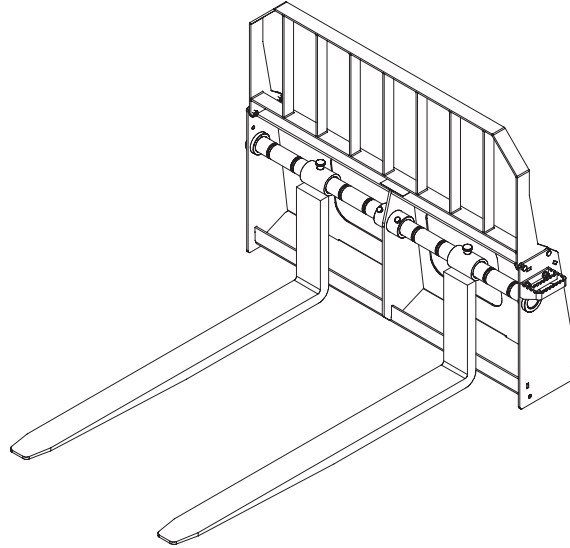


# MULTIFIT PALLET FORKS

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# OPERATOR'S MANUAL



MY.DIGGA.COM



DECAL IS APPLIED TO THE  
ATTACHMENT

MY.DIGGA.COM



DECAL TO BE APPLIED TO  
WINDOW OF MACHINE

**ACCESS OPERATOR MANUALS RISK ASSESSMENTS AND MORE**

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# To the Purchaser

Thank you and congratulations on the purchase of your new Digga Multifit Pallet Fork.

This product was carefully designed and manufactured to give you years of dependable service. It is mandatory to read these instructions to keep the equipment running in top working condition.

## Before Operation

Inspect the attachment for shipping damage and if any damage does exist, do not operate until the damaged parts have been replaced or repaired. The primary responsibility for safety with this equipment falls to the operator. Make sure the equipment is operated only by trained individuals that have read and understood this manual. If there is any portion of this manual or function you do not understand, contact your local authorized Digga dealer or the manufacturer to obtain further assistance. Keep this manual available for reference. Provide the manual to any new owners and/or operators.

## About This Manual

This manual has been designed to help you do a better and safer job. **Read this manual carefully and become familiar with its contents before connecting and operating this unit.**

## Service

Use only manufacturer replacement parts. Substitute parts may not meet the required standards.



## CAUTION

---

Never allow anyone to operate this attachment without reading the “Safety precautions” and “Operating instructions” sections of this manual. Always choose hard and level ground to park the vehicle on and set the brake, so the unit cannot roll.

# Product Identification

<b>MODELS COVERED IN THIS MANUAL</b>
<b>MULTIFIT PALLET FORKS</b>
PF-001130-1500
PF-001130-1800
PF-001130-4000

Your Digga Multifit Pallet Fork model provides important information about the product. Compare the model engraved on the serial plate to the list above.

- This manual does not cover non-multifit Pallet Forks/Bale Spears. See manual PM-000021.
- This manual does not cover Bale Spears models BS-000077 & BS-000078. See manual PM-000245.

# Product Identification

Your Digga Multifit Pallet Fork is a user serviceable part. When servicing or assembling your product, use only genuine Digga replacement parts. Substitute parts may not meet the standards required for safe and dependable operation. Use of non genuine Digga parts will void warranty and Digga accept no liability what so ever for consequential or special damages. All service must be performed by qualified professionals. Contact your local Digga dealer for details. To facilitate warranty or service, record the model and serial number of your unit in the space provided on this page. This information may be obtained from the identification plate located on the product.

**DIGGA** Australia Pty Ltd 4 Octal St, Yatala, QLD, 4207 Australia  
Date of manufacture:   
Model No.: PF   
Serial No.:   
DESIGN CAPACITY OF THIS ATTACHMENT IS IN ACCORDANCE WITH ISO 2330:2002  
AND HAVING A RATING OF:  kg x 500mm centres  
Mass of attachment (approximate)  kg.  
www.digga.com Ph: +61 7 3807 3330  
MADE IN AUSTRALIA  
DE-000256

DE-000256 (Australia & New Zealand)

MANUFACTURED BY **DIGGA**  
Date of manufacture:   
Model No.: PF-   
Serial No.:   
DESIGN CAPACITY OF THIS ATTACHMENT IS IN ACCORDANCE WITH ISO 2330:2002  
HAVING A RATING OF:  lbs/kg x 20" (500mm) centres  
Mass of attachment (approximate)  lbs / kg  
WWW.DIGGAUSA.COM PH: (563) 875 7915  
DE-000542

DE-000542 (North America)

**Model:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

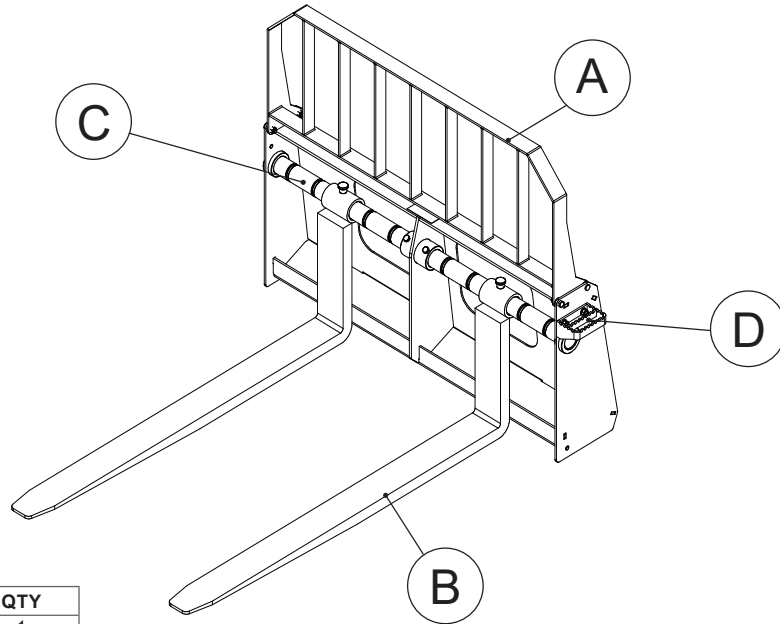
**Purchase Date:** \_\_\_\_\_

## NOTE

The parts department needs this information to ensure accurate parts can be sent to the authorized service agent.

## Preparation for use

To avoid any inconvenience before operation, please check that you have received the following items which you may have ordered. Items may differ depending on type of machine the Pallet Fork is to be fitted to.



REF	DESCRIPTION	QTY
A	Pallet Fork Frame	1
B	Pallet Fork Tynes	2
C	Tyne Bars	2
D	Step	1



# Safety Precautions - General Information

You must understand all safety statements shown on your attachment and in this manual. Especially note the information called out by the designations shown below. Follow these safety precautions, when operating or maintaining the attachment.

## **DANGER**

---

The **DANGER** designation indicates an imminently hazardous situation that, if not avoided, will result in death.

## **WARNING**

---

The **WARNING** designation indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

## **CAUTION**

---

The **CAUTION** designation indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury or property damage.

## **NOTE**

You will also see information called out with the **NOTE** designation. This additional safety or general information is important to the maintenance and operation of your loader.

During day-to-day operation of your attachment, you will encounter a variety of situations beyond those listed in this manual. We encourage you to assess the risk present at any job site and in every work task before beginning work. Apply appropriate risk mitigation strategies to make safety a first priority at all times, and if these are not sufficient, stop the job and immediately seek the help of a qualified safety consultant.

# Safety Precautions - General Information

## Know where utilities are

- Observe overhead electrical and other utility lines. Be sure the equipment will clear them.
- Before starting any digging project, lodge an enquiry with BYDA (Before you Dig Australia) or your local utilities location service for the identification of buried electrical, telephone, cable wires, gas, water and sewer lines are likely to be present. Unintentionally disrupting these hidden hazards while working with your loader can result in dangerous situations and property damage.
- Only commence works after having received and studied the underground plans and information thoroughly. Never begin work until the work area has been fully marked for underground utilities.
- For more information about digging best practices access [www.byda.com.au](http://www.byda.com.au). Many countries offer a similar service which advises the location of underground services in your area. If available use this service prior to digging, drilling, trenching or any form of excavating and earthmoving.



## **CAUTION**

---

**You must ensure that underground utilities have been officially marked before working in the area. Markings must be valid according to state law or practice.**

## Exposure to Respirable Crystalline Silica Dust Along with Other Hazardous Dusts

- It is recommended to use dust suppression, dust collection, and if necessary personal protective equipment during the operation of this or any other machine attachment that may cause high levels of dust.

## Remove Paint Before Welding or Heating

- Hazardous fumes/dust can be generated when paint is heated by welding, soldering, or using a torch.
- Do all work outside or in a well ventilated area and dispose of paint and solvent properly.

# Safety Precautions - General Information

## **Remove paint before welding or heating.**

- When sanding or grinding paint, avoid breathing the dust. Wear an approved respirator. If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

## **End of Life Disposal**

- At the completion of the useful life of the Pallet Fork, dismantle by separating the different materials (rubber, steel, plastic, etc.). Follow all federal, state and local regulations for recycling and disposal of the components.

## **Operating the Pallet Fork**

- The primary responsibility for safety with this equipment falls to the operator. Make sure that the equipment is operated only by trained individuals, who have read and understood this manual.
- An operator must not use drugs or alcohol, which can change his or her alertness or coordination. An operator taking prescription or over-the-counter drugs should seek medical advice on whether or not he or she can safely operate the equipment.
- Don't hurry the learning process or take the unit for granted.
- It is the skill, care, common sense, and good judgment of the operator that will determine how efficiently and safely the job is performed.
- Visually inspect your equipment, ensure correct assembly and installation is done and never operate the equipment that is not in proper working order.
- Know the capabilities of your equipment and practice its operation to become familiar with the controls, emergency shut down procedures, and the way it handles on your machine.
- Follow all safety decals and keep them clean. Replace them, if they become worn, damaged or illegible.
- Do not paint over, remove or deface any safety signs or warning decals on your equipment.
- Operate only from the operator's station and operate only in daylight or with sufficient artificial light.

## Safety Precautions - General Information

- Always carry loads close to the ground and do not exit the machine with the loader arms raised.
- Do not exceed rated operating capacity (ROC) of the host machine, as machine may become unstable resulting in loss of control. Overloading or exceeding the manufacturers specifications will also void all warranty.
- Always lower the loader arms or the machine boom to the ground, shut off the engine and remove the key before getting off the unit.
- Remove the Pallet Fork from the parent machine before transporting to and from the job site.
- Never use the attachment on a machine that is not equipped with a cab rollover protective structure (ROPS) and/or falling object protective structure (FOPS), and operator restraints (seat belts or equivalent devices). Although, this is not applicable when using this attachment on a stand-on mini loader.
- Establish and maintain a minimum 6 meters (20 feet) exclusion zone around the working area. No person other than the operator should enter the work zone, while the parent machine's engine is running.
- Do not allow site workers to climb on the attachment at any time, including while stationary, in operation or being moved.
- Avoid steep hillside operation which could cause the machine to overturn. Consult your machine operator's and safety manual for maximum allowable incline.
- Reduce speed when driving over rough terrain, on a slope or turning to avoid overturning the machine.
- Travel only with the Pallet Fork in a safe transport position to prevent the uncontrolled movement.
- Drive slowly over rough ground and on slopes.
- Tether any accessory connected to the Pallet Fork with a chain if necessary, to prevent uncontrolled swinging of the attachments.
- Do not drive close to ditches and excavations, etc, as cave in could result.
- Flow and pressure gauges, fittings, and hoses must have a continuous operating pressure rating of at least 25% higher than the highest pressure of the system.

## Safety Precautions - General Information

- All operations must be stopped in the event of local thunderstorm or lightning activity. During operation, weather conditions shall be monitored, operations shall cease during electrical storms or when electrical storms are imminent. Ground personnel and bystanders.
- Be alert to others in the work area. Be sure others know when and where you will be working.
- Loose fitting clothing, long hair, jewellery and equipment which might become entangled in moving equipment are prohibited while working near the Pallet Fork .
- Operators, helpers, and other personnel working near the attachment must wear steel-toe safety shoes, safety glasses, and hard hats as a minimum. Hearing protection, respirators, and personal protective clothing will be specified in the site-specific Health and Safety Plan.
- The Pallet Fork shall be cleaned only when the attachment is lowered to the ground and the host machine is switched off; long-handled shovels shall be used to move debris from the Pallet Fork. Materials heavier than 10 kg must be moved mechanically or by using at least two people.
- The Pallet Fork shall be used only for their designed intent and shall not be loaded beyond their rated capacity. Overloading or exceeding the manufacturers specifications will void all warranty.

### **DANGER**

During Pallet Fork operation, maintain a minimum “no-work zone” buffer of 10 feet (3 meters) from any overhead electrical service and 6 feet (2 meters) from any underground service . All bystanders should be kept at a minimum of 20 feet (6 meters) away from the working area of the Pallet Fork.

#### **Storing your Pallet Fork**

- Clean the unit thoroughly by removing all mud, dirt, grease, etc..
- Inspect for visible signs of wear, breakage, or damage. If required, order any damaged parts and perform the necessary repairs to avoid delays upon removal from storage.
- Ensure that the tyne bar is coated with a film of grease.
- Tighten loose nuts, cap screws.

## **Safety Precautions - General Information**

- Replace safety decals that are damaged or in an unreadable condition.
- Store unit in a dry and protected place, as leaving the unit outside will materially shorten its life.

### **Maintaining the Pallet Fork**

- All maintenance should be performed with the engine turned off, parking brakes applied, machine arms lowered, and hydraulic pressure relieved.
- Lock out and tag out the equipment before repairs or maintenance is performed.
- Only properly trained and qualified individuals are permitted to perform repairs and maintenance.
- If lift arms must be left raised for any reason, use a positive lift arm lock to secure the arms in place. Serious damage or personal injury could result from lift arms accidentally lowering.
- Never adjust a relief valve for pressure higher than recommended by the machine's manufacturer.

### **Transporting the Pallet Fork**

- When transporting your attachment, follow all local government regulations that may apply along with any equipment safety precautions provided in this manual.
- It is the responsibility of the operator that safe systems of work are employed while handling this attachment.
- No tie down points are provided on the attachment and its the responsibility of the operator to ensure that the attachment is firmly fastened without causing any damage to it.
- Attachment should be well secured, when being moved or in transit and furthermore prior to moving, storing, loading/unloading, or parking.
- Verify that all tie down accessories (chains, slings, ropes, shackles, etc.) are capable of maintaining attachment stability during transporting and are attached in such a way to prevent unintended engagement or shifting of the unit.
- Use extra care when loading or unloading the attachment on to a trailer or truck. No responsibility for loss or damage to persons or property in any regard can be attributed to Digga.

# Safety - Working with the Attachment

## Complete a Risk Assessment

Your Digga Multifit Pallet Fork is a versatile machinery attachment, capable of performing its tasks in a safe and effective manner. To ensure the safety of operators and others, it is important to document the work at hand for hazard and risk. Before beginning work, complete a risk assessment. The following steps provide a framework for this activity:

1	<b>DOCUMENT THE ACTIVITY</b> Assemble those involved in the activity. Write down the tasks required for the activity in step-by-step form.
2	<b>IDENTIFY THE HAZARDS</b> Next to each task, identify what part of the task may cause injury to those engaged in the task or others in the vicinity. Rate the consequences and likelihood of the hazard using the risk assessment matrix.
3	<b>DOCUMENT THE CONTROL MEASURES</b> Using the results from the risk assessment matrix, determine which hazards require attention. List all mitigation measures that are required to eliminate or minimize those hazards.
4	<b>IDENTIFY THE RESPONSIBLE PERSON</b> Document the name of the person responsible for implementation of the mitigation measure.
5	<b>MONITOR AND REVIEW</b> Ensure that the activity is supervised and that the documented process is being followed.

## NOTE

Remember, Personal Protection Equipment (PPE) provides a level of protection during work, but PPE is the last level of hazard control and prevention. Always refer to the hierarchy of hazard control, when planning a safety process.

## Safety - Working with the Attachment

**Take Extreme Care When Dealing with Hydraulics - Whilst Assembling, Operating, Maintaining or Performing any work on or near this product.**

- Hydraulic fluid under pressure can penetrate the skin and may develop gangrene or other permanent disabilities. **Hydraulic leaks under pressure may not be visible!**
- If any fluid penetrates the skin, **get immediate medical attention!**
- Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks. **Do not use your hands!**
- Before connecting or disconnecting hydraulic hoses, read your machine or power unit's operator manual for detailed instructions on connecting and disconnecting hydraulic attachments.

### **NOTE**

**For any additional safety information please see "Risk Management Booklet". To obtain a copy of this document please contact Digga Head Office.**



# Safety - Working with the Attachment

## When Mounting this Product to Your Machine

- Refer to the operator's manual of your host machine for any special or detailed mounting instructions regarding the quick-attach mechanism.
- This product should fit onto the quick-attach frame or hitch (machine mount). If this product does not fit properly, contact your Digga dealer before operating.
- Where enabler 'Dead Man' controls are installed it is illegal to disengage, tamper with, or remove them.



## **WARNING**

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Never place any part of your body into the mounting plate, frame, hitch or loader holes. A slight movement of the power unit and this product could cause serious injury.

## When Adjusting Servicing or Repairing this Product

- Do not make any modifications to your Digga attachment.
- When making repairs use only competent and experienced service agents and use only genuine Digga parts. For fasteners, use only properly rated parts.
- Replacement parts must also have safety signs attached.



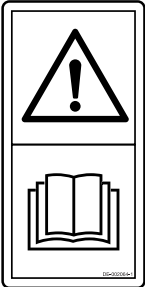
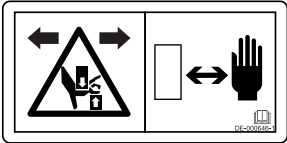




## **CAUTION**


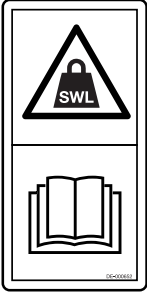
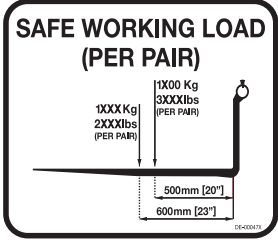



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Wait for all moving parts to stop completely before making any adjustments or cleaning.

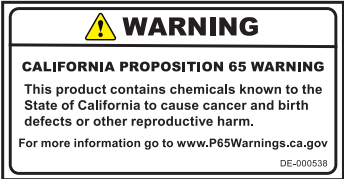




# Safety - Decal Labels

This section provides a glossary of safety labels found on your Digga Multifit Pallet Fork. These labels are important! Become familiar with both their meaning and location prior to operating the Pallet Fork. Ensure that each label is clean, visible, and legible at all times. To clean the decal, use a soft cloth, water, and soap. Avoid the use of solvents, gasoline, or other harsh chemicals, as these may damage the decal. If a label has been damaged or removed, it must be replaced.

READ OPERATOR'S MANUAL	PINCH POINT HAZARD	CRUSH HAZARD
		
<p><b> DANGER</b></p> <p>Completely read and understand this operator's manual before using your attachment. Keep the manual with the attachment at all times.</p>	<p><b> WARNING</b></p> <p>Do not attempt to reposition the tynes with hands and fingers wrapped around the tyne. See "How to adjust tyne width" on page 34.</p>	<p><b> DANGER</b></p> <p>Keep hands and body parts clear of the attachment. Keep all bystanders at a safe distance (6 meters/20 feet) from operating attachment and work zone. Do not allow persons under the forks/spears.</p>

FALL HAZARD	SAFE WORKING LOAD	SWL DIAGRAM
		
<p><b> DANGER</b></p> <p>Do not allow persons over the forks. Do not ride on the attachment. This attachment must not be used as a personnel access device.</p>	<p><b> CAUTION</b></p> <p>Do not exceed the attachment Safe Working Load. Refer to "Safe Working Load" on page 37.</p>	<p><b> CAUTION</b></p> <p>Do not exceed the attachment Safe Working Load (SWL). The loading capacity decreases as the load centre is located farther the tyne support. Refer to "Safe Working Load" on page 37.</p>

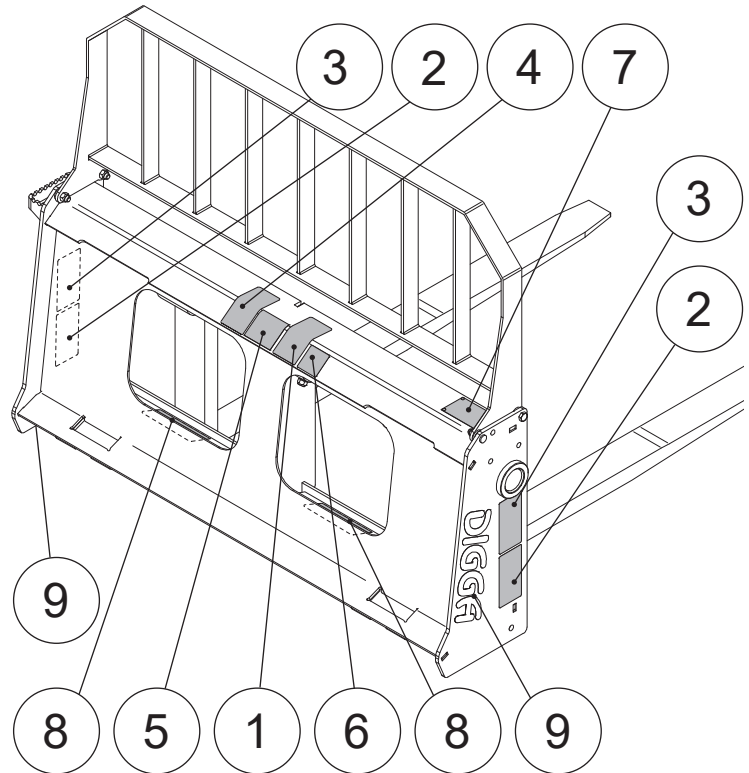
# Safety - Decal Labels

PROPOSITION 65 WARNING	MY.DIGGA.COM	SERIAL TAG
 <p><b>WARNING</b></p> <p><b>CALIFORNIA PROPOSITION 65 WARNING</b></p> <p>This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.</p> <p>For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p> <p>DE-000538</p>	 <p>MY.DIGGA.COM</p>	 <p><b>DIGGA</b> Australia Pty Ltd 4 Octel St, Yateba, QLD, 4207 Australia</p> <p>Date of manufacture: <input type="text"/></p> <p>Model No.: <input type="text" value="PF"/></p> <p>Serial No.: <input type="text"/></p> <p>DESIGN CAPACITY OF THIS ATTACHMENT IS IN ACCORDANCE WITH ISO 2330:2002 AND HAVING A RATING OF: <input type="text"/> kg x 500mm centre</p> <p>Mass of attachment (approximate) <input type="text"/> kg.</p> <p><a href="http://www.digga.com">www.digga.com</a> Ph: +61 7 3807 3330</p> <p>MADE IN AUSTRALIA</p> <p>DE-000505</p> <p>DE-000256 (Australia &amp; New Zealand)</p>  <p>MANUFACTURED BY <b>DIGGA</b></p> <p>Date of manufacture: <input type="text"/></p> <p>Model No.: <input type="text" value="PF-"/></p> <p>Serial No.: <input type="text"/></p> <p>DESIGN CAPACITY OF THIS ATTACHMENT IS IN ACCORDANCE WITH ISO 2330:2002 HAVING A RATING OF: <input type="text"/> lbe/kg x 20" (500mm) centre</p> <p>Mass of attachment (approximate) <input type="text"/> lbe / kg</p> <p><a href="http://WWW.DIGGAUSA.COM">WWW.DIGGAUSA.COM</a> PH: (563) 875 7915</p> <p>DE-000542</p> <p>DE-000542 (North America)</p>
 <p><b>WARNING</b></p> <p>This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>.</p> <p><b>NOTE</b></p> <p>Only applicable to PF-001130-4000.</p>	<p><b>NOTE</b></p> <p>Scan the QR-code to access <a href="http://my.digga.com">my.digga.com</a> and find manuals, safety information, guides and more.</p>	<p><b>NOTE</b></p> <p>The serial tag plate depends on the region and contains model, serial number and technical specifications of the unit. See "Product Identification" on page 7,</p>

# Safety Decals - Locations

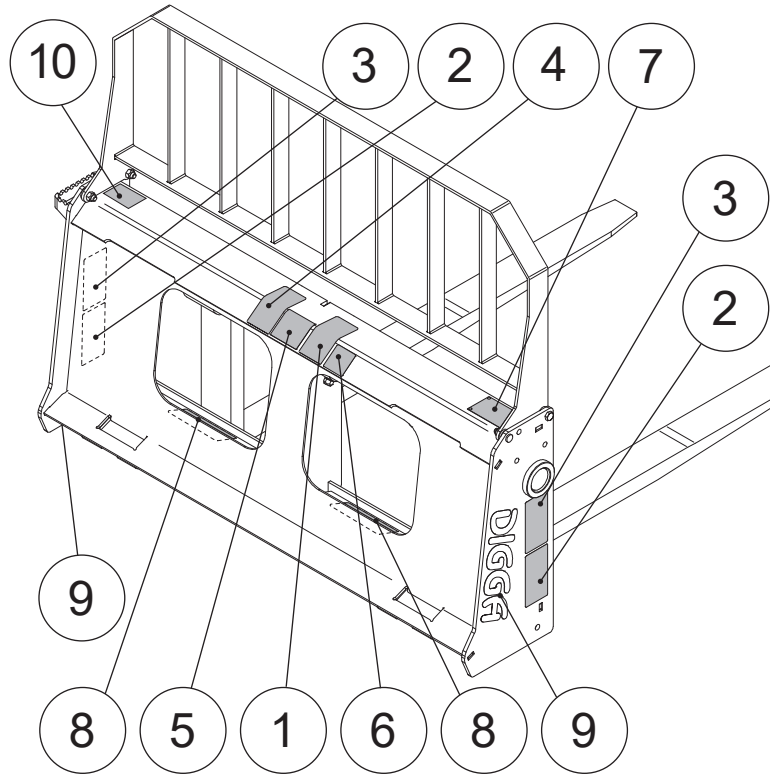
PF-001130-1500 (DKIT1018)			
ITEM	ORDER CODE	DESCRIPTION	QTY
1	DE-002064-1	Read Operator's Manual	1
2	DE-000650	Crush Hazard	2
3	DE-000651	Fall Hazard	2
4	DE-000652	Safe Working Load	1
5	DE-000471	SWL 1500kg	1
6	DE-000850	QR-Code my.digga.com	1
7	DE-000256	Serial Tag	1
8	DE-000646	Pinch/Crush Point	2
9	DE-000049	Digga Logo	2

PF-001130-1800 (DKIT1020)			
ITEM	ORDER CODE	DESCRIPTION	QTY
1	DE-002064-1	Read Operator's Manual	1
2	DE-000650	Crush Hazard	2
3	DE-000651	Fall Hazard	2
4	DE-000652	Safe Working Load	1
5	DE-000472	SWL 1800kg	1
6	DE-000850	QR-Code my.digga.com	1
7	DE-000256	Serial Tag	1
8	DE-000646	Pinch/Crush Point	2
9	DE-000049	Digga Logo	2



# Safety Decals - Locations

PF-001130-4000 (DKIT1164)			
ITEM	ORDER CODE	DESCRIPTION	QTY
1	DE-002064-1	Read Operator's Manual	1
2	DE-000650	Crush Hazard	2
3	DE-000651	Fall Hazard	2
4	DE-000652	Safe Working Load	1
5	DE-000543	SWL 4000lbs	1
6	DE-000850	QR-Code my.digga.com	1
7	DE-000542	Serial Tag	1
8	DE-000646	Pinch/Crush Point	2
9	DE-000049	Digga Logo	2
10	DE-000538	Proposition 65	1



The key feature of your Digga Multifit Pallet Fork is low maintenance. It contains user serviceable parts. When servicing your product remember to use only genuine Digga replacement parts. Use of non-genuine Digga parts will void warranty and Digga will accept no liability what so ever for consequential damages as a result thereof.



### **DANGER**

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**Safety first!! Read and understand the safety instructions before beginning any maintenance.**

#### **Before First Use**

Inspect the Pallet Fork for shipping damage. If damage does exist, do not operate until the damaged parts have been replaced or repaired.

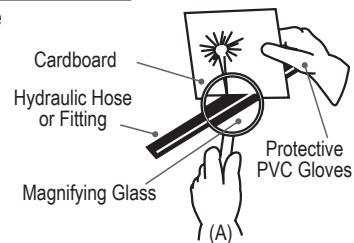
#### **Before Each Use**

- Make sure that all nuts and bolts are in place and properly tightened.
- Make sure that all other fasteners are in place and are performing their specified function.
- Make sure that all safety signs are in place, are clean, and are legible (see "Safety Decals - Locations" on page 21).
- Check for wear and tear on pins, linkages, and replace any damaged parts and excessively worn parts.
- Use only manufacturer recommended replacement parts. Other parts may be substandard in fit and quality.
- Ensure any damage or excessively worn parts are replaced.
- Always wear safety goggles or glasses when inspecting equipment.
- Ensure that the tyne bar is coated with a film of grease. See "Greasing" on page 35.

## Before Use

### WARNING

Escaping fluid under pressure as low as 100 PSI can have sufficient force to penetrate the skin up to 4" (100mm) away causing serious personal injury. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands to search for suspected leaks (A). Keep unprotected body parts, such as face, eyes, and arms as far away as possible from a suspected leak and use heavy duty PVC protective gloves. Flesh injected with hydraulic fluid may develop gangrene or other permanent disabilities.



### WARNING

Always wear the correct PPE, when operating or performing maintenance on this attachment. If a hydraulic fluid injection injury occurs, seek emergency medical attention immediately. Explain to medical staff that the injury is the result of pressurised fluid injection. Remember that even if the point of entry appears as a minor pin hole, this potentially could be a major injury, especially if not treated in time.



# Commissioning Procedure

The Digga Multifit Pallet Fork attaches to the tool bar/quick-attach mechanism of your Machine. Due to this arrangement, thorough knowledge of the machinery controls is necessary for machine operation. Read and understand your machine operator's manual for information regarding machine operation before attempting to use the Pallet Fork.

When a Pallet Fork is purchased from DIGGA or a DIGGA Dealer/Distributor, the frame/attachment is matched for suitability and compatibility to the load ratings of the original machine it was purchased for. For fitment of the Pallet Fork to other machines you must first contact your DIGGA dealer and receive written confirmation to ensure you do not incorrectly fit the attachment to a machine with lower rated load capacities than what the product was designed for.

Warranty will be void if the Pallet Fork is fitted to an alternative machine without first receiving written confirmation from your DIGGA dealer.

Check the work site and identify the extent of the work to be carried out and note any possible hazards or constraints. Overhead cables, underground utilities, services, etc. Check with relevant service providers on the location of these before commencement of any work (see "Know where utilities are" on page 10). Review the job at hand and determine the Pallet Fork is appropriate for the intended conditions. For example: Do not use it as a personnel lifting device.

## Installation instructions

1. Remove the packaging and shipping banding from around the pallet fork and frame.
2. Remove any attachments from the front of the Machine.
3. Ensure you have read the attachment safe working load ratings.
4. Following all standard safety practices and the instructions for installing an attachment in your machine and quick-attach operator's manuals, install the Pallet Fork onto your machine.

# Commissioning Procedure

## **NOTE**

It is important to make sure the locking mechanism on your quick attach is engaged, therefore locking the attachment onto the machine.

5. Lower the unit to the ground and remove the key from the parent machine.
6. Carefully raise the machine arms and cycle the tilt cylinders to check clearances and to verify that all mounting procedures have been successfully completed.
7. Your attachment is now ready for use.

# Commissioning Procedure

## Unpacking

1. Slide cardboard packaging upwards and remove it (Figure 1). Ensure packaging is disposed of in accordance with federal, state and local regulations.
2. Ensure pallet fork frame is sitting stable on timber frame and then cut the straps (Figure 2).
3. Using appropriate material handling equipment, place the frame on the ground (Figure 3).

## WARNING

This pallet fork requires appropriate material handling equipment, Do not attempt to lift it manually.

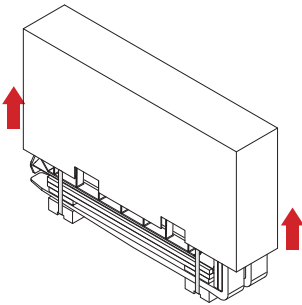


Figure 1

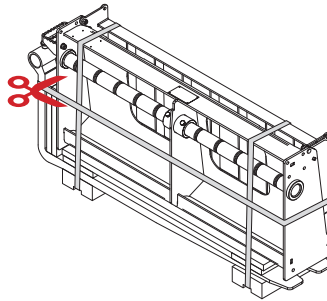


Figure 2

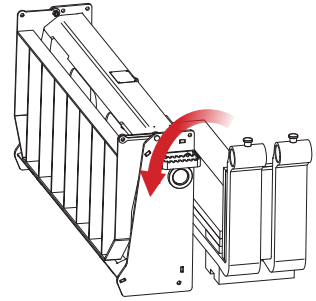


Figure 3

# Commissioning Procedure

## Mounting the safety guard

1. Remove the front nuts and bolts from both sides of the frame (Figure 4).
2. Swing the safety guard upright (Figure 5).

### **WARNING**

Ensure hands are well clear from the pinch points (Figure 5).

3. Align the holes of the frame with the holes of the safety guard and tighten bolts (Figure 6).

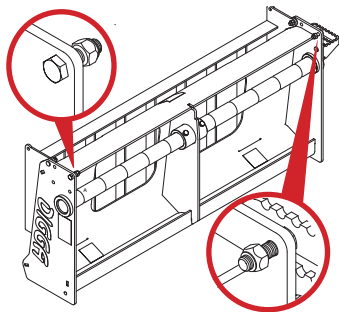


Figure 4

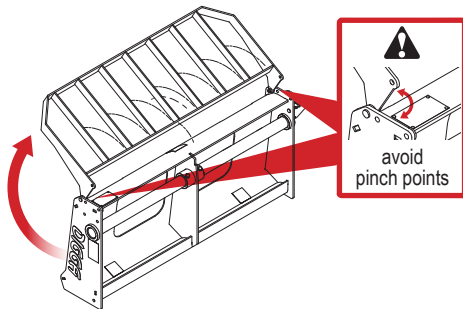


Figure 5

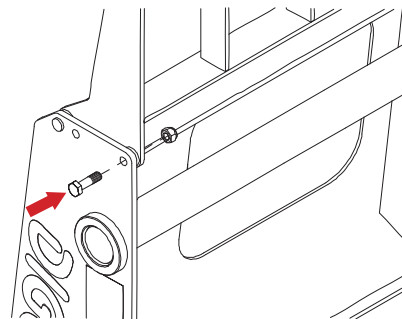


Figure 6

# Commissioning Procedure

## Mounting tynes

1. Unscrew the bolts holding the two tyne rods in place (Figure 7).
2. Slide the tyne rods outwards just enough so that the tynes can be fitted (Figure 8).
3. Move the first tyne in place and insert the rod through the tyne hole. (Figure 9).

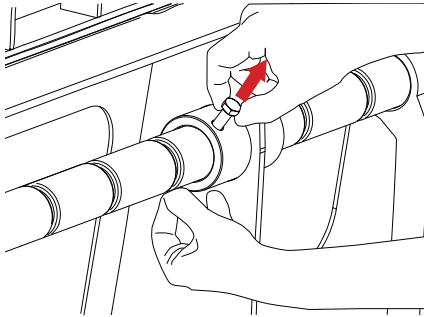


Figure 7

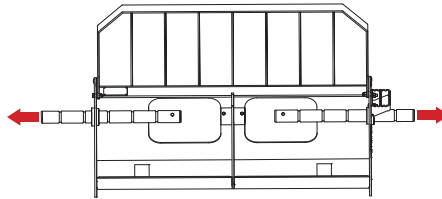


Figure 8

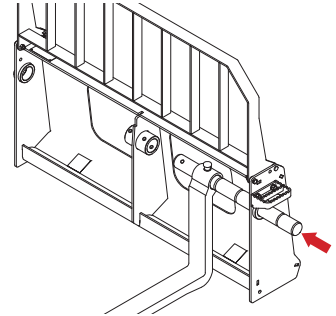


Figure 9

# Commissioning Procedure

4. Align the tyne rod hole and the hole located on the frame (Figure 10).
5. Tighten the bolt (Figure 11). Ensure the bolt head is facing upwards (Figure 12). Align the tyne rod hole and the hole located on the frame (Figure 10).
6. Tighten the bolt (Figure 11). Ensure the bolt head is facing upwards (Figure 12).

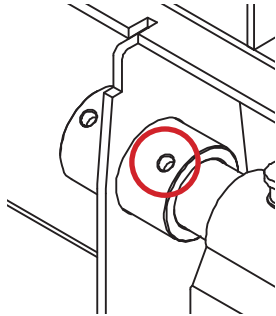


Figure 10

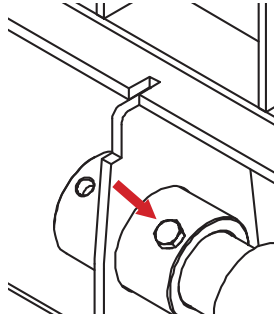


Figure 11

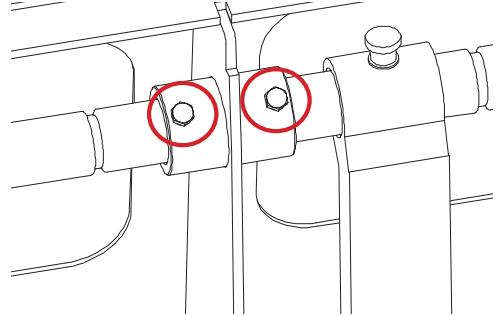


Figure 12

# Commissioning Procedure

7. Move the second tyne into place and insert the rod through the tyne hole (Figure 13).
8. Align the tyne rod hole with the hole located on the frame and tighten bolt (Figure 14). Ensure the bolt head is facing upwards (Figure 12).
9. Adjust the tynes to desired width by lifting the black locking pins on top of the tynes and sliding them into place (Figure 15). The locking pins are spring loaded and will automatically snap down into the tyne bar grooves and lock the tynes. Refer to "How to adjust tyne width" on page 34 for correct methods of adjusting tynes.

## WARNING

Use appropriate tools to tighten all nuts and bolts before operating your pallet fork.

## WARNING

Do not attempt to reposition the tynes with hands and fingers wrapped around the tyne. Refer to page 34.

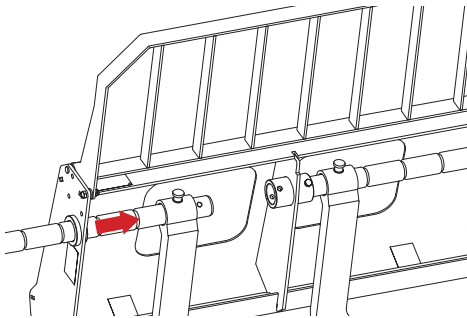


Figure 13

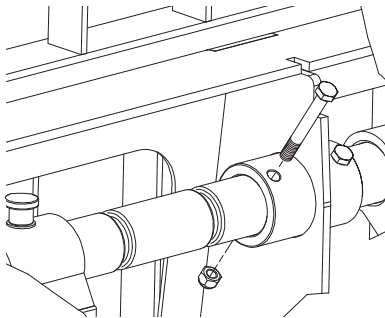


Figure 14

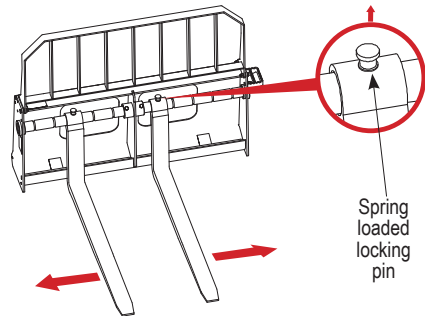


Figure 15

# Operating Instructions

## DANGER

**Safety first!! Read and understand the safety instructions before operating the attachment and moving any loads. Failure to obey the following procedures could result in death or serious injury.**

1. Remove bucket as per Machine Operators Manual.
2. Pick up the frame as you would your Loader Bucket and ensure that The pallet fork is securely attached to your machine as per your machine manual.
3. Adjust tyne width to suit pallet size and ensure the spring loaded locking pin snaps into the groove on the tyne bar by twisting the knob. Refer to page 34 for correct methods of adjusting tynes.
4. Manoeuvre machine to required spot for lifting, lower Loader arm and tilt pallet forks forward until both tyne edges are just clear of the ground. Proceed forward placing the tyne through the pallet and lifting with loader arm.
5. Once the pallet is positioned, lower loader arm and reverse machine back maintaining required height to clear pallet.
6. Remember, your pallet fork will only lift efficiently if they are adjusted correctly.
7. Do not overload pallet fork this could cause injury and damage to pallet fork. Refer to load chart for safe work load.
8. Do not apply load to one tyne alone as this can cause damage to the retaining pin and or tyne. The attachment is designed to lift evenly distributed weight.
9. Lifting capacity of attachment is rated at 500mm centres combined. Do not lift with one tyne. Lift capacity reduces significantly the further away the load is. See "Safe Working Load" on page 37.



## **NOTE**

Tynes are matched and serial coded as a pair, any damage to an individual tyne will require a new pair to be purchased. Tynes are not sold separately.



## **DANGER**

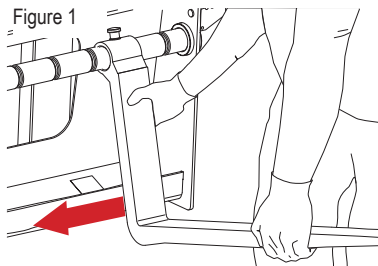
**Do not exceed the lifting capacity of machine. The Pallet Fork is part of the machine's Safe Working Load (SWL). Refer to the host machine operator's manual.**

- Complete a daily inspection prior to operating the pallet fork.
- Under no circumstances allow passengers to ride on the pallet fork.
- This attachment is not a personnel access device. Do not use the pallet fork to lift persons.
- Always carry load as low as possible.
- Always travel at a low speed.

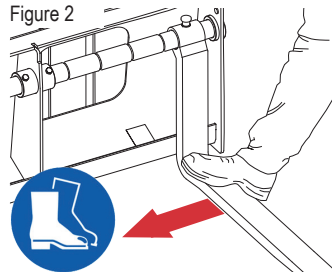
# Operating Instructions

## How to adjust tyne width

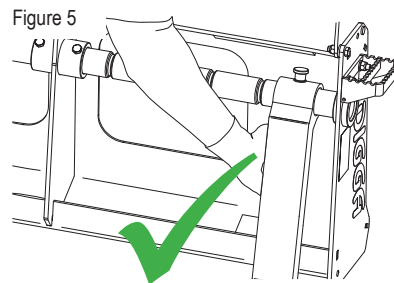
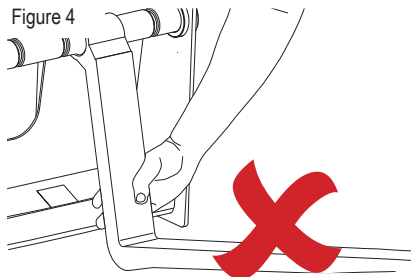
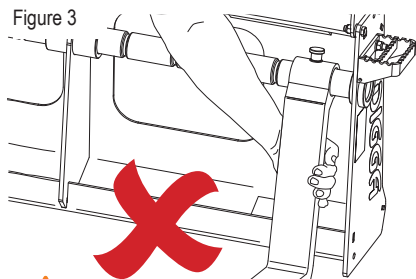
Ensure the equipment is safely immobilised before making any adjustment or maintenance to the attachment. When adjusting tynes, please place hands in correct position to avoid potential pinching.



Method 1: Pull locking pin and twist to lock open. Lift the tyne with one hand while pushing the top of the tyne with the palm of your other hand. (Figure 1). Top hand should be positioned at the top of the tyne to ensure it is well away from the bottom rail. (Figure 5) Twist locking pin to lock position and move tyne until locking pin falls into tyne rod groove.



Method 2: Lower the pallet fork so it is just above the ground. Pull locking pin and twist to lock open and kick tyne into position using the heel of your foot (Figure 2). Always ensure you are using appropriate safety footwear before attempting to adjust tynes in this method. Twist locking pin to lock position and move tyne until locking pin falls into tyne rod groove.



## WARNING

Do not attempt to reposition the tynes with hands and fingers wrapped the tyne (Figure 3 and 4). always Use the palm of your hand to avoid potential pinching (Figure 5).

## **Greasing**

The Pallet Fork has no grease nipples. Lubricate the tyne bar with multipurpose grease frequently to allow tynes to slide easily when adjusting width. Lubricate the locking pins with lubricant spray frequently.

## **Visual Inspection**

Inspect the attachment every day for wear, cracks and damage. Check if all fasteners are present and tighten. Do not use the Pallet Fork if there are any issues with the frame or missing/defective parts. Follow all local regulations for lifting devices inspection.

# Technical Specifications

<b>MODEL</b>	<b>CAPACITY</b>	<b>LENGTH</b>	<b>HEIGHT</b>	<b>WIDTH</b>	<b>WEIGHT</b>
<b>PF-001130-1500</b>	1500 kg	1314mm (51.7")	964mm (38")	1170mm (46")	138 kg (304 lbs)
<b>PF-001130-1800</b>	1800 kg	1464mm (57.6")	964mm (38")	1170mm (46")	157 kg (346 lbs)
<b>PF-001130-4000</b>	4000 lbs	1464mm (57.6")	964mm (38")	1170mm (46")	157 kg (346 lbs)

# Technical Specifications

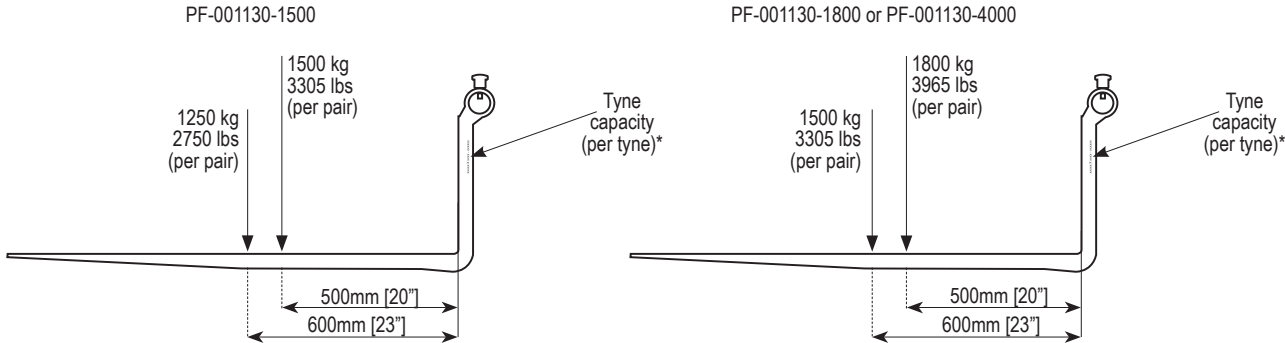
## Safe Working Load

The Safety Working Load (SWL) is engraved on the attachment serial tag and is expressed in kgs or lbs per pair of tynes. The SWL is determined at a load centre distance of 500mm (20"). The loading capacity decreases as the load centre is located further from the tyne support. The tyne capacity and serial codes are stamped on its side (See figure below). Tynes are matched and serial coded as a pair, any damage to an individual tyne will require a new pair to be purchased. Tynes are not sold separately. Only replace tynes with the type specified for your attachment.



**DANGER**

Do not exceed the Safe Working Load stated in the attachment serial tag.



\*Tyne capacity does not constitute overall pallet fork capacity (SWL). Refer to the serial tag for attachment SWL (Item 7 - page 21).

## Spare Parts

For spare parts of your Pallet Fork, obtain the serial number from the aluminium serial tag located on the frame of the Pallet Fork. The serial number allows Digga to trace all production and service records. Ensure all service and maintenance is performed by an authorized Digga service agent and all service records are kept. Below is a list of common replacement parts for your Pallet Fork. For all other spare parts contact your nearest Digga dealer or Digga Head Office.

DESCRIPTION	QTY	PART NUMBER
FORK TYNE 1.5 T (SET OF 2)	1	FT-000006
FORK TYNE 1.8 T (SET OF 2)	1	FT-000007
INDEXING PIN	2	PF-001087
STEP	1	PF-001086
TYNE BAR	2	PF-001081
LOAD GUARD	1	PF-001066

For further information on spare parts, please contact one of the Digga sales offices shown below, or contact your local authorised Digga dealer.

## DIGGA INTERNATIONAL SALES OFFICES

### ASIA PACIFIC

#### DIGGA HEAD OFFICE - BRISBANE

4 Octal St, Yatala QLD 4207

Phone: +61 7 3807 3330

Email: [info@digga.com](mailto:info@digga.com)

#### DIGGA NEW SOUTH WALES

19 Mckay Close,

Wetherill Park, NSW 2164

Phone: 1300 2 DIGGA

Email: [nsw@digga.com](mailto:nsw@digga.com)

#### DIGGA VICTORIA

17-21 Babbage Dr,

Dandenong, VIC 3175

Phone: 1300 2 DIGGA

Email: [vic@digga.com](mailto:vic@digga.com)

Web: [www.digga.com](http://www.digga.com)

### NORTH AMERICA

#### DIGGA NORTH AMERICA

2325 Industrial Parkway SW

Dyersville IA 52040

Phone: + 1 563 875 7915

Email: [infous@digga.com](mailto:infous@digga.com)

Web: [www.diggausa.com](http://www.diggausa.com)

### EUROPE

#### DIGGA EUROPE

Unit 1, Nexus Park

Plenty Close

Newbury, RG14 5RL

England, United Kingdom

Phone: +44 (0) 1488 688 550

Email: [infouk@digga.com](mailto:infouk@digga.com)

Web: [www.diggaeurope.com](http://www.diggaeurope.com)

# Troubleshooting

## Pallet Fork

<b>TROUBLE</b>	<b>POSSIBLE CAUSE</b>	<b>REMEDY</b>
Fork tynes do not slide	Lack of grease	Grease
	Pivot pins bent or damaged	Replace Pivot Pins
	Locking bolts tighten	Loosen locking bolts
Attachment falls off	Locking mechanism on the loader not engaged	Ensure that the attachment is locked on before use



## Warranty Statement

All new Digga products are warranted to be free from defects in materials or workmanship, for a period of twelve (12) months from date of original purchase, which may cause failure under normal usage and service when used for the purpose intended. Digga Australia Pty Ltd warrants its equipment for a period of twelve (12) months dating from delivery to the original user.

In the event of failure (excluding cable, ground engaging parts such as sprockets, digging chain, bearings, teeth, tamping and demolition heads, blade cutting edges, pilot bits, auger teeth, auger heads), if after examination, Digga determines failure was due to defective material and/or workmanship, parts only will be repaired or replaced. Digga may request defective product or products be returned prepaid to them for inspection at their place of business or to a location specified by Digga. The warranty will be considered void if the product or any part of the product is modified or repaired in any way not expressly authorized by Digga, or if closed components are disassembled prior to return. Closed components include, but are not limited to: gearboxes, hydraulic pumps, motors, cylinders and actuators. Any goods returned to Digga by the customer under warranty or repair must have all freight charges prepaid for on the customers account.

Any claims under this warranty must be made within fifteen (15) days after the Buyer learns of the facts upon which such claim is based. All claims not made in writing and received by Digga outside the time period specified above shall be deemed waived.

### **Damage or failure through operator abuse or negligence voids warranty.**

This warranty is in lieu of all other warranties expressed or implied and there are no warranties of merchantability or of fitness for a particular purpose. In no event shall Digga be liable for consequential or special damage. Digga's liability for any and all losses and damages to buyer, resulting from any cause whatsoever, including Digga's negligence, irrespective of whether such defects are discoverable or latent, shall in no event exceed the purchase price of the particular products with respect to which losses or damages are claimed, or, at the election of Digga, the repair or replacement of defective or damaged products.





