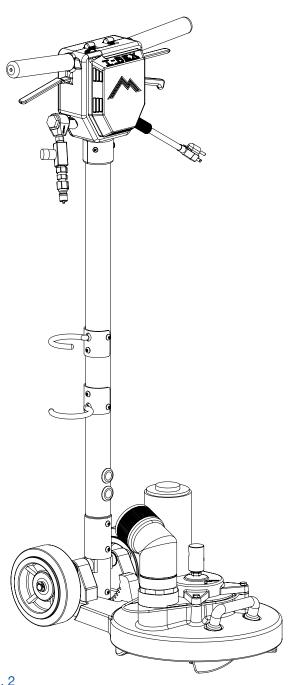


# Instructions for

# T-REX JR. TOTAL ROTARY EXTRACTOR







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Model #	

Form # ADP-TREXJR

12-16

Serial # \_

#### **Dear Customer:**

Congratulations on the purchase of your new T-REX™ Jr. Total Rotary Extractor. As technology continues to develop you can work confidently knowing that both Mytee Products Inc. and its employees are equally dedicated to developing with the industry and its advances.

Like any other piece of machinery or technology, the T-REX™ Jr. also requires the proper maintenance and care to keep the product working over extended use. Neglecting your machine, abusing it or not operating it properly can void its warranty and prevent the machine from performing to the quality and standard you'd expect out of the Mytee Products Inc. line.

If you have any warranty concerns or questions, please review this manual thoroughly or do not hesitate to contact your distributor. If there are questions regarding maintenance, replacement or ordering parts please contact an authorized Mytee Products Inc. Service Center. To see an updated list please visit our website at http://www.mytee.com/support/service-centers/

Before using your Mytee Product, please read this manually thoroughly. Sincerely,

Mytee Customer Care Dept.

#### **Grounding Instructions**

This machine must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed in accordance with all local code and ordinances. Do not remove ground pin; if missing, replace plug before use.



#### DANGER

Improper installation of the equipment-grounding conductor can result in a risk of electric shock. Be sure to check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. If the plug will not fit in the outlet do not modify either the plug nor the machine's cord, instead have a proper outlet installed by a qualified technician.

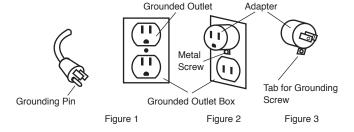
This machine is for use on a nominal 120-volt circuit and with a grounding plug similar to the one in Figure 1 below. If a proper outlet is not available, follow the illustrations of Figure 2 & 3 to install a temporary-grounding plug. This temporary work-around should be used only until a proper outlet (Figure 1) can be installed by a qualified electrician. When and if this type of adapter is employed, screw the adapter's extended tab into place with a metal screw. However, grounding adapters are not approved for use in Canada.

Again, be sure to check the grounding pin for damages and replace if necessary.

The Green, or Green-Yellow, wire in the cord is the grounding wire. When replacing a plug, this wire must be attached to only the grounding pin.

#### DO NOT use extension cords.

#### Please Note for America use only



#### **Parts and Service**

Please contact a Mytee service personnel or Mytee authorized Service Center using Mytee original replacement parts and accessories for repairs are needing to be performed. When and if calling Mytee for support, please have your Model and Serial Number available for faster assistance.

#### Name Plate

The Model and Serial Number are located on the switch box of the machine near the power plugs and will be required for ordering replacement parts. You can use the space provided on the front of this manual to note down both for future referencing.

#### **Unpacking the Machine**

When your new machine is delivered, please carefully inspect both the shipping carton and the machine for damages. If damage is evident, save both the shipping carton and machine so that the delivering carrier can inspect it. Contact the carrier immediately to file a freight claim if there has been any damage.

## Caution and Warnings

#### **Symbols**

Mytee uses the symbols below to signal potentially dangerous conditions. Always read this information carefully and take the necessary steps to protect personnel and property.



#### DANGER

Is used to warn of immediate hazards that will cause severe personal injury or death.



Is used to call attention to a situation that could cause severe personal injury.



Is used to call attention to a situation that could cause minor personal injury or damage to the machine or other property. When using an electrical appliance, basic precautions should always be followed, including the following: Read all instructions before using this machine. This product is intended for commercial use only.



To reduce the risk of fire, electrical shock, or injury:

- 1. Read all instructions before using equipment.
- 2. Use only as described in this manual. Use only manufacturer's recommended attachments.
- 3. Always unplug power cord from electrical outlet before attempting any adjustments or repairs.
- 4. Do not unplug by pulling on cord. To unplug, grasp the plug, not the
- 5. Do not pull or carry by cord. Do not close a door on cord or pull cord around sharp edges or corners.
- 6. Do not run appliance over cord. Keep cord away from heated surfaces.
- 7. Do not use with damaged cord or plug. If cord is damaged, repair immediately.
- 8. Do not use outdoors or on wet surfaces and or standing water.
- 9. Always unplug or disconnect the appliance from power supply when not in use.
- 10. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- 11. Do not use in areas where flammable or combustible material may be present.
- 12. Do not leave the unit exposed to harsh weather elements. Temperatures below freezing may damage components and void warranty.
- 13. Use only the appropriate handles to move and lift unit. Do not use any other parts of this machine for this purpose.
- 14. Keep hair, loose clothing, fingers, and all parts of the body away from

#### GENERAL INFORMATION

all openings and moving parts.

- 15. Use extra care when using on stairs.
- 16. To reduce the risk of fire or electric shock, do not use this machine with a solid-state speed control device.
- 17. The voltage and frequency indicated on the name plate must correspond to the wall receptacle supply voltage.
- 18. When cleaning and servicing the machine, local or national regulations may apply to the safe disposal of liquids which may contain: chemicals, grease, oil, acid, alkalines, or other dangerous liquids.
- 19. Do not leave operating unattended.

#### **Preparation**

- 1. Remove furniture and other items from the area you are going to clean.
- 2. Vacuum carpet and upholstery, and remove debris.
- 3. Protect cabinets, walls and painted surfaces with drop cloths or plastic.
- 4. Inspect power cords for damages.
- 5. Remove protective wrapping from wheels.
- 6. IMPORTANT: Make sure the felt seal on top of the cleaning head is thoroughly lubricated before using the T-REX™ Jr.
- 7. Attach the cleaning head at the base of the T-REX™Jr. First, lean the T-REX™ Jr. back and rest it on the handle. Second, thread the head onto the exposed shaft in a counterclockwise direction.
- 8. Attach vacuum and solution hoses to unit.
- 9. Start extractor per operating instructions for unit.

#### **Operating Instructions**

Step 1 – Adjust the handle. To do so, pull back on handle adjustment lever and move the handle up or down to desired operating position. Most users find that they have better control and less fatigue if the handle is in a low position, just around the hip line.

Step 2 – Controlling the motor and spray. There are triggers located on both sides of the handle. The trigger on the left controls the solution flow. Activating this trigger will lay down spray through the jets on the star. The pressure of the spray is determined by the type of pump you have hooked up, either on your portable extractor or truckmount.

The trigger on the right hand side controls the motor. To activate the motor, you must first push down the safety lockout, and then pull on the trigger. PLEASE NOTE: Be sure that you have good control of the unit when you activate the motor, as it will move quickly when started.

The airflow of the unit is controlled by the vacuum source you have hooked into the machine. The air flows constantly during operation.

Step 3 – Maneuvering the unit. The T-REX<sup>TM</sup> Jr.'s movement is controlled by moving the handle up or down (similar to a floor machine). To move the machine to the right, lift the handle slightly. To move to the left, lower the handle slightly. The more you lift or lower the handle, the faster the machine will move.

CAUTION – Do not tilt the machine on its side during use! Doing so may result in the ejection of your glides, damage to the star, damage to property, and/or injury.

To move the machine forward or backward, position the machine so the head is "hovering" over one spot, and then push or pull forward or back.

CAUTION – Do not operate the machine on dry carpets. The friction caused by the head movement may cause fiber damage to the carpet.

#### **After Use**

- 1. When machine is transported or stored, apply the head protector.
- 2. Blow all air out of unit prior to storing with compressed air. Storing the machine with fluid in the lines can result in serious damage if the unit freezes
- 3. Store machine in a dry area in the upright position

ATTENTION: Do not expose to rain. Store indoors.

**ATTENTION:** If storing machine in freezing temperatures, be sure that machine and solution system are completely drained and dry.

#### **Maintenance Schedule**

Maintenance Schedule	1	1
Maintenance item	Daily	Once a week
Inspect cords and hoses for breaks or tears. Replace any damaged items.	х	
Visually inspect machine for damage to cleaning heads, etc. Repair as necessary.	х	
Clean machine with an all purpose cleaner and damp cloth.	х	
Remove the in-line solution filter screen and rinse under water to remove debris.	х	
Check the spray jets for even spray. If uneven, the jet may be clogged and need cleaning. If clogged, remove spray tips and soak them in a recommended liquid neutralizer for up to six hours. To remove spray tip, twist spray tip body counterclockwise. Do not use pointed objects to unplug tips, damage will occur.	x	
Check felt vacuum seal daily before use.  Make sure that seal is lubricated to near saturation with included SuperLube® or 30 wt SAE motor oil. New units and seals do NOT come pre-lubricated.	x	
Remove the cleaning head. It unscrews in a clockwise direction when looking at the underside of the machine. Once you have loosened it, the star should turn freely in your hands. Wash the cleaning head and shroud thoroughly, being sure not to wet the motor assembly. Clean any lint buildup from the star and vacuum heads.		x
Clean off any debris that is on the shaft of the motor or the hub of the star. If not cleaned regularly, debris here can damage the oil seal on the gearbox, and result in loss of oil.		x
WARNING: Operating the unit without the gearbox properly lubricated can result in damage.		
Lubricate the felt vacuum seal with 30W SAE motor oil.		×
Coat the shaft with WD40 or a similar lubricant.		x
WARNING: When reinstalling the vacuum star, make sure that it spins freely. If it begins to require pressure, unscrew it and clean threads. Dirt or grit can block the threads, and if you continue to tighten, may lock the star on the motor shaft.		

#### **GENERAL INFORMATION**

#### **Troubleshooting**

Problem:	Possible Causes: Solutions:		
Gear box is making loud grinding noise while running. (When gears are properly working, the motor will run quietly.	Offset gear is dam- aged.	Replace the gear. (Part #H237. See next page.)	
Machine power is	A power cord could be disconnected.	Check all cord con- nections, including the cord plug connections at the motor.	
powering the control board, but unit will not run.	Activation microswitch (Part #H167) is faulty, or out of adjustment.	Replace activation microswitch	
	Speed slide potenti- ometer (Part #E363) is faulty.	Replace speed slide potentiometer	
On a new unit: The release lever for adjusting the handle angle seems "stuck".	Handle plunger gear may stick to the gear rack. This is due to the texture of each mating part caus- ing friction. With use, the textures are smoothed.	Shake the handle, while pulling the release lever. Light application of dry lubricant afterward may be helpful. This situation happens rarely, and usually only once or twice, when unit is new.	
Cleaning unit head seems to rotate slower than normal.	Felt vacuum seal ring in head is not properly	Saturate felt vacuum seal with included SuperLube® (Part #PH648) or 30	
The drive motor seems to be getting overly warm or hot.	lubricated.	wt SAE motor oil. Apply oil until near saturated, but not dripping.	
Perceptible loss of vacuum.	Check that the felt vacuum seal in head is not worn, crushed, or dry.	Replace felt vacuum seal (Part #G014). Lubricate new seal before installation.	
Motor is to cycling, as if turning on-and-off rapidly.			
Sparks and/or smoke from motor.	Motor carbon brushes are likely worn.	Replace motor carbon brushes immediately (Part #C311B-BMK).	
Marked decrease in power of motor.			

#### **Machine Specifications**

Cleaning Path	12"	
Spray Jets	4x .02	
Speed	80 - 180 RPM	
Machine Weight	52 lbs.	
Machine Dimensions	21" x 12.5" x 44"	
Power Cord	25' 12/3	

#### **TIPS**

WARNING: Flammable materials or reactive metals can cause an explosion or fire.

Do not pick up.

Do not operate the machine over floor moldings. Damage to the molding and the head will occur.

Do not operate the machine on concrete or hardwood floors. The machine is designed for carpet use only. Use on other surfaces will cause damage to the unit.

Do not operate your machine over loose or unraveled carpet seams. The cleaning head may grab the loose piece and cause further damage.

Do not clean over the edge of loose carpet. Extraction heads will catch the carpet edge.

Work away from outlet and power cord to prevent cord damage.

During cleaning of plush carpet, you may notice some loose yarns being thrown from the sides of the extraction head. This is normal.

On carpets that have delaminated (the face has come loose from the backing), this machine may cause further delamination. When in doubt, do not use the unit.

The machine will leave carpet with "swirl marks" from the cleaning process. These should be brushed out at the end of cleaning with a carpet rake or brush.

To clean heavily soiled areas, repeat cleaning path from different direction. After cleaning, relieve water pressure from tool before disconnecting hose. Squeeze trigger for five seconds after turning main power switch off. Always hook up solution and vacuum hoses to the machine BEFORE turning on pumps or motors. Solution lines will be difficult, if not impossible to plug in while pump is pressurized.

#### **FAQs**

Q: How much does the T-REX™ Jr. weigh?

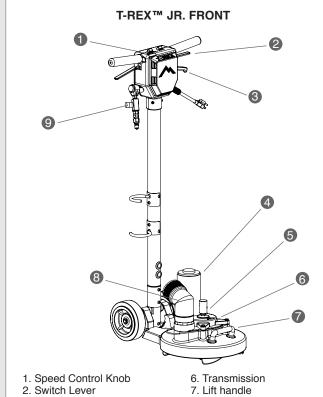
A: Machine weighs 41 lbs., cleaning head is 11 lbs.

Q: What comes standard with T-REX™ Jr.?

A: P576A - Head Protector, G014 - Felt Ring Seal, H053 - Head Removal Tool, H051 - 5/8" Flat Wrench, E617A - 25' Power Cord.

Q: Is there anything I can do to increase the expected life of my T-REX  $^{\mathsf{TM}}$  Jr.?

A: Regular cleaning and maintenance of the entire unit.



1 10. Handles 15. Heavy Duty Wheels

T-REX™ JR. BACK

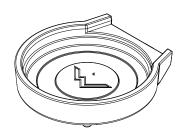
- 3. Handle Adjustment Lever
- 4. Motor
- 5. Rotary Union
- 7. Lift handle
- 8. Clear View Cuff-Lynx™
- 9. Adjustable flow valve

11. Solution Lever

14. Cleaning Head

12. 90° Quick Connect Swivel 13. Hose Restraints

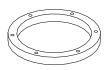
#### T-REX™ JR. ITEMS INCLUDED



P576A - Head Protector



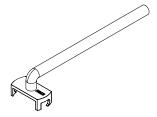
A102A - Cleaning Head



G014 - Felt Ring Seal

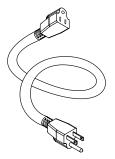


H051 - 5/8" Flat Wrench



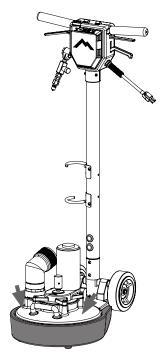
16. Pigtail power cord 17. Safety Lockout

H053 - Head Removal Tool



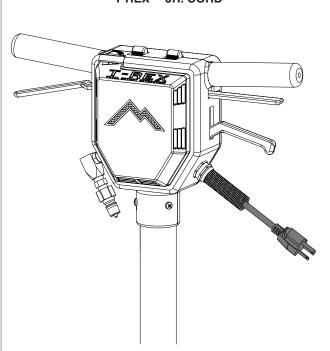
E617A - 25' Power Cord

#### T-REX™ JR. HEAD COVER



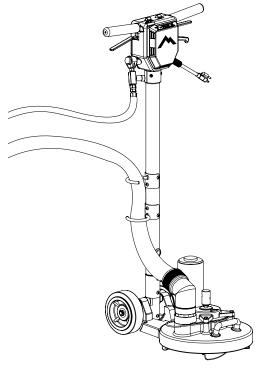
The head cover protects the head from any type of damage. Simply press down on the head cover to remove. Apply cover when not in use.

#### T-REX™ JR. CORD



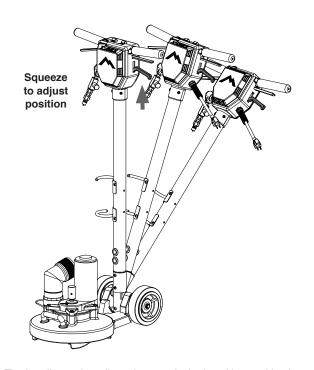
Connect pigtail plug to 25' power cord. Plug power cord into a grounded wall outlet.

#### T-REX™ JR. VAC/SOL HOSE CONNECTIONS

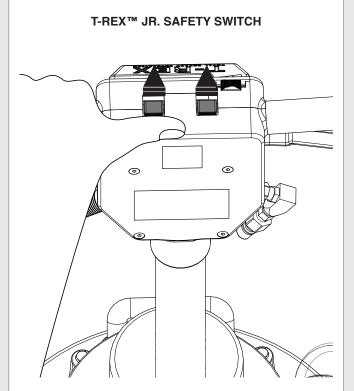


Connect solution hose from your extractor to swivel QD fitting on T-REX $^{\text{TM}}$  Jr. handle. Also, connect vacuum hose from extractor to Clear View Cuff-Lynx $^{\text{TM}}$  elbow or A105 lead hose.

#### T-REX™ JR. ADJUSTMENT LEVER



The handle can be adjusted to any desired working position by simply squeezing the adjustment lever. Move the handle to the desired position, then release adjustment lever locking handle in place.

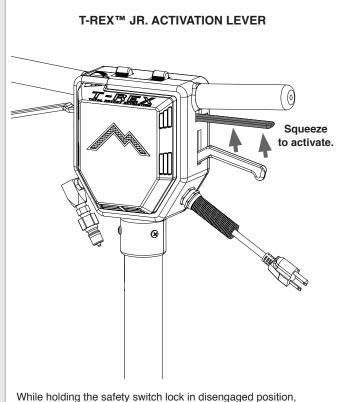


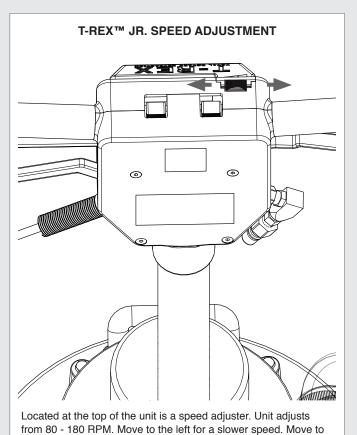
The handle must be lowered to the operating position before

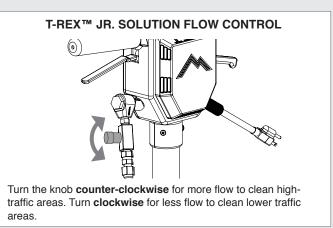
pushing it forward with either thumb.

the right to speed up.

switching the machine ON. Disengage the safety switch lock by

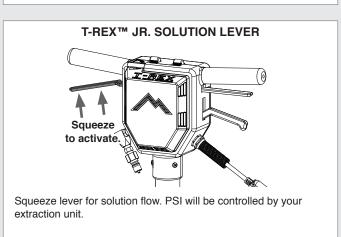


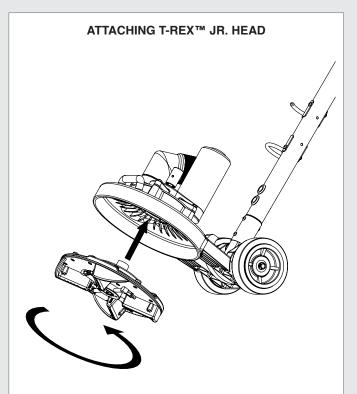




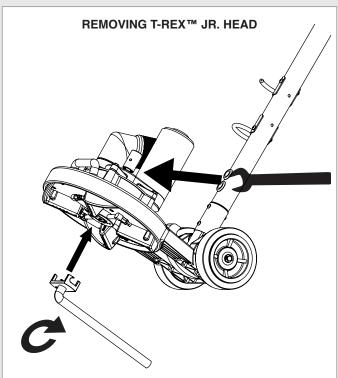
squeeze the activation lever to operate machine. To stop the

machine, simply release the lever.



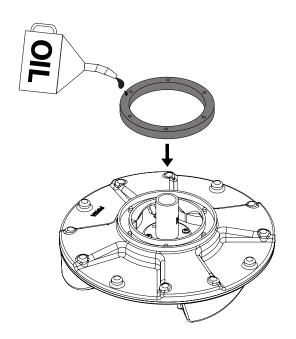


To attach the head, place the center piece of the head on the threaded piece located underneath, at the center of the T-REX<sup>TM</sup> Jr. Once on, twist counter-clockwise.



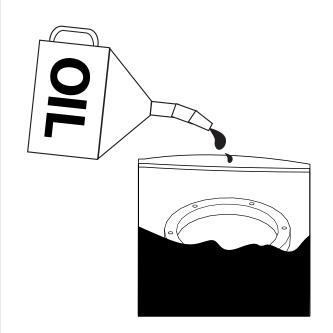
To remove, place wrench on rotary union and attach the head removal tool and twist clockwise.

#### **LUBRICATING VACUUM SEAL ON TOP OF HEAD**

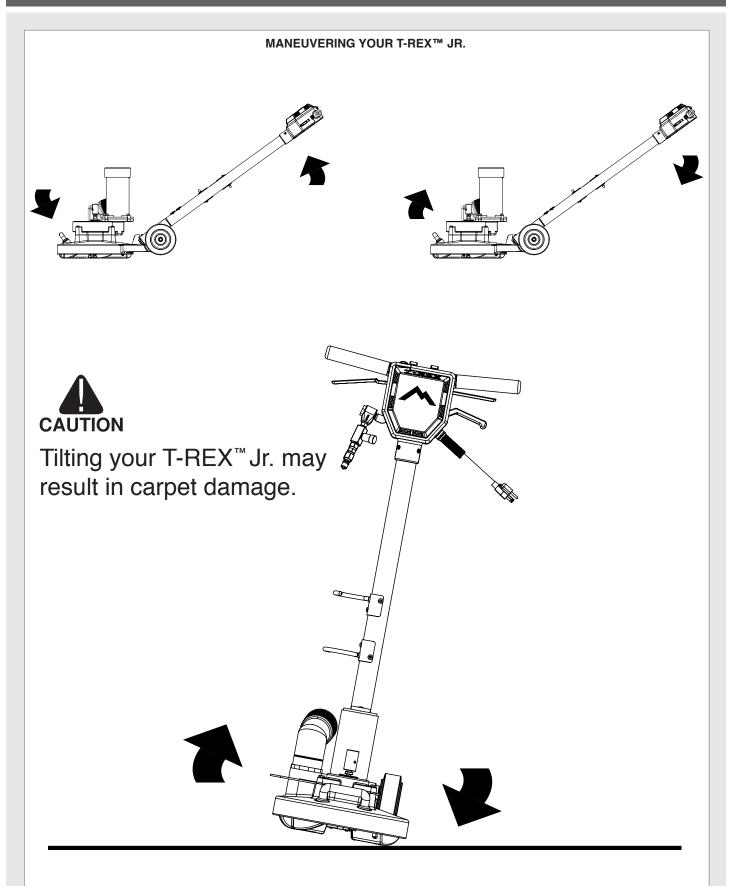


Make sure to keep your felt seal (Part # G014) lubricated. To do this, saturate the felt seal thoroughly with Mytee's lubricant (Part # PH648).

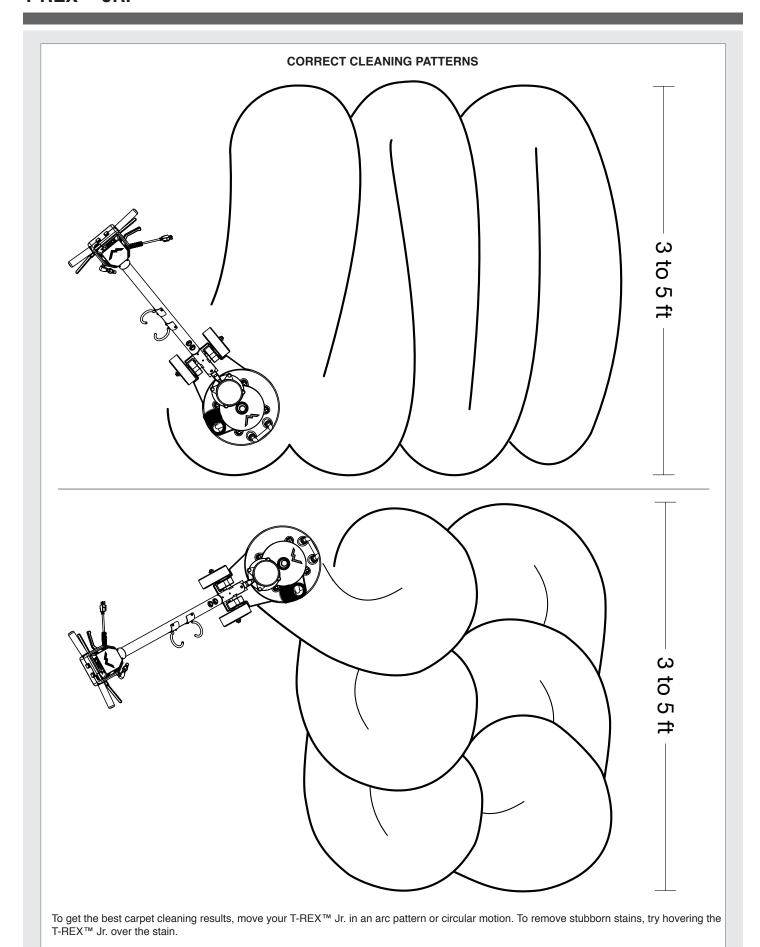
#### **LUBRICATING FELT SEAL**



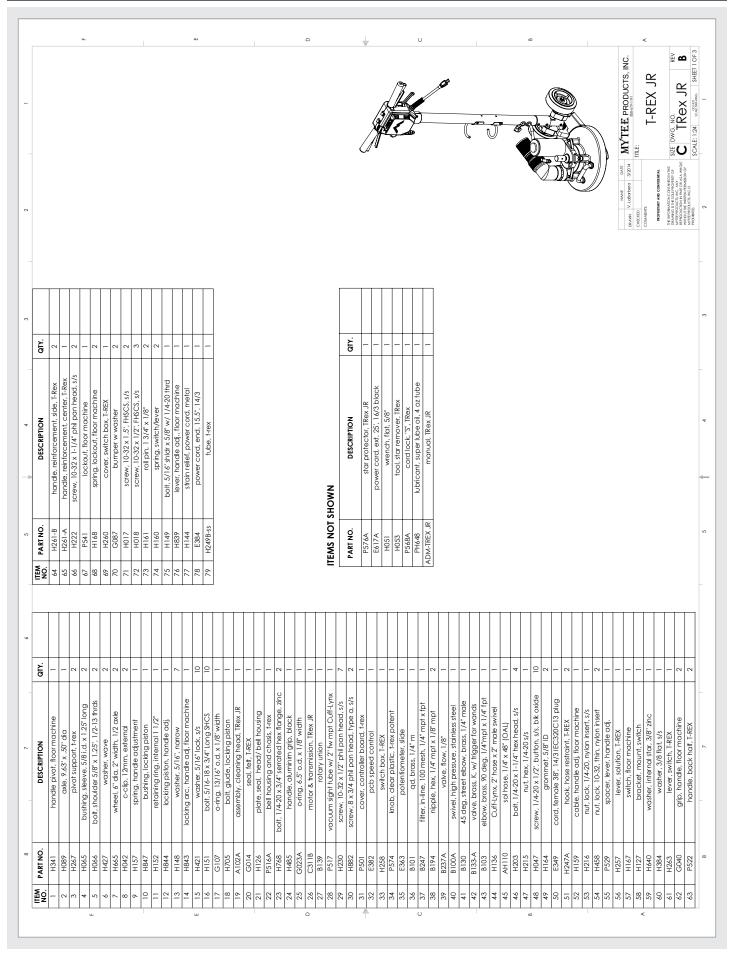
If you have run out of lubricant when it comes time to replace the felt seal, you may use a quality, 30 weight SAE motor oil in its place. Place the new felt seal in a bag along with some oil. Make sure that the entire felt seal is thoroughly lubricated.

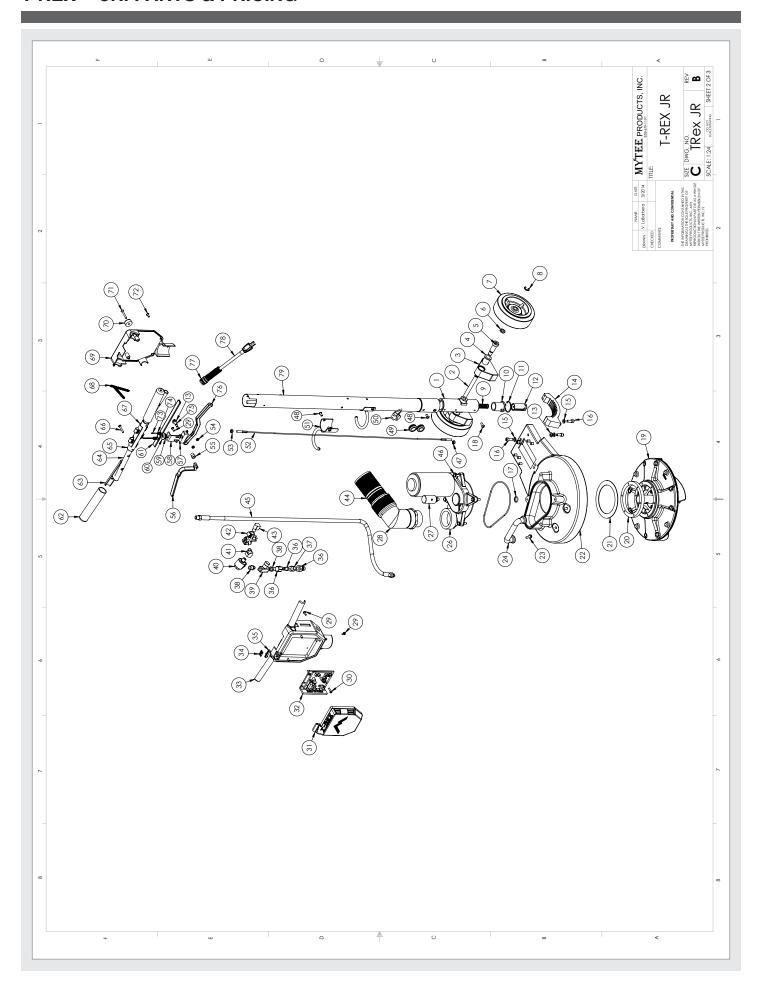


Your T-REX™ Jr. maneuvers much like a floor machine. Slightly lift handle to move to the right. Press the handle down slightly to move to the left. Tilting your T-REX™ Jr. may result in carpet damage. Remember to always keep T-REX™ Jr. evenly balanced on the surface.

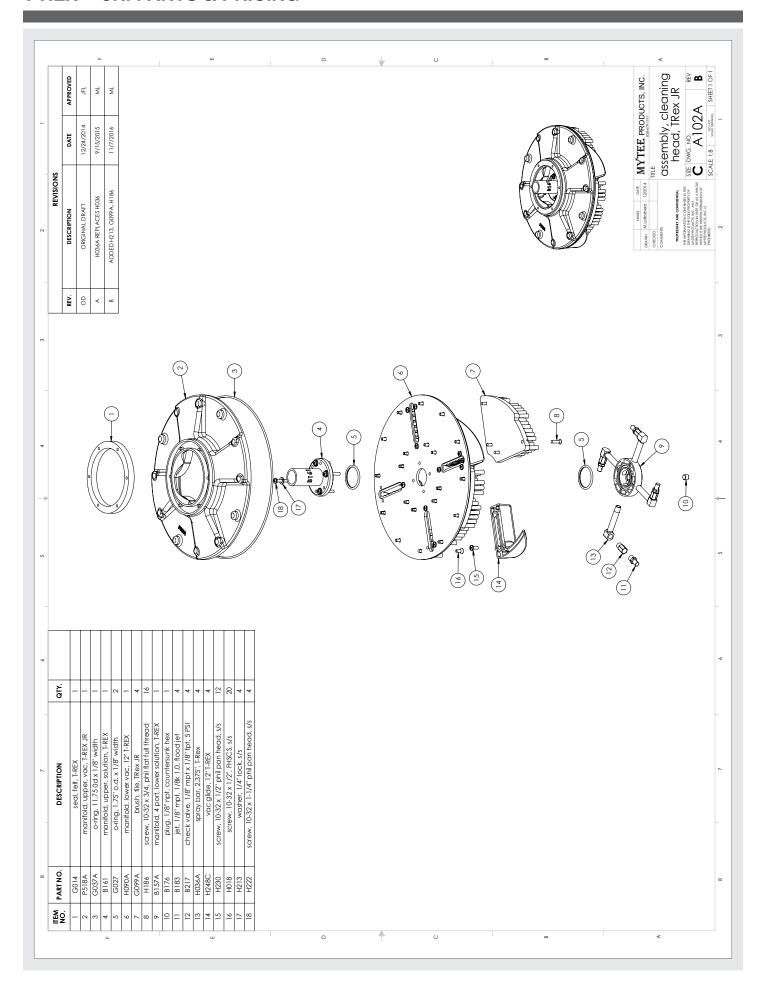


#### T-REX™ JR. PARTS & PRICING

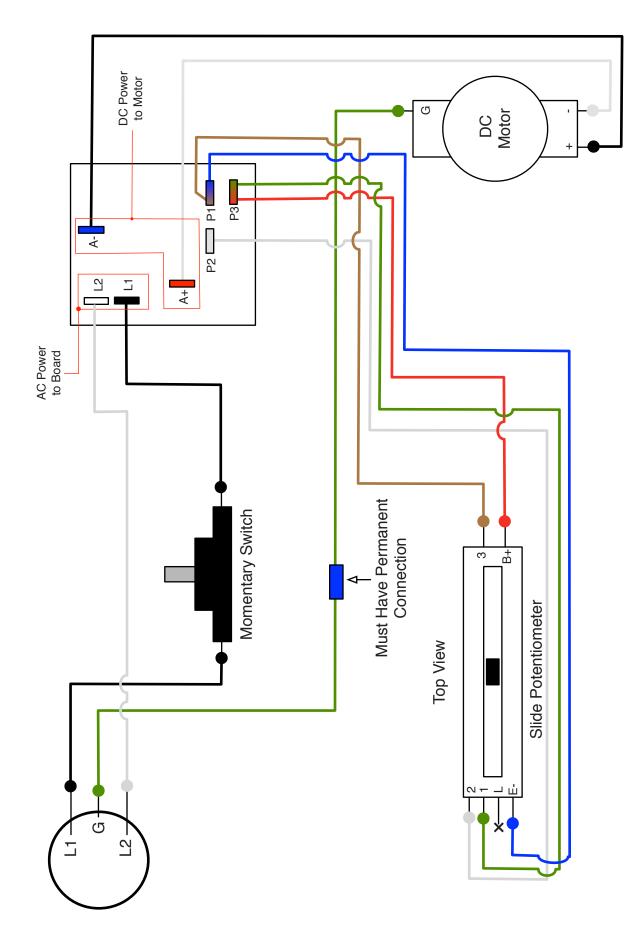




### T-REX™ JR. PARTS & PRICING

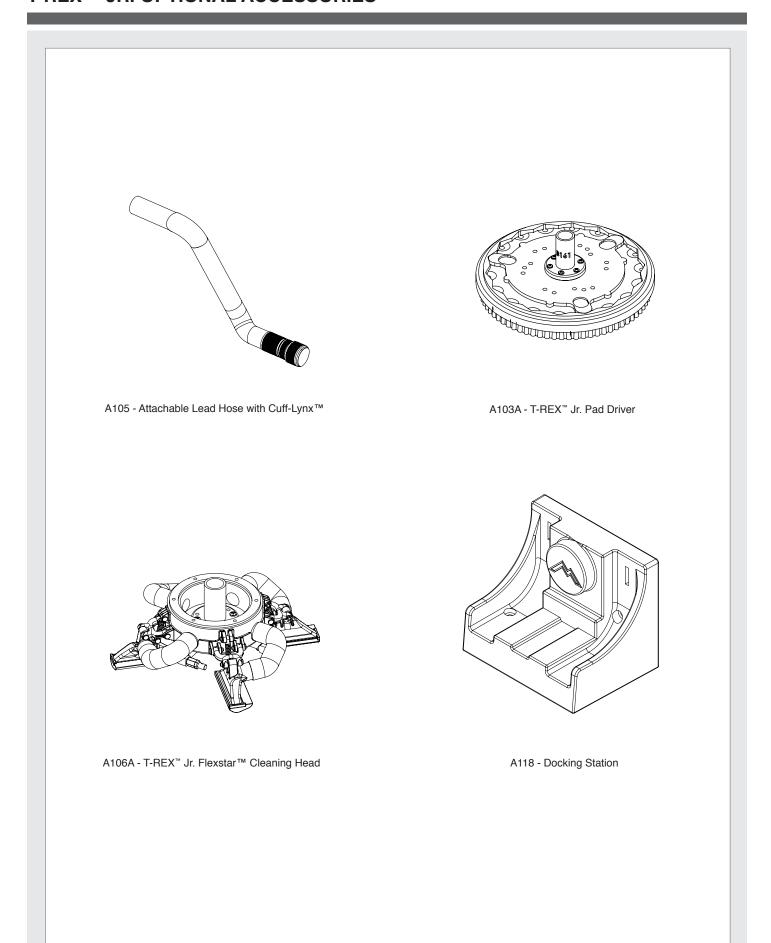


## T-REX™ JR. WIRING DIAGRAM



Note: X indicates non use

## T-REX™ JR. OPTIONAL ACCESSORIES



## **NOTES**