

OPERATOR'S AND PARTS MANUAL

SPECIALTY LOADER ATTACHMENTS

| **AB16**

| **AB17**

| **AE11**

| **AF11**

| **AF12**

| **AG10**

| **AH11**

| **AS10**

| **AS11**



MANUAL #5MP76312

FRONTIER™

TABLE OF CONTENTS

PREFACE	2
SAFETY PRECAUTIONS	
Safety Statements.....	3
General Safety Precautions.....	3-5
Equipment Safety Precautions.....	6-7
SET-UP	8
INSTALLATION	
Attaching and Detaching Equipment - 200/300/400/500 Series Loaders	9
Attaching and Detaching Equipment - 600/700/800 Series Loaders	10-11
Attaching and Detaching Equipment - Global Carrier Series Loaders.....	11-12
Attaching and Detaching Equipment - Category II Global Carrier Series Loaders	13-14
OPERATION	
AG10 Series Silage Defacer Operation	15
AE11 Series Free Stall Scraper Operation.....	16
AF11 & AF12 Series Loader Mounted Front Blade Operation	17-19
AS10 & AS11 Series Snow Push Operation	20
AB16 Series Small Square Bale Fork Operation	21
AH11 Series Bale Hugger Operation	22
AB17 Series Bale Squeeze.....	23
MAINTENANCE	
Lubrication & Daily Maintenance.....	24
Decal Replacement.....	25
Monthly Maintenance	25
Chain Adjustment (AG10 Series Silage Defacer).....	25
Blade Replacement (AG10 Series Silage Defacer)	26
Rubber Edge Replacement	26-27
Cylinder Seal Replacement.....	28-29
SPECIFICATIONS	
Attachment Specifications.....	30
Bolt Torque Specifications.....	31
PARTS	
AG10 SERIES SILAGE DEFACER (600/700/800/Global Carrier Series Loader).....	32-35
AE11 SERIES FREE STALL SCRAPER (300/400/500 Series Loader).....	36-37
OPTIONAL PULL BACK ASSEMBLY (Free Stall Scraper)	38-39
AF11E 72" LOADER MOUNTED FRONT BLADE (300/400/500 Series Loader)	40-41
AF11E 84" LOADER MOUNTED FRONT BLADE (300/400/500 Series Loader)	42-43
AF11D & AF11G 84" LOADER MOUNTED FRONT BLADE (600/700/Global Carrier Series Loader)	44-45
AF11D & AF11G 96" LOADER MOUNTED FRONT BLADE (600/700/Global Carrier Series Loader)	46-47
AF12D & AF12G 96" LOADER MOUNTED FRONT BLADE (600/700/Global Carrier Series Loader).....	48-49
AF12D & AF12G 108" LOADER MOUNTED FRONT BLADE (600/700/Global Carrier Series Loader).....	50-51
AF12D & AF12G 110" LOADER MOUNTED FRONT BLADE (600/700/Global Carrier Series Loader).....	52-53
HYDRAULIC ANGLE KIT 5FP10726 (Loader Mounted Front Blade).....	54-55
OPTIONAL RUBBER EDGE ASSEMBLIES (Loader Mounted Front Blade).....	56-57
OPTIONAL TOP FLAP ASSEMBLIES (Loader Mounted Front Blade)	58-59
AS10 SERIES SNOW PUSH (300/400 Series Loader)	60-61
AS11 SERIES SNOW PUSH WITH TRIP EDGE (300/400/500 Series Loader).....	62-63
OPTIONAL PULL BACK ASSEMBLIES AND RUBBER EDGE ASSEMBLIES (AS11 Series Snow Push)	64-65
AB16 SERIES SMALL SQUARE BALE FORK (600/700/800/Global Carrier Series Loader).....	66-69
AH11 SERIES BALE HUGGER (600/700/800/Global Carrier Series Loader)	70-71
AB17K BALE SQUEEZE (Category II Global Carrier Series Loader).....	72-75
HYDRAULIC KIT 5MP107670	76-77
5FPLAF4563 CYLINDER ASSEMBLY (Used On AF11 Series Loader Mounted Front Blade).....	78-79
5FP035733 CYLINDER ASSEMBLY(Used On AF12 Series Loader Mounted Front Blade)	80-81
5FPLAF4044 CYLINDER ASSEMBLY SERVICE PARTS	82-83
5MP88928 CYLINDER ASSEMBLY (Used on AB16 Series Small Square Bale Fork)	84-85
5MP104708 CYLINDER ASSEMBLY (Used on AH11 Series Bale Hugger)	86-87

PREFACE

GENERAL INFORMATION

The purpose of this manual is to assist you in operating and maintaining your attachment. Read it carefully. It furnishes information and instructions that will help you achieve years of dependable performance.

These instructions have been compiled from field experience and engineering data. Some information may be general in nature, due to unknown and varying operating conditions. However, through experience and these instructions, you should be able to develop procedures suitable to your particular situation.


The illustrations and data used in this manual were current at the time of printing. However, due to possible inline production changes, your machine may vary slightly in detail. We reserve the right to redesign and change the machines as may be necessary without notification.

Throughout this manual, references are made to right and left direction. These are determined by standing behind the tractor facing the direction of forward travel.



¡LEA EL INSTRUCTIVO!

Si no lee Ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad.

WARNING!  Never let anyone operate this unit without reading the "Safety Precautions" and "Operations" sections of this manual. Always choose hard, level ground to park the loader on and set the brake so the unit cannot roll.

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 Frontier Dealer.

SERVICE

When servicing your product, remember to use only manufacturer replacement parts. Substitute parts may not meet the standards required for safe, dependable operation.

To facilitate parts ordering, 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.

Any questions related to this attachment should be directed to your local Frontier dealer.

MODEL: _____ **DATE:** _____

SERIAL NUMBER: _____ (See parts section for location.)

SAFETY STATEMENTS



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



DANGER

THIS SIGNAL WORD IS USED WHERE SERIOUS INJURY OR DEATH WILL RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.



WARNING

THIS SIGNAL WORD IS USED WHERE SERIOUS INJURY OR DEATH COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.



CAUTION

THIS SIGNAL WORD IS USED WHERE MINOR INJURY COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

NOTICE

NOTICE INDICATES A PROPERTY DAMAGE MESSAGE.

GENERAL SAFETY PRECAUTIONS

WARNING!

READ MANUAL PRIOR TO INSTALLATION



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 AND THE PRIME MOVER'S MANUAL(S).**



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 good 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.

GENERAL SAFETY PRECAUTIONS

WARNING!



PROTECT AGAINST FLYING DEBRIS

Always wear proper safety glasses, goggles, or a face shield when driving pins in or out, or when any operation causes dust, flying debris, or any other hazardous material.

WARNING!



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. Make sure support material is solid, not decayed, warped, twisted, or tapered. Lower booms to ground level or on blocks. Lower booms and attachments to the ground before leaving the cab or operator's station.

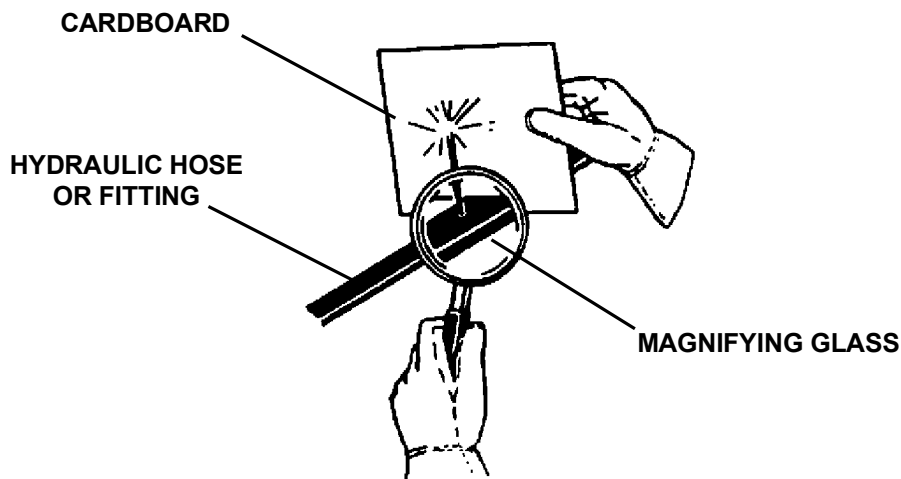
WARNING!



USE CARE WITH HYDRAULIC FLUID PRESSURE

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

- 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.
- If injured by injected fluid, see a doctor at once. If your doctor is not familiar with this type of injury, ask him to research it immediately to determine proper treatment.
- Wear safety glasses, protective clothing, and use a piece of cardboard or wood when searching for hydraulic leaks. **DO NOT USE YOUR HANDS!** SEE ILLUSTRATION.



GENERAL SAFETY PRECAUTIONS

WARNING!



DO NOT MODIFY MACHINE OR ATTACHMENTS

Modifications may weaken the integrity of the attachment and may impair the function, safety, life, and performance of the attachment. When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. Never modify any ROPS (Roll Over Protection Structure) or FOPS (Falling Object Protective Structure) equipment or device. Any modifications must be authorized in writing by the manufacturer.

WARNING!



SAFELY MAINTAIN AND REPAIR EQUIPMENT

- Do not wear loose clothing or any accessories that can catch in moving parts. If you have long hair, cover or secure it so that it does not become entangled in the equipment.
- Work on a level surface in a well-lit area.
- Use properly grounded electrical outlets and tools.
- Use the correct tools for the job at hand. Make sure they are in good condition for the task required.
- Wear the protective equipment specified by the tool manufacturer.



SAFELY OPERATE EQUIPMENT

Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, know its capabilities, dimensions, and all safety requirements. See your machine's manual for these instructions.

- Keep all step plates, grab bars, pedals, and controls free of dirt, grease, debris, and oil.
- Never allow anyone to be around the equipment when it is operating.
- Do not allow riders on the attachment or the prime mover.
- Do not operate the equipment from anywhere other than the correct operator's position.
- Never leave equipment unattended with the engine running, or with this attachment in a raised position.
- Do not alter or remove any safety feature from the prime mover or this attachment.
- Know your work site safety rules as well as traffic rules and flow. When in doubt on any safety issue, contact your supervisor or safety coordinator for an explanation.

WARNING!



KNOW WHERE UTILITIES ARE

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.

EQUIPMENT SAFETY PRECAUTIONS



TRANSPORTING ALL ATTACHMENTS

- Travel only with the attachment as close to the ground as possible. Drive slowly over rough ground and on slopes.
- 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.
- When on a slope, keep the load low and proceed with extreme caution. Do not drive ACROSS a steep slope - drive straight up and down.
 - With a LOADED attachment - face the attachment and load uphill.
 - With an EMPTY attachment - face the attachment downhill.
- Do not smoke when refueling. Allow room in the gas tank for expansion. Wipe up any spilled fuel. Secure cap tightly when done.



MAINTAINING ALL ATTACHMENTS

- Before performing maintenance, lower the attachment to the ground, apply the brakes, turn off the engine, and remove the key.
- Worn, damaged, or illegible safety decals must be replaced. New safety decals can be ordered from your Frontier Dealer.
- Never work under a raised attachment.



OPERATING ALL ATTACHMENTS

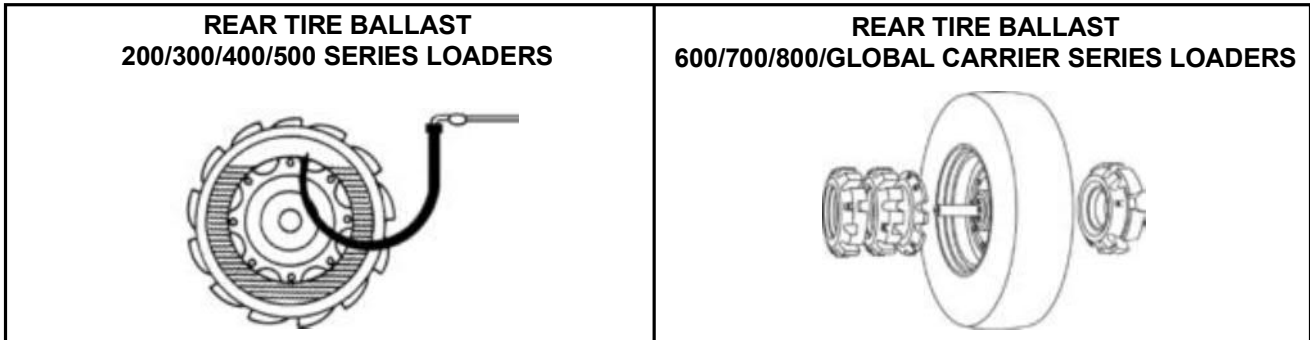
- Operate only from the operator's station. Always use the seat belt if the prime mover has a ROPS. Do not use a seat belt if there is not ROPS. Check the seat belt daily and replace if frayed or damaged.
- Specified lift capacities must not be exceeded. See loader specifications.
- An operator must 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.
- Never use any of these attachments for a work platform or personnel carrier.
- Always check locking pins before tilting or operating any attachment.
- Do not handle round bales unless loader is equipped with approved bale handling attachments.
- Do not detach loader from tractor with any of these attachments installed. Equip loader with material bucket when detaching.
- Stop loader gradually when lowering or lifting loads
- 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.
- Add the required amount of ballast to tractor. (See Preparing the Tractor section of the Loader Operator's Manual to determine the type and amount of ballast required.)

REAR BALLAST BOX



WARNING!
TRACTOR STABILITY OR LOSS OF STEERING CONTROL MAY RESULT IF BALLAST BOX IS INSTALLED WITHOUT LOADER. DO NOT OPERATE TRACTOR WITH BALLAST BOX UNLESS LOADER IS INSTALLED.

EQUIPMENT SAFETY PRECAUTIONS



ADDITIONAL PRECAUTIONS FOR AG10 SERIES SILAGE DEFACER

- Clear work area of ALL bystanders before operating this attachment.
- Operate only from the operator's station.



ADDITIONAL PRECAUTIONS FOR AE11 SERIES FREE STALL SCRAPER

- Pushing rigid objects or material can result in damage to the scraper.



ADDITIONAL PRECAUTIONS FOR AF11 AND AF12 SERIES LOADER MOUNTED FRONT BLADE

- Dozing undisturbed soil or heavy material can result in damage to the blade.
- Do not operate the AF11 Series blade onto 7000 series tractors. The horsepower and overall vehicle weight will exceed the working capacity of the blade



ADDITIONAL PRECAUTIONS FOR AS10 AND AS11 SERIES SNOW PUSH

- Pushing rigid objects or material can result in damage to the snow push.



ADDITIONAL PRECAUTIONS FOR AB16 SERIES SMALL SQUARE BALE FORK

- Park and store this attachment with tines pointed down.
- Do not handle more bales than your attachment was designed to lift.
- Never stack bales on uneven ground. Loads stacked on uneven ground can topple.



ADDITIONAL PRECAUTIONS FOR AH11 SERIES BALE HUGGER

- Do not handle more than one round bale at a time.
- Be sure stack and load heights do not exceed the lifting capabilities of your loader.
- Never use tractor or loader to stop a rolling bale.
-



ADDITIONAL PRECAUTIONS FOR AB17 SERIES BALE SQUEEZE

- Grab bales 1/3 to 1/2 the way up from the bottom edge of bale.
- Do not handle more bales than your attachment was designed to lift.
- Never stack bales on uneven ground. Loads stacked on uneven ground can topple.

Buy Now



Our support email:

ebooklibonline@outlook.com