



TORO®

4 in 1 Bucket

OPERATOR'S & PARTS MANUAL

PM-000144

1 TO THE PURCHASER

Congratulations on the purchase of your new TORO product! This product was carefully designed and manufactured to give you years of dependable service. Only minor maintenance (such as visual checking, cleaning and greasing) is required to keep it in top working condition. Be sure to observe all safety precautions, operating instructions, and maintenance procedures as described in this manual.

Optional extras are available for special applications or extreme conditions - noted throughout this manual. Contact your TORO dealer for further information pertaining to this product or other products available in the TORO range.

ABOUT THIS MANUAL

This manual has been designed to help you do a better, safer job. **Read this manual carefully and become familiar with its contents.** Remember; never let anyone operate this unit without reading the 'Safety Precautions' and 'Operating Instructions' sections of this manual. Unless noted otherwise, right and left sides are determined from the position of the operator when behind the product facing forward.

TORO	4 in1 Bucket	Bucket Weight	
Make	Model	Code	Number
Serial N°			
Rated Volume	AS2954.5 - 1988 0.		
Rated Operating Load	AS 2954.1 - 1988		
Build Date			
Toro Australia Pty Ltd			
			DE-00042

Your TORO 4 in 1 Bucket is a **user non-serviceable part. Unauthorised disassembly will void warranty.** All service and warranty must be performed by an authorised TORO service agent. Contact your local TORO dealer for details. To facilitate warranty or service, record the model and serial number of your unit in the space provided on this page. This information may be obtained from the identification plate located on the product.

MODEL _____

SERIAL NUMBER _____

DATE PURCHASED _____

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

IMPORTANT: WHEN SERVICING OR ASSEMBLING YOUR PRODUCT, REMEMBER TO USE ONLY GENUINE TORO REPLACEMENT PARTS. SUBSTITUTE PARTS MAY NOT MEET THE STANDARDS REQUIRED FOR SAFE, DEPENDABLE OPERATION. USE OF NON-GENUINE TORO PARTS WILL VOID WARRANTY AND TORO WILL ACCEPT NO LIABILITY WHATSOEVER FOR CONSEQUENTIAL OR SPECIAL DAMAGES.

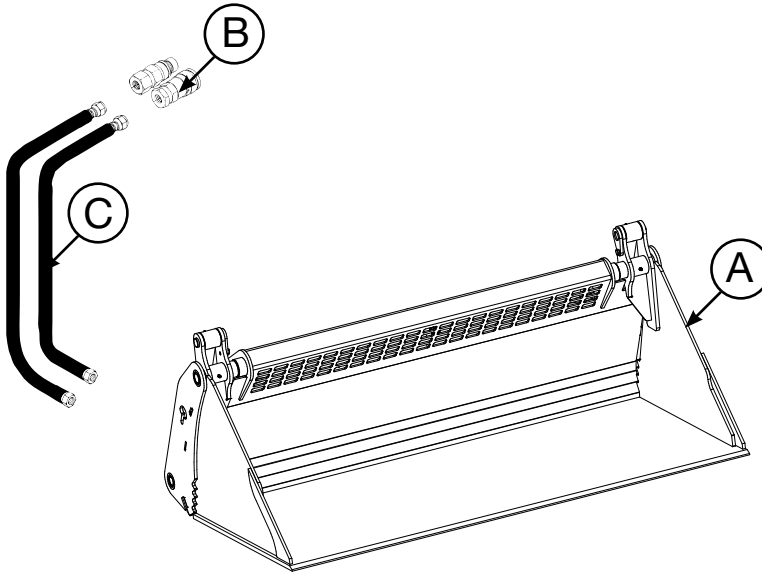
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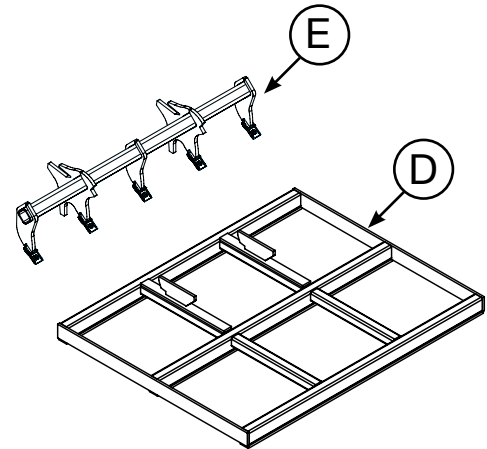
MODELS COVERED IN THIS MANUAL		
BUCKETS	ACCESSORIES	TEETH
4 in 1 Bucket	Kwik rips Spreada bars	TS-1 TSC-3

3 PREPARATION FOR USE

To avoid any inconvenience before operation, please check that you have received the following items which you may have ordered. Items may differ depending on type of machine the 4 in 1 Bucket is to be fitted to.



REF	DESCRIPTION	QTY
A	BUCKET	1
B	QUICK RELEASE COUPLERS	set
C	HYDRAULIC HOSE KIT	set
D	SPREADA BARS (OPTIONAL)	-
E	KWIK RIPS (OPTIONAL)	-



4 INSTALLATION AND OPERATING INSTRUCTIONS

The TORO 4 in 1 Bucket attaches to the quick-attach mechanism of your machine. Due to this arrangement, thorough knowledge of the machinery controls is necessary for machine operation. Read and understand your machine Operator's Manual for information regarding machine operation before attempting to use the attachment. When a 4 in 1 Bucket is purchased from TORO or a TORO Dealer/Distributor, the frame/attachment is matched for suitability and compatibility to the original machine it was purchased for. For fitment of the 4 in 1 Bucket to other machines, you must first contact your TORO dealer and receive written confirmation to ensure you do not incorrectly fit the attachment to a machine it wasn't designed for. Warranty will be void if the 4 in 1 Bucket is fitted to an alternative machine without first receiving written confirmation from your TORO dealer. Check the work site and identify the extent of the work to be carried out and note any possible hazards or constraints, underground cables, services, etc. Check with relevant government departments on the location of these before commencement of any work. Review the job at hand and determine the 4 in 1 Bucket is appropriate for the intended work and conditions.

INSTALLATION INSTRUCTIONS

1. Remove the shipping banding from around the 4 in 1 Bucket and frame.
2. Remove any attachments from the front of the machine.
3. Ensure you have read the serial tag on the 4 in 1 Bucket to ensure the bucket was built for the intended machine.
4. Following all standard safety practices and the instructions for installing an attachment in your machine operator's manual, install the attachment onto your machine.



NOTE: IT IS IMPORTANT TO MAKE SURE THE LOCKING MECHANISM ON YOUR QUICK ATTACH IS ENGAGED, THEREFORE LOCKING THE ATTACHMENT ONTO THE MACHINE.

5. Lower the unit to the ground and remove the key from the parent machine.
6. Relieve any pressure from the auxiliary hydraulic system and after making sure that there is not any foreign matter on the hydraulic couplers. Connect the power and return couplers to the auxiliary hydraulic system of your machine.
7. Route the hoses in such a fashion as to avoid pinching or chafing.
8. Carefully raise the loader and cycle the tilt cylinders to check clearances and to verify that all mounting procedures have been successfully completed. The machine is now ready for use.
9. Check the cutting edges or teeth are not worn. Ensure all worn parts are replaced. Worn parts will become ineffective and severely diminish the overall performance of the 4 in 1 Bucket.



IMPORTANT: BACK-DRAGGING MATERIAL OR PUSHING OR SCOOPING WITH THE FLOOR PARTIALLY OPEN CAN RESULT IN DAMAGE TO PRODUCT AND WILL VOID ALL TORO WARRANTIES.

4 INSTALLATION AND OPERATING INSTRUCTIONS

OPERATING PROCEDURES

STANDARD BUCKET OPERATION

1. Fully close the floor against the bulldozer weldment and this product can be used as a standard bucket.
2. When picking up small quantities of material, the floor should be opened. This product can be lowered to the ground so the material is between the bulldozer weldment and the back edge of the floor. The floor can then be closed to pick up nearly all of the material.
3. When dumping into a truck or similar application, this product can dump at a greater height than a standard bucket by opening the floor to release the material.

BULLDOZING OPERATION

1. With the floor open, tilt the bulldozer weldment forward so that the front cutting edge penetrates the desired depth into the soil or materials being moved or levelled.

BACK DRAGGING OPERATION

1. With the floor fully open, tilt the bulldozer weldment forward so that the back cutting edge of the floor is on the ground and the bulldozer weldment is off the ground. The angle of the back cutting edge permits the operator to cut sod or other vegetation.

GRAPPLE OPERATION

1. Open the floor sufficiently to clear the object being lifted. Lower the bucket so that the object is between the side jaws. Close the floor as completely as practical for the object being lifted and slowly begin lifting. If the object is too unstable, lower the object back to the ground and repeat until the object remains stable during the entire process. Always lower the object to a stable position before opening the floor.
(See page 8 for more information on correct grappling technique)

KWIK RIPS ATTACHMENT

1. Open your 4 in 1 Bucket and tilt forward.
2. Slide the floor of the 4 in 1 Bucket into the pickup and raise it slightly before closing so that the back locks into the pickup lug.

SPREADA BARS ATTACHMENT

1. Open your 4 in 1 Bucket and lower onto the spreada bar with bucket back cutting edge resting against the back of the pickup lug
2. Close the bucket so that the bucket floor locks into the front of the pickup lug on the spreada bar, adjust the angle of bucket if necessary
3. Raise up and tilt forward to check that the spreada bars are locked in correctly.

REMOVAL AND STORAGE

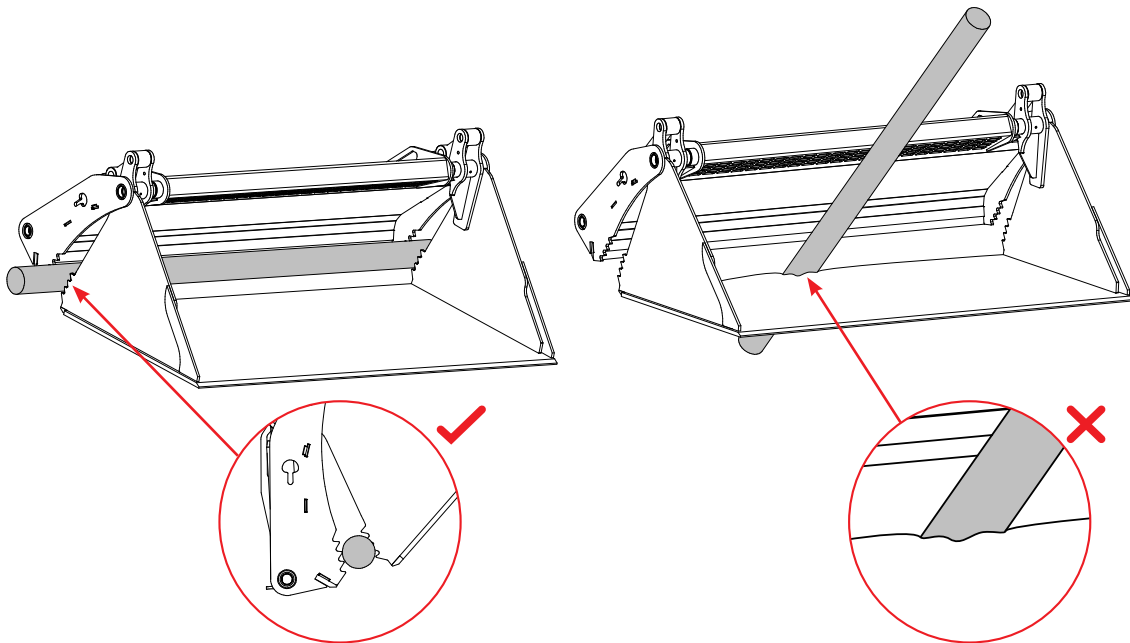
1. Set the attachment on the ground and follow the standard shut down procedure in your loader operators manual.
2. With the loader OFF, disengage the attachment lock pins, release hydraulic pressure from the auxiliary hydraulic system and disconnect the hydraulic couplers from the loader.
3. Start the machines engine and make sure that the lift arm is lowered and in contact with the loader frame.
4. Roll the attachment mechanism forward and slowly back up until the attachment is free from the machine.
5. Remove and store the attachment/s in a dry and protected place. Leaving the attachment/s outside will materially shorten its life.

4 INSTALLATION AND OPERATING INSTRUCTIONS

CORRECT GRAPPLING



IMPORTANT: ALWAYS USE THE SIDE JAWS TO PICK UP OBJECTS. DO NOT USE THE FLOOR TO PICK OR PULL OBJECTS. THIS WILL CAUSE DAMAGE TO THE FLOOR/BUCKET AND WILL VOID THE WARRANTY.



WHEN ATTACHMENTS ARE NOT ON PARENT MACHINE

It is a requirement of the Australian Workplace Health & Safety act 1995 that safe systems of work are employed when handling any attachments. Complete compliance with Workplace Health & Safety issues is compulsory and all due care and attention must be observed at all times in any method of moving, transporting or storing any such device when not attached to a parent machine. We recommend attachments are well secured when being moved or in transit. Furthermore, prior to moving, storing, loading/unloading or parking, it is suggested strapping/securing the attachment to a pallet or enclosed in a suitable container to minimise any movement or loss of the load during such activity. NO responsibility for loss or damage to persons or property in any regard may be attributed to TORO.

TRANSPORTING THE ATTACHMENT

1. Follow all Federal, State and local regulations when transporting the unit on public roads.
2. Use extra care when loading or unloading the machine onto a trailer or truck. Disconnect hydraulic couplers during transportation.

5 MAINTENANCE (Use only manufacturer recommended replacement parts)

The key feature of your TORO 4 in 1 Bucket is low maintenance; with no user-serviceable parts. Unauthorised disassembly voids warranty.



SAFETY FIRST!! READ AND UNDERSTAND THE SAFETY INSTRUCTIONS BEFORE PERFORMING ANY MAINTENANCE

BEFORE FIRST USE

- Inspect the attachment for shipping damage. If damage exists, do not operate until damaged parts have been replaced or repaired.

BEFORE EACH USE

- Make sure that all nuts and bolts are in place and properly tightened.
- Make sure that all other fasteners are in place and are performing their specified function.
- Make sure that all hydraulic fittings are tightened and that there are no leaks in any fittings or hoses.
- Make sure that all safety signs are in place, are clean, and are legible. (SEE THE SAFETY SIGN SECTION)
- Check for wear and tear on pins, linkages, cutting edges.
- Replace any damaged parts and excessively worn parts.
- Make sure area around cylinders is clean and clear of debris.
- Always wear safety goggles or glasses when inspecting equipment.



IMPORTANT: KEEP AREA AROUND CYLINDERS CLEAN AND CLEAR OF DEBRIS AT ALL TIMES. FAILURE TO DO SO MAY DAMAGE CYLINDERS AND VOID WARRANTY

EVERY 10 HOURS OF USE

- Grease 6 fittings: one on each of the two pivot points for the floor and one on each end of the two hydraulic cylinders.
Note: Some of the hydraulic cylinders have two grease fittings on the cross tube end of the barrel section of the cylinder. Only one of these two fitting must be greased.

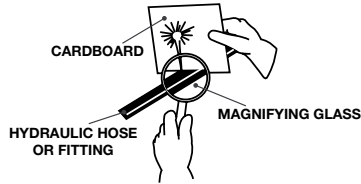
5 MAINTENANCE

Always wear safety goggles or glasses when inspecting equipment.

WARNING!



If injured by injected fluid, see a doctor at once. If your doctor is not familiar with this type of injury, ask him/her to research it immediately to determine proper treatment.



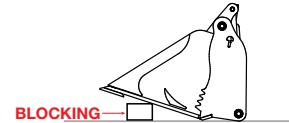
Escaping fluid under pressure can have sufficient force to penetrate the skin causing serious personal injury. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands to search for suspected leaks. Keep unprotected body parts, such as face, eyes,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

REPLACING THE OPTIONAL BOLT-ON CUTTING EDGE

If the TORO 4 in 1 Bucket is fitted with bolt-on cutting edges (optional) please follow the procedures below for replacement.

FRONT OF THE FLOOR

1. Park your machine on a level surface with this product properly attached.
2. Place your machine's transmission in 'Park' and engage the parking brake.
3. Lower this product onto pre-placed blocking as specified below:
(Blocking is a solid piece of wood used to elevate the front or back)



DANGER: DO NOT USE BLOCKING MADE OF CONCRETE BLOCKS, LOGS, BUCKETS, BARRELS OR ANY OTHER MATERIAL THAT COULD SUDDENLY COLLAPSE OR SHIFT POSITIONS. DO NOT USE WOOD OR STEEL BLOCKING THAT SHOWS ANY SIGNS OF MATERIAL DECAY. DO NOT USE BLOCKING THAT IS WRAPPED, TWISTED OR TAPERED.

COMPRESSIVE STRENGTH OF EACH BLOCKING UNIT:

1,000psi - 68 bar or the capability to support 1,000lb - 453.6kg without crushing or collapsing when the load is applied.

QUALITY AND LOCATION OF BLOCKING UNITS:

One block, the full width of the bucket, or two blocks at least 1' - 6" - (457mm) under each end of the bucket, all placed immediately behind the front cutting edge of the floor.

DIRECTION OF PLACEMENT:

The length should be parallel to that edge.

DIMENSIONS OF EACH BLOCKING UNIT.

Length: 66" (1700mm minimum) - greater than the bucket width preferred. Height: 6" (150mm). Base width: 27.5" (700mm)

REPLACING THE OPTIONAL BOLT-ON CUTTING EDGE (CONT)

FRONT OF THE FLOOR

4. Shut off the machines engine and remove the starter key. When all moving parts come to a stop, relieve all hydraulic line pressure.
5. Remove all nuts from the bolts that secure the cutting edge to the floor. Begin in the centre and remove the end nuts last. Use of a pipe wrench or hand grinder may be necessary to safely remove extremely worn or damaged nuts.
6. Remove the cutting edge and either turn the cutting edge end-for-end or, if this process has already occurred, properly dispose of the cutting edge. Properly dispose of all bolts and nuts.
7. Install the new or reversed cutting edge by loosely securing each end of the cutting edge with a new bolt and nut.
8. Install all the remaining new nuts and bolts and tighten all the new nuts to 380 ft. lbs.(51.52Nm), + or – 40ft. lbs. (5.42Nm)

REAR OF THE FLOOR

1. Horizontally place a 4 x 4 x 2'-0" (minimum) block of wood on blocking or on another type of stand so that the 4x4 is at least 8" above the ground and so that one end of the 4x4 has no support under at least the first 10" of that end.
2. Start the machines engine, raise the bucket, and open the floor of the bucket.
3. Position the bucket so that the unsupported end of the 4x4 is between one end of the bulldozer weldment and that same end of the floor. The 4x4 should be above the floor tooth area.
4. Close the floor to grasp the 4x4 between the bulldozer weldment and the floor. Having the floor teeth below the 4x4 will prevent the 4x4 from slipping down out of the grasp of the floor.
5. Park the machine on a level surface with the bucket properly attached. (Allow ample open area around the bucket.)
6. Engage the machines parking brake.
7. Lower the bucket onto preplaced blocking as specified on below.



DANGER: DO NOT USE BLOCKING MADE OF CONCRETE BLOCKS, LOGS, BUCKETS, BARRELS OR ANY OTHER MATERIAL THAT COULD SUDDENLY COLLAPSE OR SHIFT POSITIONS. DO NOT USE WOOD OR STEEL BLOCKING THAT SHOWS ANY SIGNS OF MATERIAL DECAY. DO NOT USE BLOCKING THAT IS WRAPPED, TWISTED OR TAPERED.

COMPRESSIVE STRENGTH OF EACH BLOCKING UNIT:

1,000psi - 68 bar or the capability to support 1,000lb - 453.6kg without crushing or collapsing when the load is applied.

QUALITY AND LOCATION OF BLOCKING UNITS:

One block, the full width of the bucket, or two blocks at least 1' - 6" - (457mm) under each end of the bucket, all placed immediately behind the front cutting edge of the floor.

DIRECTION OF PLACEMENT:

The length should be parallel to that edge.

5 MAINTENANCE

REPLACING THE OPTIONAL BOLT-ON CUTTING EDGE (Cont)

DIMENSIONS OF EACH BLOCKING UNIT.

Length: 66" (1700mm minimum) - greater than the bucket width preferred. Height: 6" (150mm) Base width: 27.5" (700mm)

8. Shut off the machines engine, remove the starter key. When all moving parts come to a stop, relieve all hydraulic line pressure.
9. Disconnect the two hydraulic lines from this product to your power unit.
10. Refer to the Operator's Manual(s) for your power unit, loader, quick-attach and follow the instructions contained therein for disconnecting this product from the machine.
11. Restart your power unit and move your power unit in front of this product while staying to one side of this product.
12. Move this product at an angle toward so that one of the front tyres rolls up onto the front cutting edge of the floor.
13. When that tyre is completely supported by the floor, place your power unit's transmission in 'Park' and engage the parking brake. This weight on the front cutting edge of the floor should hold the rear cutting edge of the floor and the bulldozer weldment cutting edge up off the level surface.
14. Shut off the machines engine, remove the starter key. When all moving parts come to a stop, relieve all hydraulic line pressure.
15. Remove all nuts from the bolts securing the cutting edge to the floor or the bulldozer weldment. Begin in the centre and remove the end nuts last. Use of a pipe wrench or hand grinder may be necessary to remove extremely worn or damaged nuts.
16. Remove and properly dispose of the cutting edge. The cutting edge on the rear of the floor may be turned end-for-end if only one side of the cutting edge is worn out. Properly dispose of all bolts and nuts.
17. Install the new or reversed cutting edge by loosely securing each end of the cutting edge with a new bolt and nut.
18. Install all remaining new nuts and bolts tightening on the rear of the floor to 380 ft. lbs., = or -40 ft. lbs. or all the new nuts on the bulldozer weldment to 245 ft. lbs., = or - 25ft. lbs. for 5/8" dia. bolts and 110ft. lbs., = or - 10 ft. lbs. for 1/2" dia bolts.

REPLACING TEETH ON KWIK RIPS

1. Tap Tooth (felt side down) to ensure felt is attached firmly.
2. Press felt on the front of the tooth to ensure felt is attached firmly.
3. Place tooth in the pocket ensuring the tooth cutting edge is facing the same direction as the pilot.
4. With the tooth placed in the pocket, knock the tooth in with a soft head Mallet.
5. Continue until all teeth are replaced as necessary.

REPLACING BUCKET TEETH

1. Knock the connector pin out from the bucket tooth.
2. Remove the worn bucket tooth from the tooth adaptor.
3. Insert the new tooth and knock the connector pin back into place.

6 SAFETY - STICKER LOCATION

PLACEMENT OR REPLACEMENT OF SAFETY SIGNS

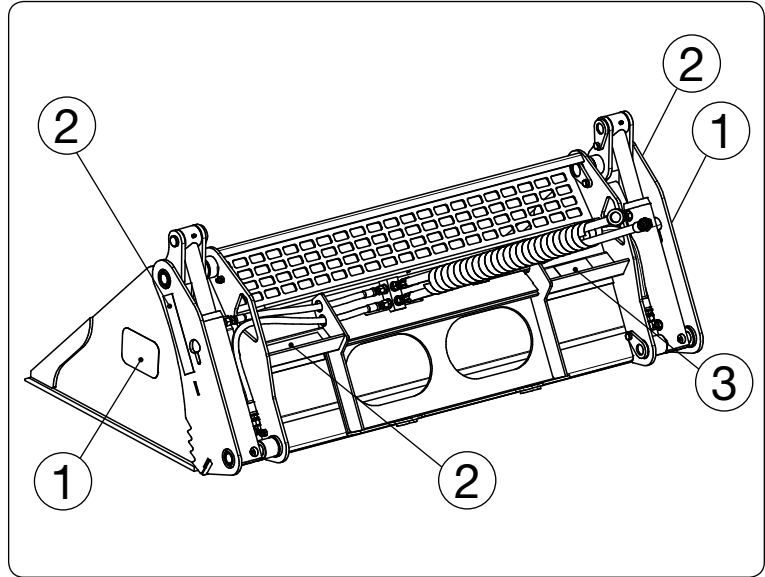
1. Clean the area of application with non-flammable solvent, then wash the same area with soap and water.
2. Allow the surface to fully dry.
3. Remove the backing from the safety sign, exposing the adhesive surface.
4. Apply the safety sign to the position shown in the diagram and smooth out any bubbles.

INSTRUCTIONS

- Keep all safety signs clean and legible.
- Replace all missing, illegible, or damaged safety signs.
- Replacement parts for parts with safety signs attached must also have safety signs attached.
- Safety signs are available from your dealer or from TORO Australia.

BUCKET

NO	ORDER CODE	DESCRIPTION	QTY
1	104-3989	DECAL - TORO LOGO	2
2	100-4648	DECAL - WARNING	2
3	100-4689	DECAL - TORO LOAD CAPACITY	1



ITEM 1



ITEM 2



ITEM 3



7 TROUBLESHOOTING

4 in 1 Bucket

TROUBLE	POSSIBLE CAUSE	REMEDY
Damage to Hydraulic Cylinder Rod or Oil.	Spoil build up between cylinder and bucket.	Repair or replace cylinder.
Oil Leak.	Loose Fittings or Hoses.	Inspect and Repair or Replace.
	Damage to Fittings or Hoses.	Inspect and Repair or Replace.
	Damage to cylinder.	Inspect and Repair or Replace.
Damage to Bucket.	Abuse.	Contact your local TORO dealer.
	Bucket not fitting to parent machine correctly.	Contact your local TORO dealer.

SPREADA BARS

TROUBLE	POSSIBLE CAUSE	REMEDY
Damage to Spreada Bars.	Abuse.	Contact your local TORO Dealer.

KWIK RIPS

TROUBLE	POSSIBLE CAUSE	REMEDY
Bent.	Abuse.	Contact your local TORO Dealer.
Not ripping soil effectively.	Worn Teeth.	Inspect and replace.

8 SAFETY PRECAUTIONS - GENERAL INFORMATION

This section is composed of various warnings and safety tips. **Read and learn all the information in this section before you attempt to use your attachment.** Also read your machines Operator's Manual before using your equipment. This knowledge will help you operate your unit safely. **Do not take this information lightly, it is presented for your benefit and for the benefit of others working around you.** The "Safety Alert Symbol"  will be used throughout this manual. It will appear with the word **DANGER, WARNING, or CAUTION**, and a safety message pertaining to the specific topic being covered. Take the time to read these messages as you come across them.

The TORO 4 in 1 Bucket receives its power from the Machine through the Auxiliary Valve circuit with Quick Release Couplers normally located on the machine arms near the front. Attaching points on the 4 in 1 Bucket are the same as the bucket attaching points on your machine.

If you are in any doubt contact your nearest TORO Dealer for assistance.

TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY OR OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

THIS SYMBOL MEANS:



ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

SIGNAL WORDS: Note the use of signal words DANGER, WARNING, and CAUTION with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

DANGER: Indicates an imminently hazardous situation, which if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components which, for functional purposes, cannot be guarded.

WARNING: Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION: Indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

TO THE OPERATOR:

The primary responsibility for safety with this equipment falls to the operator. Make sure that the equipment is operated only by trained individuals that have read and understand this manual. Don't hurry the learning process or take the unit for granted. It is the skill, care, common sense, and good judgement of the operator that will determine how efficiently and safely the job is performed. Know your equipment before you start. Know its capabilities and how to operate all the controls. Visually inspect your equipment before you start, ensure correct assembly and installation of the attachment and never operate equipment that is not in proper working order. Practice the operation of your new attachment and become familiar with the controls and the way it handles on your machine. If there is any portion of this manual or function you do not understand, contact your local authorised dealer or the manufacturer.

* Please note that references made throughout this manual to the 'Dial 1100' before you dig number is for Australian customers only. If you have purchased this TORO Drive Unit outside of Australia please contact your local utility companies for the relevant information

8 SAFETY PRECAUTIONS - GENERAL INFORMATION

1. Never operate the attachment without first reading and understanding the entire operator's manual.
2. **Do not paint over**, remove or deface any safety signs or warning decals on your equipment.
3. **Follow all safety decals**. Keep them clean and replace them if they become worn, damaged or illegible.
4. Know your equipment inside and out. Know how to operate all controls and know emergency shut down procedures.
5. **Keep all stepping surfaces, pedals, and controls free from dirt, grease and oil**. Keep equipment clean to help avoid injury from slipping or a fall when getting on or off equipment.
6. Operate the attachment only in daylight or sufficient artificial light.
7. Always carry loads close to the ground. Do not step off machine platform with load raised.
8. **Turn off engine before performing maintenance**. All maintenance can be performed with the machine arms lowered. If lift arms must be left raised for any reason, use a positive lift arm lock to secure the arms in place. Serious damage or personal injury could result from lift arms accidentally lowering.
9. **Reduce speed when driving over rough terrain**, on a slope, or turning to avoid overturning the machine.
10. **Check your work area and know where all utility lines are**. Avoid hitting underground or overhead electrical wires, cables, pipes, fence posts, gas lines, etc.
11. **Never operate equipment while under the influence of alcohol, prescription drugs or any other form of illegal recreational drugs** which could inhibit physical and/or mental capacity.
12. Do not exceed rated operating capacity, as machine may become unstable resulting in loss of control.
13. **Always lower the loader arms or machine boom to the ground**, shut off the engine and remove the key before getting off the unit.
14. Operators, helpers, and other personnel working near the 4 in 1 Bucket must wear steel-toe safety shoes, safety glasses, and hard hats as a minimum. Hearing protection, respirators, and protective clothing will be specified in the site-specific Health & Safety Plan.
15. Be alert to others in the work area. Be sure others know when and where you will be working. Make sure no one is behind equipment or within 6 metres of it operating.
16. Loose fitting clothing, long hair, jewellery and equipment which might become entangled in moving equipment are prohibited while working near the 4 in 1 Buckets.
17. Machines must be shut down and properly locked-out and tagged before repairs or maintenance is performed. Only properly trained and qualified individuals are permitted to perform repairs and maintenance.
18. Site workers shall not be allowed on/in the 4 in 1 Bucket, while it is in operation or the equipment is being moved.
19. Machinery must be shut down and the key removed before being left unattended.
20. Controls must be engaged slowly until hydraulic fluids and the unit are up to operating temperature. This is critical during cold weather. Impact or shock loading of the system is prohibited.
21. 4 in 1 Buckets shall be used only for their designed intent and shall not be loaded beyond their rated capacity. Overloading or exceeding the manufacturers specifications will void all warranty.
22. Only authorised, properly trained workers will be permitted to operate 4 in 1 Buckets, Spreada Bars and Kwik Rips. All unnecessary personnel will stand clear of 4 in 1 Buckets, Spreada Bars and Kwik Rips or devices while they are in operation.

8 SAFETY PRECAUTIONS - GENERAL INFORMATION

23. The operator shall verbally alert site workers and visually ensure all site workers are clear from dangerous parts of equipment before starting or engaging equipment.
24. 4 in 1 Bucket must be stationary before making adjustments to the equipment.
25. 4 in 1 Buckets shall be clean only when the mechanism is in neutral and the 4 in 1 Bucket stopped; long-handled shovels shall be used to move cuttings from the bucket. Materials heavier than 10kgs must be moved mechanically or by using at least two people.
26. During operation, weather conditions shall be monitored: operations shall cease during electrical storms or when electrical storms are imminent.

WHEN MOUNTING THIS PRODUCT TO YOUR MACHINE

- Refer to the Operator's Manual of your machine, and your quick-attach for special or detailed mounting instructions.
- This product should fit onto the quick-attach Frame or Hitch.
- If this product does not fit properly, contact your TORO Dealer before operating.
- Never place any part of your body into the mounting plate, frame, hitch or loader holes. A slight movement of the power unit or this product could cause serious injury.
- Where 'Dead Man' connections are connected or installed it is illegal to disengage, tamper with or remove them.

BEFORE EACH USE, THOROUGHLY INSPECT THIS PRODUCT AND

- Make certain that all safety signs are in place and legible. Refer to the safety sign page in this manual for the placement of safety signs for this product.
- Replace all damaged or excessively worn parts and hardware only with genuine TORO parts or with properly rated fasteners, hydraulic hoses, or fittings.
- Make certain that all locking pins, latches, and connection devices are properly installed and secured.
- Make certain that all protective guards, canopies, doors, etc., are in place and secure.

WHEN ADJUSTING, SERVICING OR REPAIRING THIS PRODUCT

- Make no modifications to your 4 in 1 Bucket.
- When making repairs, use only genuine TORO parts for fasteners, hydraulic hoses, or hydraulic fittings, use only properly rated parts.
- Replacement parts, for parts with safety signs attached, must also have safety signs attached.

9 SAFETY - WORKING WITH THE ATTACHMENT

WHEN DEALING WITH HYDRAULICS DURING ANY TYPE OF ASSEMBLY, OPERATION, MAINTENANCE, OR OTHER WORK ON OR NEAR THIS PRODUCT



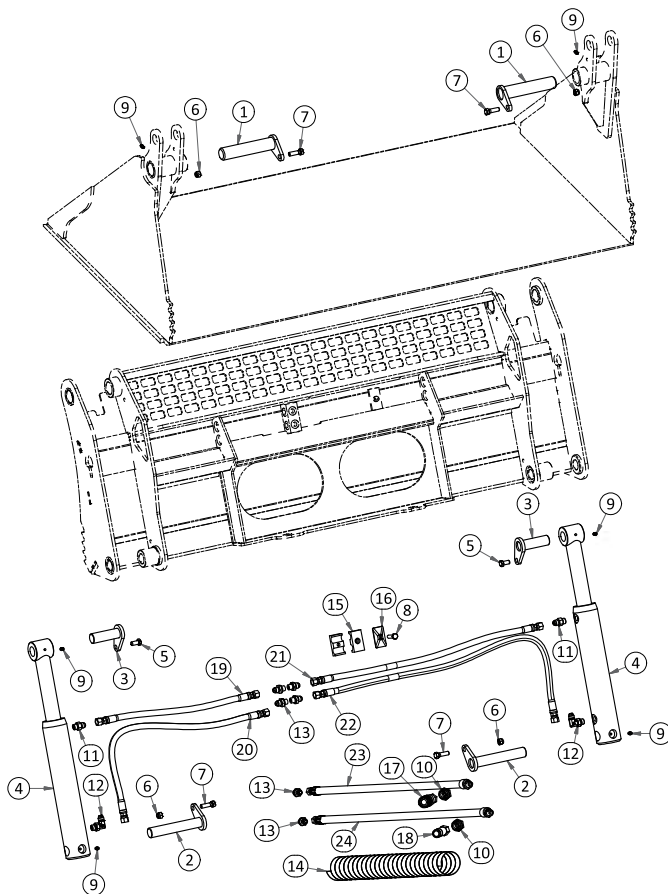
- Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible!
- If any fluid penetrates the skin, GET IMMEDIATE MEDICAL ATTENTION!!
- Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks. DO NOT USE YOUR HANDS!
- Before connecting or disconnecting hydraulic hoses, read your machine Operator's Manual for detailed instructions on connecting and disconnecting hydraulic attachments.
- Make certain that all parts meet the specifications for this product when installing or replacing hydraulic hoses or fittings.
- After connecting hydraulic lines:
 - Slowly and carefully raise the loader arm and cycle the rollback/dump cylinders to check hose clearances and to check for any interference.
 - Operate the hydraulics on this product to check hose clearances and to check for any interference.
 - Make certain that the hoses cannot interfere with or actuate the quick-attach mechanism.
 - Make certain that hoses will not be pinched, or get tangled, in any equipment.
- Do not lock the auxiliary hydraulics of your power unit in the "ON" position.
- Refer to your machines operator's manual and this manual for procedures and intervals, then inspect and maintain the entire hydraulic system to insure that the fluid remains clean, that all devices function properly, and that there are no fluid leaks.

WHEN OPERATING THIS PRODUCT IN ACCORDANCE WITH DESIGN INTENTIONS

- Know your machines safe operating weight limit, and the weight of loaded attachment.
- Use caution when working close to fences and ditches, or on uneven ground.
- Never get between the floor and the bulldozer weldment.
- Do not roll back this product so far that materials fall towards the operator.
- Always close the floor securely against the bulldozer weldment before setting the unit down on the ground.

For additional safety information please see Risk Management booklet. To obtain a copy contact TORO Head Office on +61 8 8300 3633

10 SPARE PARTS



ITEM	PART NUMBER	DESCRIPTION	QTY
1	BU-000084	BUCKET - MINI - CLEVIS PIN MAIN	2
2	BU-000085	BUCKET - MINI - CLEVIS PIN BOTTOM	2
3	BU-003019	BUCKET - MINI - CLEVIS PIN TOP	2
4	CY-000078	HYDRAULIC CYLINDER	2
5	FA-000052	CYLINDER TOP CLEVIS BOLT	2
6	FA-000093	NYLOC NUT	4
7	FA-000149	CYLINDER BOTTOM CLEVIS BOLT	4
8	FA-000161	HOSE CLAMP BOLT	1
9	FA-000401	GREASE NIPPLE	6
10	HA-000016	FITTING - QRC ADAPTOR	2
11	HA-000024	FITTING - CYLINDER TOP	2
12	HA-000031	FITTING - CYLINDER BOTTOM	2
13	HA-000088	FITTING - TEE BLOCK	6
14	HA-001074	HOSE GUARD - SPIRAL WRAP	1
15	HA-100033	TWIN CLAMP - (PAIR)	1
16	HA-100047	HOSE CLAMP - TOP	1
17	HC-000001	QRC - COUPLING - FEMALE	1
18	HC-000002	QRC - COUPLING - MALE	1
19	HS-002656	HOSE ASSY - TOP LEFT	1
20	HS-002657	HOSE ASSY - BOTTOM LEFT	1
21	HS-002658	HOSE ASSY - TOP RIGHT	1
22	HS-002659	HOSE ASSY - BOTTOM RIGHT	1
23	HS-002688	HOSE ASSY - SUPPLY A	1
24	HS-002692	HOSE ASSY - SUPPLY B	1

WARRANTY

All new TORO 4 in 1 are warranted to be free from defects in materials or workmanship, for a period of twelve (12) months from date of original purchase, which may cause failure under normal usage and service when used for the purpose intended.

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

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

DAMAGE OR FAILURE THROUGH OPERATOR ABUSE OR NEGLIGENCE VOIDS WARRANTY

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED AND THERE ARE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL TORO BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGE. TORO'S LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES TO BUYER, RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING TORO'S NEGLIGENCE, IRRESPECTIVE OF WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PARTICULAR PRODUCTS WITH RESPECT TO WHICH LOSSES OR DAMAGES ARE CLAIMED, OR, AT THE ELECTION OF TORO, THE REPAIR OR REPLACEMENT OF DEFECTIVE OR DAMAGED PRODUCTS.

BUCKET GUARANTEE

This guarantee is effected under the following terms & conditions:

That the bucket was purchased in good faith for the intended use of the bucket to scoop materials, bulldoze & grade, grapple and lift objects (within specified lift capacities, & are loose objects above the ground), levelling & that the bucket was used in accordance with the operating instructions as supplied in the operators manual.

1. TORO has the right to rectify the issue\grievance before honouring refund. If an amicable arrangement cannot be achieved within 7 days of the return of the bucket to TORO, this guarantee will take effect.
2. The bucket must have been used for its intended purpose.
3. The bucket must not be damaged beyond normal wear and tear (7 day operation) acceptable.
4. Only valid on a standard 4 in 1 Bucket, 20mm flat floor, standard number of teeth and one bolt on cutting edge. Custom buckets built outside of TORO Standard are not covered under this guarantee.

Return freight only will be covered under this guarantee. Only Local freight costs within the Brisbane, Sydney, Melbourne metropolitan area will be covered by TORO. Return freight costs outside of these areas must be prepaid by the purchaser.

NB: A 4 in 1 Bucket is not design for extraction of posts, rocks etc.. from the ground & damage or non-performance of this function are not covered under this guarantee.



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