

TR3

COMMAND SERIES

Setup/User Guide



Please read setup guide fully and understand before operating!!

Thank You,

On behalf of the ABI family we would like to thank you for your recent purchase of your TR3 Command Series. Our Company's goal is to provide you, our customer; with innovative, quality tools as well as first rate customer service.

These instructions are designed to help you, the customer; get your new TR3 Command Series off the delivery pallet and into use. Once you have put your TR3 Command Series to work, if you have any questions, please feel free to call and talk with our friendly and knowledgeable Customer Service Department. To contact our Customer Service Department call 855-211-0598, M- Th 8am-8pm EST and Friday 8am-5pm EST.

To order parts for your TR3 Command Series please contact our Customer Support Department by phone at: 855-211-0598 M-TH 8am – 8pm and Friday 8am-5pm EST

Additional Contact Information –

Additional information on the TR3 Command Series can be found on the ABI Support site at:

www.abisupport.com

To contact ABI's Customer Service Department after hours go to the Help Desk on the ABI Support page at: www.abisupport.com and send our Customer Service Department an email regarding any issue you may be experiencing with the TR3 Command Series.

To the Operator –

The information presented in this manual will prepare you to operate the TR3 Command Series in a safe and knowledgeable manner. Operating the TR3 Command Series in a proper manner will provide a safer working environment and create a more efficient result. Read this manual fully and understand the entire manual prior to setup, operation, adjusting, performing maintenance, or storing the TR3 Command Series. This manual contains information that will allow you the operator to get years of dependable performance from the TR3 Command Series.

This manual will provide you with information on safely operating and maintaining the TR3. Operating the TR3 outside of the stated safety and operations guidelines may result in injury to operator and equipment, or void the warranty.

The information provided in this manual was current at the time of printing. Variations may be present as Absolute Innovations, Inc. continues to improve and upgrade the TR3 Command Series for future use. Absolute Innovations, Inc. reserves the right to implement engineering and design changes to the TR3 Command Series as may be necessary without prior notification.

Operational Safety Rules-

Please exercise caution at all times when setting up, operating, or performing maintenance on the TR3 Command Series. Remember, any piece of equipment like the TR3 Command Series can cause injury/damage if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times with using the TR3 Command Series.

- Never permit any person to ride or board the TR3 at any time. **NEVER ALLOW RIDERS ON THE TR3!**
- Use care and maintain minimum ground speed when operating the TR3 on a hillside, or when operating close to ditches, fences, or water sources.
- Never place any body part under the while the TR3 is in operation.
- Never allow anyone near the TR3 while in operation.
- Operate the TR3 in the daylight or under good artificial light. Operator should always be able to clearly see where they are going.
- Be alert for hidden hazards. Always operate the TR3 with caution over work environments that may have buried obstacles.
- Stay well and clear of all moving parts. Keep all limbs clear of attachments when making adjustments with all hydraulically operated attachments.
- Use caution when operating the TR3 in icy, wet, or snowy condition.
- Do not use the TR3 on highways or public thoroughfares. The TR3 is designed for off road use only.
- Always follow Tractor Manufacturer's rules for safe Operation of Tractor, and for proper procedures for attaching and disconnecting attachments. Contact your local dealership for an Owner's Manual for any questions related to the safe operation of the Tractor.

Use caution when operating the TR3. Using the TR3 outside of stated safety and operations guidelines may result in injury to operator or others, property damage, or a void in warranty.

Specifications –

Size:	7.5' (89")
Unit Weight:	1100 lbs.
Raking Width:	7.5' (89")
Grading Width:	5.5' (66")
Scarifying Width:	4.9' (59")
# of Scarifiers	8
Hydraulic Scarifiers:	Yes
Scarifying Depth:	0-3" Adjustable to 5"
Min. Horse Power:	35 HP
Hydraulic Ports Needed:	1 Set
3-Point Mount	CAT I
Unit Dimensions:	96"W x 50"L x 39"H
Warranty:	1 Year Limited Warranty

Attaching and Setting up the TR3 Rake:



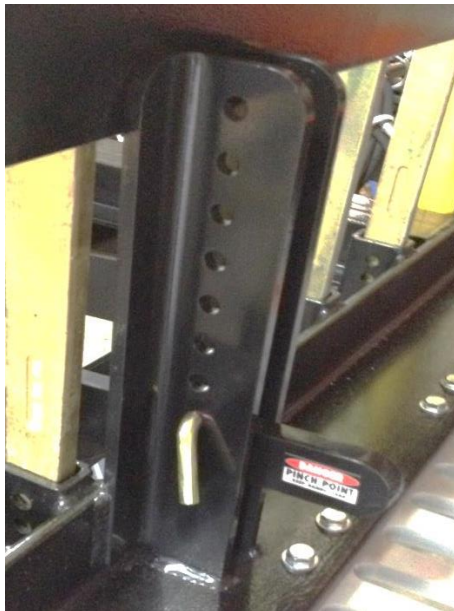
Step 1 – Attach the tractor to the lower arms indicated by arrow #1 in the picture. There are two connecting holes on the TR3 for the bottom arms of the tractor to attach to. If the TR3 is connected to the bottom holes, then make sure to connect the Top Link in the bottom holes on the mast shown by the arrow labeled #2. If the lower arms of the tractor are connected to the TR3 in the top hole, connect the Top Link using the top hole as well. The Top Link is shown in Fig. 1.

**Some models of Tractors may vary on top link location. The top link should sit as level as possible when the TR3 is operational.

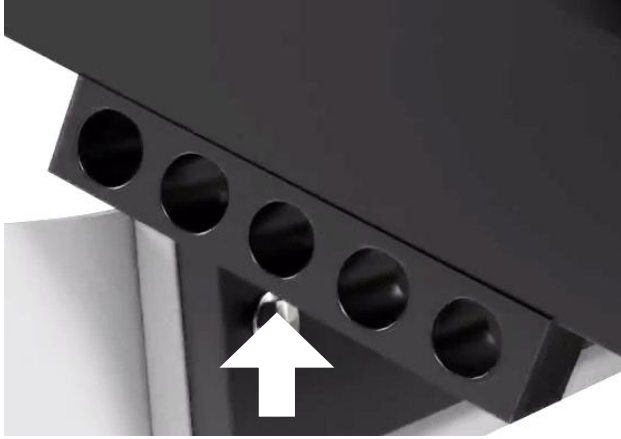


Fig. 1 – Top Link

***NOTE:** Ensure the Draw Bar on the Tractor is pushed in before hooking up the TR3 to the Tow Vehicle. Make sure the bottom 3 point arms are set to the same length, and that the Tractor sway bars are fully locked on the bottom 3 point arms prior to operation.

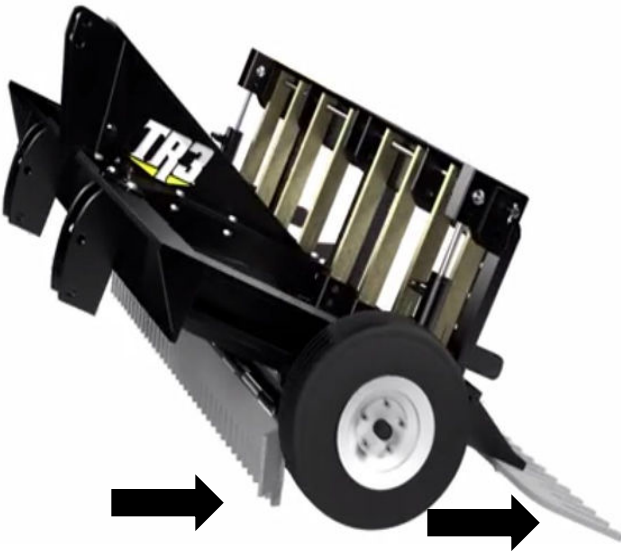


Step 2 – Remove the ½” bent pins from the upright mast on the back that is locking down the leveling blade. If these pins are already at the top of the mast up then skip this step and move on to step 4. If the pins are in place and cannot be removed from the uprights, then the TR3 may need to be lowered to the ground to take the pressure off the pins. Remove the pins and pin each one in the top hole on the uprights. Make sure to secure the bent pin back using the provided lynch pin.



Step 3 – Make sure the Stabilizing wheels are mounted in the middle hole on the tire mounting bracket. This can be adjusted later if needed. For now make sure the tire is mounted in the center hole.

Step 4 – Connect the hydraulic lines to the Tractor, making sure that the fittings are fully secured before proceeding. Once the hydraulics are properly connected, cycle the hydraulics until the scarifiers move up and down freely. Make sure to check the hydraulic fluid levels after cycling the scarifiers to ensure the oil levels have not been depleted.



Step 5 – With the TR3 and Tractor on a hard flat surface, and the Scarifiers lifted out of play, adjust the TR3 using the Top Link (shown on page 4 Step 1 Fig 1 above) so that the Leveling Blade and the Finish Rake touch at the same time. Once the Leveling Blade and Finish Rake touch at the same time; lift the TR3 and set it back down. This will ensure that everything is properly adjusted. If Leveling Blade and Finish Rake are not touching at the same time continue to adjust the TR3 using the Top Link until they touch after the TR3 has been lifted and lowered. The TR3 may need to be adjusted multiple times for it to be level. Make sure to raise and lower the TR3 after every adjustment.

***Note for Step 5** – Due to 3 point hook ups on some models of tractors, it may be necessary to move the tires on the TR3 forward or back a hole to properly adjust the TR3. If you are not able to adjust the TR3 so that the Leveling Blade and Finish Rake touch at the same time try moving the wheel one hole at a time and then repeat Step 6. For further assistance on setup of the TR3 contact our Customer Service Department at 855-211-0598.

Setting up the TR3 for Operations with Hydraulic Scarifiers –

Step 1 – Take the TR3 to the area that the tool will be used. Lower the TR3 down until the wheels rest on the ground fully, with the scarifiers raised. Before making any other adjustments, make sure the leveling blade and the finish rake are both touching the ground at the same time. If the leveling blade and the finish rake are not touching the ground at the same time refer to section “Attaching and Setting up the TR3” above for information on leveling the TR3 for use.

Step 2 – Using the hydraulic controls, lower the scarifiers while moving forward over the work area. Allow the scarifiers to go into the material a little at a time to prevent setting the depth too deep. The scarifiers should be adjusted in 1” increments to prevent setting the depth too deep. To check the depth of the scarifiers into the material, adjust the scarifiers down using the hydraulic controls and pull the TR3 forward 3-5’. Check the area the scarifiers have broken up the material to confirm how deep they are penetrating the surface. Adjust the scarifiers up or down as needed to reach the desired depth. Make sure to confirm the operating depth of the scarifiers after every adjustment to confirm the depth is set correctly for the work area.

PUSHING MATERIAL BACKWARDS:

Make sure the material has been loosened before attempting to push material with the TR3!

Step 1 - Raise the TR3 off the Ground 2-3” and extend out the Top Link until the Finish Rake is pressing on the ground firmly.

Step 2 - Make sure the scarifiers are not inserted in the ground and not touching the ground. The scarifiers may need to be moved up to prevent them from contacting the ground while pushing backward with the TR3.

Step 3 - Push the material back slowly using the Finish Rake of the TR3.

If pushing back on a hard pack surface, or area with large rocks; going too fast could result in damage to the TR3 or Tractor. Use caution to not hit large rocks, trees, embedded objects, or other objects that may not be movable. Always use caution when pushing material backwards with the TR3!

Hydraulic Top Link Option:

The Tractor must have multiple hydraulic ports available in order to use the optional Hydraulic Top Link option for the TR3! Some Tractor models may require an extender in order to use the Hydraulic Top Link properly. Confirm that the standard stroke for the Hydraulic Top Link is sufficient for use with the Tractor model the option will be used on.



1. Attach the hydraulic top link to the Tractor replacing the manual top link. For tractors with enclosed mounting areas the hydraulic top link may need to be mounted with the body of the hydraulic top link attached to the TR3 with the shaft attached to the Tractor. If the hydraulic top link must be mounted with the body of the hydraulic top link on the TR3, ensure the hoses will be long enough to reach the tractor when the hydraulic top link is fully extended before operating the TR3.

2. Hook the hydraulic hoses of the hydraulic top link to the hydraulic fittings on the tractor.

3. Extend out the hydraulic top link shaft so that it can be attached to the TR3/Tractor and attach using a hitch pin to the TR3/Tractor. The hydraulic top link is now ready for use.

Maintenance:

- Check all hardware, including pins and cotter pins; daily to ensure hardware is properly secured and free of damage. If hardware is found to be damaged or not properly secured, replace or secure hardware before operating the TR3.
- Check all hydraulic components daily to ensure they are free of damage or leaks, and that they are operating properly. If any hydraulic components are damaged or leaking, replace the parts before operations. If components are not operating properly contact ABI Customer Service for information on trouble shooting the components.
- Make sure to grease the wheel hub bearings every 3 months, or more frequently for high use or extremely dusty environments. Grease wheel hub bearings before/after any long period of storage.

If you have any other questions about your TR3 Command Series please feel free to contact our Customer Support Department at 855-211-0598 M-Th 8am -8pm and Friday 8am-5pm EST. You can also check out our support page at www.abisupport.com for more information and videos on your TR3 Command Series or any of our other quality products.

For TR3 Command Series Replacement Parts: Contact ABI Customer Support at:

855-211-0598 M-Th 8am-8pm EST and Friday 8am-5pm EST



abiATTACHMENTS