

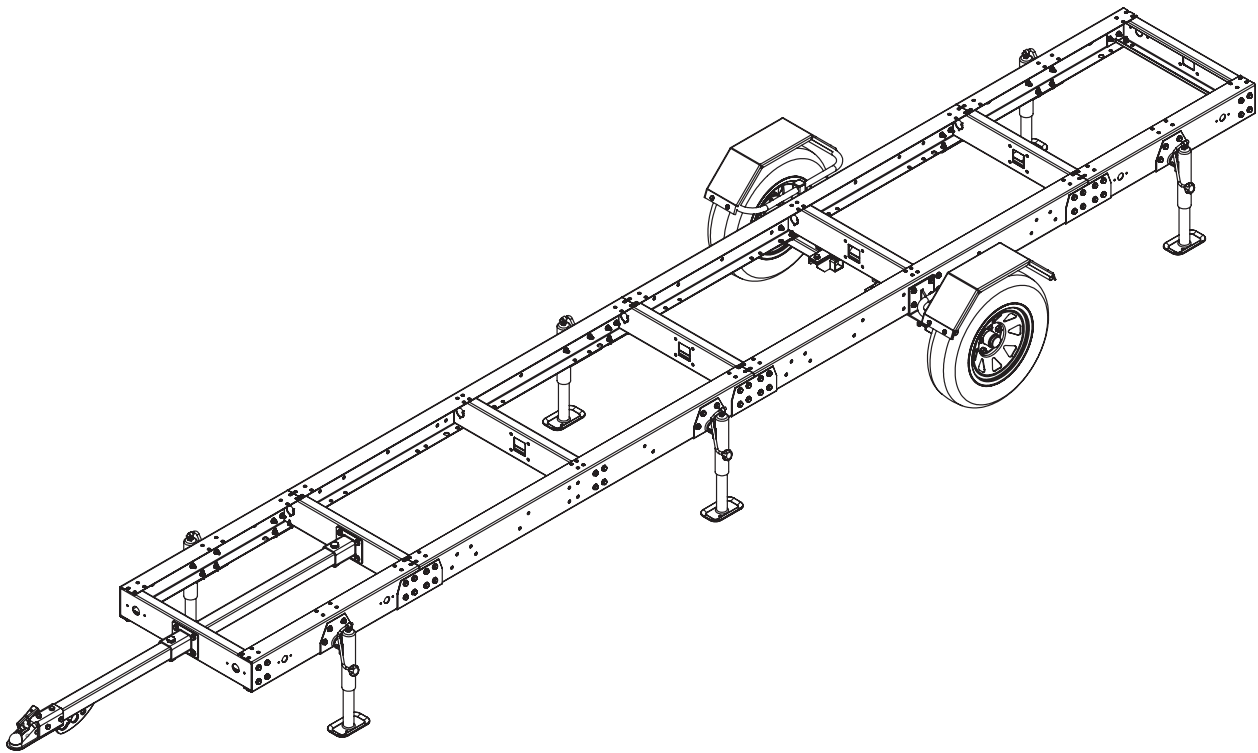


Item 86001

Sawmill Trailer

for 26 in. Portable Sawmill (Item 22648)

Owner's Manual



⚠ WARNING

This trailer is intended for OFF ROAD use ONLY. It is **NOT** intended for use on public roads or highways. Always using an approved helmet and protective gear **COULD SAVE YOUR LIFE!**

Federal, state, provincial, and municipal governments have different regulations pertaining to operating off road vehicles. Learn and follow the regulations in your area.



⚠ WARNING

**READ AND UNDERSTAND THIS INSTRUCTION MANUAL
PRIOR TO USING THIS PRODUCT. FAILURE TO DO SO MAY
RESULT IN SERIOUS INJURY OR DEATH.**

Keep this instruction manual for future reference.

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

The safety instructions provided in this manual are not intended to cover all possible conditions and practices that may occur when operating, maintaining and cleaning power equipment.

Always use common sense and pay particular attention to all the DANGER, WARNING, CAUTION and NOTICE statements in this manual.

WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
 DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE	Addresses practices not related to personal injury.
CAUTION	

Maintain labels. Labels on this product, if applicable, carry important information. If unreadable or missing, contact Star-Asia USA, LLC for free replacement labels.

The label on your tool may include the following symbols. The symbols and their definition are as follows:

Symbol	Property or Statement
	Safety Alert Symbol
	Read and understand this instruction manual prior to using this product.
	Wear ANSI approved (or applicable national standard) goggles or properly fitted protective glasses with top and side protection.

Symbol	Property or Statement
	Use approved hearing protection such as ear plugs or ear muffs.
	Use NIOSH approved dust mask or respirator.
	Wear anti-vibration gloves when operating.

INTENDED USE

Designed to be used with the BOZEMAN 26 in. Portable Sawmill (Item 22648), this Sawmill Trailer is used to provide additional portability, allowing the user to move the sawmill to the site, and to move the sawmill to it's storage area after use or at the end of the season. Built from heavy gauge steel, the Sawmill Trailer can be set up for either the two or three length track machine configurations. Six leveling jacks are included to make set-up fast and easy. The Sawmill Trailer is NOT configured for use on public roadways and is intended for off-road use ONLY. Consult with your federal and state transportation departments regarding trailer safety regulations.

SPECIFICATIONS

Specification	Value
Overall Length (3-section, w/ Tow bar)	23 ft. (7 m)
Trailer Width (w/removable fenders)	53-1/2 in. (136 cm)
Trailer Axle(s)	Independent Torsion Suspension
Trailer Wheels	165/70 R13 Tubeless Radial
Wheel Lug Pattern	5 x 4.5 (5 x 114.3 mm)

Specification	Value
Number of leveling jacks	6 Pipe-mounted, Swivel Type
Hitch Coupler Type/Rating	2 in. SAE Class 2 Ball Hitch / 3,500 lbs.
Weight (less sawmill)	814 Lbs. (370 kgs.)
Package Dimensions L x W x H	84 in. x 25 in. x 20 in. (213 cm x 64 cm x 51 cm)
Bed Height (Jacks retracted/extended)	20-1/2 in. / 26-3/8 in. (52 cm / 67 cm)

UNPACKING & INSPECTION

When unpacking, please inspect the product carefully to ensure the product is intact and undamaged. If any parts are missing or broken, please call 1-800-386-0191 as soon as possible.



WARNING

Do not use this product if damaged during shipment, handling, or after misuse.

Do not use the product until the parts have been replaced or the fault rectified. Failure to do so may result in serious personal injury or property damage.



WARNING

The trailer and its parts are heavy. It is recommended a minimum of two people are needed for unpacking, lifting, moving, and assembling.

Follow proper lifting techniques at all times as recommended by the Occupational Safety and Health Administration.

Remove the parts and accessories from the packaging and inspect for damage. Make sure that all items in the contents are included.

Package contents : **See Parts List**

GENERAL SAFETY RULES



WARNING

READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS. Failure to follow the warnings and instructions may result in electric shock, serious injury and/or DEATH.

Save this instruction manual for future reference.

WORK AREA SAFETY

- Assemble, adjust, and operate in a safe work environment. Keep your work area clean, well-lit and free of distractions. Place lights so you are not working in a shadow.
- Keep anyone not wearing appropriate safety equipment away from the work area.
- If working alone, always arrange to have someone check on you at pre-arranged, regular intervals.
- Keep out of reach of children.
- Do not use in the presence of flammable gases, dust, or liquids.

PERSONAL SAFETY

- Wear Personal Protective Equipment (PPE) approved by the American National Standards Institute (ANSI) or the Canadian Standards Association (CSA).
- Always wear impact safety goggles or eye wear that provide front and side protection for the eyes. Eye protection equipment should comply with ANSI Z87.1 or CSA Z94.3-07 standards based on the type of work performed.
- Wear hearing protection with an appropriate Noise Reduction Rating to withstand increased decibel levels when working near engines.
- Control the tool, personal movement and the work environment to avoid personal injury or damage to the equipment.
- Do not operate, adjust, or perform maintenance on any part of this trailer when tired or under the influence of drugs, alcohol, or medications.
- Wear protective clothing designed for the work environment and equipment.
- Avoid wearing clothes or jewelry that can become entangled when operating or working on the trailer. Keep long hair covered and bound.
- Wear gloves that provide protection based on the work materials.
Note: Do not wear gloves when operating a tool that can snag the material and pull the hand into the tool.
- Do not overreach when using. Wear non-skid footwear to maintain proper footing and balance and to enable better control in unexpected situations.
- Keep fingers away from the pinch points around the trailer.
- The operator's ability to safely operate this off-road equipment is largely dependent upon the operator's ability to exercise proper judgment. The operator must be of sufficient age, understanding, mental capacity, and physical capability to safely operate this equipment. ALWAYS FOLLOW THE RECOMMENDED AGE RESTRICTION OF 16 YEARS FOR OPERATORS.

SPECIFIC SAFETY PRECAUTIONS



WARNING

DO NOT let comfort or familiarity with the product (gained from repeated use) replace strict adherence to the tool safety rules. If you use this tool unsafely or incorrectly, you may suffer serious personal injury.



WARNING

Using a trailer that is incorrectly assembled or installed can be very dangerous. If you do not feel completely comfortable or confident in assembling or installing, seek the services of a competent and qualified technician to assemble and install it for you.

- Use the correct tool for the job. This equipment was designed for a specific function. Do not modify or alter this equipment or use it for an unintended purpose.
- Do not use the trailer if any parts are damaged, broken or misplaced. Repair or replace the parts.
- Do not use the trailer if it appears or sounds to be operating abnormally. Seek a qualified technician to repair and verify the trailer and its components are operating correctly before using.
- Assembly, maintenance, and/or repair of the trailer and its components should only be performed by persons of sufficient mechanical skill, experience, and judgment (such as outdoor equipment dealers, motorcycle dealer/shops, or power equipment repair shops) so that no unsafe condition or modification is made.
- Loose clothing, long hair, or articles worn by an

- operator must be fully contained or covered to prevent being caught in any rotating parts.
- Ensure the ATV or UTV power is OFF and the brakes are locked prior to hitching, loading, and unloading of the trailer to avoid unintentional movement.
 - Never use the trailer if the hitch coupler latching mechanism is not functioning correctly.
 - Avoid backing up using this trailer. Backing up may cause binding, over-travel, and bending of the universal joints or coupler, resulting in damage to the vehicle or serious personal injury.
 - Keep hands and fingers away from pinch points when using, adjusting, setting-up, and at installation.
 - Attach the trailer to a vehicle that is on a surface that is stable, level, and not slippery.
 - Place the towing vehicle in park, turn off the engine, engage the emergency brake, and block the towing vehicle to prevent movement prior to attaching the tow bar coupler to the hitch ball.
 - ALWAYS use the provided Sawmill Carriage Retaining Hardware and ensure the sawmill carriage cannot move or tip during transportation.
 - Use additional tie down straps (not included) to provide added stability of the sawmill carriage.
 - Ensure the safety chain is properly connected before towing.
 - Check to ensure all fasteners are tight and that the hitch coupler latching mechanism is operating correctly prior to use.
 - WHEN OPERATING, ALWAYS TOW SAFELY:
 1. SLOW DOWN. A towed trailer that sways or seems unstable is dangerous. DO NOT continue towing if instability continues. Gradually slow down, move to a safe location, and inspect all connections. A towed trailer that is stable at slow speed may not be stable at high speed. Stability decreases when going down hill.
 2. Installation must be in accordance with the instructions detailed herein.
3. Ensure the trailer and vehicle are on a level surface and the coupler is level within 5 degrees when attaching.
 4. Check that the leveling jacks have been fully retracted and securely placed in the stowed position, and ensure any wheel chocks or blocking have been removed.
 5. Do not allow passengers to ride on the trailer.
 6. Allow for an increased stopping distance due to the added tow weight.
 7. Allow for an increased turning radius when turning.
 8. Do not back up with a trailer in tow.
 9. Adjust the coupler for proper fit to the ball and check all connections before and often during each trip.
- Wet, slippery, rough, or steep terrain is potentially dangerous and may result in injury if proper caution is not observed. Slow speeds are required to safely operate this trailer under these conditions. The operator must use mature judgment, skill, and experience to choose a speed suitable for terrain and riding conditions.
 - Disconnect the trailer from the ATV or UTV and chock the wheels after each use and before servicing the trailer.
 - Always extend the leveling jacks, ensuring they are touching the ground and the trailer is level, prior to un-fastening the sawmill carriage.
 - Operators under 18 years of age must be appropriately supervised by an adult at all times while operating this equipment.
 - Operation of this trailer requires skills acquired through practice over a period of time. Take time to learn the basic techniques well before operation of the trailer and any of its components.
 - Operate only on safe and familiar terrain. Avoid steep inclines, and allow for extra braking distances, especially on wet surfaces.

ASSEMBLY & INSTALLATION



WARNING

This is a complex and dangerous machine. The trailer and its components can be dangerous when assembled incorrectly. If you do not feel completely comfortable assembling it, then seek the services of a qualified technician to assemble it.

The trailer will need to be assembled by the user or by a competent technician. Follow these steps to ensure proper assembly.

Tools needed for assembly:

- Metric open-end/box end wrench set
- Torque wrench up to 350 ft-lbs
- Socket driver and metric sockets
- Framing Square / Tape Measure

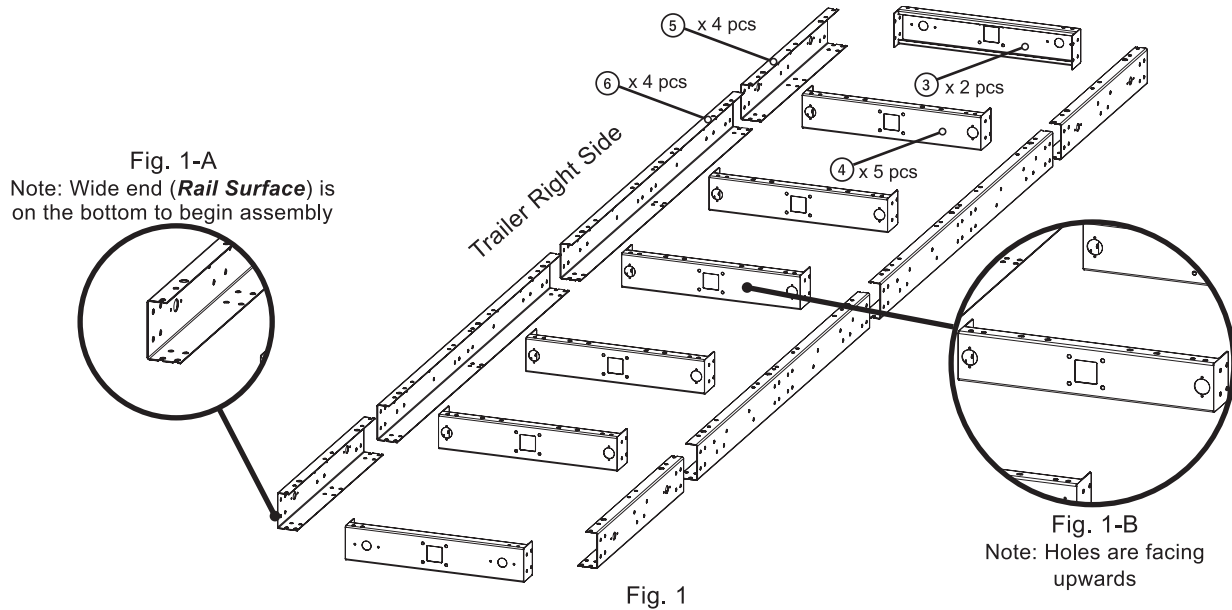
ITEMS IN PARENTHESIS () REFER TO THE ITEM NUMBERS IN THE PARTS LIST.

Step 1: Open the shipping crate. Open the shipping crate and remove any plastic covering.

Step 2: Unpack the accessible items. With the top removed carefully remove each piece and set them aside. Remove any plastic covering. Place similar items together to easily find them.

Step 3: Check that the parts are correct. Check that parts match the items in the parts list and that the quantity is correct. If any parts are missing or broken, contact Star-Asia at 1-800-386-0191 as soon as possible.

Step 4: Lay out the frame parts. In a well-lit area with enough room to assemble and move the trailer around, lay out the rail beams (#5 & #6) as shown in Fig. 1. Ensure the orientation is such that the sawmill rail surface on the short and long Rail Beams is down (Fig. 1-A). Lay the cross beams (#3 and #4) as shown in Fig. 1, ensuring the orientation of the mid section crossbeams are as shown (Fig. 1-B).

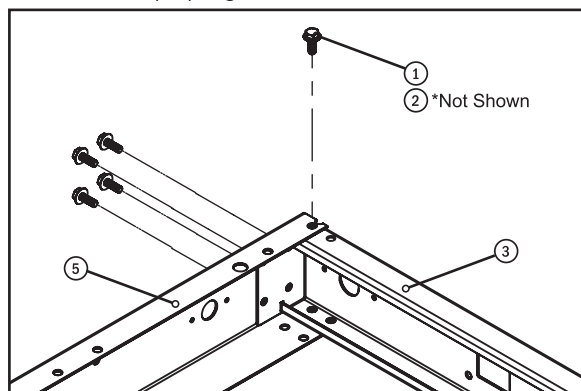


NOTE: There are no bolts that pass through the Rail Surface when assembling the trailer. The holes on this surface are for mounting the sawmill tracks and log supports.

NOTE: Start the assembly by building one side first, then proceed to the other side. Because the trailer bed is being assembled upside down, the side shown being assembled, although on the left side of the drawing, is the right side of the trailer as noted in Fig. 1, until directed to turn the trailer frame over.

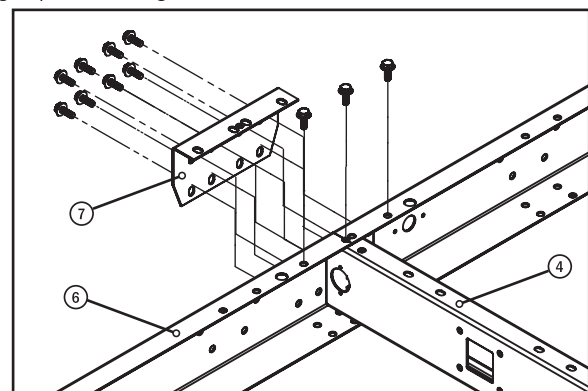
NOTE: Fasten the bolts so the parts can move slightly; this will allow slack in the assembly to make aligning the holes easier. Once the frame is together, then tighten as directed.

Step 5: Bolt one corner. Using five of the M10 x 30mm bolts (#1) and M10 Nuts (#2), bolt the Short Rail Beam (#5), and End Crossbeam (#3) together to form the corner of the frame (Fig. 2). Do not tighten the bolts.

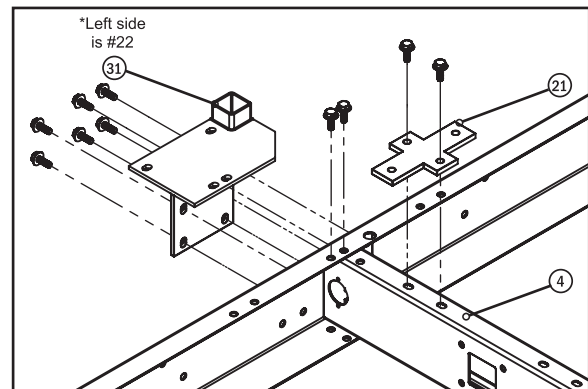


NOTE: If you are using the trailer for a **2-rail configuration**, only two Long Rail Beams (#6) and three Mid Cross Beams (#4) will be used.

Step 6: Bolt the Short and Long Rail Beams (#5 & #6) together. Butt the short Rail Beam (#5) from the previous step against the Long Rail Beam (#6) and place one of the Connecting Plates (#7) onto that joint. With the Mid-Cross Beam (#4) aligned with the holes, use 11 M10 x 30mm bolts (#1) and M10 Nuts (#2) as shown (Fig. 3) and loosely fasten.



Step 7: Assemble the Axle Supports. Place the Axle Stand-(Right #31, or -Left #22 when assembling the left side) onto the center of the Long Rail Beam (#6) with the Mid-Cross Beam (#4) aligned with the holes and fasten loosely with eight M10 x 30mm Bolts (#1) and Nuts (#2), then place the Axle Connecting Plate (#21) onto the Cross Beam (#4) and fasten with two M10 x 30 mm Bolts (#1) and Nuts (#2) as shown (Fig.4).



NOTE: If you are using the trailer for a **2-rail configuration**, skip STEPS 8 and 9. **GO TO STEP 10.**

Step 8: Connect the two Long Rail Beams (#6). Butt the two long Rail Beams (#6) together and place one of the Connecting Plates (#7) onto that joint. With the Cross Beam aligned with the holes, use 11 M10 x 30mm bolts (#1) and M10 Nuts (#2) as shown (Fig. 3) and loosely fasten the parts.

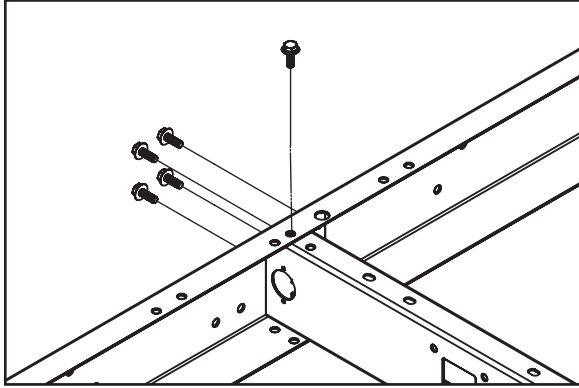


Fig. 5

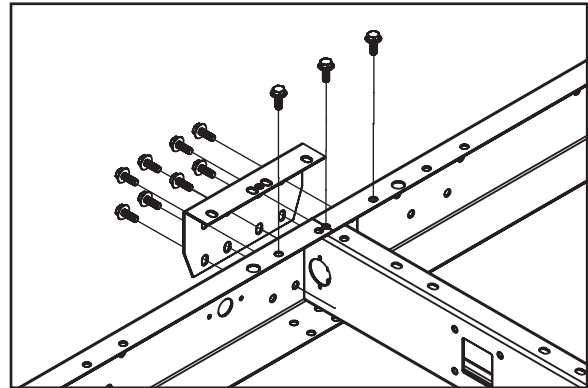


Fig. 6

Step 9: Bolt the Mid-Cross Beam (#4) at the center of the Long Rail Beam (#6). Place the Mid Cross Beam (#4) at the center of the Long Rail Beam (#6) as shown (Fig. 5) and fasten loosely in place using five M10 x 30mm bolts (#1) and M10 Nuts (#2).

Step 10: Bolt the long and short Rail Beams (#6 & #5) together. Butt the Long Rail Beam (#6) from the previous step against the Short Rail Beam (#5) and place one of the Connecting Plates (#7) onto that joint. With the Mid-Cross Beam (#4) aligned with the holes, use 11 M10 x 30mm bolts (#1) and M10 Nuts (#2) and fasten so the parts can move slightly as shown (Fig. 6).

Step 11: Bolt the other corner. Using five of the M10 x 30mm bolts (#1) and M10 Nuts (#2), bolt the Short Rail Beam (#5) in the previous step and the End Crossbeam (#3) together to form the next corner of the frame (Fig. 7). Do not tighten the bolts.

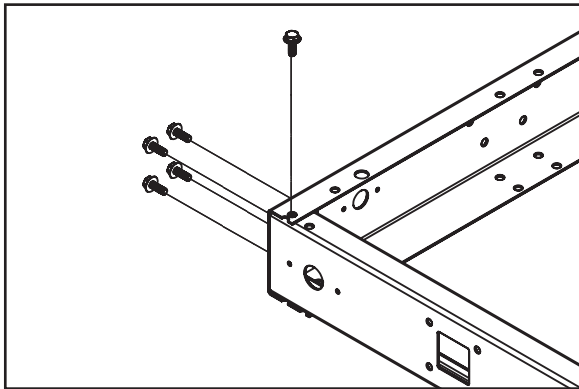


Fig. 7

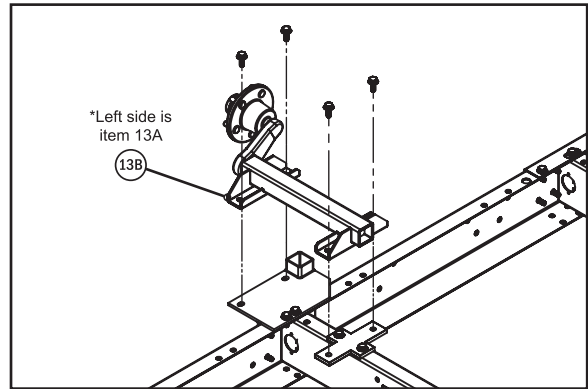


Fig. 8

Step 12: Install the Torsion Axle. Install the Torsion Axle (-Right #13B or Left #13A, when assembling the left side) as shown (Fig. 8) using four M10 x 30mm Bolts (#1) and M10 Nuts (#2)

Step 13: Install the Leveling Jack Connecting Plates. Install the three Leveling Jack Connecting plates (#9), spaced equally along the side and using six M10 x 30mm Bolts (#1) and M10 Nuts (#2) per connecting plate as shown (Fig. 9)

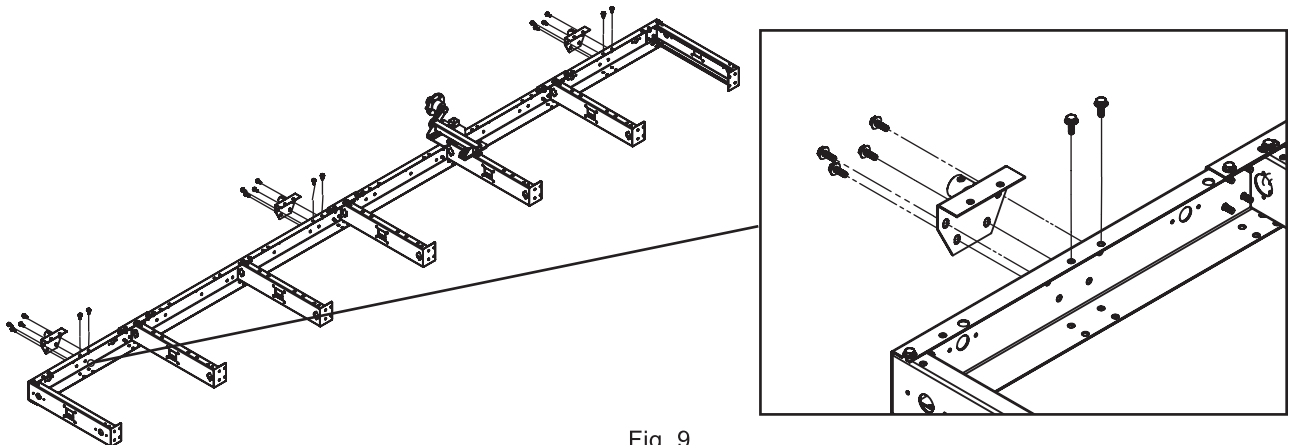


Fig. 9

Step 14: Repeat steps 5 through 13 for the other side.

Step 15: Tighten the M10 x 30mm Bolts (#1) and M10 Nuts (#2). Starting at one corner, check that the crossbeam is square to the rail then tighten the bolts and nuts. The Bolts and Nuts are ISO class 8.8 fasteners and should be tightened between 32 and 35 ft-lbs (43 to 48 N-m). Use a torque wrench to tighten the fasteners installed in steps 5-12 accordingly.

Step 16: Turn over the frame assembly. With the help of at least one other person, carefully turn over the assembled trailer frame.

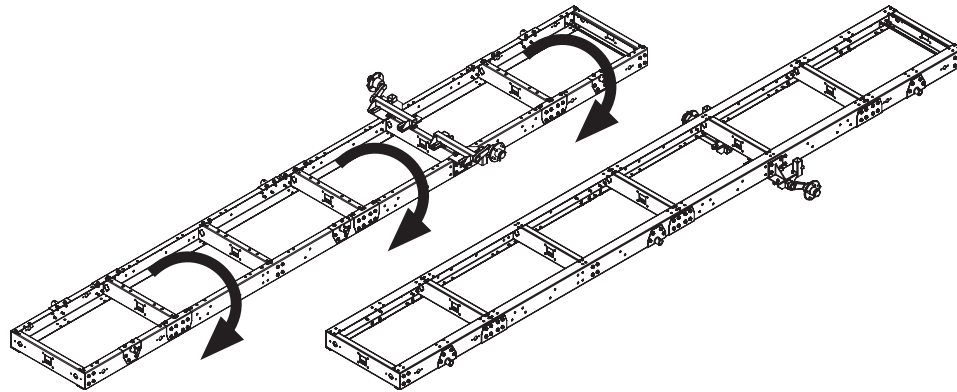


Fig. 10

Step 17: Install the Leveling Jacks. Lift one end of the trailer frame and place two Leveling Jacks (#10) that are set to their lowest position onto the Leveling Jack Connecting Plates (#9) installed in Step 9, and use the Jack Lock Pin (#11) to hold the leveling jack in place (Fig. 11). Set down the trailer frame onto the jacks, then do the same for the other end. Once the four jacks are installed, lift the trailer a few inches and install the middle two leveling jacks.

Step 18: Install the Wheels/Tires. Adjust the height of the trailer so that the Wheels (#14) can be placed onto the wheel hub of each axle. Ensure the wheel is installed with the correct orientation as shown. Secure each wheel onto the hub with five Hub Nuts (#15). Tighten the nuts by hand (Fig. 12). Lower the trailer onto the wheel and chock the tires, then torque the hub nuts between 90 and 120 ft-lbs (122 to 163 N-m).

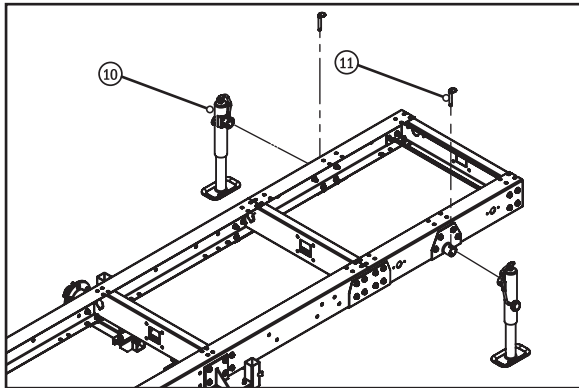


Fig. 11

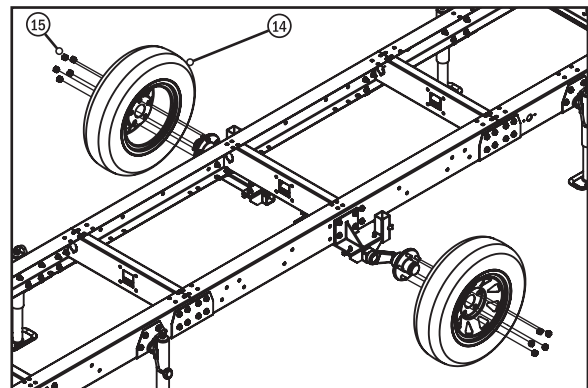


Fig. 12

Step 19: Assemble the Fenders. Assemble the Fender (#20) to the Fender Bracket (#16) using the eight M8 x 20mm Hex Head Bolts (#17), sixteen M8 Flat Washers (#18), and eight M8 Lock Nuts (#19) (Fig. 13). Install the 40 x 40 mm plug onto the top of the Fender Bracket. Place the assembled fenders into the tube on the axle support and secure in place using the Thumb Screw M10 x 40 x 30mm (#12) (Fig. 14). Repeat for the other fender.

Step 20: Assemble the Draw Bar. Assemble the Hitch Ball Coupler (#25) to the end of the Tow Bar (#30) using the four M12 x 90 Bolts (#24) and M12 Lock Nuts (#26) as shown (Fig. 15).

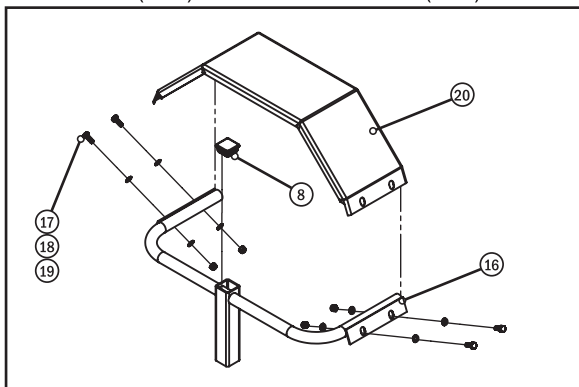


Fig. 13

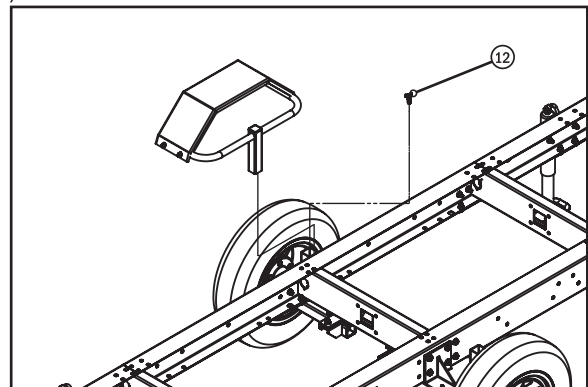


Fig. 14

Step 21: Assemble the Tow Bar Stanchions to the Trailer. On the longer end of the trailer, and on the End Crossbar (#3), place one of the Tow Bar Stanchions (#28) onto the crossbar and secure in place using four M10 x 30mm Bolts (#1) and Nuts (#2). On the Mid Crossbar (#4) directly behind the End Crossbar, install the second Tow Bar Stanchion as shown (Fig. 16), using four M10 x 30 mm Bolts (#1) and Nuts (#2). Torque the fasteners between 32 and 35 ft-lbs (43 to 48 N-m).

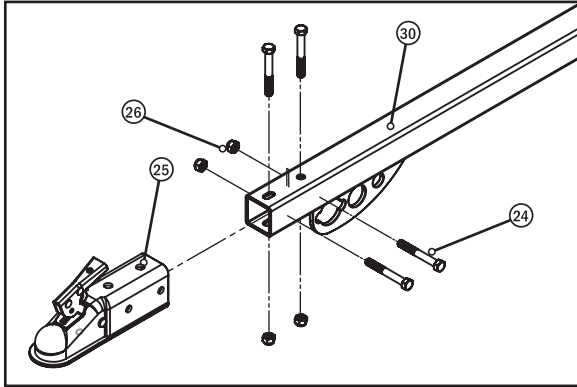


Fig. 15

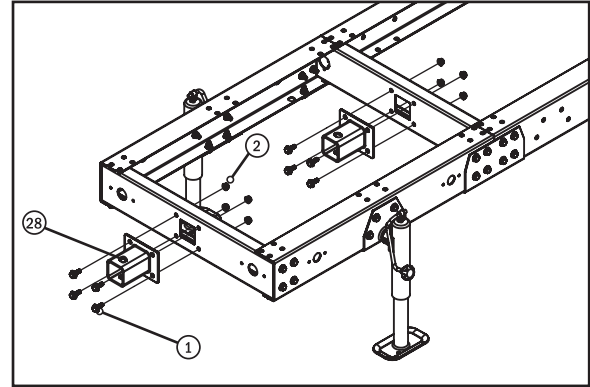


Fig. 16

Step 22: Install the Tow Bar on the Trailer. Insert the assembled Tow Bar through the tow bar stanchions and secure in place using the M20 x 100 Bolts (#27) and Nuts (#29). The fasteners are ISO class 8.8 and should be torqued between 267 and 315 ft-lbs (362 to 427 N-m).

Step 23: Install the Safety Chain onto the Tow Bar. Pass the Safety Chain (#23) through the largest opening on the bracket under the tow bar. The clevis hooks on the Safety Chain are used to hook back onto the chain or onto the vehicle, as needed.

Step 24: Assembling the Sawmill Track and Log Supports (not included). The Sawmill Tracks and Log Supports included with your sawmill are assembled directly to the top of the trailer frame. The Leveling Feet and Track connection plates are not used when assembling to the trailer. To assemble:

1. Place the Sawmill Tracks onto the Rail Surface of the trailer. Check that the mounting holes align.
2. Place the Log Supports onto the Sawmill Tracks. Review the layout information in the Sawmill manual and ensure the Log Stops on the supports are on the same side.
3. Use the hardware included with the sawmill to secure the tracks and supports to the trailer.
4. Prior to placing the sawmill carriage onto the tracks, ensure the cutting direction of the blade will be against the Log Stops. Check that all six Leveling Jacks are extended, touching the ground, and that the track is level.

**WARNING**

Use care when lifting the sawmill carriage onto the trailer. A crane or hoist is highly recommended so that the carriage can be slowly and safely lowered onto the track.

5. Once the carriage is on the track, continue the sawmill setup and adjustments per the sawmill manual.

Step 25: Check that the Carriage Retainer hardware fits. The carriage retainer hardware is only used when transporting the sawmill and is intended to be removed prior to operating the sawmill. Place the two Carriage Wheel Retainers (#33) over the front carriage wheels (directly below the blade), and move the carriage so that the holes on the retainers align with the holes on the track between the center of the trailer and the trailer wheels (the carriage should be over the axles). Bolt the Carriage retainers using four M10 x 30mm Bolts (#1) and Nuts (#2). Install the Carriage Frame Retainers (#32) over the Left and Right Carriage Base pieces and bolt at the nearest set of holes using four M10 x 20mm Bolts (#34), M10 Flat Washers (#36), and M10 Spring Washers (#35).

**WARNING**

Failure to use the retainer hardware when moving the trailer will result in the sawmill carriage suddenly moving or falling off the trailer while being transported which will result in serious injury or property damage. **ALWAYS USE THE RETAINER HARDWARE WHEN TRANSPORTING THE MILL** along with any other necessary tie down straps.

OPERATION

**WARNING**

Never exceed the lowest rating of any part of your towing system. Refer to your ATV or UTV manual for information about its tow rating.

- DO NOT use the trailer to transport logs or other loads. The trailer is designed to only transport the sawmill.
- Ensure the tires on the both the ATV/UTV and trailer are in good condition and inflated to the maximum recommended air pressure.
- While towing, allow more distance for maneuvering, accelerating, and stopping. Slow down well in advance of sharp curves, obstacles, and before descending a hill.
- A trailer that sways or seems unstable is dangerous. DO NOT continue towing if instability continues. Gradually slow down, move to a safe location, and inspect all connections.

HOOKING UP TO THE TOWING VEHICLE

1. Secure the sawmill carriage using the retaining hardware (See ASSEMBLY & INSTALLATION Step 25) and any other tie down straps to prevent the carriage from moving.
 2. Always fully retract the Leveling Jacks and pin in the horizontal position before towing.
 3. Use a hitch with a 2 in. (50.8 mm) Hitch Ball that exceeds the trailer haul rating.
 4. Ensure the tow bar is level. Do not exceed a height differential with the tow bar greater than $\pm 5^\circ$. If it exceeds this amount, then use an adjustable height hitch ball mount or adjust the base plate height so the tow bar is level.
 5. Place a lock into the locking mechanism on the coupler and lock it to ensure the ball coupler and ball hitch does not come apart.
 6. Connect the safety chain to the vehicle by passing the chains underneath and crossing them below the coupler, then securely attaching to the towing vehicle. The chain should not be too loose, and should allow enough slack to permit turning.
 7. The Sawmill Trailer is NOT configured for use on public roadways and is intended for off-road use ONLY. Consult with your federal and state transportation departments regarding trailer safety regulations. State and provincial laws require a trailer to have working tail lights and turn signals. Connect a wiring harness to ensure the tail lights, turn signals, and stop lights operate in tandem with the towing vehicle lights.
-

CARE & MAINTENANCE

GREASE POINTS

A quality high pressure grease is recommended.

Prior to use, add grease the Leveling Jacks (#10).

The wheel bearings need to be periodically greased annually, semi-annually, or as needed, depending on the amount of use and based on the environment.

RUST AND CORROSION

Although the trailer has been treated to help eliminate rust and corrosion, it may be necessary to protect the trailer from the elements by parking it under a tin roof or carport to help prevent weathering from rain and snow. It is recommended to apply car wax to painted surfaces at least once a year. Use a rust inhibiting paint in areas where the color coating may have chipped or become deeply scratched.

Apply a coat of lithium grease on all exposed threads, adjustment bolts, and inside nuts or threaded holes that are not being used.

BEFORE EACH USE

Check that the tires are properly inflated.

Check fasteners have not become loose. On fasteners that have lock nuts, be sure to back off the lock nut, check the fastener, then tighten the lock nut to prevent the fastener from backing off.

ADJUSTING THE COUPLER:

With the coupler locked onto a 2 in. (50.8 mm) hitch ball, tighten the nut underneath the coupler JUST ENOUGH TO FULLY COMPRESS THE HELICAL SPRING AND SO THE BALL/COUPLER JOINT DOES NOT MOVE. DO NOT OVER-TIGHTEN.

Back off the nut by 1/2 to 3/4 of a turn.

Operate the lock/unlock lever and ensure the coupler can be disengaged from the hitch ball. Re-adjust if necessary.

DISPOSAL

Recycle a trailer damaged beyond repair at the appropriate facility.

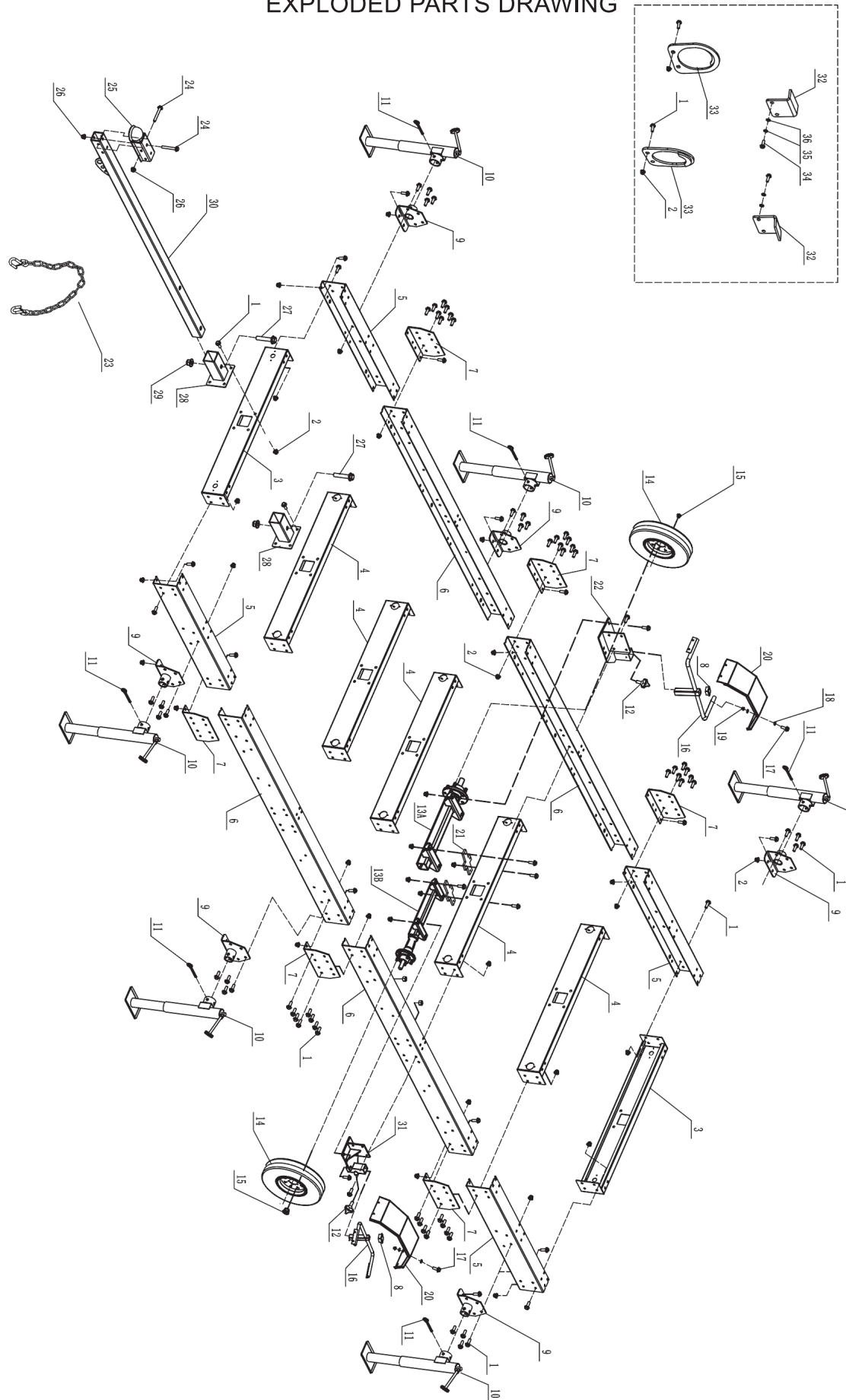
Contact your local municipality for a list of disposal facilities or by-laws for electronic devices, batteries, oil or other toxic liquids.

IMPORTANT! DO NOT pollute the environment by allowing uncontrolled discharge of waste oil.

TROUBLESHOOTING

Contact your distributor for a solution if the tool does not function properly or parts are missing. If unable to do so, have a qualified technician service the tool.

EXPLODED PARTS DRAWING



PARTS LIST

Item	Description	Qty
①	Bolt, Flanged Hex M10x30	170
②	Nut, Flanged Hex M10	170
③	End Crossbeam	2
④	Mid Crossbeam	5
⑤	Short Rail Beam	4
⑥	Long Rail Beam	4
⑦	Connecting Plate	6
⑧	40 x 40 Plug	2
⑨	Jack Connecting Plate	6
⑩	Leveling Jack	6
⑪	Jack Lock Pin	6
⑫	Thumb Screw M10x40x30	2
⑬A	Axle, Torsion -Left	1

Item	Description	Qty
⑬B	Axle, Torsion-Right	1
⑭	Wheel 165/70 R13	2
⑮	Hub Nut	10
⑯	Fender Bracket	2
⑰	Bolt, Hex M8x20	8
⑱	Washer, Flat M8	16
⑲	Nut, Self Locking M8	8
⑳	Fender	2
㉑	Axle Connecting Plate	2
㉒	Axle Stand, Left	1
㉓	Chain, 100cm	1
㉔	Bolt, Hex M12x90	4
㉕	Hitch Ball Coupler	1

Item	Description	Qty
㉖	Nut, Hex M12	4
㉗	Bolt, Hex M20x100	2
㉘	Tow Bar Stanchion	2
㉙	Nut, Self Locking M20	2
㉚	Tow Bar	1
㉛	Axle Stand, Right	1
㉜	Carriage Frame Retainer	2
㉝	Carriage Wheel Retainer	2
㉞	Bolt, Flanged Hex M10x20	2
㉟	Washer, Spring M10	2
㊱	Washer, Flat M10	2

90 DAY LIMITED WARRANTY

Star Asia-USA, LLC (hereinafter “seller”) warrants to the original purchaser only, that this product will be free from defects in material or workmanship for a period of 90 days from date of purchase for home domestic use.

Warranty Performance

Warranty coverage is conditioned upon purchaser furnishing seller or its authorized service center with adequate written proof of the original purchase date. Products returned, freight prepaid and insured, to our factory or to an Authorized Service Center will be inspected and repaired or replaced, at seller's option, free of charge if found to be defective and subject to warranty. Defective parts not subject to normal wear and tear will be repaired or replaced, at our option during the above stated warranty periods. In any event, reimbursement is limited to the purchase price paid. Other than the postage and insurance requirement, no charge will be made for repairs or replacements covered by this warranty. Under no circumstances shall the manufacturer bear any responsibility for loss of the unit, loss of time or rental, inconvenience, commercial loss or consequential damages, There are no warranties which extend beyond the description of the face hereof.

Exclusions

This warranty does not cover parts damaged due to normal wear, abnormal conditions, misapplication, misuse, abuse, accidents, operation at other than recommended pressures or temperatures, improper storage of freight damage. Parts damaged or worn by operation in dusty environments are not warranted. Failure to follow recommended operating and maintenance procedures also voids warranty. Additional items not covered under warranty: product failure caused by rain, excessive humidity, corrosive environments or other contaminants; cosmetic defects that do not interfere with product's functionality. This warranty shall not apply when: the product has been used for commercial or rental purposes; defects in materials or workmanship or damages result from repairs or alterations which have been made or attempted by others or the unauthorized use of nonconforming parts; this damage is due to abuse, improper maintenance, neglect or accident; or the damage is due to use of the product after partial failure or use with improper accessories. Warranty does not apply to accessory items. Seller will not be liable for: labor charges, loss or damage resulting from improper operation, maintenance or repairs made by persons other than a Star Asia-USA, LLC Authorized Service Center. The use of other than genuine Star Asia-USA, LLC repair parts will void warranty.

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