



Wolverine

SKID STEER ATTACHMENT

PRODUCT MANUAL

V2024.10.18

TRENCHER MANUAL

Model: TCR-12-48H



**FOR MORE INFO
SCAN HERE**



Content

I. Preface	1
II. Security statements	2
III. Warning labels	3
Warning Label Location	3
IV. Technical Parameters	5
V. Installation	6
Manual-controlled Quick-change Device	6
Hydraulic connection	8
VI. Operation	9
Basic operations	9
Cautions	10
VII. Maintenance	12

I. Preface

This product is carefully designed and manufactured to provide you with years of reliable service. Only minimal maintenance (such as cleaning and lubrication) is required to keep it in top working condition. Be sure to follow all maintenance procedures and safety precautions in this manual, as well as any safety stickers on the product and any equipment on which accessories are mounted.

This manual is designed to help you do a better,safer job. Please read this manual carefully and familiarize yourself with its contents. Do not allow anyone to operate this equipment without reading this manual.

The illustrations and data used in this manual are current at the time of printing (according to information available to us), but we reserve the right to redesign and change attachments as necessary without notice. Prior to operation the primary responsibility for the safety of this equipment falls on the operator. Please ensure that only trained personnel who have read and understood this manual operate the equipment.

If you do not understand this manual or the features, please contact your local authorized dealer or the manufacturer for further assistance. Make this manual available to new owners and new operators for reference.

II. Security statements

Improper installation, operation or maintenance of this equipment can result in serious personal injury or even death. Before beginning installation, operation or maintenance, operators and maintenance personnel should carefully read this manual and all manuals pertaining to this equipment and the prime mover. Follow all safety instructions in this manual and the prime mover manual.

Read and understand all safety statements before operating or using this equipment, read all warning labels and safety statements in manuals. Know and follow all regulations, local laws and other professional guidelines. Know and follow good working practices when assembling, maintaining, servicing, installing, disassembling, or operating this equipment.

Learn about the performance, size of your device before operation. Visually inspect the equipment prior to start-up and it is strictly forbidden to operate equipment in a abnormal working condition with all safety devices intact. Check all hardware to ensure tightness. Ensure that all latches, pins and connections are properly installed and secured. Remove and replace any damaged or excessively worn parts. Make sure all safety decals are in place and legible. Keep warning labels clean and replace them when they are worn or difficult to read.

III. Warning labels

Warning Label Location:

The location of the warning labels used is shown in Figure1-1. Warning labels are identified by their part number and instructions for using the warning labels are shown in 1-2. Use this information to order replacements for lost or damaged warning labels. Be sure to read all warning label before handling accessories. They contain the information you need to understand and the safety and life span of the product.

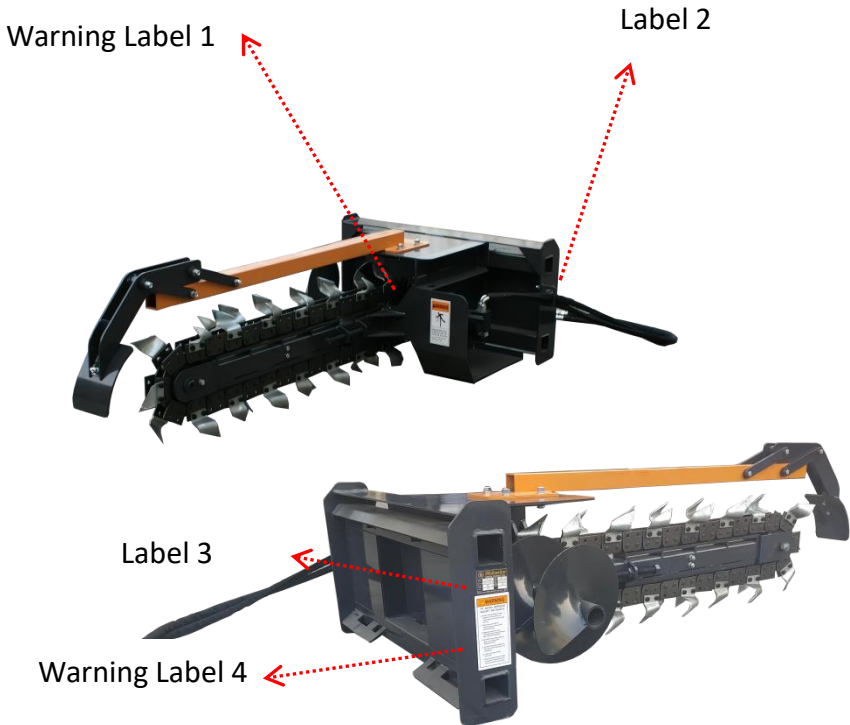
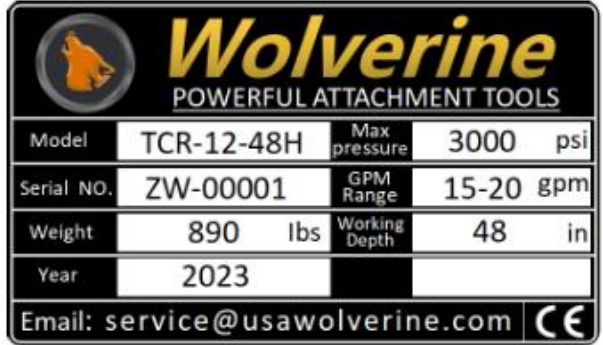


Figure 1-1

WOLVERINE INDUSTRY

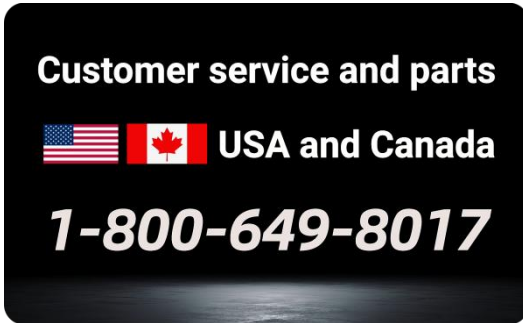


Warning Label 1

Exposed belt chains and moving parts can cause severe injury.

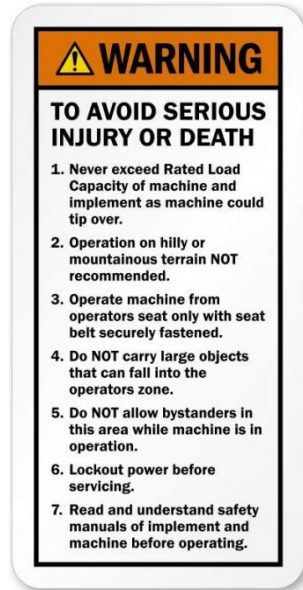
Label 2

Name Plate



Label 3

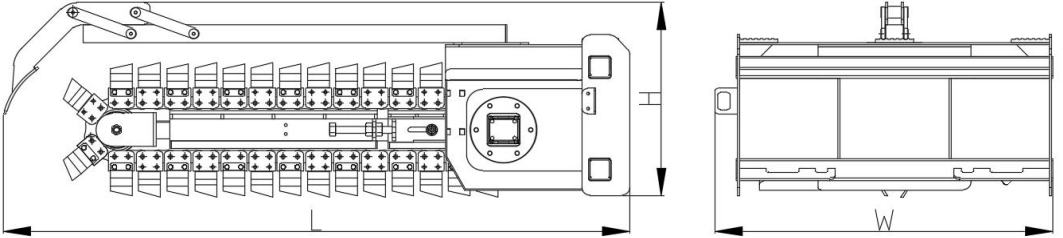
Service Tel: 1-800-649-8017



Warning Label 4

Avoid serious injury or death

IV. Technical Parameters



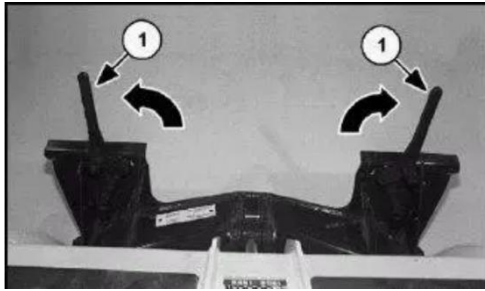
No.	Item	Parameter		Remark
	Model	84"		
		British System	Metric system	
1	Total Weight	891 lbs	404 Kg	
2	Working Pressure	3000 psi	21 Mpa	
3	Overall Width W	49 "	1240 mm	
4	Height H	28 "	710 mm	
5	Length L	90 "	2290 mm	
6	Trenching Width	200mm		
7	Max. Trenching Depth	1200mm		
8	Auger Diameter	400mm		
9	Hydraulic Flow	60-90L/min		

V. Installation

Please check the quick-change device before installing and operating the trencher.

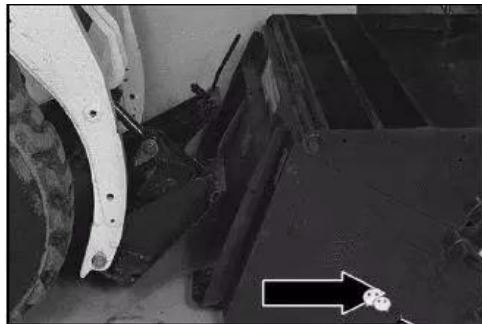
Manual-controlled Quick-change Device

Pull the lever of quick-change device completely open. (as shown below)



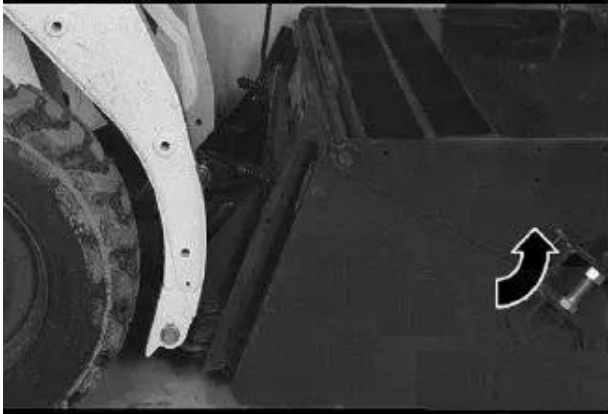
Get into the cab, fasten your seat belt, depress the safety bar, and start the engine. Loosen hand brake.

Tilt the quick-change unit towards the front. Slowly move the machine forward so that the top edge of the quick-change device is fully integrated into the mounting flange of the trencher. (as shown below)

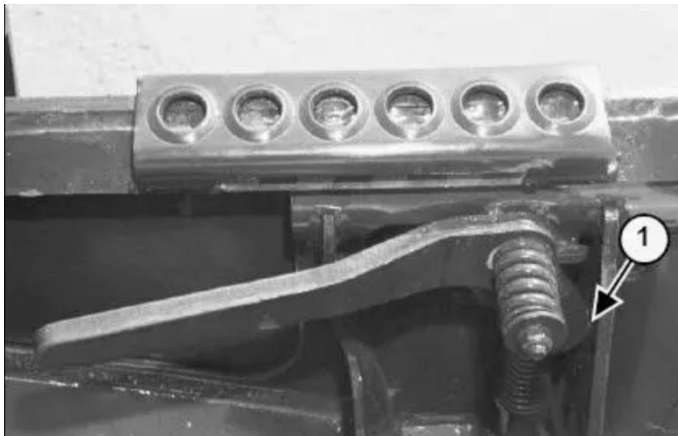


WOLVERINE INDUSTRY

Make sure that the pull rod of the quick-change device does not collide with the trencher. Retract the quick-change device until the trencher is completely off the ground. (as shown below)

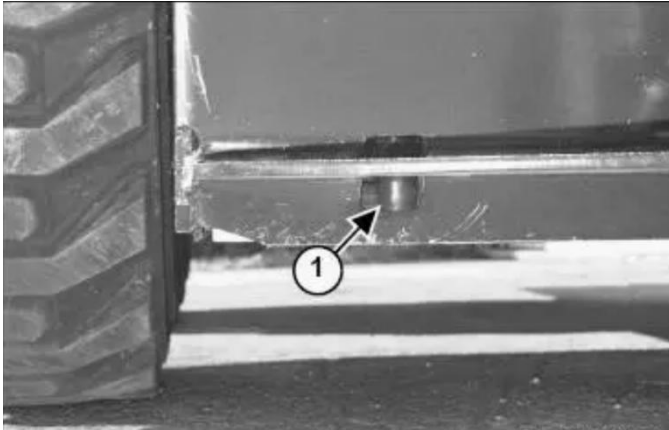


Turn off the engine and leave the cab. Depress the pull rod of the quick-change device until the locking pin is fully inserted into the pin hole of the mounting plate and locked. (as shown below)



WOLVERINE INDUSTRY

The lock pin of the quick-change device is completely inserted into the pin hole of the mounting plate and locked, so that the trencher and the quick-change device are tightly combined. (as shown below)

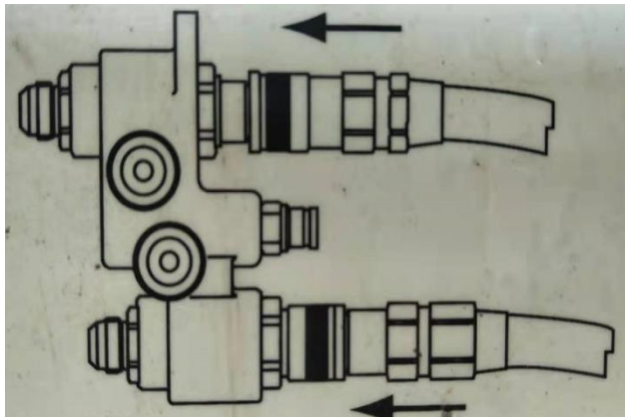


Warning : The lock pin of the quick-change device must be inserted into the pin hole of the attachment, and the pull rod must be fully depressed and locked. Otherwise, the trencher may fall off the support of the host, resulting in serious injury ,even death.

WOLVERINE INDUSTRY

Hydraulic connection:

Connect the high pressure hose and oil-return hose of the sweeper to the auxiliary hydraulic plug on the skid steer loader. Push the joint toward the lock position after alignment and insertion. (as shown below).



VI. Operation

Basic operations:

1. Mark the start and end of the ditch on the dig line and make sure the dig line is clearly visible.
2. Make sure the oil line of the trencher is connected and the oil pump is closed.
3. Move the trencher to the location where you want to work, then start the trencher and slowly lower it.
4. Adjust the digging depth of the trencher and adjust it as needed.
5. Select the appropriate digging speed according to the needs, and adjust backward speed of the loader to match the digging speed.
6. During the excavation process, keep operation stable to ensure accurate excavation of the ditch.
7. After completing digging work, raise the trencher, gradually reduce the digging speed, and turn off the oil pump after the blades or chain stops moving.
8. Clean work area and trencher to ensure safety and hygiene.

WOLVERINE INDUSTRY

Notes:

1. During the operation, pay attention to keep the working area clean to prevent debris and debris from splashing.
2. Avoid continuous operation of the trencher for a long time, so as not to overheat and damage the equipment (the trencher is not applicable to frozen soil).
3. Pay attention to the wear situation of blades or chain and should replace them in time if too much wear or damage.
4. When operating the trencher, it is necessary to focus attention and prevent distraction and fatigue operation to avoid accidents.
5. When operating the trencher, it is necessary to follow the operating procedures. Illegal operation and overload use are strictly prohibited.

Please note that the notes above are general operation and precautions. The specific operation and safety requirements may vary depending on the model of trenchers and the use environment. Before operating the trencher, it is recommended to carefully read and follow the relevant operating manuals and safety regulations.

VII. Maintenance

Regular maintenance is the key to prolonging life span of equipment and safe operation. Maintenance requirements have been reduced to an absolute minimum. However, it is important that these maintenance functions are performed as described below.

No.	Item	Daily (Every 8 Hours)	Refer to manual for prime power
1	Clean off any dirt and grease that may have accumulated on the trencher.	✓	
2	Check the blades and replace them when performance is reduced by 30% to 60%.	✓	
3	Check if hydraulic system is leaking and tighten it if necessary. Inspect for damage and replace as needed.	✓	
4	Grease fittings	✓	
5	Check if the hydraulic system of prime mover has sufficient oil.	✓	
6	Check whether the hardware is missing or loose. Replace or tighten it if necessary.	✓	
7	Check for missing or damaged warning decals and replace them if necessary.	✓	
8	Clean the air filter for prime mover .		✓

WOLVERINE INDUSTRY

WARNING: Always wear appropriate personal protective equipment when performing any service or maintenance work. If replacement parts are required, reliable factory accessories must be used to restore the unit to original specifications. The manufacturer is not responsible for injuries or damage caused by the use of unapproved parts or accessories. Avoid operating the mower too quickly, especially in turns or on uneven ground. If you feel ill or experience an emergency, immediately switch off the mower and move to a safe area. Always use appropriate tools in good condition and make sure you understand how to use them before performing any service work.



Wolverine

Tel: 1-800-649-8017

Business: sales@usawolverine.com

After-sales service: service@usawolverine.com

Website: www.usawolverine.com

WOLVERINE ATTACHMENT