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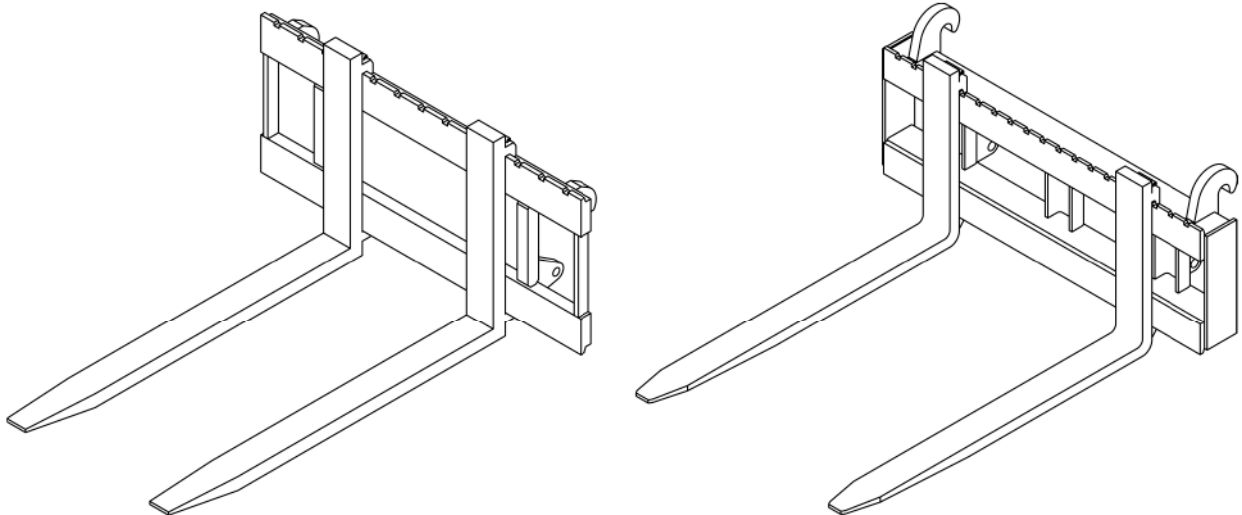
# **OPERATOR'S MANUAL**

## **FRONT LOADER IMPLEMENTS**

**TYPE OF ATTACHMENT: LC-1650; EURO; SMS; JCB**

## **PALLET FORK PRONAR 35WP / 35WP1 / WP-25E**

TRANSLATION OF THE ORIGINAL COPY OF THE MANUAL



EDITION 3A-02-2013

PUBLICATION NO 35N-26000000-UM





**PALLET FORK**

**PRONAR 35WP / 35WP1 / WP-25E**

**MACHINE IDENTIFICATION**

**TYPE:** .....

**SERIAL NUMBER:**

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# INTRODUCTION

Information contained herein is current at date of publication. As a result of improvements, some numerical values and illustrations contained in this publication may not correspond to the factual specification of the machine supplied to the user. The manufacturer reserves the right to introduce design changes in machines produced that facilitate operation and improve the quality of their work, without making minor amendments to this Operator's Manual.

This Operator's Manual is an integral part of the machine's documentation. Before using the machine, the user must carefully read this Operator's Manual and observe all recommendations. This guarantees safe operation and ensures malfunction free work of the machine. The machine is designed to meet obligatory standards, documents and legal regulations currently in force.

The manual describes the basic safety rules and operation of pallet fork. If the information contained in the Operator's Manual needs clarification then the user should refer for assistance to the sale point where the machine was purchased or to the Manufacturer.

## MANUFACTURER'S ADDRESS:

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## SYMBOLS APPEARING IN THIS OPERATOR'S MANUAL

Information, descriptions of danger and precautions and also recommendations and prohibitions associated with user safety instructions are marked:



and also preceded by the word "**DANGER**". Failure to observe the instructions may endanger the machine operator's or other person's health or life.

Particularly important information and instructions, the observance of which is essential, are distinguished in the text by the sign:



and also preceded by the word "**ATTENTION**". Failure to observe the instructions may lead to damage to the machine as a result of improper operation, adjustment or use.

In order to focus the user's attention on the need to perform maintenance, the relevant section of the Operator's Manual is marked with the pictogram:



Additional tips and advice for machine operation are marked:



and also preceded by the word „**TIP**”.

## DIRECTIONS USED IN THIS OPERATOR'S MANUAL

Left side — side to the left hand of the operator facing in the direction of machine's forward travel.

Right side — side to the right hand of the operator facing in the direction of machine's forward travel.

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## EC DECLARATION OF CONFORMITY OF THE MACHINERY

PRONAR Sp. z o.o. declares with full responsibility, that the machine:

Description and identification of the machinery			
Generic denomination and function:	<b>Pallet fork</b>		
Type:	<b>35WP</b>	<b>35WP1</b>	<b>WP-25E</b>
Model:	—	—	—
Serial number:			
Commercial name:	<b>Pallet fork PRONAR 35WP</b> <b>Pallet fork PRONAR 35WP1</b> <b>Pallet fork PRONAR WP-25E</b>		

to which this declaration relates, fulfills all the relevant provisions of the Directive **2006/42/EC** of The European Parliament and of The Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (Official Journal of the EU, L 157/24 of 09.06.2006).

The person authorized to compile the technical file is the Head of Research and Development Department at PRONAR Sp. z o.o., 17-210 Narew, ul. Mickiewicza 101A, Poland.

This declaration relates exclusively to the machinery in the state in which it was placed on the market, and excludes components which are added and/or operations carried out subsequently by the final user.

Narew, the 2011 -03- 24

Place and date

Z-CIA DZIEKTORA  
d/s technicznych  
członek zarządu

*Roman Orzechowski*

Full name of the empowered person  
position, signature

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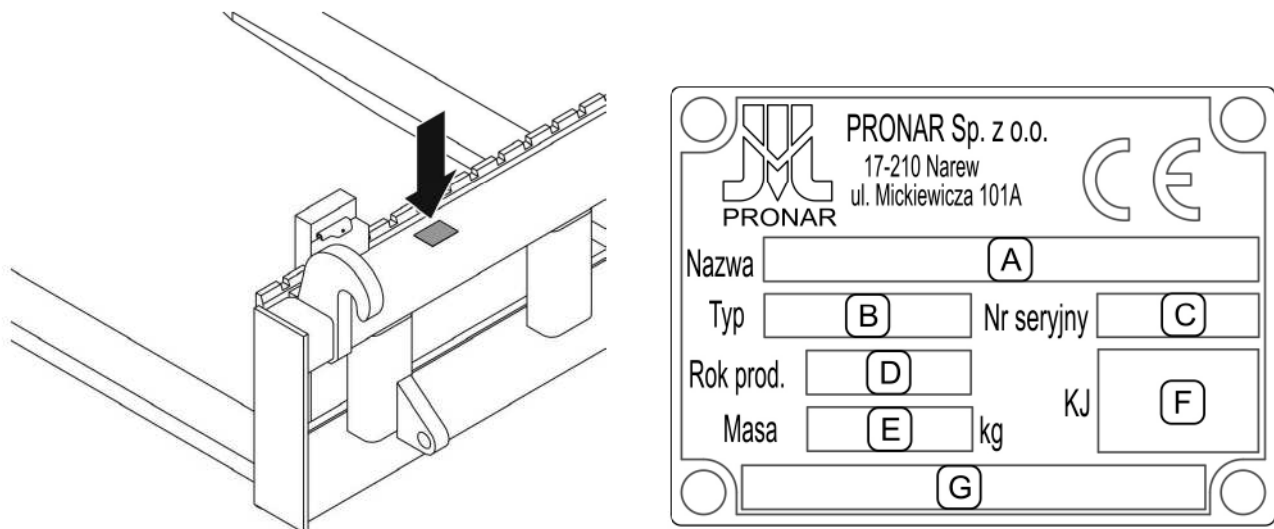
***SECTION***

**1**

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**BASIC INFORMATION**

## 1.1 IDENTIFICATION



**FIG. 1.1 Location of the data plate**

Meaning of data plate items (**Błąd! Nie można odnaleźć źródła odwołania.**):

- A - machine name
- B – type,
- C – serial number
- D – year of manufacture
- E – machine tare weight [kg]
- F – Quality Control stamp
- G – Unfilled box or extension of name (box A)

The factory number is stamped into the data plate and on mounting base beside the data plate. The rating plate is located on the top bar of the frame (**Błąd! Nie można odnaleźć źródła odwołania.**). When buying the machine, confirm that the serial number on the machine corresponds to the number indicated in the *WARRANTY BOOK*, in the sales documents and in the *OPERATOR'S MANUAL*.

## 1.2 PROPER USE

Implement covered by this manual is designed for the LC-1650 front loaders. Loaders equipped with a EURO, SMS and JCB2CX backhoe attachment system. Pallet fork is used for loading and unloading pallets and crates. After applying a special gripper (*CK or CKE*), the fork can be used to load wood logs (*applicable only to 35WP and 35WP1 forks*). The fork can be used for transport of these materials for only short distances. Use for other purposes should be regarded as improper.

Using it as intended also involves all actions connected with the safe and proper operation and maintenance of the machine. Due to the above, the user is obliged to:

- carefully read the *OPERATOR'S MANUAL* and comply with its recommendations,
- understand the machine's operating principle and how to operate it safely and correctly,
- comply with general safety regulations while working,
- prevent accidents,
- comply with road traffic regulations.

The machine may only be used by persons, who:

- are familiar with the contents of this publication and with the contents of the carrying vehicle Operator's Manual
- have been trained in machine operation and safe working conditions,
- have the required driving licence.

**IMPORTANT!**

The implement must not be used for purposes other than those for which it is intended, in particular:

- for transporting people and animals,
- using the machine to transport and trans-ship any materials other than those listed in the manual.

**TAB. 1.1 Front loader requirements**

	UNIT	REQUIREMENTS
Implement attachment system	- - - -	EURO ( <i>applies to 35WP1 and WP-25E forks</i> ) SMS ( <i>applies to 35WP forks</i> ) LC-1650 ( <i>applies to 35WP forks</i> ) JCB2CX ( <i>applies to WP-25E forks</i> )
The implement hydraulic control system	-	NO

## 1.3 OPTIONAL EQUIPMENT

The implement includes:

- Operator's Manual
- Warranty Book

## 1.4 TERMS & CONDITIONS OF WARRANTY

PRONAR Sp. z o.o., Narew guarantees the reliable operation of the machine when it is used according to its intended purpose as described in the *OPERATOR'S MANUAL*. Defects discovered during the warranty period will be removed by the Warranty Service. The repair period is specified in the *WARRANTY BOOK*.

The warranty does not apply to those parts and sub-assemblies of the machine, which are subject to wear in normal usage conditions, regardless of the warranty period.

The warranty service only applies to factory defects and mechanical damage that is not due to the user's fault.

In the event of damage arising from:

- mechanical damage which is the user's fault, caused by road accidents,
- by inappropriate use, adjustment or maintenance, use of the machine for purposes other than those for which it is intended,
- use of damaged or malfunctioning machine,
- repairs carried out by unauthorised persons, improperly carried out repairs,
- making unauthorised alterations to machine design,

the user will lose the right to warranty service.

**TIP**

**Demand that the seller carefully and precisely fills out the *WARRANTY BOOK* and warranty repair coupons. A missing date of purchase or sale point stamp, may make the user ineligible for any warranty repair or refund.**

The user is obliged to report immediately on noticing any wear in the paint coating or traces of corrosion, and to have the faults rectified whether they are covered by the warranty or not. For detailed Terms & Conditions of Warranty, please refer to the *WARRANTY BOOK* attached to each machine.

Modification of the machine without the written consent of the Manufacturer is forbidden. In particular, do NOT weld, drill holes in, cut or heat the main structural elements, which have a direct impact on the machine operation safety.

## 1.5 TRANSPORT

The implement is ready for sale completely assembled and does not require packing. Packing is only required for the machine's technical documentation. Delivery is either by transport on a vehicle or independently, after being attached to a tractor.



### **DANGER**

**Do not transport the implement hung on the front loader on public roads.**

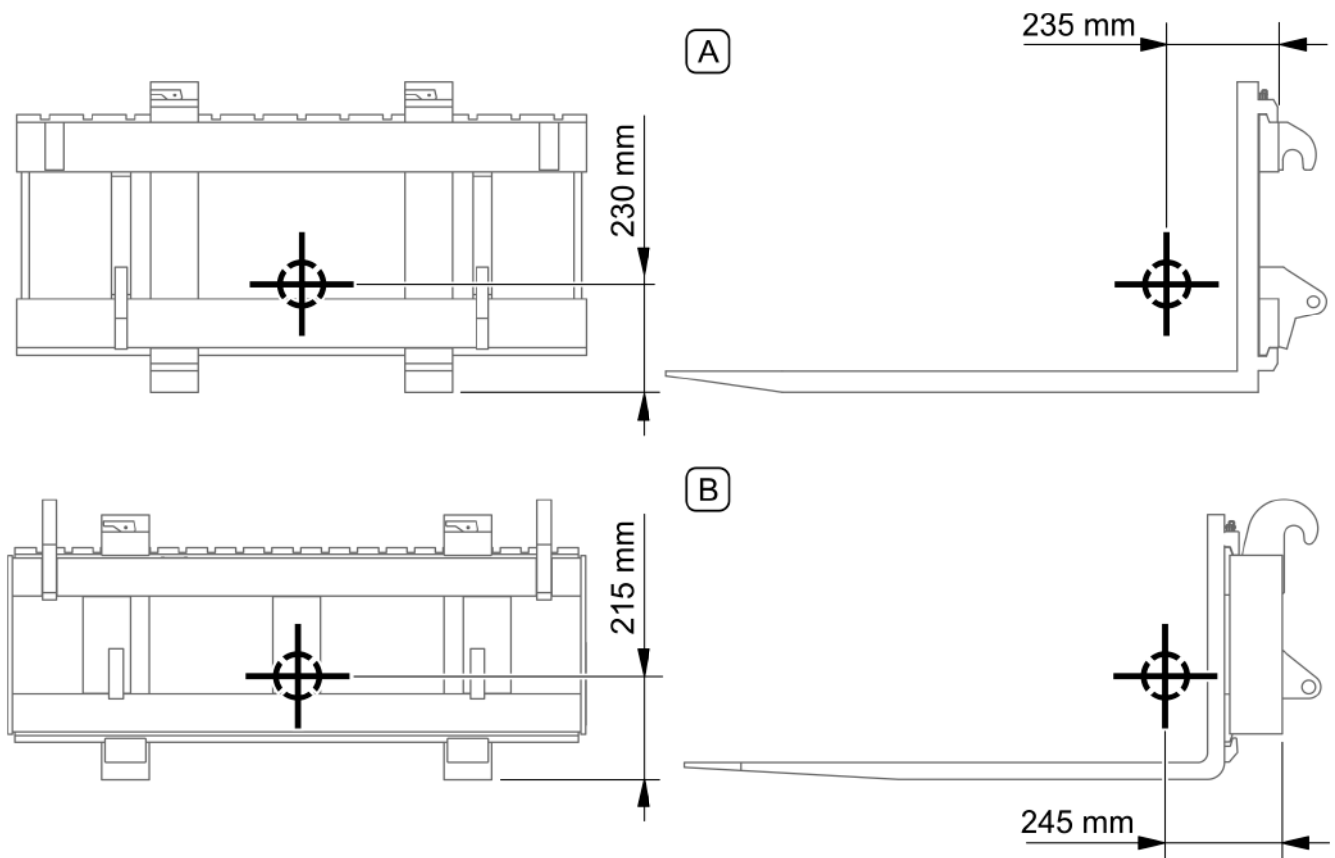
During road transport the implement should be secured on the carrier platform by certified belts or chains fitted with pulley.



### **DANGER**

**When being transported on a motor vehicle the machine must be mounted on the vehicle's platform in accordance with the transport safety requirements. The driver of the vehicle should take particular care while transporting the machine. This is due to the vehicle's centre of gravity shifting upwards when loaded with the machine.**

When loading and unloading the machine, comply with the general principles of workplace health and safety for reloading work. Persons operating reloading equipment must have the qualifications required to operate these machines.



**FIG. 1.2** Position of centre of gravity (symmetrical forks)

(A) - WP-25E Pallet forks, (B) - 35WP / 35WP1 Pallet forks



### ATTENTION!

The centre of gravity, depending on the implement model may vary within  $\pm 25$  mm from the values given above.

## 1.6 WITHDRAWAL FROM USE

In the event of decision by the user to withdraw the implement from use, comply with the regulations in force in the given country concerning withdrawal from use and recycling of machines withdrawn from use.

Pallet forks can be scrapped entirely because they are constructed only of steel and do not require disassembly before scrapping.





***SECTION***

**2**

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**SAFETY ADVICE**

## 2.1 BASIC SAFETY RULES

### 2.1.1 IMPLEMENT OPERATION

- Before use, the user must carefully read this Operator's Manual and the *WARRANTY BOOK*. When operating the machine, the operator must comply with the recommendations.
- The implement may only be used and operated by persons qualified to drive agricultural tractors and agricultural machines and trained in the use of the implement.
- If the information stated in the Operator's Manual is difficult to understand, contact a seller, who runs an authorised technical service on behalf of the manufacturer, or contact the manufacturer directly.
- Careless and improper use and operation of the implement, and non-compliance with the recommendations given in this operator's manual is dangerous to your health.
- Be aware of the existence of a minimal risk, and for this reason the fundamental basis for using this implement should be the application of safety rules and sensible behaviour.
- The implement must never be used by persons, who are not authorised to drive carrying vehicle, including children and people under the influence of alcohol or other drugs.
- Non-compliance with the safety rules of this Operator's Manual can be dangerous to the health and life of the operator and others.
- The implement must not be used for purposes other than those for which it is intended. Anyone who uses the machine other than the way intended takes full responsibility for himself for any consequences of this use. Use of the machine for purposes other than those for which it is intended by the Manufacturer may invalidate the warranty.
- The implement may only be used when all the protective elements and warning decals are correctly positioned and technically sound. In the event of loss or destruction of the safety guards, they must be replaced with new ones.

### **2.1.2 LINKING AND DISCONNECTING THE IMPLEMENT**

- Do NOT attach the implement to the front loader, if the attachment system of the implement is not compatible with the attachment system of the loader.
- Be especially careful when attaching implement to the loader.
- After completion of coupling the machine, check the safeguards. Carefully read the loader Operator's Manual.
- Loader carrying the implement must be in good working order and must comply with the requirements of the implement manufacturer.
- When linking, there must be nobody between the loader and the implement.
- Empty the implement before disconnecting from the loader.
- Exercise caution when disconnecting the implement.
- Implement disconnected from the loader must be placed on level, sufficiently hard surface in such a manner as to ensure that it is possible to attach it again.

### **2.1.3 TRANSPORTING THE MACHINE**

- Do not exceed maximum transport speed of 15km/h (i.e travel speed without load). Adjust your speed to the road conditions.
- Do not transport people and animals on the implement.
- For the duration of the transport trip protect the loader from accidental use.
- All travel back and forth during loading/unloading should be with the implement lowered down so that it does not obscure visibility, while not having any contact with the ground.
- Reckless driving and excessive speed may cause accidents.
- Do not drive on public roads with appliance implements mounted on loader.

### **2.1.4 MAINTENANCE**

- During the warranty period, any repairs may only be carried out by Warranty Service authorised by the manufacturer. It is recommended that necessary repairs to machine should be undertaken by specialised workshops.

- In the event of any fault or damage whatsoever, do not use the implement until the fault has been fixed.
- During work use the proper, close-fitting protective clothing, gloves and appropriate tools.
- Any modification to the implement frees PRONAR from any responsibility for damage or detriment to health, which may arise as a result.
- Before undertaking any work on the implement, turn off carrying vehicle engine.
- Do NOT perform service or repair work under raised and unsupported implement.
- Servicing and repair work should be carried out in line with the general principles of workplace health and safety. In the event of injury, the wound must be immediately cleaned and disinfected. In the event of more serious injuries, seek a doctor's advice.
- Repair, maintenance and cleaning work should be carried out with the carrying vehicle's engine turned off and the ignition key removed. Immobilise carrying vehicle with parking brake. Ensure that unauthorised persons do not have access to the cab.
- Do NOT weld, drill holes in, cut or heat the main structural elements, which have a direct impact on the machine operation safety.
- In the event of work requiring the implement to be raised, use properly certified lifts. After lifting the implement, stable and durable supports must also be used.
- The implement must not be supported using fragile elements (bricks or concrete blocks).
- In order to reduce the danger of fire the implement must be kept in a clean condition.

### **2.1.5 OPERATING THE IMPLEMENT**

- Before starting the machine, make sure that there are no bystanders (especially children) or animals in the danger zone. The machine operator is obliged to ensure proper visibility of the machine and the working area.
- Before starting work, the user must carefully acquaint himself with the workplace and its surroundings.

- During implement operation do not occupy a different position than that of the operator in the vehicle's cab. Do NOT leave the cab, when the machine is in operation.
- Do NOT stand within the implement's working zone.
- The front loader and implement may not be fitted with lifting slings or used for loading, unloading and mounting work with such equipment, which does not guarantee the safety of employees in the vicinity of work.
- Keep a safe distance from overhead electric power lines during work with raised implement.
- Do not exceed the maximum working speed of 6 km/h.
- Load on or in fittings shall be spread evenly.
- Do not work with front loader with the implement set vertically downwards.
- Do not raise load to extreme height on gradients or slopes. Take note of uneven terrain and its load bearing capacity.
- Do not transport or load and unload materials for which the implement is not designed.
- When driving with loads do not make sharp turns or brake suddenly.
- When driving with load, braking distance is increased, therefore be particularly careful when travelling on gradients or slippery surfaces.
- Do not leave raised and unsecured implement. When parked, the implement should be lowered.
- Before using the implement always check its technical condition, especially in terms of safety. In particular, check the condition of the fasteners.

## 2.2 DESCRIPTION OF MINIMAL RISK

Pronar Sp. z o. o. in Narew has made every effort to eliminate the risk of accidents. There is, however, a certain minimal risk, which could lead to an accident, and this is connected mainly with the actions described below:

- using the implement for purposes other than those for which it is intended,
- being between the carrying vehicle and the implement while the engine is running and when the implement is being attached,
- being on the implement while the engine is running,
- operating the implement with the safety guards faulty or removed,
- not maintaining safe distance from the danger zone or being within the zones while the implement is operating,
- operation of the implement by persons under the influence of alcohol,
- cleaning, maintenance and technical checks when carrying vehicle is connected and engine is running.


The minimal risk may be kept to a minimum by following the recommendations below:

- prudent and unhurried operation of the implement,
- sensible application of the remarks and recommendations stated in the Operator's Manual,
- carrying out repair and maintenance work in line with operating safety rules,
- carrying out repair and maintenance work by persons trained to do so,
- using close fitting protective clothing,
- ensuring unauthorised persons have no access to the carrying vehicle or the implement, especially children.
- maintaining safe distance from forbidden or dangerous places
- a ban on being on the implement when it is operating,

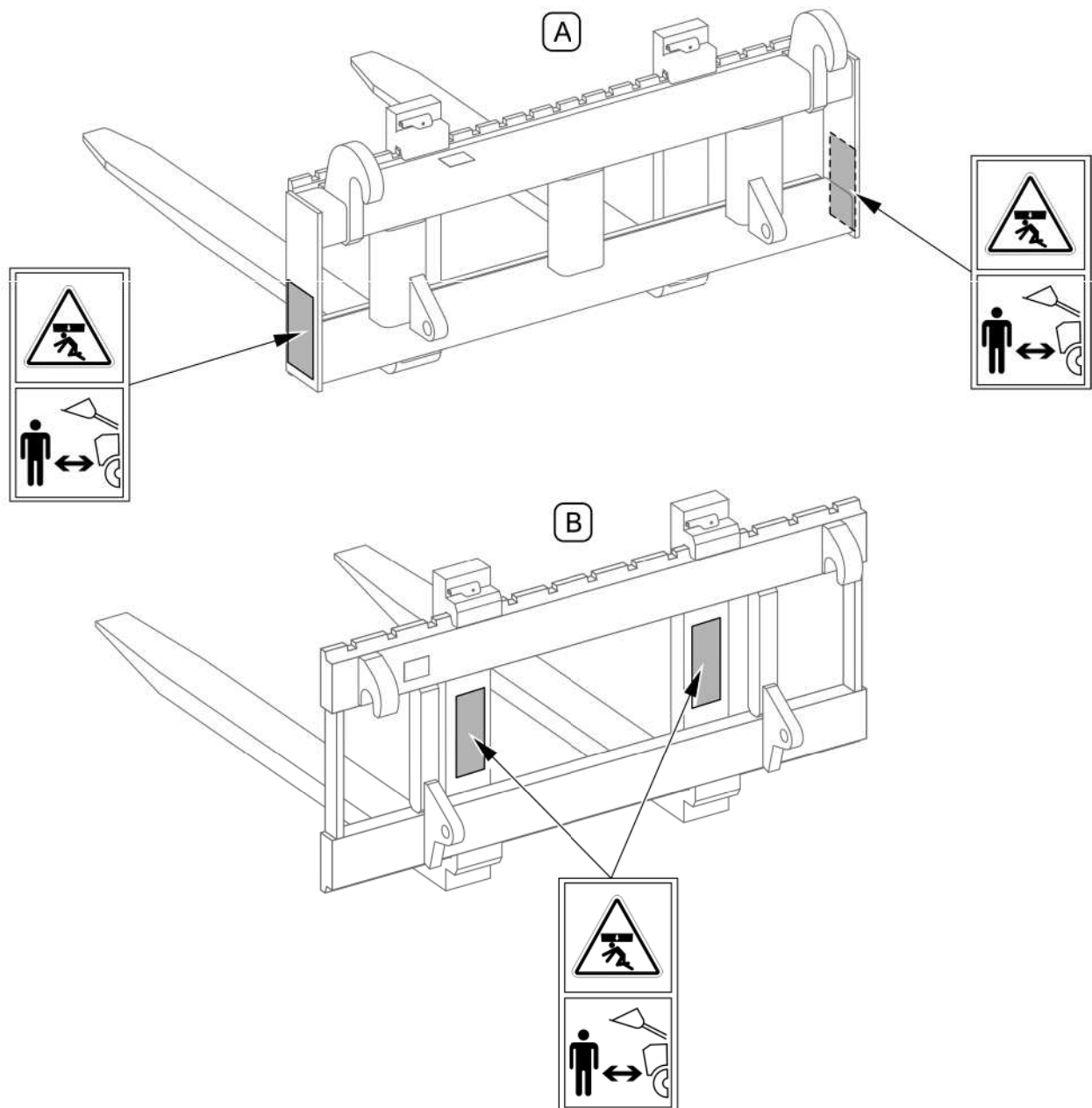
## 2.3 INFORMATION AND WARNING DECALS

All signs should always be legible and clean, visible to the operator and also to persons possibly being in the vicinity of the machine in operation. If any safety sign is lost or illegible, it should be replaced with a new one. All elements having safety signs replaced during repairs should be affixed with these signs. Safety signs and decals may be purchased from the Manufacturer or the Seller.

**TAB. 2.1** Information and warning decals

SYMBOL	DESCRIPTION
	Keep a safe distance from raised ram or the implement. Danger of crushing

*Arrangement of warning decals is shown on FIG. 2.1.*



**FIG. 2.1** Arrangement of warning decals

(A) - 35WP / 35WP1 pallet forks; (B) - WP-25E pallet forks;

Meaning of symbols (TAB. 2.1)



*SECTION*

**3**

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**DESIGN AND  
OPERATION**

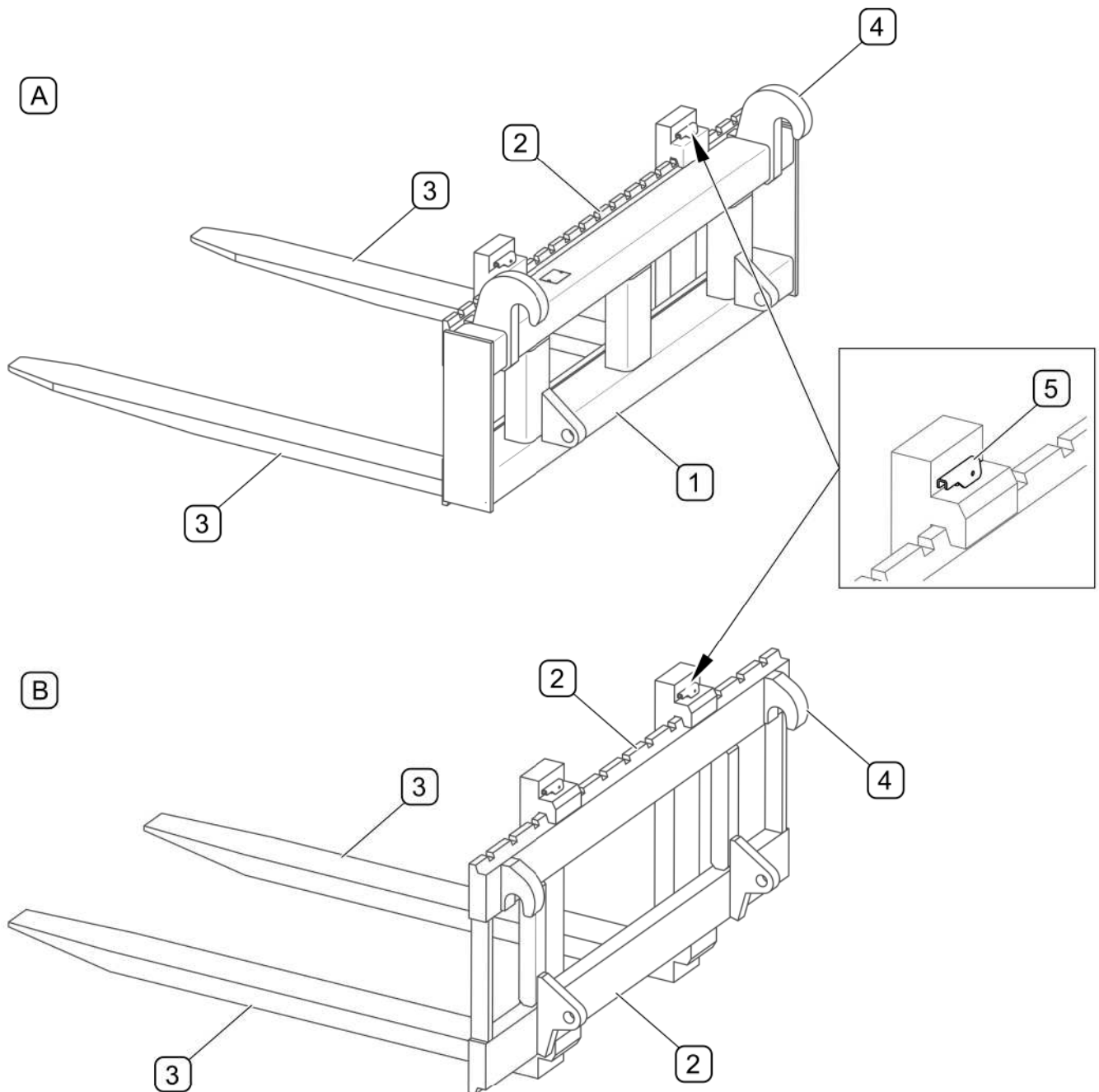
## 3.1 TECHNICAL SPECIFICATION

**TAB. 3.1 BASIC TECHNICAL SPECIFICATION**

	Unit					
Name	-	Pallet fork				
Model	-	35WP1	35WP		WP-25E	
Lift capacity	kg	1,650			2,500	
Bracket (carriage) class according to ISO 2328	-	2A			3A	
Width	mm	1,200			1,200	
Height	mm	590			655	
Length	mm	1,350			1,390	
The depth of the pallet forks	mm	1,100			1,200	
Weight	kg	175			226	
Fork spacing	mm	120 ÷ 1080 (60 mm increments)			180 ÷ 1080 (90mm increments)	
Mounting method	-	EURO	SMS	LC-1650	JCB2CX	EURO

Level of noise emitted by machine does not exceed 70 dB(A)

## 3.2 GENERAL DESIGN



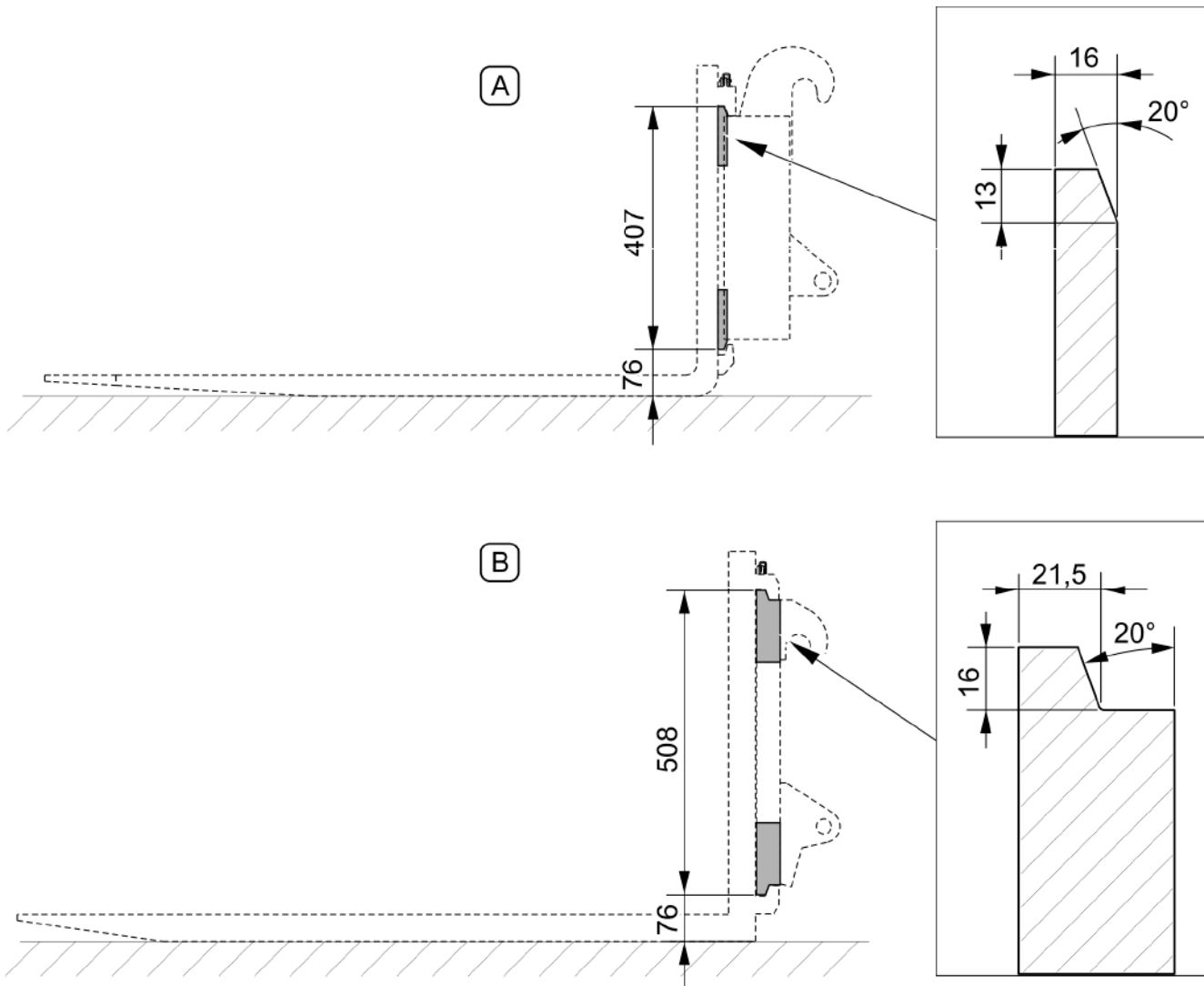
**FIG. 3.1 General design**

(A) - 35WP / 35WP1 pallet forks; (B) - WP-25E pallet forks; (1) - frame  
(2) - guides, carriage; (3) - Sliding forks, (4) - fastening element, (5) - sliding lock

The 35WP and 35WP1 pallet forks have a frame (1) equipped with the fastening elements (4) for attaching to the front loader. The guides (2), the so-called carriage, are welded to the frame for mounting two sliding forks (3). The forks spacing can be changed in increments of 60 mm, after unlocking the sliding lock (5).

In the WP-25E forks the fastening elements (4) are welded directly to the guide (2), the so-called carriage. Distance between forks (2) can be adjusted in increments of 90 mm.

Depending on the model pallet forks are provided with Class 2A guides to ISO 2328 (*pallet forks model 35WP / 35WP1*) or Class 3A (*pallet forks model WP-25E*).



**FIG. 3.2 Dimensions of guides (carriage) for attaching the forks to ISO 2328.**

(A) - Class 2A carriage (applies to 35WP / 35WP1); (B) - Class 3A carriage (applies to WP-25E)

*All dimensions given in millimetres [mm]*

***SECTION***

**4**

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**CORRECT USE**

## 4.1 PREPARING FOR WORK

### DANGER



Before using the implement the user must carefully read this Operator's Manual as well as that of the loader to which the implement is attached.

Careless and improper use and operation of the machine, and non-compliance with the recommendations given in this operator's manual is dangerous to your health and health of bystanders.

The machine must never be used by persons, who are not authorised to drive agricultural tractors (carrying vehicles), including children and people under the influence of alcohol or other drugs.

Before starting the carrying vehicle with the implement, make sure that there are no bystanders in the danger zone.

The manufacturer guarantees that the implement is fully operational and has been checked according to quality control procedures and is ready for use. This does not release the user from an obligation to check the implement's condition after delivery and before first use. The implement is delivered to the user completely assembled. Prior to connecting to the carrying vehicle, machine operator must verify the implement technical condition. In order to do this:

- the user must carefully read this Operator's Manual and observe all recommendations, understand the design and the principle of implement operation,
- check the compatibility of the implement attachment with the loader,
- check the condition of protective paint coat,
- Inspect machine's individual components for mechanical damage resulting from incorrect transport (dents, piercing, bent or broken components),
- inspect the condition of the loader fastening element.



### ATTENTION!

Non-adherence to the recommendations stated in the Operator's Manual may cause damage to the implement.

If all the above checks have been performed and there is no doubt as to the implement's good technical condition, it can be attached to carrying vehicle (see 4.2 *ATTACHING IMPLEMENT TO LOADER*)

In the event of a disruption in the operation of the machine immediately discontinue its use, locate and remove the fault. If a fault cannot be rectified or the repair could void the warranty, please contact the Manufacturer for additional clarifications.



### ATTENTION!

Check technical condition of the implement before each use. In particular, check the condition of the attachment to the loader.

## 4.2 ATTACHING IMPLEMENT TO LOADER

Implement can be attached to a loader meeting the requirements stated in table 1.1 *FRONT LOADER REQUIREMENTS*



### ATTENTION!

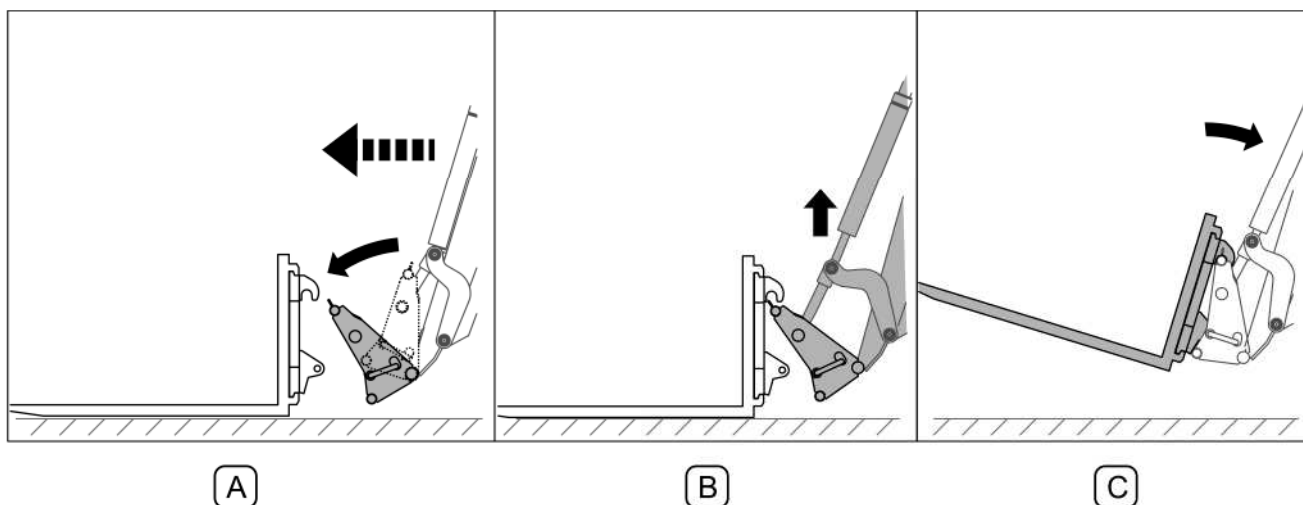
Before attaching the implement to the front loader, the user must carefully read the front loader and tractor (carrying vehicle) operator's manual.



### DANGER

When attaching, there must be nobody between the implement and the loader.  
Exercise caution when attaching the implement to loader.

Before attaching the implement to the loader, check the compatibility of the implement attachment with the front loader.



**FIG. 4.1** Hitching to front loader  
(A), (B), (C) - successive steps of attaching

To attach the implement to front loader (FIG. 4.1) proceed as follows:

- disengage the implement fastening mechanism in loader frame (*depending on the type of the loader*),
- lower arm and turn frame downwards (A) so that mounting points on mounting frame are below the mounting points of the implement;
- drive loader close to the implement and insert mounting points in the appropriate places in the loader mounting frame,
- lift arm (B), so that the upper mounting points are place in the implement hooks,
- while controlling the arm swivel the frame backwards (C), causing locking of the mounting mechanism (*depending on loader type*)
- check the mounting, engage the quick securing mechanism (*depending on loader type*).

The described method of attaching (FIG. 4.1) is indicative only and may vary depending on the loader model. A detailed method of connecting attachments is provided in front loader operator's manual.

## 4.3 OPERATING THE IMPLEMENT



### **DANGER**

**People or animals must not be carried in implements.**

**Persons must not be present within range of operating implement.**

**The loader implement is controlled from the operator cab.**

When operating loader with pallet forks, pay attention to the most beneficial positioning of means of transport or place of unloading in relation to place of loading. The distance should be chosen so that manoeuvring the loader would be by the shortest route. While driving with loaded implement the maximum permitted speed is 6 km/h with the lowest possible working implement position. Raising implement to the required height and completing work action may be made only at place of unloading.



**DANGER**

Do not carry people or animals in loader implement.

Persons must not be present within range of operating implement.

Avoid ruts, depressions, ditches or driving on roadside slopes. Driving across such obstacles could cause the carrying vehicle and the loader to suddenly tilt. Driving near ditches or canals is dangerous as there is a risk of the slope collapsing. Speed must be sufficiently reduced before making a turn or driving on an uneven road or a slope.

During tasks requiring higher precision it is recommended to use implement level indicator (*if present in the loader*).

**ATTENTION!**

Do not exceed permitted load of front loader, nor permitted loading of tractor front axle.

Do not exceed a maximum working speed of 6 km/h

If the loader is equipped with hydraulic suspension it is recommended to turn it off (*if available*) when operating pallet forks.

**IMPORTANT!**

Do not approach a load at high speed. Before lifting the load make sure it is stable. Stop at the centre of the load and then by driving forward place the load on the forks.

Example of operating loader with pallet forks:

- Check the required spacing of the forks and adjust if necessary. Deploy forks symmetrically.
- Drive up to the loading site with minimally elevated forks and position them in front of a pallet at the right height, parallel to the ground (*if available on the loader, use of an implement level indicator is recommended*).
- Insert forks in the appropriate place in the pallet by slowly driving forward, lift the load to a minimum height and tilt the forks back.
- Drive to the unloading site with the forks elevated to the minimum height. Do not swerve or brake suddenly.
- Position the forks with the load at the required height.

- Lower the forks with the load on the ground and withdraw forks from the pallet completely by reversing the tractor.
- Raise the forks to the minimum height and drive to the place of loading.

**IMPORTANT!**

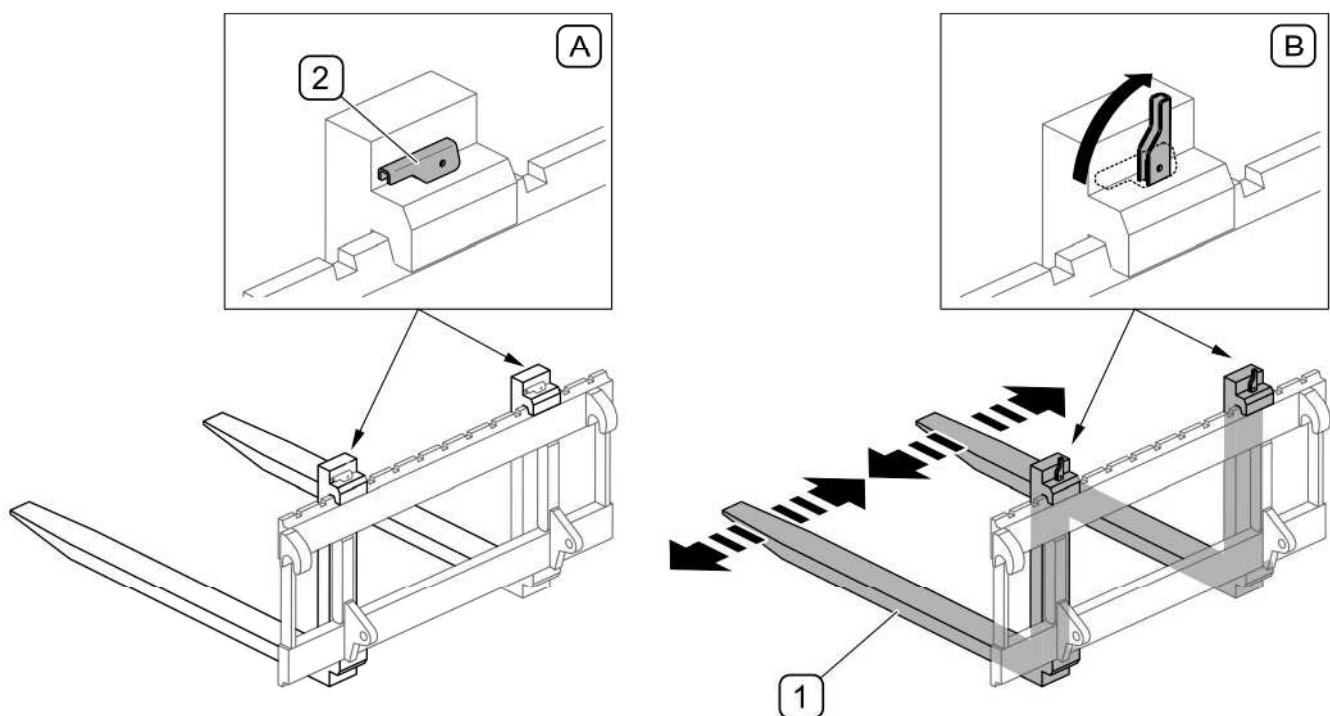
Make sure that the load is properly secured and is positioned centrally on the forks. Do not lift loads using only one fork.

**DANGER**

Do not leave the load on the raised forks. When parked, lower the forks.

**DANGER**

Before adjusting the implement, turn off the tractor engine and engage the parking brake.



**FIG. 4.2** Changing the forks spacing

(A) - sliding lock engaged, (B) - Sliding lock disengaged; (1) - fork, (2) - sliding lock

Pallet forks (35WP1 / 35WP1) spacing can be adjusted in increments of 60 mm forks, while the spacing of WP-25E forks in increment of 90 mm.

To adjust forks spacing (FIG. 4.2):

- Raise the forks to a small height, turn off the engine and engage the parking brake on the tractor.
- Set sliding lock lever in vertical position (B).
- Move forks to obtain the desired spacing, making sure that both are spaced symmetrically.
- Engage the sliding lock by positioning the lever horizontally (A). If the sliding lock lever does not engage, gently slide the fork to the left or right side until the lever can be engaged.
- Check the lock by trying to move forks side to side;

## 4.4 DISCONNECTING THE IMPLEMENT FROM THE LOADER

Before removing the implement from the loader, it must be emptied. Implement should be disconnected and placed in such a place so that it is possible to connect it again. Before leaving implement on ground surface set it horizontally.



### **DANGER**

**Be especially careful when removing implement from the loader.**

To demount implement:

- lower the arm until the bucket rests on the ground, turn off the engine,
- disengage the implement fastening mechanism in loader frame (*depending on the type of the loader*),
- turn the carrying vehicle engine on, tilt the arm frame forward until frame rods emerge from implement hooks, reverse loader away from implement.

After disconnection from loader the implement appliance should not be moved or carried using other appliance with the exception of pallet forks if the implement is secured to the pallet.

## 4.5 TRANSPORTING THE MACHINE



### **DANGER**

Do not drive on public roads with appliance implements mounted on loader.

***SECTION***

**5**

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**MAINTENANCE**

## 5.1 MAINTENANCE AND STORAGE



### **DANGER**

**Do not perform service or repair work under the loaded or raised implement.**

After finishing work, implement should be thoroughly cleaned and washed with water jet. While washing do not direct a strong water or steam jet at information and warning decals, bearings or hydraulic lines. Nozzle of pressure or steam washer should be kept at a distance of not less than 30 cm from cleaned surface.

After cleaning, inspect the implement, inspect technical condition of individual elements. Worn or damaged elements should be replaced.



### **ATTENTION!**

**Should it be necessary to change individual parts, use only original parts or those indicated by the Manufacturer. Non-adherence to these requirements may put the user and other people's health and life at risk, and also damage the machine.**

It is recommended to keep the implement in a closed or roofed building.

If the implement shall not be used for a long period of time, protect it against adverse weather conditions. In order to protect against corrosion, grease the mounting points of the front loader before the winter.

Pallet forks do not require periodic lubrication. However, if moving the forks when adjusting spacing is difficult, clean the fork guides (carriage) of dirt and apply a thin layer of LT-42 or LT-43 grease.

## 5.2 TROUBLESHOOTING

**TABLE 5.1     TROUBLESHOOTING**

TYPE OF FAULT	CAUSE	REMEDY
Impossible to adjust fork spacing	Sliding lock mechanism engaged	Disengage the sliding lock mechanism (set the lock lever vertically), adjust the spacing, engage the lock and check if the lock is correctly engaged
	Fork guides (carriage) contaminated	Clean the fork guides and apply a thin layer of grease.

[illegible]



