECKLIST

Efficient and safe operation of the Mandako REDDI-PANDA requires that each operator reads the manual. They must understand the procedures, and all related safety precautions.

A pre-operation checklist is provided for the operator. It is important for personal safety, and to maintain the good mechanical condition of the REDDI-PANDA that this checklist is followed.

Before operating the REDDI-PANDA and each time thereafter, the following areas should be checked off:

1. Lubricate the machine according to the schedule outline in the Section 4.2.
2. Use a skid-steer of adequate power and weight to operate the REDDI-PANDA. See Section 3.4 for recommendations.
3. Remove all entangled material.

3.4 EQUIPMENT MATCHING

To ensure the safe and reliable operation of the REDDI-PANDA, it is necessary to use a skid-steer with appropriate specifications.

As a guideline, be certain that these requirements are met:

1. Horsepower:
The REDDI-PANDA needs both power and mass to use and stabilize the unit in all operating conditions.

The lower levels of power are appropriate for hard, level terrain. Higher levels for soft or hilly land. Extra mass is also required to maintain stability when slowing down or travelling downhill.

Roller Weight	Minimum Skid Steer Horsepower Recommendation
1750lbs	Under 50 HP
1,750-2,200 lbs	50 -70 HP
2,200+lbs	Over 70 HP

Table 1 - Horsepower Recommendation

3.5 ATTACHING/UNHOOKING

The REDDI-PANDA can be attached to a skid-steer using the the quick attach plate. Since the REDDI-PANDA generates a vertical load on the loader arms, care must be taken to properly attach the skid-steer.

3:5:1 ATTACHING A REDDI-PANDA TO A SKID-STEER

Follow this procedure when attaching the REDDI-PANDA to a skid-steer.

1. Ensure all bystanders, especially small children, are clear of the working area.
2. Make sure there is enough room and clearance to drive up to the roller.
3. Slowly move the tow vehicle forward until the top hook is hooked into the bucket coupler.
4. Tilt bucket coupler so pins align with lower pin slots.
5. Install the lower pins.



Fig. 5 Lower lock pins engaged.



Fig. 6 Top hook engaged.

IMPORTANT:

After engaging lower pins always double check to make sure the roller is secure before use!

Size	Weight	Weight +1/2 Water	Weight + Full Water
4'	865	1257	1648
5.5'	1088	1626	2164
6'	1175	1770	2365
7'	1312	1997	2682
8'	1461	2244	3026

Table 2 - Machine Weights

3.6 FIELD OPERATION

The REDDI-PANDA is easy to use. Still, each operator should review this manual to familiarize themselves with the Safety and Operating procedures.

When using this machine, follow this procedure:

1. Clear the area of bystanders, especially small children.
2. Attach the machine to the skid-steer. See Section 3.5
3. Check the unit to be sure it is level and set.

3:6:1 STARTING:

Lower Drum with quick attach plate assembly. With the drum lowered and the skid-steer engine at approximately 1/3 throttle position, release the clutch and move backward. Increase throttle position until desired engine RPM is reached.

Moving backward with the REDDI-PANDA insures the skid steer tracks aren't left behind and the working area is left rolled properly.

3:6:2 STOPPING:

Reduce engine RPM and press clutch to stop machine. Raise drum with the quick attach plate assembly.

IMPORTANT:

Leave the REDDI-PANDA low to the ground even when not in use to prevent serious injury or death.

3:6:3 ROLLER WEIGHT:

Roller is hollow and equipped with a Bung. Water may be added to the roller to increase its weight. This is helpful for rolling lawns or an area with many rocks.

IMPORTANT:

Ensure the skid-steer has the correct lift and tipping capacity to lift the roller including the water ballast.

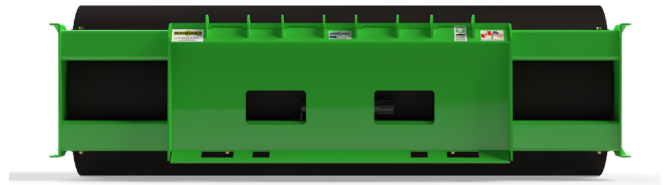


Fig. 7 Make sure unit is Level for optimal Field Operation

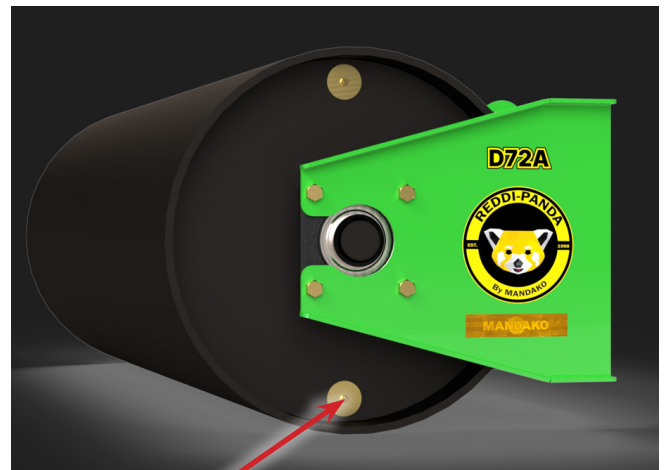


Fig. 8 Ballast Bung

REDDI-PANDA Operator's Manual

3:6:4 BALLASTING:

Ballasting or adding weight to land rollers is optional for certain applications including, but are not limited to; lawns, parking lot preparations and gravel packing.

The extra weight assists in packing the base material and contact the uneven ground surface features.

Normally water is used for ballast:

- Rotate unit, bringing the Bung to the top of the Roller Drum.
- Remove Bung and add water.
- Generally, filling 1/4 to 1/2 full provides sufficient extra weight for most applications.
- Install and tighten the Bung.

To drain the ballast:

- Remove the Bung.
- Move roller to bring the Bung to the bottom.
- Allow water to drain fully.
- Rotate the machine to bring the Bung to top again.
- Install and tighten Bung.

3:6:5 SOIL MOISTURE:

Monitor soil moisture and adjust down pressure with loader arms accordingly. If the soil sticks to the drum excessively wait until conditions dry up to use machine.

3:6:6 HITCH TYPE:

The REDDI-PANDA is equipped with a quick attach plate bracket, installed at the factory.

Be sure to match the machine and skid-steer bucket coupler before attaching to the skid-steer and moving the machine.



Fig. 9 Ballast Bung

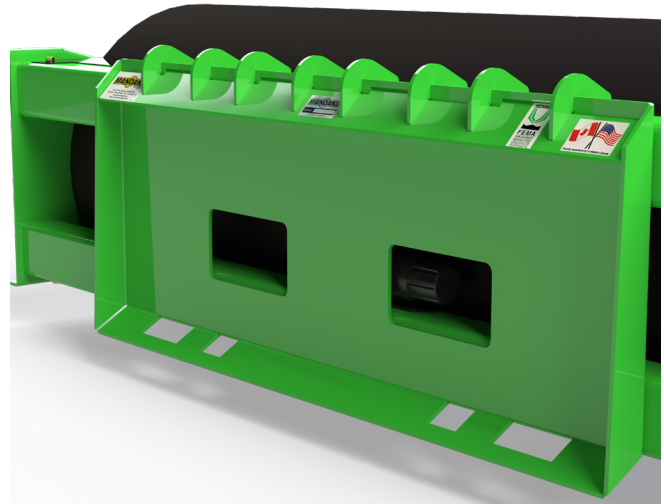


Fig. 10 Quick Attach Plate

3:6:7 TRAVEL SPEED:

The operator must determine the appropriate speed for the terrain and field conditions. It is not recommended to travel faster than 10 km/h (6 mph) in the field to prevent bouncing.

Slow down for rough, hilly or rolling terrain. To be effective, the roller must keep contact with the ground during operation. Select a speed that will keep the REDDI-PANDA operating properly.

3:6:8 TURNING (CORNERING) SPEED:

It is recommended that the speed be reduced by half when approaching the end of the working area, or a corner. By slowing to half speed or less, the roller will be more controllable.

If the terrain results in the turn taking place while going down-hill, you must slow down well before the turn.

Slowing down before turning allows the driver to better judge what distance the outer end of the roller is from the end of the field or corner.

Note:

Misjudging the distance can result in hitting an obstacle at the end of the working area.
Do not take the chance.

3:6:9 OPERATING HINTS:

- Use the adjustment screws on the mud scraper to increase or decrease scraping pressure.
- Back the mud scraper off of the drum if not needed for the rolling application.



ATTENTION:

Be sure to properly counter balance skid-steer in order to prevent serious injury or death.

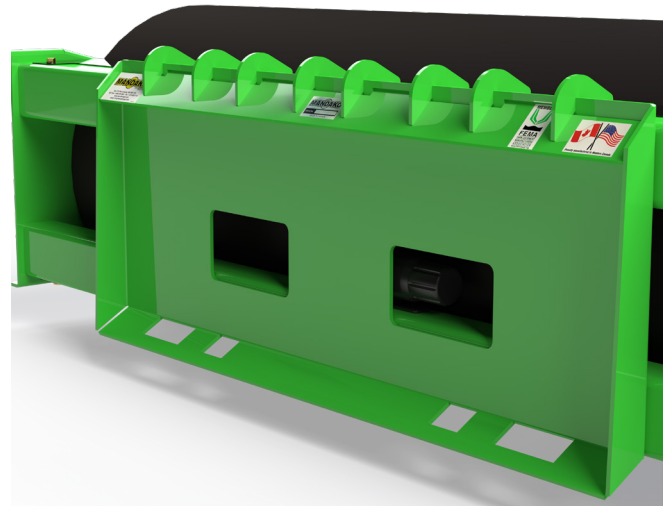


Fig. 11 Qucik Attach Plate

3.7 STORAGE

3:7:1 PLACE IN STORAGE:

At the end of the season, the machine should be thoroughly inspected and prepared for storage. Repair or replace any worn or damaged components to prevent unnecessary down time at the beginning of the next season.

Follow this procedure before storing:

1. Remove all entangled material.
2. Thoroughly wash the unit with a pressure washer or water hose to remove all dirt, mud or debris.
3. Lubricate all grease points as per Section 4.2. Ensure all grease cavities have been filled with grease to remove any water residue from washing.
4. Touch up all paint nicks and scratches to prevent rusting.
5. Select an area that is dry, level and free of debris.
6. Move the machine to its storage area.
7. Unhook the machine from the skid-steer.
(See Section 3.5)

3:7:2 REMOVE FROM STORAGE:

When removing this machine from storage, follow this procedure:

1. Clear the area of bystanders, especially small children.
2. Attach the machine to the skid-steer (See Section 3.5).
3. Make sure quick attach plate pins are all secured properly.
4. Lubricate grease fittings as per Section 4
5. Replace any worn or defective parts.
6. Go through the Pre-Operation Checklist before using machine. (See Section 3.3)

Section 4: SERVICE AND MAINTENANCE

-
- Read and understand the operator's manual, and all safety signage before using.
 - Lower machine to the ground. Place all controls in neutral, stop engine, set park brake and remove ignition key. Wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
 - Install and secure all guards and shields before starting or operating.
 - Clear the area of all bystanders, especially children, before starting.
 - Stay away from rollers when lowering frame.
 - Attach securely to towing unit using lower lock pins.
 - Do not allow riders on the roller or skid-steer during operation or transporting.
 - Clean reflectors, SMV and lights before transporting.
 - Use hazard flasher on skid-steer when transporting.
-

4.1 FLUIDS AND LUBRICANTS

4:1:1 GREASE:

Use an SAE multipurpose high temperature grease with extreme pressure (EP) performance. Also acceptable is an SAE multipurpose lithium base grease.

4:1:2 STORING LUBRICANTS:

Your machine can operate at top efficiency only if clean lubricants are used. Use clean containers to handle all lubricants. Store them in an area protected from dust, moisture and other contaminants.

4:1:3 GREASING:

Refer to Section 4.1.1 for the type of recommended grease.

Use the Maintenance Checklist provided to keep a record of all scheduled maintenance.

1. Use a hand-held grease gun for all greasing.
2. Wipe grease fitting with a clean cloth before greasing, to avoid injecting dirt and grit.
3. Replace and repair broken fittings immediately.
4. If fittings will not take grease, remove and clean thoroughly. Also, clean lubricant passageway. Replace fittings if necessary.

4.2 SERVICING INTERVALS

The periods recommended are based on normal operating conditions. Severe or unusual conditions may require more frequent checks of the equipment and lubrication.

4:2:1 ANNUALLY OR EVERY 3000 ACRES:

- Grease the REDDI-PANDA bearings with 1 shot of grease (2 grease points).

IMPORTANT:

The REDDI-PANDA is designed with sealed bearings on the Roller Drum. **DO NOT OVER GREASE!** Over greasing will destroy the seal and minimize the life of the bearing.

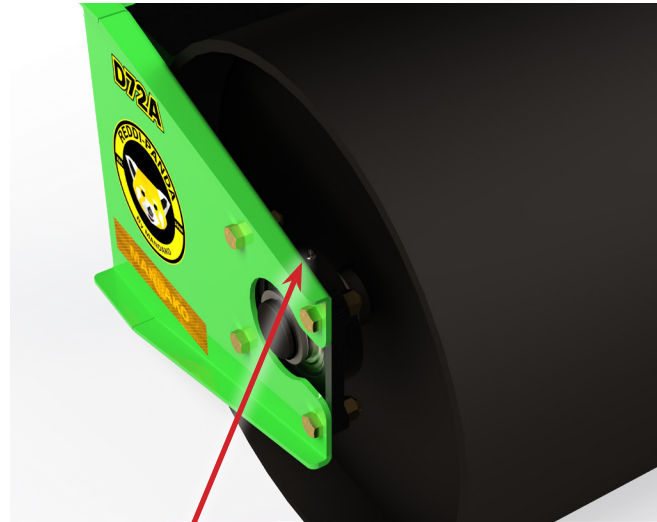


Fig. 12 Bearing Grease zerk Location

- Clean and wash machine.

4.3 SERVICE RECORD

The Servicing Intervals section is only a guide under good conditions. Under extreme, or unusual circumstances adjust service timing accordingly.

Copy this page to continue record.

	Date																
Maintenance	Serviced By																
EVERY 100 HOURS / ANNUALLY																	
Grease Roller Drum Bearings																	
Clean and Wash Machine																	

Section 5: TROUBLE SHOOTING

This REDDI-PANDA is a simple and reliable system that requires minimal maintenance.

The problems which you may encounter, their causes and solutions, are listed below.

If you encounter a problem which is difficult to solve, even after having read through this section, please contact your local distributor or dealer. Before you call, please have this Operator's Manual and the unit's serial number ready.

Problem

Possible Cause	Possible Solution
----------------	-------------------

Mud scraper isn't scraping dirt properly.

Mud scraper is worn down.	Replace mud scraper
Mud scraper is loose.	Increase mud scraper pressure.
Roller frame is too high or low.	Lower or raise roller frame to change mud scraper angle.

Skidsteer lower lock pins don't engage.

Clogged lower lock pin slots	Clean pin slots on roller.
Lower lock pins are seized	Loosed lower lock pins of skid steer mounting coupler.

Section 6: SIGN-OFF FORM

Mandako Agri Marketing (2010) Ltd. follows the general Safety Standards specified by the American Society of Agricultural Engineers (ASAE), and the Occupational Safety and Health Administration (OSHA). Anyone who will be operating and/or maintaining the unit must read and clearly understand all Safety, Operating and Maintenance information presented in this manual.

Do not operate, or allow anyone else to operate, this equipment until this document has been read. Review this information annually, before the season start-up.

Make periodic reviews of SAFETY and OPERATION a standard practice for all of your equipment.

The following Sign-Off Form is provided for your record keeping. Use it to show that all personnel who will be working with the equipment have read and understand the provided information. They also have been instructed in the operation of the equipment. Copy this page to continue the record.

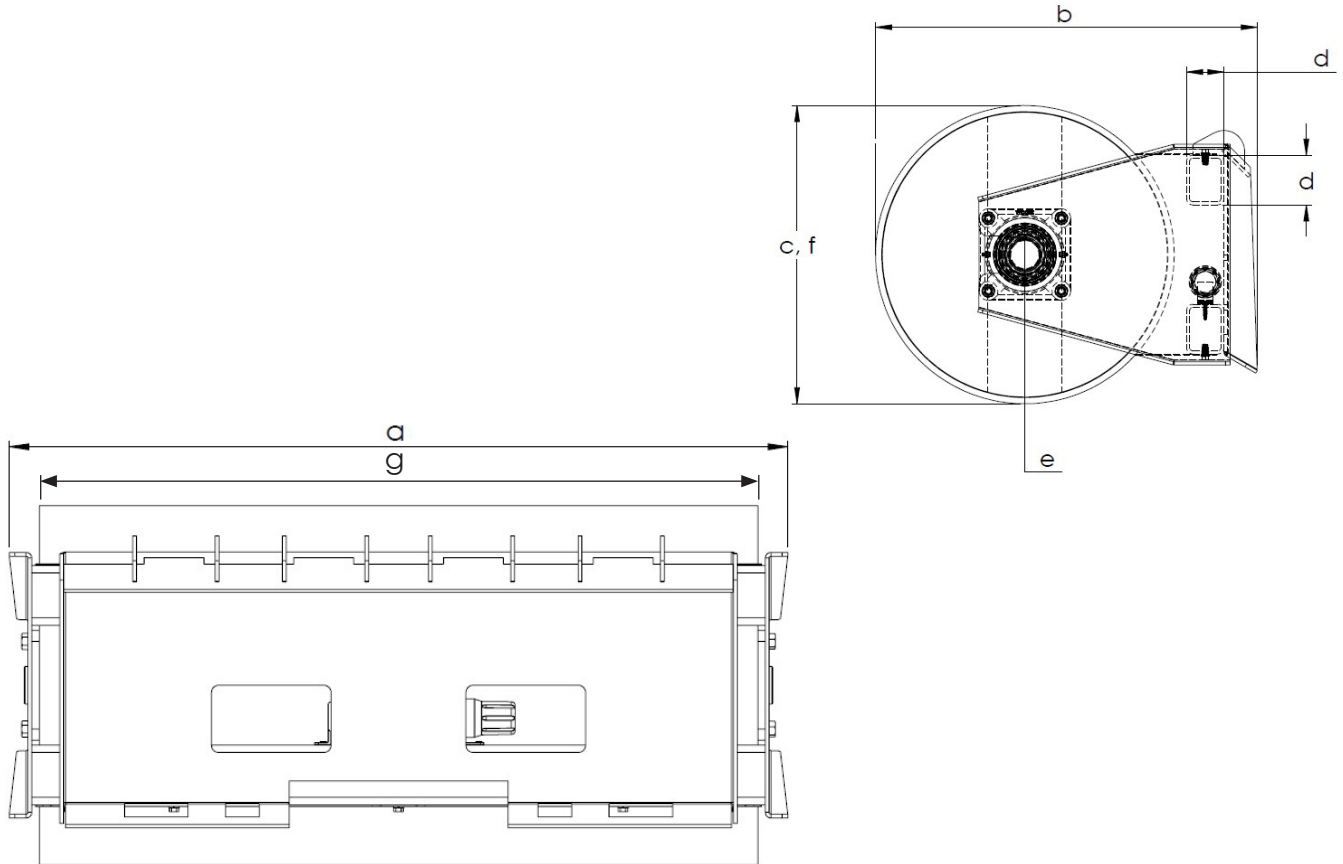
DATE	EMPLOYEE'S SIGNATURE	EMPLOYER'S SIGNATURE

Section 7: REFERENCE

For information not included here, or for a digital copy of this manual, please call your dealer, or Mandako directly for assistance (1-888-525-5892).

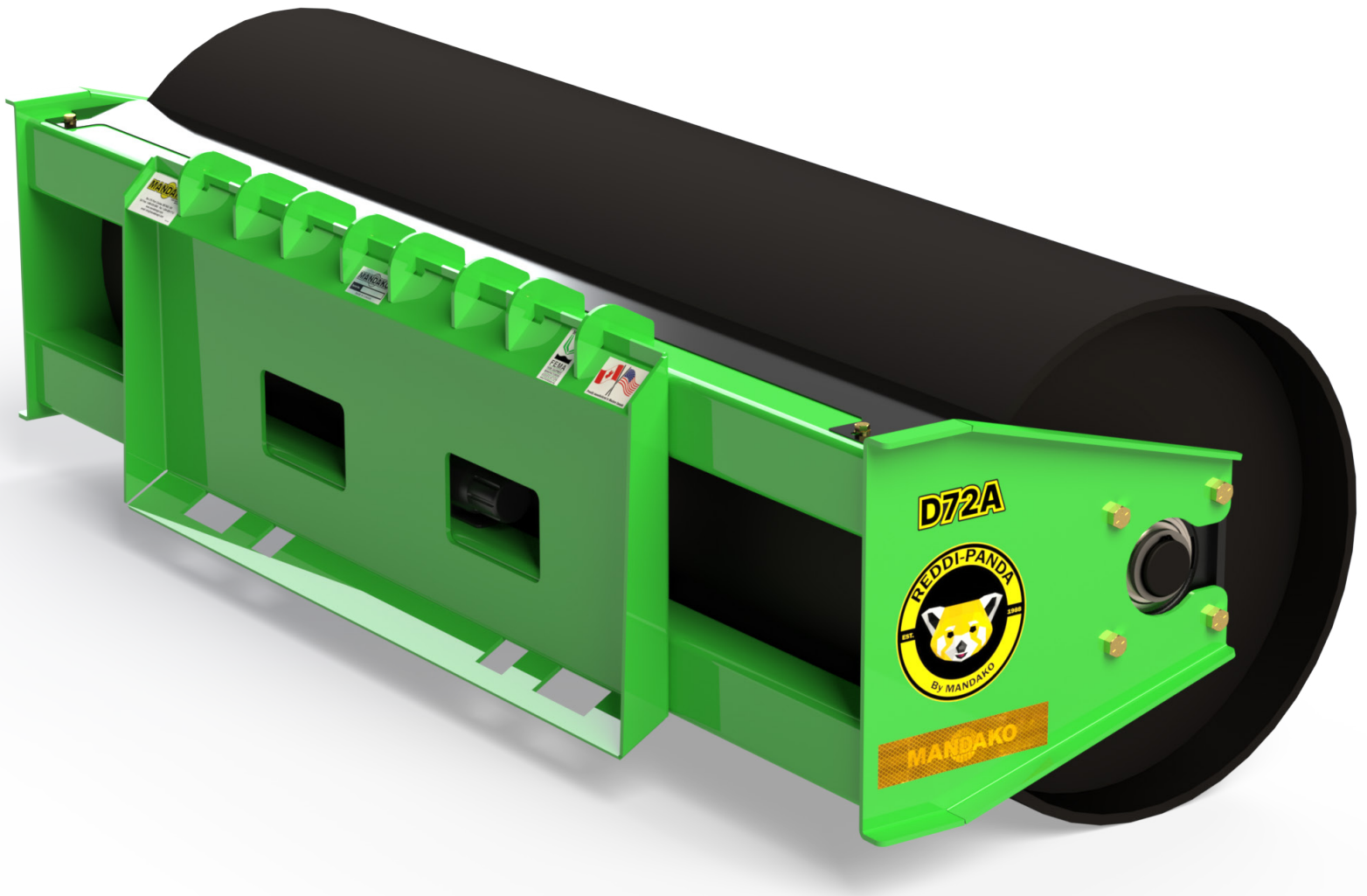
Specifications may change without notice.

7.1 MECHANICAL SPECIFICATIONS



REDDI-PANDA Skid Steer Roller Specs					
	LRD04	LRD05	LRD06	LRD07	LRD08
a) Width	52"	70"	77"	88"	100"
b) Length	30.75"	30.75"	30.75"	30.75"	30.75"
c) Height	24"	24"	24"	24"	24"
d) Frame Tubing	4" x 3"	4" x 3"	4" x 3"	4" x 3"	4" x 3"
Approximate Weights	865 lbs	1088 lbs	1175 lbs	1312 lbs	1461 lbs
e) Bearing ID	2.5"	2.5"	2.5"	2.5"	2.5"
f) Drum Diameter	24"	24"	24"	24"	24"
g) Working Width	48"	66"	73"	84"	96"

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REVISION: 1.0

PART #: R9912035

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