

Action Trackporter[®] Owner's Manual

Includes models H24, H24R, and P24.



Action Trackporter[®]

US PATENT: US10,220,760B2



Stock # _____

The Orange One!

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Action Manufacturing Inc.

1105 Lake Road, PO Box 620

Marshall, MN 56258

(507) 532-5940

www.actiontrackporter.com

Introduction

Thank you for purchasing one of the Action Trackporter® models. Every effort has been made by Action Manufacturing to provide an affordable, easy to assemble, easy to use device for the benefit and health of your employees. The Action Trackporter® was conceived and engineered by our Team at Action Manufacturing Inc. in Marshall, MN to address the needs of local pork and poultry producers and minimize labor costs and safety concerns during swine carcass removal.

The Action Trackporter® is a mortality cart and much more! It is a safe, efficient, and reliable machine for dealing with mortalities in swine and poultry operations. It is also a tool capable of hauling, pushing, and carrying a wide assortment of materiel. As a “Hog Hauler” or “Poultry Hauler”, it has a low center of gravity for safe, one person extraction of deceased livestock. By adding other attachments, the Action Trackporter® can also carry tools, vet supplies, buckets, as well as move heavy parts around the farm. Your daily maintenance is as simple as plugging in the Action Trackporter® to a standard wall receptacle. No grease zerks, no tires, no chains, and no pulleys. The Action Trackporter® models are very stable, dependable, durable, and user-friendly machines!

The Trackporter® is manufactured and sold by Action Manufacturing Inc. in Marshall, MN, builders of the Action Trackchair®, the Action Trackstander®, and the Action Trackbot®.

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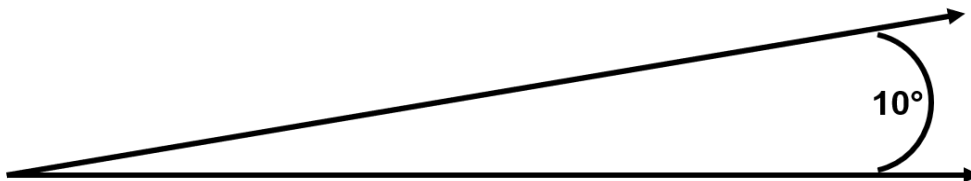
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Safety Instructions

The Action Trackporter® provides an efficient way to remove animal carcasses while also reducing the potential for employee injuries.

Please review and adhere to the following safe use guidelines.

- **Do not** ride on the Action Trackporter® during loading or unloading from vehicle or trailer.
- **Only** one person should be on the Action Trackporter® at any time.
- Keep hands and fingers away from the rotating parts of the tracks and winch.
- When approaching small inclines or declines in any surface always use caution, switch to a slower speed, and review your load. Keep the load as low as possible and proceed with caution.
- **Only** operate the Action Trackporter® while standing on or directly behind the operator's platform.
- **Turn off** the joystick when operating the winch.
- **Do not** operate the Action Trackporter® in the presence of small children.
- Periodically inspect the winch rope for damage and replace as necessary, avoid winch rope contact with sharp objects.
- **Do not** attempt to climb stairs.
- **Do not** navigate Action Trackporter® on more than a 10-degree slope.



- **Always** secure the pig to the angled shovel using the chain provided.
- **Failure to know the limits and to adhere to the above items could cause personal injury or equipment damage.**
- **Caution:** Ensure there is adequate clearance of the lowest overhead obstacle before operating the Action Trackporter® inside your building.

Trackporter® Helpful Hints

(Full instructions are included in the Owner's Manual. It is recommended each operator read and understand all the information in the Owner's Manuals before operating.)

- **Keep your Trackporter® plugged in when not in use:** Establishing a location to park and charge the Trackporter® at the end of each workday will ensure a full charge for the next use.
- **Front angled shovel adjustment:** The front angled shovel is likely set to the highest position upon delivery. Adjust the front angled shovel to the lowest setting to maintain ground clearance of the highest obstacle (e.g., thresholds) and minimize obstructions under the tracks.
- **Winch mast adjustment:** The winch mast is likely set to the lowest position upon delivery. Adjust the winch mast to the highest possible setting to maximize lifting height. While being aware of overhead clearance to minimize risk of striking obstacles (e.g., feed and water lines) within the facility.
- **Drive control joystick delay:** The operator must press and hold the joystick for 1-second (this is safety feature) before the Trackporter® begins to move in the desired direction of travel.
- **Ambidextrous winch rocker switch (H24 models):** The winch rocker switch may be stowed to the right or left of the joystick depending on operator preference. Also, the winch rocker switch may be detached for handheld use away from the operator's station.
- **Winch free wheel usage:** The winch free wheel knob allows the rapid unspooling of winch rope by hand with the twist of the red knob located at the end of the winch.
- **Keep the winch rope snug during travel:** Retract the winch rope to a snug position to prevent the pulley block from swinging freely and striking personnel or equipment.
- **Approach the carcass from the spine side:** For ease of loading, when possible, pull the carcass onto the front angled shovel with the feet pointing away from the Trackporter®.
- **Keep the pulling point as low as possible:** Attach the pulley block to either the lowest D-ring on the front angled shovel, or to the blue strap anchored to an immovable object across the alley to maintain the lowest anchor point when pulling a carcass into the aisle.
- **Use the red strap for added anchor stability:** Attach the adjustable red strap between the winch mast handle and an immovable solid point opposite the line of pull to keep the Trackporter® secure when lifting heavier loads.
- **Winch hardware maintenance increases rope longevity:** Inspect the aluminum fairlead, hooks, pucks, and pulley block for burs, cracks, or dents which may cause abrasions on the winch rope leading to premature failure.
- **Error messages displayed on the Enable 40 Joystick Controller are explained in the owner's manual.**
- **Cover the Enable 40 Joystick Controller (H24/P24 models) with the black bag or a rubber glove when pressure washing or sanitizing.**
- **Remove the remote-control when pressure washing or sanitizing (H24R models).**
- **Enjoy the ease of use, safety, and stability of your new Trackporter!!!**
- **Call (507) 532-5940 with any questions, concerns, or comments.**

General Setup

I. H24/H24R models.

A. Install the winch mast on the H24/H24R Trackporter®.

1. Measure the height of the lowest overhead obstacle inside the building where the unit will be utilized.
2. Place the winch mast inside the winch mast base.
3. Secure the winch mast with the winch mast pin at the highest possible point which maintains overhead clearance and maximizes winch lift height (see figure below).



Caution: The winch mast is likely set to the lowest position upon delivery. Adjust the winch mast to the highest possible setting to maximize lifting height. While being aware of overhead clearance to minimize risk of striking obstacles (e.g., feed and water lines) within the facility.

Note: The P24 model Action Trackporter® comes fully assembled in the crate.

Operating Instructions

I. H24/P24 Models.

A. Powering up the H24/P24 Trackporter®.

1. Rotate the main power switch on the remote-control transmitter to the “ON” position. The main power switch is located just below the right operator’s handle.



“On” Position

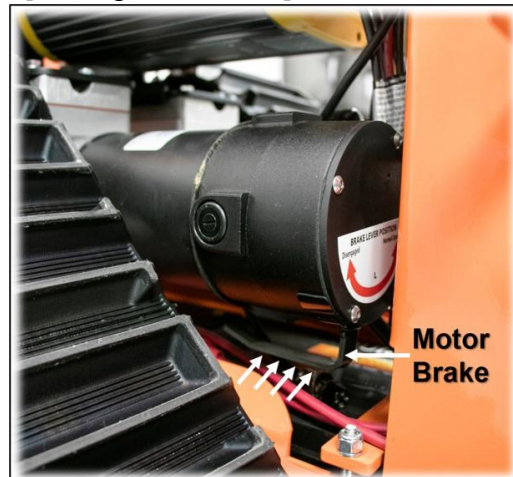
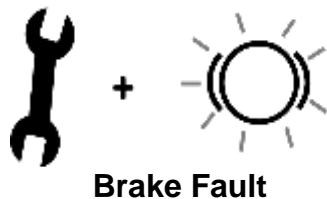


2. Depress the power “On” button on the Enable 40 Joystick [see figure below].
3. Depress the blue down arrow to select the slowest speed (number 1).



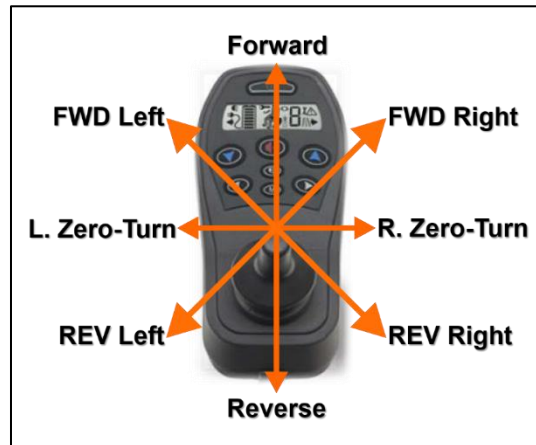
B. Driving the H24/P24 Trackporter®.

1. If you have a “Brake Fault” displayed on the Enable 40 Joystick, a brake lever was likely disengaged during shipping. Pushing both brake levers toward the centerline of the Trackporter® will remedy this error message [see figures below].



2. Pushing and holding the Enable 40 Joystick forward to the 12 o'clock position will move the Trackporter® straight forward (see figure below).
3. Pushing and holding the Enable 40 Joystick rearward to the 6 o'clock position will move the Trackporter® straight backward (see figure above).
4. Pushing and holding the Enable 40 Joystick in the 3 o'clock or 9 o'clock position will result in the Trackporter® making a zero-turn (see figure above).
5. Pushing and holding the Enable 40 Joystick in any other clock position will result in gradual turns forward and backward of varying degrees (see figure above).

Note: We recommend operating the Trackporter® in an open area to familiarize operators with the functionality and sensitivity of the controls before maneuvering in confined spaces.



C. Operating the power winch on the H24 Trackporter®.

1. Position the Trackporter® just short of the crate where the carcass is located.
2. Depress the rocker switch to pay out necessary amount of rope. Alternative: Twist the red knob on the end of the power winch clockwise to “Freespool” the winch rope.
3. Connect the pulley block to one of the following: one of two D-ring hooks on the front angled shovel, a post on the adjacent crate, or any suitable structure.
4. **(Added safety step)** Connect the red strap, attached to the winch mast, to a post on the adjacent crate to solidify the anchor point of the Trackporter® when handling very large carcasses.
5. Loop the free running end of the winch rope around the neck of the carcass.
6. Twist the red knob on the end of the power winch counterclockwise to “Engage” the power winch.
7. Depress the rocker switch to respool the rope and pull the carcass out of the crate into the aisle.

8. Disconnect the pulley block from the D-ring and continue to lift carcass onto the front angled shovel.



9. Secure the carcass with the retention chains attached to the front angled shovel before moving the Trackporter®.

Note: Refer to the manufacture's winch manual included with your Trackporter® for a full explanation of safely operating the power winch.

D. Operating the dump chute on the P24 Trackporter®.

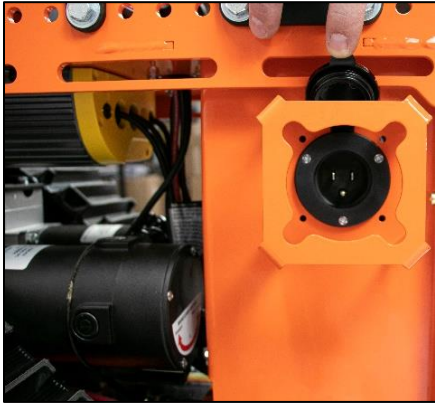
1. Pull the two chute lock pins (below each dump handle).
2. Press down each chute handle to raise the chute.



E. Charging the Trackporter®.

1. Use the extension cord provided to plug the Trackporter® into a 15A/110V wall outlet.

2. Leave the Trackporter® plugged in while not in use to ensure a full charge at next use.



Note: The battery charger on the Action Trackporter® can remain plugged in indefinitely because the charger will monitor the state of charge and reduce the charging rate as the batteries reach the fully charged state.

Note: It is recommended NOT to plug the Action Trackporter® into a switched outlet to prevent mistakenly removing power from the battery charger when exiting the building at the end of a workday.

Note: Refer to the battery charger manual included with the Trackporter® for a full description of charger functionality.

II. H24R Model (Remote Controlled).

A. Powering up the H24R Trackporter®.

1. Rotate the main power switch on the remote-control transmitter to the “ON” position. The main power switch is located just below the right operator’s handle.



“On” Position

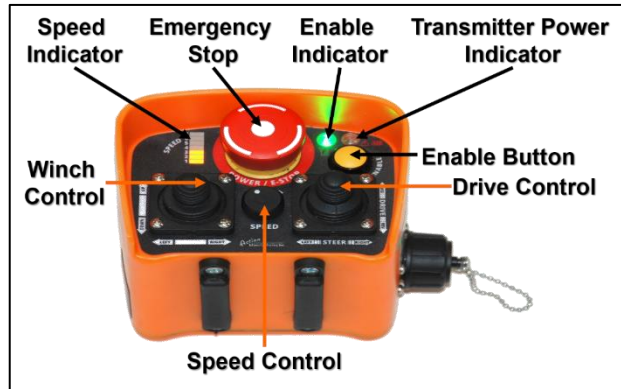


2. Press and twist the **E-Stop** button clockwise until it “pops up” and the LED lights illuminate.
3. Press and hold the **Enable** button until the **enable indicator** light illuminates and stops flashing.

Note: When the LED bars on the **speed indicator**, and the **enable indicator** light illuminates, the transmitter is ready to control the Trackporter®.

Note: The remote-control transmitter will disable after 60-seconds of no use. Repeat step 3 above If this happens.

Note: The remote-control transmitter will shut itself down after 15-minutes of no use. Repeat steps 2 and 3 above if this happens.



B. Driving the H24R Trackporter®.

1. Select a speed of 1 (7 speed selections) by turning the speed control dial counterclockwise. We recommend using speed 1 during a familiarization period.

Note: The Action Trackporter® is designed with a slow start-stop function which causes a 1-second delay from the time the drive control joystick is pushed and the Action Trackporter® begins moving.

Caution: Operate the Trackporter® at a speed of 1 or 2 when navigating confined spaces to minimize risk of injury and damaging the Trackporter® or structures.

2. Push and hold the drive control joystick to the 12 o'clock position to move straight forward.
3. Push and hold the drive control joystick to the 6 o'clock position to move backward.
4. Push and hold the drive control joystick to the 3 o'clock or 9 o'clock position to complete a left or right zero-turn.
5. Push and hold the drive control joystick to any other clock position to make gradual turns to the left and right going forward or backward.
6. Control speed on-the-move by turning the speed control dial clockwise to increase speed and counterclockwise to decrease speed. Select a higher speed when operating the Trackporter® under load to provide maximum power for the heavier loads.
7. Park the Trackporter® near a 15A/110V power source.
8. Rotate the main power switch to the "off" position (see figures below).
9. Plug the Trackporter® into a non-switched (preferred option) 15A/110V outlet until next use.

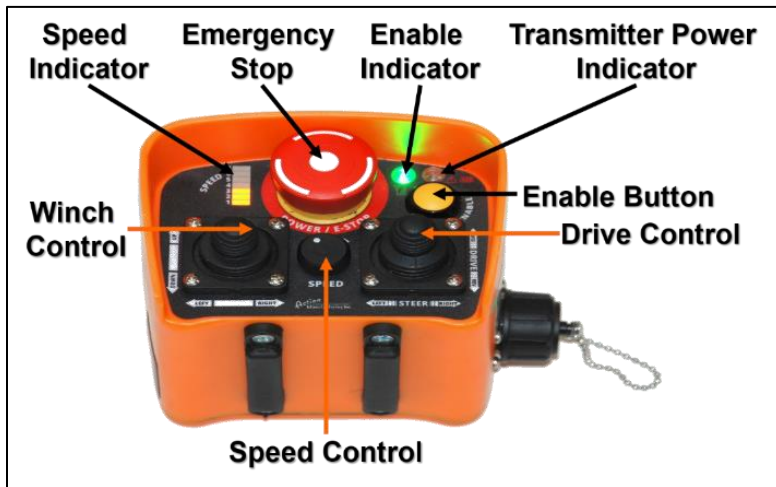


"Off" Position



C. Operating the power winch on the H24R Trackporter®.

1. Position the Trackporter® short of the crate where the carcass is located.
2. Push and hold the winch control joystick forward to pay out the necessary amount of rope.
Alternative: Turn the Freespool Knob clockwise to pay out the necessary amount of rope.



3. Connect the pulley block to one of the following: one of two D-ring hooks on the front angled shovel, a post on the adjacent crate, or any suitable structure.
4. **(Added safety step)** Connect the red strap, attached to the winch mast, to an immovable object on the adjacent crate to solidify the anchor point of the Action Trackporter® when handling very large carcasses.
5. Loop the free running end of the winch rope around the neck of the carcass.
6. Engage the free wheel knob on the power winch.
7. Pull the winch control joystick rearward to respool the rope and pull the carcass out of the crate into the aisle.
8. Disconnect the pulley block from the D-ring and continue to lift carcass onto the front angled shovel.
9. Secure the carcass with the retention chains attached to the front angled shovel before moving the Action Trackporter®.



Note: Refer to the manufacture's winch manual included with your Action Trackporter® for a full explanation of safe operating procedures of the power winch.

Maintenance

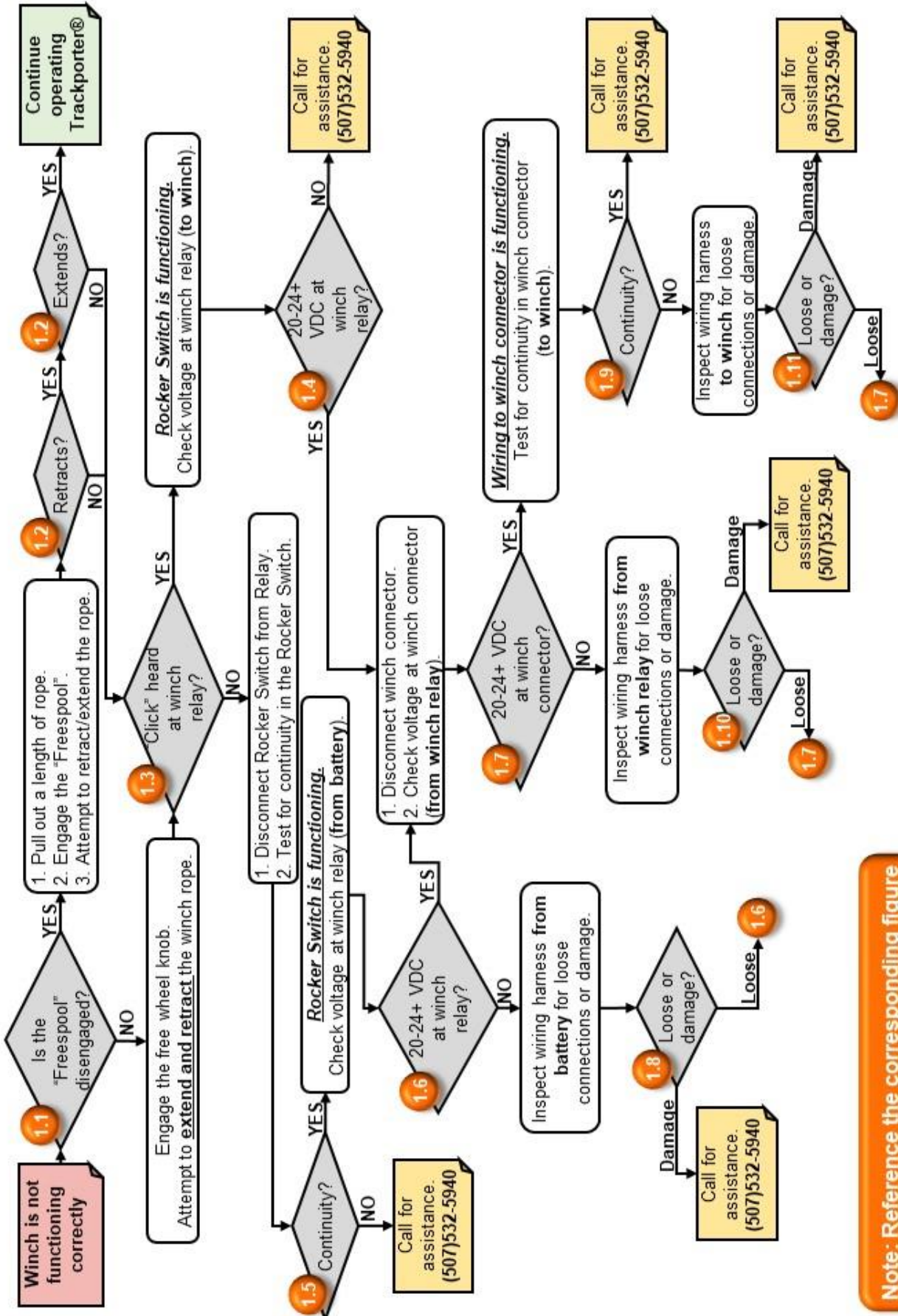
The Action Trackporter® was constructed with no grease zerks, no tires, no chains, and no pulleys to minimize maintenance and requires only periodic cleaning to maximize performance. Your daily maintenance is as simple as plugging in the Action Trackporter® to a standard wall receptacle and giving it a rinse now and then. This a very stable, dependable, durable, and user-friendly machine!

Inspect the winch hardware (e.g., aluminum fairlead, hooks, pucks, and pulley block) for burs, cracks, or dents which may cause abrasions on the winch rope leading to premature failure.

Note: Install the black cover provided over the top of the Enable 40 Joystick assembly before pressure washing or disinfecting the Trackporter®. In the event of a lost or severely damaged black cover, use a plastic bag and tape or rubber glove to protect the Enable 40 Joystick.

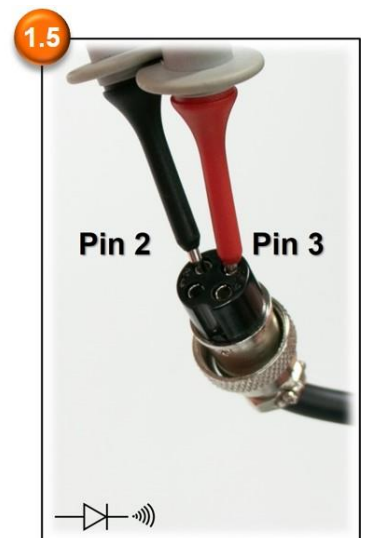
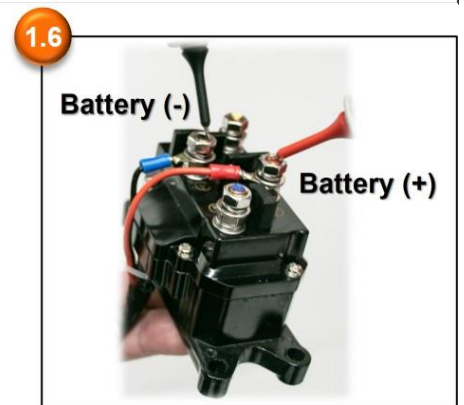
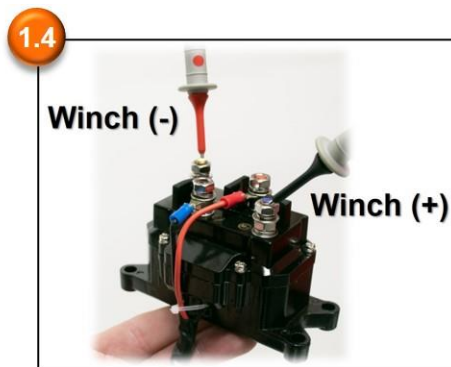
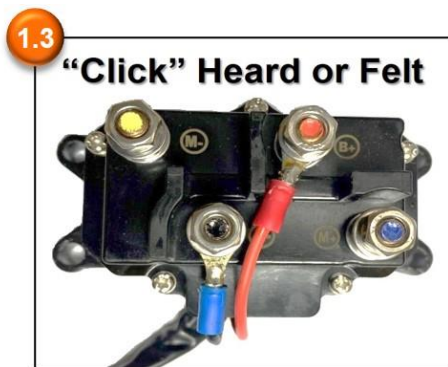
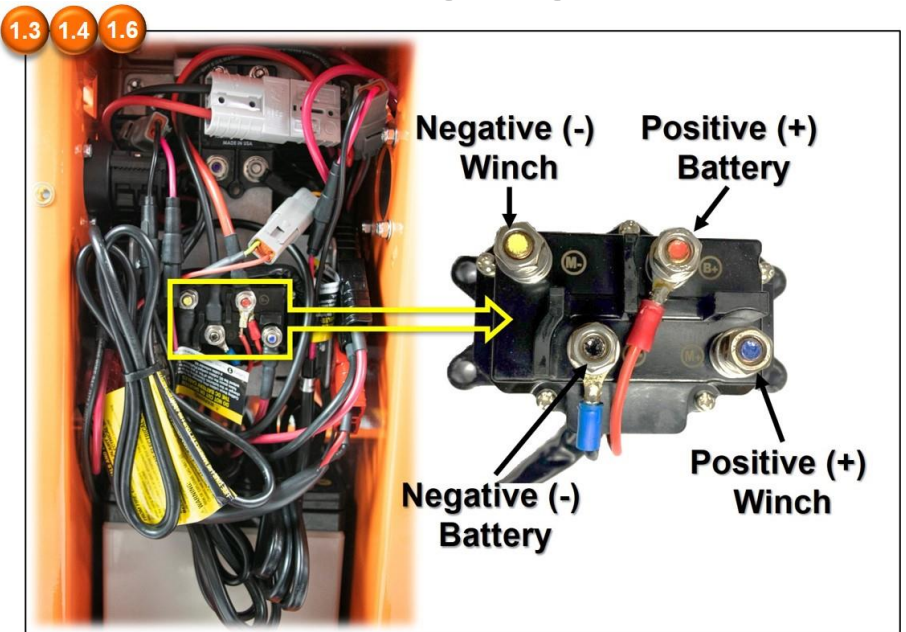
Note: The H24R (remote controlled machine) may also be pressure washed but remove the controller from the cradle before shining up the Trackporter®.

H24 Winch Troubleshooting

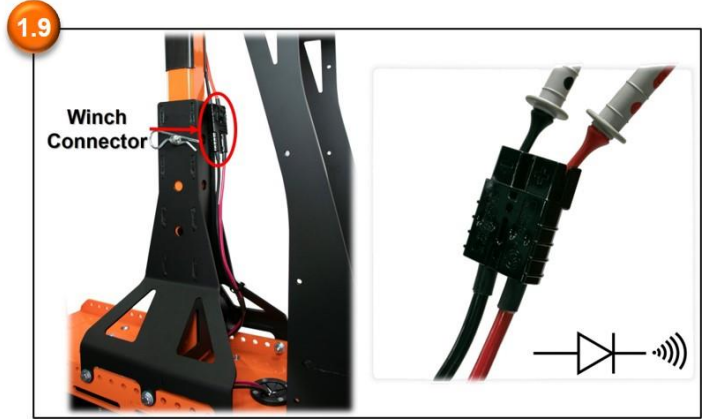
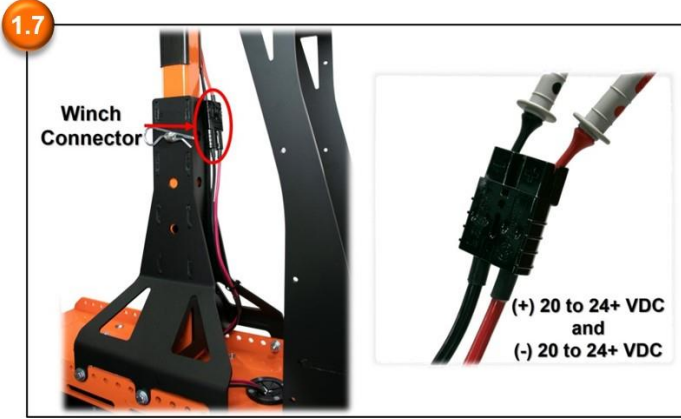


Note: Reference the corresponding figure on the "H24 Winch Figures" page for assistance in each troubleshooting step.

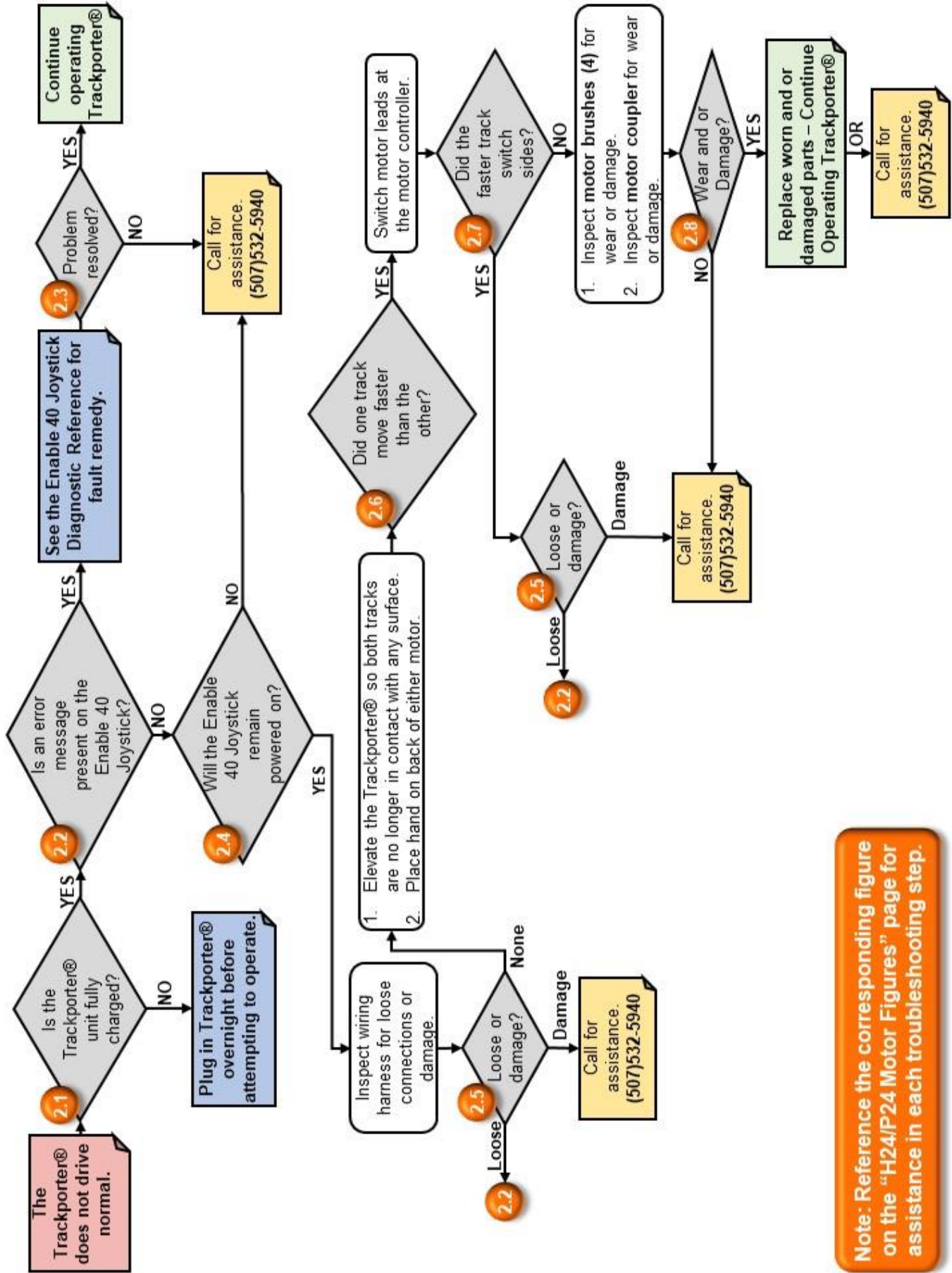
H24 Winch Troubleshooting Figures



H24 Winch Troubleshooting Figures

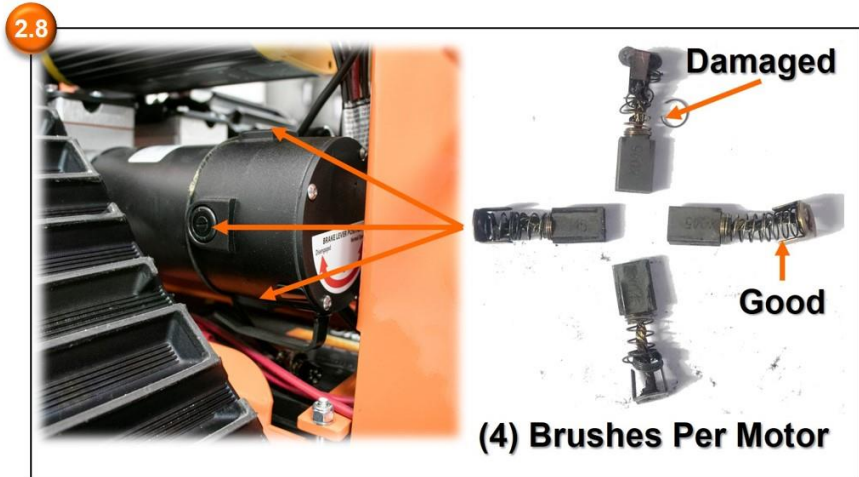
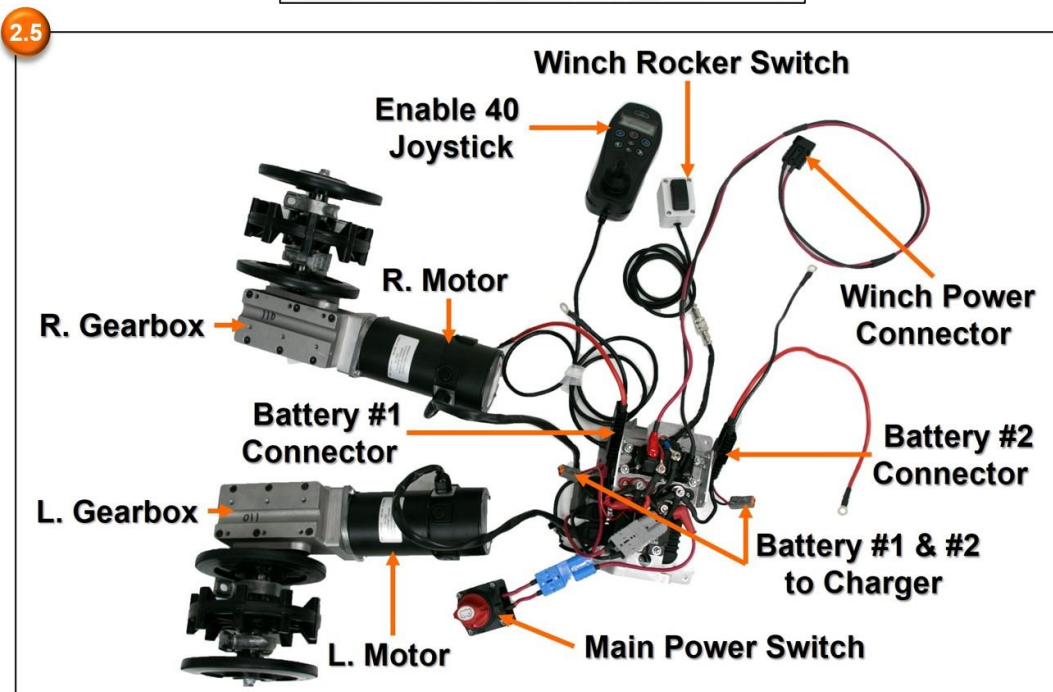
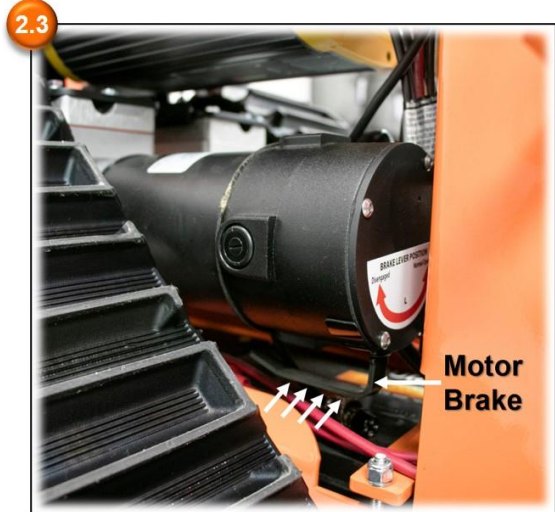


H24/P24 Motor Troubleshooting

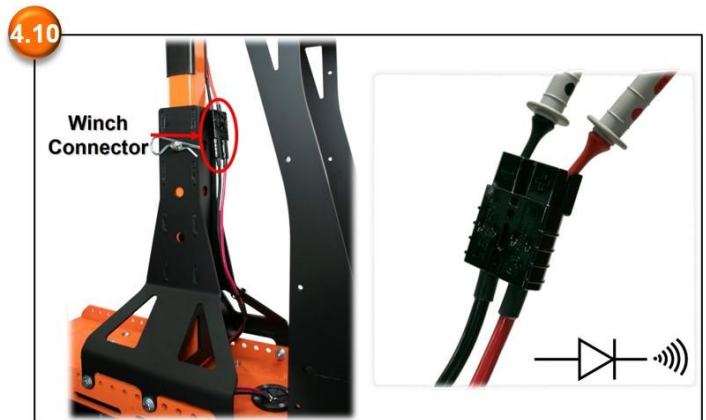
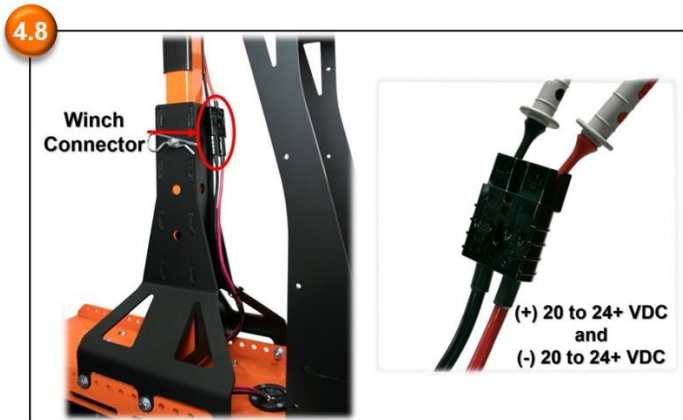
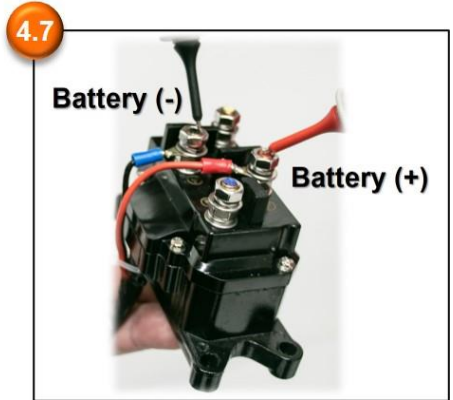
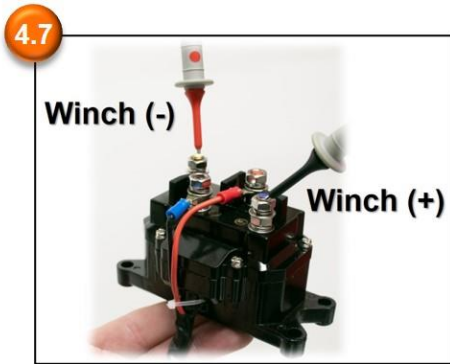
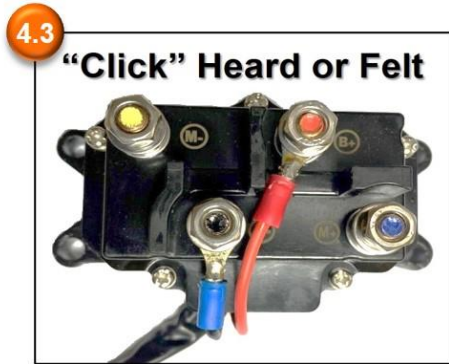
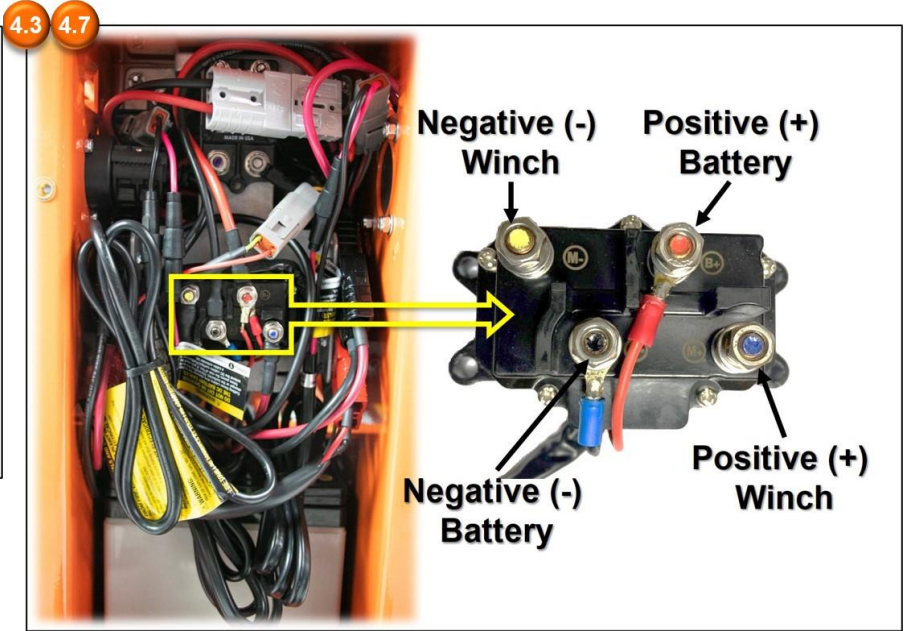


Note: Reference the corresponding figure on the "H24/P24 Motor Figures" page for assistance in each troubleshooting step.

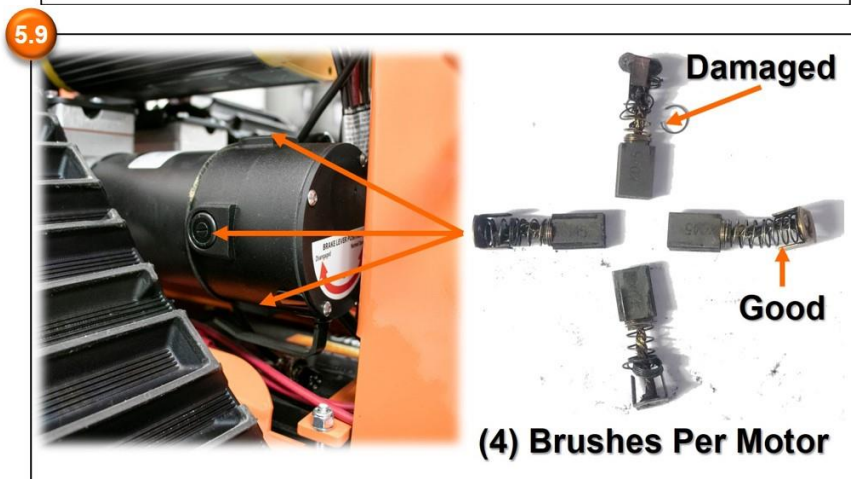
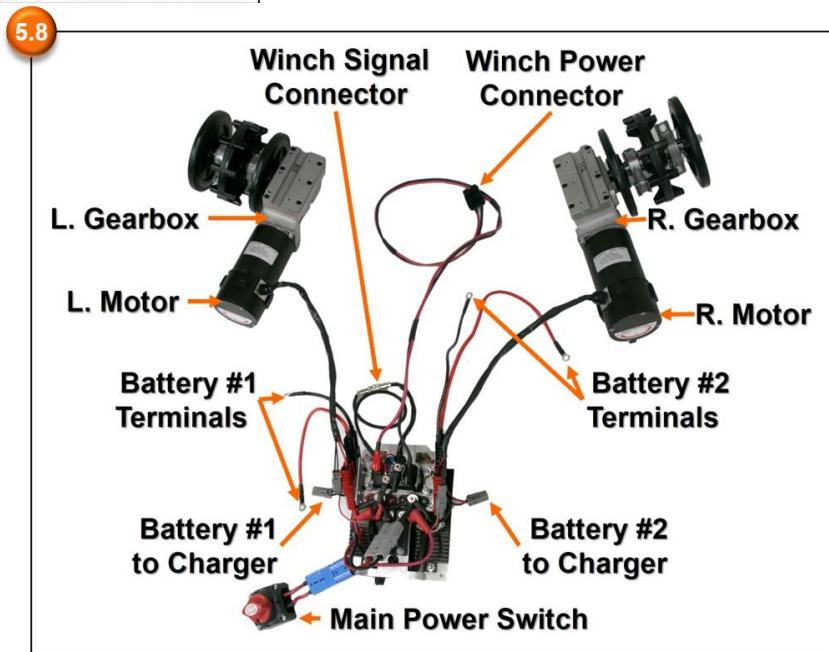
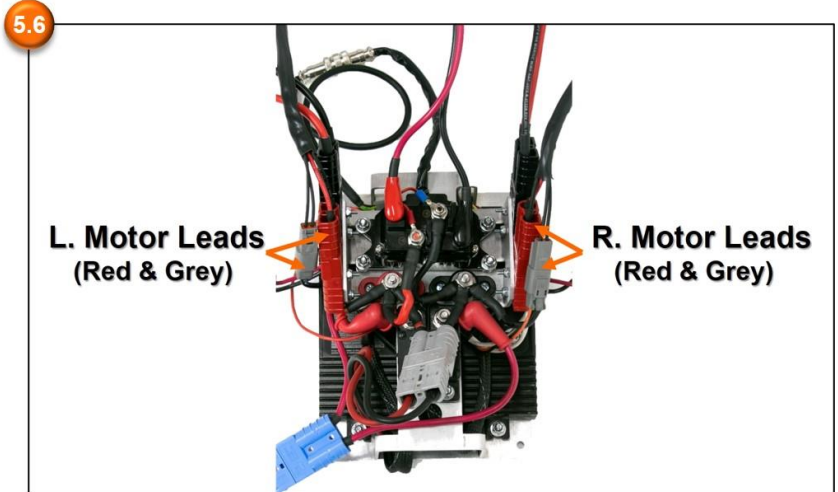
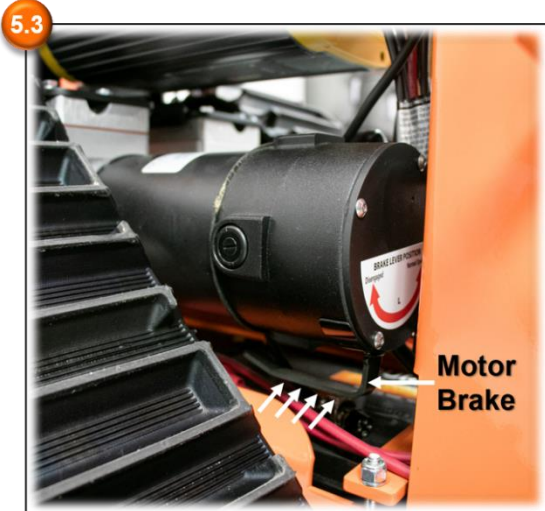
H24/P24 Motor Troubleshooting Figures







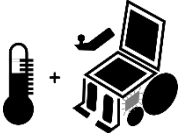

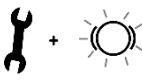
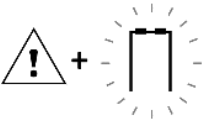
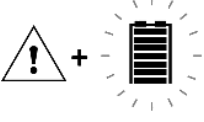


H24R Winch Troubleshooting Figures



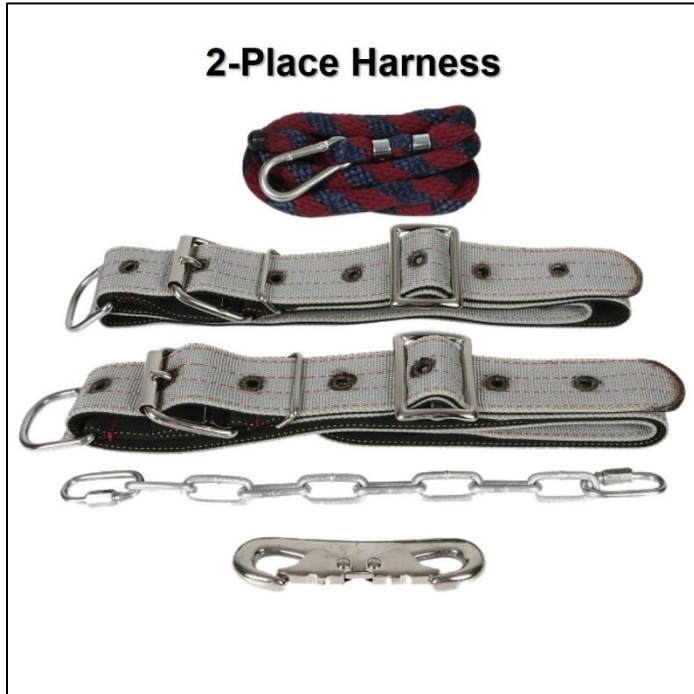
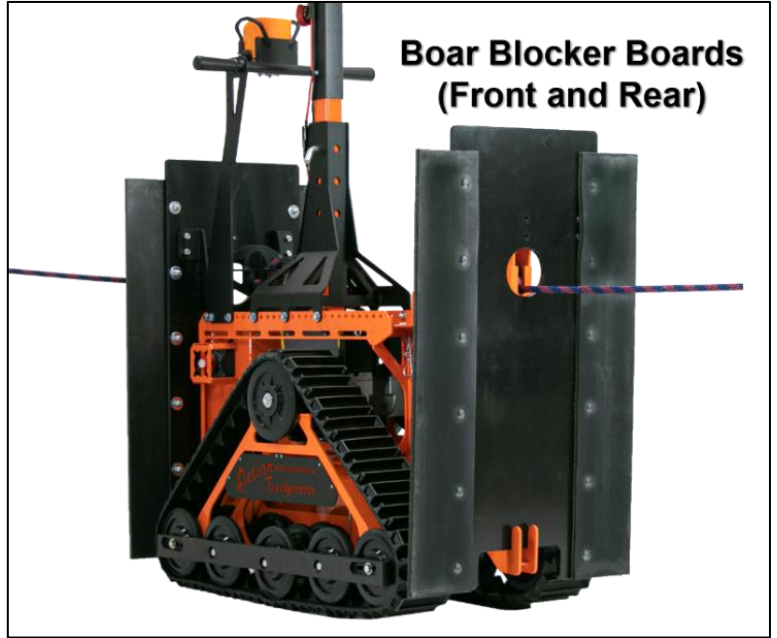
H24R Motor Troubleshooting Figures



Enable 40 Joystick Diagnostic Reference

Hand Control Display	Fault / Warning	Remedy
	Power Section Fault, Main Relay Fault, or Pre-charge Fault, or HW Failsafe Fault.	1. Cycle Power. 2. Replace powerbase.
	Joystick Fault	1. Return joystick to neutral and cycle power. 2. Recalibrate joystick. 3. Check joystick cable and cable connections. 4. Replace joystick. 5. Replace hand control.
	Communications Fault.	1. Check cable and cable connections. 2. Replace cable.
	Open Motor Fault.	1. Check wiring. 2. Replace motor. 3. Replace powerbase.
	Controller Over/Under Temperature Warning	1. If too hot, wait for controller to cool. 2. If too cold, drive Trackporter® in limited current mode until controller warms up.
	Driver Thermal Warning	1. Wait for motor to cool.
	Brake Fault.	1. Check wiring. 2. Replace motor. 3. Replace powerbase.
	Undervoltage Warning.	1. Recharge battery. 2. Replace old battery. 3. Check charger port on hand control; replace if damaged. 4. If this is happening frequently, replace charger.
	Overvoltage Warning.	1. Wait for voltage to come down. 2. Replace old battery. 3. Check charger; replace if faulty.
	Low Battery	1. Recharge Battery.
	Battery Charging; Inhibit	1. Unplug charger when charging is complete.

Accessories



Warranty

Action Manufacturing Inc., 1105 Lake Road, PO Box 620, Marshall, MN 56258 gives a ONE YEAR LIMITED WARRANTY on all components of your Action Trackporter® against defects in material or workmanship.

1-Year: The following components are covered against manufacture defects in materials and workmanship for the period of one year.

- Batteries
- Motor Control Box
- Enable 40 Joystick (H24 and P24 models)
- Remote-Control Transmitter (H24R models)
- Motors
- All Sprockets and Idler Wheels
- Parts and Labor

3-Year: The following components are covered against manufacture defects in materials and workmanship for the period of three years.

- Tracks (1st Year – Parts and Labor / 2nd and 3rd Years – Parts Only)
- Frame Welding (1st Year – Parts and Labor / 2nd and 3rd Years – Parts Only)

This warranty covers parts and labor charges for repair or replacement of defective parts and begins on the date of delivery to the original purchaser. This warranty is not transferable to another owner.

This Action Trackporter® limited warranty excludes any failures that are not caused by a defect in material or workmanship. THIS WARRANTY DOES NOT COVER CLAIMS OF DEFECTIVE DESIGN. This warranty also does not cover acts of God, accidental damage, normal wear and tear, abuse, or improper handling. This warranty also does not cover any Action Trackporter® component, or part that has been altered structurally, modified, neglected, improperly maintained, or purposes other than for which it was designed.

This warranty excludes damages or failures caused by external stress, heat, cold or contamination; abuse, accident, fire; operator error or abuse; improper component alignment, tension, adjustment or altitude compensation; snow, water, dirt or other foreign substance ingestion/contamination; improper maintenance; modified components; use of aftermarket or unapproved components, accessories, or attachments; use of unapproved software or calibration; unauthorized repairs; or repairs made after the warranty period expires or by an unauthorized repair center.

This warranty provides no coverage for personal loss or expense, including mileage, transportation costs, hotels, meals, shipping or handling fees, product pick-up or delivery, replacement rentals, loss of product use, loss of profits, or loss of vacation or personal time.

If your Action Trackporter® requires warranty service, you must contact the Action Trackporter® Sales and Service Representative at Action Manufacturing, Inc. When requesting warranty service, you must provide the stock number of the Action Trackporter® to the service representative and return all warranty parts to Action Manufacturing Inc. for warranty determination and verification. (THE COST OF TRANSPORTATION TO AND FROM ACTION MANUFACTURING INC. IS YOUR RESPONSIBILITY.)

Action Manufacturing Inc.

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Parts List

Located online at www.actiontrackporter.com webpage under the Service / Maintenance page.

Action Trackporter®

US PATENT: US10,220,760B2



The Orange One!

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