

O P E R A T O R ' S M A N U A L

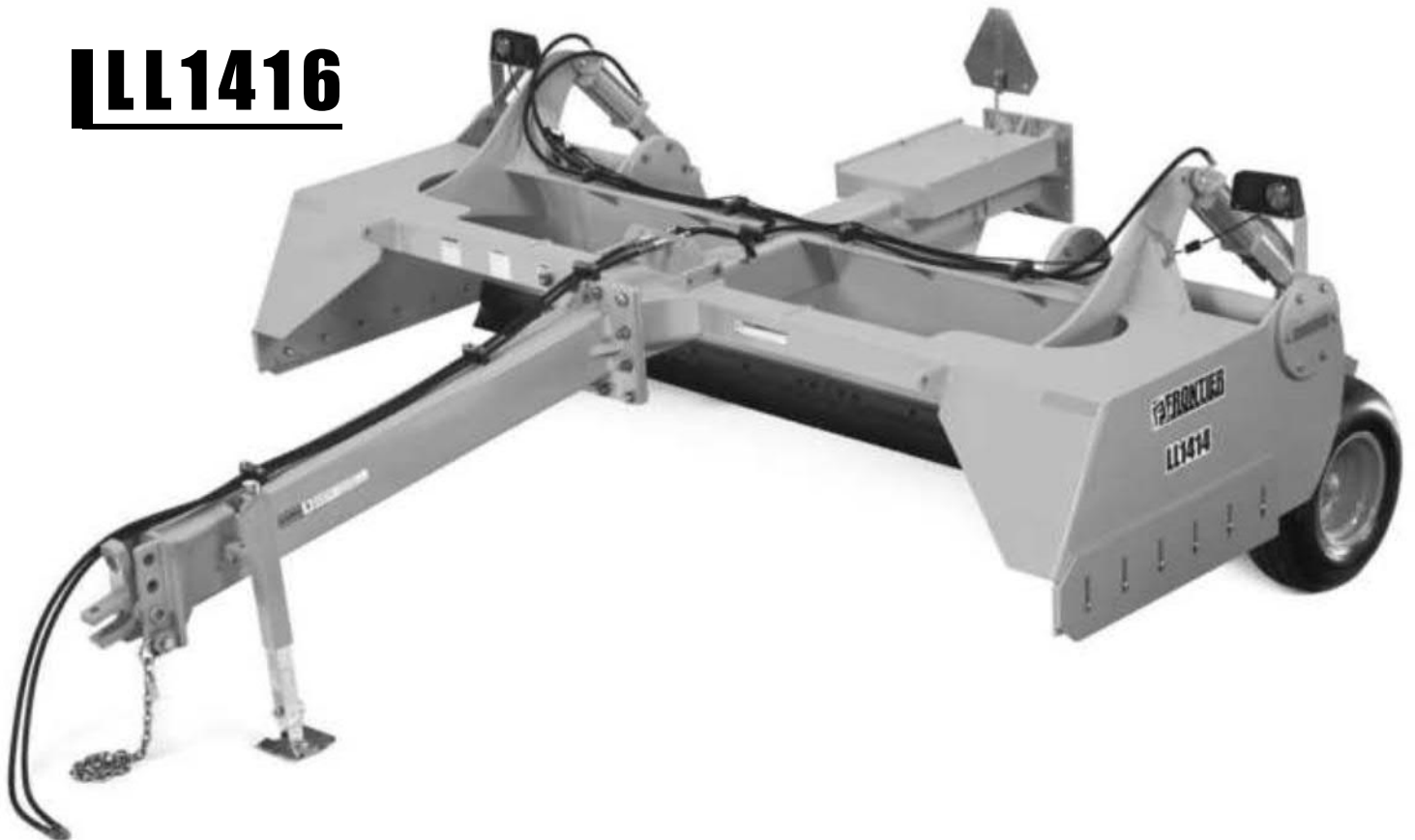
LAND LEVELER

LL1410

LL1412

LL1414

LL1416



FRONTIER
EQUIPMENT

TO THE DEALER:

Assembly and proper installation of this product is the responsibility of the Frontier dealer. Read manual instructions and safety rules. Make sure all items on the Dealer’s Pre-Delivery and Delivery Check Lists in the Owner’s/Operator’s Manual are completed before releasing equipment to the owner.

The dealer must complete the Warranty Registration located on the Frontier website.

TO THE OWNER:

Read this manual before operating your Frontier equipment. The information presented will prepare you to do a better and safer job. Keep this manual handy for ready reference. Require all operators to read this manual carefully and become acquainted with all the adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your Frontier dealer.

The equipment you have purchased has been carefully engineered and manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and upkeep. Lubricate the unit as specified. Observe all safety information in this manual and safety decals on the equipment.

For service, your authorized Frontier dealer has trained mechanics, genuine Frontier service parts, and the necessary tools and equipment to handle all your needs.

Use only genuine Frontier service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation. Record the model number and serial number of your equipment in the spaces provided:

Model: _____ **Date of Purchase:** _____

Serial Number: (see Safety Decal section for location) _____

Provide this information to your dealer to obtain correct repair parts.

Throughout this manual, the term **IMPORTANT** is used to indicate that failure to observe can cause damage to equipment. The terms **CAUTION, WARNING** and **DANGER** are used in conjunction with the Safety-Alert Symbol, (a triangle with an exclamation mark), to indicate the degree of hazard for items of personal safety.



This Safety-Alert Symbol indicates a hazard and means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**

DANGER

Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.

WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed.

CAUTION

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

IMPORTANT

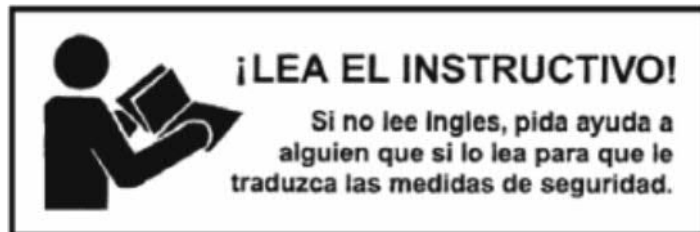
Indicates that failure to observe can cause damage to equipment.

NOTE

Indicates helpful information.

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GENERAL INFORMATION

The purpose of this manual is to assist you in operating and maintaining your leveling scraper. 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.

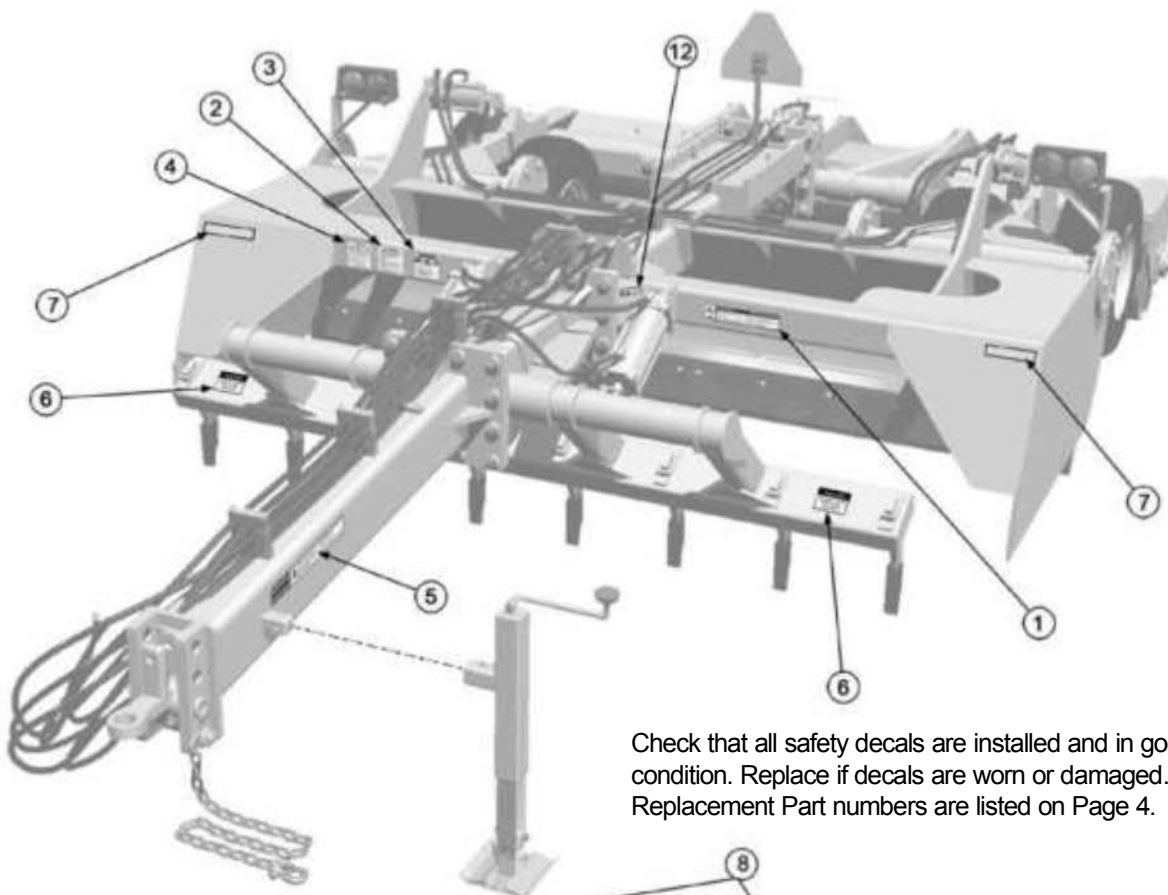
LL14 SERIES BASE UNIT SPECIFICATIONS

Model	LL1410	LL1412	LL1414	LL1416
Tractor HP	140-535	140-535	180-535	180-535
Working Width	10 Feet	12 Feet	14 Feet	16 Feet
Machine Width	124.5 Inches	148.5 Inches	172.5 Inches	196.5 Inches
Machine Length	17.5 Feet	17.5 Feet	17.5 Feet	17.5 Feet
Machine Height	52 Inches	52 Inches	52 Inches	52 Inches
Operating Weight	6260 lbs.	7500 lbs.	8750 lbs	10000 lbs.
Hitch Type	Drawn	Drawn	Drawn	Drawn
Wheels	10 x 16	10 x 16	10 x 16	10 x 16
Tire	12.5L x 16	12.5L x 16	12.5L x 16	12.5L x 16
Cutting Edge	Standard 8" Tall, 5/8 Thick Grading Blade	Standard 8" Tall, 5/8 Thick Grading Blade	Standard 8" Tall, 5/8 Thick Grading Blade	Standard 8" Tall, 5/8 Thick Grading Blade
Moldboard Thickness	7/8 Inch	7/8 Inch	7/8 Inch	7/8 Inch
End Plate Thickness	5/8 Inch	5/8 Inch	5/8 Inch	5/8 Inch
Hydraulic Cylinders	Standard	Standard	Standard	Standard
Hydraulic Cylinders (#)	2 Phasing	2 Phasing	2 Phasing	2 Phasing
Cylinder Size	4.75, 4.50 Bore	4.75, 4.50 Bore	4.75, 4.50 Bore	4.75, 4.50 Bore
Cylinder Stroke Length	10 Inches	10 Inches	10 Inches	10 Inches
Rear Weight Bracket	Optional	Optional	Optional	Optional
Max. # John Deere 100 lb. Suit Case Weights	3200	3200	4200	4600
Max. Weight Per Inch of Blade	125 lb.	125 lb.	125 lb.	125 lb.
Jack Stand	Standard	Standard	Standard	Standard
Safety Chains	Standard	Standard	Standard	Standard
Duty	Construction	Construction	Construction	Construction
Warranty	6 Months Warranty	6 Months Warranty	6 Months Warranty	6 Months Warranty

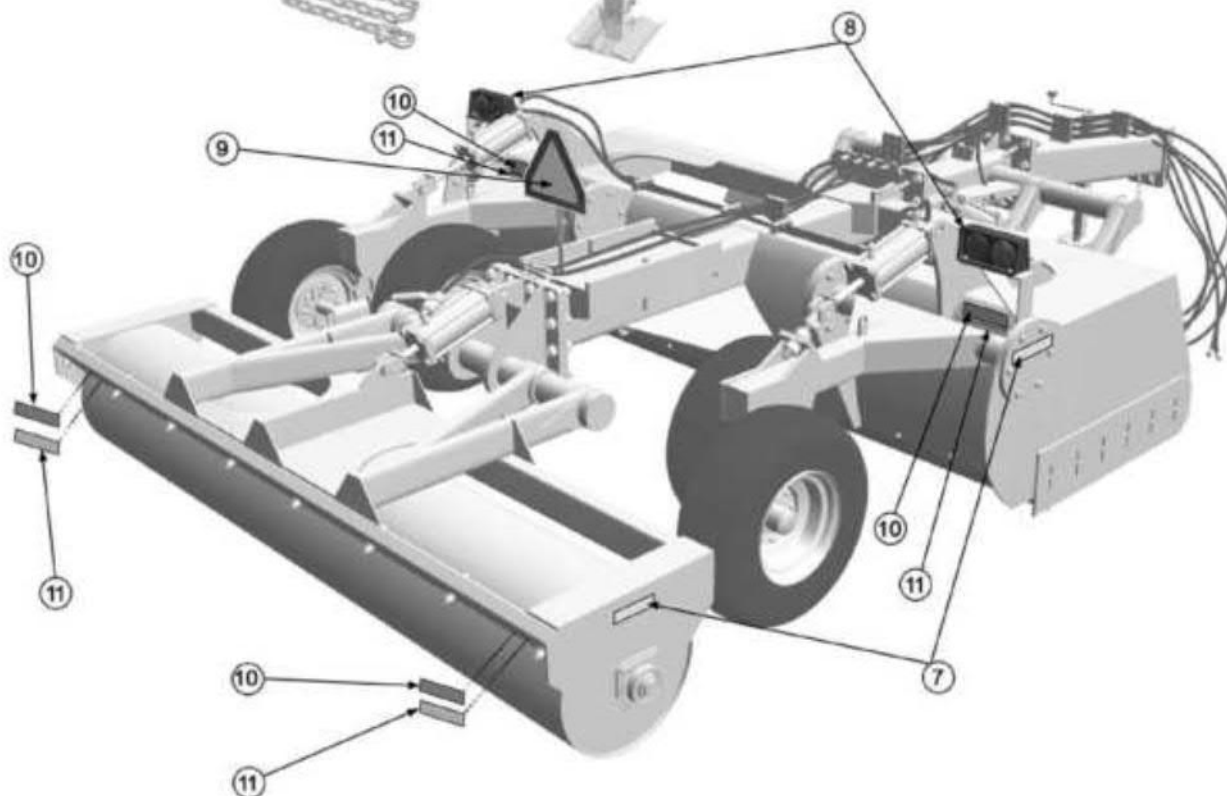
LL14 SERIES OPTIONAL EQUIPMENT SPECIFICATIONS

Model	LL1410	LL1412	LL1414	LL1416
Hydraulic Scarifier Bar	Optional Attachment	Optional Attachment	Optional Attachment	Optional Attachment
Weight	1480 lbs	1480 lbs	2100 lbs	2100 lbs
Length	38 Inches	38 Inches	38 Inches	38 Inches
Width	10 Feet	10 Feet	14 Feet	14 Feet
Replaceable Tips	Yes	Yes	Yes	Yes
Number of Scarifiers	8	8	10	10
Hydraulic Cylinders (#)	2 Standard	2 Standard	2 Standard	2 Standard
Cylinder Size	5.0 Bore	5.0 Bore	5.0 Bore	5.0 Bore
Cylinder Rod Size	2 Inches	2 Inches	2 Inches	2 Inches
Cylinder Stroke Length	8 Inches	8 Inches	8 Inches	8 Inches
Additional SCVs Required	2 Non Phasing	2 Non Phasing	2 Non Phasing	2 Non Phasing
Time required to attach	45 Minutes	45 Minutes	45 Minutes	45 Minutes
Hydraulic Smooth Drum Roller	Optional Attachment	Optional Attachment	Optional Attachment	Optional Attachment
Weight	2500 lbs	3000 lbs	3500 lbs	4000 lbs
Length	58 Inches	58 Inches	58 Inches	58 Inches
Width	10 Feet	12 Feet	14 Feet	14 Feet
Roller Diameter	24 Inches	24 Inches	24 Inches	24 Inches
Hydraulic Cylinders (#)	1 Standard	1 Standard	1 Standard	1 Standard
Cylinder Size	5.0 Bore	5.0 Bore	5.0 Bore	5.0 Bore
Cylinder Rod Size	2 inches	2 inches	2 inches	2 inches
Cylinder Stroke Length	8 Inches	8 Inches	8 Inches	8 Inches
Time required to attach	30 Minutes	30 Minutes	30 Minutes	30 Minutes

SAFETY & INSTRUCTIONAL DECALS, REFLECTORS AND LIGHTS
ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!
FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH



Check that all safety decals are installed and in good condition. Replace if decals are worn or damaged. Replacement Part numbers are listed on Page 4.



3 Safety Decals

SAFETY & INSTRUCTIONAL DECALS, REFLECTORS AND LIGHTS

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH

Check that all safety decals are installed and in good condition. Replace if decals are worn or damaged. Replacement Part numbers are listed here.

DECAL SHEET INCLUDES:
 DECALS 1,2,3,4,5, 6, (2) FRONTIER DECALS,
 (2) LL14 SERIES DECALS FOR EACH
 SPECIFIC MODEL

DECAL SHEET PART NUMBERS FOR EACH
 MODEL:

5DDP00454	LL1410
5DDP00455	LL1412
5DDP00456	LL1414
5DDP00457	LL1416

WARNING

- DO NOT allow others to ride on the machine or tractor.
- Park or block disc so it will not roll when disconnecting from tractor driveshafts.
- Never go underneath equipment (lowered to the ground or raised) unless it is properly blocked and secured.
- Never place any part of the body underneath equipment or between movable parts even when the engine has been turned off.
- Be sure that everyone is standing clear before operating the machine.
- DO NOT operate or transport at high speeds.
- DO NOT operate or transport on steep slopes.

WARNING

TO AVOID SERIOUS INJURY OR DEATH:

- Read Operator's Manual before operating, servicing or repairing equipment. Follow all safety rules and instructions. (Manuals are available from your selling dealer.)
- Never allow riders.
- Keep bystanders away from equipment during operation.
- Operate from tractor seat only.
- Keep all shields in place and in good condition.
- Lower equipment to ground, stop engine, remove key and set brake before dismounting tractor.
- Never allow children or untrained persons to operate equipment.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

WARNING

KEEP AWAY

HIGH-PRESSURE FLUID HAZARD

To prevent serious injury or death:

- Release pressure on system before repairing or adjusting or disconnecting.
- Wear proper hand and eye protection when searching for leaks. Use wood or cardboard instead of hands.
- Keep all components in good repair.

WARNING

CRUSHING AND PINCHING HAZARD

- Be extremely careful handling various parts of the machine. They are heavy and hands, fingers, feet, and other body parts could be crushed or pinched between tractor and implement.
- Operate tractor controls from tractor seat only.
- Do not stand between tractor and implement when tractor is in gear.
- Make sure parking brake is engaged before going between tractor and implement.
- Stand clear of machine while in operation or when it is being raised or lowered.

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

WARNING

Do not exceed this implement's maximum transport speed of 32 km/h (20 mph). Exceeding this speed may result in loss of control during transport or braking and serious injury or death.

Transport only with a properly ballasted tractor and a properly attached safety tow chain. Do not transport with a motor vehicle. Reduce speed and use additional caution when on inclines, towing under adverse surface conditions, and turning.

Important

DO NOT TURN WITH TOOL ENGAGED

SMV Sign
5DDP00167



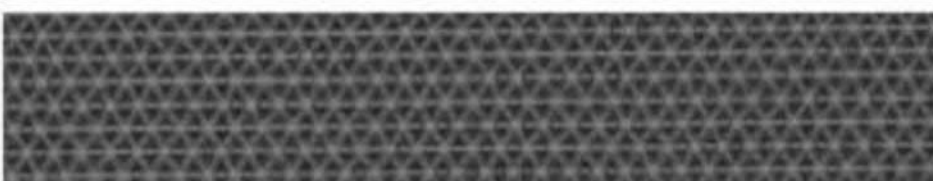
12 5DDP00205
Frontier
Serial Number



7
5DDP00163
2" x 9" Yellow Reflective Strips



11
5DDP00162
2" x 9" Red Reflective Strips



10
5DDP00161
2" x 9" Orange Reflective Strips



8
5DDP00180
Light Kit

Safety Decals 4

Buy Now



Our support email:

ebooklibonline@outlook.com