



Owner's Manual

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ATV Dump Trailer with Swivel Boom

86000



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 for OFF ROAD and farm applications, for use with ATVs and UTVs, the ATV Dump Trailer is able to carry a maximum load of 2000 lbs (900 kg). The tandem trunnion axles and a pivoting hitch allow the trailer to be towed over rough terrain or obstacles and help to stabilize the trailer while loading and unloading. The boom lift is easily adjustable and can swing from one side to another to make loading easy. The crane may be used to lift items up to 220 lbs (100 kg) with the boom horizontal and 330 lbs (150kg) with the boom at 60° in relation to the horizon. When tipping the trailer bed, the crane is used to lift the bed that is loaded with up to 650 lbs (295 kg). The bed is removable to allow the trailer to be used as an extendable stake bed for towing long loads like logs or lumber.

SPECIFICATIONS

Specification	Value
Max. Towing Capacity :	2000 lbs (900 kg)
Max. Lifting Capacity:	220 lbs (100 kg) w/ Boom Horizontal 330 lbs (150 kg) w/ Boom @ 60°
Max. Dumping Capacity:	650 lbs (295 kg)
Extendable Length:	132 to 149-5/8 in. (335 to 380 cm)

Specification	Value
Width:	51-1/8 in. (130 cm)
Height:	67-3/4 to 74-3/4 in. (172 to 190 cm)
Weight:	664 lbs (302 kg)
Ball hitch size:	2 in. (50.8 mm)
Tongue weight:	120 lbs (54 kg)
Clearance under axles:	9 in. (23 cm)

Specification	Value
Clearance under frame:	13 in. (33 cm)
Tire size, tubeless (4pcs):	22 x 11-10
Max tire pressure:	21 PSI (1.5 bar)
Bed volume:	1.1 yd ³ (0.84 m ³)
Bed Tipping angle:	35°
Bed dimensions:	78-3/4 L x 42-1/8 W x 22-7/8 H in. (200x 107 x 58 cm)

Specification	Value
Winch wire rope size:	3/16 dia. x 375 in. L (4.8 mm dia. x 950 cm)
Crane stabilization:	Extendable side stabilizers and pivoting Jack Stand
Hook size:	5/16 in.; 1 in. opening (8mm; 24 mm opening)
Boom swivel stop angles:	0°, 23°, 45° Left & Right Total sweep 90°

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.

- 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 damage 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.
- 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.
- Slow down and be prepared to stop while towing.
- Loose clothing, long hair, or articles worn by an operator must be fully contained or covered to prevent being caught in any rotating parts.
- 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 and engage the stabilizers and landing jack prior to using the crane for greater stability.
- Operators under 18 years of age must always 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 comes mostly pre-assembled, however the main pieces 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 100 ft-lbs
- Socket driver and metric sockets
- 10' Tape measure

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

Step 1: Open the shipping crate. Remove the straps on the shipping crate and remove the cardboard covering.

Step 2: Unpack the accessible items. With the top removed carefully remove each piece in the Bed (16) and set them aside. Place similar items together to easily find them.

Step 3: Check that the parts in the crate 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, set the Main Frame (1) onto the floor with the axle tangs facing upwards as shown in Fig. 1. NOTE: the front end (the end where the hitch is installed) of the trailer is the end with the two bosses with four M12 tapped holes.

Step 5: Measure the axles (2). Measure the distance from the pivot hole to each end of the trunnion as shown in Fig. 2. Note that the side with the longer measurement should be assembled pointing towards the front (hitch) end as shown in Fig. 3.

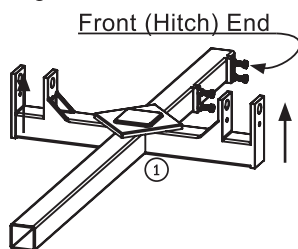


Fig. 1

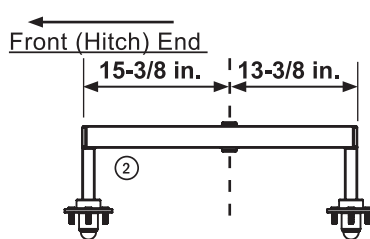


Fig. 2

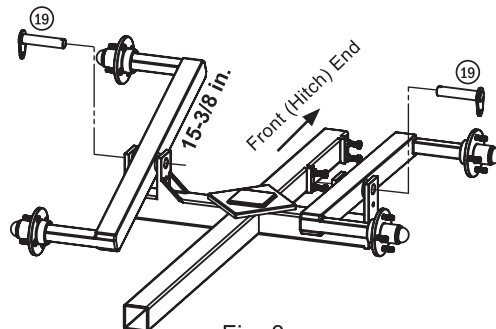


Fig. 3

Step 6: Install the Trunnion Pivot Pins. Install the Trunnion Pivot Pins (19) into the Main Frame (1) as shown in Fig. 3. Use the M8x30 Bolt w/Nuts & Washers (24) to secure the pivot pins in place as shown in Fig. 4. NOTE: the nut should be installed on the outside surface, otherwise extending bolt may interfere with the trunnion. Install a 5x50 Cotter Pin (31) into the provided 5 mm hole and bend the ends of the cotter pin (Fig. 5) to ensure it does not fall out.

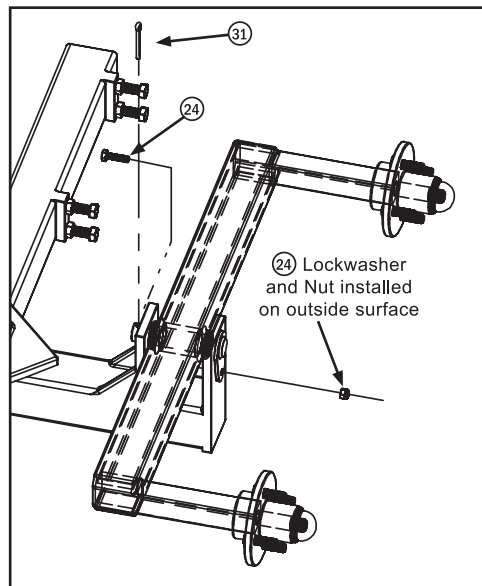


Fig. 4

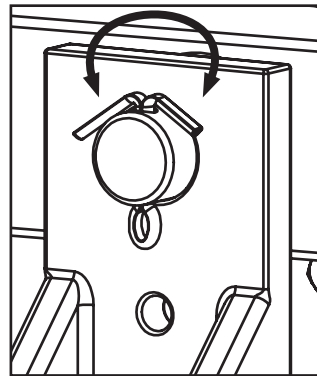


Fig. 5

Step 7: Install the wheels. Note that the wheels are labeled with an “R” for installation on the right side, and “L” for the left. The two sides are shown in Fig. 7 (Note that the front (hitch) end is now shown pointing to the left of the image). With one side of the frame held up, install a wheel onto each bearing hub. Place four M12 Lug Nuts with the tapered end towards the wheel onto each wheel stud and tighten by hand (Fig. 6). Repeat for the other side.

Step 8: Turn the main frame over. With the help of a second person, turn the Main Frame with Wheels over (Fig. 7). Use caution when lifting to ensure hands are not caught at the pinch points between the Axle Assembly and the Main Frame. Once all 4 wheels are on the ground, chock the tires to prevent them from moving and tighten all lug nuts to 80 ft-lbs. (109 N-m) each.

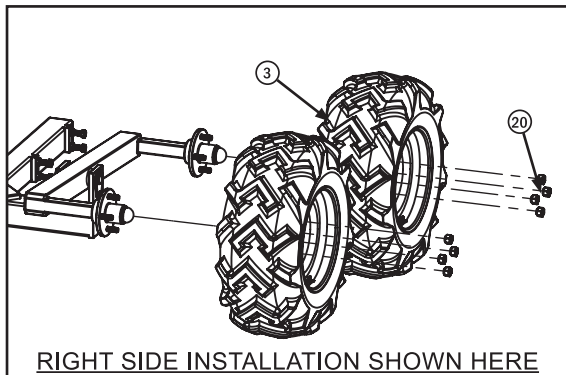


Fig. 6

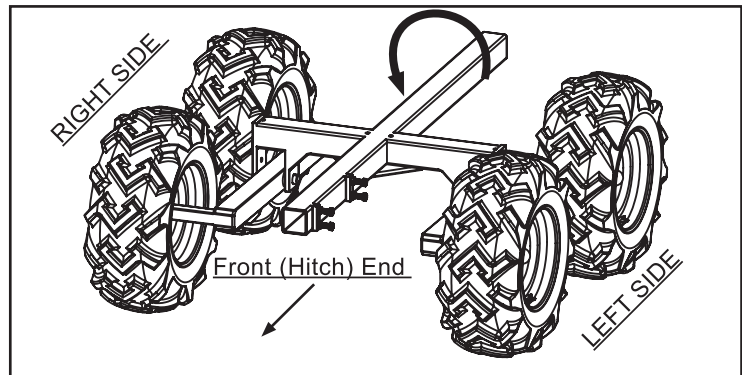


Fig. 7

Step 9: Install the Frame Extension Tube. Insert the Frame Extension tube (17) into the Main Frame from the Front (Hitch) End (Fig 8). The two through holes for the Swivel Hitch Assembly (15) should be vertical. With a tape measure, insert the Frame Extension tube (17) so that the distance from the end is 40 in. (100cm) to the end of the Main Frame (1). Back off the lock nuts on the M12x50mm bolts on the Main Frame, tighten the bolts, then lock the bolts in place using the lock nuts.

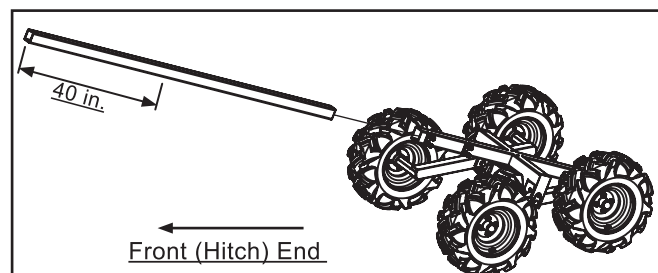


Fig. 8

Step 10: Install the Rear Bed Support. Place the Rear Bed Support (5) onto the rear end of the Main Frame (1) so that the ends are flush, then use two M12x50 Bolts w/ Nuts (23) to secure it in place (Fig. 9) by backing off the lock nuts, tightening the bolts, then locking the bolts in place by tightening the lock nuts.

Step 11: Install the Front Bed Support. Place the Front Bed Support (4) onto the Frame Extension Tube (17) so that the front face is about 7-8 in. (20 cm) from the end of the Main Frame (1), then use two M12x50 Bolts w/ Nuts to secure it in place. Note: the bed is 78 in. (200 cm) long, and the Front Bed Support should be about 70 in. (180 cm) from the back of the Rear Bed Support.

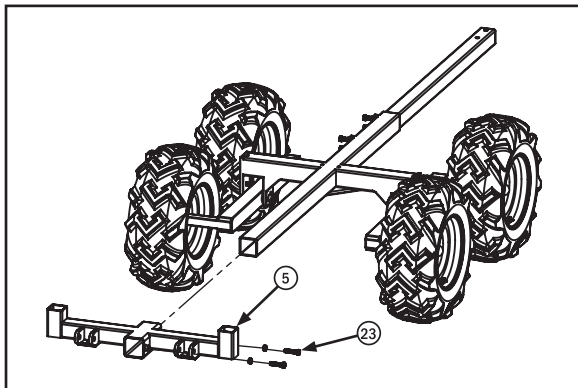


Fig. 9

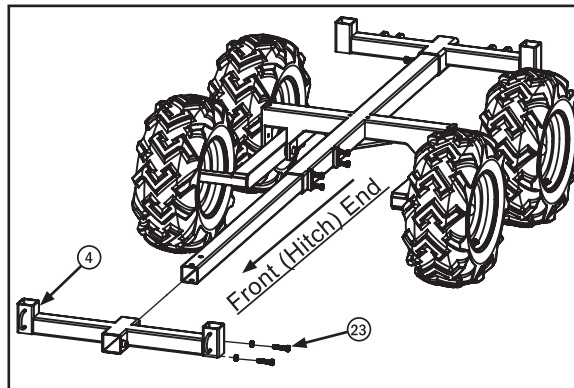


Fig. 10

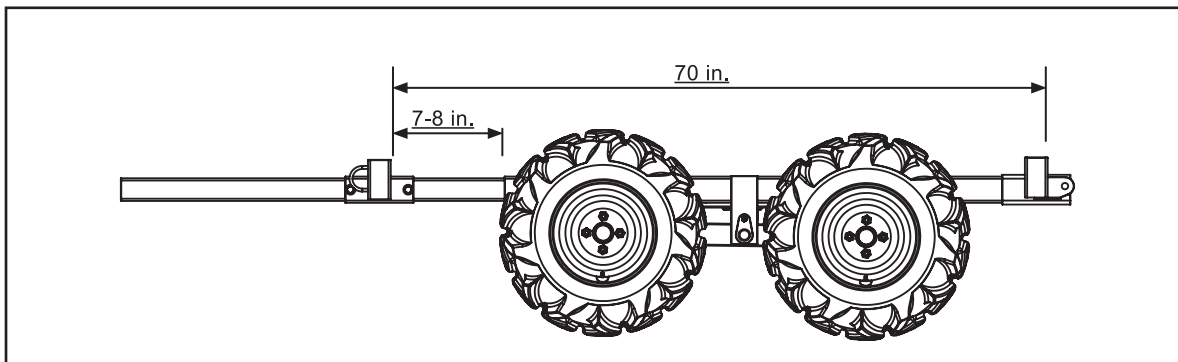


Fig. 11

Step 12: Install the operator Safety Guard. Place the Safety Guard (10) onto the Frame Extension Tube (17) so that the back face is about 7-8 in. (20 cm) from the end of the Front Bed Support (4), then use two M16x50 Bolts w/ Nuts (28) to secure it in place (Fig. 12) by backing off the lock nuts, tightening the bolts, then locking the bolts in place by tightening the lock nuts.

Step 13: Install the Stabilizers. Insert a Stabilizer Leg (13) into the Stabilizer Extension (8) and use two Lock Handles (26) to hold the leg in place. Insert the Stabilizer Extension (8) into the Safety Guard (10) and use one Lock Handle (26) to secure it in place (Fig. 13). Repeat this step for the other side.

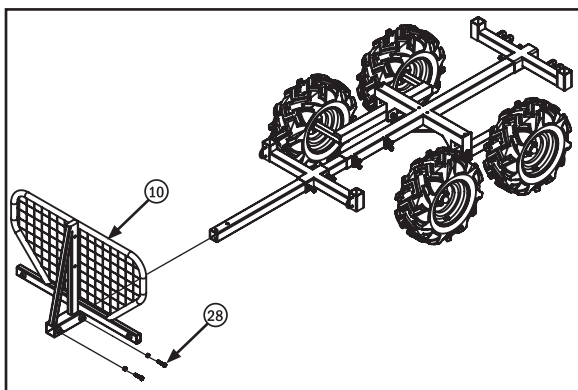


Fig. 12

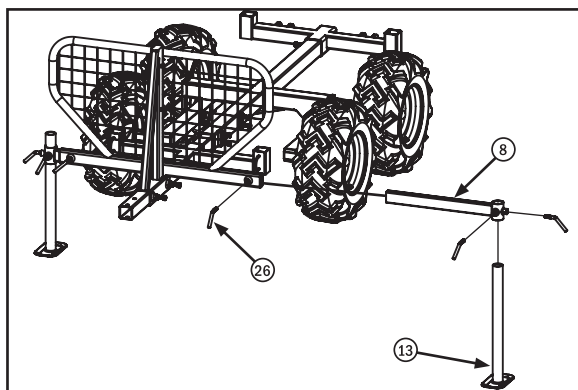


Fig. 13

Step 14: Install the Leveling Jack. Insert the Leveling Jack (9) onto the Frame Extension Tube (17) so that the back face is about 1 in. (2.5 cm). Back off the lock nut on the M16x50mm bolt on the Leveling Jack, tighten the bolt, then lock the bolt in place using the lock nut (Fig. 14). Extend the Leveling Jack so the Main Frame is horizontal.

Step 15: Install the Hitch Coupler. Insert the Hitch Coupler (15) onto the Frame Extension Tube (17) so that the mounting holes align (Fig. 15), then use the M10x90 Bolts with Spacers (25) with the spacer on top (Fig. 15a).

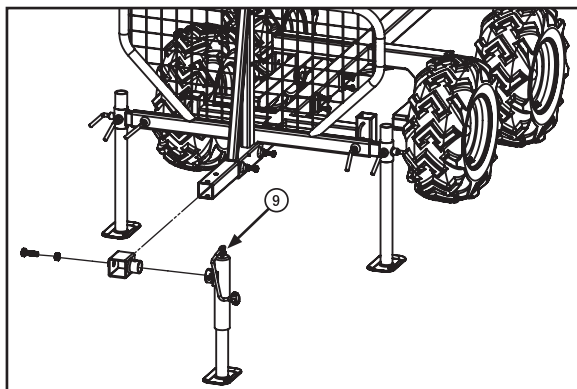


Fig. 14

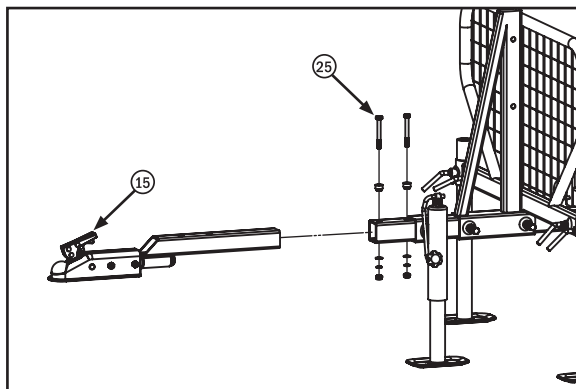


Fig. 15

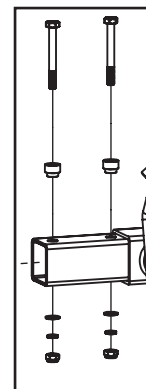


Fig. 15a

Step 16: Install the Bed. With the help of a second person, place the Bed (16) onto the Rear Bed Support (5). Ensure the lifting hoop on the inside bottom of the bed is closest to the Front (Hitch) End of the trailer. Slide the bed forward on the Main Frame (1) until the two pivot bosses at the bottom and back of the Bed engage into the pivot ears of the Rear Bed Support (5). Insert the two Bed Pivot Pins (22) into the pivot ears and through the two pivot bosses, then use the Hair Pins (32) to hold the Bed Pivot Pins in place (Fig 16).

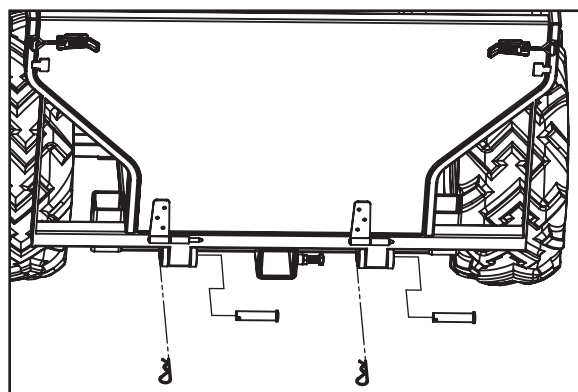


Fig. 16

Step 17: Prep the Boom Column. The Boom Column (11) has fasteners and parts that need to be prepared prior to attaching to the Safety Guard (10) vertical tube. Remove the 20mm nut and the tabbed washer from the top of the column. Remove the 10mm Bolt and Nut that hold the Index Lock Handle, and remove the two M14x130 bolts and nuts (Fig. 17). Install the Index Plate (12) onto the top stud, place the tabbed washer on top, then secure in place with the 20mm nut. Turn the Index lock handle around so the knurled handle is on the outside and re-install with the M10 Bolt and Nut (Fig.18). Install the Extension Spring (27) between the tabbed washer and the Index Lock Handle (Fig. 19).

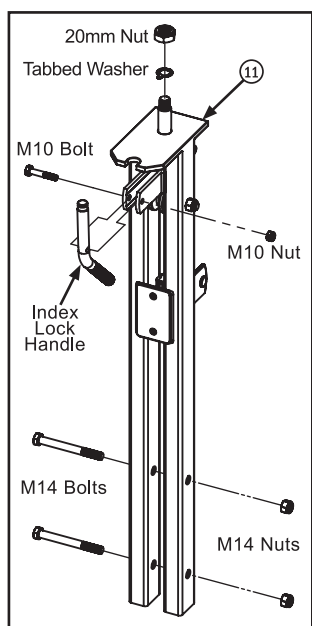


Fig. 17

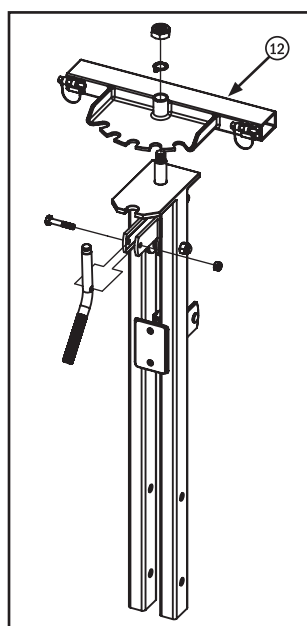


Fig. 18

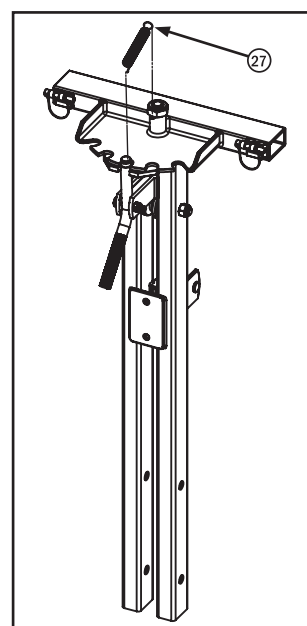


Fig. 19

Step 18: Install the Boom Column. Place the prepared Boom Column (11) from the previous step by placing onto the vertical tubes on the Safety Guard (10) as shown in Fig. 20. Align the mounting holes of the Boom Column and the vertical tubes and secure in place using the two M14x130 bolts and nuts that were removed in the previous step.

Step 19: Install the Winch with Cable. Use the two M8x20 Bolts and Nuts (21) and install the Winch with Cable (14) as shown in Fig. 21. Remove the M14 Bolt and Nut that is holding the Small Cable Pulley in place. Pull the winch cable through the two upright tubes and feed it between the cable rollers, then re-install the Small Cable Pulley underneath the cable (Fig. 22).

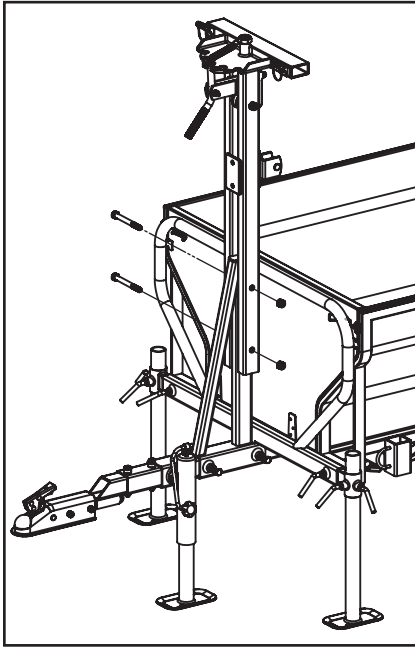


Fig. 20

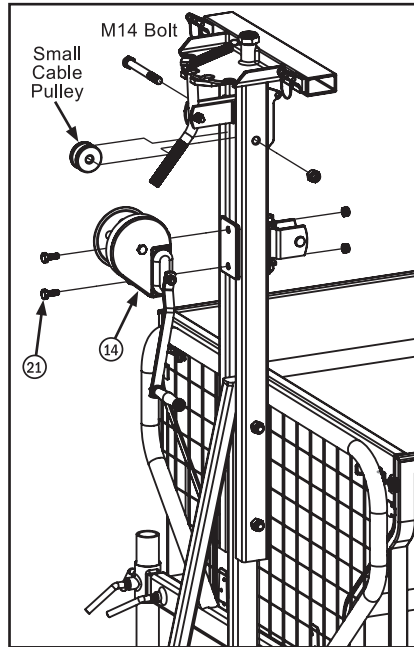


Fig. 21

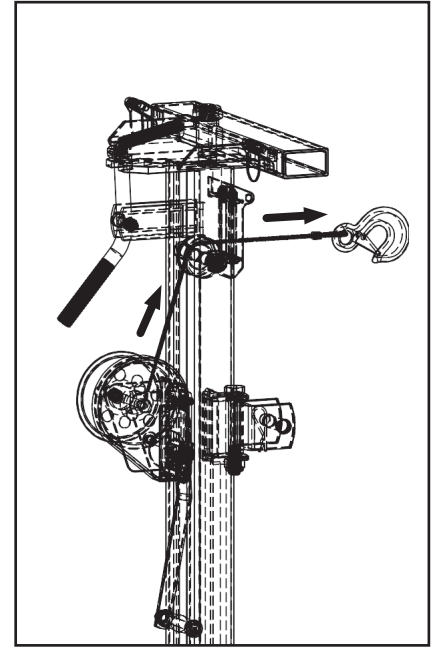


Fig. 22

Step 20: Install the Boom Assembly. Remove the hairpin and pin from the boom swivel joint on the boom column. Place the Boom Assembly (18) arm into the swivel joint and secure it in place using the pin and hairpin (Fig. 23), then route the winch cable over the top pulley.

Step 21: Set the height of the Boom. Remove the two pins with hasps from the index plate. With another person holding up the boom, count 10 links from the point that the chain is attached to the boom, then slide one of the chain links between the two ears on the index plate arm, reinsert the pin and engage the safety hasp (Fig. 24). Repeat this for the other side. Always use an equal number of links in each chain to ensure even loading.

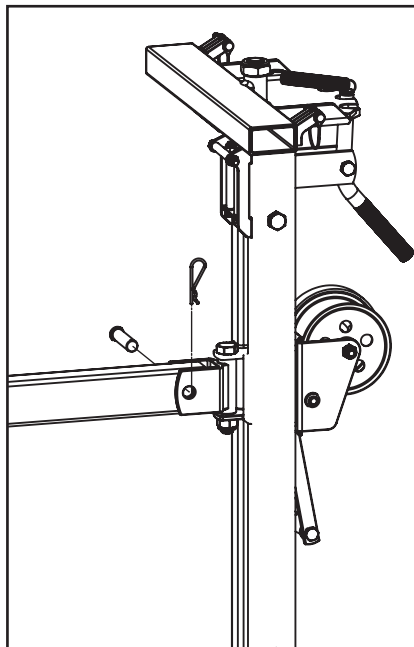


Fig. 23

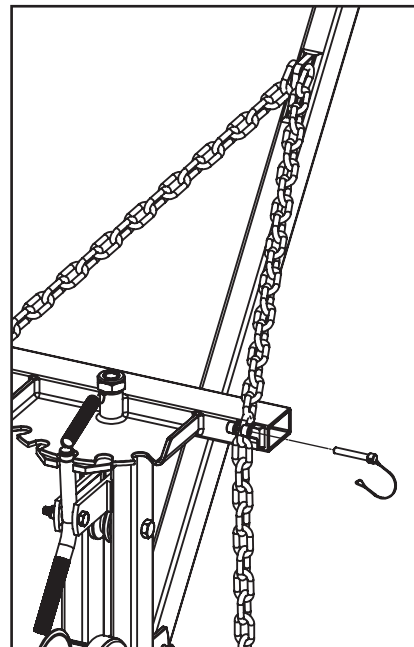


Fig. 24

Cradle configuration for hauling long stock. Remove the bed with the help of a second person. Unpin the two pivot pins at the back of the Bed and carefully slide the bed off. Place a Cradle Insert (6) into each of the points on both the Front and Rear Bed Supports (Fig. 25). Insert a Cradle Extension (7) into each of the Cradle Inserts. Install the Endcap (29) into each Cradle Extension (Fig.26)

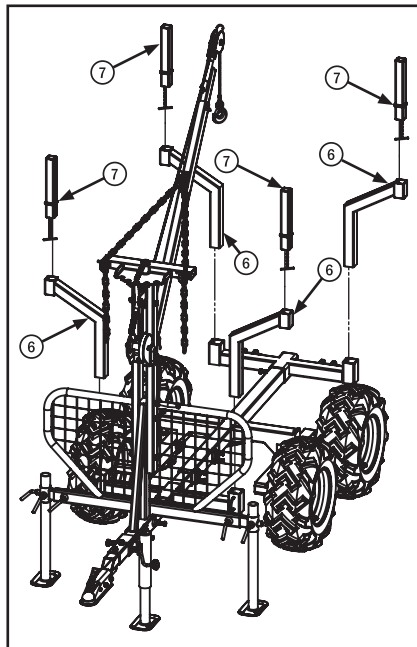


Fig. 25

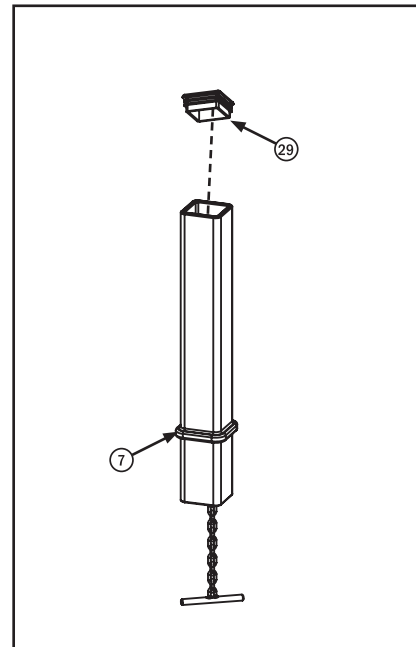


Fig. 25

Reflectors. Reflectors can be attached to the mounting plates at the back of the bed, on either side of the bed gate.

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.

- 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. Always fully retract the stabilizers and lock in place prior to towing.
2. Fully retract the Leveling Jack and pin it 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.

LIFTING WITH THE CRANE

! WARNING

Do not use a steel cable that has been kinked or that has irregular

bends. The wires have been weakened and the steel cable can fail under load causing serious personal injury.

1. Inspect the steel cable periodically and before each use for signs of kinks or irregular bends. A kink is formed when a loop in the steel cable is tightened, and the cable becomes pinched. Replace any cable that has been kinked or has irregular bends.
2. ALWAYS ensure the Crane Harness Chains are equal length to evenly distribute the load.
3. ALWAYS extend the stabilizers at least 15 in. from each side and ensure the stabilizer handles are tightened so they will not retract under load. Consider also using the leveling Jack for additional stability
4. Always use a sling that is in good condition and properly rated. Never exceed the stated lifting capacities of the crane or sling.
5. Never exceed the 90° swing angle as set with the index plate.
6. Leave at least five turns of the cable on the winch drum. The fastener that holds the cable to the winch will not withstand the rated capacities.
7. Ensure the Index Plate locking handle is fully engaged into one of the index slots before lifting.
8. Stay well away from the winch, steel cable and load when under tension. A cable that breaks under tension can whiplash and inflict death or serious injury.

CARE & MAINTENANCE

GREASE POINTS

A quality high pressure grease is recommended.

Prior to use, add grease to the Trunnion Pivot Pins (19) and to the Hitch Swivel (15).

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.

Check that the winch and cable operate correctly. Inspect the cable for damage prior to use. Replace any damaged cable.

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

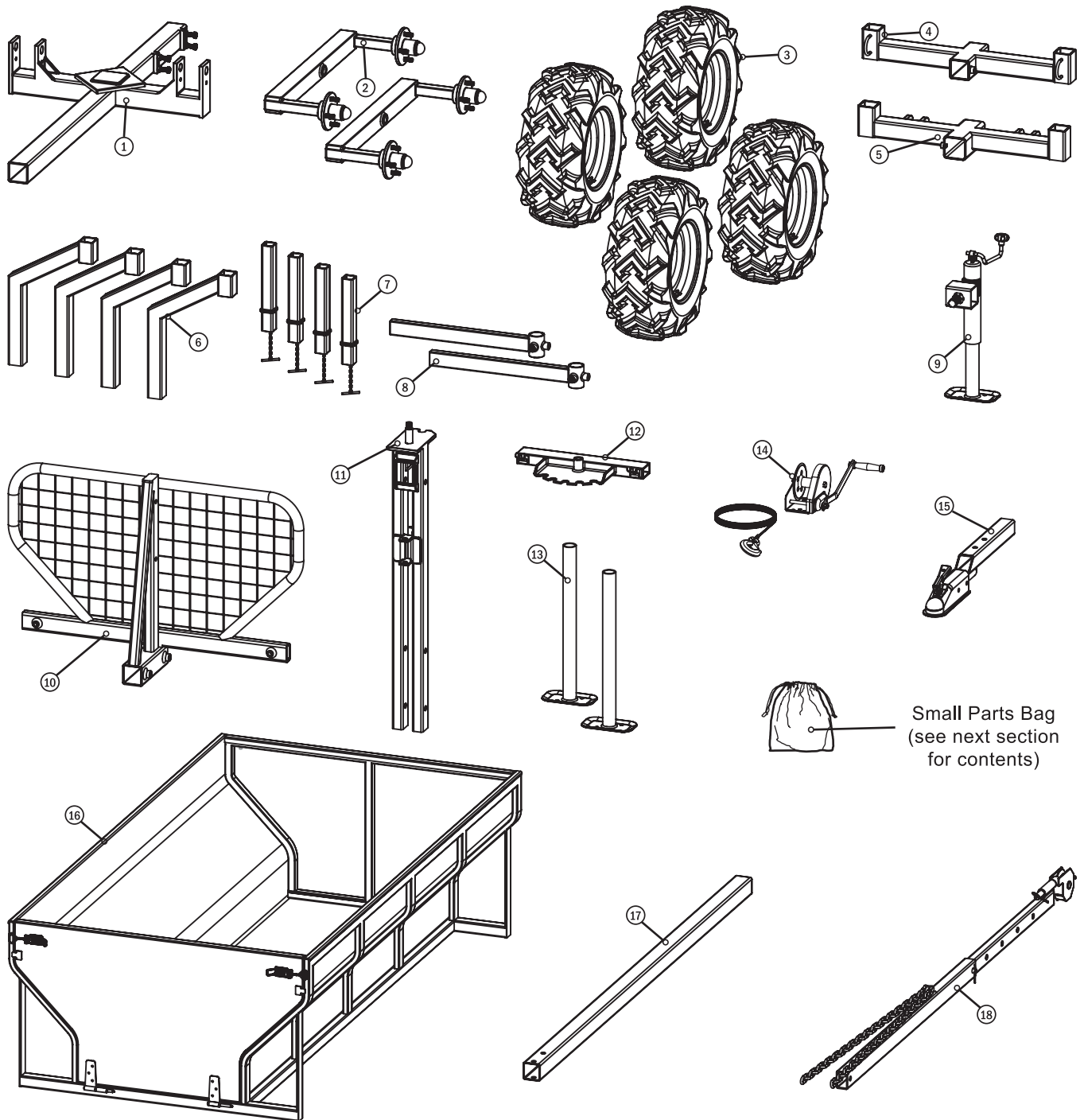
other toxic liquids.

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.

PARTS LIST

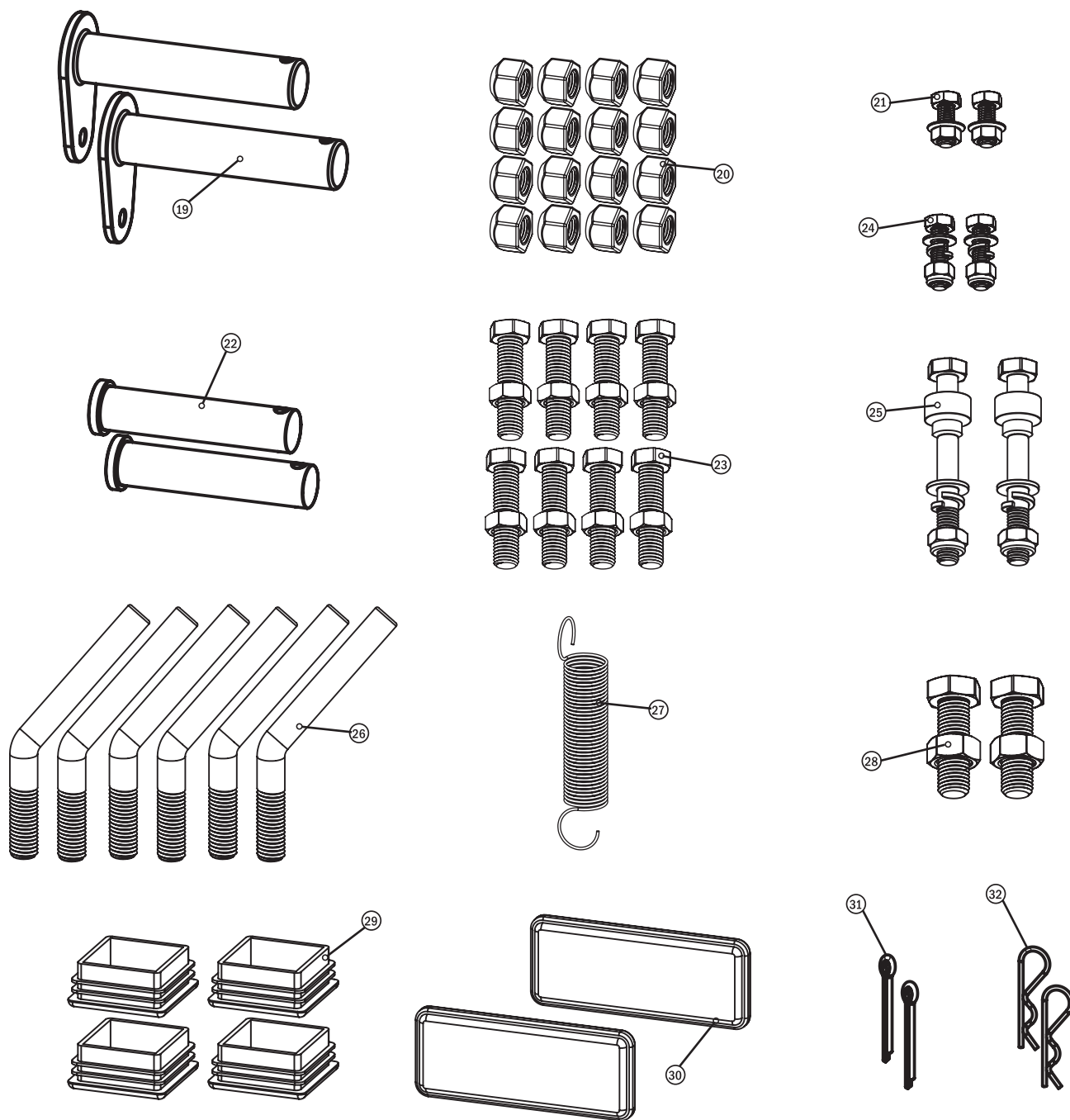


Item	Description	Qty
①	Main Frame	1
②	Axle Assembly	2
③	Wheel & Tire	4
④	Front Bed Support	1
⑤	Rear Bed Support	1
⑥	Cradle Inserts	4

Item	Description	Qty
⑦	Cradle Extensions	4
⑧	Stabilizer Extensions	2
⑨	Landing Jack Assy.	1
⑩	Safety Guard	1
⑪	Boom Column Assy.	1
⑫	Index Plate	1

Item	Description	Qty
⑬	Stabilizer Legs	2
⑭	Winch w/Cable Assy.	1
⑮	Swivel Hitch Assy.	1
⑯	Bed w/ Gates Assy.	1
⑰	Frame Extension	1
⑱	Boom Assembly	1

PARTS LIST



Item	Description	Qty
(19)	Trunnion Pivot Pins	2
(20)	M12 Lug Nut	16
(21)	M8x20 Bolt w/Nut	2
(22)	Bed Pivot Pins	2
(23)	M12x50 Bolt w/ Nut	8
(24)	M8x30 Bolt w/spcrs	2

Item	Description	Qty
(25)	M10x90 Bolt w/spcrs	2
(26)	Lock Handles	6
(27)	Extension Spring	1
(28)	M16x50 Bolt w/Nut	2
(29)	End Covers	4
(30)	Reflector Assy.	2

Item	Description	Qty
(31)	Cotter Pin, 5x50	2
(32)	Hairpin, 17mm	2

[illegible]

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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Any implied warranties shall be limited in duration to 90 days from the date of purchase. In some states of the U.S.A. and in some provinces of Canada there is no limitation for how long an implied warranty is valid, so the aforementioned limitation may not apply to you. In no event shall a seller be liable for any incidental or consequential damages (including but not limited to liability for loss of profits) arising from the sale or use of this product. In some states of the U.S.A. and in some provinces of Canada the exclusion or limitation of incidental or consequential damages is not allowed, so that aforementioned limitation or exclusion may not apply to you.

This Limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state in the U.S.A., Canada and the Commonwealth of Puerto Rico. For warranty coverage within other countries, contact your local star Asia-USA, LLC dealer or importer.

Distributed by Star Asia-USA, LLC
P.O. Box 58399, Renton, WA 98058
Consumer Service: 800-386-0191
e-mail: info@titan-us.com
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