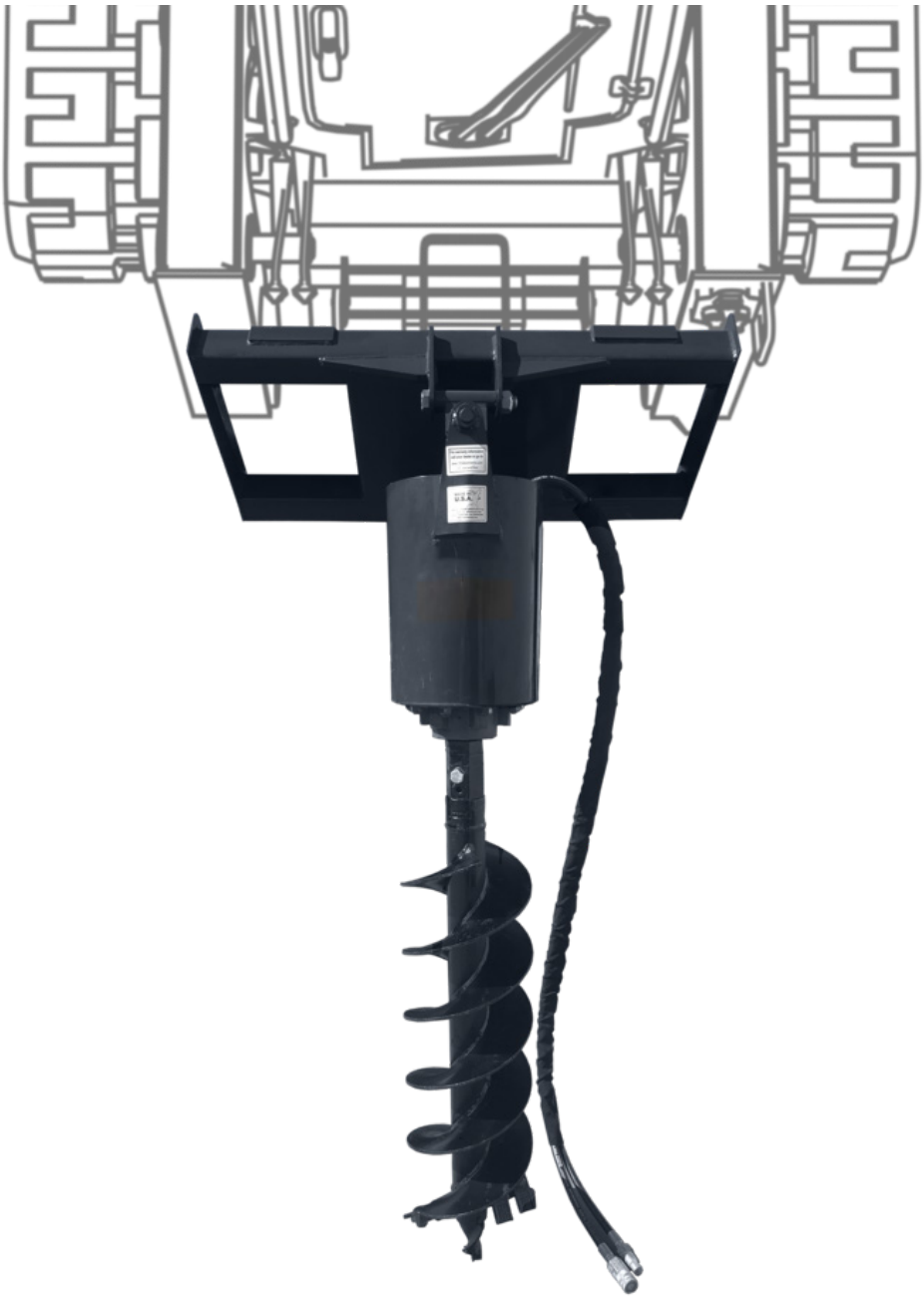
CID ATTACHMENTS

AUGERS

OWNER'S MANUAL



MINI | HEAVY DUTY | X-TREME

APR
2026

OPERATING INSTRUCTIONS| SAFETY RULES | MAINTENANCE PROCEDURES

REGISTER YOUR PRODUCT

CID

336-859-2002

MODEL		WEIGHT	
PART		HP RANGE	
SERIAL			
HYDRAULIC PRESSURE		HYDRAULIC FLOW	

WWW.CIDATTACHMENTS.COM

Please see the inside of the back cover for instructions of where to find your model and serial number.

⚠WARNING

To prevent personal injury or even death, be sure you read and understand all the instructions in this manual and other related OEM equipment manuals! This attachment if not used and maintained properly, can be dangerous to users unfamiliar with its operation. Do not allow operating, maintaining, adjusting, or cleaning of this attachment until the user has read this manual and has developed a thorough understanding of the safety precautions and functions of the unit. DO NOT modify or use this attachment for any application other than that for which it was designed. Attachments maintained or operated improperly or by untrained personnel can be dangerous, exposing the user and/or bystanders to possible serious injury or death.

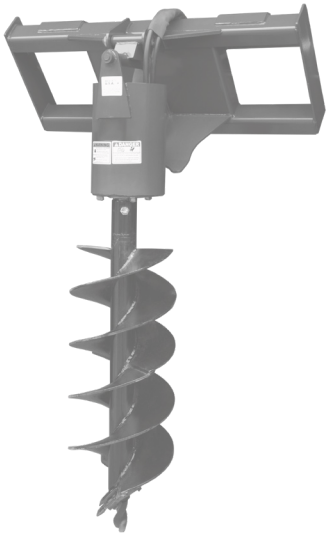
Purchase Date:	
Dealer Name:	
Address:	
Phone Number:	

WELCOME

Thank you for choosing CID. This attachment has been designed and manufactured to meet the needs of discerning users. We are committed to providing you with a heavy duty product that will provide years of satisfaction and safe operation.

This manual will provide instructions on how to safely operate and maintain this attachment. All users must read and understand this manual before operating this attachment. Upon reading this manual, all users should sign the “Safety Acknowledgment Form” at the end of this manual.

Please record your model and dealer information on the inside front cover. You will be asked to provide this information when ordering parts or requesting service. If you need more information on this product, contact your local dealer or visit *www.cidattachments.com.*



Sincerely,

The CID Team

SPECIFICATIONS	MINI	HEAVY DUTY AUGER	X-TREME AUGER
Hydraulic Flow Options	10-20 GPM	15-25 GPM	15-25 GPM
Drives Available	2” Hex or 2 9/16” Round Drive	2” Hex or 2 9/16” Round	2” Hex Drive
Weight	287 lbs	300 lbs	342 lbs
Machine Compatibility	Mini Skid Steer	Skid Steer, Excavator	Skid Steer, Excavator
Digging Depth	42”	48”	48”
Teeth Type	Dirt, Rock	Dirt, Rock	Dirt, Rock
Bit Width Size	Up to 36” Bit	Up to 36” bit	Up to 48” Bit

Reproduction With Permission Only, CID, INC. All Rights Reserved. This manual may not be reproduced or copied, in part or in whole without written permission.

CIDAGR-MANU-V3M0426 / THIRD EDITION / APRIL 2026 Approval: Jon Williams

TABLE OF CONTENTS

INTRODUCTION.....3

WARRANTY DISCLAIMERS.....5

SECTION 2 SAFETY INFORMATION

2.0 Safety Terms.....6
2.1 Safety Symbols.....7-8
2.2 Safety Decals.....9-10
2.3 Skid Steer Loader Requirements.....11
2.4 Personal Protective Equipment Requirements.....11
2.5 General Safety Instructions.....12
2.6 Federal Laws and Regulations.....13

SECTION 3 OPERATING PROCEDURES

3.0 Unpacking Your Auger 14
3.1 How to Connect Attachment.....14-15
3.2 Controls.....16-17
3.3 Learning Your Attachment.....17
3.4 Before Using Your Attachment.....18
3.5 Operating Tips.....18
3.6 Digging Preparation.....19
3.7 First Time Use & Attaching The Bit.....20
3.8 Operating Instructions.....21-24
3.9 Selecting The Correct Auger Bit.....24-25
3.10 Optional Stump Planer Bit.....25
3.11 How to Disconnect Attachment.....26

SECTION 4 MAINTENANCE PROCEDURES

4.0 Maintenance Overview.....27-28
4.1 Maintenance Schedule.....28
4.2 Maintenance Log Instructions.....29
4.3 Storage Tips.....29
4.4 Torque Specification Table & Instructions.....30
4.5 Torque Equipment Requirements.....30
4.6 Lifting Points.....31
4.7 Tie Down Points.....31
4.8 Teeth and Pilot Fishtail Replacement.....32
4.9 Bearing Housing and Gearbox Maintenance.....32

SECTION 5 TROUBLESHOOTING

5.0 Troubleshooting Chart.....33-34

SECTION 6 SPECIFICATIONS

6.0 Specification Chart.....35

SECTION 7 PARTS INFORMATION

7.0 Parts Information Form.....36
7.1 Round Auger Drive Parts Diagram.....37
7.2 Hex Auger Drive Parts Diagram.....38
7.3 X-Treme Hex Auger Drive Parts Diagram.....39
7.4 Mini Hex Auger Drive Parts Diagram.....40
7.5 Mini Round Auger Drive Parts Diagram.....41

SECTION 8 WARRANTY INFORMATION
8.0 Warranty Statement.....42-43
8.1 Warranty Return Authorization.....43
8.2 Warranty Procedure.....44

SECTION 9 SAFETY ACKNOWLEDGMENT FORM.....45

SECTION 10 MAINTENANCE LOGS......46

APPENDIX A HOW TO FIND YOUR SERIAL NUMBER......47



CAUTION **DO NOT OVEREXTEND. Remain aware of the center of gravity!**

IMPORTANT WARRANTY DISCLAIMERS

ATTENTION: If your attachment has control valves, cylinders, gearboxes, or motors and they are opened or disassembled, the WARRANTY for that item WILL IMMEDIATELY BE VOIDED!

GEAR OIL STATEMENT: If applicable in your attachment, check gear oil before each use:

We recommend using 85-140 grade gear oil, for use with all our gear boxes, and bearing housings which is separate from the hydraulic fluid used to move your attachment or machine.

(Exception: gear oil used in mulchers is Shell Omala S2 GX 150!)

HYDRAULIC FLUID STATEMENT: Check your machine's hydraulic level and add hydraulic fluid if necessary before each use. Inspect for leaks, and repair if necessary. **Always use your machine's manufacturer recommended hydraulic fluid in your machine!** Fluid must be clean and debris free. If damage occurs from debris in hydraulic fluid flowing from your machine to our attachment it will VOID the warranty on any cylinders, motors, couplers, manifolds &/or valves (relief, lock, selector, check and flow control) down line from that flow.

WARNING: This product can expose you to chemicals including benzene and mineral oils, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

SECTION 2

SAFETY INFORMATION

The following terms may be used interchangeably throughout this manual.

Term	Alternate Terms Used
Auger	implement, attachment, drill, earth drill
Machine	skid steer loader, skid steer, tractor, loader, prime mover, host machine
Operator	user, personnel

The **Auger** is designed and manufactured with safety in mind. However, improper use and operator error can result in death or serious injury. It is important that you read and fully understand the safety instructions and operating procedures presented in this manual before operating this attachment. Accident prevention is a combination of good judgment, common sense, awareness and proper training!

⚠ BEFORE YOU OPERATE THIS AUGER:

KNOW how to safely operate your machine.

READ and UNDERSTAND the safety instructions and operating procedures contained in this manual.

ACKNOWLEDGE your understanding of all safety instructions presented in this manual by signing the “Safety Acknowledgment Form” at the end of this manual.

Although every effort has been made to ensure a safe product, every possible circumstance that could pose a potential hazard cannot be anticipated. The warnings presented in this manual and on this product, are therefore not all-inclusive.

In addition to the safety messages presented in this section, you must also read and understand the safety messages presented in the other sections of this manual.

This manual and the decals on this machine use safety symbols, hazard labels, pictograms and color coded signal words to alert you to potential hazards that may cause severe injury or death if a safety instruction is ignored.



SAFETY ALERT SYMBOL - This symbol is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

HAZARD CLASSIFICATIONS

Hazards are identified by the “Safety Alert Symbol” and followed by the signal word “DANGER”, “WARNING”, or “CAUTION”.

DANGER

Indicates an imminently hazardous situation which,

if not avoided, will result in death or serious injury.

This signal word is limited to the most extreme situations.

WARNING

Indicates a potentially hazardous situation which, if

not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which,

if not avoided, may result in minor or moderate injury.

NOTICE

Indicates a situation which may cause damage to equipment or property.

Messages are not related to personal injury.

Safety Instructions

Indicates specific safety-related instructions or procedures.

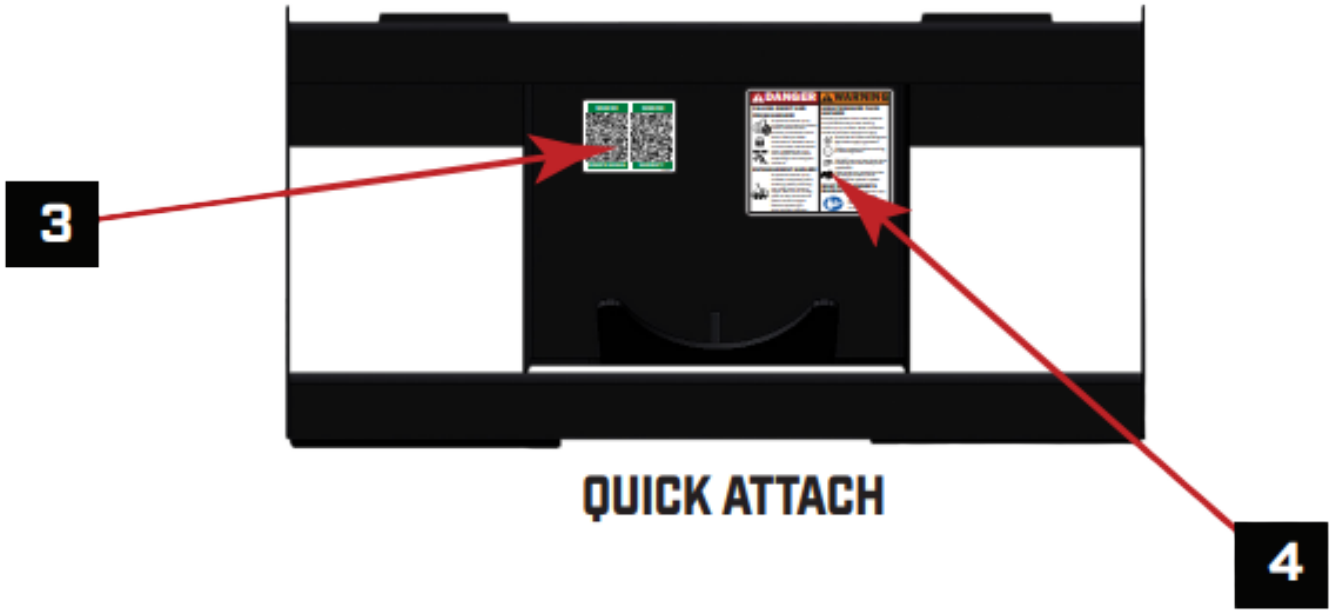
2.1 SAFETY SYMBOLS

Pictograms are graphic symbols meant to alert you of a potential hazard. Read and understand the hazard description for each of these symbols.

Pictogram	Description
	**PINCH HAZARD**: Keep clear of machine and attachment to prevent death or serious injury from pinching of moving parts.
	**OPERATING MANUAL**: Operators must read and understand the safety instructions in the operating manual to prevent death or serious injury.
	**EYE PROTECTION & CARDBOARD**: Operators and Maintenance personnel must wear proper eye protection and use cardboard or wood to investigate hydraulic leaks to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	**HIGH PRESSURE FLUID INJECTION HAZARD**: Operators and Maintenance personnel must not place fingers or hands directly over a hydraulic leak to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	**NO BYSTANDERS**: DO NOT operate this attachment near bystanders. Bystanders must stay back at least 100 feet from the attachment to prevent death or injury from flying objects.
	**CRUSH HAZARD**: DO NOT place any part of the body under the attachment or machine arms to prevent death or serious injury from being crushed .
	**ENTANGLEMENT HAZARD**: STAY BACK from machine while in use. Contact with rotating auger could kill or cause serious injuries.

Safety warning decals are located on this attachment near immediate areas of potential hazards. Operators must learn the meaning of each decal and know where to find the decal on the attachment.

CONTACT YOUR LOCAL DEALER TO ORDER REPLACEMENT DECALS



QUICK ATTACH



LEFT



2.2 SAFETY DECAL CHART

The safety decals affixed to this attachment are to keep you safe. DO NOT ignore these decals. Read and understand each decal's safety message. Follow these Safety Decal Instructions:

REF	DESCRIPTION	LABEL	QTY
1	LOGO	CID ATTACHMENTS	1
2	GPM LABEL	NOTICE HYDRAULIC MOTOR FLOW RATING: 15-25 GPM FAILURE TO OPERATE WITHIN FLOW RANGE MAY: • REDUCE PERFORMANCE • DAMAGE HYDRAULIC MOTOR • VOID WARRANTY 34	1
3	QR CODE (IF APPLICABLE)	Example	1
4	DANGER/WARNING COMBO LABEL	DANGER FALLING OBJECT AND CRUSH HAZARD! ENTANGLEMENT HAZARD! THROWN OBJECT HAZARD! WARNING PINCH POINT HAZARD! SKIN INJECTION HAZARD! MUST READ OWNER'S MANUAL!	1

**WHEN ORDERING, CHOOSE THE PROPER DECAL FOR YOUR MODEL*

Decals must be kept clean and legible at all times.

Operators must inspect the attachment for safety decals.

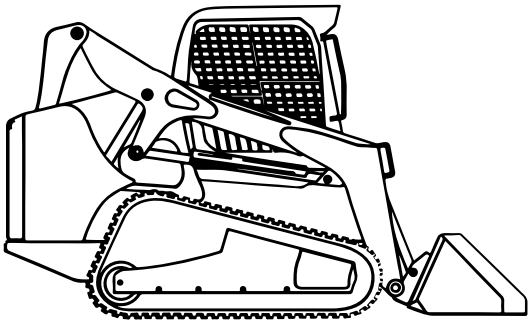
Replace missing, worn or damaged decals immediately.

When using a hot pressure washer to clean this attachment make sure water jet is not too close to the decal as this may cause the decal to peel.

When replacing parts, be sure safety decals are in place prior to using the attachment.

Make sure metal surface is dry and free of dirt and grease before affixing decals to this attachment.

2.3 SKID STEER LOADER REQUIREMENTS



Tracked

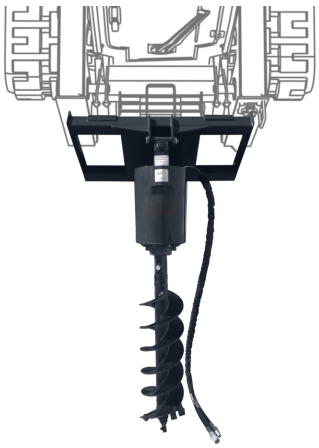
VS.



Wheeled

A Tracked Skid Steer or Compact Track Loader (CTL) will provide superior stability in this application.

Follow the operating instructions in your Skid Steer operator's manual.



CONSULT THE HOST MACHINE'S RATED OPERATING CAPACITY TO ENSURE YOU HAVE THE PROPER LIFT CAPACITY FOR OPTIMAL OPERATION OF THIS ATTACHMENT.

FLOW RANGE MUST SUPPORT THE APPROPRIATE RANGE.

2.4 PERSONAL PROTECTIVE EQUIPMENT (PPE)

All operators should wear hearing protection, safety glasses, hand protection and dust mask while operating this attachment.









2.5 GENERAL SAFETY INSTRUCTIONS

MAKE SURE YOU FOLLOW THE GENERAL SAFETY INSTRUCTIONS THAT RELATE TO THE OVERALL OPERATION AND MAINTENANCE OF THIS ATTACHMENT. IT IS IMPORTANT THAT YOU READ AND UNDERSTAND EACH OF THESE MESSAGES TO PREVENT SERIOUS INJURY OR DEATH.

- NEVER use drugs or alcoholic beverages while operating or servicing this attachment.
- ALWAYS operate this attachment during daylight or well-lit areas.
- We recommend using a high strength clear protective door panel when using with this attachment.
- To prevent the machine and attachment from rolling forward, stop the engine and set the parking brake when exiting the machine.
- Inspect attachment for loose or missing hardware prior to use.
- ALWAYS watch for overhead power lines.
- DO NOT place any part of your body under this attachment.
- NEVER operate this attachment when bystanders are within 100 feet of your work area.
- NEVER position your body or limbs under an unsupported attachment.
- DO NOT allow this attachment to contact buildings, utilities, large rocks or tree stumps or you may lose control of the machine.
- DO NOT allow children to play on or around this attachment at any time. Store this attachment in an area not frequented by children.
- ALWAYS wear the proper personal protection equipment while operating or servicing this attachment. NEVER operate or service this attachment with bare feet, sandals, or other light footwear.
- ALWAYS wear work gloves when handling this attachment to protect your hands.
- ALWAYS use eye protection while operating or servicing this attachment.
- DO NOT operate this attachment during lightning or severe weather conditions.
- DO NOT allow riders on the machine or on this attachment.
- ALWAYS call 811, the “Digger’s Hotline” before digging to identify underground utilities to avoid an accident that could result in Death or Serious Injury to the operator.
- DO NOT speed! Speed Kills! Keep your driving speed between 2 and 5 mph.
- NEVER leave equipment unattended with the engine running, or with this attachment in a raised position.

IMPORTANT FEDERAL LAWS AND REGULATIONS CONCERNING EMPLOYERS, EMPLOYEES, AND OPERATORS

This section is intended to explain in broad terms the concept and effect of the following federal laws and regulations. It is not intended as a legal interpretation of the laws and should not be considered as such.

U.S. PUBLIC LAW 91-596 (The Williams-Steiger Occupational Safety and Health Act of 1970) OSHA

This Act Seeks:

" ... to assure so far as possible every working man and woman in the nation safe and healthful working conditions and to preserve our human resources... "

Sec. S(a) Each Employer – **DUTIES**

(1) shall furnish to each of its employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to its employees.

(2) shall comply with occupational safety and health standards promulgated under this Act.

(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his or her own actions and conduct.

OSHA Regulations

Current OSHA regulations state in part: "At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in the safe operation and servicing of all equipment with which the employee is, or will be involved." These will include (but are not limited to) instructions to:

Keep all guards in place when the machine is in operation;

Permit no riders on equipment;

Stop engine, disconnect the power source, and wait for all machine movement to stop before servicing, adjusting, cleaning, or unclogging the equipment, except where the machine must be running to be properly serviced or maintained, in which case the employer shall instruct employees as to all steps and procedures which are necessary to safely service or maintain equipment.

Make sure no one is within 300 feet of machinery before starting the engine, engaging power, or operating the machine.

EMPLOYEE MACHINE OPERATING INSTRUCTIONS:

1. Securely fasten your seat belt if the machine has the capability.
2. Where possible, avoid operating the machine near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going, especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the machine smoothly - no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by machine manufacturers.
9. When machine is stopped, set brakes securely and use park lock if available.

Child Labor Under 16 Years Old

Some regulations specify that no one under the age of 16 may operate power machinery. It is your responsibility to know what these regulations are in your own area or situation. (Refer to U.S. Dept. of Labor, Employment Standard Administration, Wage & Home Division, Child Labor Bulletin # 102).

SECTION 3

OPERATING PROCEDURES

Your attachment may arrive from the factory strapped to a wood pallet and requires no final assembly. Use a steel band cutting tool to remove the steel straps.

⚠ CAUTION

Shipping straps are under great tension, and could lash out uncontrollably when cut causing injuries to your body or bystanders. Keep bystanders away and wear safety glasses and gloves while removing the steel straps.

3.1 HOW TO CONNECT ATTACHMENT

GENERAL ATTACHMENT METHOD

Refer to your machine operator's manual for specific instructions on how to connect and disconnect your attachment.

This attachment method refers specifically to skid steers. For all other attachment instructions, refer to the Original Equipment Manufacturer (OEM) for instructions.

1. Ensure the hydraulic lines are clear from the front side of the attachment bracket and that the levers on the skid steer Quick Attach Coupler are in the unlocked position.
2. Tilt the skid steer loader Quick Attach Coupler slightly down and drive forward to the rear of the auger attachment until the top edge of the Quick Attach Coupler hooks under the lip of the attachment bracket. See figure 3.1a below.
3. Slightly tilt the skid steer Quick Attach Coupler upward until the auger attachment bracket is flat against the skid steer Quick Attach Coupler. See figure 3.1a below.

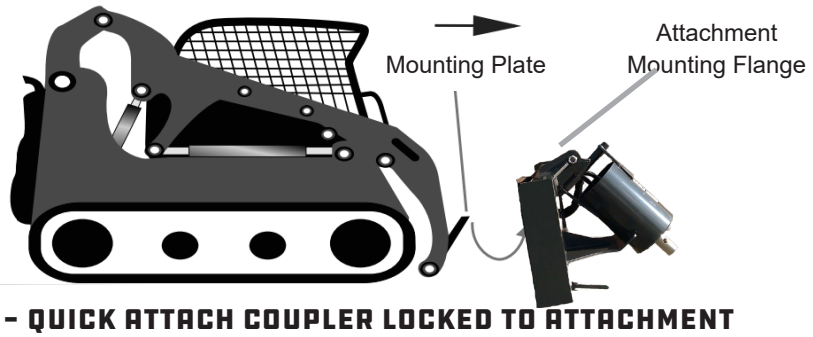


FIGURE 3.1A – QUICK ATTACH COUPLER LOCKED TO ATTACHMENT

4. Activate your skid steer's lever lock switch to lock the pins into the attachment bracket. If your skid steer does not have this switch, manually lock the pins as shown in Figure 3.1b below.

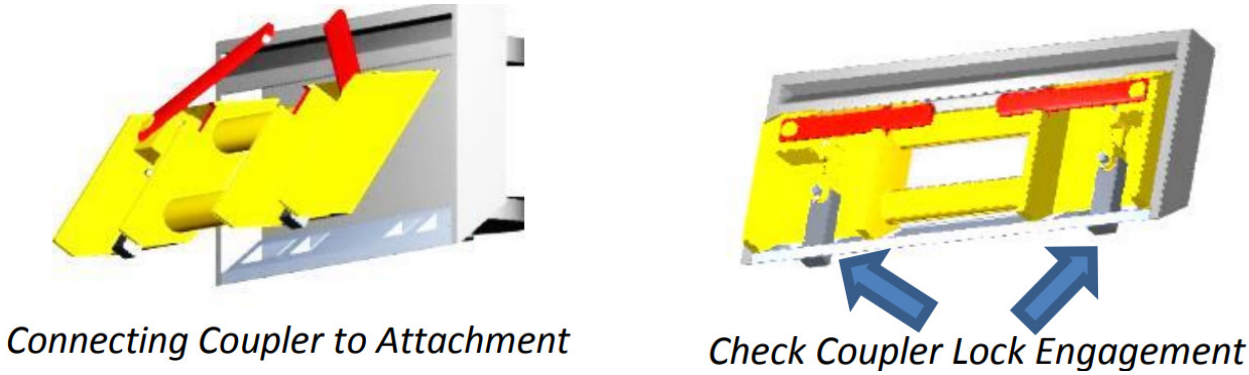


FIGURE 3.1B QUICK ATTACH COUPLER LOCKED TO ATTACHMENT BRACKET

⚠WARNING

To avoid serious injury or death, ensure locking pins fully extend through the slots on the attachment bracket and that levers are down in the locked position to prevent attachment from detaching from skid steer.

NOTICE

To keep contaminants from entering the hydraulic system, use a clean cloth to wipe away dirt and grease from the hydraulic couplers.

5. Shut the machine's engine off and release the pressure in the auxiliary circuit.
6. Connect the attachment hydraulic hoses to the auxiliary supply couplers located on your skid steer loader lift arm.

NOTICE

Check that hydraulic hoses are locked into the machine's couplers with the preferred output auxiliary port corresponding to the correct input line on the attachment before use.

Check the hose routing through the full range of intended motion before operating attachment. It is the responsibility of the owner/operator to make sure the hoses are routed correctly and are not pinched.

NOTICE

If during your initial startup, you realize the controls operate in the opposite direction that you prefer, you can change positions of the quick disconnect couplers on the attachment hoses to remedy your problem.

3.2 CONTROLS

ATTACHMENT CONTROLS

Your auger attachment is designed to run off the host machine's auxiliary hydraulic system, and is activated and deactivated by a control in the operator's cab. The height and tilt functions of your attachment are operated with the control handles or pedals in the cab. Consult your machine operator's manual for instructions regarding these functions.

HYDRAULIC FLOW REQUIREMENTS

When operating this attachment, set the machine engine RPM to a speed that will produce the required auxiliary flow. Your machine dealer can measure the flow available on your machine and recommend a throttle or auxiliary flow setting that is compatible with this attachment.

NOTICE

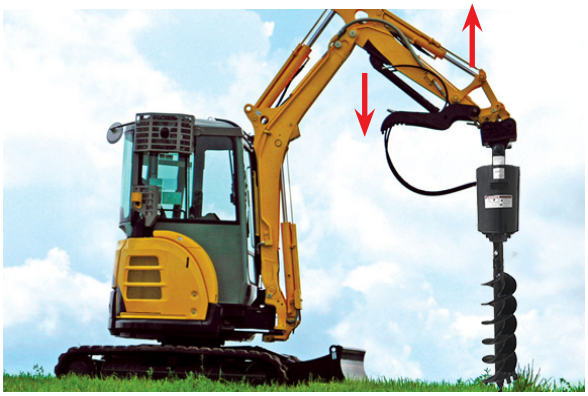
DO NOT EXCEED the designated flow rate (GPM) as damage to hydraulic components can occur.

RAISING AND LOWERING THE AUGER

Raise and lower the auger attachment by raising and lowering the machine arms through their appropriate machine controls. *See Example.*

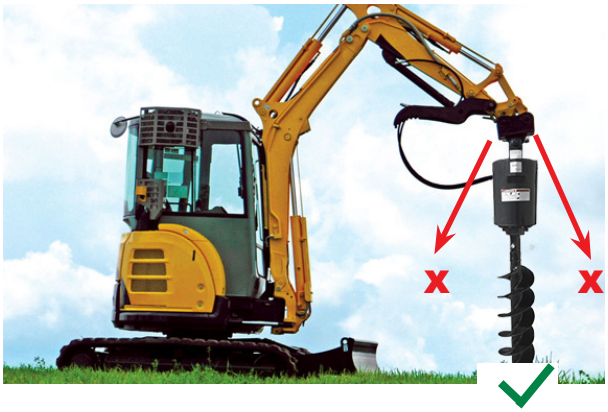
⚠ DANGER

Remain aware of any overhead power or telephone lines, tree limbs, etc. in which the raised auger could come in contact. Contact with electrical lines could cause serious injury or death.



TILTING THE AUGER

Keep the auger unit perpendicular to the ground except on hillsides. The auger will self-align with gravity. Use the appropriate machine controls to keep auger perpendicular while drilling. An assistant may be necessary to monitor the angle while drilling and recommend angle corrections. *See Example.*



3.3 LEARNING YOUR ATTACHMENT

WARNING Never use this attachment as a battering ram, or attach ropes, chains, etc., to the unit as it was made for digging.

1. Before using this attachment, make sure you are knowledgeable and comfortable with the operation of the auxiliary hydraulic control as outlined in previous sections of this manual and in the machine's operator's manual.

2. While using, set the machine throttle at a speed that will produce the required flow. If the machine is equipped with a foot throttle, use it to control engine speed and power being delivered to the attachment. Refer to your machine manual or call your local machine dealer for additional help if necessary.

3. When preparing to drill a hole, tilt the attachment plate forward to allow the auger drive and bit to hang unsupported from the travel bunk on the attachment mount.

4. Learn what the attachment looks like in a plumb (vertical) position when seated in the machine. This will help when operating the attachment.

5. This attachment was made to be used with the host machine in a stationary position. When the auger is not resting on the transport plate, move the machine very slowly to avoid unnecessary swinging of the auger drive and auger bit.

6. If the machine engine is bogging down because of soil density, it will be necessary to decrease down pressure or clear the hole by pulling the bit out and clearing off material before continuing to drill.

3.4 BEFORE USING YOUR ATTACHMENT

⚠WARNING

EXPOSURE to crystalline silica dust along with other hazardous dusts may cause serious or fatal respiratory disease. It is recommended to use dust suppression, dust collection and if necessary personal protective equipment during the operation of any attachment that may cause a high level of dust.

1. Inspect the area to be worked and make sure it is free of any buried utilities, rocks, fence posts, or any other hazards or objects that you do not want to move.
2. Observe overhead electrical and other utility lines. Be sure equipment will clear them.
3. Determine a safe and efficient pattern before the start of the job.



3.5 OPERATING TIPS

⚠WARNING Never operate this attachment when bystanders are within 100 feet of your work area to avoid an accident that could result in serious injury or death if struck by the machine boom or auger during operation.

1. Block off area from bystanders, livestock, etc. Be alert for bystanders, and stop operation if bystanders or livestock enter the work area.
2. Never lower a boom with a rapidly moving auger on the ground. The force of the auger rotating may cause the host machine to move suddenly and unexpectedly.
3. Use caution when operating on slopes. The natural vibration may cause the unit to creep sideways downhill. Dig with the auger when the host machine is in a level position.
4. 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.
5. Before exiting the host machine, lower the unit to the ground, apply the brakes, turn off the host machine's engine, and remove the key.
6. Do not use the auger flighting as a step when climbing in and out of the machine.

DANGER

ALWAYS contact 811, the “Digger’s Hotline” to identify underground utilities to avoid an accident that could result in Death or Serious Injury!



ALWAYS be aware of your surroundings and pay attention to obstacles and terrain around you.

YOU MUST NOTIFY UTILITY COMPANIES OF YOUR INTENT TO DIG OR TRENCH BY CALLING 811 OR MAKING AN ONLINE REQUEST WITH YOUR STATE’S 811 CENTER A FEW DAYS PRIOR TO DIGGING OR TRENCHING. VISIT: HTTPS://CALL811.COM/811-IN-YOUR-STATE TO CONNECT TO YOUR STATE’S 811 CENTER.

811

Know what’s below.
Call before you dig.

3.7 FIRST TIME USE & ATTACHING THE BIT

Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.

NOTICE

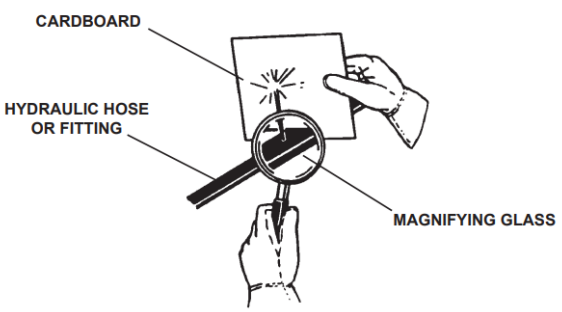
Before operating your attachment, check the hydraulic fluid level in the machine and add manufacturer recommended fluid if necessary.

Verify that hydraulic hoses are securely locked to the machine's hydraulic couplers before starting the attachment.

1. Start the host machine and raise the attachment an appropriate height to attach the bit.
2. Using a helper or lifting device, hold the bit vertically so the operator can slowly lower the auger drive shaft into the bit collar, keeping hands away from connection point. DO NOT slam drive down into bit as this can damage the shaft seal.
3. Rotate bit as needed to align bolt holes, then insert bolt and secure with nut.
4. Set machine engine RPM to just above idle and slowly engage the auxiliary hydraulic switch to the ON position.
5. Rotate the auger for 5-10 seconds, pause, then activate the auxiliary hydraulic flow in the opposite direction reversing the auger bit and let it run for another 5-10 seconds.
6. Repeat Step 2, and put auger bit under load by drilling test hole.
7. Lower the attachment to the ground making sure to fully lower the attachment coupler to the ground. USE CAUTION when lowering, that you do not jam the auger bit into the ground as it may damage the attachment or bit.
8. Set the parking brake, then shut off machine engine and exit the cab.
9. Check the hydraulic fluid level in the machine, add manufacturer recommended fluid if necessary.
10. Inspect the auger drive's hydraulic hoses and connectors for any noticeable leaks. Repair any leaks before continuing.

⚠ WARNING

To avoid serious injury by hydraulic fluid injection into your skin, never use your hand or other body parts to locate a hydraulic leak. Detect leaks with a piece of wood or cardboard. Flesh injected with Hydraulic fluid may develop gangrene or other permanent disabilities.



DANGER

LOWER OR SUPPORT RAISED EQUIPMENT: DO NOT work under raised booms without supporting them. Do not use support material made of concrete blocks, logs, buckets, barrels, or any other material that could suddenly collapse or shift positions. Lower booms to ground level before leaving the operator's cab or working on the attachment.

WARNING

ALWAYS release the hydraulic pressure prior to disconnecting any part of the hydraulic circuit.

The auger was designed to dig holes to the depth and width of your auger.

Any other use may VOID THE WARRANTY.

DANGER

When the machine is in motion with the auger attached, make sure to carry and cradle the auger in the transport rest, otherwise it can swing back towards the cab or forward towards bystanders and cause injury or death.



PREPARING THE SITE

1. Plan out the job and inspect the job site for any potential hazards in the area.
2. Ensure that you are comfortable and knowledgeable in operating the machine and attachment. Review the manual and sign the Safety Acknowledgment Form before use.
3. **CAUTION: Check the work area for hidden utility lines BEFORE operating the auger.**
4. Block and mark off the area to be dug with powdered lime, chalk, or string and stakes.

STARTING THE AUGER

5. Attach and secure the auger to the machine as outlined in section 3.1.
6. Understand the auger requirements for the job and make sure the auger is installed appropriately for the job.
7. Raise the machine's arms and tilt the coupler forward to release the auger drive from the transport rest. Allow the bit to self-center.
8. Position the auger directly over the center of the hole you intend to dig, and lower so that pilot bit goes into the ground.
9. Increase the machine's engine speed to normal operating speed.
10. Activate the auger drive and put down pressure on the bit to continue drilling while keeping bit plumb using machine controls.
11. If the bit stalls or machine bogs down under load, reduce the down pressure and/or reverse auger direction momentarily before continuing to drill.
12. Once the auger has drilled to the desired depth, stop the auger and slowly raise the auger bit out of the hole. Clear the material from the bit using one of the following two methods:

a. Move the machine away from the hole and rotate auger bit to shake off material.
b. Keeping bit over hole, rotate the auger bit quickly in reverse to dislodge the material, depositing it around the perimeter of the hole.

3.8 OPERATING INSTRUCTIONS CONT.

STARTING THE AUGER CONT.

13. When returning to the hole, align the auger bit directly over the center and lower it into the hole before starting the auger rotation.

CAUTION **If any utility lines are damaged, shut off the equipment at once and contact the affected utility immediately.**

ADDING OR REMOVING AN EXTENSION

When it is necessary, an extension can be added between the auger bit and auger drive to make a hole with a depth deeper than the length the auger bit allows.

14. Provided the lift height of your machine is sufficient, connect the extension to the auger drive output shaft first, and then connect to the auger bit.

15. If the lift height of your machine is insufficient to attach the extension before starting the drilling, drill the hole to a depth near the ground surface first.

16. Disconnect the securing hardware from the auger and lift the drive out of the auger bit. *See below.*

17. Attach the auger extension shaft to the auger drive. Using the machine, lower the drive and insert it into the auger bit, which should be standing upright in the hole. (A spotter may be necessary to make these connections.)

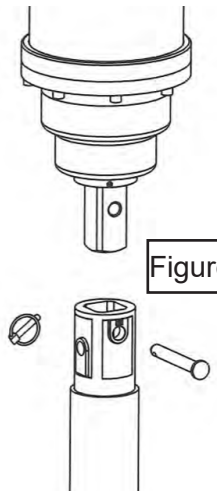


Figure 3.9A

WARNING

ONLY operate the auger when seated at the machine controls.

18. Secure the extension to the auger bit with the correct hardware.

19. Once the hole has reached the desired depth, remove the bit from the hole using the following instructions.

20. If lift height allows, take the auger out and away from the hole before spinning and/or shaking the auger to remove the dirt from the flighting.

21. If lift height is not sufficient, place the auger bit at the mouth of the hole with some flighting above the hole. *See Figure 3.9B*

22. Use a hardwood board inserted into the flighting to prevent the auger from falling back into the hole.

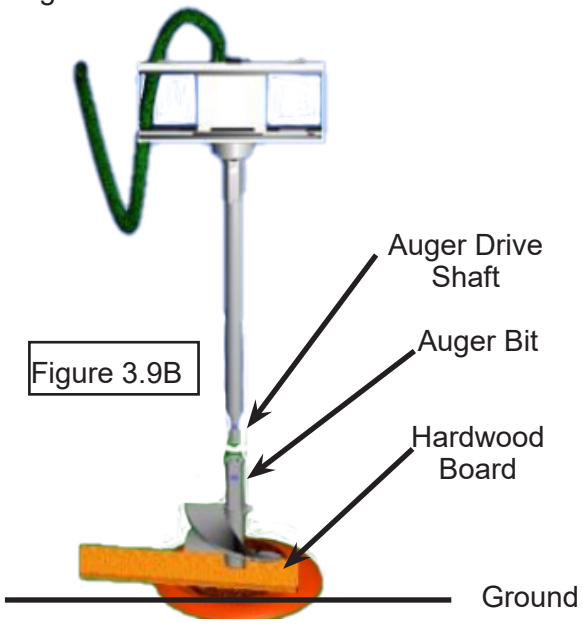


Figure 3.9B

⚠WARNING

Remain alert to what is happening around you! Look behind you before reversing the machine and be aware of people or things in the path of the machine. Also remain alert to drop-offs or soft ground which could upset the machine causing serious injuries or death.

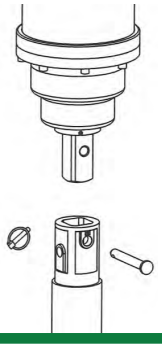
ADDING AN EXTENSION CONT.

23. After the board is securely in place, start the host machine and lower the auger drive so the auger bit weight is resting on the hardwood board.

24. Remove the hardware securing the extension to the auger bit and remove extension.

25. Lift the extension out of the auger bit, then remove the extension from the auger drive.

26. After the extension has been removed, reconnect the auger drive to the auger and lift the auger bit out of the ground.



DRILLING TIPS

⚠WARNING

Never operate this attachment when bystanders are within 100 feet of your work area to avoid an accident that could result in serious injury or death if struck by the machine boom or auger during operation.



27. In normal soils, lift and clear the auger flighting every 48" of dig depth. In different soil conditions, the flighting may need to be cleared more frequently.

28. The rotation of the auger bit can be stopped at any time by returning the auger circuit control lever, switch or pedal to the neutral position.

29. If the auger bit has become "screwed" into the ground or becomes trapped between rocks or similar obstacles, and cannot be lifted out, reverse the auger drive rotation and slowly raise the loader arm until the machine is freed. In such cases, it may be necessary to use a different bit or drill in another location.

30. Keep in mind that machine lift geometry can vary. Depending on the geometry, you may need to adjust the loader slightly forward or backward to maintain the auger at a 90-degree angle. Avoid applying any side load, as it could damage the auger bit or drive unit.

31. It may be necessary to stop drilling and assess whether the auger is still plumb to the hole. Move forward, backwards, left or right to correct the angle, but do it slowly so as to not damage the auger drive or auger bit.

32. Lubricate the auger flighting with a light coat of oil to prevent rusting between jobs, as rust on the auger bit will take more power to turn on your next job.

33. Excessive downward pressure on the auger bit can cause the bit to stall during operation. Exert only enough downward pressure to maintain a steady decent into the soil.

34. Keep the auger bit points and teeth in good condition which will provide you with a more satisfactory evacuation. Check them often, especially when working in rocky soils.

35. Once the desired depth is achieved, allow the auger to rotate at that depth to clean the hole before raising the bit from the ground.

3.8 OPERATING INSTRUCTIONS CONT.

36. Monitor the machine hydraulic fluid pressure and temperature gauges.

37. If the hydraulic fluid pressure or temperature becomes too high, reduce the auger RPM's or flow rate to lessen the load on the auxiliary hydraulic system.

38. NOTICE: The auger may stall if too much down pressure is applied.

NOTICE

STOP THE AUGER if the hydraulic fluid temperature becomes too hot and allow the hydraulic fluid to cool.

39. NOTICE: Repeat stalling in a short period of time, can cause the hydraulic fluid temperature to rise excessively which can lead to pump failure. DO NOT attempt to dig too much too quickly.

40. If the auger stalls while digging, lift the auger slightly to release it. Alternatively, you may be able to free the auger by reversing direction using the auxiliary hydraulic controls.



RECOMMENDED DIGGING ANGLES

NOTICE It is recommended to only use the auger when it is plumb (90˚ angle on flat ground).

⚠WARNING To avoid a roll over accident which may result in serious injury or death, DO NOT operate the machine and attachment on uneven terrain or sloped surface with the attachment raised more than 6" off the ground.

MOVEMENT WHEN DRILLING A SEQUENCE OF HOLES

Once an auger hole is complete and out of the hole, keep the auger as low to the ground as safely and practically possible. The lower the auger, the more stable the host machine will be.

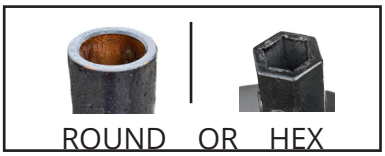
SHUT OFF THE AUGER BEFORE MOVING AWAY FROM THE HOLE.

NEVER TRANSPORT THE AUGER WHILE IT IS STILL ROTATING.

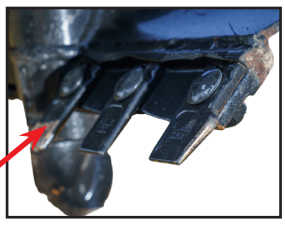
3.9 SELECTING THE CORRECT AUGER BIT



ROCK AUGER BIT







DIRT AUGER BIT

3.9 SELECTING THE CORRECT AUGER BIT CONT.



AUGER BIT
WITH CARBIDE PILOT
FISHTAIL

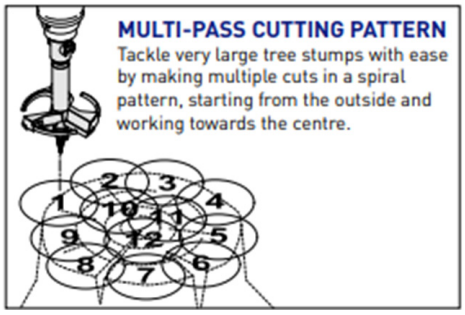


ROCK AUGER BIT



DIRT AUGER BIT

3.10 OPTIONAL STUMP PLANER BIT





STUMP PLANER
BIT

Please Note: This attachment is NOT recommended for hard wood or green (fresh) wood stumps.

10” Tree Bit Torque Range: 2,200-6,000 Ft. Lbs.

Torque output depends on both the rating of your auger drive and the hydraulic flow of your loader. For specific torque output details, refer to the auger drive’s specifications or contact the manufacturer.

Attaches to 2” Hex Drive

Capable of boring up to 18”

Compatible with auger extensions for deeper drilling.

3.11 HOW TO DISCONNECT ATTACHMENT

DISCONNECTING ATTACHMENT

1. Turn off auxiliary hydraulic circuit; relieve hydraulic pressure by moving the control levers back and forth or using hydraulic relief valve (if applicable).
2. Park machine on a flat and level surface then lower the attachment to the ground.
3. Set parking brake and disengage lock pins using the lock lever switch (if installed skip #6).
4. Turn off machine engine.
5. Disconnect hydraulic hoses and connect together or install dust caps to prevent contaminants from entering the hydraulic system. Store hydraulic hoses off the ground.
6. Pull latch handles to disengage lock pins.
7. Re-enter cab and start machine engine.
8. Tilt mounting coupler forward until Quick Attach Coupler is free from mounting bracket.
9. Drive machine backward to clear attachment.



SECTION 4

MAINTENANCE PROCEDURES

The maintenance procedures described in this manual should only be carried out by qualified mechanics who have been trained to repair this attachment.

Some procedures require special tools and skills to complete. DO NOT attempt to repair or perform service work on this attachment unless you have the skills and tools to do so. Contact your local dealer for maintenance and repair services.

WELDING REPAIRS

Welding on attachments must be performed by certified welders who have requested and obtained written approval from an authorized representative of the manufacturer before welding begins.

All authorized welding repairs must be performed by qualified welders in accordance to the American Welding Society (AWS) standards. Welding procedures performed by unqualified welders may deem this attachment unsafe to operate and **VOID THE WARRANTY**!.

WARNING **Only use genuine Original Equipment Manufacturer (OEM) replacement parts on this attachment. We will not be liable for any damages or injuries caused by the use of after market use parts on this attachment.**

NOTICE

Improper maintenance or modifications to the design or performance of this attachment will void the warranty. ONLY use genuine replacement parts on this attachment.

Obey the following safety instructions when servicing or repairing this attachment.

Wear proper Personal Protective Equipment (PPE) while working on this attachment, which may include safety glasses, hard hats, steel toe boots, gloves, etc.

If servicing is performed while the attachment is attached to the machine, turn engine off, set parking brake and chock wheels to prevent machine from moving.

Ensure all jack stands, lifts and hoists are in good working condition and have the rated load capacity to support the load.

Wear a welding helmet when welding to protect your eyes, face and neck from flash burn, ultra-violet radiation and heat.

Do not wear loose clothing or accessories that can catch in moving parts.

4.0 MAINTENANCE OVERVIEW CONT.

⚠ **Only perform service work in a well-lit area.**

⚠ **Allow the attachment to cool down before servicing this machine.**

⚠ **Long hair should be covered and secured so it does not become entangled.**

⚠ **NEVER work under an unsupported backhoe attachment.**

4.1 MAINTENANCE SCHEDULE

This **Auger** attachment will provide years of dependable service if routine maintenance procedures are performed. The maintenance tasks listed below are based on normal operating conditions. More frequent maintenance may be necessary with intense use or when operating in adverse environmental conditions.

MAINTENANCE TASK	BEFORE EACH USE	WEEKLY	YEARLY
Check host machine's hydraulic fluid level. Add fluid as necessary. *Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.*	X		
Check that all fasteners (nuts, bolts, washers, pins, keepers) are in place. Tighten as necessary.	X		
Check teeth or pilot for damage and replace as needed.	X		
Inspect and replace any worn, torn, or missing safety decals.	X		
Inspect hydraulic hoses and connectors for damage or leakage. Repair or replace hydraulic items as needed.	X		
Lubricate all pivot joints using #2 Lithium grease.	X		
Check for gearbox oil leaks. Repair and add oil as necessary.	X		
Wash Auger Attachment.		X	
Change oil in gear box. *Change oil after 50 hours of first time use, then every 1,000 hrs or yearly.			X
Check attachment for major scratches & dings. Sand and repaint these areas to prevent rust damage. ***Use formulated for farm equipment which can be found at your local hardware store.**			X

⚠ DANGER

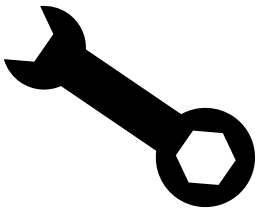
ONLY service the attachment on stable, even terrain. NEVER park on sloped terrain to avoid being struck and killed or seriously injured by the unexpected rolling or movement of the machine.

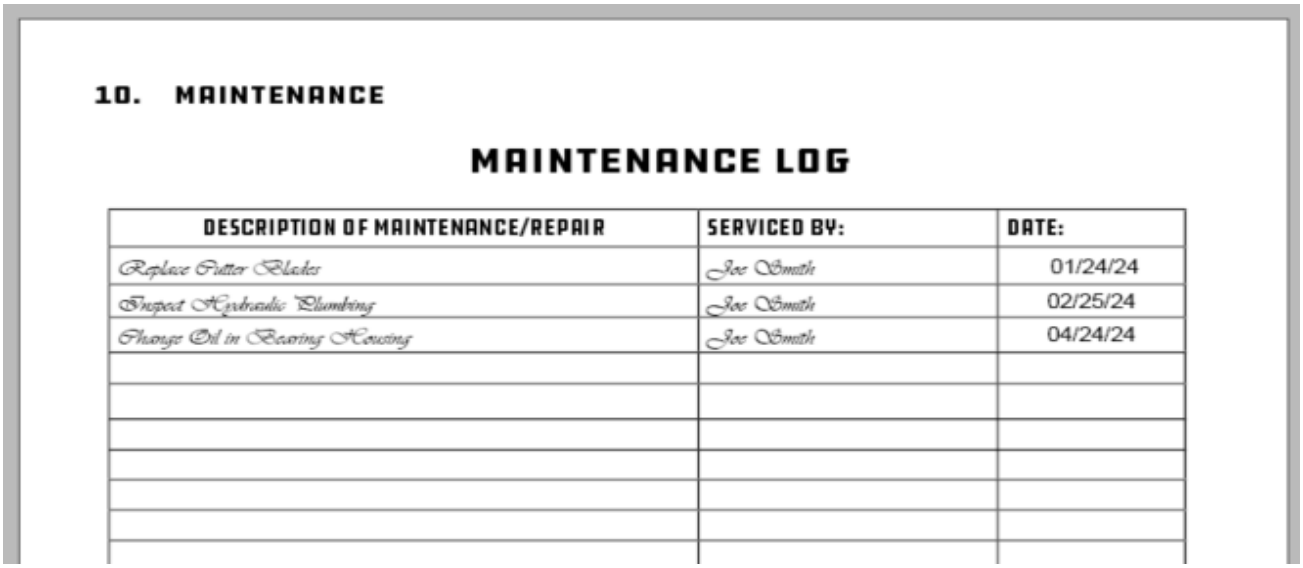
4.2 MAINTENANCE LOG INSTRUCTIONS

Document all maintenance and service activities performed on this attachment using the maintenance log sheets included at the end of this manual.



MAINTENANCE LOG





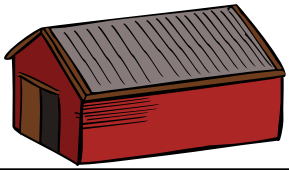
10. MAINTENANCE

MAINTENANCE LOG

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:
Replace Cutter Blades	Joe Smith	01/24/24
Inspect Hydraulic Plumbing	Joe Smith	02/25/24
Change Oil in Bearing Housing	Joe Smith	04/24/24

4.3 STORAGE TIPS

To get years of quality use out of your attachment, follow these tips when storing your attachment for the season:

	Ensure attachment is free of water, debris, dirt and grease.
	Store your attachment in a dry shed or garage.
	When storing your attachment for the season, cover with a weather proof tarp to protect it from the elements.

4.4 TORQUE SPECIFICATION TABLE AND INSTRUCTIONS

BOLT TORQUE INSTRUCTIONS

1. Apply and maintain proper torque on all bolts.
2. Use lubricated torque values when applying Loctite. **Do not grease or oil bolts.**
3. Wipe bolts clean and use Loctite 635 or equivalent before tightening bolts. May need curing activator.
4. Use a torque wrench to assure the proper amount of torque is being applied to the bolt.
5. **MUST CURE 72 HOURS BEFORE USE TO PREVENT LOOSENING OF BOLTS.**

TORQUE VALUES

SAE GRADE 8

	DRY lb.-ft.	LUBRICATED lb.-ft.
1/4”	12	9
5/16”	24	18
3/8”	45	35
1/2”	110	80
3/4”	380	280
7/8”	600	450
1”	910	680
1 1/4”	1820	1360
1 1/2”	3162	2688

4.5 TORQUE EQUIPMENT REQUIREMENTS

TOOLS & EQUIPMENT REQUIREMENTS

To complete the maintenance procedures described in this section, you may need the following tools:

- 1/2 inch drive breaker bar
- 3/4 inch impact socket
- 1/2 inch impact socket
- Tapping Hammer
- 1/2 inch drive torque wrench
- Nylon pry bar set
- Safety stands
- **Loctite 635 or Equivalent-MUST CURE 72 HRS**
- Lifting device (overhead crane hoist, forklift)



NOTE:
When removing bolts with Loctite, it will be necessary to apply localized heat of at least 250 degrees Celsius or to 482 degrees Fahrenheit to loosen bolts.

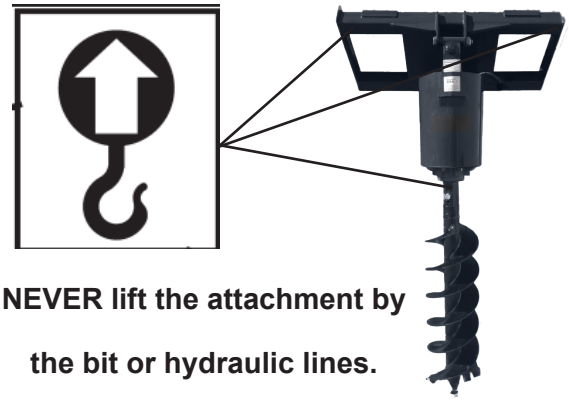
LOCTITE 635 TECHNICAL SPECIFICATIONS FOR BONDING, CURING, REMOVAL AND INSTALLATION CAN BE FOUND HERE:
https://next.henkel-adhesives.com/

4.6 LIFTING POINTS

DANGER **LOWER OR SUPPORT RAISED EQUIPMENT:** DO NOT work under raised booms without supporting them. Do not use support material made of concrete blocks, logs, buckets, barrels, or any other material that could suddenly collapse or shift positions. Lower booms to ground level before leaving the operator's cab or working on the attachment.

NOTICE Use care when lifting the attachment as lifting improperly is unsafe and may cause damage to your attachment.

When using the host machine to load, approach the trailer or area for the attachment to be loaded with the attachment plumb. Move forward slowly until the bit comes slightly in contact with the trailer. Place the host machine in reverse and slowly back up until the attachment is lying flat.



NEVER lift the attachment by the bit or hydraulic lines.

WARNING

Only use lifting accessories (chains, slings, ropes, shackles and etc.) that are rated and capable of supporting the size and weight of the attachment. Secure all lifting accessories to prevent unintended disengagement. Failure to do so could result in the attachment falling and causing serious injuries or death.

1. Attach lifting accessories (slings, ropes, shackles and etc.) at recommended lift points.
2. Bring lifting accessories together to a central lifting point.
3. Lift gradually, maintaining balance of the unit.

4.7 TIE DOWN POINTS

WARNING **DO NOT attach tie down accessories over hydraulic hoses.**

Tie down points should be identified before attempting to tie down. Securing the attachment to a trailer at other points is unsafe and can damage attachment. Do not tie down auger in any way that may damage hoses or hydraulic components. The auger bit should be secured as well.

WARNING

VERIFY that all tie down accessories are secure and capable of transporting the attachment in such a way as to prevent disengagement or shifting. Failure to do so could result in injury or death!



4.8 TEETH AND PILOT FISHTAIL REPLACEMENTS

1. In the event that a tooth or pilot fishtail becomes bent, broken, or worn, they can be replaced.

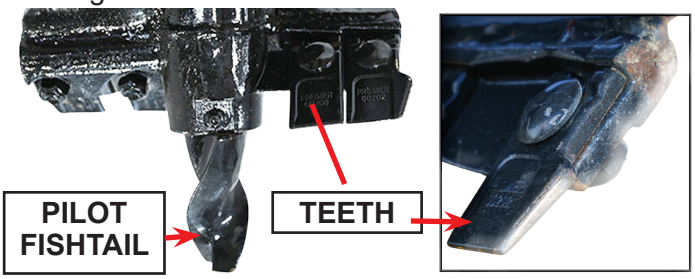
2. Using the machine, place the attachment in a horizontal position and lower to the ground, making sure the machine and attachment are on a solid flat surface. Set the parking brake and shut off the engine.

3. Clean teeth and pilot fishtail thoroughly.

4. Loosen & remove the nuts & bolts on the damaged tooth or pilot fishtail.

5. Place the new tooth or pilot fishtail and insert the bolt.

6. Torque to the proper specifications listed on Page 27.



4.9 BEARING HOUSING AND GEARBOX MAINTENANCE

Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.

1. Turn off machine, unfasten hoses from host machine and remove auger bit.



2. Remove bolt that secures pin holding the steel knuckle and auger drive housing together.

3. Remove pin and pull auger motor, gearbox, and steel housing away from machine.

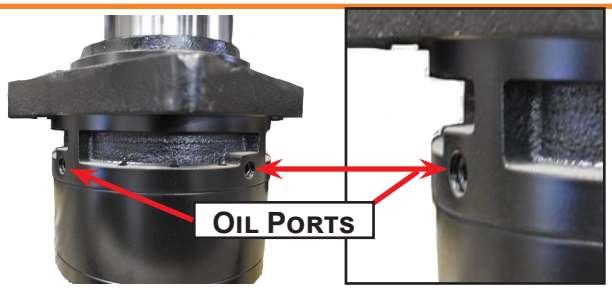
4. Using a long 18"+ extension and socket set, remove bolts holding auger motor and gearbox to welded can.

5. Separate motor and gearbox from welded can.

6. Lift motor and gearbox assembly and set on boards placing pan below to catch drained gearbox oil.

7. Using an Allen wrench, unscrew oil caps (as shown in picture). You should only need to unscrew one.

8. Drain dirty oil, measuring exact amount removed. Total oil quantity should be no more than 9 ounces or will result in seals blown out.



9. Replace with new oil, making sure the amount added is equivalent to what was drained.

10. If Gearbox has been leaking oil and you are unsure of the proper amount of gear oil to add, you can remove all remaining oil from the 4 ports by spinning and turning to remove all the oil out of the gearbox assembly. Turn and drain it multiple times and in multiple positions until no remaining oil can be removed. When empty, add 9 ounces of gear oil.

11. Once oil added, and allen screws re secured, re-attach motor and gearbox to auger housing.

12. Re-attach knuckle assembly, and re-attach to machine using proper torque specs.

13. Before heavy use, test with a bit on it to make sure it runs properly and there are no leaks.

SECTION 5

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Inadequate Digging Power.	1. Excessive Down Pressure	1. Reduce down pressure while drilling.
	2. Low hydraulic fluid pressure.	2. Check for hydralic leaks & check machine auxiliary hydraulic system.
	3. Worn or missing teeth or pilot fishtail.	3. Replace worn or missing teeth or pilot fishtail.
	4. Obstruction in ground or wrong bit type for soil condition.	4. Investigate and clear obstruction if possible. Change bit type.
Auger does not rotate, rotates slowly, or stalls easily when contacting the ground.	1.Hydraulic system not activated, not working properly, or auxiliary hydraulic flow setting incorrect.	1. Make sure auxiliary hydraulics are activated with proper flow setting and machine is at full RPM.
	2. Obstructed, damaged, loose or leaking hydraulic hoses.	2. Repair or replace damaged, loose or leaking hydraulic hoses.
	3. Worn or damaged auger motor or gearbox.	3. Repair or replace motor or gearbox.
	4. Incorrect bit type for soil conditions or soil is packing in flighting.	4. Verify the soil type and the correct bit for drilling. Clear the loose dirt from the auger flighting more frequently.
	5. Hydraulic system over heating.	5. Check for low hydraulic fluid and inspect machine's auxiliary hydraulic system.
	6. Auxiliary hydraulic hoses not connected or quick disconnects not fully or properly engaged.	6. Turn on auxiliary hydraulics.

5.0 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Auger bits breaking or bending	1. Bit is not plumb in the hole while removing or drilling. 2. Incorrect bit type for soil conditions. 3. Contact with solid objects or the ground while moving.	1. Always keep bit plumb when removing and drilling. 2. Verify the soil type and use correct bit for digging. 3. Avoid any contact with solid objects or ground while moving.
Gearbox or bearing housing leaking gear oil.	1. Wire or other debris wrapped around bottom of gearbox or bearing housing output flange damaging the seal. 2. Motor over-pressured by pinching hydraulic hoses or knocking hydraulic hoses off machine auxiliary ports with trees or other debris causing blown out shaft seal in motor and/or gearbox/bearing housing.	1.Avoid wire/mesh fencing, or any other type of objects which could wind around gearbox/bearing housing output flange and damage seal. 2. Avoid any debris contacting or hitting hoses and take care hoses are routed to avoid pinching or snagging. Make sure Quick Disconnects are locked once attached.

NOTICE

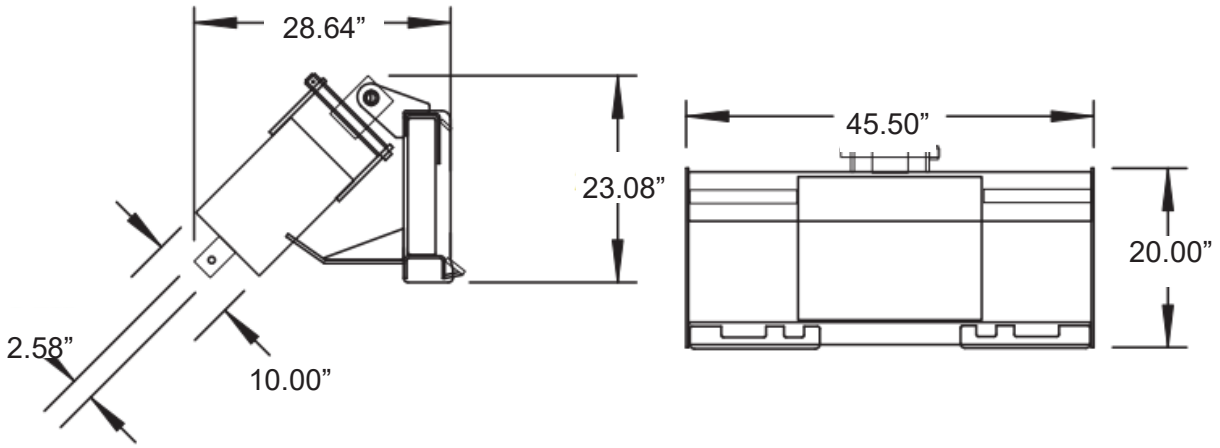
DO NOT disassemble the individual gearbox, bearing housing, and/or hydraulic motor as this will void the warranty. Contact your dealer for any gearbox repair work.

SECTION 6

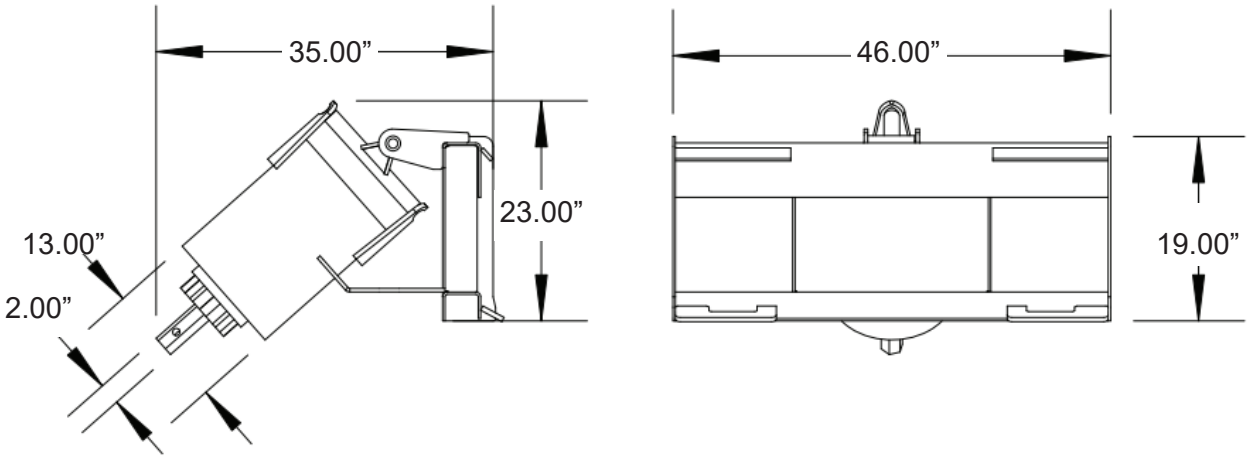
SPECIFICATIONS

AUGER SPECIFICATIONS

Heavy Duty Auger Drive Specs



X-treme Auger Drive Specs



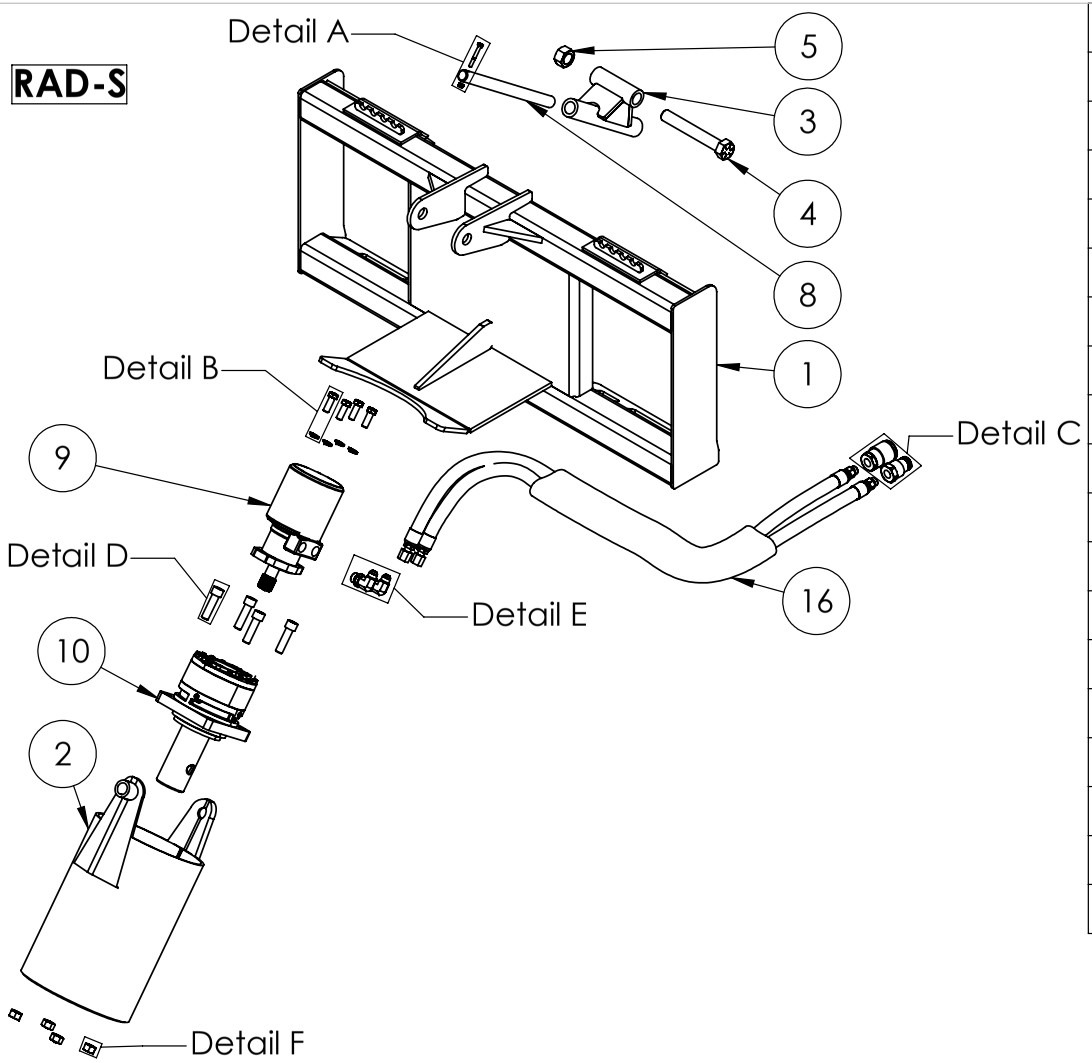
SECTION 7

PARTS INFORMATION

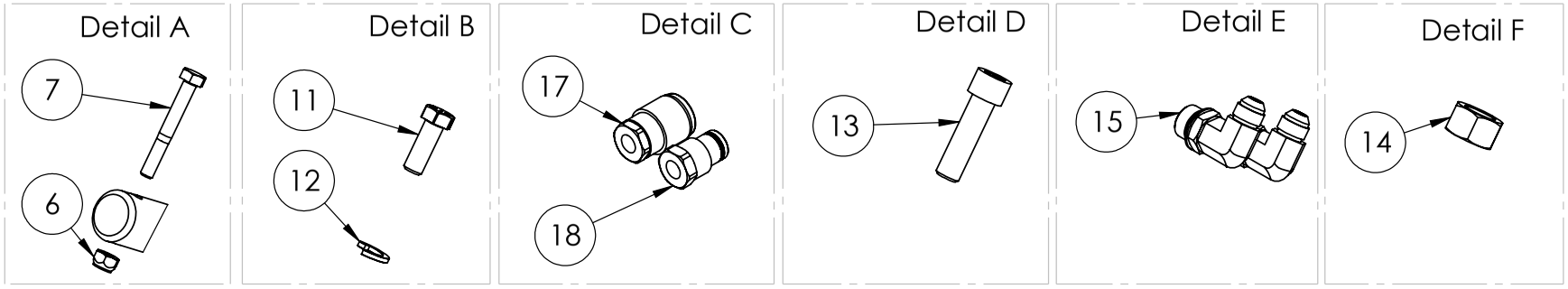
Factory OEM parts specifically designed for your implement are readily available.

For hassle free service and to ensure you receive the correct parts for your implement, please provide your dealer with the following information:

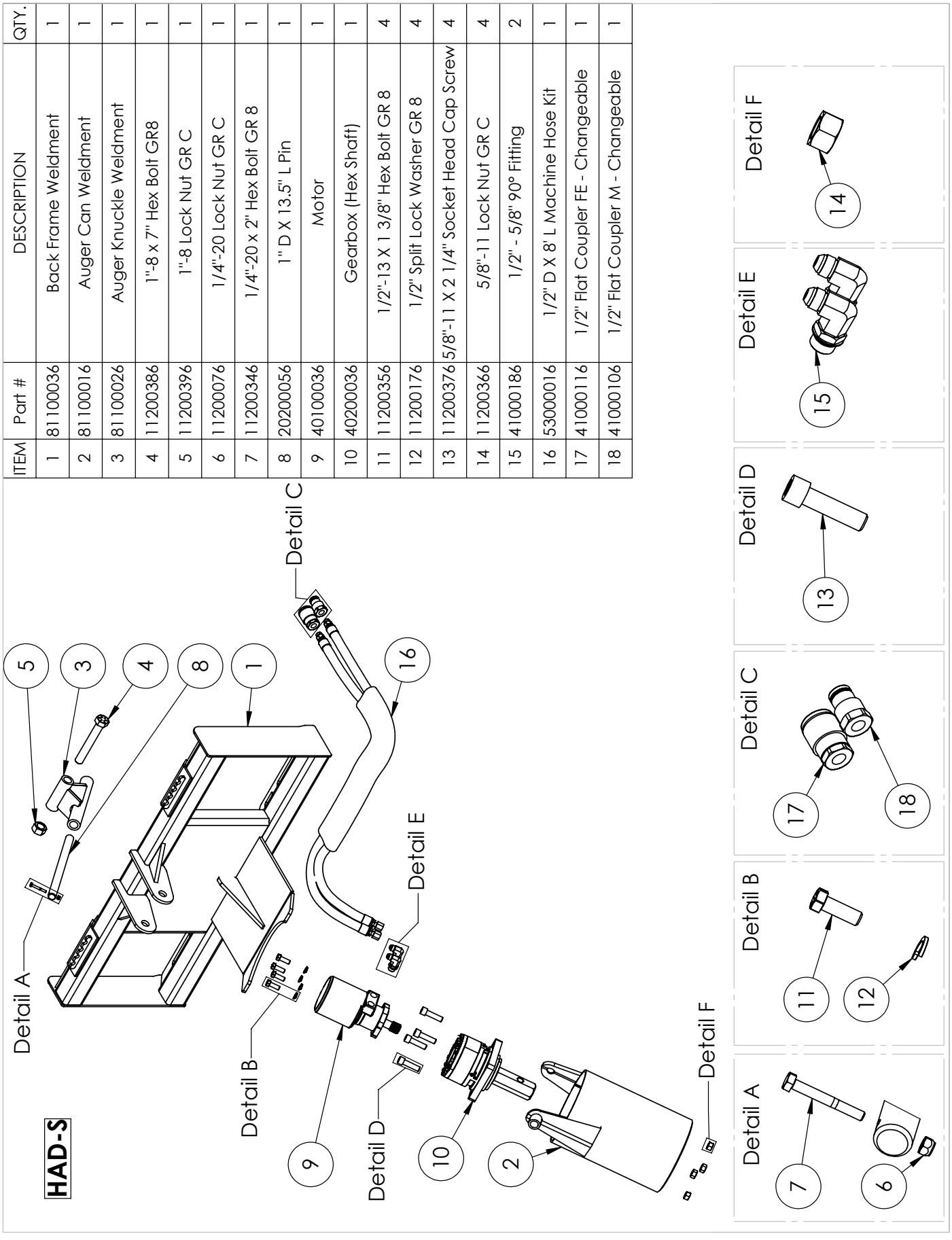
Model Number	
Serial Number	
GPM Requirements	
Date of Owners Manual (Bottom Left Corner of Cover Page)	
Parts Diagram Page Number	
Part Description	
Reference #	
Quantity Desired	
Ship To Information	
Bill To / Payment Information	



ITEM	Part #	DESCRIPTION	QTY.
1	81100036	Back Frame Weldment	1
2	81100016	Auger Can Weldment	1
3	81100026	Auger Knuckle Weldment	1
4	11200386	1"-8 x 7" Hex Bolt GR8	1
5	11200396	1"-8 Lock Nut GR C	1
6	11200076	1/4"-20 Lock Nut GR C	1
7	11200346	1/4"-20 x 2" Hex Bolt GR 8	1
8	20200056	1" D X 13.5" L Pin	1
9	40100036	Motor	1
10	40200136	Gearbox (Round Shaft)	1
11	11200356	1/2"-13 X 1 3/8" Hex Bolt GR 8	4
12	11200176	1/2" Split Lock Washer GR 8	4
13	11200376	5/8"-11 X 2 1/4" Socket Head Cap Screw	4
14	11200366	5/8"-11 Lock Nut GR C	4
15	41000186	1/2" - 5/8" 90° Fitting	2
16	53000016	1/2" D X 8' L Machine Hose Kit	1
17	41000116	1/2" Flat Coupler FE - Changeable	1
18	41000106	1/2" Flat Coupler M - Changeable	1

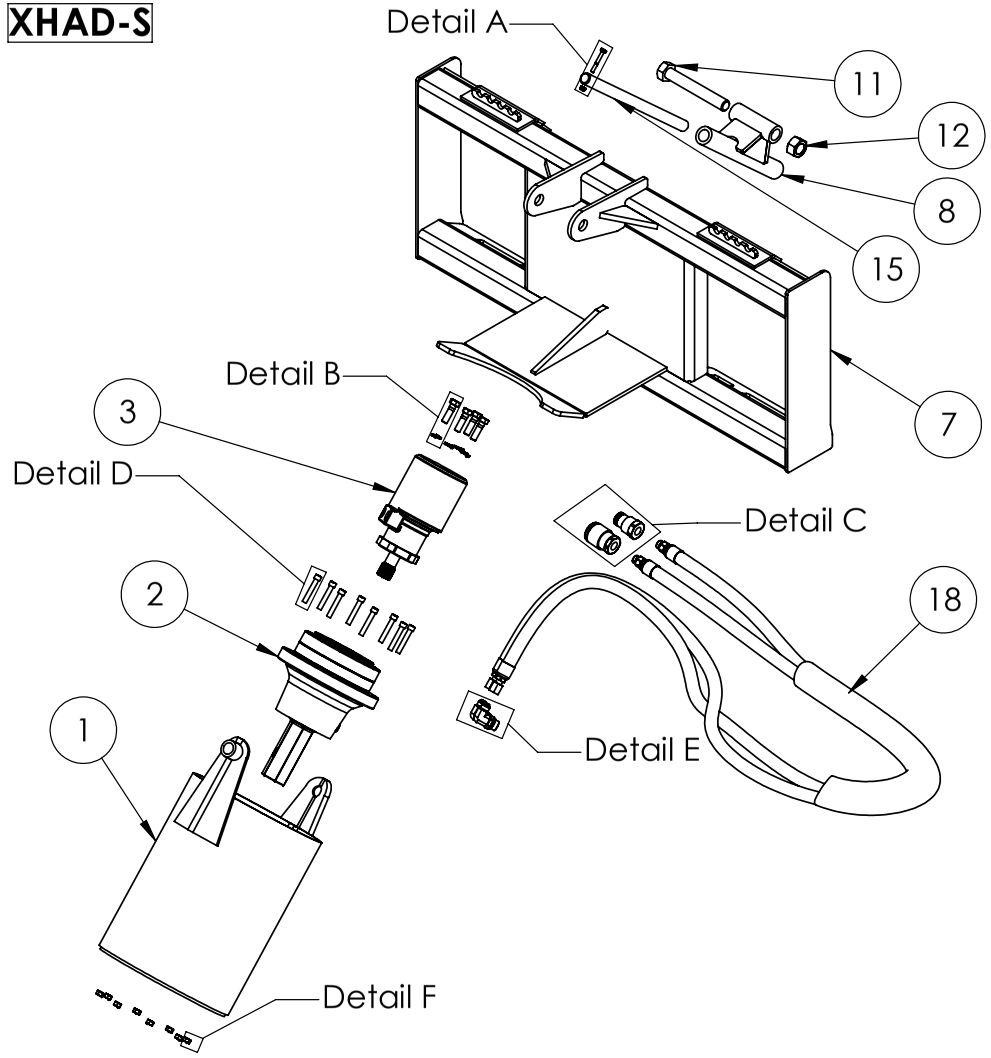


7.2 HEX AUGER DRIVE PARTS DIAGRAM

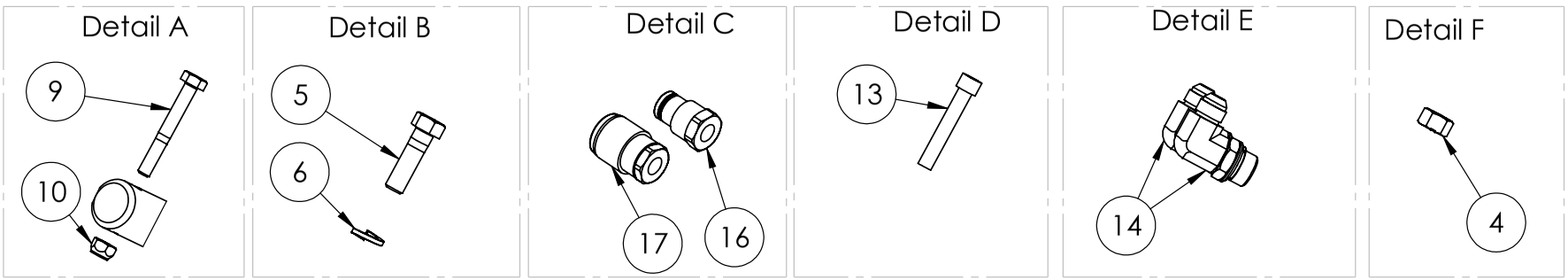


ITEM	Part #	DESCRIPTION	QTY.
1	81100036	Back Frame Weldment	1
2	81100016	Auger Can Weldment	1
3	81100026	Auger Knuckle Weldment	1
4	11200386	1"-8 x 7" Hex Bolt GR8	1
5	11200396	1"-8 Lock Nut GR C	1
6	11200076	1/4"-20 Lock Nut GR C	1
7	11200346	1/4"-20 x 2" Hex Bolt GR 8	1
8	20200056	1" D X 13.5" L Pin	1
9	40100036	Motor	1
10	40200036	Gearbox (Hex Shaft)	1
11	11200356	1/2"-13 X 1 3/8" Hex Bolt GR 8	4
12	11200176	1/2" Split Lock Washer GR 8	4
13	11200376	5/8"-11 X 2 1/4" Socket Head Cap Screw	4
14	11200366	5/8"-11 Lock Nut GR C	4
15	41000186	1/2" - 5/8" 90° Fitting	2
16	53000016	1/2" D X 8' L Machine Hose Kit	1
17	41000116	1/2" Flat Coupler FE - Changeable	1
18	41000106	1/2" Flat Coupler M - Changeable	1

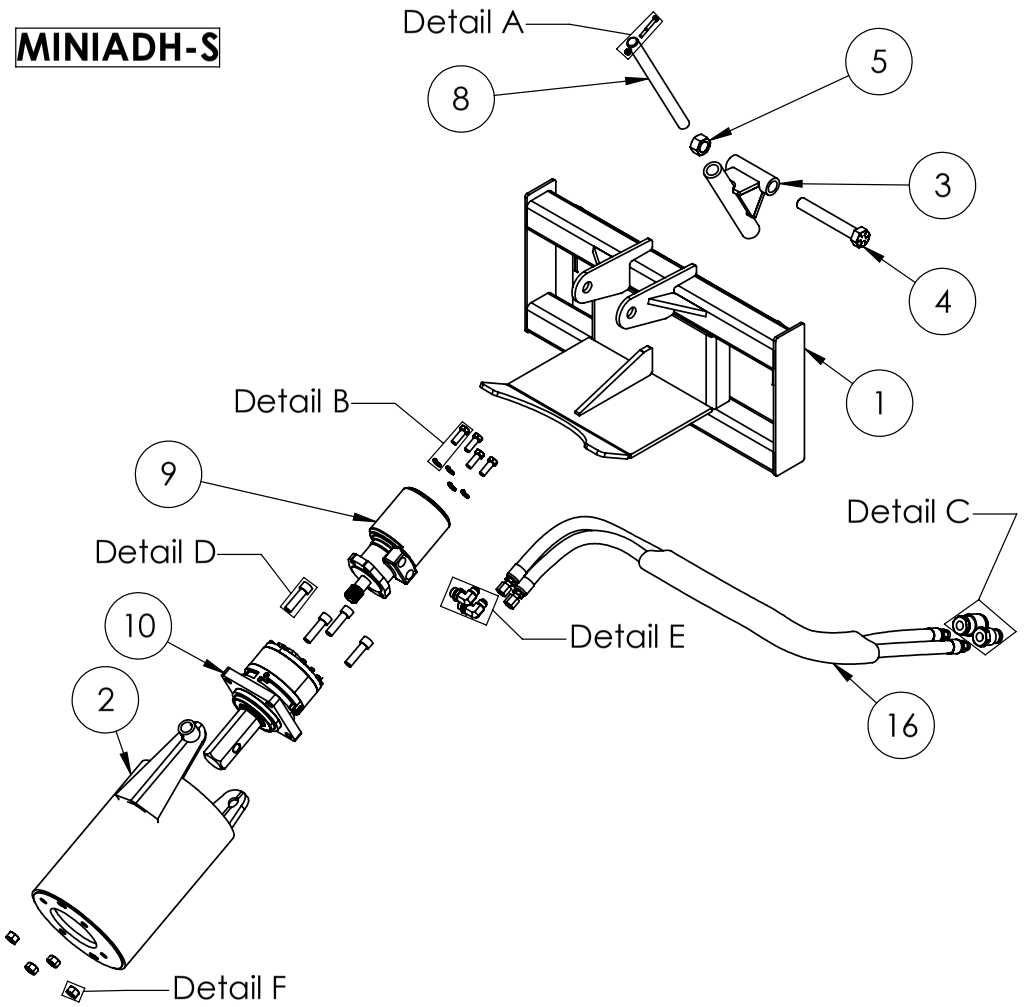
XHAD-S



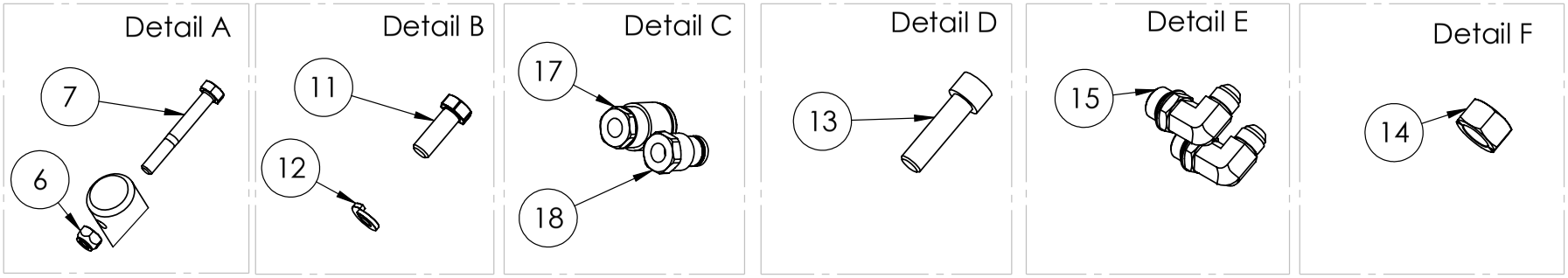
ITEM	Part #	DESCRIPTION	QTY.
1	81100106	XHAD Auger Can Weldment	1
2	40200076	Hex Auger Drive	1
3	40100036	Motor	1
4	11200136	3/8"-16 Lock Nut GR C	8
5	11200786	1/2"-13 x 1 3/4" Hex Bolt GR 8	4
6	11200176	1/2" Split Lock Washer GR 8	4
7	81100036	Back Frame Weldment	1
8	81100116	Extreme Auger Knuckle Weldment	1
9	11200346	1/4"-20 x 2" Hex Bolt GR 8	1
10	11200076	1/4"-20 Lock Nut GR C	1
11	11200386	1"-8 x 7" Hex Bolt GR8	1
12	11200396	1"-8 Lock Nut GR C	1
13	11200796	3/8"-16 x 2 1/4 Socket Head	8
14	41000186	1/2" - 5/8" 90° Fitting	2
15	20200156	1" D x 16.5" L Pin	1
16	41000106	1/2" Flat Coupler M - Changeable	1
17	41000116	1/2" Flat Coupler FE - Changeable	1
18	53000016	1/2" D X 8' L Machine Hose	1



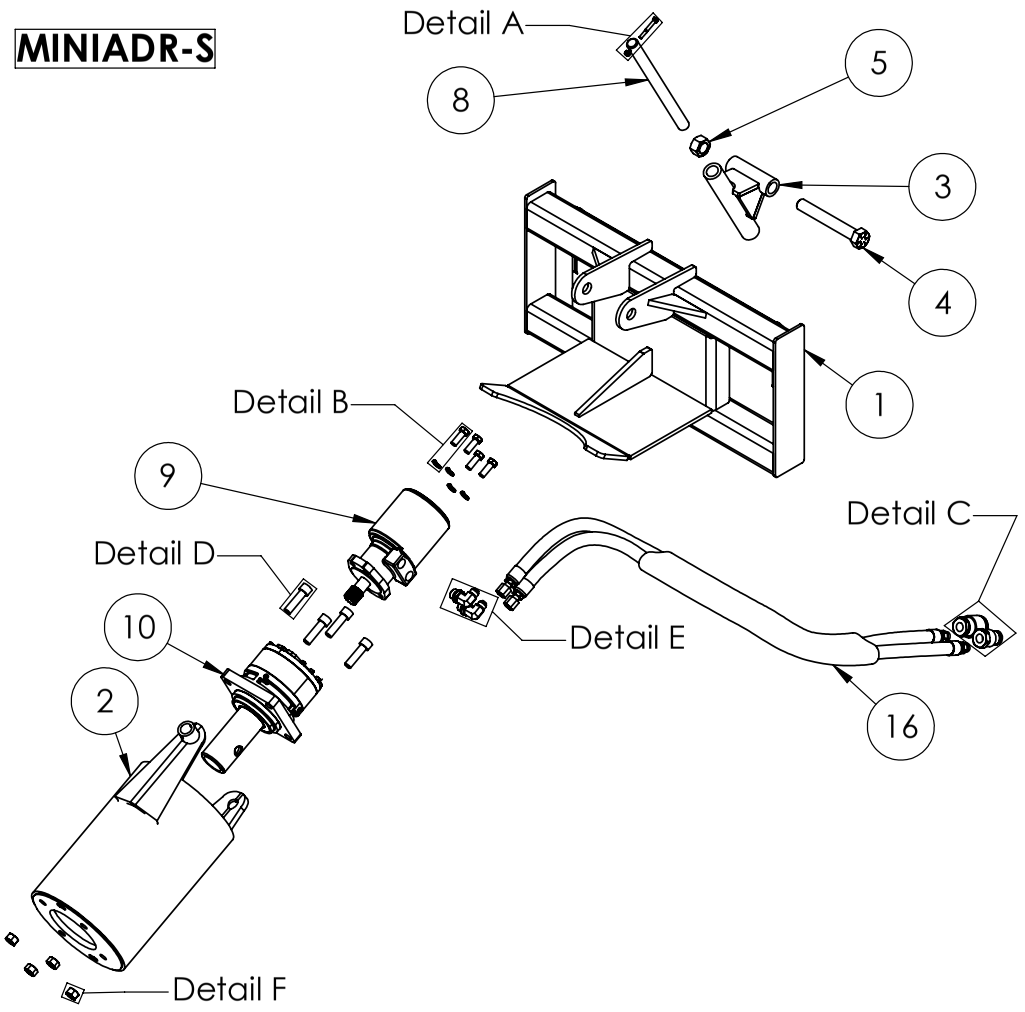
MINIADH-S



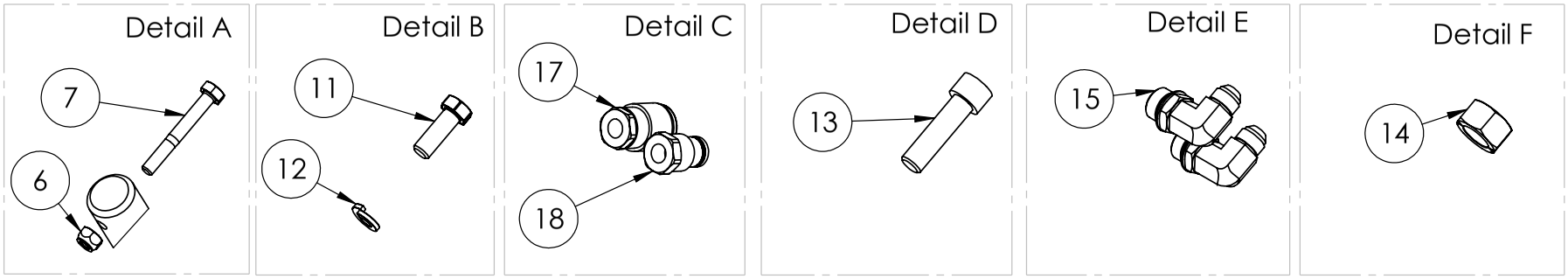
ITEM	Part #	DESCRIPTION	QTY.
1	81100466	Back Frame Weldment	1
2	81100016	Auger Can Weldment	1
3	81100026	Auger Knuckle Weldment	1
4	11200386	1"-8 x 7" Hex Bolt GR8	1
5	11200396	1"-8 Lock Nut GR C	1
6	11200076	1/4"-20 Lock Nut GR C	1
7	11200346	1/4"-20 x 2" Hex Bolt GR 8	1
8	20200056	1" D X 13.5" L Pin	1
9	40100036	Motor	1
10	40200036	Gearbox (Hex Shaft)	1
11	11200356	1/2"-13 X 1 3/8" Hex Bolt GR 8	4
12	11200176	1/2" Split Lock Washer GR 8	4
13	11200376	5/8"-11 X 2 1/4" Socket Head Cap Screw	4
14	11200366	5/8"-11 Lock Nut GR C	4
15	41000186	1/2" - 5/8" 90° Fitting	2
16	53000016	1/2" D X 8' L Machine Hose Kit	1
17	41000116	1/2" Flat Coupler FE - Changeable	1
18	41000106	1/2" Flat Coupler M - Changeable	1



MINIADR-S



ITEM	Part #	DESCRIPTION	QTY.
1	81100466	Back Frame Weldment	1
2	81100016	Auger Can Weldment	1
3	81100026	Auger Knuckle Weldment	1
4	11200386	1"-8 x 7" Hex Bolt GR8	1
5	11200396	1"-8 Lock Nut GR C	1
6	11200076	1/4"-20 Lock Nut GR C	1
7	11200346	1/4"-20 x 2" Hex Bolt GR 8	1
8	20200056	1" D X 13.5" L Pin	1
9	40100036	Motor	1
10	40200136	Gearbox (Round Shaft)	1
11	11200356	1/2"-13 X 1 3/8" Hex Bolt GR 8	4
12	11200176	1/2" Split Lock Washer GR 8	4
13	11200376	5/8"-11 X 2 1/4" Socket Head Cap Screw	4
14	11200366	5/8"-11 Lock Nut GR C	4
15	41000186	1/2" - 5/8" 90° Fitting	2
16	53000016	1/2" D X 8' L Machine Hose Kit	1
17	41000116	1/2" Flat Coupler FE - Changeable	1
18	41000106	1/2" Flat Coupler M - Changeable	1



SECTION 8

WARRANTY INFORMATION

LIMITED WARRANTY

Construction Implements Depot, Inc. (CID) products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

WARRANTY EXCLUSIONS

This warranty does not cover normal wear items, including but not limited to: bearings, hoses, blade holders, ground engaging parts such as teeth, blades, cutting edges, pilot bits, auger teeth and broom bristles. This warranty does not cover maintenance, service or adjustments. This warranty does not cover damage due to improper application or installation, misuse, negligence, accidents or improper maintenance. Please note: Any modification or customization made to your attachment may void its warranty. This warranty is void if any components have been disassembled, i.e., pumps, gear boxes or motors or the attachment has been used without the case drain attached (if applicable). Be sure to follow all recommended Horsepower and GPM requirements as outlined in product specifications, in order to prevent the warranty from being void. This warranty is contingent upon the use of approved BRAND parts exclusively. Any use of non-approved parts may result in voiding the warranty. Please be advised that the warranty does not cover refurbished attachments. Specially modified attachments built by the manufacturer to meet your needs shall not be warranted by CID, Inc.

REPAIRS UNDER WARRANTY

Any repairs, including welding, on attachments must be performed by certified repair technicians who have requested and obtained written approval from an authorized representative of CID before repairs begin. If you are completing the repair, you must also have prior written approval to prevent the warranty from being voided.

WARRANTY STATEMENT

Our obligation under this Limited Warranty shall be solely limited to repairing or replacing any part (see non-covered items above) that, according to our judgment, show evidence of a defect in quality of workmanship or materials for the stated 12 month warranty period. All defective parts must be routed directly to CID, Inc. with

freight or delivery charges to be prepaid. This limited warranty shall not be interpreted to render CID, Inc. liable for any injury or damage to persons, businesses or property of any kind nor expenses or losses incurred for labor, supplies, substitute machinery rental or for any other reason. Repair or replacement parts are subject to the supply conditions at the time of repair or replacements, which may directly affect our ability to obtain material and/or replacement parts. CID, Inc. reserves the right to make improvements in design or changes in specifications at any time without incurring any obligations to owners of previously purchased products. No one but CID, Inc. is allowed to alter, modify or enlarge this warranty nor the exclusions, limitations and reservation at any time. CID, Inc. products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

Purchaser and Manufacturer hereby (a) submit to the non-exclusive jurisdiction of the courts of competent jurisdiction in North Carolina and Davidson County in which this company resides for resolution of any dispute concerning this Limited Warranty or the rights or obligations of Purchaser and/or Manufacturer; (b) agree that any litigation in connection with this Limited Warranty shall be venued in North Carolina and Davidson County in which the company resides and (c) waive any objection they may have as to any such action or proceeding brought in such court that such court is an inconvenient forum. Nothing herein shall limit the right of Purchaser or Manufacturer (or the right of any permitted successor or assign of either) to bring proceedings against the other in the courts of any other jurisdiction wherein any assets of such other party may be located.

8.1 WARRANTY RETURN AUTHORIZATION POLICY

WARRANTY RETURN AUTHORIZATION POLICY:

If repairs are required, a Return Material Authorization (RMA) number must be obtained for the defective part as well as proof of purchase. RMA and services are rendered by CID only. Any responsibility of shipping costs on any item returned for repair is at the discretion of CID, Inc.

All returned parts must have the following:

1. A legible RMA number written on the outside of the package.
2. Warranty Claim Form (online)
3. The defective part.

RMA numbers are only valid for 30 days from the date of issue. All shipped replacement parts will require a Parts Order (PO) number from the original CID, Inc dealer. Repairs not covered by the warranty, will be charged for parts and labor at the current pricing rate. Should you have any problems with your attachment, please follow the instructions listed on the following page.

8.2 WARRANTY PROCEDURE

WARRANTY RETURN AUTHORIZATION PROCEDURE:

1. Call the Warranty Department at (336) 859-2002 EXT 215. You will need to provide the model and serial number of the defective item(s) (see Appendix for where to find this information), a description of the problem, and have photographs available.

2. Upon a warranted issue, visit www.cidattachments.com, click on the warranty tab, and fill in the warranty information on the Warranty Claim Form. CID, Inc will retain a Return Material Authorization (RMA) number of the defective part. If all the information above is completed CID, Inc will issue a RMA number via email.

3. Once you have an approved RMA number, a shipping label will be provided with CID's address and instructions for returning the defective part. **Appropriate RMA's/PO's will be invoiced and payment received while the evaluation process is being completed to prevent delays in your normal business operations. In the event the defective part(s) is un-warranted and repairs are not covered by the warranty, the customer will be invoiced for any additional parts and labor at the current pricing rate. If the part is deemed under warranty, a credit of the invoice will be issued.**

4. CID will ship a replacement part to the provided location or customer with a RMA identifier of some kind. **The customer is responsible for initial shipping charges until evaluation of the part has been completed.** If the part failure is covered by the warranty, the customer will be reimbursed for any paid shipping charges. In the event, the part is not covered by the warranty, the customer is responsible for return shipping.

5. Once the defective part is warranted by CID, the customer will be issued a credit and the PO number will no longer be active.

6. In the event CID decides that the attachment needs to be returned to them for repair, CID will make arrangements for pickup and return. Repairs will be performed by CID qualified technicians. Non-warranted issues will be discussed, and repairs will be performed upon the owner's agreement and receipt of payment for parts and labor.

SECTION 9

SAFETY ACKNOWLEDGMENT

ATTENTION ALL OPERATORS: Print your name, sign and date in the boxes below to acknowledge that you have read and fully understand the safety instructions presented in this manual, and have been trained on how to safely operate this attachment.

OPERATOR NAME	SIGNATURE	DATE

SECTION 10

MAINTENANCE LOG

Use this log sheet to document all routine maintenance and repair services performed on this attachment.

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:

APPENDIX A FINDING YOUR MODEL AND SERIAL NUMBER

The Model and Serial numbers will

either be etched into the attachment or on a Data Plate.

Instructions: Stand at the back of the attachment facing the attachment mounting bracket and look in the following locations:

Top of the attachment plate-left side.

PLEASE NOTE: The Model and Serial number may be etched or on a Data Plate.



Disclaimer: Any critical changes made to this manual by individuals outside the manufacturer's authorized personnel are doing so at their own risk. The manufacturer cannot be held legally responsible for any consequences, damages, or liabilities resulting from such modifications. It is advised to adhere strictly to the original manual provided by the manufacturer for optimal performance, safety, and reliability.



CONSTRUCTION IMPLEMENT DEPOT
DENTON-USA, LLC
1248 N. MAIN ST
DENTON, NC 27239

WWW.CIDATTACHMENTS.COM

MADE IN THE USA
WITH U.S. AND IMPORTED PARTS

CIDAGR-MANU-V3M0426