

TILMOR

OPERATORS MANUAL

PLASTIC LAYER AB-410



Manufactured by
Tilmor LLC.
Made in the USA
Dalton, Ohio 44618



**295 Kurzen Rd. N
Dalton, OH 44618
www.tilmor.com**

Visit www.tilmor.com for the latest version of this operator's manual.

A downloadable parts manual is also available.

To the Owner Contact Information and Product Identification

If contacting Tilmor for information about servicing your product please provide the product and serial numbers.

Please complete the following information for future reference. See the pictures below to find the location of the identification numbers.

Date of Purchase: _____

Dealer / Distributor: _____

Dealer / Distributor Address: _____

Dealer / Distributor Phone Number: _____

Model# (A): _____
Serial# (B): _____
Engine Serial# (C): _____

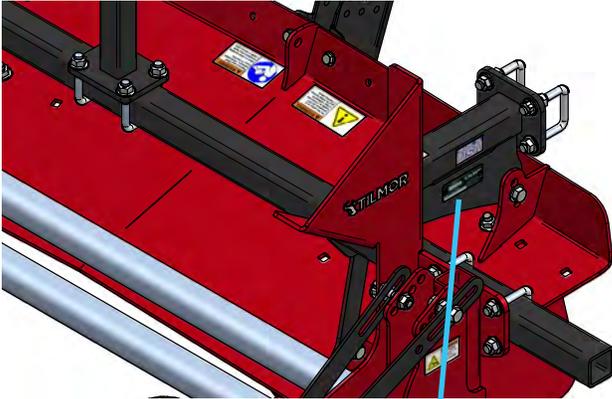


TABLE OF CONTENTS

INTRODUCTION	PAGE 5
Product Description.....	5
Using Your Manual.....	6
SAFETY	PAGE 7
Safety Decals.....	7
Training Required.....	9
Personal Protective Equipment Requirements.....	9
Operation Safety.....	9
Preventing Accidents.....	10
Keep Riders Off.....	10
Truck or Trailer Transport.....	11
Maintenance.....	11
Plastic Layer Safety Procedures.....	12
ASSEMBLY	PAGE 13
Initial Assembly.....	13
Plastic Layer Installation on Toolbar.....	14
Standard Operational Controls.....	15
Press Wheels.....	15
Closing Discs.....	15
Plastic Rollers.....	16
OPERATIONAL CONTROLS	PAGE 16
Plastic Storage.....	16
Drip Tape Reel.....	16
Plastic Tensioner.....	16
Drip Tape Trencher.....	17
Shaping Pan Angle Adjustment.....	17
Shaping Pan Width Adjustment.....	17
Moving Plastic Rollers.....	18
Soil Preparation.....	18
Daily Inspection.....	18
Operating Procedure.....	19
GENERAL OPERATION	PAGE 19
SERVICE	PAGE 20
Cleaning and General Maintenance.....	20
Lubrication Locations.....	20
SPECIFICATIONS	PAGE 21
Dimensions.....	21
Features.....	21
WARRANTY	PAGE 22
Return Policy & Procedure.....	22
Warranty.....	22

INTRODUCTION



Tilmor LLC. is pleased to provide you with your new Tilmor plastic layer!

Please visit our website, www.tilmor.com for a complete list of available Tilmor products, and resources.

Product Description

The Tilmor plastic layer is a modular design for laying 3-5' plastic and up to two rows of standard drip tape. The innovative design of the plastic layer is highly adjustable. The operator can easily make adjustments to get the best results based on specific conditions.

Why Do I Need an Operator's Manual?

This manual has been created to help you gain the important knowledge of what is needed to safely operate, maintain, and service your machine. It is divided into sections for convenient reference of the appropriate section.

You must read and understand the operator's manual for each piece of Tilmor equipment you own. Reading the operator's manual will help you become familiar with each specific piece of equipment. Understanding the operator's manual will help you, as well as others, avoid personal injury and/or damage to the equipment. Keep this manual with the machine at all times. The manual should remain with the machine even if it is sold. If this manual becomes damaged or unreadable, it should be replaced immediately. This manual is available on our website at www.tilmor.com

When using a Tilmor attachment, be sure to read and follow the safety and operating instructions of both the power unit and the attachment being used to ensure the safest operation possible.

The information in this manual provides the operator with the safest procedures to operate the machine while getting the maximum use out of the unit. Failure to follow the safety precautions listed in this manual may result in personal injury and/or damage to the equipment.

INTRODUCTION

Using Your Manual

Throughout this manual, you will encounter special messages and symbols that identify potential safety concerns to help you as well as others avoid personal injury or damage to the equipment.

SYMBOL DEFINITIONS



Attention

This symbol identifies potential health and safety hazards. It marks safety precautions. Your safety and the safety of others is involved.

There are three signal words that describe the level of safety concern: Danger, Warning, and Caution. Safety should always be the #1 priority when working on or operating equipment. Accidents are more likely to occur when proper operating procedures are not followed or inexperienced operators are involved.

Note: Right-Hand and Left-Hand orientations may be referred to at different places throughout this manual. Right-Hand and Left-Hand is determined as if facing forward from the operator station.

SIGNAL WORD DEFINITIONS

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 cases.

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 and/or property damage. It may also be used to alert against unsafe practices.

Manual Glossary

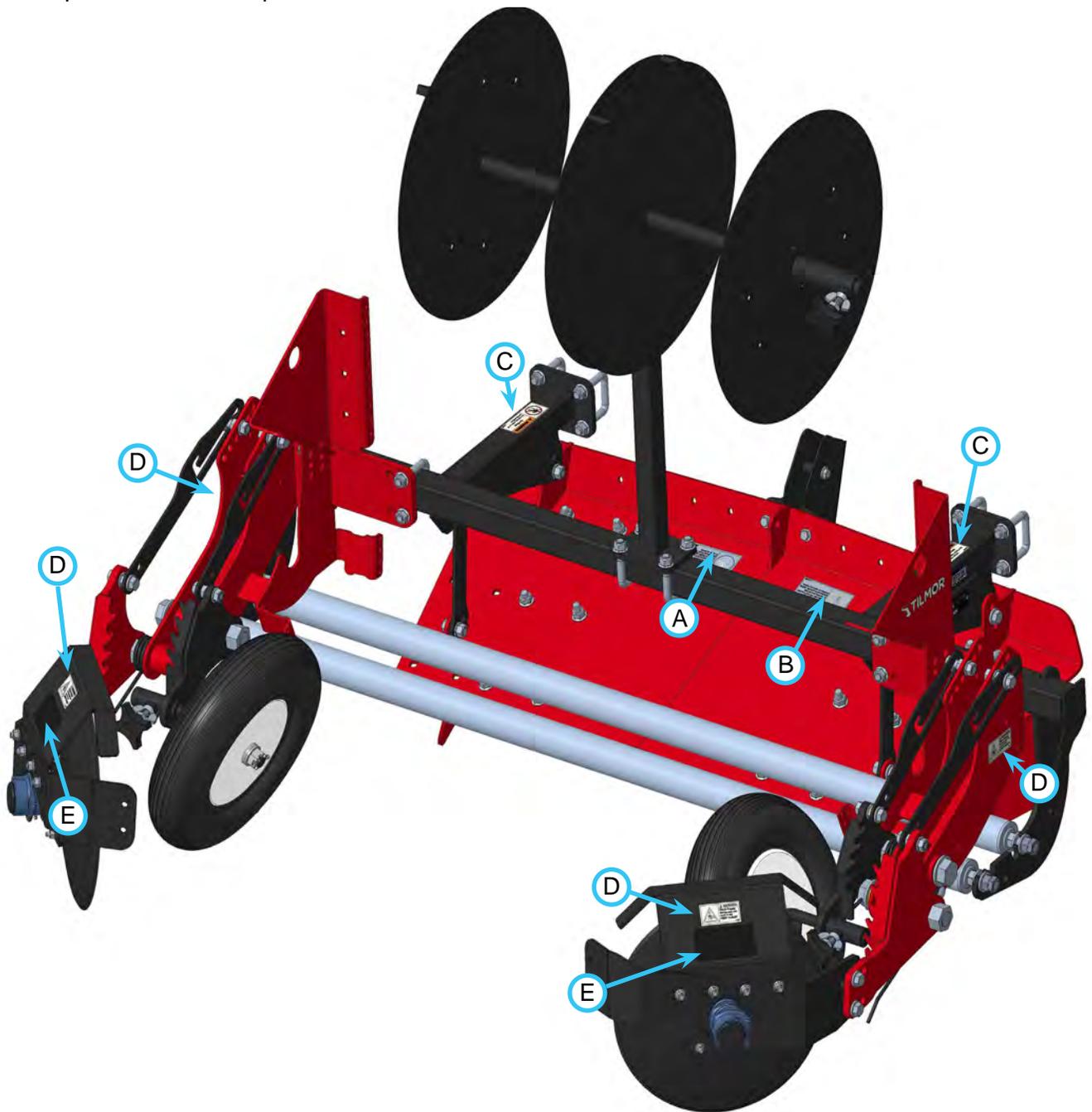
- Implement** A piece of Tilmor equipment that requires a Tilmor tractor for operation.
- Accessory** A device that attaches to a Tilmor tractor or Implement to extend its capabilities.
- Machine** Describes any "Implement" or "Accessory" that is used in conjunction with a Tilmor tractor.

SAFETY

Safety Decals

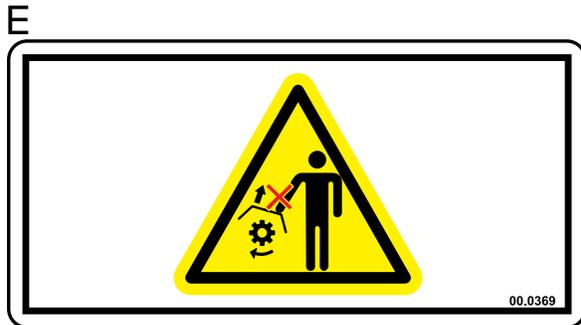
The following safety decals must be maintained on your plastic layer.

Keep all safety decals legible. Remove all grease, dirt, and debris from safety decals and instructional labels. If any decals are faded, illegible, or missing, visit www.tilmor.com or call 1-844-255-5864 for replacements. When replacement or new components are installed, be sure that current safety decals are affixed to the replacement or new part.



SAFETY

General Safety Procedures for Tilmor Tractors, Implements, & Accessories



Decal	Description	Part Number	Quantity
A	Warning - Read Owners Manual	00-0217	1
B	Warning - General Safety	00-0220	1
C	Warning - No Step	00-0502	2
D	Warning - Pinch Point	00-0218	4
E	Do Not Remove Shields	00-0369	2

SAFETY



General Safety Procedures for Tilmor Tractors, Implements, & Accessories



Training Required

- The owner of this machine is solely responsible for properly training the operators.
- The owner/operator is solely responsible for the operation of this machine and prevention of accidents or injuries occurring to him/herself, other people, or property.
- Do not allow operation or service by children or untrained personnel. Local regulations may restrict the age of the operator.
- Before operating this machine, read the operator's manual and understand it's contents.
- If the operator of the machine cannot understand this manual, then it is the responsibility of this machine's owner to fully explain the material within this manual to the operator.
- Learn and understand the use of all of the controls.
- Know how to stop the power unit and all attachments quickly in the event of an emergency.



Personal Protective Equipment Requirements

It is the responsibility of the owner to be sure that the operators use the proper personal protective equipment while operating the machine. Required personal protective equipment includes but is not limited to the following list.



- Wear a certified ear protection device to prevent the loss of hearing.
- Prevent eye injury by wearing safety glasses while operating the machine.
- Closed toe shoes must be worn at all times.
- Long pants must be worn at all times.
- When operating in dusty conditions, it is recommended that a dust mask be worn.

Operation Safety

- Inspect all equipment before operation. Repair or replace any damaged, worn, or missing parts. Be sure all guards and shields are in proper working condition and are secured in place. Make all of the necessary adjustments before operating the machine.
- Some pictures in this manual may show shields or covers opened or removed in order to clearly illustrate any instructions. Under no circumstance should the machine be operated without these devices in place.
- Alterations or modifications to this machine can reduce safety and could cause damage to the machine. Do not alter safety devices or operate with shields or covers removed.
- Before each use, verify that all controls function properly and inspect all safety devices. Do not operate if controls or safety devices are not in proper working condition.
- Check the parking brake function before operating. Repair or adjust the parking brake if necessary.
- Observe and follow all safety decals.
- All controls are to be operated from the operator's station only.
- Always wear a seat belt if the machine has a roll cage/bar installed and in the upright position.
- Ensure all attachments or accessories are locked or fastened securely before operation.
- Ensure that all bystanders are clear of the machine before operation. Stop the machine if someone enters your work area.
- Always be alert to what is happening around you, but do not lose focus to the task you are performing. Always look in the direction the machine is moving.
- Look behind and down before backing up to be sure of a clear path.
- If you hit an object, stop and inspect the machine. Make all necessary repairs before continuing operation of the machine.
- Stop operation immediately at any sign of equipment failure. An unusual noise can be a warning of equipment failure or a sign that maintenance may be required. Make all necessary repairs before continuing operation of the machine again.

SAFETY



General Safety Procedures for Tilmor Tractors, Implements, & Accessories



Operation Safety (continued)

- If equipped with a high/low range feature, never shift between high and low range while on a slope.
- Do not leave the machine unattended while it is running.
- Always park the machine on level ground.
- Always shut off the engine when connecting the attachments drive belt to the power unit.
- Never leave the operator's station without lowering the attachment to the ground, setting the parking brake, shutting off the engine, and removing the ignition key. Make sure all moving parts have come to a complete stop before dismounting.
- Never leave equipment unattended without lowering the attachment to the ground, setting the parking brake, shutting off the engine, and removing the ignition key.
- Only operate in well-lit conditions.
- Do not operate when there is a risk of lightning.
- Never direct the discharge of any attachment in the direction of people, buildings, animals, vehicles, or other objects of value.
- Never discharge material against a wall or obstruction. Material may ricochet back towards the operator.
- Use extra caution when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- Do not run the engine in a building without adequate ventilation.
- Do not touch the engine or the muffler while the engine is running or immediately after stopping the engine. These areas may be hot enough to cause a burn.
- Do not change the engine governor settings or over-speed the engine. Operating the engine at excessive speed may increase the hazard of personal injury.
- To reduce the hazard of fire, keep the battery compartment, engine, and muffler areas free of grass, leaves, excessive grease, and other flammable materials.

Preventing Accidents



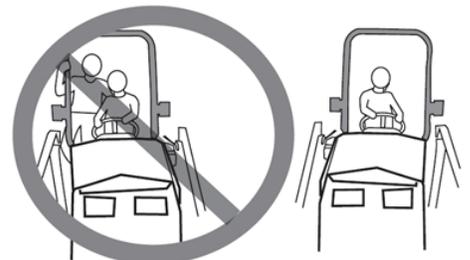
- Clear working area of objects that might be hit or thrown from the machine.
- Keep people and pets out of working areas.
- Know the work area well before operation. Do not operate where traction or stability is questionable.
- Reduce speed when you are operating over rough ground.
- Equipment can cause serious injury and or death when improperly used.
- Before operating understand the operation and safety of the power unit and attachment being used.



- Do not operate the machine if you are not in good physical and mental health, if you will be distracted by personal devices, or are under the influence of any substance that may impair decision, dexterity, or judgement.
- Children are attracted to machine activity. Be aware of children and do not allow them in the working area. Turn off the machine if a child enters the work area.

Keep Riders Off

- Only allow the operator on the power unit. Keep riders off.
- Never allow riders on any attachment or accessory.



SAFETY



General Safety Procedures for Tilmor Tractors, Implements, & Accessories



Truck or Trailer Transport

- Use full width ramps for loading the machine into a truck or trailer.
- The parking brake is not sufficient to lock the machine during transport. Always secure the power unit and/or attachment to the transporting vehicle securely using straps, chains, cable, or ropes. Both front and rear straps should be directed down and outward from the machine.
- Shut off fuel supply to the power unit during transport on a truck or trailer.
- If equipped, turn the battery disconnect switch to the Off position to shut off electrical power.

Maintenance

- Keep all safety decals legible. Remove all grease dirt, and debris from safety decals and instructional labels.
- If any decals are faded, illegible, or missing, contact your dealer promptly for replacements.
- When new components are installed, be sure that current safety decals are affixed to the replacement components.
- If any component requires replacement use only original Tilmor replacement parts.
- Always turn the battery disconnect to the Off position or disconnect the battery before performing any repairs. Disconnect the negative terminal first and the positive terminal last. Reconnect the positive terminal first and the negative terminal last.
- Keep all bolts, nuts screws and other fasteners properly tightened.
- Always lower the attachment to the ground, engage parking brake, shut off engine, and remove the ignition key. Make sure all moving parts have come to a complete stop before cleaning, inspection, adjusting, or repairing.
- Never perform maintenance on the power unit and/or attachment if someone is in the operator's station.
- Always use protective glasses when handling the battery.
- Check all fuel lines for tightness on a regular basis. Tighten or repair them as needed.
- To reduce the hazard of fire, keep the battery compartment, engine, and muffler areas free of grass, leaves and excessive grease.
- Do not touch the engine, the muffler, or other exhaust components while the engine is running or immediately after stopping the engine. These areas may be hot enough to cause a burn.
- Allow the engine to cool before storing and do not store near an open flame.
- Do not change the engine governor settings or over-speed the engine. Operating engine at excessive speed may increase the hazard of personal injury.
- Springs may contain stored energy. Use caution when disengaging or removing springs and/or spring loaded components.
- An obstruction or blockage in a drive system or moving/rotating parts may cause a build up of stored energy. When the obstruction or blockage is removed, the drive system or moving/rotating parts may move suddenly. Do not attempt to remove an obstruction or blockage with your hands. Keep hands, feet, and clothing away from all power driven parts.
- Dispose of all fluids in accordance with local laws.

SAFETY



Plastic Layer Safety Procedures



- Do not remove any safety guards.
- Do not operate the plastic layer without all shields properly installed.
- Moving parts can cause injuries keep hands and feet clear of moving parts.
- Pinch points; some parts can pinch or crush. Keep clear of moving parts and use caution when adjusting the plastic layer.
- Do not ride, step, sit, or stand on any part of the plastic layer or toolbar to which the plastic layer is attached.
- Clear the area of all obstacles, hazards, and personnel before operating the plastic layer.

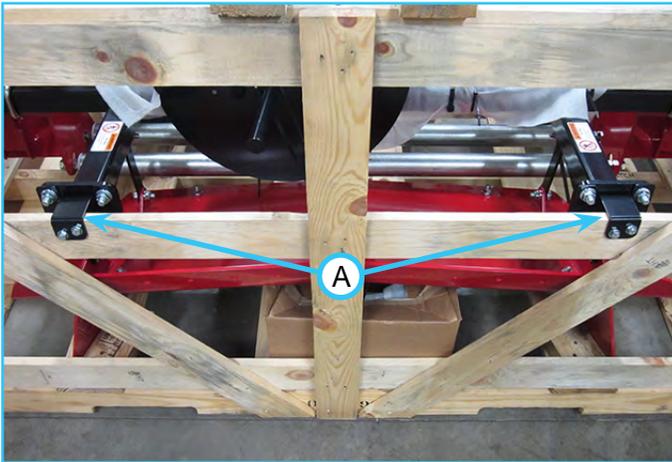
ASSEMBLY

Initial Assembly

Upon receiving the Tilmor plastic layer there is some assembly and setup required. The following procedure will walk you through the assembly and basic set up of the plastic layer.

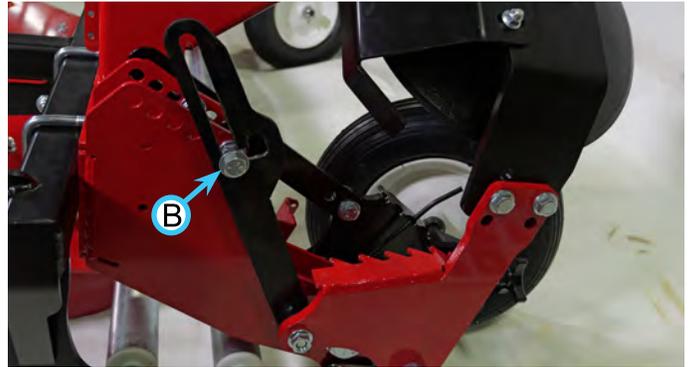
Assembly Kit Contents		
Part #	Description	Qty.
AB-9011	Drip Trencher	1
11-0085	U-bolt 1/2"-13 x 2-1/16" x 3" SQ	6
90-0608	Bolt 3/8" - 16 USS x 1	2
95-06	Washer, Flat 3/8" SAE	2
99-E0082	Nut, Locking Flange 3/8" - 16	2
99-SF08	Nut, SRF 1/2-13 USS	12

1. Remove the two shipping (A) brackets from the crate and plastic layer.



2. Remove the top and sides of the crate.
3. Remove the zip ties securing the reel assembly to the top of the plastic layer and set the reel assembly to the side.
4. Remove the box located on the bed shaping pan and set to the side. The assembly kit contents are inside the box.
5. Using a hoist or multiple individuals lift the plastic layer from the skid and place on flat level surface.

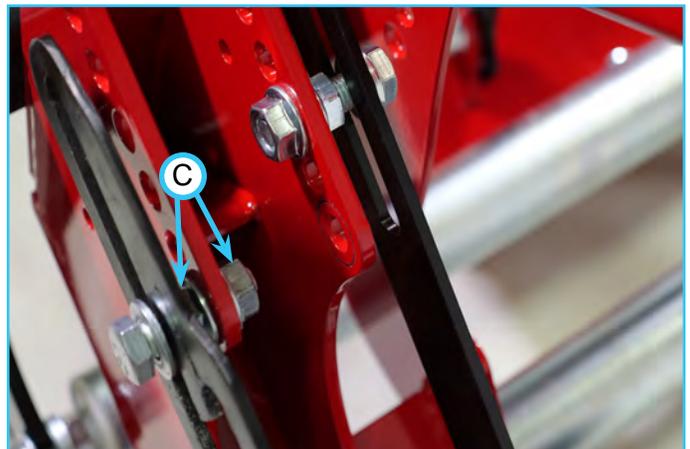
6. Remove the 1/2" bolt (B) from the disc bracket link.



7. Rotate the disc bracket forward so the disc is resting on the ground.
8. Reinstall 1/2" bolt through the disc bracket link slot as shown below.



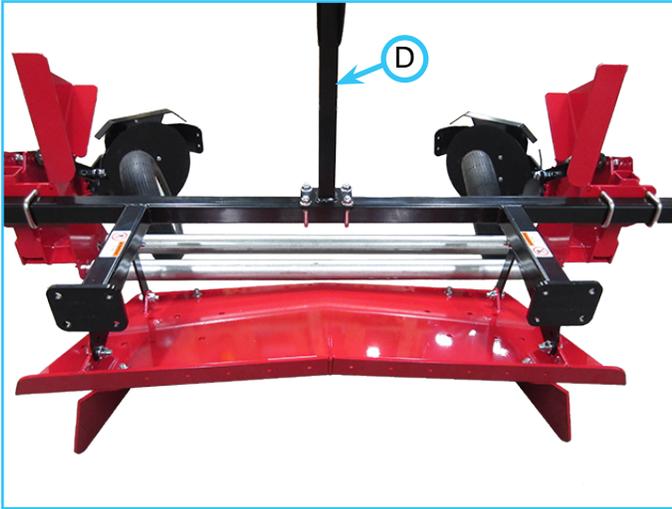
9. Ensure that the 1/2" flange nuts (C) are tightened securely as shown below.



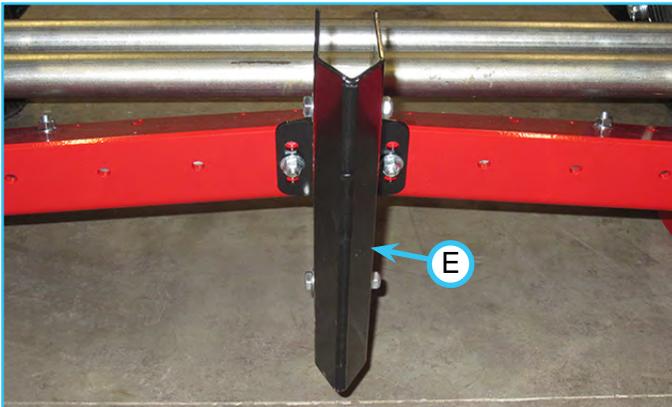
10. Repeat steps 6 through 9 for the other side.

ASSEMBLY

11. If drip tape is to be used, install Drip Tape Reel. Position the drip tape reel (D) centered on the plastic layer main frame tube for dual drip tape applications. Offset the reel to one side for single application.



12. Secure the drip tape reel in place using two 1/2" u-bolts and four 1/2" flange nuts from the box.
13. Torque the flange nuts to 75 ft-lbs (102 Nm).
14. Position the drip tape trencher (E) against the front of the bed shaper aligning the mounting holes. NOTE: If two drip tape trenchers will be installed offset the trencher left or right as required.



15. Secure the drip tape trencher in place using two 3/8" bolts, 3/8" flat washers, and 3/8" locking flange nuts.
16. Torque the flange nuts to 31 ft-lbs (42 Nm).

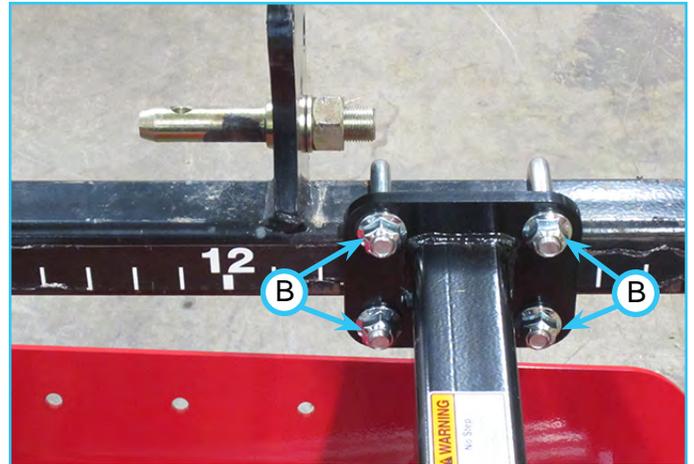
Plastic Layer Installation on Toolbar

The plastic layer is designed to be mounted on a 2" toolbar.

1. Position the plastic layer against the toolbar in the desired mounting location.
2. Place two u-bolts (A) around the tool bar and through the mounting plate.



3. Secure the u-bolts in place using four 1/2" locking flange nuts (B). Torque the nuts to 75 ft-lbs (102 Nm).

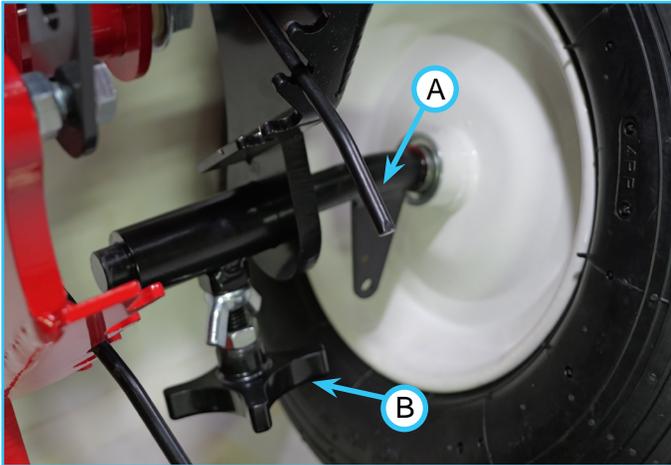


OPERATIONAL CONTROLS

Standard Operational Controls

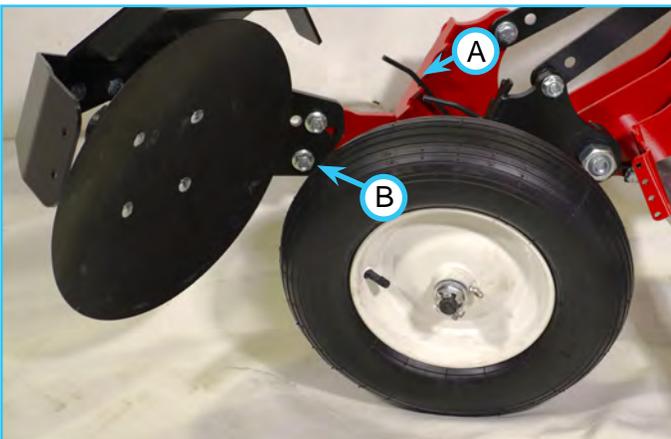
Press Wheels

The press wheels should run across the bottom of the furrow to stretch the plastic effectively. The press wheels are fully adjustable. Down pressure can be adjusted by adjusting the torsion spring (A) or adjusting the position of the wheel by loosening the knob (B).



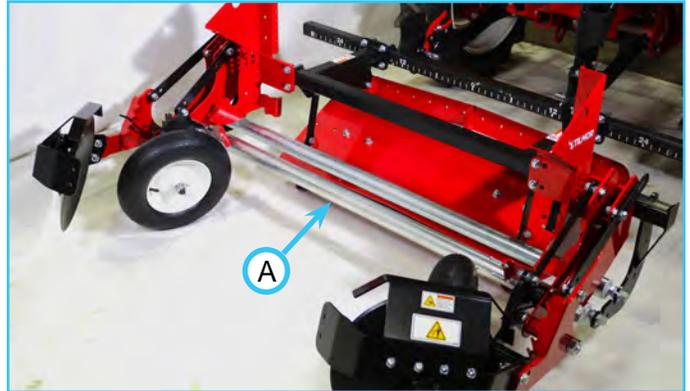
Closing Discs

The closing discs cover the edge of the plastic mulch with soil holding it to the ground. Down pressure can be adjusted by adjusting the torsion spring (A). The angle of the disc can be adjusted by adjusting the mounting bolt (B) to another position.

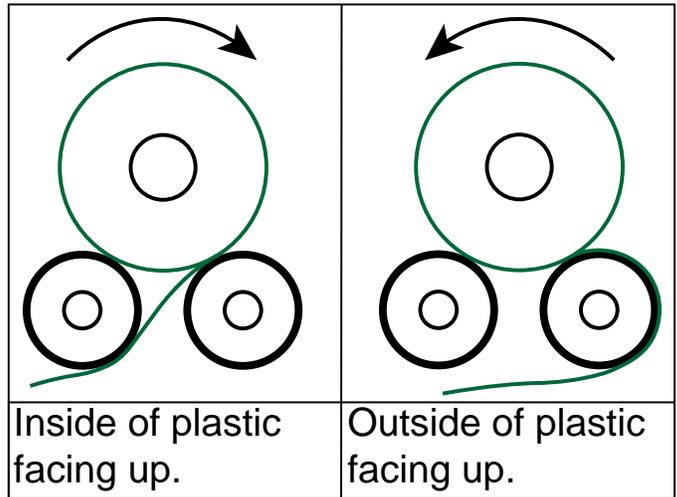


Plastic Rollers

The plastic rollers (A) allow the plastic to roll and be applied to the top of the bed.



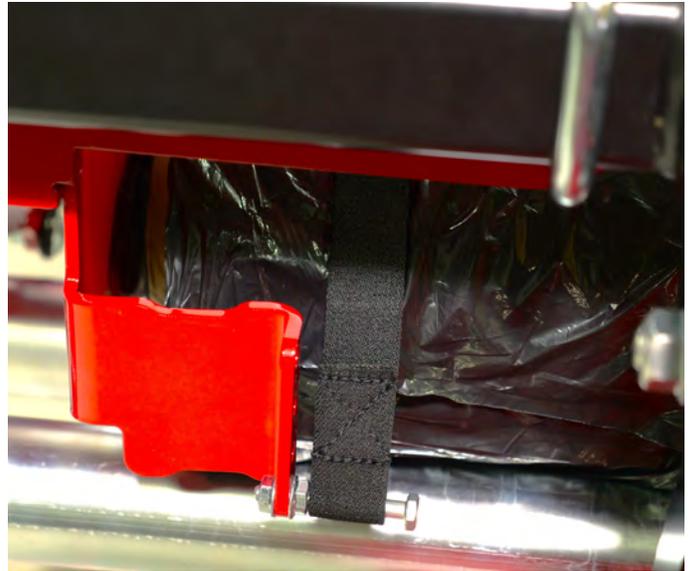
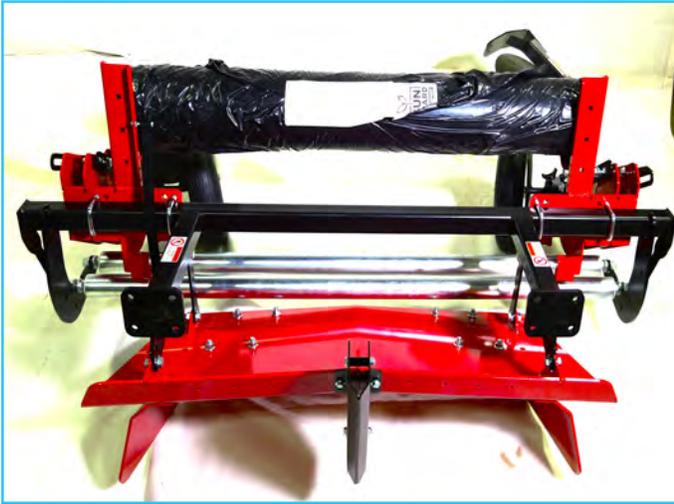
The roll of plastic can be placed on the rollers and routed through the rollers in two different ways. Depending on the type of plastic and color required to be facing upwards.



OPERATIONAL CONTROLS

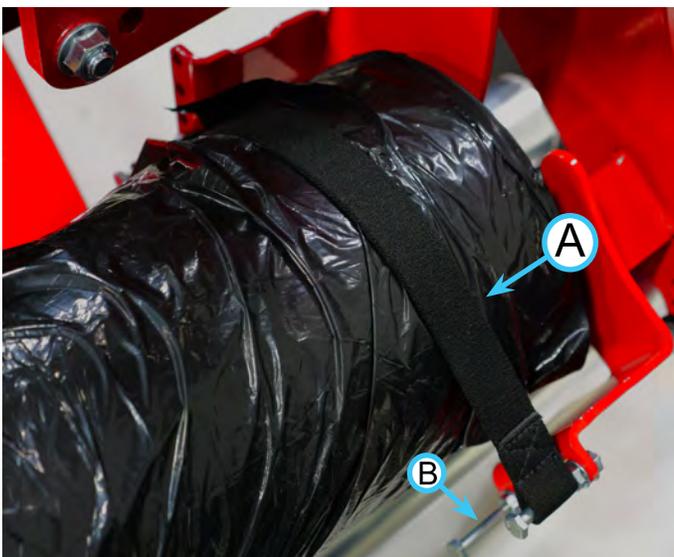
Plastic Storage

An additional roll of plastic can be stored for later use as shown below.



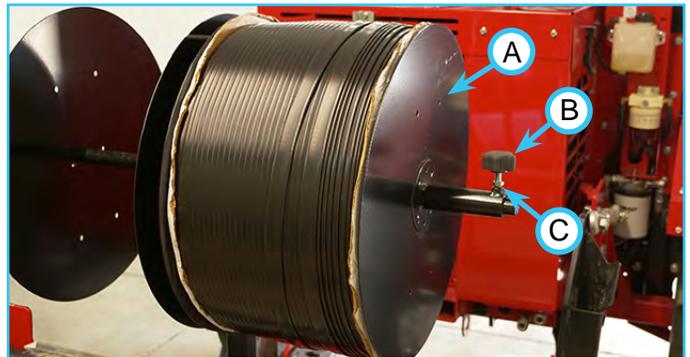
Plastic Tensioner

Sometimes the plastic needs to be under some tension to stretch out tight over the bed. The plastic layer comes with a piece of friction material that is made to put constant pressure on the plastic roll. This pressure is adjustable by moving the friction material (A) to a different bolt (B). The friction material will stay tight against the plastic even as the plastic roll gets smaller with use.



Drip Tape Reel

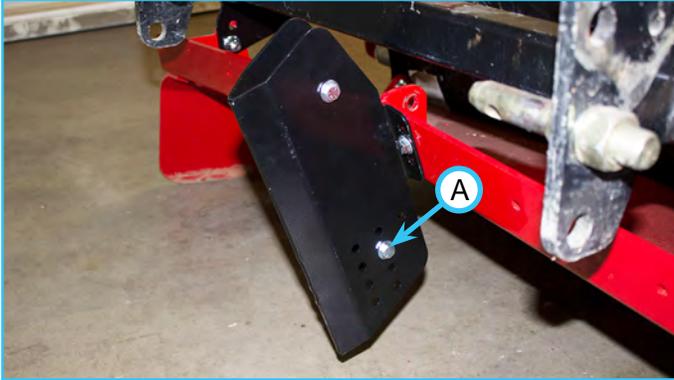
The drip tape reel is designed to hold two rolls of drip tape at a time. The reel can be adjusted left and right on the frame to accommodate dual or single drip tape applications. The tension can be adjusted by placing the friction plate (A) tight or loose against the drip tape roll. Loosen the knob (B) and jam nut (C).



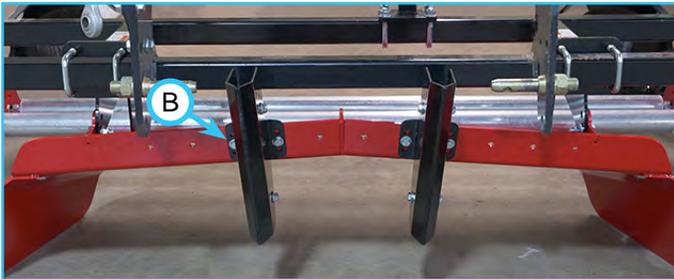
OPERATIONAL CONTROLS

Drip Tape Trencher

The drip tape trencher is mounted to the front of the bed shaping pan. The trencher places the drip tape into the top 1-2" of the bed. The lower slide can be adjusted to different positions by removing the flange nut (A) and through bolt. Select the desired position and reinstall the through bolt and flange nut.

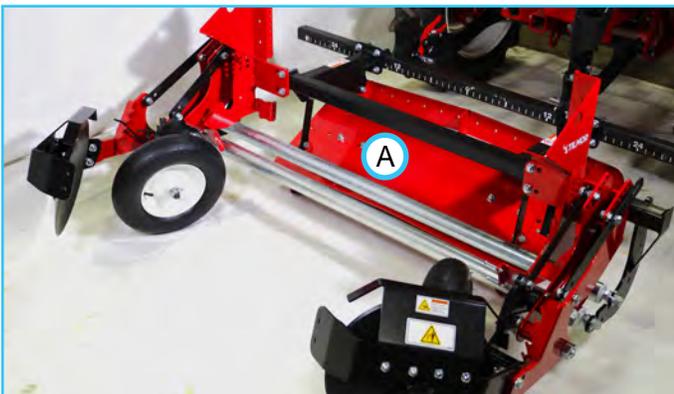


The depth of the drip tape trencher can be adjusted by removing the mounting hardware (B) and selecting a different mounting hole on the drip tape trencher. Dual drip tape trenchers can be attached to the bed shaping pan as shown below.



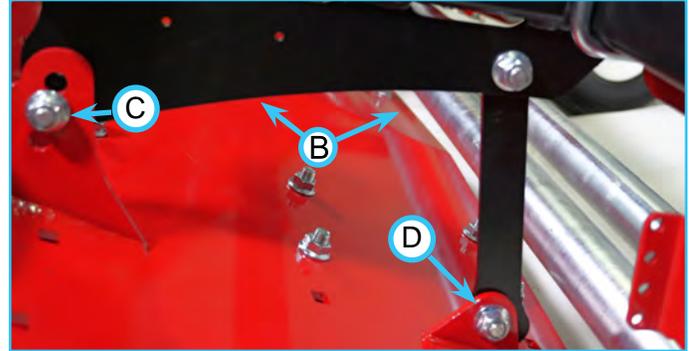
Bed Shaping Pan

The adjustable bed shaping pan (A) is designed to make 35-59" beds 4-6" deep. The plastic layer is set from the factory to shape a 30" bed using 4' plastic.



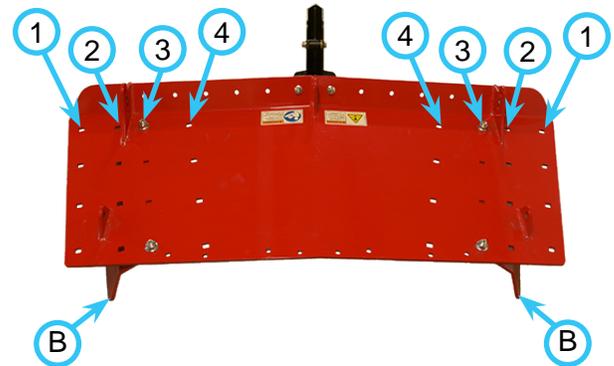
Shaping Pan Angle Adjustment

The depth of the bed can be adjusted by adjusting the top link and by adjusting the position of the bed shaping pan. The front of the bed shaping pan can be adjusted up or down by moving the position of the mounting bolt (C). The rear of the bed shaping pan can be adjusted up or down by moving the position of the mounting bolt (D). The depth of the bed will depend greatly on the consistency and type of soil being shaped.



Shaping Pan Width Adjustment

The width of the bed can be adjusted by moving the side forms (B) in or out on the bed shaping pan.



The side forms can be placed in four different positions. The position of the side forms determines the bed width. The bed width determines the plastic width needed. The table below describes the bed width and plastic width configurations. The six extra bolts installed in the shaping pan are just for plugging the holes to keep dirt off the top of the shaper.

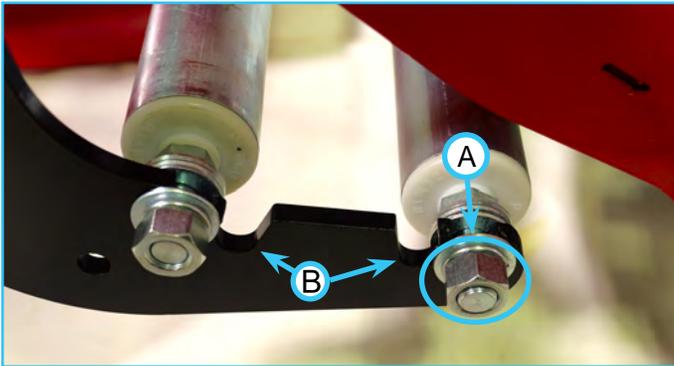
Position	Bed Width	Plastic Width
1	42"	5'
2	36"	
3	30"	4'
4	22"	3' / 1m

OPERATIONAL CONTROLS

Moving Plastic Rollers

The rollers can be moved to different slots to accommodate rolls of plastic with different core tube diameters.

1. Loosen the roller axle mounting hardware (A).



2. Move the roller to a different slot (B) keeping the spacer washers in the same order.
3. Retighten the roller axle mounting hardware.

Soil Preparation

There are many different soil types. Some soil types will require more work than others to form the ideal bed. To build the ideal bed the soil must be worked properly. Soil conditions should be as close to ideal as possible to form a consistent firm bed with no hollow spots on the top of the bed.

- The soil should be tilled 6-8" or 2-4" deeper than the desired bed height.
- Work the soil into a uniform consistency.
- Do not prepare the soil when it is overly dry or muddy.

Pre-shaping the beds is **required**. Using a combination of tillage equipment to form a bed before using the bed shaper will provide the best results. If laying plastic it may be necessary to make a pass just shaping the bed first and then a second pass laying the plastic. The image below shows an example of pre-shaping the bed using a set of hiller discs and spyders mounted on the Tilmor 520 series tractor mid mount.



Daily Inspection

⚠ WARNING

Always set the parking brake, shut off power unit engine, remove the ignition key, and ensure all moving parts have come to a complete stop before inspecting components, or attempting any repair or adjustment.

1. Park the power unit on a level surface, with the engine shut off and all fluids cold.
2. Refer to the power unit operator's manual. Check the power unit's engine oil, hydraulic oil, cooling system, tire pressure, and fuel level. Add fluid or service as required.
3. Perform a visual inspection of both the power unit and the plastic layer. Look for loose or missing hardware, damaged components, or signs of wear.
4. Grease the press wheels. Reference lubrication locations in the service section of this manual as required.
5. Grease the closing discs. Reference lubrication locations in the service section of this manual as required.
6. Ensure that all adjustable parts of the plastic layer are securely adjusted to the desired position.

GENERAL OPERATION

Operating Procedure

1. Complete the daily inspection.
2. Ensure that the tractor wheel base is set to accommodate the desired bed width.
3. Load a plastic mulch roll onto the rollers. If a spare roll is available load it into the roll storage.
4. Load the drip tape onto the drip tape reel.
5. Adjust the plastic layer bed shaping pan to the desired location.
6. Align the tractor with the pre-shaped beds.
7. Lower the plastic layer into the soil allowing the full weight of the plastic layer to shape the beds. It is recommended to shape the bed without drip tape or plastic mulch on the first pass. Make any adjustments needed to meet your specific soil conditions during this pass. Weights can be added to the toolbar for additional down pressure as shown below.



8. Before making the second pass route the plastic mulch through the rollers and behind the plastic layer.
9. Route the plastic drip tape through the drip tape roller, under the bed shaping pan out to the end of the plastic mulch.



10. Lay the plastic mulch out evenly, tuck the plastic mulch under the press wheels in the furrows.



11. Place soil or stake the end of the plastic mulch and drip tape in place. NOTE: A significant amount of weight may be required so that the plastic stays in place.
12. Moving the tractor forward ensure that the plastic is pulled tightly and the bed is full and firm.



13. Ensure that the closing discs are adjusted properly covering 5-6" of the plastic with soil.
14. When the row is completed cut the plastic mulch and drip tape. Repeat the process for additional rows and make adjustments for the best results as required.

SERVICE

⚠ WARNING

Always set the parking brake, shut off power unit engine, remove the ignition key, and ensure all moving parts have come to a complete stop before inspecting components or attempting any repair or adjustment.



Attention

If any component requires replacement, use only original Tilmor replacement parts.

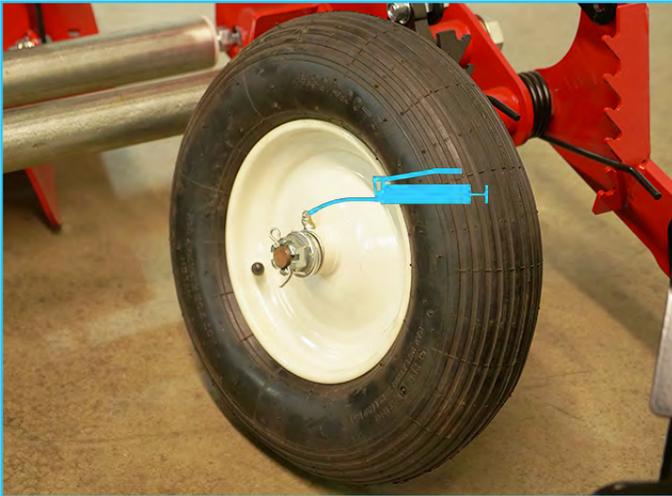
Cleaning and General Maintenance

For best results, and to maintain the finish of the plastic layer, clean or wash the plastic layer to remove any accumulated dirt and debris.

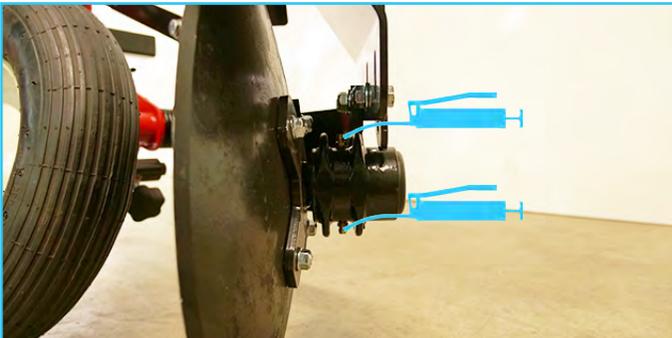
Lubrication Locations

Lubrication is required before each use of the plastic layer. There are six lubrication points on the plastic layer.

- Each press wheel has a grease fitting.



- Each closing disc has two grease fittings on the hub.



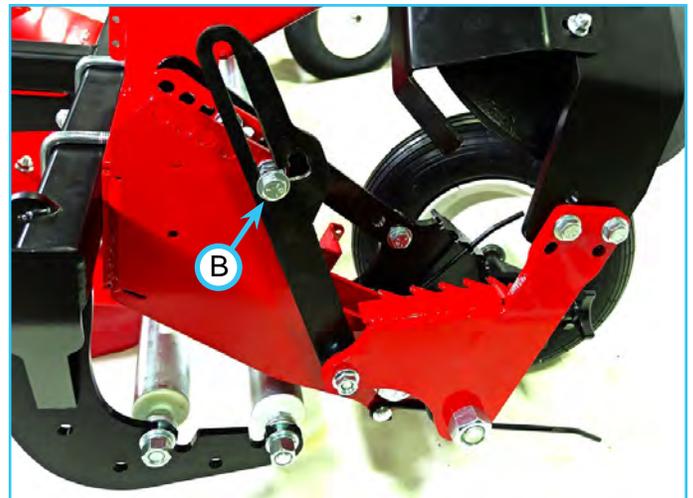
Storage

Preparing the plastic layer for Storage

1. Clean or wash the plastic layer to remove any accumulated dirt and debris.
2. The closing discs can be positioned vertically if additional space is required for storage.
3. Remove the 1/2" bolt (A).



4. Rotate the closing disc assembly to the vertical position.
5. Install the 1/2" bolt (B) through the closing disc assembly link and frame.

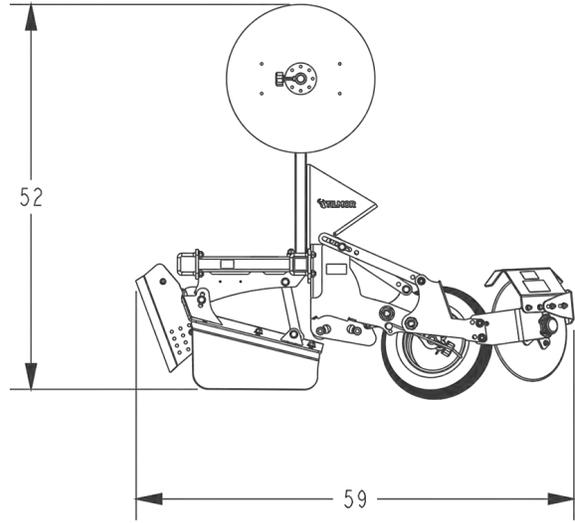
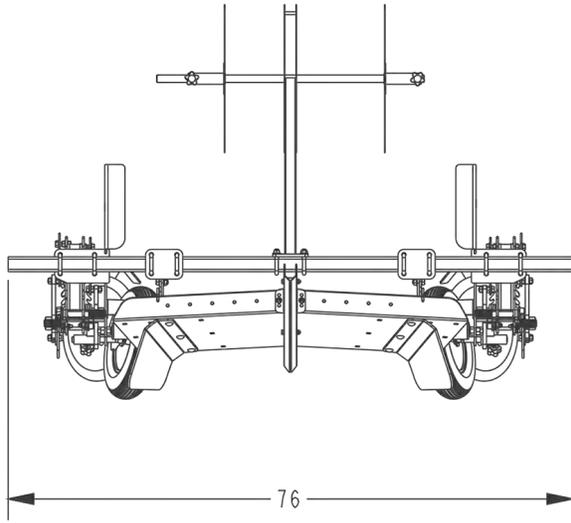


Removing the plastic layer from Storage

1. Perform a visual inspection of the plastic layer. Look for loose or missing hardware, damaged components, or signs of wear.
2. Return the closing discs to the operational position as required.
3. Grease the press wheels and the closing disc hubs. Reference the lubrication locations section of this manual.
4. Check that the press wheels are properly inflated to a maximum of 30 psi.

SPECIFICATIONS

Dimensions



Overall Height	52 in (1321mm)
Overall Length	76 in (1930mm)
Overall Width	59 in (1499mm)
Weight	370 lbs (168kg)

Features

- Adjustable plastic width 3 ft, 1m, 4 ft, and 5 ft.
- Adjustable closing disc position.
- Adjustable plastic tensioning wheels.
- Adjustable torsion springs on the closing discs and tensioning wheels.
- Adjustable drip tape trencher for dual or single drip tape applications.
- Adjustable drip tape roller mount.
- Integrated plastic roll carrier for extra plastic.
- Integrated tool carrier.

WARRANTY



Return Policy & Procedure

All new and unused products may be returned within 30 days of the ship date for a refund. If returning an item, first contact a Tilmor customer support representative at 1-844-255-5864 to obtain a return merchandise authorization (RMA) prior to shipping the item to Tilmor. Shipping costs for returns will be incurred by the customer. Refunds may be subject to a 10% restocking fee.

Warranty

Contact a Tilmor customer support representative at 1-844-255-5864 immediately if a product purchased on tilmor.com should fail during the defined warranty period. Items purchased on tilmor.com may be manufactured by Tilmor LLC or one of our trusted partners. For all products not branded by Tilmor, the original equipment manufacturer's warranty statement will define period, policy and procedure.

Tilmor Warranty Period

Non-serialized Product - 1 Year

Unless otherwise stated, all non-serialized Tilmor products are protected against defects in materials and workmanship, under ordinary and normal use, for a period of one year from the shipping date. Warranties on non-serialized Tilmor products are not transferable.

Serialized Product - 2 Year or 1000 hours

Unless otherwise stated, all serialized Tilmor products are protected against defects in materials and workmanship, under ordinary and normal use, for a period of two years from the shipping date or 1000 hours on tractor hour meter (whichever comes first). Warranties on serialized Tilmor products are transferable.

Tilmor Warranty Policy

Tilmor LLC may opt to repair, replace, or issue a refund for Tilmor products that are defective or have sustained damage in shipping. The following actions and damages are excluded from warranty:

- deterioration due to normal wear and tear,
- damage caused by an act of nature (fire, flood, wind, etc.),
- damage caused by accident, improper usage or negligence.

Tilmor LLC reserves the right to approve warranty repair time, decide whether to send new parts and/or request old parts for review. Our intention is to be fair to all parties (i.e. customer, repair shop and Tilmor).

Tilmor Warranty Procedure

Contact a Tilmor representative immediately if a Tilmor product should fail during the defined warranty period. The representative will initiate a claim and determine the quickest method to resolve the issue. Tilmor does not have local dealerships and will work directly with the customer to resolve the problem. If the customer prefers, we will work with a technician of the customer's choice to perform the repair.

