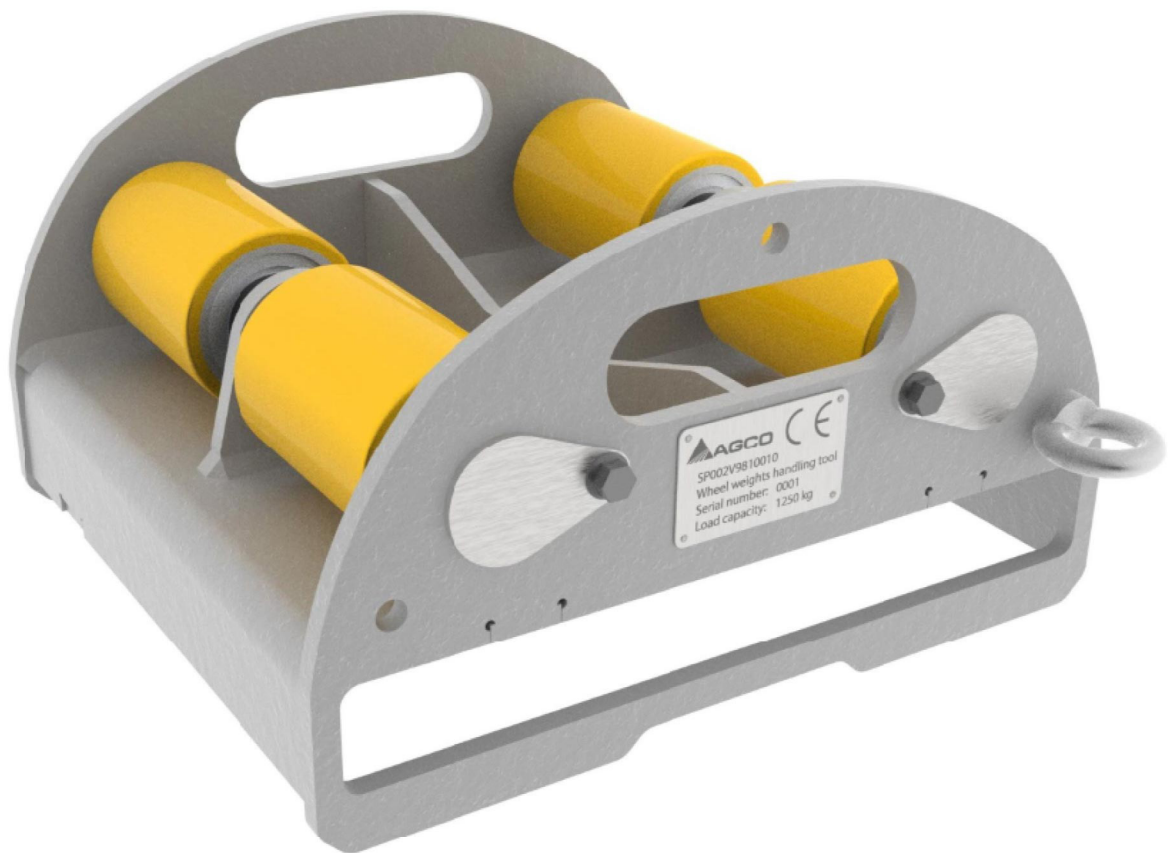


Wheel Weights Handling Tool

SP002V9810010

Wheel weight handling tool



How to use this manual

General

You must read this manual before you operate or do work on the machine.

If more assistance is necessary you should speak to your AGCO dealer.

This manual is only applicable to the models specified on the front cover.

Contents

For quick reference, there is an index at the back of the manual. The index lists the contents and the location in the manual. Each chapter starts with a table of contents which includes the different sections in that chapter.

Fastener torques

Always replace fasteners with fasteners of the same specification. Tighten all fasteners to the correct torque values.

You can find the list of torque values in the service manual or the assembly instructions of the machine. If the torque value is different, it is specified in the procedure.



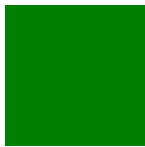


Special tools


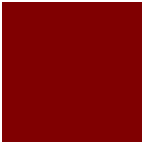



If it is necessary to use a special tool in a procedure, the tool identification is specified in the procedure.

Illustrations

The illustrations do not always show the same machine specification or machine configuration. The procedure is the same unless the instruction tells you differently.

The illustrations in this manual use a color system to help you follow the instruction correctly.

Color	Description	Functions
	Target/focus item The primary component in the step is this color.	Primary component, decal location, component location
	Connectors, fasteners All components that attach the primary component to a different component are this color.	Fasteners, electrical connectors
	Primary alternative If there are 2 primary components in the illustration, 1 of the 2 components is this color.	Secondary component
	Secondary alternative If there are 3 primary components in the illustration, 1 of the 3 components is this color.	Tertiary component
	Special tool Where the special tools or equipment are in an illustration, they are this color.	Pressure gauges, specified tools

Color	Description	Functions
	Parts that you move A component that you must move, and that is not necessary to remove from the machine.	Electrical wires, hydraulic hoses
	Sections Where a cross-section of a component is necessary, this color shows the component that you see through.	Engines, drivetrain
	Channels To show the flow of liquid in a channel.	Engines, drivetrain
	Temperature Where the temperature of liquid changes. <ul style="list-style-type: none"> • Blue - Cold • Red - Hot 	Coolant flow, water flow
	Pressure Where the pressure or state of gas changes. <ul style="list-style-type: none"> • Yellow - Low • Orange - High 	SCR system, hydraulic systems

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1 Safety

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1.1 Safety Icons

NOTE: *The use of the signal words DANGER, WARNING and CAUTION with the safety messages. The signal word for each message will use the structure that follows:*



DANGER: Danger

Shows data on a possible hazard that if you do not prevent death or injury will occur.



WARNING: Warning

Shows data on a possible hazard that if you do not prevent death or injury will occur, these will include hazards that occur when guards are not in position.

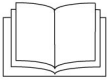


CAUTION: Caution

Shows data on a possible hazard that if you do not prevent can cause small or moderate injury or component or property damage.

NOTE: *This shows more data that can help.*

1.2 Safety instructions



Make sure that you have the Operator's Manual for the machine you are to install the kit to. Read and obey all safety instructions in the Operator's Manual of the machine before you continue with these instructions

If you do not obey the instructions, there is a risk of injury.

In most conditions you can prevent injuries if you see dangerous situations before an injury occurs.

The person that installs this kit must be an approved technician and have the necessary tools.

Do not change the equipment. An adjustment not specified by the manufacturer can change the function of the machine and cause damage or personal injury.

Only use AGCO approved replacement parts.



WARNING:
To prevent injury and machine damage, you must:

- Use the Personal Protective Equipment (PPE) applicable to the task.
 - Eye protection
 - Hand protection
 - Foot protection
 - Ear protection.
- Park the machine on a solid level surface.
- Disengage the PTO, if installed.
- Set the transmission to park and apply the parking brake.
- Set the control console to OFF.
- Stop the engine and remove the key.
- Look and listen! Wait for the parts that move to stop before you start the work.
- Put wheel chocks in front of and behind the wheels before you do work on or below the machine.
- Remove or release all sources of energy, for example:
 - Disconnect the battery.
 - Release of pressure from a system.
 - Lock the parts that move.
- Clean the oil, dirt, and crop material from the area on the machine where you do the work.

Good safety procedures prevent accidents to you and each person near you.

1.3 Waste disposal

Incorrect disposal of waste can cause pollution to the environment. Some examples of dangerous waste materials include oil, fuel, coolant, battery chemicals and air-conditioning refrigerant.

- Only use an approved container to collect the waste material. Always seal the container after you drain the fluids.
- Do not drain or spill waste on the ground, down a water drainage system or into water sources.
- Air-conditioning refrigerant released into the air can cause damage to the environment. The local regulations recommend that only an approved technician removes and recycles the air-conditioning refrigerant.
- Obey pollution laws.
- Speak with the local authorities on the correct procedure to discard of the waste.

Recycling centres or approved dealers have the correct equipment for the disposal of used oil.

Do not discard material with this symbol in the general waste.

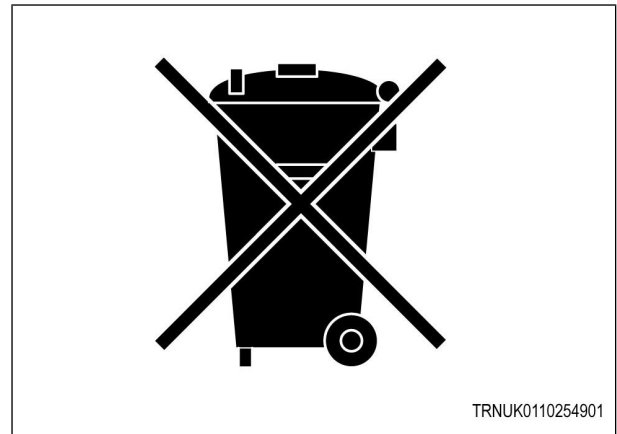


Fig. 1

Recycle used materials with this symbol.

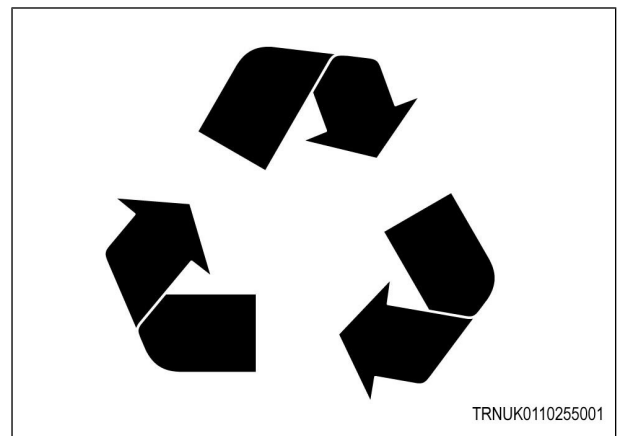


Fig. 2

2 Maintenance and storage

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2.1 Maintenance

- Clean the tool before and after use. A dirty tool can be slippery which can be dangerous.
- Do a check of the tool before you use the tool. Do not use the tool if it is unserviceable. Make sure all of the components are serviceable.
- The components of the tool must be lubricated regularly with grease. Regular maintenance keeps the tool serviceable for a longer period of time.

2.2 Storage

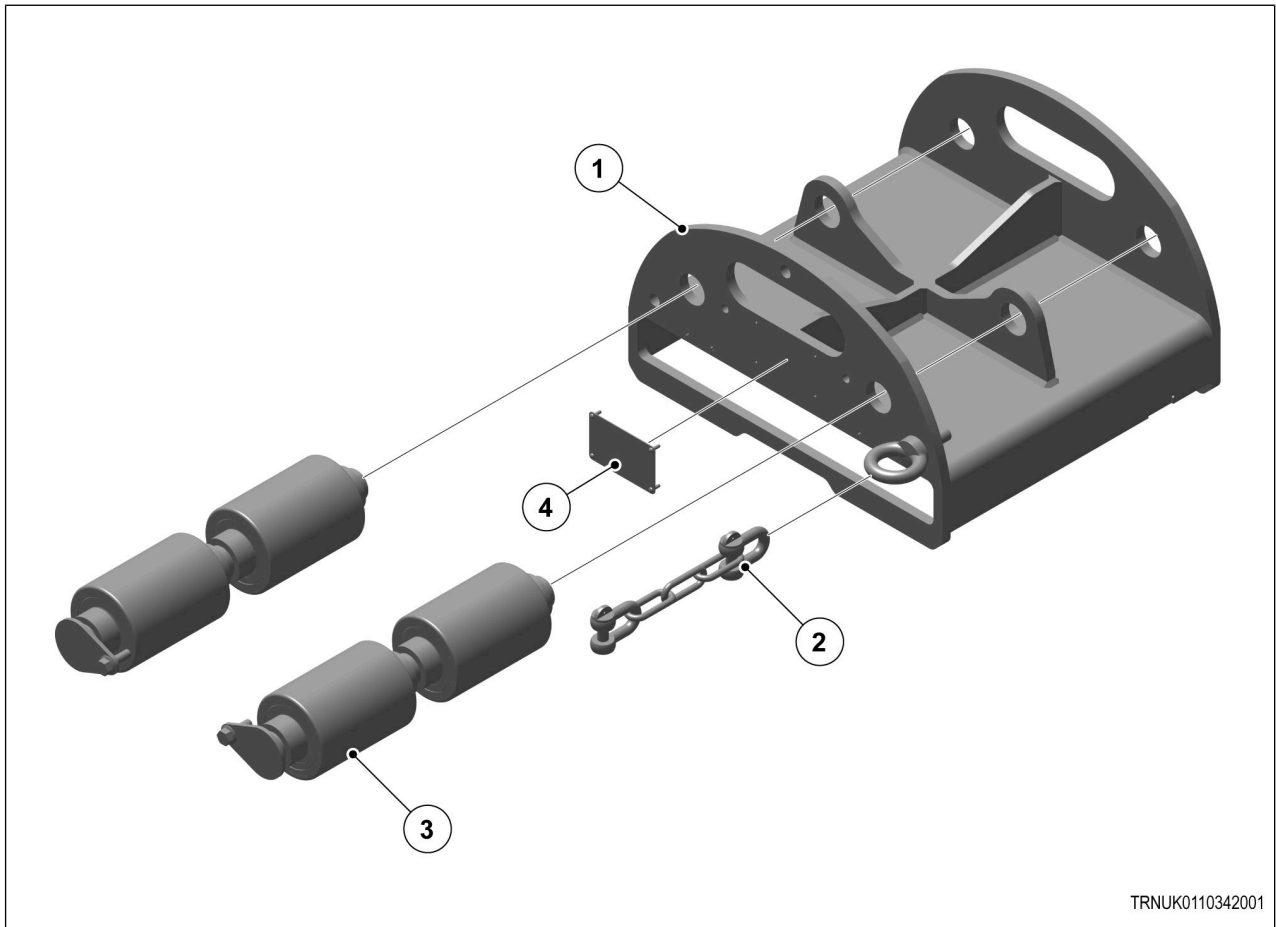
IMPORTANT: *Do not store the tool outside.*

Make sure that tool is stored correctly. The tool must be stored in a dry environment away from regular work areas. If it is possible, storing the tool in a dust free environment helps the serviceability and maintenance of the tool.

3 Introduction

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3.1 Bill of Materials



TRNUK0110342001

Fig. 1

	Description	Quantity
1	Chassis of the tool	1
2	Safety hook and chain	1
3	Roller	4
4	Type plate	1

3.2 Type Plate and Inspection sticker

Type plate

- (1) Part number
- (2) Title of the tool
- (3) QR code (Link to the product web page)
- (4) Maximum load rating (1250 kg)
- (5) Serial number



Fig. 2

Inspection sticker



WARNING:
 Never use a tool that is untested or has not had its routine inspection.

- The tool needs to be inspected regularly.
- The inspection must align with the local regulations.
- A new sticker must be applied after the inspection.

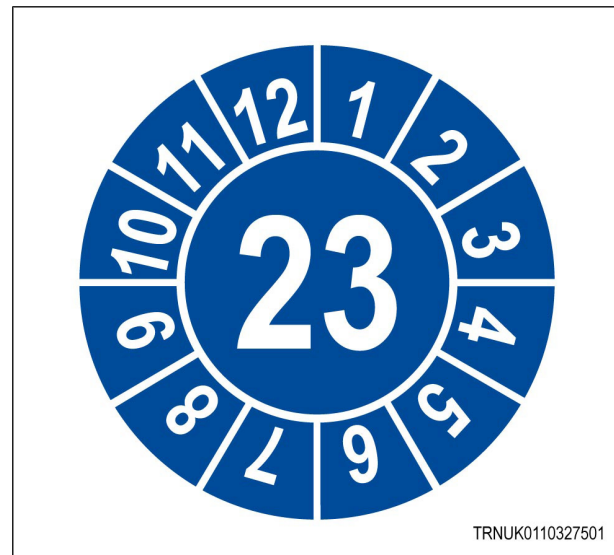


Fig. 3

3.3 Intended use

Only use the lifting device for removing and installing wheel weights. For each application, ensure that you insert the device into the respective wheel weight by at least the weight width + 10 mm. This lifting device was specially developed for the following AGCO wheel weights.

Part number	Weight	Width
334800040020	200 kg	120 mm
954800040030	300 kg	135 mm
954800040061	600 kg	205 mm
530800040080	650 kg	180 mm
530800040070	1000 kg	251 mm
530800040050	1250 kg	235 mm

There is no guarantee that you can use this device to handle other wheel weights that are not listed in an accident-proof manner.

4 Operation

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4.1 Preparation

4.1.1 Install the wheel weight tool safely on to the forks



WARNING: Heavy components.

Incorrect movement of heavy items can cause death or injury.

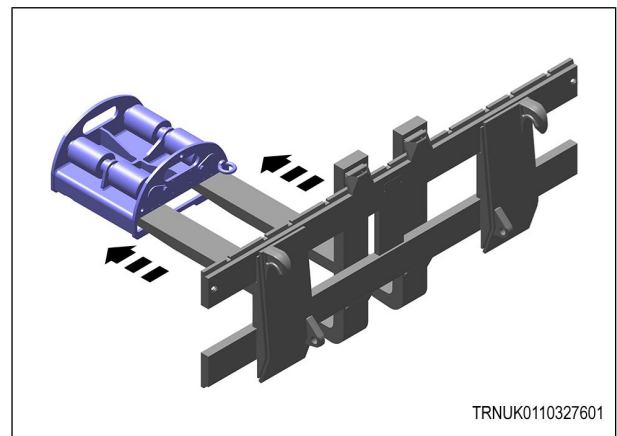
Use the applicable equipment and points to lift or hold the machine and heavy items during procedures.

Before starting the procedure

- Get a fork lift truck.
- For safe and comfortable handling of the wheel weight tool, always use a flat and solid surface.

Procedure

1. **NOTE:** *If the forklift truck has hydraulic width adjustment, make sure there is no tension when you lift the wheel weight tool. Make sure that the forks are not touching the sides of the wheel weight tool. The free space between the sides of the wheel weight tool and the forks will help align the tool.*
Put the forks of the fork lift truck fully into the front side of the tool.



TRNUK0110327601

Fig. 1

2.

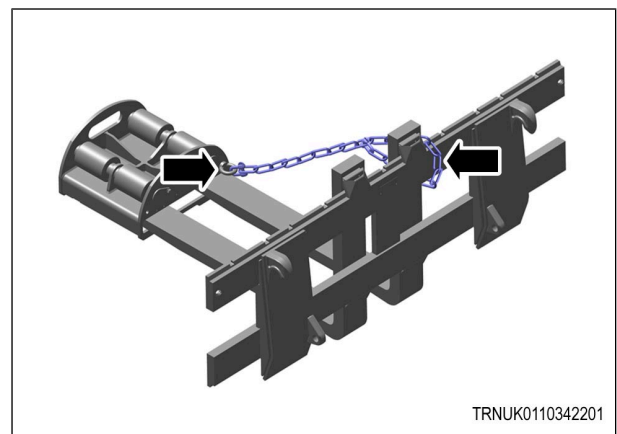


WARNING:

The installed chain must be taught to prevent the movement of the tool on the forks.

Use the chain and hook to secure the tool to the fork lift truck.

3. Do a check of the chain and hook. Make sure that the chain and hook are correctly installed to the fork lift truck and the chain is taught.
4. Operate the fork lift truck to lift the tool.



TRNUK0110342201

Fig. 2

4.2 Use of the lift tool

4.2.1 Remove the wheel weight from the machine

Before starting the procedure

To prevent damage to the tire valve, make sure that the tire valve is at the top of the wheel.

Procedure

1. Do a check to make sure the forks on the fork lift truck are level.
2. Keep the forks level and slowly install the tool in the centre of the wheel weight.

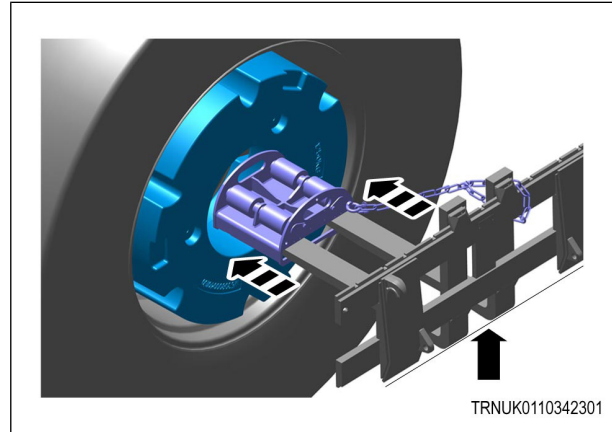


Fig. 3

3. Make sure that the tool is fully installed.
4. Slowly raise the forks on the fork lift truck. Make sure that only the rollers engage with the wheel weight.

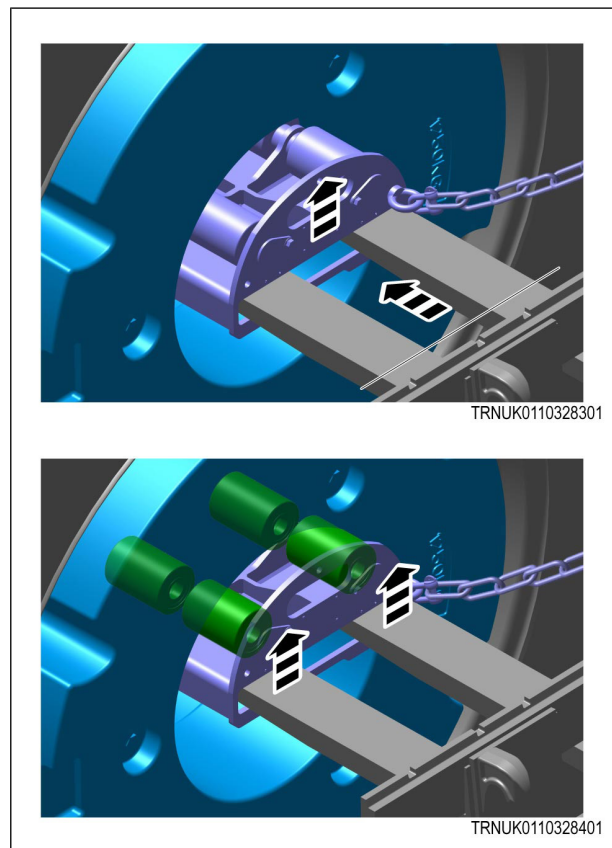


Fig. 4

5. Remove the 3 fasteners.

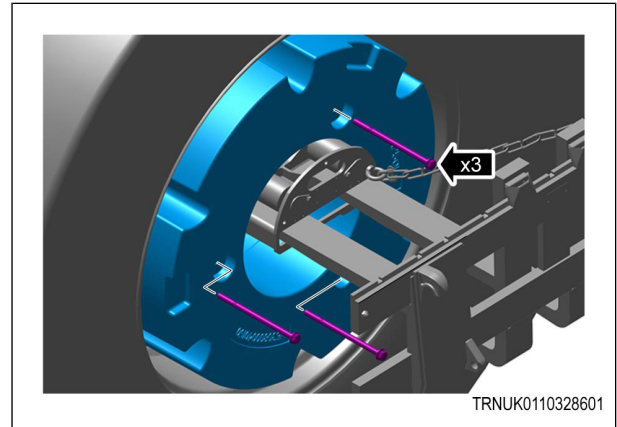


Fig. 5

- 6.



WARNING:
Make sure that the danger zones are clear before moving the wheel weight. Make sure that no person enters the danger zone.

Use the fork lift truck to carefully remove the wheel weight from the wheel.

7. Transport the wheel weight to the storage container.

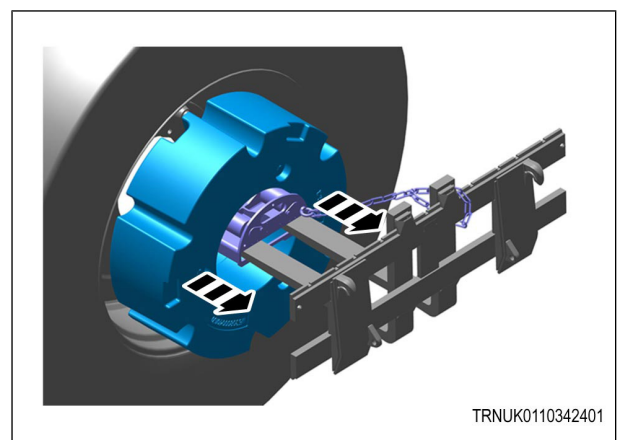


Fig. 6

8. Remove the 2 pins.
9. Remove the bar on the storage container.

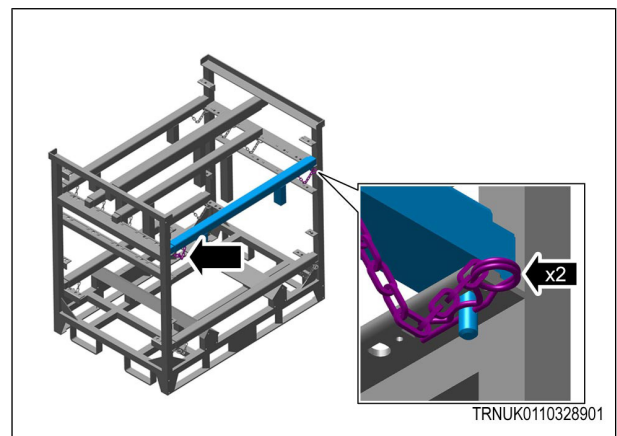


Fig. 7

10. **IMPORTANT:** Keep the tool installed to the wheel weight for steps 11 to 13.

Operate the forks to align the wheel weight with the storage container.

11. Put the wheel weight in the storage container.

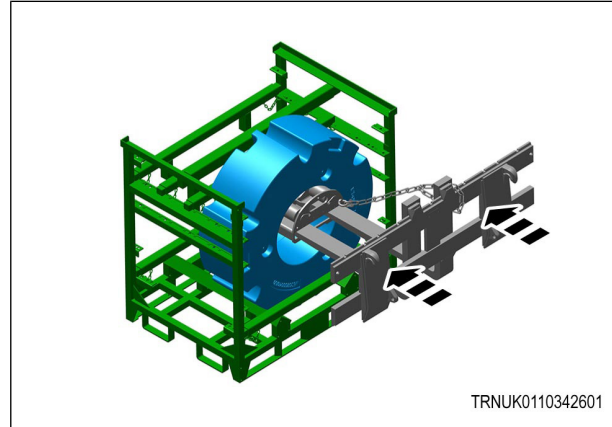


Fig. 8

- 12.



WARNING:
Do not operate the fork lift truck for this step.

Install and fasten the bar to the container.

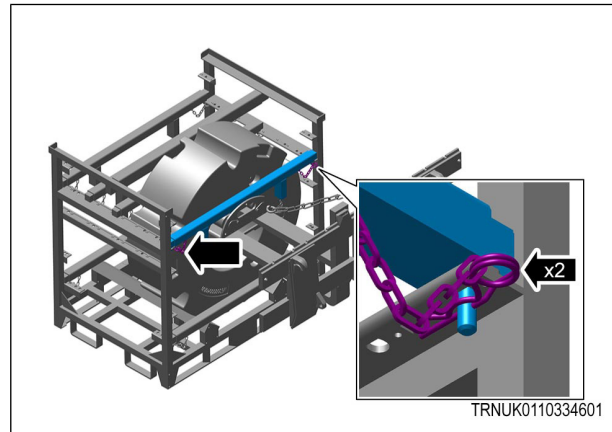


Fig. 9

13. Operate the fork lift truck to lower the tool to the centre of the wheel weight.
14. Reverse the fork lift truck to remove the tool from the wheel weight.

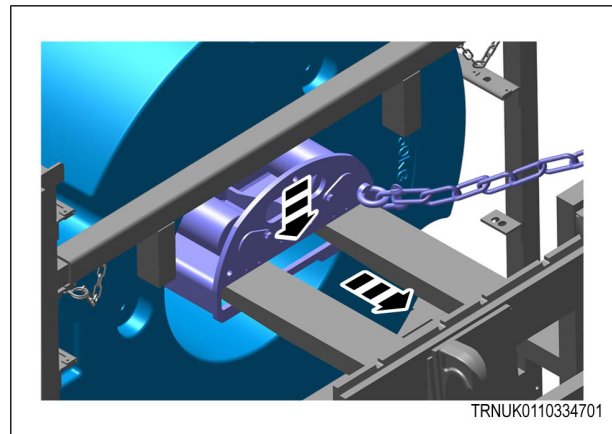


Fig. 10

After finishing the procedure

- If it is necessary, do this procedure again to remove more wheel weights.
- Remove the wheel weight tool safely from the forks.

4.2.2 Install the Wheel Weight to the machine

Before starting the procedure

Install the wheel weight tool safely on the forks.

- Refer the maintenance manual of the machine. Get the correct torque figures for the wheel weight fasteners.
- Install the wheel weight tool safely on to the forks.

Procedure

- 1. IMPORTANT:** Make sure that the forks on the fork lift truck are level.

Use the fork lift truck to align the tool with the centre of the wheel weight.

- 2.** Install the tool to the wheel weight.
- 3.** Slowly raise the forks on the fork lift truck. Make sure that the rollers engage with the wheel weight.
- 4.** Remove the 2 pins and the bar from the storage container.

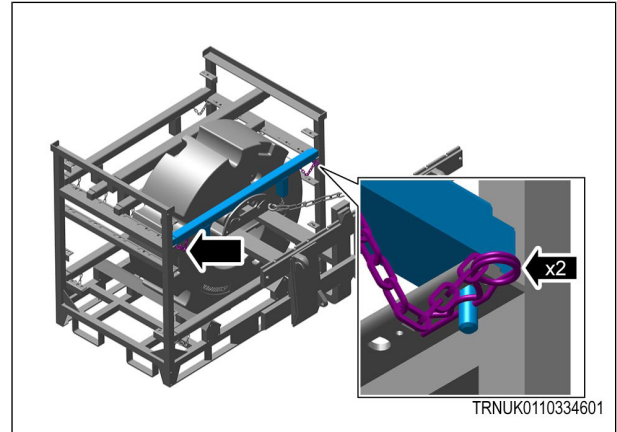


Fig. 11

- 5.**



WARNING:
Make sure that the danger zones are clear before moving the wheel weight. Make sure that no person enters the danger zone.

Use the fork lift truck to carefully lift the wheel weight from the storage container.

- 6.** Use the fork lift truck to carefully put the wheel weight near to the wheel.
- 7.** Engage the parking brake on the forklift truck.

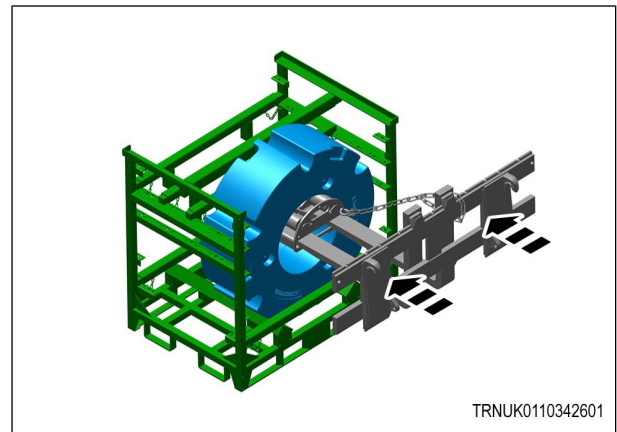


Fig. 12

8.

**WARNING:**

- Only do this work step when the parking brake of the forklift truck is engaged.
- Be very careful when rotating the wheel weights. There is a risk of trapping or crushing your fingers.
- When inserting the wheel weight, do not hit the wheel weight on the tire valve.
- When inserting the wheel weight, do not hit the wheel weight on the tire pressure control system.

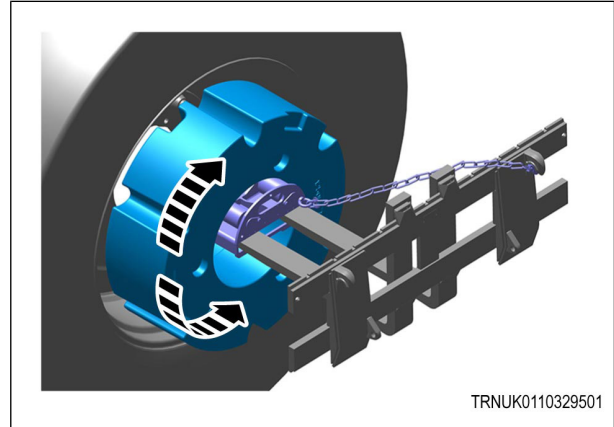


Fig. 13

Rotate the wheel weight to align the mounting holes in the wheel weight with the mounting holes in the wheel.

9. Install the wheel weight to the carrier in the rim of the machine.
10. Install the 3 fasteners.
11. Torque the 3 fasteners to the correct specification.

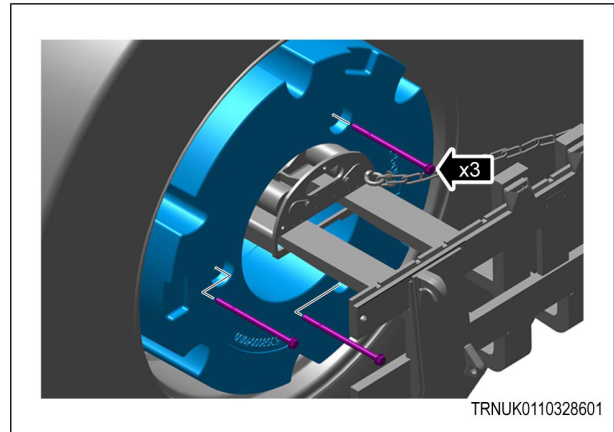


Fig. 14

12. Lower the forks of the forklift truck to disengage the tool from the wheel weight.
13. Reverse the fork lift truck to remove the tool from the machine.

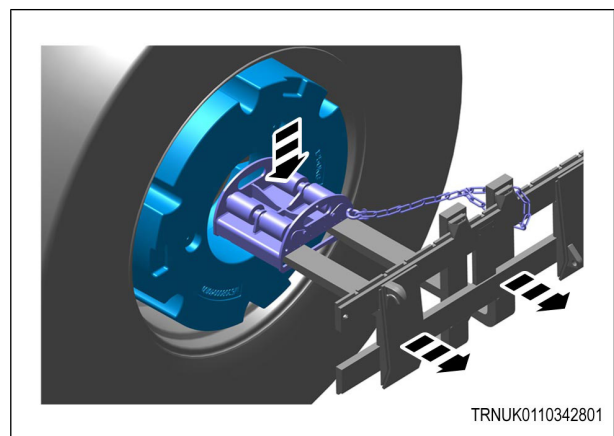


Fig. 15

After finishing the procedure

- If it is necessary, install the remaining wheel weights to the opposite side of the machine.
- Remove the wheel weight tool safely from the forks.

4.3 Operation complete

4.3.1 Remove the wheel weight tool safely from the forks

Procedure

1. Transport the tool to the correct storage location.
- 2.



WARNING:
Make sure that the danger zones
are clear before lowering the forks.

Lower the forks on the fork lift truck.

3. Remove the hook and chain from the fork lift truck.
4. Carefully reverse the fork lift truck away from the tool.

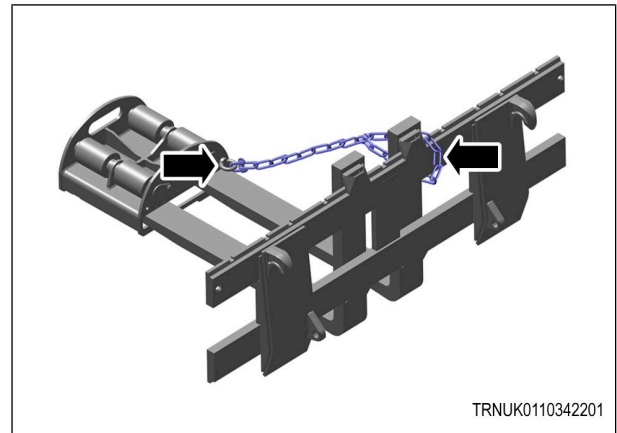


Fig. 16

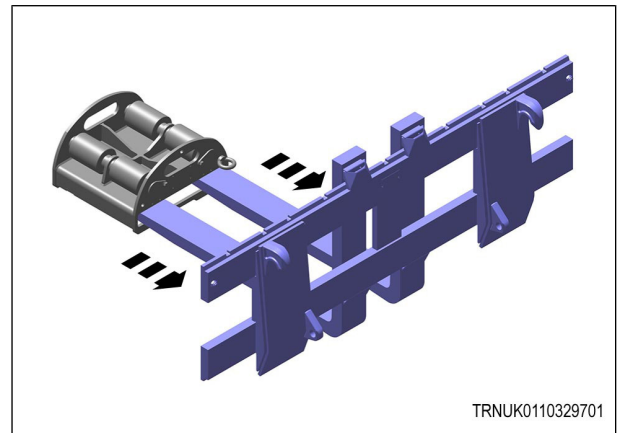


Fig. 17

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