



Item 86009

Log Skidding Dolly

Owner's Manual



⚠ 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.

**WARNING**

This tool 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.

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	Symbol	Property or Statement
	Read and understand this instruction manual prior to using this product.		Wear anti-vibration gloves when operating.
	Wear ANSI approved (or applicable national standard) goggles or properly fitted protective glasses with top and side protection.		Wear foot protection.

INTENDED USE

Designed for skidding logs, and to be used in conjunction with the Log Skidding Arch (BOZEMAN item 86008), this Log Dolly is intended for transporting logs from the cutting site to the landing area or sawmill. The log dolly improves mobility by elevating the back

end of a log that is being skidded to reduce friction and allow for easier movement, while preventing damage to the log and minimizing forest soil disturbance to promote better environmental stewardship. The Log Dolly 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
Max. Log Diameter	25 in. (635 mm)
Max. Log Weight	1500 lbs (680 kg)
Wheels	16 x 6.5-8 Tube

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.

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

 **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 appropriate footwear that provides toe protection and complies with ASTM F2413 or CSA Z195-14 and 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 Log Dolly 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 Log Dolly. Keep long hair covered and bound.
- Wear gloves that provide protection based on the work and 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 Log Dolly.
- 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 Log Dolly 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 Log Dolly if any parts are damaged, broken or misplaced. Repair or replace the parts.
- Do not use the Log Dolly if it appears or sounds to be operating abnormally. Seek a qualified technician to repair and verify the Log Dolly and its components are

operating correctly before using.

- Assembly, maintenance, and/or repair of the Log Dolly 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 Log Dolly to avoid unintentional movement.
- Never use the Log Dolly if the hitch coupler latching mechanism on the Log Arch is not functioning correctly.
- Avoid backing up with the Log Dolly. 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.

- If using in conjunction with the Log Arch:
 - Attach the Log Arch 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 chock the wheels on BOTH the Log Arch and Log Dolly when raising a log.
- Ensure the Lashing Chain is properly connected before towing or skidding.
- 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. Towing or skidding at a high speed is dangerous. Move at a very slow and easy speed. Stop immediately if the log is binding.
 2. Ensure the Log Arch and vehicle are on a level surface and the coupler is level within 5 degrees when attaching.
 3. Do not allow passengers to ride on the Log Arch and Dolly, or on any log being moved.
 4. Allow ample room to maneuver the vehicle, Log Arch and Dolly while towing or skidding.
- 5. Allow for an increased turning radius when turning.
- 6. Do not back up while towing or skidding a log.
- 7. 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 the Log Arch and Dolly. The operator must use mature judgment, skill, and experience to choose a speed suitable for terrain and riding conditions.
- Disconnect the Log Arch and Dolly from the ATV or UTV and chock the wheels after each use and before servicing the Log Arch and dolly.
- Operators under 18 years of age must be appropriately supervised by an adult at all times while operating this equipment.
- Operation of this equipment requires skills acquired through practice over a period of time. Take time to learn the basic techniques well before operation of the Log Arch and Dolly, and any of their 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 Log dolly 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 Log Dolly will need to be assembled by the user or by a competent technician. Follow these steps to ensure proper assembly.

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. Remove each piece from the box and set aside. Remove any plastic coverings. 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 and parts. In a well-lit area with enough room to assemble and move the Log Dolly around, lay out the the parts.

Step 5: Assemble Wheels to the Main Frame. Place a Tire & Wheel (6) onto the axle shaft on each side of the frame. Place

a Wheel Washer (7) and Wheel Locknut (8) onto the shaft and tighten.

Step 6: Attach the Upright Supports. Attach the two upright supports so they are leaning outwards towards the wheel and with the chain mounting rings on the same side. Use the a Bolt, Washer, and Locknut (4) to secure in place. Tighten the fasteners to between 45 and 55 ft-lbs.

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 Log Arch to transport other items. The Log Arch is to be used only for skidding logs.
- Ensure the tires on the both the ATV/UTV and Log Arch 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.
- DO NOT attempt to skid a log while descending a hill or with the ATV/UTV on the downhill slope.
- A Log Arch that sways excessively or seems unstable while skidding is dangerous. DO NOT continue if instability continues. Gradually slow down, move to a safe location, chock the log to prevent it from moving and inspect all connections.

HOOKING UP TO THE TOWING VEHICLE

1. Use a hitch with a 2 in. (50.8 mm) Hitch Ball that exceeds the Log Arch haul rating.
2. Ensure the tow bar is level. Do not exceed a height differential with the tow bar greater than +/-5°. 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.

3. 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.
4. Ensure the Winch Strap is fully retracted and the Lashing Chain is removed or secured between the two hooks on the arch. The chain should not be allowed to drag on the ground.

SKIDDING A LOG



WARNING

Skidding a log is a dangerous operation.

Follow all local codes regarding workplace and labor safety. Training and familiarity in Logging Operations Safety, such as Washington Administrative Code Title 296-54, is highly recommended.

Chock the log before attempting to lift to prevent it from rolling.

1. Use a timber jack to raise the end of the log high enough so the Log Dolly can be placed underneath.
2. Block the log with enough space for the Log Dolly.
3. Roll the Log Dolly underneath and lower the log so the log rests on the dolly frame and is engaged in the teeth.
4. Lash the chain at least once around the log while passing the chain underneath the center part of the Log Dolly frame, then attach each end of the chain onto the mounting rings with the carbiners on the ends of the chain.
5. Use the Load Binder to bind the chain around tightly around the log.

6. With the vehicle brake locked, remove the chocks at the log and ATV/UTV wheels, then slowly and carefully tow/skid the log to the desired location.
7. Once the log is in place, unhook the log binder and remove the chain.
8. Use a timber jack to lift the log, block it, and pull the Log Dolly from under the log.

CARE AND MAINTENANCE

GREASE POINTS

A quality high pressure grease is recommended.

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 Log Dolly has been treated to help eliminate rust and corrosion, it may be necessary to protect the surfaces 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.

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.

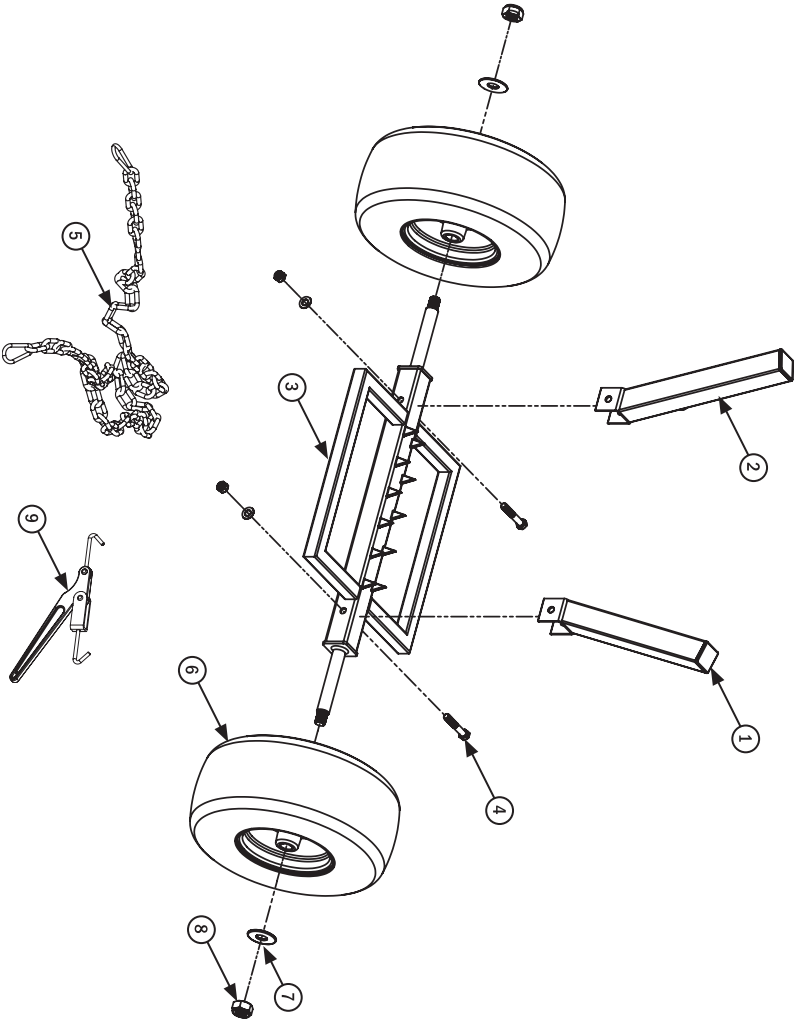
DISPOSAL:

Recycle a Log Dolly 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.

Item	Description	Qty
①	Plastic Plug, Square	2 ea.
②	Upright Supports	2 ea.
③	Main Frame	1 ea.
④	Bolt, M12 x 70, Washer, Lock nut	2 ea.
⑤	Chain w/ two Carabiners	1 ea.
⑥	Tire & Wheel 16in. x 4-8	2 ea.
⑦	Washer, Wheel	2 ea.
⑧	Locknut, Wheel	2 ea.
⑨	Load Binder	1 ea.



PARTS LIST

NOTES

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.

Warranty Disclaimers

NO WARRANTY, ORAL OR WRITTEN, OTHER THAN THE ABOVE WARRANTY IS MADE WITH REGARD TO THIS PRODUCT, ANY IMPLIED WARRANTIES OF SELLER REGARDING THIS PRODUCT INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. BUYER'S OR USER'S REMEDIES ARE SOLELY AND EXCLUSIVELY AS STATED ABOVE. STAR ASIA-USA, LLC SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, OR SPECIAL DAMAGES. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL SELLER'S LIABILITY EXCEED THE PRICE OF THE PRODUCT WHICH HAS GIVEN RISE TO THE CLAIM OR LIABILITY. ANY LIABILITY CONNECTED WITH THE USE OF THIS PRODUCT SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIODS SPECIFIED ABOVE.

Limitations on Warranty Disclaimers

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.

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P.O. Box 58399, Renton, WA 98058
Consumer Service: 800-386-0191
e-mail: info@titan-us.com
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