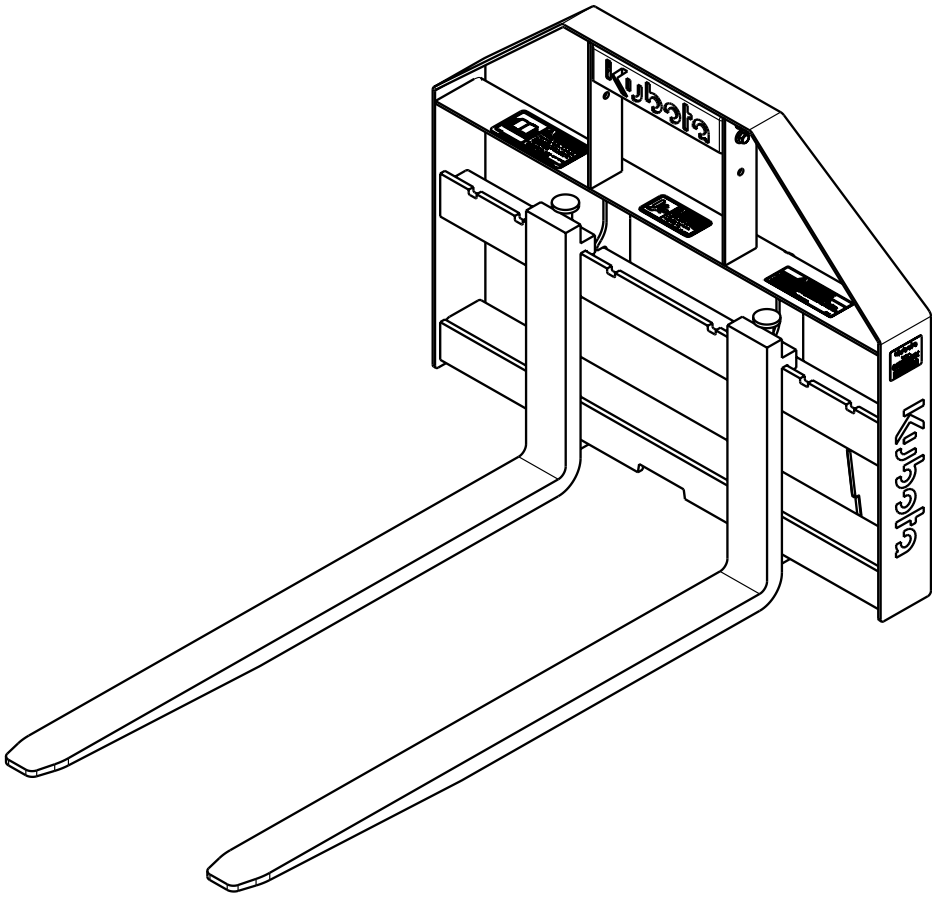
Table of Contents

Compact Pallet Forks

AP-CPF1236, & AP-CPF1242



73705

319-221MK
Operator's Manual

Read the Operator's Manual entirely. When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

Cover photo may show optional equipment not supplied with standard unit.

For an Operator's Manual and Decal Kit in French Language, please see your Kubota dealer.

Printed

Machine Identification

Record your machine details in the log below. If you replace this manual, be sure to transfer this information to the new manual.

If you, or the dealer, have added Options not originally ordered with the machine, or removed Options that were originally ordered, the weights and measurements are no longer accurate for your machine. Update the record by adding the machine weight and measurements provided in the Specifications & Capacities Section of this manual with the Option(s) weight and measurements.

Model Number	
Serial Number	
Machine Height	
Machine Length	
Machine Width	
Machine Weight	
Delivery Date	
First Operation	
Accessories	

Dealer Contact Information

Name: _____

Street: _____

City/State: _____

Telephone: _____

Email: _____

California Proposition 65

WARNING: Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see www.P65Warnings.ca.gov/motor-vehicle-parts.

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Printed in the United States of America.

See previous page for Table of Contents.

Parts Manual QR Locator

The QR (Quick Reference) code on the left will take you to the Parts Manual for this equipment. Download the appropriate App on your smart phone, open the App, point your phone on the QR code and take a picture.

Dealer QR Locator

The QR code on the left will link you to available dealers for Kubota products. Refer to Parts Manual QR Locator on this page for detailed instructions.

Listed below are common practices that may or may not be applicable to the products described in this manual.

Safety at All Times

Careful operation is your best assurance against an accident.

All operators, no matter how much experience they may have, should carefully read this manual and other related manuals, or have the manuals read to them, before operating the stand-on compact utility loader and attachments.

- ▲ Thoroughly read and understand the "Safety Label" section. Read all instructions noted on them.
- ▲ Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.
- ▲ Operator should be familiar with all functions of the compact loader and attachments and be able to handle emergencies quickly.
- ▲ Make sure all guards and shields appropriate for the operation are in place and secured before operating the compact loader and attachments.
- ▲ Keep all bystanders away from compact loader and attachment work area.
- ▲ Start the compact loader from the operator's platform with steering levers and hydraulic controls in neutral.
- ▲ Never dismount from a moving compact loader or leave it unattended with engine running.
- ▲ Do not allow anyone to stand between an attachment and the compact loader while hooking-up.
- ▲ Keep hands, feet, and clothing away from power-driven parts.
- ▲ While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.
- ▲ Store attachment in a safe and secure area where children normally do not play. When needed, secure attachment against falling with support blocks.



Look for the Safety Alert Symbol

The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety and extra precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. Hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.

Be Aware of Signal Words

A signal word designates a degree or level of hazard seriousness. They are:

DANGER: Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

WARNING: Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION: Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

Be Aware of Special Notices

Special notices are intended to point out important and helpful information that should be followed. They are usually placed inside a box. They are:

IMPORTANT: Indicates that equipment or property damage could result if instructions are not followed.

NOTE: Indicates supplementary explanations that will be helpful when using the equipment.

Safety Precautions for Children

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to stand-on compact loaders and their work.

- ▲ Never assume children will remain where you last saw them.
- ▲ Keep children out of the work area and under the watchful eye of a responsible adult.
- ▲ Be alert and shut the attachment and machine down if children enter the work area.
- ▲ Never carry children on the machine or attachment. There is not a safe place for them to ride. They may fall off and be run over or interfere with the control of the machine.
- ▲ Never allow children to operate the power machine, even under adult supervision.
- ▲ Never allow children to play on the machine or attachment.
- ▲ Use extra caution when backing up. Before the machine starts to move, look down and behind to make sure the area is clear.

Stand-on Compact Loader Shutdown And Storage

- ▲ Reduce engine speed, park on solid, level ground, disengage auxiliary hydraulics and lower attachment until it is flat on the ground.
- ▲ Turn off engine and turn off the power switch to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressures.
- ▲ Wait for all components to stop before leaving operator's platform.
- ▲ Carefully step down from the operator's platform.

Listed below are common practices that may or may not be applicable to the products described in this manual.

Dig Safe - Avoid Underground Utilities

- **USA: Call 811**
  CAN: digsafecanada.ca
  Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.
- Be sure to ask how close you can work to the marks they positioned.

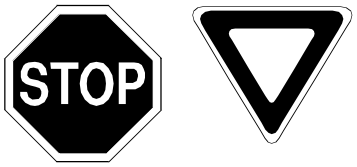


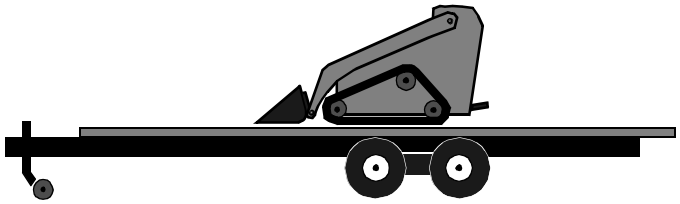
Transport Safely

- Comply with federal, state, and local laws.
- Use towing vehicle and trailer of adequate size and capacity. Secure the stand-on compact loader to the trailer with chocks, tie downs, and chains.
- Sudden braking can cause a towed trailer to swerve unexpectedly. Reduce speed if towed trailer is not equipped with brakes.
- Avoid contact with any overhead utility lines or electrically charged conductors.
- **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.

Operate Safely

- Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down slopes with heavy end of the stand-on compact loader on the “uphill” side.
- Engage park brake when stopped on an incline.





Keep Riders Off Machinery

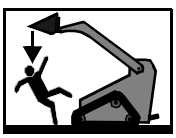
- Never carry riders on the stand-on compact loader or attachment.
- Riders obstruct operator’s view and interfere with the control of the machine.
- Riders can be struck by objects or thrown from the machine.
- Never use stand-on compact loader or attachment to lift or transport riders.



Practice Safe Maintenance

- Understand procedure before doing work. Refer to the Operator’s Manual for additional information.
- Work on a level surface in a clean dry area that is well-lit.
- Lower attachment to the ground and follow all shutdown procedures before leaving the operator’s platform to perform maintenance.
- Do not work under any hydraulically supported equipment. It can settle, suddenly leak down, or be lowered accidentally. If it is necessary to work under the equipment, securely support it with stands or suitable blocking beforehand.
- Use properly grounded electrical outlets and tools.
- Use correct tools and equipment for the job that are in good condition.
- Allow the attachment/equipment to cool before working on it.
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on the equipment.
- Inspect all parts. Make certain that parts are in good condition & installed properly.
- Replace parts on the attachment with genuine Kubota parts only. Do not alter this attachment in a way which will adversely affect its performance.
- Do not grease or oil the attachment while the attachment is in operation.
- Remove buildup of grease, oil, or debris.
- Always make sure any material and waste products from the repair and maintenance of the attachment are properly collected and disposed.
- Remove all tools and unused parts from the equipment before operation.

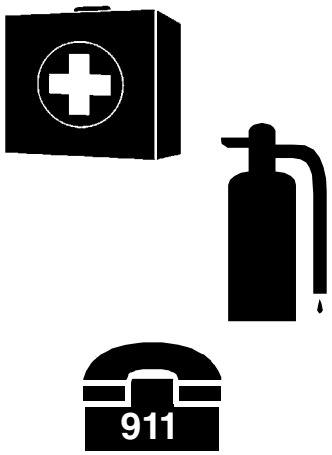





These are common practices that may or may not be applicable to the products described in this manual.

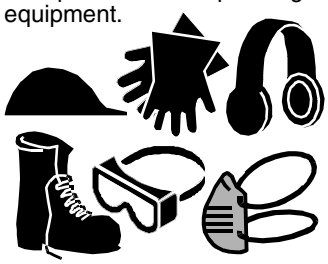
Prepare for Emergencies

- ▲ Be prepared if a fire starts.
- ▲ Keep a first aid kit and fire extinguisher handy.
- ▲ Keep emergency numbers for doctor, ambulance, hospital, and fire department near phone.



Wear Personal Protective Equipment (PPE)

- ▲ Wear protective clothing and equipment appropriate for the job such as safety shoes, safety, glasses, hard hat, dust mask, and ear plugs.
- ▲ Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- ▲ Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- ▲ Operating a machine safely requires the operator's full attention. Avoid wearing headphones while operating equipment.



Avoid High Pressure Fluids



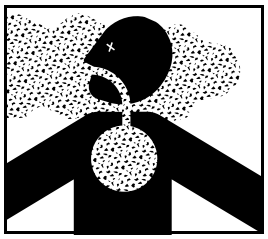
- ▲ Escaping fluid under pressure will penetrate the skin or eyes causing serious injury.
- ▲ Relieve all residual pressure before disconnecting hydraulic lines or performing work on the hydraulic system.
- ▲ Make sure all hydraulic fluid connections are properly tightened/torqued and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- ▲ Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
- ▲ Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- ▲ **DO NOT DELAY.** If an accident occurs, seek immediate emergency medical care or gangrene may result.

Listed below are common practices that may or may not be applicable to the products described in this manual.

Avoid crystalline Silica (quartz) Dust

Because crystalline silica is a basic component of sand and granite, many activities at construction sites produce dust containing crystalline silica. Trenching, sawing, and boring of material containing crystalline silica can produce dust containing crystalline silica particles. This dust can cause serious injury to the lungs (silicosis).

There are guidelines which should be followed if crystalline silica (quartz) is present in the dust.



- ▲ Be aware of and follow OSHA (or other local, State, or Federal) guidelines for exposure to airborne crystalline silica.
- ▲ Know the work operations where exposure to crystalline silica may occur.
- ▲ Participate in air monitoring or training programs offered by the employer.
- ▲ Be aware of and use optional equipment controls such as water sprays, local exhaust ventilation, and enclosed cabs with positive pressure air conditioning if the machine has such equipment. Otherwise respirators shall be worn.
- ▲ Where respirators are required, wear a respirator approved for protection against crystalline silica containing dust. Do not alter respirator in any way. Workers who use tight-fitting respirators can not have beards/ mustaches which interfere with the respirator seal to the face.
- ▲ If possible, change into disposable or washable work clothes at the work site; shower and change into clean clothing before leaving the work site.
- ▲ Do not eat, drink, use tobacco products, or apply cosmetics in areas where there is dust containing crystalline silica.
- ▲ Store food, drink, and personal belongings away from the work area.
- ▲ Wash hands and face before eating, drinking, smoking, or applying cosmetics after leaving the exposure area.

Handle Chemicals Properly

- ▲ Protective clothing should be worn.
- ▲ Handle all chemicals with care.
- ▲ Follow instructions on container label.
- ▲ Agricultural chemicals can be dangerous. Improper use can seriously injure persons, animals, plants, soil, and property.
- ▲ Inhaling smoke from any type of chemical fire can be a serious health hazard.
- ▲ Store or dispose of unused chemicals as specified by the chemical manufacturer.

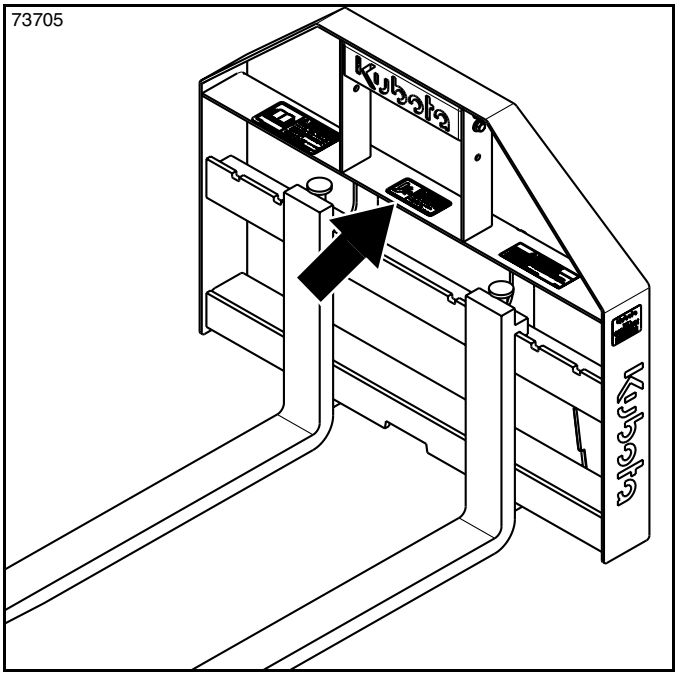


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Safety Labels

Your Compact Pallet Fork comes equipped with all safety labels in place. They are designed to help you safely operate your attachment. Read and follow their directions.

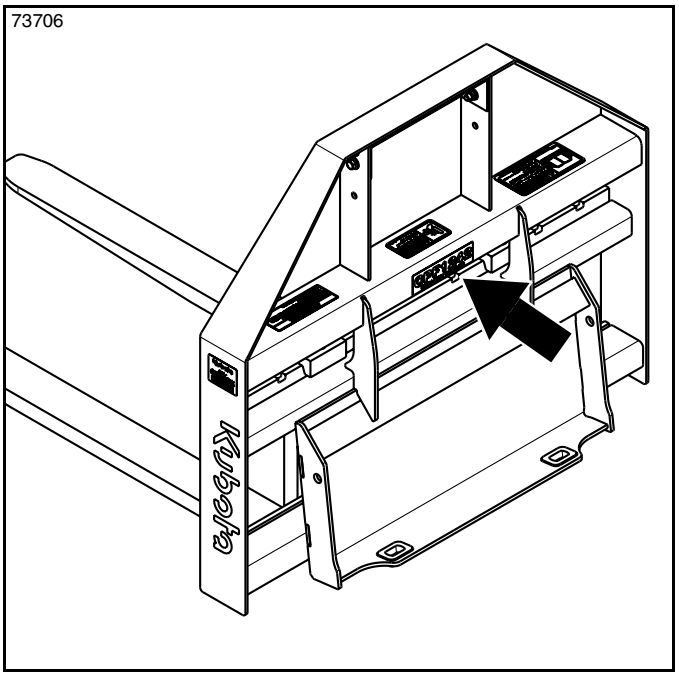
1. *Keep all safety labels clean and legible.*
2. *Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Kubota dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.*
3. *Some new equipment installed during repair requires safety labels to be affixed to the replaced component as specified by Kubota. When ordering new components make sure the correct safety labels are included in the request.*
4. *Refer to this section for proper label placement.*
   To install new labels:
   a. *Clean surface area where label is to be placed.*
   b. *Spray soapy water onto the cleaned area.*
   c. *Peel backing from label and press label firmly onto the surface.*
   d. *Squeeze out air bubbles with edge of a credit card or with a similar type of straight edge.*





818-798C

Pinch Point Hazard





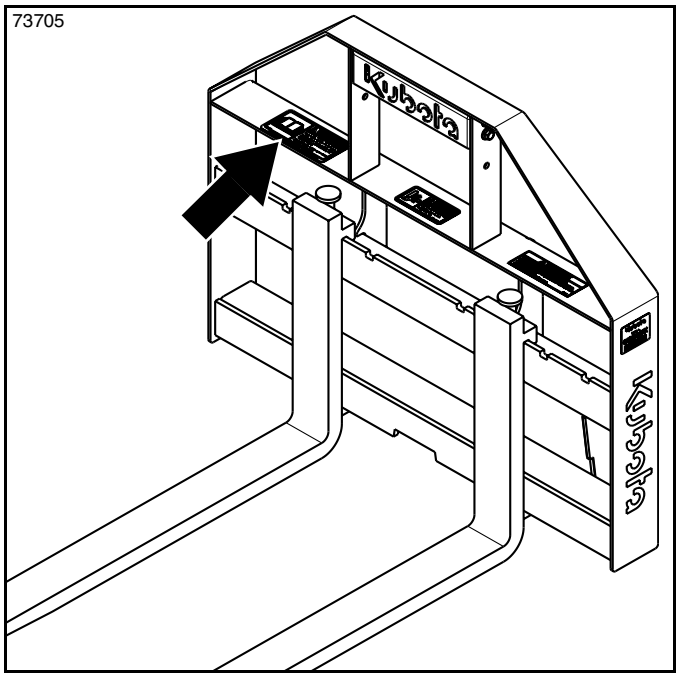
844-141C

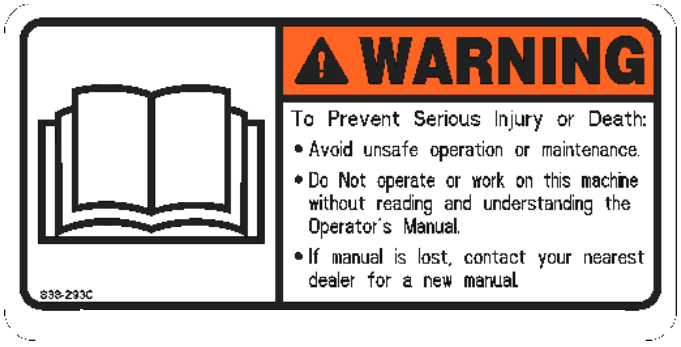
1200 lbs. Lift capacity



844-140C

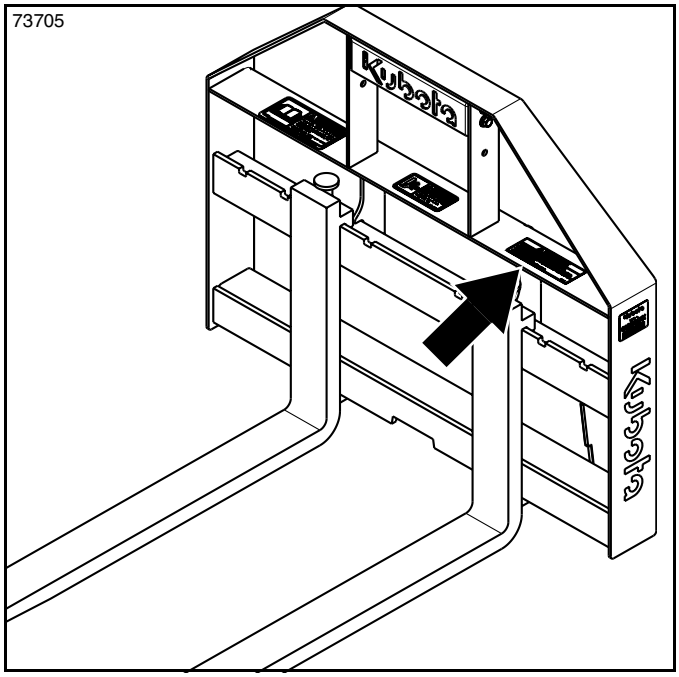
1200 lbs. Lift capacity





838-293C

Warning: Read Operator's Manual





858-971C

Warning: Pallet Fork Misuse Hazard

Kubota welcomes you to the growing family of new product owners. This pallet fork has been designed with care and built by skilled workers using quality materials. Proper assembly, maintenance, and safe operating practices will help you get years of satisfactory use from this attachment.

Application

The Kubota CPF1236 and CPF1242 Compact Pallet Forks add versatility to your compact utility loader. These forks will expand your material handling capabilities and have uses across a variety of industries including landscaping, nurseries, lumber yards, other retail outlets, construction sites, campuses and rental yards. These Pallet Forks are designed to accomplish material handling tasks more efficiently.

Both the CPF1236 with 36" (91cm) fork length and CPF1242 with a 42" (107cm) fork length have a weight lifting capacity of 1200lbs. (544kg). You'll find that this Kubota attachment will save you time and money and make getting that material handling job done a whole lot easier.

The CPF1236 and CPF1242 are designed to fit the Common Industry Interface (CII) hitch.

For additional information and performance enhancing options, see "**Specifications & Capacities**" on page 20 and "**Features & Benefits**" on page 21.

Using This Manual

- This Operator's Manual is designed to help familiarize you with safety, assembly, operation, adjustments, troubleshooting, and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.
- The information contained within this manual was current at the time of printing. Some parts may change slightly to assure you of the best performance.
- To buy a new Operator's or Parts Manual, contact your authorized dealer. Manuals can also be downloaded, free-of-charge, from our website at www.landpride.com

Terminology

"Right" or "Left" as used in this manual is determined by the direction the operator faces while sitting looking forward in the operator's seat unless otherwise stated.

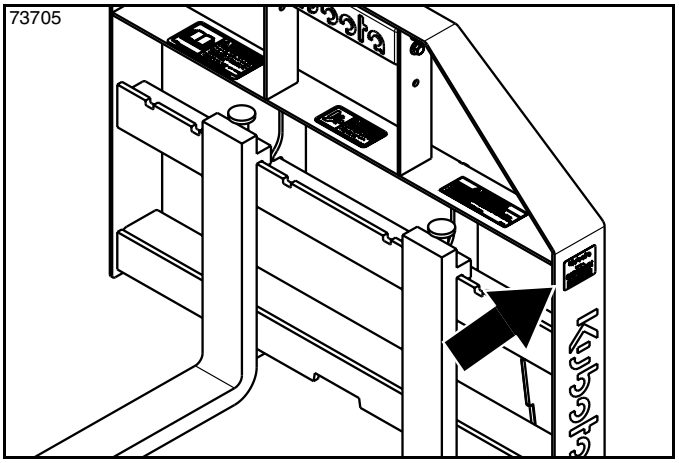
Owner Assistance

The dealer should complete the Online Warranty Registration at the time of purchase. This information is necessary to provide you with quality customer service.

The parts on your Compact Pallet Fork have been specially designed by Kubota/Land Pride and should only be replaced with genuine Kubota parts. Contact a Kubota dealer if customer service or repair parts are required. Your Kubota dealer has trained personnel, repair parts, and equipment needed to service the attachment.

Serial Number

For quick reference and prompt service, record model and serial number on the inside cover page and again on the warranty page. Always provide model number and serial number when ordering parts and in all correspondences with your Kubota dealer. For location of your serial number plate, see Figure 1.



Serial Number Plate Location
Figure 1

Further Assistance

Your Kubota dealer wants you to be satisfied with your new attachment. If for any reason you do not understand any part of this manual or are not satisfied with the service received, the following actions are suggested:

1. Discuss any problems you have with your attachment with your dealership service personnel so they can address the problem
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the question/problem, and request assistance.
3. For further assistance write to:

Kubota by Land Pride
Service Department

1525 East North Street
P.O. Box 5060
Salina, KS 67402-5060

E-mail address
lpservice@landpride.com

Compact Utility Loader Requirements

The pallet forks are designed to attach to stand-on compact loaders meeting the following requirements:

Hitch type. . . . . *CII Quick-Attach
Max. hydraulic pressure rating . . 3000 psi (20.7 MPa)
Max. hydraulic flow rate . . . . . .20 gpm (76 L/min)
Hydraulic outlets . . . . . .1 male & 1 female
SCL1000 weight. . . . . See warning below
* CII (Common Industry Interface)

WARNING

To avoid serious injury or death:

- *Consult your power machine Operator's Manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in loss of control, roll-over or other serious hazard.*
- *Power machines outside the listed horsepower range must not be used. Higher horsepower machines can damage the attachment. Under horsepower machines make the job more difficult.*
- *Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward tipping or side tipping caused by a heavy front load. Consult your power machine Operator's Manual to determine proper weight requirements and maximum weight limitations.*

Before You Start

WARNING

To avoid serious injury or death:

Allow only persons to operate this attachment who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this attachment. Serious injury or death can result from failure to read, understand, and follow instructions provided in this manual.

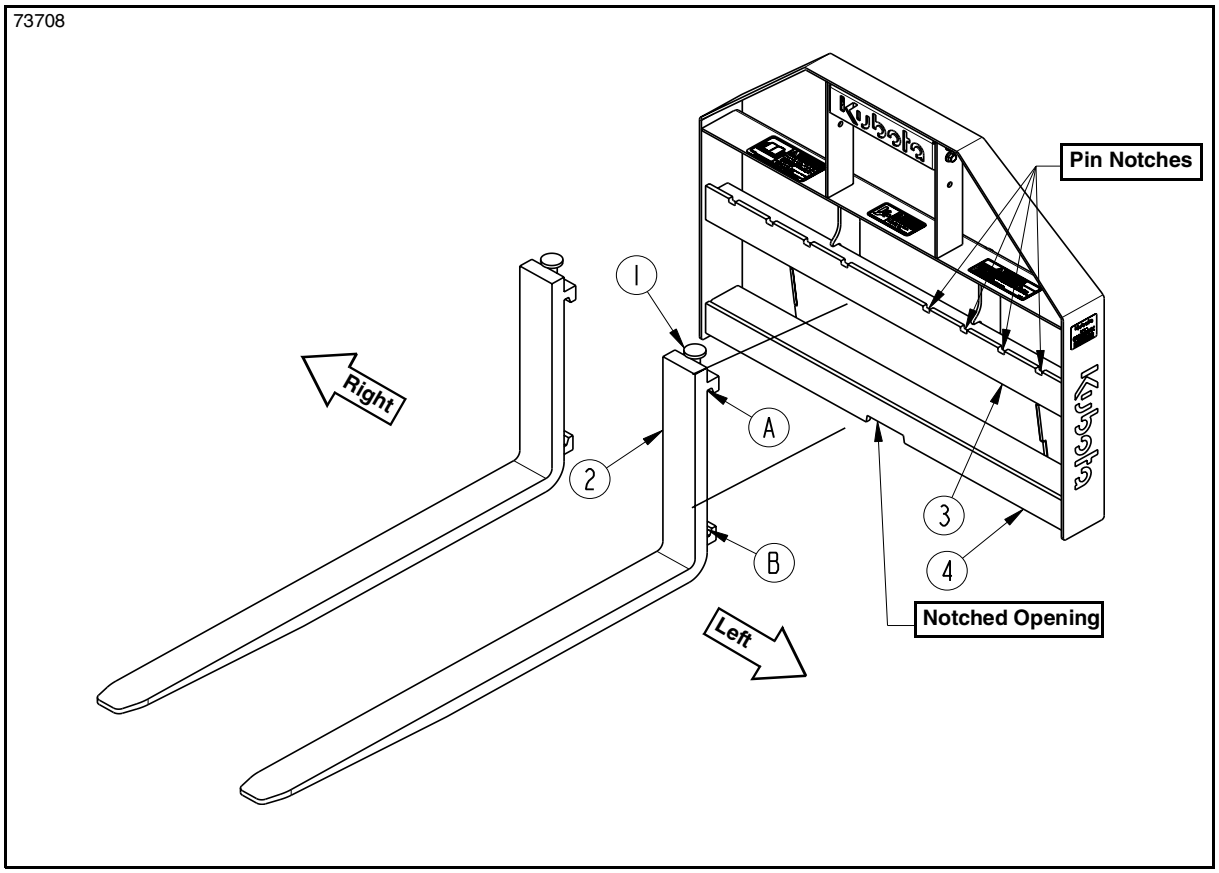
The pallet forks have been partially assembled at the factory. Some additional preparations will be necessary to finish assembling the attachment.

Make sure the intended compact loader conforms to the **"Compact Utility Loader Requirements"** provided above. Read and understand the operator's manual for your Pallet Forks. An understanding of how it works will aid in the assembly and setup.

Go through the **"Pre-Assembly Checklist"** on this page before assembling the pallet forks. Speed up your assembly task and make the job safer by having all needed parts and equipment readily at hand.

Pre-Assembly Checklist

✔	Check	Reference
☐	Have a fork lift or loader with properly sized chains and safety stands capable of lifting and supporting the equipment on hand.	
☐	Have a minimum of two people available during assembly.	
☐	Make sure all major components and loose parts are shipped with the attachment.	Operator's Manual
☐	Double check to make sure all parts, fasteners and pins are installed in the correct location to lessen the chance of using a bolt incorrectly, Refer to the Parts Manual if unsure. **NOTE:** All assembled hardware from the factory has been installed in the correct location. Remember location of a part or fastener if removed. Keep parts separated.	Operator's Manual 319-221MK Parts Manual 319-221PK
☐	Make sure working parts move freely, bolts are tight & cotter pins are spread.	Operator's Manual
☐	Make sure all safety labels are correctly located and legible. Replace if damaged.	Page 6



Fork Installation
Figure 1-1

Fork Installation

Refer to Figure 1-1:

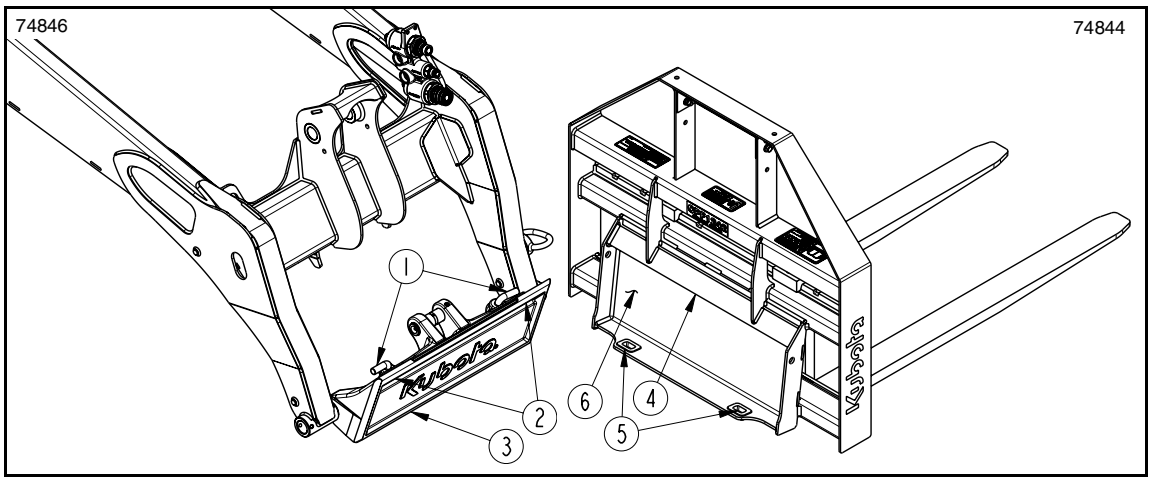
CAUTION

To avoid minor or moderate injury:

A pinching hazard exists when installing forks. Do not place hands or fingers between carrying bars and forks.

1. Rotate locking handle straight up.
2. Center upper end of fork (#2) on upper carrying bar (#3). Make sure retaining hook (A) is caught behind upper carrying bar (#3) and retaining hook (B) fits in notched opening in lower carrying bar (#4).
3. Slide fork to the left by pushing on the fork near carrying bars (#3 & #4) until locking pin (#1) is positioned over one of the pin notches.
4. Lower locking pin handle (#1) to seat pin in the selected notch. Make sure locking pin is seated and retaining hooks “A” & “B” are secured behind the carrying bars.
5. Repeat steps 1-4 for the second fork, but slide the second fork to the right.

NOTE: Never place two forks on the same side of the notched opening. Always locate them equal distance from the center of the frame.



Hook-up Pallet Fork
Figure 1-2

Hook-up Pallet Fork

⚠ DANGER

To avoid serious injury or death:

- *A crushing hazard exists when hooking-up and unhooking the attachment. Do not allow anyone to stand between attachment and power machine while approaching or backing away from the attachment. Do not operate hydraulic controls while someone is near the power machine and/or attachment.*

⚠ WARNING

To avoid serious injury or death:

- *Use steps, grab-handles, and anti-slip surfaces on the compact loader to get on and off the loader. Using unapproved stepping surfaces and/or handholds can result in a falling hazard.*
- *Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.*
- *Consult your power machine Operator's Manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in loss of control, roll-over or other serious hazard.*

CII Hitch Hook-up

***Refer to* Figure 1-2:**

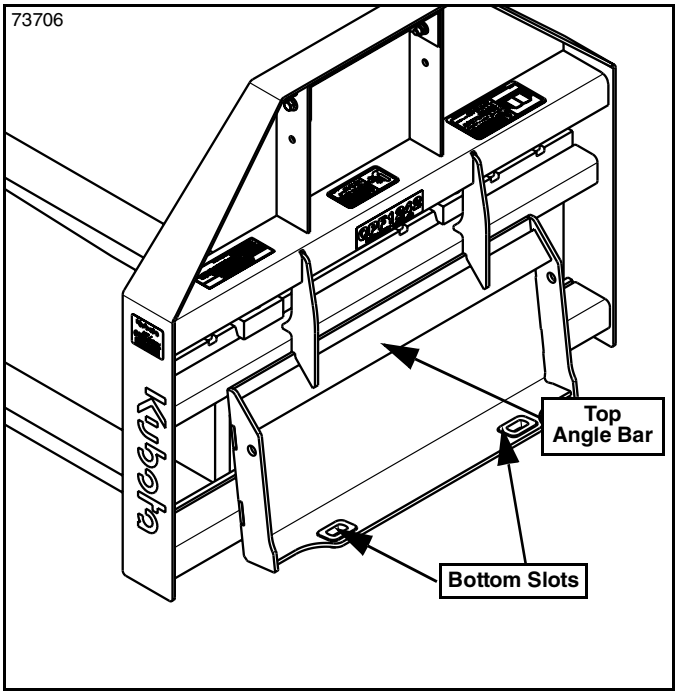
The Pallet Fork utilizes a CII receiver plate for easy connection and disconnection.

1. Check loader and pallet fork hitch plates before hooking-up the pallet forks. Make sure all components are in good working condition before putting them into service:
   a. Check for and remove any debris in the loader and pallet forks hitch plates.
   b. Check for structural cracks in the hitch plates. Repair or replace hitch plates as needed.
   c. Check hitch components frequently. Repair or replace any part that is excessively worn, bent, broken, or missing.
   d. Lubricate lock pins (#1) at the prescribed interval in your compact loader manual.
   e. Check operation of lock pins (#1). Lock pins must move freely and extend fully into the hitch plate bottom slots (#5).
2. Raise lock pins (#1) by rotating the handles 180° until they point out as shown.
3. Use anti-slip steps/surfaces and grab handles on the compact loader when stepping on and off the unit.
4. Start compact loader.
5. Drive slowly to the pallet forks while making sure the loader's hitch plate top (#2) is parallel with the pallet fork's top angle bar (#4).
6. Tilt top of loader hitch plate (#2) slightly forward.
7. Place top of loader's hitch plate (#2) under the pallet fork's top angled bar (#4) and slowly raise loader hitch plate (#3) up until the loader hitch plate is seated under the top angle bar.
8. Tilt top of loader hitch plate (#2) back until the pallet fork's hitch plate (#6) makes full contact with the face of loader hitch plate (#3) and the pallet fork's hitch plate (#6) is slightly off the ground.
9. Shut compact loader down before dismounting. Follow **"Compact Utility Loader Shutdown Procedure"** on page 15.
10. Lower lock pins (#1) by rotating the handles 180° until they point in. If needed tap on lock pins to drive them down and through bottom slots (#5).
11. Check hitch hook-up to verify it is locked properly.
    a. Make sure top of loader hitch plate (#2) is fully seated under the pallet fork's top angle bar (#4).
    b. Make sure bottom of loader hitch plate (#3) is seated against pallet fork's hitch plate (#6)
    c. Make sure lock pins (#1) are fully inserted through bottom slots (#5) and are fully down.

Unhook Pallet Fork

Refer to Figure 1-3:

1. Park on a flat, level, solid surface.
2. Lower pallet fork until it is slightly above the surface and angled so that the front of the forks are slightly higher than the back.
3. Without changing the height of the loader arms and attachment, shut compact loader down following the **"Compact Utility Loader Shutdown Procedure"** on page 15. Unhook pallet fork as follows:
4. Rotate the hitch latch pins to the unlocked position by turning them so that the handles are pointing outward. Make sure the hitch latch pins are pulled up all the way to ensure a proper disconnect.
5. Return to compact loader and tilt top of hitch plate slightly forward toward the pallet fork.
6. Slowly lower pallet fork until its top angle bar and loader hitch have separated.
7. Back compact loader slowly away from the pallet fork while making sure the CII hitch does not interfere with the pallet fork.



Pallet Fork With Receiver Hitch Plate
Figure 1-3

Fork Adjustment

Refer to Figure 2-1:

WARNING

To avoid serious injury or death:

Always adjust pallet forks an equal distance away from the center and as far apart as the pallet will allow. This will optimize load stability, protect against load shifting, and make handling the load safer.

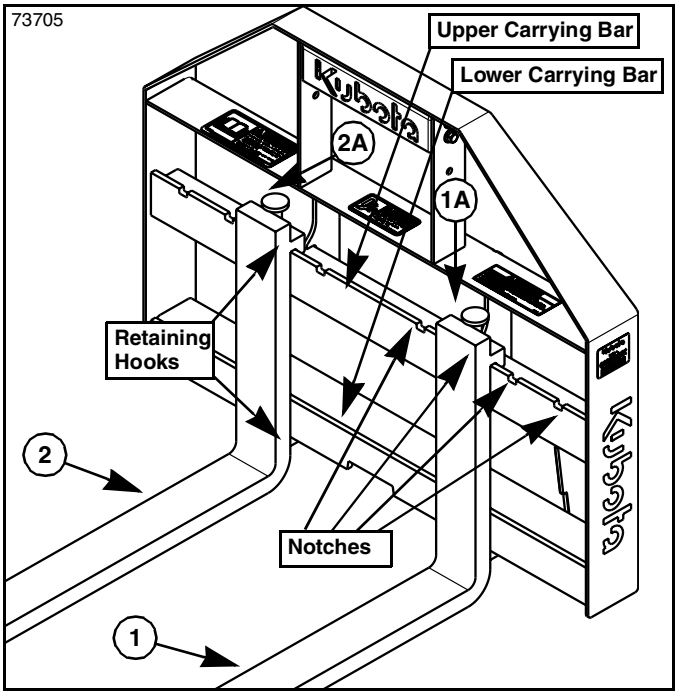
CAUTION

To avoid minor or moderate injury:

A pinching hazard exists when repositioning forks. Do not place hands or fingers between carrying bars and forks.

NOTE: Forks will adjust easier if glide surfaces are kept lubricated. See **"Pallet Fork Contact Points"** on page 19 for lubricating instructions.

1. Stop on a flat, level surface.
2. Operate dump cylinder to tilt the forks slightly lower at the front than at the back and lower loader arms until the forks are slightly above the ground.
3. Shut compact loader down following **"Compact Utility Loader Shutdown Procedure"** on page 15.
4. Rotate locking handle (#1A) straight up.
5. Slide pallet fork (#1) to the optimized load carrying width by pushing or pulling the fork near the carrying bars. Be sure to position locking pin (#1A) directly over one of the four notches in the upper carrying bar.
6. Lower locking handle (#1A) to seat locking pin in the selected notch.
   - Check locking pin to be sure it has seated.
   - Check retaining hooks to be sure they are secured behind upper and lower carrying bars.
7. Repeat steps 5-6 for fork (#2). Make sure both forks are an equal number of notches away from the middle of the upper carrying bar.



Fork Adjustment
Figure 2-1

Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training involved in the operation, transport, storage, and maintenance of the pallet fork. Therefore, it is absolutely essential that no one operates this unit unless they have read, fully understood, and are totally familiar with the Operator's Manual.

Perform the following inspections before using your Pallet Forks.

Operating Checklist

✔	Check	Page
	Read and follow all safety rules carefully. Refer to "Important Safety Information" and Safety Alert Symbols throughout this manual.	1
	Read and follow assembly & hook-up instructions. Refer to "Section 1: Assembly & Set-Up".	9
	Read and follow all operating procedures. Refer to "Section 3: Operating Procedures".	14
	Read and follow all maintenance Instructions. Refer to "Section 4: Maintenance & Lubrication".	18
	Check pallet fork initially and periodically for loose forks, hitch plate, bolts, and pins. Refer to "Torque Values Chart for Common Bolt Sizes".	23

Safety Information

DANGER

To avoid serious injury or death:

- *A crushing hazard always exists around equipment handling palletized loads. Objects on pallet can shift and fall resulting in death or serious injury.*
- *Keep bystanders, pets, and livestock away from your work area. Never allow anyone to go near or under the attachment or its load. The attachment and/or load can fall.*
- *Do not drive up to anyone or an animal in front of a fixed object such as a wall or bench. Never assume that the power machine will stop in time.*
- *Use a "spotter" when it is hard to see in the direction you are traveling and when placing a load that obstructs your vision. A person or animal could be nearby in a blind spot.*
- *Never lift objects without pallets and make sure all objects are secured before lifting them. Use extreme care when securing round objects to make sure they can't roll off.*
- *Lift only objects that have a stable base resting on the pallet. Uneven, irregular, or round bases can easily tip off or roll off the pallet.*
- *Do not lift a load that exceeds the attachment's load guard height, or has objects smaller than the openings in the load guard.*
- *While lifting or lowering load, adjust tilt cylinder to keep load slightly tilted back securing its weight against the vertical face of the forks. Tilting front of forks too much can cause the load to shift and fall onto the operator or others. Tilting front of forks level or adjust down can cause the load to fall forward.*
- *Optimize load stability and protect against load shifting. Always adjust forks so that they are evenly spaced from center of frame and as far apart as the load will allow. Keep load centered on the forks, even when stopped.*
- *Never lift a load with one fork or more than two forks. Using one fork will cause the load to be unbalanced. Using more than two forks will not increase the lift capacity and can make the job unsafe.*
- *Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to hydraulics is off.*
- *Keep attachment, loader arms, and/or load away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.*

WARNING

To avoid serious injury or death:

- *Never carry riders on the attachment or power machine. Riders can obstruct the operator's view, interfere with controls, be pinched by moving components, become entangled in rotating components, struck by objects, thrown about, fall off and be run over, etc.*
- *Allow only persons to operate this attachment who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this attachment. Serious injury or death can result from failure to read, understand, and follow instructions provided in this manual.*
- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.*
- *Check pallet fork frequently to make sure it is properly attached to loader hitch, forks are secured to the upper and lower carrying bars, and fork locking pins are seated in their notches.*
- *Consult your power machine Operator's Manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in loss of control, roll-over or other serious hazard.*
- *Do not abuse equipment. Incorrect use of the attachment can damage equipment structurally and cause serious injury or death.*
- *Do not travel across inclines where equipment could slip or roll-over. Consult your power machine Operator's Manual for acceptable inclines they are capable of crossing.*

- *Do not use forks for digging, pushing, pulling, prying, or lifting objects. Only use forks to lift palletized loads.*
- *Do not use this attachment to lift the front or back of the power machine off the ground. Doing so can damage the attachment, power machine, and/or cause serious injury or death.*
- *Do not chain or strap palletized loads to the loader arms, loader hitch, pallet fork hitch plate or forks.*
- *Do not use fork extensions. Fork extensions can damage forks, pallet fork frame, loader hitch, and overload front of machine resulting in loss of steering control and load.*
- *Always know the weight of the load being lifted. Maximum lift capacity should never exceed rated lift capacity of the pallet fork. Also, it should never exceed the operating capacity of the power unit. Use the smaller number of the two lift capacities to determine maximum lift capacity.*
- *The parts on your pallet fork have been specially designed and should only be replaced with genuine Kubota parts. Altering the equipment can adversely affect its performance and/or reliability.*
- *Always lower forks to ground level before dismounting from the compact loader. Follow manufacturer's recommendations when dismounting and parking the machine.*
- *Always store attachment in a secure position so that it will not fall over.*
- *Always stack pallets in such a manner that they will not tip or fall.*

Transport Safety

DANGER

To avoid serious injury or death:

Keep attachment, loader arms, and/or load away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.

WARNING

To avoid serious injury or death:

- *Follow all safety precautions when transporting a load. Not using safe transporting methods can damage the equipment and cause serious injury or death.*
- *Always transport loads as close to the ground as possible without hitting objects. A load carried high could shift causing the load to fall, tipping of the machine, and/or loss of control.*
- *Transporting loads over ramps, grades, bumpy, soft, or slippery surfaces reduces machine stability and lift capacity. Transporting and lifting loads under these conditions is extremely dangerous.*
- *Always travel straight up and straight down inclines. Never make turns on the incline.*
- *Always transport over ramps and inclines with the heavy end of the power machine on the "uphill" side. This may require one to drive up or back down inclines.*

Compact Utility Loader Shutdown Procedure

The following are basic stand-on compact loader shutdown procedures. Follow these procedures before leaving the operator's platform.

1. Park compact utility loader with attachment on solid, level ground.
2. Reduce engine speed.
3. Shut-off auxiliary power to the attachment.
4. Lower the loader arms until they are fully down or until the attachment is flat on the ground or on non-concrete support blocks.
5. Turn off the compact loader engine. Refer to the compact utility loader Operator's Manual for engine shut down procedures.
6. If the compact loader is equipped with a hydraulic pressure relief lever, move lever back and forth to relieve all hydraulic pressure to the attachment. See your compact utility loader Operator's Manual for additional instructions on how to release the hydraulic pressures.
7. Wait for all components to come to a complete stop before leaving the operator's platform.
8. Use grab-handle and anti-slip surfaces when getting on and off the power machine.

IMPORTANT: Let the engine idle at low throttle for 1-2 minutes before shutting engine off. This helps cool the engine before shutting off. In the case of an emergency you can shut the engine off immediately by turning the power switch to the off position.

Pallet Fork Operation

Picking up a Load

1. Make sure the load does not exceed the smaller of two lift capacities:
   - Rated lift capacity of the pallet forks.
   - Rated operating capacity of the power unit.

IMPORTANT: On heavy loads, the center of gravity should **not** be positioned more than 24" (61 cm) away from the vertical face of the forks. Picking up heavy loads positioned farther away can damage the unit and void its warranty.

2. Center forks under the pallet to evenly distribute the weight.
3. Make sure the load is balanced and secure.
4. Check for overhead obstructions.
5. Stop completely before positioning forks at the correct height.
6. Drive into the load as far as possible.
7. Lift load just off the ground and tilt it back slightly.
8. Back out slowly to clear racks or other obstacles.
9. Position load at a safe traveling height before moving. Two to four inches above the floor is recommended traveling height.

Traveling with a Load

1. Pedestrians always have the right-of-way.
2. Keep load tilted back slightly.
3. Keep forks low, two to four inches above the floor, when possible.
4. Continually scan for pedestrians or other traffic.
5. If load is large and blocks your view, travel in reverse.
6. Always drive at a safe speed and slow down when going around corners. Avoid sudden braking.
7. Leave enough clearance when turning to keep pallet forks and load from contacting obstacles such as storage racks, buildings, trees, fences, etc.
8. When traveling over a ramp or incline, keep palletized load on the “uphill” side of the compact loader.
9. When possible, travel straight up and down grades, ramps, and inclines. Avoid making turns on grades, ramps, and inclines.
10. Raise or lower load only when stopped, never while traveling.
11. Slow down when traveling over rough or hilly terrain.
12. Do not transport loads on public roadways.

Placing a Load

1. Stop in front of desired location to place the load.
2. Slowly raise load to required height.
3. Move forward slowly with load raised until load is positioned square and straight above its final destination.
4. Level load to position it for placement.
5. Lower load onto its final resting location.
6. Before backing, check for pedestrians or other traffic.
7. Once load has settled, back up slowly.
8. Make sure forks clear pallet before turning or changing fork height.
9. Lower forks before moving again.

General Operation

By now you should have familiarized yourself with the Operator's Manual for your Compact Pallet Fork. If you haven't, please do so now. We cannot stress the importance of following the safe operating procedures that are spelled out in this manual.

We recommend that you take time to practice securely attaching and detaching your pallet fork to and from your compact loader. It is also important to practice lifting, lowering, maneuvering, and placing an empty pallet on a level site until you gain the confidence and skill needed to have a good feel in what you are doing.

As you become more skilled and adept in using your Compact Pallet Fork, you will soon learn that it is always more important to focus on the don'ts than it is to focus on the dos. For example, don't exceed the lift capacity of your forks or compact loader. Don't lift your load too high creating an unstable load and unsafe situation. Don't tilt your load too far backwards, setting up a situation that could cause your load to roll or spill backwards onto you, and the compact loader. Don't drive too fast for your ground and load conditions. Don't work on or around slippery or sloped areas that could cause you to lose control of the compact loader. Don't allow pedestrians, pets, or livestock to approach the danger zone of your working area. Don't leave your compact loader with forks or load raised off of the ground.

Do not transport a load on public roadways. When transporting attachment without load on public roadways transport in a way that allows faster moving vehicles to pass safely. Avoid heavy traffic roadways.

If you just follow these few safety reminders, you will find that you will quickly become very adept, handy, and skillful at using your Kubota Pallet Fork.

See **"Specifications & Capacities"** on page 20 and **"Features & Benefits"** on page 21 of your Operator's Manual for additional information.

General Maintenance

DANGER

To avoid serious injury or death:

Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to hydraulics is off.

WARNING

To avoid serious injury or death:

- *Make sure controls are all in neutral position or park before starting the power machine.*
- *Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the attachment back into service.*
- *Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.*

Proper servicing and adjustments are key to the long life of any attachment. With careful inspection and routine maintenance, you can avoid costly downtime and repair.

1. After using your pallet fork for a few lifts, check forks to make sure they are still secured to the frame and check pallet fork to make sure the frame is still properly attached to the loader hitch.
2. Check forks to make sure they are not damaged, cracked, broken, or worn excessively. Repair or replace as needed.
3. Always remove any material that has become entangled in the forks before continuing to use them.
4. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride dealer.

Long-Term Storage

WARNING

To avoid serious injury or death:

- *Always shut power machine down following the "Shutdown Procedure" provided in this manual before leaving the operator's platform.*
- *Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.*

Clean, inspect, service, and make necessary repairs to the attachment when storing it for long periods and at the end of the season. This will help ensure the unit is ready for field use the next time you hook-up to it.

1. Remove any dirt and grease that may have accumulated on the pallet fork. Scrape off compacted dirt and then wash its surface thoroughly with water.A coating of oil may also be applied to areas where paint is worn off to minimize oxidation.
2. Inspect Pallet Fork for loose, damaged, or worn parts and adjust or replace when needed.
3. Lubricate as noted on Page 19.
4. Store pallet fork inside a building and away from human activity if possible. Inside storage will reduce maintenance and make for a longer life.
5. Repaint parts where paint is worn or scratched to prevent rust. Ask your Kubota dealer for touch-up paint. Paint is available in aerosol can, quarts, and gallon sizes. Paint is also available in touch-up bottles with brush, quarts, and gallon sizes by adding TU, QT, or GL to the end of the aerosol part number. See chart below.

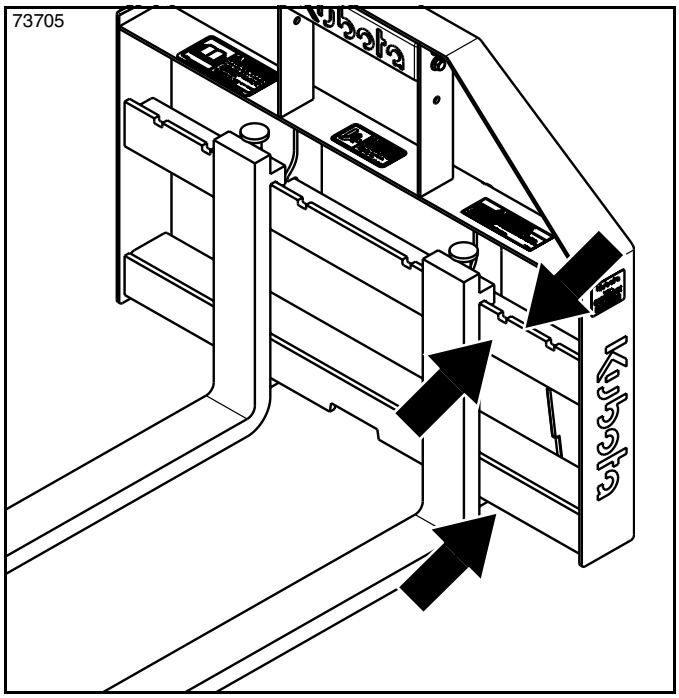
Touch-Up Paint

Part No.	Part Description
821-070C	Gloss black enamel spray can
821-070CTU	Gloss black enamel bottle with brush
821-070CQT	Gloss black enamel quart
821-070CGL	Gloss black enamel gallon

6. Replace all damaged or missing decals.
7. Follow all unhooking instructions on page 12 when disconnecting skid steer or tractor from the Compact Pallet Fork.
8. Do not allow children to play on or around the stored Pallet Fork.

Lubrication Points

Lubrication Legend	Multi-purpose spray lube	Multi-purpose grease lube	Multi-purpose oil lube	50 Hrs	Intervals in hours at which lubrication is required





Pallet Fork Contact Points

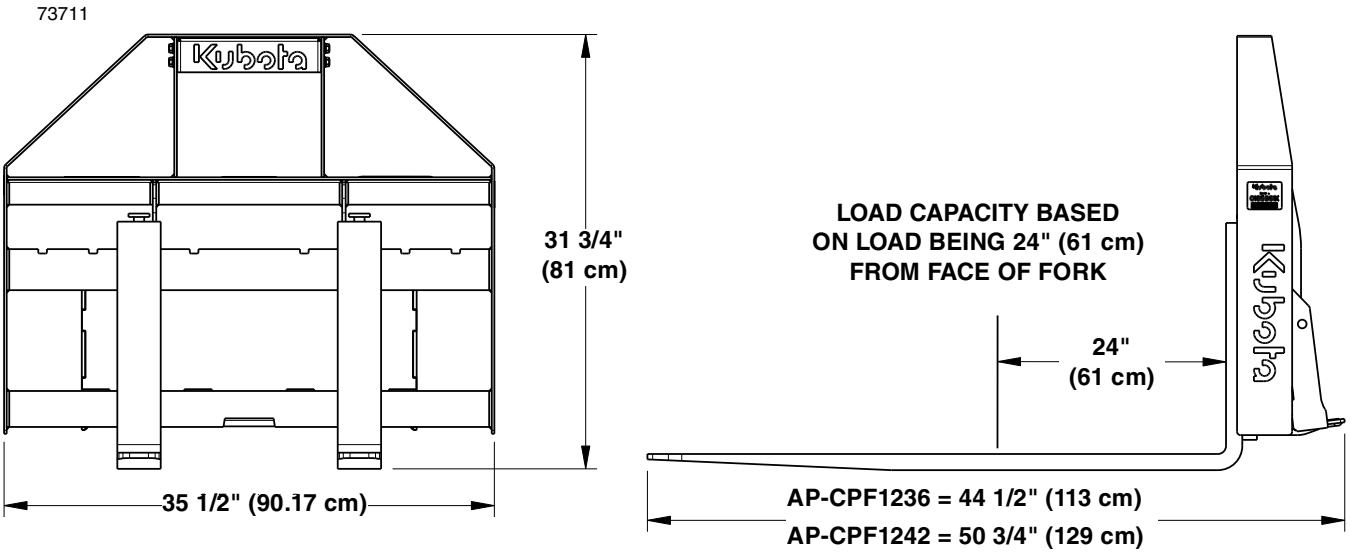
Top & face of upper carrying bar
Face of lower carrying bar

Type of Lubrication: Multi-purpose Grease

Quantity = As needed

CPF12 Series

List	Specifications & Capacities		
		CPF1236	CPF1242
Weight	lbs (kg)	224 lbs(102 kg)	234 lbs(106 kg)
Lift Capacity	lbs (kg)	1,200 (544 kg)	
	in (cm)	Lift capacity is based on load being 24" (61 cm) from vertical face of fork. Load must be palletized and supported by two forks.	
Class		I	
Frame Width	in (cm)	35 1/2" (90.17cm)	
Frame Height	in (cm)	31 3/4" (81 cm)	
Tine Thickness	in (cm)	1 1/4" (3 cm)	
Tine Width	in (cm)	3" (8 cm)	
Tine Length	in (cm)	36" (91 cm)	42" (107 cm)
Fork Positioning Lock		Spring Loaded Toggle	



CPF12 Series

Features	Benefits
CII hitch	The Compact Pallet Fork can be easily attached to the compact loader.
Tall rear guard	Keep loads from slipping backwards.
Easy adjustable forks	Forks slide easily on carrying bars from one position to another. Simply rotate locking handles up and slide forks to their new positions. Rotate locking handles down to secure forks in their new position.
Two fork lengths **1,200 lbs. with 36" forks** **1,200 lbs. with 42" forks**	Meets most needs for load handling on customer owned compact loader.

Troubleshooting Chart

Problem	Cause	Solution
Cannot lift pallet	Pallet load is too heavy.	Reduce load on pallet.
Forks are shifting sideways on carrying bars	Locking pin handle is not engaged in notches.	Position locking pins over notches on carrying bar and rotate locking handle down to engage locking pin.
Forks are bending or breaking	The load's center of gravity is more than 24" (61 cm) away from vertical face of forks.	Reposition load on pallet so that center of gravity is closer to the vertical faces.
	Pallet load is too heavy.	Reduce load on pallet.
	Prying objects out of the ground.	Never use forks to pry objects.
Pallet load is shifting	Load is not properly secured on pallet.	Secure load to pallet.
	Load is not properly centered on pallet.	Center load on pallet.
	Load is being carried too high.	Recommended carrying height is 2" to 4" (5 cm to 10 cm) above the floor.
	Forks are too close to each other.	Adjust forks an equal distance away from the center and as far apart as the pallets will allow.
	Traveling with forks level or tilted down at the front.	Tilt forks back ensuring the front is slightly higher than the back.
	Traveling too fast.	Reduce speed to a safe, non-bouncing speed.
	Traveling sideways to an incline.	Travel straight up and down inclines.
	One fork is bent.	Replace bent fork.
	Pallet fork hitch plate is not properly attached to loader hitch.	Reattach pallet fork hitch plate to loader hitch. Always make certain hitch is properly attached before lifting a load.

Torque Values Chart for Common Bolt Sizes

Bolt Size (inches)	Bolt Head Identification Grade 2		Grade 5		Grade 8	
in-tpi [1]	N · m [2]	ft-lb [3]	N · m	ft-lb	N · m	ft-lb
1/4" - 20	7.4	5.6	11	8	16	12
1/4" - 28	8.5	6	13	10	18	14
5/16" - 18	15	11	24	17	33	25
5/16" - 24	17	13	26	19	37	27
3/8" - 16	27	20	42	31	59	44
3/8" - 24	31	22	47	35	67	49
7/16" - 14	43	32	67	49	95	70
7/16" - 20	49	36	75	55	105	78
1/2" - 13	66	49	105	76	145	105
1/2" - 20	75	55	115	85	165	120
9/16" - 12	95	70	150	110	210	155
9/16" - 18	105	79	165	120	235	170
5/8" - 11	130	97	205	150	285	210
5/8" - 18	150	110	230	170	325	240
3/4" - 10	235	170	360	265	510	375
3/4" - 16	260	190	405	295	570	420
7/8" - 9	225	165	585	430	820	605
7/8" - 14	250	185	640	475	905	670
1" - 8	340	250	875	645	1230	910
1" - 12	370	275	955	705	1350	995
1-1/8" - 7	480	355	1080	795	1750	1290
1-1/8" - 12	540	395	1210	890	1960	1440
1-1/4" - 7	680	500	1520	1120	2460	1820
1-1/4" - 12	750	555	1680	1240	2730	2010
1-3/8" - 6	890	655	1990	1470	3230	2380
1-3/8" - 12	1010	745	2270	1670	3680	2710
1-1/2" - 6	1180	870	2640	1950	4290	3160
1-1/2" - 12	1330	980	2970	2190	4820	3560

Bolt Size (Metric)	Bolt Head Identification Class 5.8		Class 8.8		Class 10.9	
mm x pitch [4]	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb
M 5 X 0.8	4	3	6	5	9	7
M 6 X 1	7	5	11	8	15	11
M 8 X 1.25	17	12	26	19	36	27
M 8 X 1	18	13	28	21	39	29
M10 X 1.5	33	24	52	39	72	53
M10 X 0.75	39	29	61	45	85	62
M12 X 1.75	58	42	91	67	125	93
M12 X 1.5	60	44	95	70	130	97
M12 X 1	90	66	105	77	145	105
M14 X 2	92	68	145	105	200	150
M14 X 1.5	99	73	155	115	215	160
M16 X 2	145	105	225	165	315	230
M16 X 1.5	155	115	240	180	335	245
M18 X 2.5	195	145	310	230	405	300
M18 X 1.5	220	165	350	260	485	355
M20 X 2.5	280	205	440	325	610	450
M20 X 1.5	310	230	650	480	900	665
M24 X 3	480	355	760	560	1050	780
M24 X 2	525	390	830	610	1150	845
M30 X 3.5	960	705	1510	1120	2100	1550
M30 X 2	1060	785	1680	1240	2320	1710
M36 X 3.5	1730	1270	2650	1950	3660	2700
M36 X 2	1880	1380	2960	2190	4100	3220

[1] in-tpi = nominal thread diameter in inches-threads per inch

[2] N· m = newton-meters

[3] ft-lb= foot pounds

[4] mm x pitch = nominal thread diameter in millimeters x thread pitch

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.

All locknuts or lubricated fasteners: Use 75% of torque value. (i.e. 1/2"-13 GR5 = 76 ft-lb; 75% of 76 or .75 x 76 = 57 ft-lb)

Warranty

Land Pride warrants to the original purchaser that this Land Pride product will be free from defects in material and workmanship beginning on the date of purchase by the end user according to the following schedule when used as intended and under normal service and conditions for personal use.

Overall Unit: One year Parts and Labor

This Warranty is limited to the repair or replacement of any defective part by Land Pride and the installation by the dealer of any such replacement part, and does not cover common wear items. Land Pride reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

This Warranty does not apply to any part or product which in Land Pride's judgment shall have been misused or damaged by accident or lack of normal maintenance or care, or which has been repaired or altered in a way which adversely affects its performance or reliability, or which has been used for a purpose for which the product is not designed. Misuse also specifically includes failure to properly maintain oil levels, grease points, and driveline shafts.

Claims under this Warranty should be made to the dealer which originally sold the product and all warranty adjustments must be made through an authorized Land Pride dealer. Land Pride reserves the right to make changes in materials or design of the product at any time without notice.

This Warranty shall not be interpreted to render Land Pride liable for damages of any kind, direct, consequential, or contingent to property. Furthermore, Land Pride shall not be liable for damages resulting from any cause beyond its reasonable control. This Warranty does not extend to loss of crops, any expense or loss for labor, supplies, rental machinery or for any other reason.

No other warranty of any kind whatsoever, express or implied, is made with respect to this sale; and all implied warranties of merchantability and fitness for a particular purpose which exceed the obligations set forth in this written warranty are hereby disclaimed and excluded from this sale.

This Warranty is not valid unless registered with Land Pride within 30 days from the date of original purchase.

IMPORTANT: The Online Warranty Registration should be completed by the dealer at the time of purchase. This information is necessary to provide you with quality customer service.

Model Number _____ **Serial Number** _____

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