

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

ROTARY TILLERS

RT 1170

RT 1270

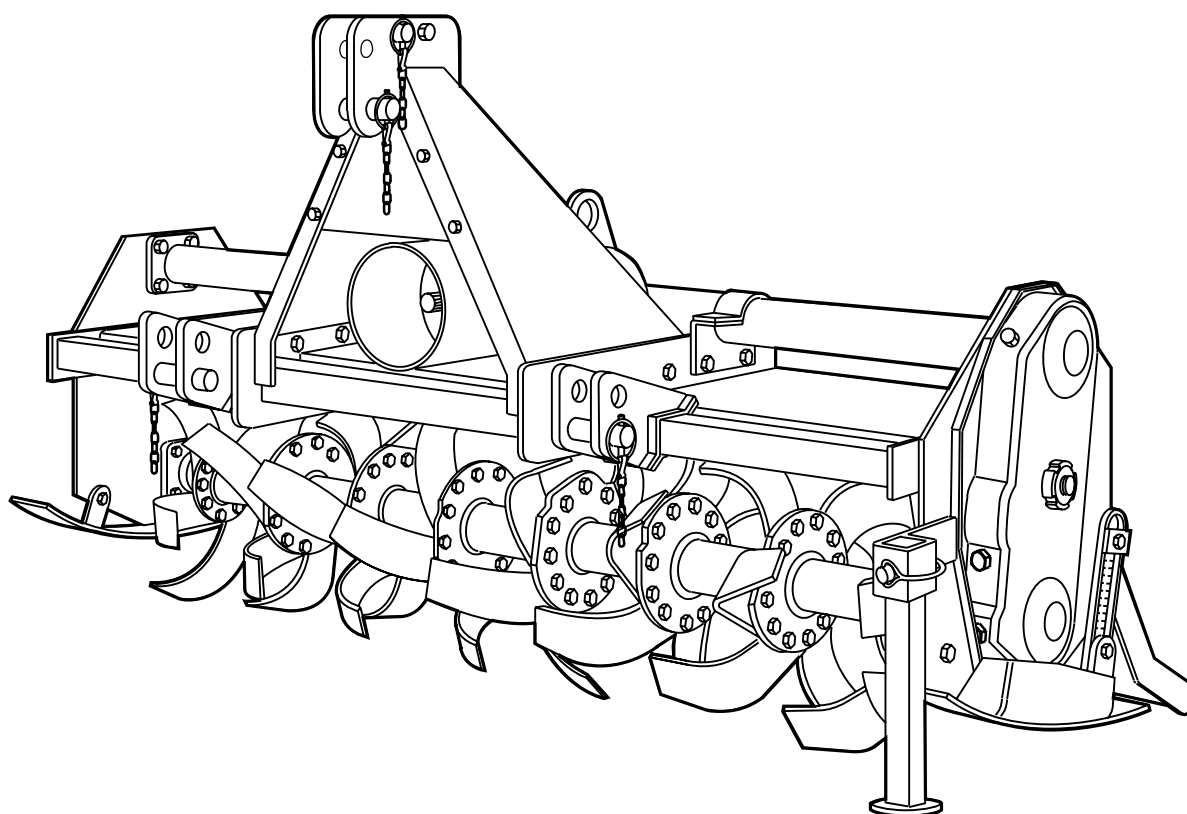
RT 1280

RT 1080 E

RT 1180

RT 1207

RT 1208



FRONTIER
EQUIPMENT

TABLE OF CONTENTS

Technical specification

Technical specification	4
Technical specification - Hitch	6

Safety signs

Safety-Alert symbol	7
Identification machine	7
Machine safety labels	7

Machine safety labels and positions

Machine safety labels and positions	8
---	---

Preparing the vehicle

Preparing the tractor	10
Park vehicle safety	10
Stay clear of rotating drivelines	10

Installing

Installing tiller on tractor	10
PTO shaft	12
PTO shaft with clutch	13
Quick Coupler (optional)	14
Park vehicle safety	14
Stay clear of rotating drivelines	14

Removing

Removing tiller	15
Removing tiller with Quick Coupler	15

Operating

Operate safely	16
Wear appropriate clothing	17
Stay clear of rotating drivelines	17
Raising parking stand	17
Lowering parking stand	17
Levelling attachments (side-to-side)	17
Levelling tiller (front-to-rear)	18
Adjusting skid shoes	18
Adjusting levelling board	18
Change speed	19
Tilling tips	20

During tilling	20
Replacement parts	20

Service Machine Safely

Practice safe maintenance	21
Wear appropriate clothing	21
Stay clear of rotating drivelines	21

Service lubrication

Service lubrication	22
Every 8 work hours	22
Every 50 work hours	22
Every 400 work hours	22
Every 1000 work hours	22
Greasing and lubricant points	23
Lubricants	23
Screw tightening torques	23

Service

Chain stretcher	24
Service intervals	24
Replacing tines	24
Tines	24

Troubleshooting

Using troubleshooting chart	25
-----------------------------------	----

Storing machine

Storing tiller	26
Removing tiller from storage	26

Assembly / Spare parts

RT 1170-1080 E-1270-1180-1280-1207-1208	27
Lift hook assembly procedur	29
Installing driveline on tiller	29
Spare parts	29

Warranty

Warranty	30
Warranty for replacement parts	31

TO THE DEALER:

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

The dealer must complete the Warranty Registration, located on the Frontier website. **Warranty claims will be denied if the Warranty Registration has not been completed.**

TO THE OWNER:

Read this manual before operating your frontier equipment. The information presented will prepare you to do a better and a 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 selling 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!**



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 a failure to observe can cause damage to equipment.

NOTE

Indicates helpful information.

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

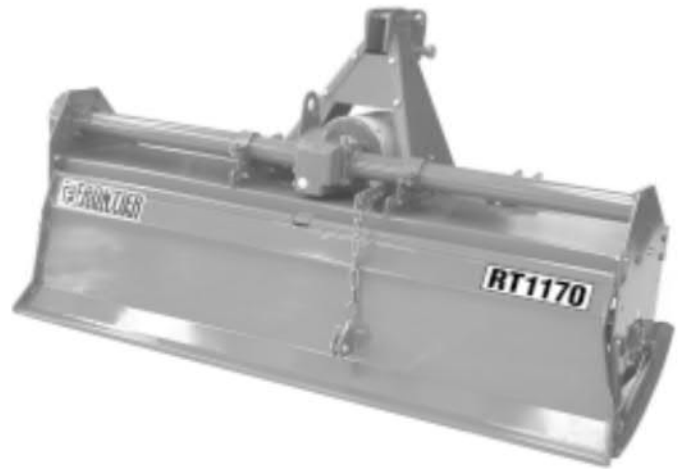
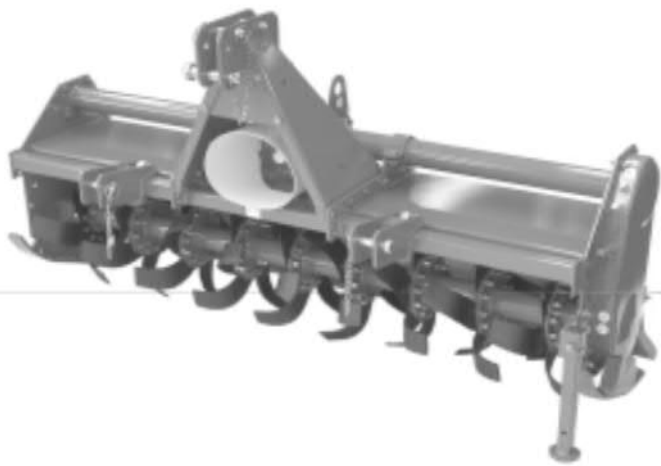
Enter the link into your browser.

The full manual is available for immediate download.

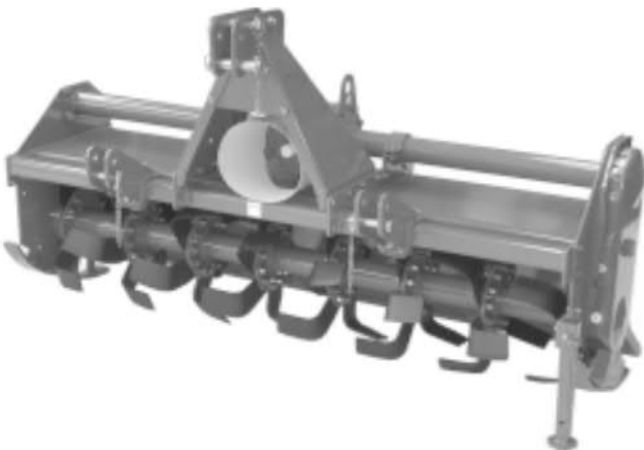
<https://www.ebooklibonline.com>

TECHNICAL SPECIFICATIONS

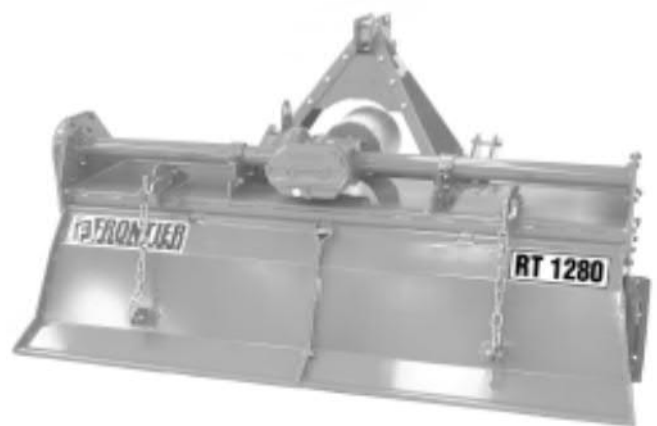
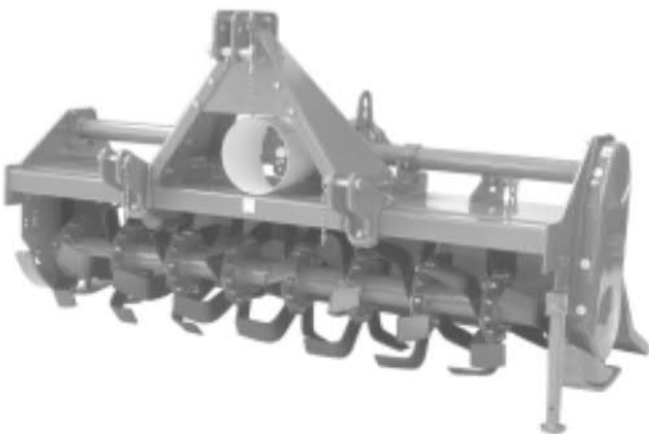
RT 1170 - 1080 E



RT 1270 - 1180



RT 1280 - 1207 - 1208



TECHNICAL SPECIFICATIONS

RT 1170 - 1080 E

<i>Model</i>	<i>Work/width inches</i>	<i>Tractor HP min</i>	<i>Tractor HP max</i>	<i>Weight lbs.</i>	<i>Side Drive</i>	<i>PTO shaft</i>	<i>Speeds gear box</i>	<i>Input speed</i>	<i>Hitch</i>	<i>Tines STD</i>	<i>Rotor blades</i>	<i>Rotor flanges</i>
RT 1170	73	45	60	761	Chain ASA 100	Slip Clutch	Single	540	Cat. "II" Quick coupler	"C"	6	9
RT 1080 E	81	50	60	810	Chain ASA 100	Slip Clutch	Single	540	Cat. "II" Quick coupler	"C"	6	10

RT 1270 - 1180

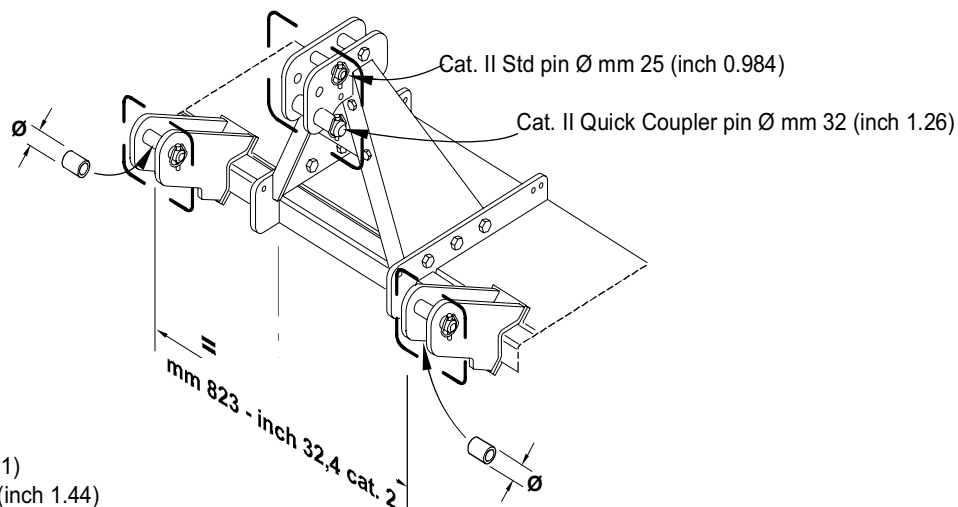
<i>Model</i>	<i>Work/width inches</i>	<i>Tractor HP min</i>	<i>Tractor HP max</i>	<i>Weight lbs.</i>	<i>Side Drive</i>	<i>PTO shaft</i>	<i>Speeds gear box</i>	<i>Input speed</i>	<i>Hitch</i>	<i>Tines STD</i>	<i>Rotor blades</i>	<i>Rotor flanges</i>
RT 1270	73	30-70	80	968	Gear	Slip Clutch	Single	540	Cat. "II" Quick coupler	"L "	6	7
RT 1180	83	30-70	80	1056	Gear	Slip Clutch	Single	540	Cat. "II" Quick coupler	"C"	6	8

RT 1280 - 1207 - 1208

<i>Model</i>	<i>Work/width inches</i>	<i>Tractor HP min</i>	<i>Tractor HP max</i>	<i>Weight lbs.</i>	<i>Side Drive</i>	<i>PTO shaft</i>	<i>Speeds gear box</i>	<i>Input speed</i>	<i>Hitch</i>	<i>Tines STD</i>	<i>Rotor blades</i>	<i>Rotor flanges</i>
RT 1280	83	30-70	80	1397	Gear	Slip Clutch	Multi	540	Cat. "II" Quick coupler	"L "	6	8
RT 1207	93	40-80	100	1496	Gear	Slip Clutch	Multi	540	Cat. "II" Quick coupler	"L "	6	9
RT 1208	103	40-80	100	1584	Gear	Slip Clutch	Multi	540	Cat. "II" Quick coupler	"L "	6	10

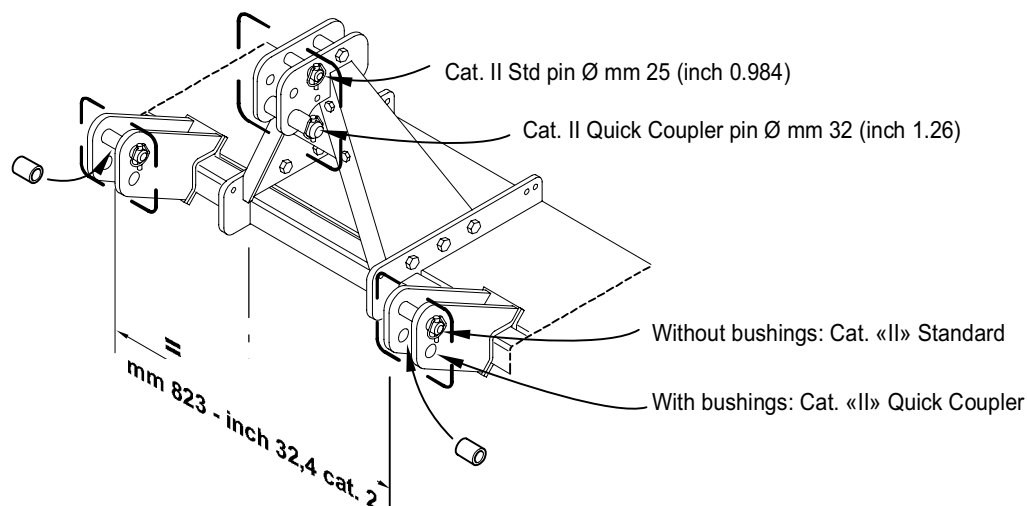
TECHNICAL SPECIFICATIONS - HITCH

RT 1170 - 1080 E: Cat. «II» Standard and Quick Coupler



Cat. «II» Standard bushings Ø = 28 (inch 1.1)
Cat. «II» Quick Coupler bushings Ø = 36,5 (inch 1.44)

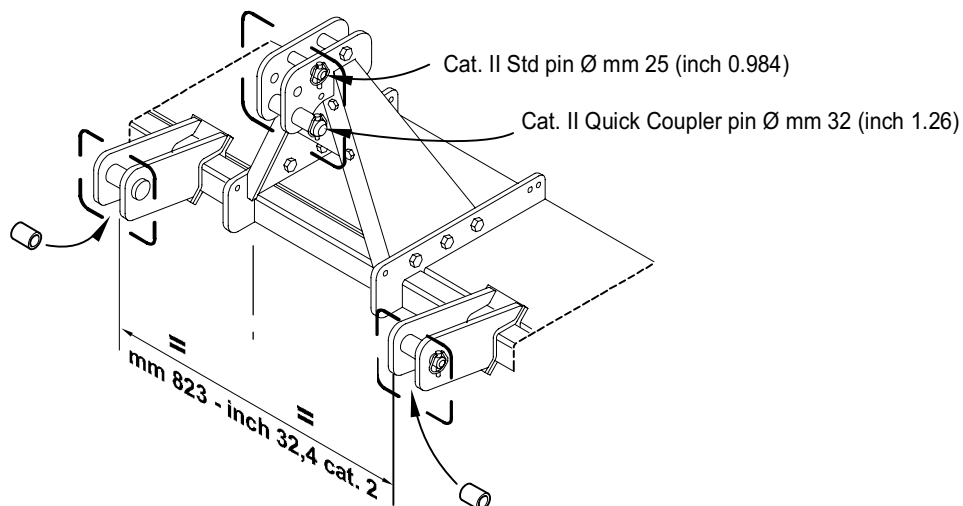
RT 1270 - 1180: Cat. «II» Standard and Quick Coupler



Without bushings: Cat. «II» Standard

With bushings: Cat. «II» Quick Coupler

RT 1280 - 1207 - 1208: Cat. «II» Standard and Quick Coupler



Without bushings: Cat. «II» Standard
With bushings: Cat. «II» Quick Coupler

SAFETY SIGNS

Safety-alert symbol

Read and recognize safety information.

Be alert to the potential for personal injury when you see this safety-alert symbol.



On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with safety-alert symbol.

DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.

Identification machine

Identification plate machine

Machine safety labels

1) WARNING: AVOID INJURY FROM ROTATING KNIVES:

- Keep hands, feet and clothing away.

2) WARNING: AVOID INJURY FROM PTO:

- Keep all shields in place. Keep hands, feet and clothing away.
- Operate only with 540 RPM.

3) CAUTION: AVOID INJURY

- Read Operator's Manual
- Ballast power unit per operator's manual
- Know location and function of controls
- Keep all shields in place
- Stay clear of power driven parts
- Never carry riders
- Keep people and pets a safe distance away from machine

BEFORE DISMOUNTING OR SERVICING

- Shut off engine and remove key
- Lock brake for park
- Lower or block up machine

4) DANGER: ROTATING DRIVELINE - CONTACT CAN CAUSE DEATH - KEEP AWAY! - DO NOT OPERATE WITHOUT:

- All driveline, tractor and equipment shields in place
- Drivelines securely attached at both ends
- Drivelines shields that turn freely on driveline.

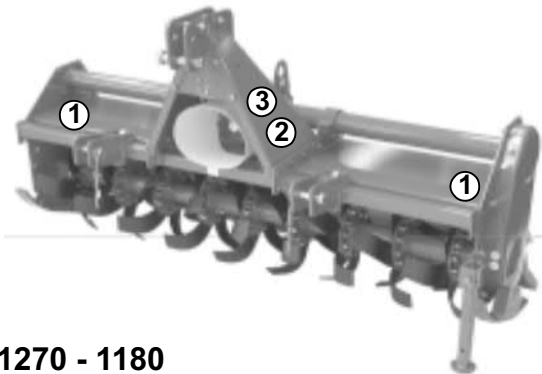
5) DANGER: SHIELD MISSING DO NOT OPERATE

Picture Note: Separate telescoping driveshaft members to locate safety label. Label attached to outer profile tube.

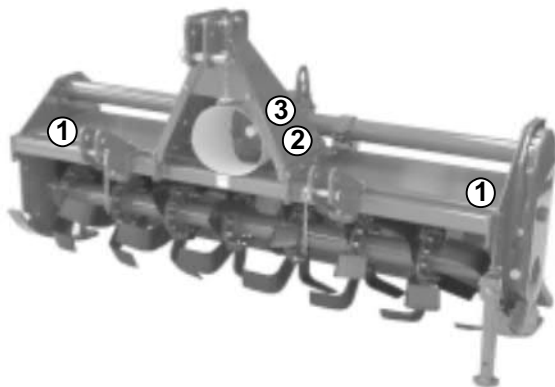


MACHINE SAFETY LABELS AND POSITIONS

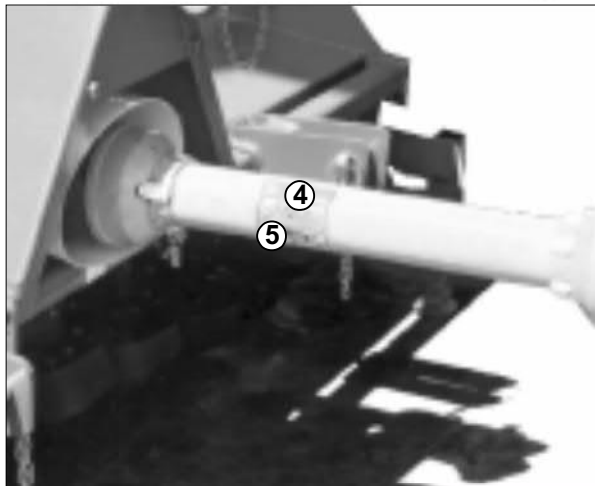
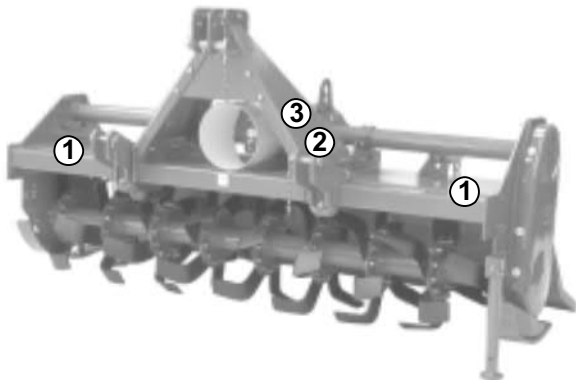
RT 1170 - 1080 E



RT 1270 - 1180



RT 1280 - 1207 - 1208



1



2



3



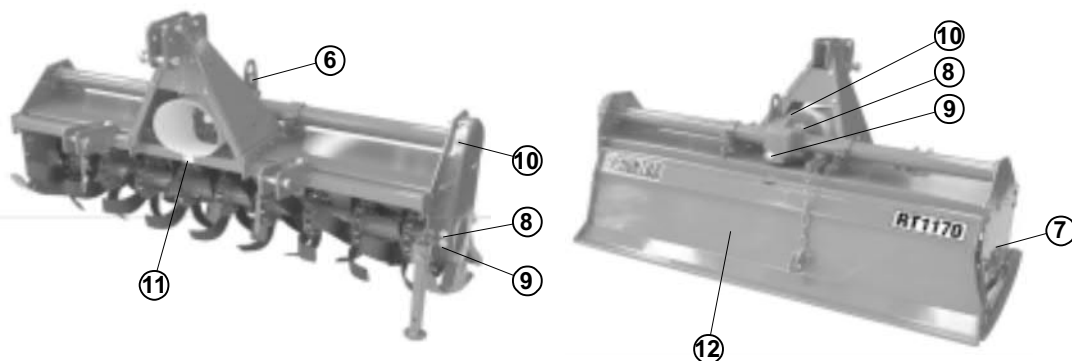
4



5

MACHINE SAFETY LABELS AND POSITIONS

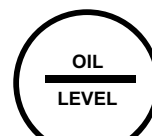
RT 1170 - 1080 E



6



7



8



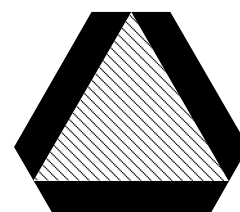
9



10



11



12

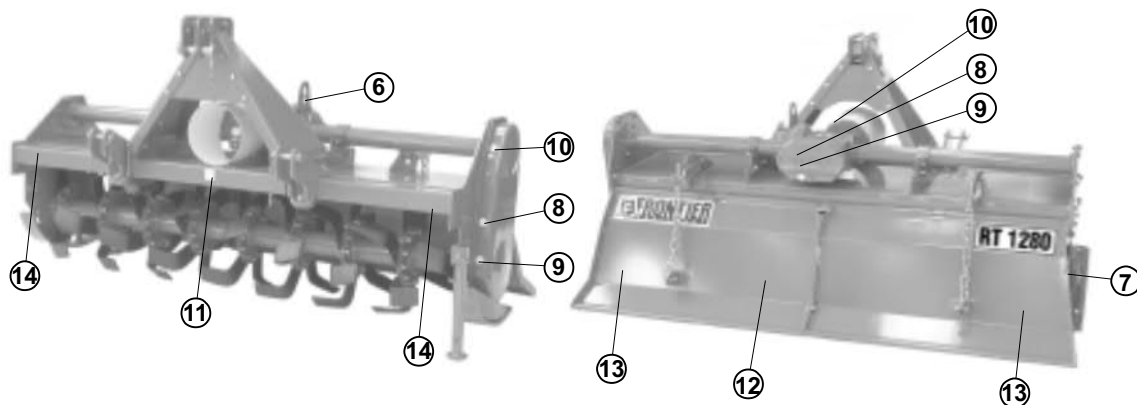
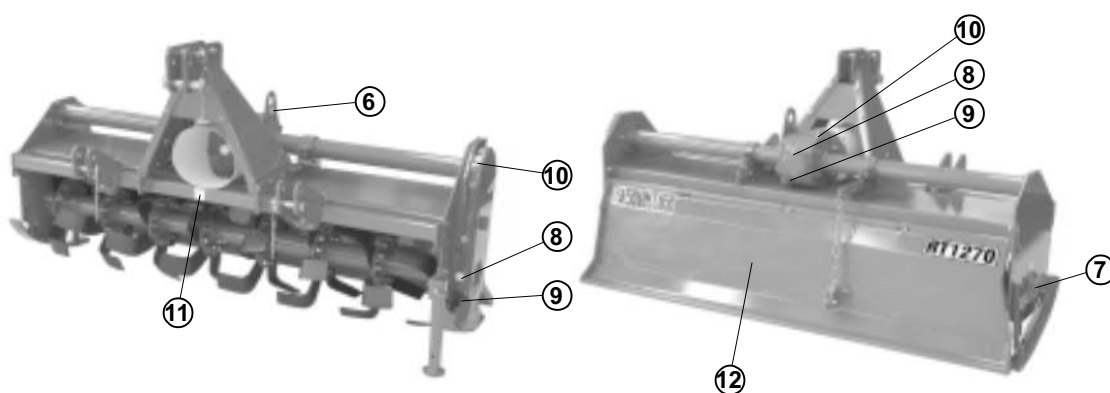


13



14

RT 1270 - 1180



- 6) Coupling point for lifting (indicating the maximum capacity)
- 7) Greasing point
- 8) Oil level plug
- 9) Oil drain plug
- 10) Oil fill plug
- 11) Number of revolutions of power takeoff
- 12) Warning, slow machine
- 13) Red strip (only for model: 1207 and 1208)
- 14) Amber strip (only for model: 1207 and 1208)

PREPARING THE VEHICLE

Preparing the tractor



CAUTION: Avoid injury. Proper ballasting is required for safe operation of your tiller

IMPORTANT: Refer to the tractor operator manual for proper ballasting information and tire inflation

- A 540 rpm PTO
- Refer to the tractor operator manual for correct ballasting and tire pressure, depending on installed equipment.

Park vehicle safety

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

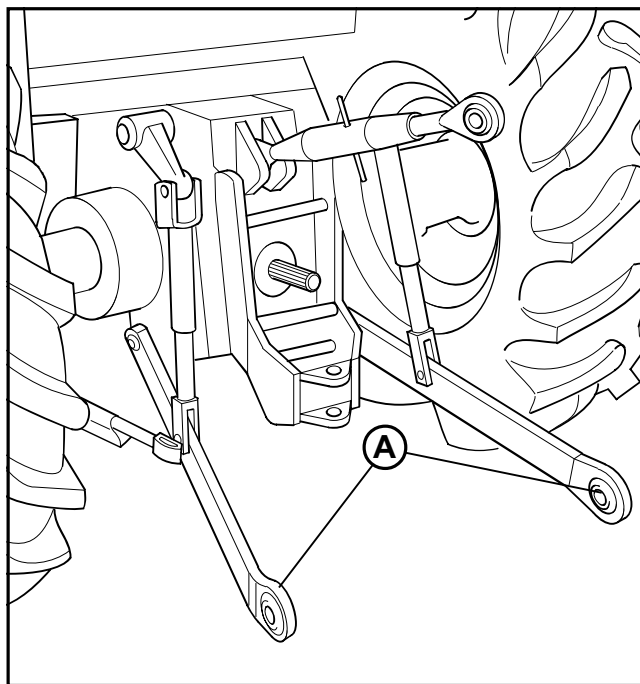
Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death:

- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.

Installing tiller on tractor

1. Back tractor into position and align draft links (A) with draft link brackets on tiller using tractor rockshaft control.



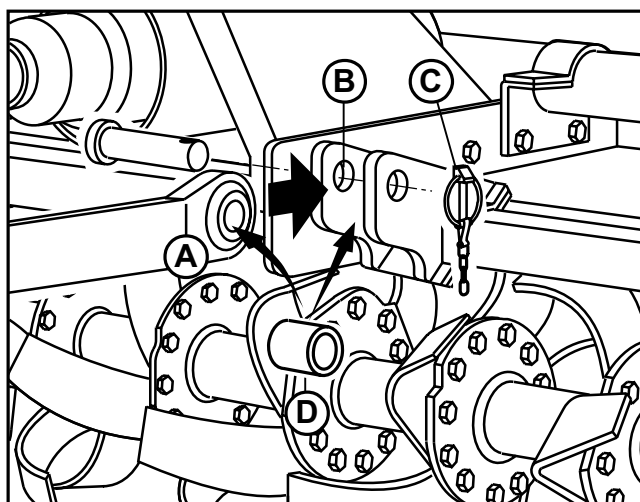
CAUTION: Before you work around hitch:

- STOP engine.
- LOCK park brake.
- FIRMLY block tiller on horizontal surface.

Locate driller pin in holes (B).

RT 1170 - 1080 E model:

2. Insert bushings (D) in each draft links then fasten each draft link to draft link brackets with drilled pins and quiklock pins (C).



For cat. «I» Standard bushings $\varnothing = 28$ (inch 1.102)

For cat. «I» Quick Coupler bushings $\varnothing = 36,5$ (inch 1.437)



Suggest:

If the above button click is invalid.

Please download this document first, and then click the above link to download the complete manual.

Thank you so much for reading

INSTALLING

Locate driller pin in top lift brackets holes (B).

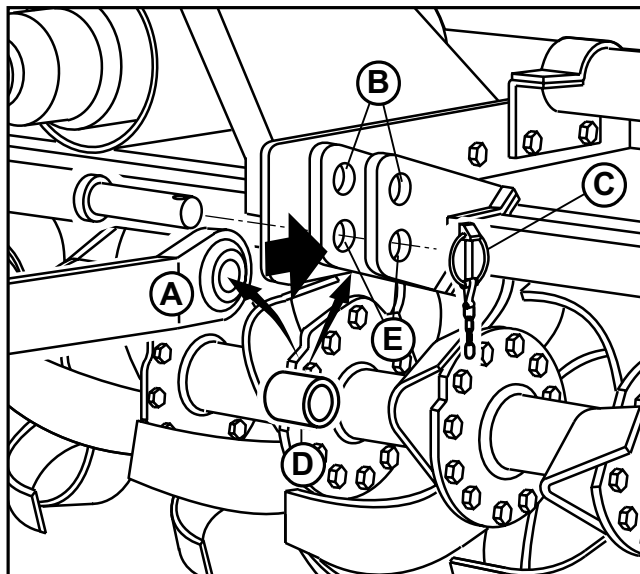
RT 1270-1180 model (Cat. «II» Std.):

2. Fasten each draft link (A) to draft link brackets with drilled pins and quiklock pins (C).

Locate driller pin in lower lift brackets holes (E).

RT 1270-1180 model (Cat. «II» Quick Coupler):

2. Insert bushings (D) in each draft links (A) then fasten each draft link to draft link brackets with drilled pins and quiklock pins (C).



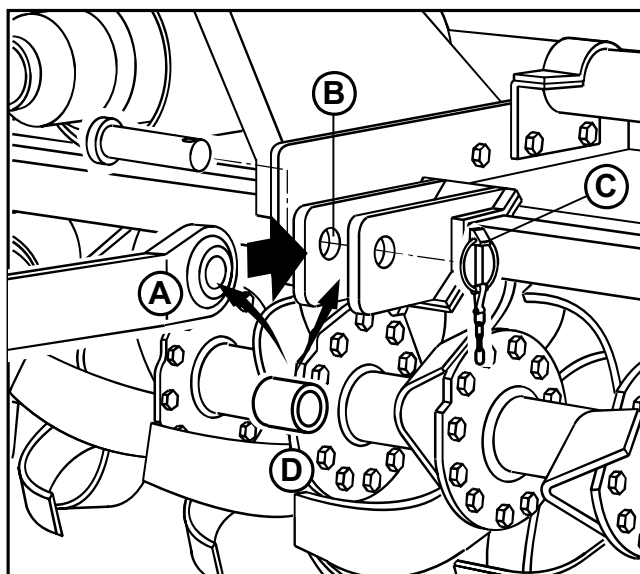
Locate driller pin in holes (B).

RT 1280-1207-1208 model (Cat. «II» Std.):

2. Fasten each draft link (A) to draft link brackets with drilled pins and quiklock pins (C).

RT 1280-1207-1208 model (Cat. «II» Quick Coupler):

2. Insert bushings (D) in each draft links (A) then fasten each draft link to draft link brackets with drilled pins and quiklock pins (C).



Locate driller pin in top holes (D)

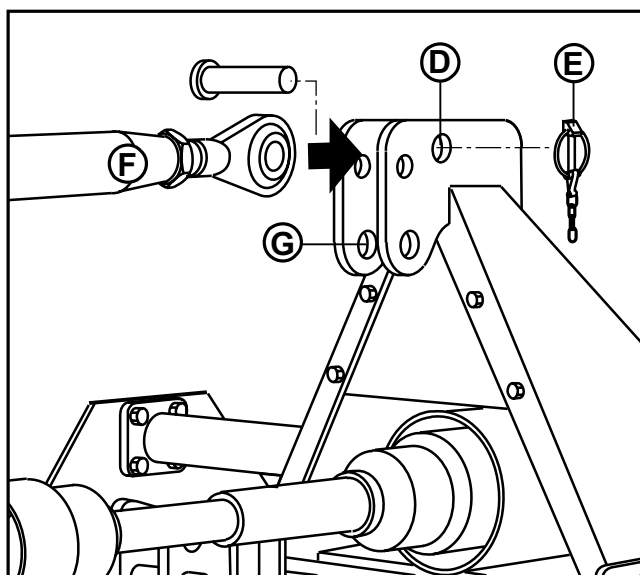
RT 1280-1207-1208 model (Cat. «II» Std.):

3. Install center link (F) on tiller and fasten with drilled pin and quiklock pin (E).

Locate driller pin in top holes (G)

RT 1280-1207-1208 model (Cat. «II» Quick Coupler):

3. Install center link (F) on tiller and fasten with drilled pin and quiklock pin (E).



<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>