



CT3RRG, CT3RRG-JD1, MS3RRG, MS4RRG OWNER'S MANUAL COMPACT TRACTOR, MINI SKID STEER ROOT RAKE GRAPPLE



Owner: _____

Date Purchased: _____

Model # CT3RRG, CT3RRG-JD1, MS3RRG, MS4RRG

Serial #: _____

Revision 1 : 1/2026

PN: 620-0025

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PREFACE

GENERAL COMMENTS

Congratulations on the purchase of your new Rock Solid product! This product was carefully designed and manufactured to give you many years of dependable service. Limited maintenance (mainly cleaning and lubricating) is required to keep it in top working condition. Always observe all maintenance procedures and safety precautions in this manual. Also be aware of any safety decals located on the product and on any equipment on which the attachment is mounted.

This manual has been designed to help you do a better, safer job. Read this manual carefully and become familiar with its contents.



WARNING: Never operate this attachment without reading the “Safety Precautions” and “Operating Instructions” section of this manual.

When parking the machine, always choose hard level ground and set the parking brake prior to exiting the machine so the unit cannot roll.

Unless noted otherwise, right and left sides are determined from the operator’s control position when facing forward.

NOTE: The illustrations and data used in this manual were current (according to the information available to us) at the time of printing, however, we reserve the right to redesign and change the attachment as may be necessary without notification.

BEFORE OPERATION

The primary responsibility for safety with this equipment falls to the operator. Make sure the equipment is operated only by trained individuals that have read and understand this manual. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or the manufacturer to obtain further assistance. Keep this manual available for reference. Provide the manual to any new owners and/or operators.

SAFETY ALERT SYMBOL



WARNING: This is the “Safety Alert Symbol” used by this industry. This symbol is used to warn of potential hazards that can cause serious injury or death. Be sure to read all warnings carefully, they are included for your safety and for the safety of others working with you.

PARTS AND SERVICE

Use only manufacturer replacement parts. Aftermarket or substitute parts may not meet the required performance standards.

Record the model number of your unit on the cover of this manual. This will assist our parts department to insure that you receive the proper parts for your particular product.

SAFETY SIGNAL WORD PANEL & SIGN



THIS SYMBOL BY ITSELF OR WITH THE WORD "WARNING" IN THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS THAT ARE VITAL TO YOUR PERSONAL SAFETY OR THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.



DANGER

THIS SIGNAL WORD INDICATES AN IMMINENT HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.



WARNING

THIS SIGNAL WORD INDICATES A POTENTIAL HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.



CAUTION

THIS SIGNAL WORD INDICATES A POTENTIAL HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

NOTICE

THIS SIGNAL WORD INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

GENERAL SAFETY PRECAUTIONS

WARNING!



READ MANUAL PRIOR TO INSTALLATION AND OPERATION

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual, as well as all manuals related to this equipment and the prime mover thoroughly before beginning installation, operation, or maintenance.

FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL.



READ AND UNDERSTAND ALL SAFETY STATEMENTS

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation. Know and follow best work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.



KNOW YOUR EQUIPMENT

Know your equipment's capabilities, dimensions, and operations before operating. Visually inspect your equipment before you start, and never operate equipment that is not in proper working order with all safety devices intact. Check all hardware to ensure it is tight. Make certain that all locking pins, latches, and connection devices are properly installed and secured. Remove and replace any damaged, fatigued, or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean, and replace them if they become worn or hard to read.

Contact ROCK SOLID or your dealer if you need to replace decals.

EQUIPMENT SAFETY PRECAUTIONS

WARNING!



WATCH OUT FOR UTILITIES

Observe overhead electrical and other utility lines. Be sure equipment will clear them. When digging, call your local utilities for location of buried utility lines, gas, water, and sewer, as well as, any other hazard you may encounter.

WARNING!



OPERATING THE UNIT

- Do not exceed the lifting capacity of your prime mover.
- Operate only from the operator's station.
- When traveling on rough terrain, reduce speed to avoid "bouncing". Loss of steering may result.
- When operating on slopes, drive up and down, not across. Avoid steep hillside operation, which could cause the prime mover to overturn.
- Reduce speed when driving over rough terrain, on a slope, or turning, to avoid overturning the vehicle.
- An operator must not use drugs or alcohol, which can change his or her alertness or coordination. An operator taking prescription or over-the-counter drugs should seek medical advice on whether or not he or she can safely operate equipment.
- Before exiting the prime mover, lower the attachment to the ground, apply the brakes, turn off the prime mover's engine and remove the key.
- Never lift the lowest portion of the attachment plate higher than 5 feet above the ground.
- Do not lock the auxiliary hydraulics of your prime mover in the "ON" position.
- Do not use the top of this product as a step. Under certain conditions - this area can be slippery.

WARNING!



TRANSPORTING THE UNIT

- When transporting the attachment and prime mover on a trailer: Secure attachment using tie down accessories that are capable of maintaining attachment stability.
- When driving on public roads use safety lights, reflectors, Slow Moving Vehicle signs etc., to prevent accidents. Check local government regulations that may affect you.
- Do not drive close to ditches, excavations, etc., cave in could result causing serious injury or death.

INSTALLATION AND OPERATION

WARNING!



USE CAUTION WITH HYDRAULIC FLUID PRESSURE

Hydraulic fluid under pressure can penetrate the skin causing serious injury or death. Leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your prime mover's operator manual for instructions on connecting, disconnecting, and inspecting hydraulic hoses and fittings.

- Keep unprotected body parts as far away as possible from a leak.
- Wear safety glasses or face shield, gloves, and protective clothing covering arms and legs when searching for and repairing hydraulic leaks.
- Use a piece of wood, cardboard or similar to search for leaks instead of feeling or looking for it with your hands.
- If injured by hydraulic fluid, see medical assistance immediately. Skin or flesh injected with hydraulic fluid can quickly become septic or cause injury.

ATTACHING TO PRIME MOVER

Install attachment by following the instructions in your machines operator's manual for installation of an attachment. Two hydraulic hoses will need to be connected to the prime movers hydraulic remote valve system.

WARNING!



MAKE SURE THAT THE ATTACHMENT IS SECURELY LATCHED TO THE PRIME MOVER. FAILURE TO DO SO COULD RESULT IN ATTACHMENT SEPARATION WHICH COULD LEAD TO SERIOUS INJURY OR DEATH.

DETACHING FROM PRIME MOVER

With your machine on level ground, lower the arms of the loader making sure that the attachment is on the ground. Follow the loader operator's manual instructions for removing an attachment.

OPERATION

- Run the prime movers engine at idle to engage the hydraulic cylinders that move the grapple arms.
- Increase engine rpm to desired operating speed.
- Open the claws to empty them or to approach the load.
- Position open claws over the load near the center of gravity (to carry) or at one end (to drag).
- Close grapples to secure load.
- Always travel straight up or down and incline, keeping the load uphill from the prime mover.
- Minimize how much of the load overhangs the sides of the prime mover in order to prevent tipping of the prime mover.
- Drive with load close to the ground in order to ensure prime mover stability.
- **DO NOT** use claws to crush debris or break logs, etc.
- **DO NOT** use to pick up round bales.
- Reduce engine pm to idle and stop engine, relieve hydraulic system before disengaging remote couplers.
- Manufacturer is not responsible for damages to product due to misuse of attachment.

Regular maintenance includes the greasing of the machine in 6 locations. The locations are as follows: 2 per cylinder and 1 on each claw pivot. The locations are highlighted by yellow grease decals.

Inspect the unit for damage such as a bent or scratched cylinder shaft, or bent claw. Do not use if cylinder shaft is bent.

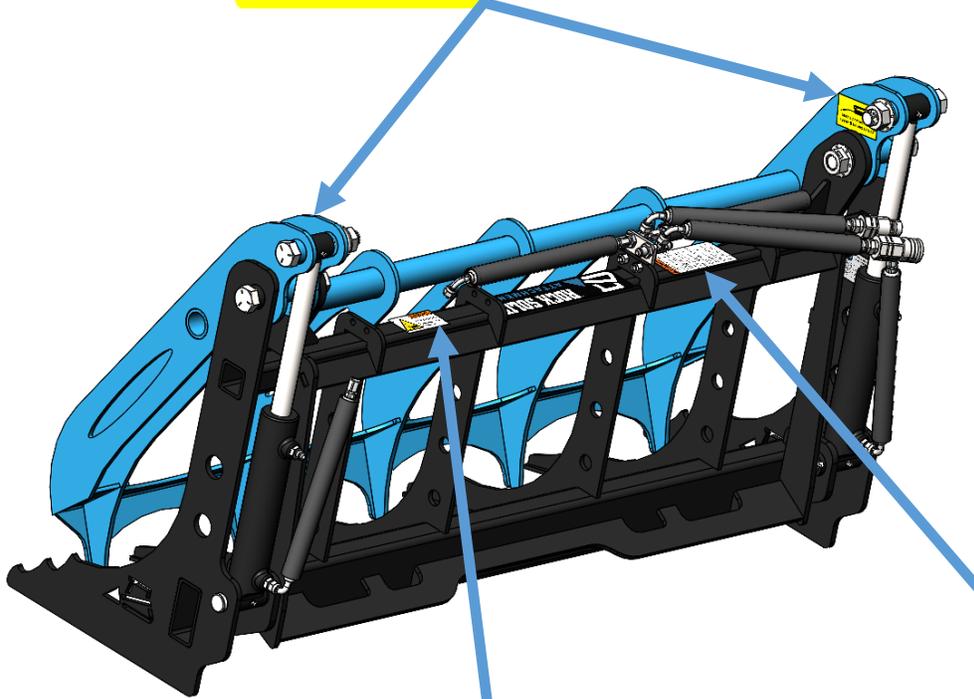
Inspect for leaking hydraulic lines and fittings. Do not use until leaks are repaired.

DECALS

IMPORTANT: Keep all safety decals clean and legible. Replace all missing, illegible, or damaged safety decals. When replacing parts with safety decals attached, the safety decals must also be replaced. Safety decals are available, free of charge, from your local dealer or Rock Solid Attachments. (branding or graphics decals available for purchase).

REPLACING SAFETY DECALS: Clean the area of application with nonflammable solvent, then wash the same area with soap and water. Allow the surface to fully dry. Remove the backing from the safety decal, exposing the adhesive surface. Apply the safety decal to the position shown in the diagram above and smooth out any bubbles.

Grease 610-0002



General Warning 610-0003

⚠ WARNING

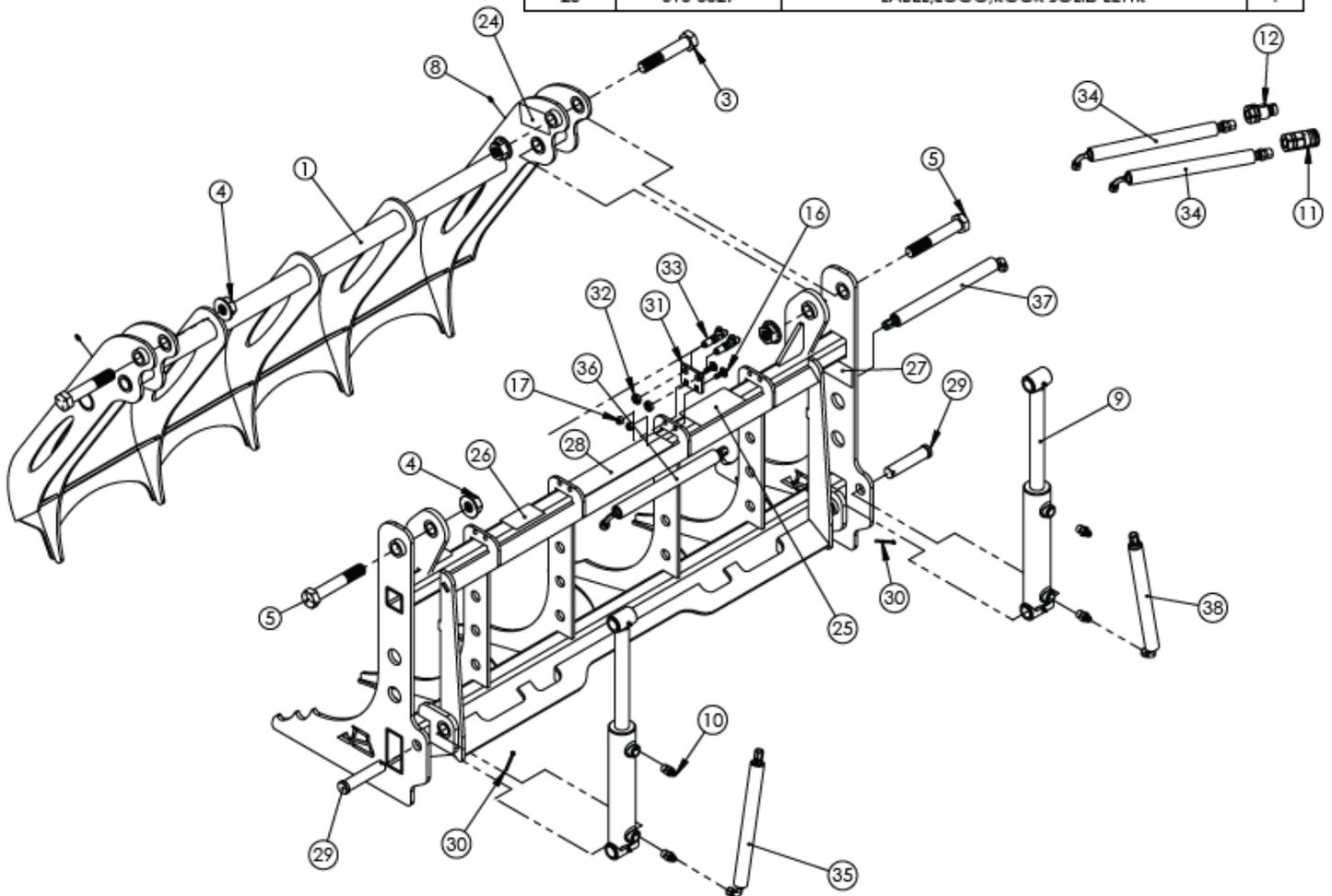
- Do not exceed weight limit of attachment or loader.
- Do not lift or carry anyone on attachment.
- Attachment should be used with the proper counterweight on rear of tractor. When handling loads on both ends of tractor, load rear first and unload last.
- Set wheels wide for increased stability.
- Never raise load to extreme heights on steep inclines.
- Keep load as low as practical to maximize power unit stability.
- Make sure latching mechanism is engaged and attachment is securely mounted to the loader.
- Do not stand or work under raised attachment.
- Stop engine, lower loader, relieve all hydraulic pressure, and lock brakes before leaving operator's seat.
- Failure to observe the above precautions can result in serious injury or death.

Pinch Point



REPLACEMENT PARTS: CT3RRG, CT3RRG-JD1, MS3RRG, MS4RRG

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	150-0046	WELD,CLAW,BLUE	1
3	510-0088	SCREW,HEX,1-8X5.50,G5,ZC	2
4	510-0084	NUT,HEX,LOCK,1.00-8,G8,ZC	4
5	510-0101	SCREW,HEX,1-8X6.00,G5,ZC	2
29	510-0093	PIN,CLEVIS,1.00X4.313,ST,ZP	2
30	510-0091	PIN,COTTER,3/16X 2.00",STEEL,ZC	2
8	510-0031	GREASE ZERK,STR,1/4-28	2
9	580-0016	CYL,HD,3000,2X8,-6FNPT	2
10	570-2430	FTG,STR,-6MNPT,-6MJIC,ST,ZC	4
11	570-0015	FLAT FACE COUPLER,1/2 FEMALE,1/2 FNPT,ZP	1
12	570-0008	FF COUPLER, MALE, 1/2, 1/2NPT	1
31	103-0275	PLATE,BULKHEAD,-6	1
32	570-0023	NUT,BULKHEAD,-6 JIC	2
33	570-0022	FTG,TEE,BULHEAD,-6MJIC,ST,ZC	2
16	510-0500	SCREW,CAR,3/8-16X1.001,G5,ZC	2
17	510-0029	NUT,NYLOCK .375-16,G2,ZC	2
34	575-0001	HOSE ASM,-6,4K,-6FJIC90,-6MNPT,67	2
35	575-0004	HOSE ASM,-6,4K,-6FJIC,-6FJIC90,45.0	1
36	575-0003	HOSE ASM,-6,4K,-6FJIC,-6FJIC90,35.0	1
37	575-0002	HOSE ASM,-6,4K,-6FJIC,-6FJIC90,23.0	1
38	575-0005	HOSE ASM,-6,4K,-6FJIC,-6FJIC90,30.0	1
24	610-0002	LABEL,GREASE EVERY 8 HOURS	2
25	610-0003	LABEL,GENERAL WARNING	1
26	610-0006	LABEL,PINCH POINT	1
27	610-0028	LABEL,SERIAL TAG,ROCK SOLID	1
28	610-0029	LABEL,LOGO,ROCK SOLID LETTR	1



SPECIFICATIONS

CT3RRG, CT3RRG-JD1, MS3RRG, MS4RRG

WEIGHT	314 LBS (142 Kg)
WIDTH	56.9" (1,445mm)
DEPTH	21.6" (549mm)
HEIGHT	32.4" (823mm)
CLAW OPENING	50.3" (1277mm)
HYDRAULIC CYLINDER	3000 PSI MAX
MAX CAPACITY (DO NOT EXCEED PRIME MOVER CAPACITY)	2000 LBS (907 Kg)

PRODUCT WARRANTY

MANUFACTURER'S LIMITED WARRANTY

Rock Solid Attachments manufactured products are warranted to the original purchaser. To provide you with the most current warranty information, Rock Solid Attachment Warranty, Warranty Claim Form is located on the website: www.rocksolidattachments.com/warranty.

PRODUCT REGISTRATION

HOW TO REGISTER PRODUCT

Upon receipt of your Rock Solid Attachment product please register it online: www.rocksolidattachments.com/product-registration.

Locate the product's model name and serial number found on the serial tag located on the back side of the product. Information entered is solely for warranty usage only and is kept confidential, and not shared with third parties.

California Proposition 65	
	WARNING: Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see www.P65Warnings.ca.gov/motor-vehicle-parts .



ROCK SOLID™ ATTACHMENTS

Phone: 833-819-4422