4-in-1 Combo Buckets
AP-CB2568, AP-CB2574, & AP-CB2580

381-128MK
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.
**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.

<table>
<thead>
<tr>
<th>Model Number</th>
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**Dealer Contact Information**

Name: ____________________________
Street: ____________________________
City/State: _________________________
Telephone: _________________________
Email: ____________________________

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California Proposition 65

⚠️ WARNING: Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.p65warnings.ca.gov)
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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 power machine and this attachment.

> 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 skid steer and attachment 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 attachment.
> Keep all bystanders away from equipment and work area.
> Start skid steer from the driver’s seat with steering levers and hydraulic controls in neutral.
> Operate skid steer and controls from the driver’s seat only.
> Never dismount from a moving skid steer or leave skid steer unattended with engine running.
> Do not allow anyone to stand between attachment and skid steer 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 an 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 involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, 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. The signal words are:

![WARNING](image)
Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

![CAUTION](image)
Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

Safety Precautions for Children
Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to attachments 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 skid steer/track loader down if children enter the work area.
> Never carry children on the power 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 power machine.
> Never allow children to operate the power machine, even under adult supervision.
> Never allow children to play on the power machine or attachment.
> Use extra caution when backing up. Before the power machine starts to move, look down and behind to make sure the area is clear.

Skid Steer Shutdown And Storage

> Reduce engine speed and shut-off all power to the attachment.
> Park on solid, level ground and lower attachment until it is flat on the ground or support blocks.
> Turn off engine, and remove switch key to prevent unauthorized starting.
> Relieve all hydraulic pressures.
> If included, raise seat bar and move controls until both lock.
> Wait for all components to stop before leaving operator’s seat.
> Use steps, grab-handles and anti-slip surfaces when stepping on and off the skid steer.
> Detach and store attachment in an area where children normally do not play. Secure attachment by using blocks and supports.
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 equipment towed on a trailer with chocks, tie downs, and chains.
▲ Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.
▲ Avoid contact with any overhead utility lines or electrically charged conductors.
▲ Always drive with load on end of loader arms low to the ground.
▲ Always drive straight up and down steep inclines with heavy end of skid steer on the “uphill” side.
▲ Engage park brake when stopped on an incline.
▲ Maximum transport speed for an attached equipment is 20 mph. DO NOT EXCEED. Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
▲ As a guideline, use the following maximum speed weight ratios for attached equipment:
  20 mph when weight of attached equipment is less than or equal to the weight of machine towing the equipment.
  10 mph when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
▲ IMPORTANT: Do not tow a load that is more than double the weight of the vehicle towing the load.

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 seat to perform maintenance.
▲ Do not work under any hydraulic 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 equipment to cool before working on it.
▲ Disconnect battery ground cable (−) before servicing or adjusting electrical systems or before welding on equipment.
▲ Inspect all parts. Make certain parts are in good condition & installed properly.
▲ Replace parts on this 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 attachment while it 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.

Tire Safety

▲ Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
▲ Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator’s Manual.
▲ When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
▲ Securely support the attachment when changing a wheel.
▲ When removing and installing wheels, use wheel handling equipment adequate for the weight involved.
▲ Make sure wheel bolts have been tightened to the specified torque.

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 seat to perform maintenance.
▲ Do not work under any hydraulic 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.
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▲ 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, and earplugs.
- 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 equipment safely requires the operator’s full attention. Avoid wearing headphones while operating equipment.

### Avoid High Pressure Fluids Hazard
- Escaping fluid under pressure can penetrate the skin 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 tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

### Use Personal Protective Equipment (PPE)
- Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, and earplugs.
- 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 equipment safely requires the operator’s full attention. Avoid wearing headphones while operating equipment.

### Use Safety Lights and Devices
- Slow moving tractors, skid steers, and self-propelled machines can create a hazard when driven on public roads. They are difficult to see, especially at night. Use the Slow Moving Vehicle (SMV) sign whenever on public roads.
- Flashing warning lights and turn signals are recommended whenever driving on public roads.

### Use Seat Belt and ROPS
- Kubota recommends the use of a CAB or roll-over-protective-structures (ROPS) and seat belt in almost all power machines.
- Combination of a CAB or ROPS and seat belt will reduce the risk of serious injury or death if the power machine should be upset.
- If ROPS is in the locked-up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.

### Keep Riders Off Machinery
- Never carry riders on skid steer or attachment.
- Riders obstruct operator’s view and interfere with the control of the power machine.
- Riders can be struck by objects or thrown from the equipment.
- Never use skid steer or attachment to lift or transport riders.
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.

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 is a serious health hazard.
- Store or dispose of unused chemicals as specified by the chemical manufacturer.

- 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.
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Safety Labels

Your 4-in-1 Combination Bucket 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.

---

**WARNING**

**818-045C**

Warning! Pinch Point or Crushing Hazard
2-Places: On the left-hand and right-hand side plates

---

**WARNING**

**838-293C**

Warning! To Prevent Injury or Death
1-Place: On the back side of the bucket

---

**WARNING**

**838-094C**

Warning! High Pressure Fluid Hazard
1-Place: On the back side of the bucket
Important Safety Information

Table of Contents

[Image of a bucket with an arrow indicating a utility hazard]

**WARNING**

**UNDERGROUND UTILITIES HAZARD**

CALL BEFORE YOU DIG
Call 811 (U.S. only)
or
Call Local Utilities

**858-237C**

Warning! Underground Utility Hazard
1-Place: On the back side of the bucket
Kubota welcomes you to the growing family of new product owners. This 4-in-1 Combination Bucket 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 4-in-1 Combination Buckets, Models CB2568, CB2574, and CB2580 have uses and applications in construction sites, farming, ranching, feedlots, nurseries, orchards, and parks. They have the capability to quickly and conveniently turn your skid steer into a combination bucket loader for loading, carrying, and dumping dirt, sand, gravel, and other materials. Use the jaw as a grapple to pick up loose materials such as large rocks, tree branches, sticks, loose hay, silage, and manure. Fully open, the jaw can be used for digging, scraping, leveling, and finish grading with dirt, gravel, and sand, or as a dozer for digging, moving and backfilling dirt, gravel, sand, and similar materials.

The optional spill guard adds bucket capacity and helps hold loose materials in the bucket when picking up a load and when transporting a load.

Whichever model you select (68", 74", or 80"), you’ll find that these Kubota attachments will save you time and money and make getting that material handling job done a whole lot easier.

For additional information and performance enhancing options, see “Specifications & Capacities” on page 23 and “Features & Benefits” on page 24.

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 order 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 facing the direction the machine will operate while in use unless otherwise stated.

Definitions

**IMPORTANT:** A special point of information related to the following topic. Kubota’s intention is this information must be read & noted before continuing.

**NOTE:** A special point of information that the operator should be aware of before continuing.
Skid Steer Requirements
The 4-in-1 Combination Bucket is designed to attach to skid steer loaders with the following minimum requirements:

- Hitch type: Universal Quick Attach
- Maximum hydraulic pressure rating: 3,500 psi
- Hydraulic connections: 2 outlets

WARNING
To avoid serious injury or death:
- Consult your power machine’s manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in a roll-over or other serious hazard.
- 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.

Torque Requirements
Refer to “Torque Values Chart” on page 26 to determine correct torque values when tightening hardware.

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, who are properly trained to operate the attachment safely, and who are age 16 or older. Serious injury or death can result from the failure to read, understand, and follow instructions provided in this manual.

Make sure the intended skid steer conforms to the “Skid Steer Requirements” stated above. Read and understand the operator’s manual for your 4-in-1 Combination Bucket. An understanding of how it works will aid in the assembly and setup of your bucket.

Go through the “Pre-Assembly Checklist” on this page before assembling the 4-in-1 Combination Bucket. Speed up your assembly task and make the job safer by having all needed parts and equipment readily at hand.

Pre-Assembly Checklist

<table>
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<tr>
<th>Check</th>
<th>Ref.</th>
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<tr>
<td>Have a hoist, forklift, or loader with properly sized chains and safety stands capable of lifting and supporting the equipment on hand.</td>
<td>- Operator’s Manual 381-128MK</td>
</tr>
<tr>
<td>Have a minimum of two people available during assembly.</td>
<td>- Parts Manual 381-128PK</td>
</tr>
<tr>
<td>Make sure all major components and loose parts are shipped with the attachment.</td>
<td>- Operator’s Manual 381-128MK</td>
</tr>
<tr>
<td>Double check to make sure all parts, fasteners, and pins are installed in the correct location. Refer to the Parts Manual if unsure.</td>
<td>- Parts Manual 381-128PK</td>
</tr>
<tr>
<td>Make sure working parts move freely, bolts are tight &amp; cotter pins are spread.</td>
<td>- Operator’s Manual</td>
</tr>
<tr>
<td>Make sure all grease fittings are in place and lubricated.</td>
<td>- Page 22</td>
</tr>
<tr>
<td>Make sure all safety labels are correctly located and legible. Replace if damaged.</td>
<td>- Page 6</td>
</tr>
</tbody>
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Skid Steer Shutdown
The following are basic skid steer shutdown procedures. Follow these procedures and any additional shutdown procedures provided in your skid steer Operator’s Manual before leaving the operator’s seat.

1. Reduce engine speed and shut-off all power to the attachment.
2. Park on solid, level ground and lower attachment until it is flat on the ground or on non-concrete support blocks.
3. Turn off engine, and remove switch key to prevent unauthorized starting.
4. Relieve all hydraulic pressure to auxiliary hydraulic lines.
5. If included, raise seat bar and move controls until both lock.
6. Wait for all components to come to a complete stop before leaving the operator’s seat.
7. Use steps, grab-handles and anti-slip surfaces when stepping on and off the skid steer or attachment.
Skid Steer Hook-Up

Refer to Figure 1-1:

⚠️ DANGER

To avoid serious injury or death:
A crushing hazard exists while 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 lift and/or tilt controls while someone is near the power machine and/or attachment.

⚠️ WARNING

To avoid serious injury or death:
Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.

NOTE: The 4-in-1 Combination Bucket is designed for hooking-up to skid steers only.

1. Check for and remove any debris in the hitch point areas before hooking-up bucket.
2. Drive skid steer slowly to the bucket hitch plate making sure the skid steer universal quick attach hitch is parallel with the bucket’s top angle bar.
3. Rotate top of skid steer hitch slightly forward.
4. Place top of skid steer hitch under the top angled bars on the bucket hitch plate. Slowly raise skid steer hitch up until it is fully seated under the top angle bars.
5. Rotate top of skid steer hitch back until bucket hitch plate makes full contact with face of skid steer hitch.
6. Push lock handles on skid steer hitch down ensuring lock pins go through bottom slots in bucket hitch plate. Make sure lock handles are in the locked down position.

Hydraulic Hose Hook-Up

⚠️ WARNING

To avoid serious injury or death:
- Lock auxiliary hydraulics of your power unit in the “OFF” position. Locking auxiliary hydraulics “ON” can result in serious injury or death.
- Hydraulic fluid under high pressure can penetrate the skin and/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. A doctor familiar with this type of injury must treat the injury within a few hours or gangrene may result. DO NOT DELAY.

IMPORTANT: Make sure coupler fittings on hydraulic hoses and skid steer are clean before connecting them together.

NOTE: Refer to Figure 1-1:
The bucket is shipped with elbows (#7) assembled to hydraulic hoses (#1 & #2). Shipped loose with the bucket are two straight adapters (#8) that can be switched out with elbows (#7) to provide an alternate hose fit-up arrangement to the skid steer couplers.
Equipment Clearances

It is important to check clearance before putting bucket into operation. Make sure hoses are long enough and won't become pinched or entangled in the equipment. Also, make sure the bucket does not come in contact with the skid steer frame, tires, cylinders, etc. by carefully going through its full range of motions.

1. Visually inspect hydraulic hoses for possible pinch points and shortness. Make hose adjustments before putting equipment into service.
2. Start skid steer and raise bucket approximately 12” off the ground.
3. If necessary, have someone stand nearby that can motion for the operator to stop if a problem develops while completing steps 4-7 below.
4. Fully extend hydraulic cylinder to pivot jaw fully down.
5. Raise loader arms just enough for bucket to clear the ground.
6. Fully extend and retract tilt cylinders on end of loader arms while watching for interferences between skid steer and bucket frame. Make sure hydraulic hoses are long enough and do not become pinched through the full range of motion.
7. Fully retract hydraulic cylinder to pivot bucket jaw fully up and repeat step 5.
8. Raise bucket fully up and repeat steps 4-6.

Purge Hydraulic System

IMPORTANT: The hydraulic cylinders and/or hoses can contain air and should be purged before use. Not purging hydraulic cylinders and hoses of air can cause uneven, jerky cylinder movement.

1. With bucket raised off the ground about 12”, cycle bucket hydraulic cylinders several times from fully extended to fully retracted.

Refer to Figure 1-1 on page 10:

2. If cylinders operate unevenly after cycling it several times, then purge the system as follows:
   a. Loosen straight adapter fittings (#5) at rod end of hydraulic cylinders.
   b. Slowly retract and extend hydraulic cylinders to purge any trapped air from the system.
   c. Tighten straight adapter fittings (#5) to hydraulic cylinders once all trapped air is removed.
Counterbalance Valve Option
The counterbalance valve is assembled to the bucket at the factory unless purchased later.

381-101A Counterbalance Valve Assembly
Refer to Figure 2-1:
1. Unscrew hydraulic hoses (#4L, #4R, #5L, & #5R) from tee fittings (#13).
2. Unscrew hydraulic hoses (#6, & #7) from elbow fittings (#12).
3. Remove hex whiz nuts (#2A), hex bolts (#1), and mounting bracket (#3) from back of bucket frame.
4. Remove hex whiz nuts (#14), u-bolt (#11), and fittings (#12 & #13) from mounting bracket (#3). Keep mounting bracket (#3) and hardware (#1 & #2A) for reuse.
5. Unscrew hydraulic hoses (#4L & #4R) from orifice fittings (#8L & #8R).
6. Remove orifice fittings (#8L & #8R) from hydraulic ports “A” on the rod end of the hydraulic cylinders.
7. Discard or store fittings (#8L, #8R, #12, & #13), u-bolt (#12), and hex whiz nuts (#14).
8. Screw straight adapters (#8A, 8B, 8C, 8D, 8E, & 8F) to ports (LR, EXT, RET, RR, & RB) in counter balance valve (#10) until tight.
9. Screw new straight adapters (#8L & #8R) in hydraulic cylinders ports “A” until tight.
10. Screw hydraulic hoses (#4L & #4R) to straight adapters (#8L & #8R) as shown until tight.
11. Attach counterbalance valve (#10) to mounting bracket (#3) with 5/16”-18 x 2 1/2” GR5 bolts (#9) and hex whiz nuts (#2B). Tighten hex whiz nuts to the correct torque.
12. Insert tab of mounting bracket (#3) in slot “B” and secure to the bucket with existing 5/16”-18 x 3/4” GR5 hex head bolts (#1) and hex whiz nuts (#2A). Tighten hex whiz nuts to the correct torque.
13. Select hydraulic hose (#6 or #7) with the coupler that mates the skid steer high pressure coupler and screw that hose to straight adapter (#8C) until tight.
14. Screw the remaining hydraulic hose (#6 or #7) to straight adapter (#8B) until tight.
15. Screw lower hydraulic hose (#5L) to adapter (#8A) until tight.
16. Screw upper hydraulic hose (#4L) to straight adapter (#8D) until tight.
17. Screw upper hydraulic hose (#4R) to straight adapter (#8E) until tight.
18. Screw lower hydraulic hose (#5R) to straight adapter (#8F) until tight.

NOTE: New straight adapters (#8L & #8R) are not orificed fittings.
Spill Guard Option

The spill guard is assembled to the bucket at the factory unless purchased later.

381-118A  68" Spill Guard Assembly
381-117A  74" Spill Guard Assembly
381-100A  80" Spill Guard Assembly

Refer to Figure 2-2:

1. Remove hex nuts (#3) and bolts (#4) from pivot pins (#5).
2. Drive pivot pins (#5) outward until flush with face of inside pivot holes as shown on the right-hand side.
3. Attach spill guard (#1) to the back top lip of the bucket with 5/16"-18 x 1" GR5 hex head bolts (#2). Do not tighten bolts at this time.
4. Drive pivot pins (#5) inward and reinsert bolts (#4).
5. Secure bolts (#4) with 5/16"-18 nuts (#3). Tighten nuts to the correct torque for GR5 bolts.
6. Tighten hex head bolts (#2) to the correct torque.
Section 3: Operating Procedures

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 4-in-1 Combination Bucket. Therefore, it is absolutely essential that no one operates this unit unless they are age 16 or older and have read, fully understood, and are totally familiar with the Operator’s Manual.

Perform the following inspections before using your Combo Buckets

<table>
<thead>
<tr>
<th>Operating Checklist</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Check</strong></td>
</tr>
<tr>
<td>Read and follow all safety rules carefully. Refer to “Important Safety Information” and Safety Alert Symbols throughout this manual.</td>
</tr>
<tr>
<td>Make sure there are no hydraulic leaks. Refer to “Avoid High Pressure Fluids Hazard”.</td>
</tr>
<tr>
<td>Read and follow hook-up instructions. Refer to “Section 1: Assembly &amp; Set-Up”.</td>
</tr>
<tr>
<td>Read and follow all operating procedures. Refer to “Section 3: Operating Procedures”.</td>
</tr>
<tr>
<td>Read and follow all maintenance instructions. Refer to “Section 4: Maintenance &amp; Lubrication”.</td>
</tr>
<tr>
<td>Check bucket initially and periodically for loose bolts and pins. Refer to “Torque Values Chart”</td>
</tr>
</tbody>
</table>

General Inspection
Make the following inspections with bucket attached to a skid steer parked on a level surface.

1. Complete Operating Checklist table provided above.
2. Inspect the bucket to make sure it is in good working condition and that all safety alert decals are visible and readable. Replace any safety decal that is not visible or readable. See “Safety Labels” on page 6.
3. Inspect hitch hook-up to bucket. Make sure skid steer universal quick attach hitch is secured under the bucket hitch plate top angle bars, lock pins extend fully through bottom slots in bucket hitch plate, and lock handles are locked down.
4. Consult your skid steer Operator’s Manual to determine if ballast is required. Add ballast if needed.
5. Inspect condition of hydraulic hoses, fittings, and valves before starting the machine. Make sure hoses are not pinched, kinked, twisted, or frayed and that they will not contact moving parts and that all connections are tight.
6. Hose sleeves help protect hoses from wear and operator from oil sprays. Inspect hose sleeves to make sure they are in good working condition. Replace any sleeve that is worn thin, torn, or not secured to the hydraulic hoses.
7. Operate hydraulic controls to verify control lever movements function properly and equipment movements are correct. Make necessary changes to controls and hydraulic hook-ups before putting equipment into service.
8. Operate bucket through its full range of movements to check for clearances. Refer to “Equipment Clearances” on page 11.
9. Purge hydraulic system of trapped air by operating all hydraulic functions several times before putting unit into service. Purge hydraulic system at the cylinder ports if the hydraulic system continues to operate erratic, see “Purge Hydraulic System” on page 11 and in your skid steer Operator’s Manual.

Operating Safety

**DANGER**

To avoid serious injury or death:

- Never come in contact with power lines, utilities, gas lines, or other hazards, above or below ground. They can cause serious injury or death from electrocution, explosion, or fire. Before digging, call dig safe 811 (USA only) so utility companies can mark the location of underground services in the area.
- A crushing hazard that can cause serious injury or death always exists around power equipment.
- 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.
- The operator of this attachment must know how to control the power machine with attachment and how to stop them quickly in an emergency.
- 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.
- 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 go near or under raised loader arms without first securing loader arms in the raised position with an approved lift-arm support.
- Keep your head, arms, and legs inside the cab while operating the power machine. Any extremity extended outside the cab can be crushed by the loader arms and attachment.
- Never operate equipment from outside the cab.
- Use the skid steer’s alternate emergency exit when exit passage through the front is blocked.
- Do not use hand or foot controls for handholds or steps. Using them for handholds or steps can activate the controls.
- Keep mud, snow, ice, and debris out of foot controls.
- If included, raise restraint bar and move controls until both are locked and interlock system is activated.
Section 3: Operating Procedures

- Inspect interlock control system regularly and perform required maintenance to keep it operating properly.
- Never bypass or modify a safety device.
- Be safe, lift only loads with the loader arms that can be kept under control and contained. An uncontrolled load can result in a serious injury or death.
- Make sure the machine is stopped on solid, level ground before raising load to dump. To maintain stability, raise load only to the height necessary to complete the dump.
- Never dump a load around gas lines, overhead power lines, utilities, or other hazards that can cause serious injury or death from electrocution, explosion, or fire.
- Make sure all objects are contained and/or secured before lifting. Do not lift a load that cannot be contained in the attachment as the load can shift and fall.
- Keep load positioned forward enough to prevent accidental spillage on operator and power machine.
- Keep load slightly tilted back to secure its weight against the hitch frame. Rotating top of hitch frame back too far can cause load to shift and fall rearward onto the machine and/or operator. Rotating top of hitch frame forward too far can cause load to shift and fall forward.
- 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.

**WARNING**

To avoid serious injury or death:

- Keep body, body extremities, loose clothing, pull strings, etc. away from pinch points such as rotating, extending, and/or retracting components. Secure pinch point areas to ensure they will not move before working on or near them.
- Backup alarm must be in good working order to warn others. Use a backup camera or rear-view mirror that is in good condition to help see undesirable situations behind the unit. Drive at a slower speed to compensate for blind spots.
- Always shut power machine down following the “Shutdown Procedure” provided in this manual before leaving the operator’s seat.
- Consult your power machine’s manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in a roll-over or other serious hazard.
- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.
- Never carry riders on the attachment or power machine. Riders can obstruct the operator’s view, interfere with control of the equipment, be pinched by moving components, become entangled in rotating components, be struck by objects, be thrown or fall from the equipment, etc.
- Use steps, grab-handles, and anti-slip surfaces on the power machine and attachment to get on and off the power machine. Using unapproved stepping surfaces and/or handholds can result in a falling hazard.
- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Keep folding ROPS in the “locked up” position when appropriate. If ROPS is in the locked up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.
- Keep load centered, even when stopped. This will optimize load stability and protect against load shifting.
- Do not abuse equipment. Incorrect use of the attachment can damage equipment structurally and cause serious injury or death.
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts. Kubota parts.
- Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.
- Do not chain or strap loads to the loader arms, hitch, or attachment. Hitting solid objects with a load fastened to the attachment or machine can cause the operator to lose control.
- Do not use attachment to lift, carry, push or tow other equipment and objects. It is not properly designed or guarded for this use. The operator could lose control and cause a tipping hazard.
- Do not use attachment for lifting front end of skid steer off the ground. Doing so can damage attachment and cause injury.
- Follow recommendations in the power machine Operator’s Manual when parking or dismounting the power machine.
- 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.
- Always lower attachment to ground level and fully close the jaw before dismounting the power machine.

- Allow only persons to operate this attachment who have fully read and comprehended this manual, who are properly trained to operate the attachment safely, and who are age 16 or older. Serious injury or death can result from the failure to read, understand, and follow instructions provided in this manual.
- Never carry riders on the attachment or power machine. Riders can obstruct the operator’s view, interfere with control of the equipment, be pinched by moving components, become entangled in rotating components, be struck by objects, be thrown or fall from the equipment, etc.
- Use steps, grab-handles, and anti-slip surfaces on the power machine and attachment to get on and off the power machine. Using unapproved stepping surfaces and/or handholds can result in a falling hazard.
- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Keep folding ROPS in the “locked up” position when appropriate. If ROPS is in the locked up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.
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- Do not abuse equipment. Incorrect use of the attachment can damage equipment structurally and cause serious injury or death.
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts. Kubota parts.
- Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.
- Do not chain or strap loads to the loader arms, hitch, or attachment. Hitting solid objects with a load fastened to the attachment or machine can cause the operator to lose control.
- Do not use attachment to lift, carry, push or tow other equipment and objects. It is not properly designed or guarded for this use. The operator could lose control and cause a tipping hazard.
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- Follow recommendations in the power machine Operator’s Manual when parking or dismounting the power machine.
- 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.
- Always lower attachment to ground level and fully close the jaw before dismounting the power machine.

**WARNING**

To avoid serious injury or death:

- Keep body, body extremities, loose clothing, pull strings, etc. away from pinch points such as rotating, extending, and/or retracting components. Secure pinch point areas to ensure they will not move before working on or near them.
- Backup alarm must be in good working order to warn others. Use a backup camera or rear-view mirror that is in good condition to help see undesirable situations behind the unit. Drive at a slower speed to compensate for blind spots.
- Always shut power machine down following the “Shutdown Procedure” provided in this manual before leaving the operator’s seat.
- Consult your power machine’s manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in a roll-over or other serious hazard.
- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.
- Never carry riders on the attachment or power machine. Riders can obstruct the operator’s view, interfere with control of the equipment, be pinched by moving components, become entangled in rotating components, be struck by objects, be thrown or fall from the equipment, etc.
- Use steps, grab-handles, and anti-slip surfaces on the power machine and attachment to get on and off the power machine. Using unapproved stepping surfaces and/or handholds can result in a falling hazard.
- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Keep folding ROPS in the “locked up” position when appropriate. If ROPS is in the locked up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.
- Keep load centered, even when stopped. This will optimize load stability and protect against load shifting.
- Do not abuse equipment. Incorrect use of the attachment can damage equipment structurally and cause serious injury or death.
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts. Kubota parts.
- Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.
- Do not chain or strap loads to the loader arms, hitch, or attachment. Hitting solid objects with a load fastened to the attachment or machine can cause the operator to lose control.
- Do not use attachment to lift, carry, push or tow other equipment and objects. It is not properly designed or guarded for this use. The operator could lose control and cause a tipping hazard.
- Do not use attachment for lifting front end of skid steer off the ground. Doing so can damage attachment and cause injury.
- Follow recommendations in the power machine Operator’s Manual when parking or dismounting the power machine.
- 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.
- Always lower attachment to ground level and fully close the jaw before dismounting the power machine.
Section 3: Operating Procedures

- Wear appropriate personal protective gear, including eye protection when appropriate, when operating a power machine without an enclosure or protective shield. Dust and debris can get into the eyes.
- Avoid exposure to dust containing crystalline silica particles. This dust can cause serious injury to the lungs (silicosis). 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.

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.
- 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 and back down inclines.
- Always travel straight up and straight down inclines. Make turns only on level ground.
- Transporting loads across inclines, over ramps, on bumpy, soft, or slippery surfaces reduces machine stability and lift capacity. Transporting and lifting loads under these conditions is extremely dangerous. Follow all transport instructions in your power machine Operator’s Manual.
- When traveling on public roadways, travel in such a way that faster moving vehicles may pass safely. Use accessory lights, clean reflectors, and a slow moving vehicle sign that is visible from the back to warn operators in other vehicles of your presence. Always comply with all federal, state, and local laws.

Operating Tips

1. Go slowly when first learning how to operate the bucket and loader.
2. Keep the work area small and travel distance short to make the job more efficient.
3. When setting up a work site, choose a site that is level, clear of low hanging electrical lines, and free of obstructions such as trees, fences, and buildings.
4. When possible, save cycle time by making “skid” turns going forward instead of backing up.
5. Reduce number of cycles by filling the bucket to rated capacity.
6. Keep loaded bucket low to ground when transporting. Always drive up and down slopes with load on the uphill side. This will require backing down a slope to keep load on the uphill side.
7. To keep material from spilling over the back, tilt top of bucket forward to maintain bucket levelness while raising loader arms or traveling up a slope.
8. To keep material from spilling over the front, tilt top of bucket back to maintain bucket levelness while lowering loader arms or traveling down a slope.

Combination Bucket Operation

**WARNING**

To avoid serious injury or death:

- Keep bystanders at a safe distance when entering and picking up a load. Objects can shift or be thrown suddenly as the bucket makes contact with the load causing serious injury or death.
- Enter the pick-up zone carefully making sure no objects will come back into the operator’s space causing serious injury or death.

- Read and understand all safety alerts under “Operating Safety” on page 14.

**IMPORTANT:** Do not ram bucket into a pile or hook a chain to the bucket to secure a load. Doing so can damage the bucket.

Digging With The Bucket

The bucket can be used for digging in the ground or into piles of dirt, sand, and other similar materials.

1. Make sure load does not exceed rated lift capacity of the skid steer.
2. Center skid steer on the material to be picked up.
3. Do not ram bucket into the ground or pile. Make a complete stop in front of the material to position bucket at the proper height and angle for digging.

**If digging into the ground:**
   a. Lower loader arms until bucket is on the ground.
   b. Tilt front of bucket down until cutting edge is on the ground.
   c. Start driving forward slowly while continuing to tilt the edge down until bucket starts to dig.
   d. Once the bucket starts digging, the front cutting edge can be tilted up slightly to increase skid steer traction and achieve even digging depth.
   e. When digging hard ground, slowly raise and lower the cutting edge while slowly traveling forward.

**If digging into a pile:**
   a. Lower loader arms until bucket is on the ground.
   b. Tilt front of bucket down until cutting edge is on the ground.
c. Start driving slowly into the pile. As the bucket begins to fill, slowly raise loader arms until bucket if filled to rated capacity.

4. With bucket filled, stop and raise the bucket out of the pile. At the same time, tilt top of bucket back to keep from spilling material out of the bucket.

5. Make sure bucket and load clears all obstacles when making a “skid” turn or backing away.

6. Position load at a safe, low height and top of bucket tilted slightly back to transport to the dump site.

Picking Up A Load With The Jaws/Clamshell
1. Make sure load does not exceed rated lift capacity of the skid steer being used to lift the load.
2. Center skid steer on the material to be picked up.
3. Make a complete stop in front of the material and position bucket at the proper height.
4. Fully open the jaw and drive forward until the bucket is above the pile. Do not ram bucket into the pile.
5. Lower bucket onto the pile and close the jaw to secure the load.
6. Lift load a few inches to make sure you have good control of the load. If load is not secure, release and recapture load in a more secure location.
7. Lift load above the pile and then back load out of the pile slowly, making sure load clears all obstacles.
8. Not always will the load be secured properly in the bucket when pulled free from a pile. Before traveling with a loose load, lower load to ground, release load, and re-clamp load to make it more secure.
9. Position load at a safe, low traveling height and begin transferring to the dump site.

Traveling With A Load
1. Pedestrians always have the right-of-way.
2. Keep load tilted back slightly.
3. When possible, travel with the load low to the ground.
4. Continually scan all sides for pedestrians, other traffic, and obstacles.
5. Always drive at a safe speed and slow down when going around corners. Avoid sudden braking.
6. Leave enough clearance when turning so that the bucket and load does not contact obstacles such as vehicles, buildings, trees, fences, etc.
7. When traveling over a ramp or incline, keep load on the “uphill” side of skid steer.
8. When possible, travel straight up and down grades, ramps, and inclines. Avoid making turns on grades, ramps, and inclines.
9. Raise or lower load only when stopped, never when traveling.
10. Slow down when traveling over rough or hilly terrain.
11. Do not transport loads on public roadways.
12. Transport on public roadways without a load and transport in such a way that faster moving vehicles may pass you safely.
13. Plan your route to avoid heavy traffic.

Releasing A Load
1. Stop in front of desired location and slowly raise load to the required height for dumping.
2. Move slowly forward while checking to make sure bucket and load clears all obstacles.
3. Stop forward movement when load is positioned over its release location.
4. Releasing the load requires a combination of tilting the front of bucket down or opening the jaw, and raising the loader arms. The order in which the load is released will vary depending on type of material being released. The most important objective is to have the load under control throughout the release.
5. Once the load has settled onto the pile, tilt bucket level and close the jaw if opened.
6. Slowly back up making sure the bucket clears all objects and no pedestrians or other traffic are behind or on either side of skid steer.
7. As you back away, leave enough clearance when turning and/or lowering the bucket so that it does not make contact with obstacles such as vehicles, buildings, trees, fences, etc.
8. When clear of the pile, stop and lower bucket to transporting height (low to the ground) before moving again.

Scraping, Leveling, & Digging With The Jaw
1. Make a complete stop in the area to work and fully open the jaw.
2. Rotate top of hitch plate forward and lower loader arms down until cutting edge of the jaw is on the ground.
3. Begin traveling forward pushing dirt with the dozer blade.
4. Tilt top of hitch plate as needed to angle blade for digging.
5. Lower loader arms to make a deeper cut and raise loader arms to make a shallower cut.
6. If the material needs to be removed, close the jaw to capture accumulated material and remove it.

5. Lower loader arms to make a deeper cut and raise loader arms to make a shallower cut.
6. If the material needs to be removed, close the jaw to capture accumulated material and remove it.

Unhooking the Combination Bucket
Refer to Figure 3-1:
1. If unhooking and parking bucket for long periods, see “Long-Term Storage” on page 22.
3. With bucket resting on the ground, release all hydraulic system pressures before disconnecting hydraulic hoses from skid steer couplers. See Skid Steer Operator’s Manual for instructions on how to release hydraulic system pressures.
4. Disconnect hydraulic couplers (#3 & #4) from skid steer and store hoses (#1 & #2) on the bucket.
5. Pull lock handles up to remove lock pins from bottom slots in the bucket hitch plate.
6. Return to the skid steer and tilt top of skid steer hitch plate slightly forward.
7. Slowly lower skid steer hitch until top of skid steer hitch has separated from top angle bars on the bucket hitch plate.
8. Back skid steer slowly away from the bucket making sure it does not interfere with the skid steer.

General Operating Instructions
By now you should have familiarized yourself with the Operator’s Manual for your CB25 Series 4-in-1 Combination Bucket. If you haven’t, please do so now. We cannot overstate the importance of following the safety information and operating procedures that are spelled out in this Operator’s Manual.

Proceed by getting onto the seat of your skid steer and starting it up. It isn’t going to take you long to learn how to use your new Kubota 4-in-1 Combination Bucket, but we do recommend that you take a little time to practice securely attaching and detaching your bucket to and from your mounting plate. It is also important to practice lifting, lowering, tilting, maneuvering, and releasing a load until you gain the confidence and skill needed to have a good feel in what you are doing.

If attachment is to be operated in reverse, make sure visibility to the rear of the power unit is appropriate for the attachment. Backup camera or mirror is recommended. Maintain cleanliness of lens or mirror.

The 4-in-1 Combination Bucket’s primary purposes are digging, loading, dumping, scraping, leveling, gripping, and dozing. The following are some basic general operating instructions. For detailed instructions, see “Combination Bucket Operation” on page 16.

Start digging by lowering the bucket to the ground and tilting the front cutting edge down to dig into the ground. Start traveling forward making adjustments to the bucket tilt and loader arm height to achieve desired results.

To dig while backing up, open the jaw, tilt the top of the hitch plate forward, and lower the loader arms down until the jaw’s cutting edge is on the ground. Start traveling backward to fill the jaw with material and close the jaw to capture the material in the bucket.

With bucket full, transport to your unloading site while carrying the load low. Carefully place the load over the dump site and dump the load by tilting the front bucket down or by opening the jaw to release the load out the bottom of the clamshell.

To scrape a surface clean and level, open the jaw, tilt the top of the hitch plate forward, and lower loader arms until the jaw’s cutting edge is on the ground. Begin backing up and adjusting hitch plate tilt to achieve desired scraping action. Lower or raise loader arms to achieve desired cutting depth. You can close the jaw when you want to capture and remove unwanted scraped material.

To pick up unwanted bulky material, open jaw, tilt top of the hitch plate forward, and lower clamshell opening over the material. Close jaw and pick-up load. Carry load low to your discharge site. Carefully place load over the site and dump load by opening the jaw.

To use the dozer blade, open the jaw, lower the dozer blade to ground, and tilt top of hitch plate to angle the blade for digging. Start traveling forward pushing the material. Raise or lower the loader arms to adjust depth of cut and adjust hitch plate tilt as needed to achieve desired cutting action. You can close the jaw when you want to capture and remove unwanted material.

With a little practice you should become very good at consistently achieving the desired results you expect with your Kubota 4-in-1 Combination Bucket.

Section 4: Maintenance & Lubrication

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

Check all bolts and pins after using the bucket for several hours and on a regular basis thereafter to ensure they are tight and secured.

Check hitch plate fit-up, hydraulic hoses, and hydraulic fittings on a regular basis to ensure trash or other objects have not loosened hitch connection points and/or damaged hydraulic hoses and fittings.

Replace worn, damaged, or missing bucket parts only with genuine Kubota parts. Replace safety labels by obtaining new labels from your Kubota dealer.

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:
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts.
- Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.
- Allow only persons to perform maintenance on this attachment who have been properly trained in its safe operation.
- Check hydraulic hoses and fittings frequently for leaks or damage. Fluid escaping under pressure can penetrate skin. Large leaks can dump a load prematurely.
- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting implement back into service.
- Keep body, body extremities, loose clothing, pull strings, etc. away from pinch points such as rotating, extending, and/or retracting components. Secure pinch point areas to ensure they will not move before working on or near them.

Skid Steer Maintenance
One of the most important things you can do to prevent hydraulic system problems is to ensure your hydraulic reservoir remains free of dirt and contamination.

Use a clean cloth to wipe hose ends before attaching them to your skid steer. Replace your skid steer’s hydraulic filter element at the prescribed intervals. These simple maintenances will go a long way to prevent occurrence of control valve and hydraulic cylinder problems.

Bucket Side Cutters
Refer to Figure 4-1:
Inspect bucket side cutters frequently to make sure hex whiz nuts (#4) are torqued to the proper torque. Also check plow bolts (#1), side cutters (#2 & #3), and hex whiz nuts (#4) for wear. Replace components if necessary by following steps 1-4 below.

1. Remove hex whiz nuts (#4), right-hand bucket side cutter (#2), and plow bolts (#1).
2. Attach new right-hand bucket side cutter (#2) with new plow bolts (#1) and new hex whiz nuts (#4).
3. Tighten hex whiz nuts (#4) to the correct torque.
4. Repeat steps 1 to 3 for the left-hand bucket side cutter (#3).

<table>
<thead>
<tr>
<th>Item Pt. No.</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 802-206C</td>
<td>5/8&quot;-11 x 1 3/4&quot; GR5 Plow Bolt</td>
<td>6</td>
</tr>
<tr>
<td>2 812-498C</td>
<td>Bucket Side Cutter RH</td>
<td>1</td>
</tr>
<tr>
<td>3 812-497C</td>
<td>Bucket Side Cutter LH</td>
<td>1</td>
</tr>
<tr>
<td>4 803-304C</td>
<td>5/8*-11 PLT Hex Whiz Nut</td>
<td>6</td>
</tr>
</tbody>
</table>

Bucket Side Cutters
Figure 4-1
Clamshell Blades

Refer to Figure 4-2:

**WARNING**

*To avoid serious injury or death:*

Support bucket side panels with jaw slightly open on support blocks (#7) before working under the bucket to rotate or remove grader blades and cutting edges. Hydraulics can drop equipment if controls are actuated or if hydraulic lines burst.

The grader blade (#3) and cutting edge (#6) can be rotated 180° and reused to extend their life. Replace them when both edges are worn out.

2. Place support blocks (#7) in front of or in back of and in-line with the bucket side panels.
3. Return to the skid steer and to place bucket side panels over and on the support blocks with jaw slightly open as shown in Figure 4-2.
4. Shut skid steer down properly before dismounting.
5. Remove hex whiz nuts (#2), grader blade (#3), and plow bolts (#1) from the bucket back.
6. Check grader blade (#3) and mounting hardware for wear. Replace existing plow bolts (#1), hex whiz nuts (#2), and grader blade as needed:
   • If the grader blade (#3) has not been rotated, rotate blade 180° and reattach it with existing/new plow bolts (#1) and existing/new hex whiz nuts (#2). Tighten hex whiz nuts to the correct torque.
   • If both cutting edges of grader blade (#3) are worn out, discard grader blade and attach new grader blade with existing/new plow bolts (#1) and existing/new hex whiz nuts (#2). Tighten hex flange locknuts to the correct torque.
7. Check cutting edge (#6) and mounting hardware for wear. Replace existing plow bolts (#4), hex whiz nuts (#5), and cutting edge as needed:
   • If cutting edge (#6) has not been rotated, rotate cutting edge 180° and reattach it with existing/new plow bolts (#4) and existing/new hex whiz nuts (#5). Tighten hex flange whiz nuts to the correct torque.
   • If both edges of cutting edge (#6) are worn out, discard cutting edge and attach new cutting edge with existing/new plow bolts (#4) and existing/new hex whiz nuts (#5). Tighten hex whiz nuts (#5) to the correct torque.
8. Restart skid steer, raise bucket off of support blocks (#7), back skid steer up several feet, and lower bucket to ground.
9. Shut skid steer down properly before dismounting.
10. Store support blocks in a safe location for reuse.

---

Table: Clamshell Blades

<table>
<thead>
<tr>
<th>Item Pt. No.</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>802-236C</td>
<td>PLOW 5/8-11X1 1/2 GR5.</td>
<td>. . . . . . Note A</td>
</tr>
<tr>
<td>803-304C</td>
<td>NUT HEX WHIZ 5/8-11 PLT.</td>
<td>Note A</td>
</tr>
<tr>
<td>820-592C</td>
<td>1/2X6 GRADER BLADE X 67.5&quot;</td>
<td>1</td>
</tr>
<tr>
<td>820-477C</td>
<td>1/2X6 GRADER BLADE X 73.5&quot;</td>
<td>1</td>
</tr>
<tr>
<td>820-591C</td>
<td>1/2X6 GRADER BLADE X 79.5&quot;</td>
<td>1</td>
</tr>
<tr>
<td>802-206C</td>
<td>PLOW 5/8-11X1 3/4 GR5.</td>
<td>. . . . . . Note B</td>
</tr>
<tr>
<td>803-304C</td>
<td>NUT HEX WHIZ 5/8-11 PLT.</td>
<td>Note B</td>
</tr>
<tr>
<td>820-593C</td>
<td>CUTTING EDGE, 66&quot; BUCKT BLT ON</td>
<td>1</td>
</tr>
<tr>
<td>820-553C</td>
<td>CUTTING EDGE, 72&quot; BUCKT BLT ON</td>
<td>1</td>
</tr>
<tr>
<td>820-551C</td>
<td>CUTTING EDGE, 78&quot; BUCKT BLT ON</td>
<td>1</td>
</tr>
</tbody>
</table>

Notes:
A. CB2568 Qty=7 , CB2574 Qty=8, CB2580 Qty=8
B. CB2568 Qty=7, CB2574 Qty=7, CB2580 Qty=9

---

Clamshell Blades
Figure 4-2

39602
Front Cutting Edge

Refer to Figure 4-3:
The front cutting edge (#3) can be rotated 180° and reused to extend the life of the blade. Replace cutting edge when both edges are worn out.


2. Remove hex flange locknuts (#2), plow bolts (#1), and cutting edge (#3).

3. Check cutting edge and mounting hardware for wear. Replace existing plow bolts (#1), locknuts (#2), and cutting edges as needed:
   - If the cutting edge has not been rotated, rotate cutting edge 180° and reattach it to the bucket with existing/new plow bolts (#1) and existing/new hex flange locknuts (#2). Tighten hex flange locknuts to the correct torque.
   - If cutting edge (#3) is wore out on both edges, discard cutting edge and attach new cutting edge to the bucket with existing/new plow bolts (#1) and existing/new hex flange locknuts (#2). Tighten hex flange locknuts to the correct torque.

Pin-on Teeth

Refer to Figure 4-4:
Replace pin-on teeth as needed.


2. Remove tooth locking pin (#2) with a hammer and drive punch.

3. Remove pin-on tooth (#1) from tooth base (#3) and discard.

4. Slide new pin-on tooth (#1) over existing tooth base (#3).

5. Rotate shoulders on locking pins (#2) forward and drive pin into the slotted hole with a hammer until equal amounts of the pin are exposed on both sides of the pin-on tooth.

6. Repeat steps 1 to 5 for remaining pin-on teeth.

IMPORTANT: Tooth locking pin (#2) has a shoulder at both ends that must face forward when inserting it into the attachment hole or it will not lock in the hole.

Item Pt. No. Description Qty

<table>
<thead>
<tr>
<th>Item Pt. No.</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 891-518C</td>
<td>PIN-ON TOOTH</td>
<td></td>
</tr>
<tr>
<td>2 891-519C</td>
<td>TOOTH LOCKING PIN</td>
<td></td>
</tr>
</tbody>
</table>

Note: A. CB2568 Qty=7, CB2574 Qty=8, CB2580 Qty=9

Front Cutting Edge

Figure 4-3

Pin on Teeth
Figure 4-4
Long-Term Storage
Clean, inspect, service, and make necessary repairs to the bucket when parking it for long periods and when parking it at the end of a working season. This will help ensure that the unit is ready for use next time you hook-up to it.

1. Clean off any dirt and grease that may have accumulated on the bucket. Scrape off compacted dirt and then wash its surface thoroughly with a garden hose.
2. Inspect bucket for loose, damaged, or worn parts and adjust or replace if needed.
3. Repaint parts where paint is worn or scratched to prevent rust. Ask your Kubota dealer for aerosol touch-up paint. 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.
4. Replace all damaged or missing guards & decals.
5. Lubricate as noted in “Lubrication Points” below.
6. Store bucket on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer bucket life.
7. Do not allow children to play on or around the stored bucket.

Lubrication Points

<table>
<thead>
<tr>
<th>Lubrication Legend</th>
<th>Multi-purpose spray lube</th>
<th>Multi-purpose grease lube</th>
<th>Multi-purpose oil lube</th>
<th>Intervals in hours at which lubrication is required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H</td>
<td>H</td>
<td>H</td>
<td>50 Hrs</td>
</tr>
</tbody>
</table>

Combination Bucket Jaw Pivot Points
2 - Zerks
Type of Lubrication: Multi-purpose Grease
Quantity = As required (make sure grease is visible)

Hydraulic Cylinder Rod Pivot Points
2- Zerks
Type of Lubrication: Multi-purpose Grease
Quantity = As required (make sure grease is visible)
## CB25 Series

### Specifications & Capacities

<table>
<thead>
<tr>
<th>Hitch type</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal Quick Attach Hitch</td>
<td>996 (452) lbs</td>
<td>1056 (479) lbs</td>
<td>1147 (520) lbs</td>
</tr>
<tr>
<td></td>
<td>943 (428) lbs</td>
<td>1001 (454) lbs</td>
<td>1090 (494) lbs</td>
</tr>
</tbody>
</table>

### Optional weights

<table>
<thead>
<tr>
<th>Spill guard</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>lbs (kg)</td>
<td>24 (11)</td>
<td>27 (12)</td>
<td>29 (13)</td>
</tr>
<tr>
<td>lbs (kg)</td>
<td>13 (6)</td>
<td>13 (6)</td>
<td>13 (6)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Counterbalance valve</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>lbs (kg)</td>
<td>24 (11)</td>
<td>27 (12)</td>
<td>29 (13)</td>
</tr>
<tr>
<td>lbs (kg)</td>
<td>13 (6)</td>
<td>13 (6)</td>
<td>13 (6)</td>
</tr>
</tbody>
</table>

### Overall width

<table>
<thead>
<tr>
<th>Width</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>in (m)</td>
<td>71 (1.8)</td>
<td>77 (1.96)</td>
<td>83 (2.1)</td>
</tr>
<tr>
<td>in (cm)</td>
<td>33 (83.8)</td>
<td>33 (83.8)</td>
<td>33 (83.8)</td>
</tr>
</tbody>
</table>

### Clamshell opening

<table>
<thead>
<tr>
<th>Width</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>in (m)</td>
<td>71 (1.8)</td>
<td>77 (1.96)</td>
<td>83 (2.1)</td>
</tr>
<tr>
<td>in (cm)</td>
<td>33 (83.8)</td>
<td>33 (83.8)</td>
<td>33 (83.8)</td>
</tr>
</tbody>
</table>

### Bucket capacity with & without spill guard

<table>
<thead>
<tr>
<th>Struck full</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft³ (m³)</td>
<td>13.45 (.38)</td>
<td>10.09 (.29)</td>
<td>14.65 (.41)</td>
</tr>
<tr>
<td>ft³ (m³)</td>
<td>18.45 (.52)</td>
<td>15.20 (.43)</td>
<td>20.14 (.31)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Heaped full</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft³ (m³)</td>
<td>15.86 (.45)</td>
<td>21.83 (.62)</td>
<td>16.61 (.47)</td>
</tr>
<tr>
<td>ft³ (m³)</td>
<td>20.14 (.31)</td>
<td>15.20 (.43)</td>
<td>20.14 (.31)</td>
</tr>
</tbody>
</table>

### Hydraulic cylinder pins

<table>
<thead>
<tr>
<th>Pins</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>in (cm)</td>
<td>1 (2.5) dia. greasable rod pivot pins</td>
<td>1 (2.5) dia. greasable rod pivot pins</td>
<td>1 (2.5) dia. greasable rod pivot pins</td>
</tr>
</tbody>
</table>

### Jaw pivot pins

<table>
<thead>
<tr>
<th>Pins</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>in (cm)</td>
<td>1 1/4 (3.2) dia. greasable pivot pins</td>
<td>1 1/4 (3.2) dia. greasable pivot pins</td>
<td>1 1/4 (3.2) dia. greasable pivot pins</td>
</tr>
</tbody>
</table>

### Hydraulic cylinder

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>in (cm)</td>
<td>67&quot; (1.7 m)</td>
<td>71&quot; (1.85 m)</td>
<td>79&quot; (2.01 m)</td>
</tr>
</tbody>
</table>

### Maximum hydraulic pressure

<table>
<thead>
<tr>
<th>Pressure</th>
<th>CB2568</th>
<th>CB2574</th>
<th>CB2580</th>
</tr>
</thead>
<tbody>
<tr>
<td>psi (KPa)</td>
<td>3500 (24132)</td>
<td>3960 (27370)</td>
<td>3960 (27370)</td>
</tr>
</tbody>
</table>

---

CB2568 = 67" (1.7 m) INSIDE WIDTH
CB2574 = 73" (1.85 m) INSIDE WIDTH
CB2580 = 79" (2.01 m) INSIDE WIDTH
CB2568 = 71" (1.8 m)
CB2574 = 77" (1.96 m)
CB2580 = 83" (2.1 m)

---

27" (68.6 cm)
## Section 6: Features & Benefits

### CB25 Series

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four-in-one bucket design</td>
<td>Can be used as a standard bucket, clamshell bucket, grapple, or dozer.</td>
</tr>
<tr>
<td>Attaches to power equipment easily</td>
<td>Uses Skid Steer Quick Hitch design for quick and easy attachment.</td>
</tr>
<tr>
<td>1 1/4” Pivot pins</td>
<td>Large diameter pins for extra strength.</td>
</tr>
<tr>
<td>Jaw pivot pins have greasable hardened bushings</td>
<td>Bushings can be replaced if needed.</td>
</tr>
<tr>
<td>Reinforced bucket</td>
<td>Adds strength and rigidity to the bucket, clamshell, and dozer features of the four-in-one bucket.</td>
</tr>
<tr>
<td>Serrated interlocking grapple teeth on bucket side panels</td>
<td>Various sizes, shapes, and weights of objects can be picked-up and held securely in the serrated teeth.</td>
</tr>
<tr>
<td>Replaceable bucket side cutters</td>
<td>Stiffens and protects bucket front side panel corners.</td>
</tr>
<tr>
<td>Reversible and replaceable clamshell blades</td>
<td>Reversible blades extends the life of the blade and can be replaced to extend the life of the bucket.</td>
</tr>
<tr>
<td>Reversible and replaceable front cutting edge when included with jaw</td>
<td>Reversible front cutting edge extends the life of the blade and can be replaced to extend the life of the bucket.</td>
</tr>
<tr>
<td>Replaceable tooth tips when teeth are included with jaw</td>
<td>Can be easily replaced as they wear or break.</td>
</tr>
</tbody>
</table>

### Optional Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spill guard</td>
<td>Helps protect the operator against spills over the back side of the bucket and increases capacity.</td>
</tr>
<tr>
<td>Counterbalance valve</td>
<td>Prevents hydraulic bleed-off / improves cylinder control.</td>
</tr>
</tbody>
</table>
# Troubleshooting Chart

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot lift load</td>
<td>Insufficient power to lift load.</td>
<td>Reduce load on bucket or switch to a skid steer that is rated for more lift capacity.</td>
</tr>
<tr>
<td>Hydraulic hoses are stretched and/or damaged</td>
<td>Hydraulic hoses are catching on tree limbs, debris, or other solid objects.</td>
<td>Replace hydraulic hoses. Stay away from objects that can catch on hydraulic hoses. Stop immediately if hoses are catching on an object and remove object. If helpful, readjust hose routing.</td>
</tr>
<tr>
<td>Hydraulic fittings are damaged</td>
<td>Hydraulic hoses are catching on tree limbs, debris, or other solid objects causing fittings to become damaged.</td>
<td>Replace hydraulic fittings. Stay away from objects that can catch on hydraulic hoses. Stop immediately if hoses are catching on an object and remove object. If helpful, readjust hose routing.</td>
</tr>
<tr>
<td>Combination bucket jaw does not clamp tight on a load</td>
<td>A load taken from a pile can be too bulky to properly clamp while in the pile.</td>
<td>Re-clamp load once load is free from pile.</td>
</tr>
<tr>
<td>Combination bucket jaw does not operate</td>
<td>Hydraulic hoses are not coupled to skid steer.</td>
<td>Reattach couplers to skid steer.</td>
</tr>
<tr>
<td></td>
<td>Hydraulic hoses and/or fittings are damaged.</td>
<td>See &quot;Hydraulic hoses are stretched and/or damaged&quot; and &quot;Hydraulic fittings are damaged&quot; above.</td>
</tr>
<tr>
<td>Load is shifting in the jaw</td>
<td>Universal quick attach hitch is not properly attached to bucket hitch plate.</td>
<td>Always make certain universal quick hitch is properly attached to the bucket before lifting a load. Reattach quick hitch to the bucket hitch plate if loose.</td>
</tr>
<tr>
<td></td>
<td>Load is being carried too high.</td>
<td>Recommended carrying height is as close to ground as possible without hitting objects.</td>
</tr>
<tr>
<td></td>
<td>Traveling and/or turning too fast.</td>
<td>Reduce speed to a safe non-bouncing speed.</td>
</tr>
<tr>
<td></td>
<td>Traveling sideways to an incline.</td>
<td>Travel straight up and down inclines.</td>
</tr>
<tr>
<td></td>
<td>Jaw is not clamped tight against the load.</td>
<td>Re-clamp load once load is free from pile.</td>
</tr>
<tr>
<td></td>
<td>Load is not centered in bucket.</td>
<td>Center load on bucket.</td>
</tr>
<tr>
<td></td>
<td>Traveling forward while going down an incline with a slope in excess of 10 percent (5.7 degrees).</td>
<td>Back down steep inclines.</td>
</tr>
</tbody>
</table>
## Section 8: Torque Values Chart

### Torque Values Chart for Common Bolt Sizes

<table>
<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Bolt Head Identification</th>
<th>Bolt Size (Metric)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Grade 2</td>
<td>Grade 2</td>
</tr>
<tr>
<td></td>
<td>Grade 5</td>
<td>Grade 5</td>
</tr>
<tr>
<td></td>
<td>Grade 8</td>
<td>Grade 8</td>
</tr>
<tr>
<td></td>
<td>N · m ²</td>
<td>N · m ²</td>
</tr>
<tr>
<td></td>
<td>ft-lb ³</td>
<td>ft-lb ³</td>
</tr>
<tr>
<td>1/4&quot; - 20</td>
<td>7.4 5.6 11 8 16 12</td>
<td>M 5 X 0.8 4 3 6 5 9 7</td>
</tr>
<tr>
<td>1/4&quot; - 28</td>
<td>8.5 6 13 10 18 14</td>
<td>M 6 X 1 7 5 11 8 15 11</td>
</tr>
<tr>
<td>5/16&quot; - 18</td>
<td>15 11 24 17 33 25</td>
<td>M 8 X 1.25 17 12 26 19 36 27</td>
</tr>
<tr>
<td>5/16&quot; - 24</td>
<td>17 13 26 19 37 27</td>
<td>M 8 X 1 18 13 28 21 39 29</td>
</tr>
<tr>
<td>3/8&quot; - 16</td>
<td>27 20 42 31 59 44</td>
<td>M10 X 1.5 33 24 52 39 72 53</td>
</tr>
<tr>
<td>3/8&quot; - 24</td>
<td>31 22 47 35 67 49</td>
<td>M10 X 0.75 39 29 61 45 85 62</td>
</tr>
<tr>
<td>7/16&quot; - 14</td>
<td>43 32 67 49 95 70</td>
<td>M12 X 1.75 58 42 91 67 125 93</td>
</tr>
<tr>
<td>7/16&quot; - 20</td>
<td>49 36 75 55 105 78</td>
<td>M12 X 1.5 60 44 95 70 130 97</td>
</tr>
<tr>
<td>1/2&quot; - 13</td>
<td>66 49 105 76 145 105</td>
<td>M12 X 1 90 66 105 77 145 105</td>
</tr>
<tr>
<td>1/2&quot; - 20</td>
<td>75 55 115 85 165 120</td>
<td>M14 X 2 92 68 145 105 200 150</td>
</tr>
<tr>
<td>9/16&quot; - 12</td>
<td>95 70 150 110 210 155</td>
<td>M14 X 1.5 99 73 155 115 212 150</td>
</tr>
<tr>
<td>9/16&quot; - 18</td>
<td>105 79 165 120 235 170</td>
<td>M16 X 2 145 105 225 165 315 230</td>
</tr>
<tr>
<td>5/8&quot; - 11</td>
<td>130 97 205 150 285 210</td>
<td>M16 X 1.5 155 115 240 180 335 245</td>
</tr>
<tr>
<td>5/8&quot; - 18</td>
<td>150 110 230 170 325 240</td>
<td>M18 X 2.5 195 145 310 230 405 300</td>
</tr>
<tr>
<td>3/4&quot; - 10</td>
<td>235 170 360 265 510 375</td>
<td>M18 X 1.5 220 165 350 260 485 355</td>
</tr>
<tr>
<td>3/4&quot; - 16</td>
<td>260 190 405 295 570 420</td>
<td>M20 X 2.5 280 205 440 325 610 450</td>
</tr>
<tr>
<td>7/8&quot; - 9</td>
<td>225 165 585 430 820 605</td>
<td>M20 X 1.5 310 230 650 480 900 665</td>
</tr>
<tr>
<td>7/8&quot; - 14</td>
<td>250 185 640 475 905 670</td>
<td>M24 X 3 480 355 760 560 1050 780</td>
</tr>
<tr>
<td>1&quot; - 8</td>
<td>340 250 875 645 1230 910</td>
<td>M24 X 2 525 390 830 610 1150 845</td>
</tr>
<tr>
<td>1&quot; - 12</td>
<td>370 275 955 705 1350 995</td>
<td>M30 X 3.5 960 705 1510 1120 2100 1550</td>
</tr>
<tr>
<td>1-1/8&quot; - 7</td>
<td>480 355 1080 795 1750 1290</td>
<td>M30 X 2 1060 785 1680 1240 2320 1710</td>
</tr>
<tr>
<td>1-1/8&quot; - 12</td>
<td>540 395 1210 890 1960 1440</td>
<td>M36 X 3.5 1730 1270 2650 1950 3660 2700</td>
</tr>
<tr>
<td>1-1/4&quot; - 7</td>
<td>680 500 1520 1120 2460 1820</td>
<td>M36 X 2 1880 1380 2960 2190 4100 3220</td>
</tr>
<tr>
<td>1-1/4&quot; - 12</td>
<td>750 555 1680 1280 2730 2010</td>
<td>1 in-tpi = nominal thread diameter in inches-threads per inch</td>
</tr>
<tr>
<td></td>
<td>890 655 1990 1470 3230 2380</td>
<td>2 N · m = newton-meters</td>
</tr>
<tr>
<td></td>
<td>1010 745 2270 1670 3680 2710</td>
<td>3 ft-lb = foot pounds</td>
</tr>
<tr>
<td></td>
<td>1180 870 2640 1950 4290 3160</td>
<td>4 mm x pitch = nominal thread diameter in millimeters x thread pitch</td>
</tr>
<tr>
<td></td>
<td>1330 980 2970 2190 4820 3560</td>
<td>5.8 8.8 10.9</td>
</tr>
</tbody>
</table>

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

**Hydraulics:** One year Parts and Labor; Hoses and seals are considered wear items.

**Optional Cutting Edge:** Considered wear items.

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 such as blades, belts, tines, etc. 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. Registration is done by your dealer.

**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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