

ALWAYS MOVING FORWARD



2019 BELLYDUMP TRAILER

OWNER'S MANUAL

VERSION 1.0



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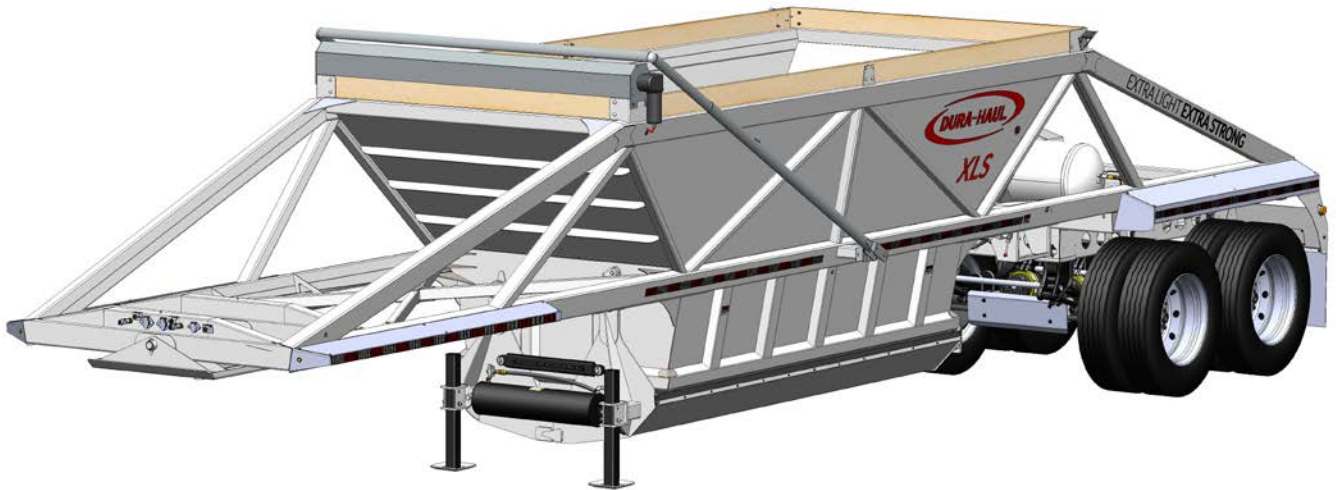


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WARNING !

- This trailer must be used following the manual, inappropriate use out of the trailer is the responsibility of the user and may cause malfunction of the equipment in partial damage, total loss of the equipment, injury or loss of life.

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Before attempting to load, unload, or operate this trailer, YOU MUST READ THIS MANUAL and become completely familiar with all of its operation instructions and safety precautions. To avoid serious injury or death, ALWAYS FOLLOW THESE PRECAUTIONS:

1. Do not allow unqualified, untrained, or careless personnel to operate the trailer. Do not use the trailer for a purpose for which it was not intended.
2. Each person at the user's facility who may be involved with installing, operating, servicing, inspecting, maintaining, or repairing the trailer must read the complete operating instructions and carefully study and understand the safety instructions. All actual and potential operators should confirm their having done so in writing.
3. The trailer must be serviced and maintained only by authorized knowledgeable personnel for safe operation of the trailer. Only the manufacturer or authorized technicians should carry out more than minor repairs.
4. Do not allow anyone who is not physically fit or mentally alert near the trailer or its operating area. Be constantly alert to possible hazards on or around the trailer.
5. Keep a safe distance at all times from any moving parts.
6. When unloading the trailer:
 - a. Long hair must be protected by headgear.
 - b. Do not wear loose apparel such as ties, scarves, etc.
 - c. Remove all wristwatches and jewelry.
 - d. Wear only approved industrial grade eye protection or a face guard to protect against flying debris.
7. Do not allow tools or other loose objects to be placed on top of or around the trailer.
8. At the very first sign of any problem and before attempting any troubleshooting or maintenance, the trailer must be stopped.
9. Safety features must not be removed, dismantled, altered, put out of operation or relocated. All guards and safety devices are to be re-fitted and in place after changeovers, servicing, or making repairs and before the trailer is used. All safety devices must be checked at regular intervals for correct operation.
10. Do not remove safety signs or warning decals from the trailer. Product safety signs should be periodically inspected and cleaned as necessary. Product safety signs should be replaced when they are no longer legible at a normal viewing distance. Replacements are available from Dura-Haul, LLC.
11. Follow all workplace safety and accident prevention regulations applicable to the operation of the trailer. Comply with local, state, and/or federal environment regulations, including those governing airborne dust particles.
12. Designate a person to be responsible at any given time for installation, commissioning, operating and repair of the trailer so the responsibility for safety will not be lost.
13. The trailer has been designed and built with original Dura-Haul parts only. Only original Dura-Haul parts must be used for maintenance or repair. Use of other parts will void your warranty.
14. Do not perform modifications to or reconstruction of the trailer without first getting written approval from Dura-Haul.
15. The cleanliness and tidiness of the trailer and its surrounding area must be ensured through appropriate instructions, routine inspections, and cleaning.

DAILY INSPECTION

It is important that your Belly Dump trailer be inspected and serviced on a regular basis to keep it in safe and in a functional condition. Regular maintenance will also save you money in costly repairs over time. A daily inspection of the following items should be performed before using the trailer:

- ✓ **Trailer**
 - Hopper
 - Kingpin area
 - Fifth wheel plate
 - Framework
 - Bolts and fasteners
 - Ladder
 - Mud flaps
- ✓ **Suspension & axles**
 - Axle alignment
 - Hub oil level
 - Brake adjustments
 - Brake pad thickness
 - Wheels
 - Tires
- ✓ **Tarps**
 - Tarp hardware
 - Tarps

PAINT CARE & CORROSION PREVENTION

Your Dura-Haul Belly Dump trailer is coated with a 5 step powder coating Process. This paint is built to give a longer lasting corrosion resistance and higher quality finish. The best way to preserve the finish on your trailer and help prevent corrosion is to wash it regularly, especially after it has been used around road salt or other ice, road oil or tar, or any other potentially corrosive material. Hauling corrosive products such as salts and fertilizers will void the paint warranty.

Small nicks or chips in the paint can occur with normal use. Any chips or scratches in the finish should be repaired with matching touch-up paint. This is especially important for carbon steel trailers; as even small areas of bare metal can corrode quickly. The cost of repairing any chips is the responsibility of the owner.

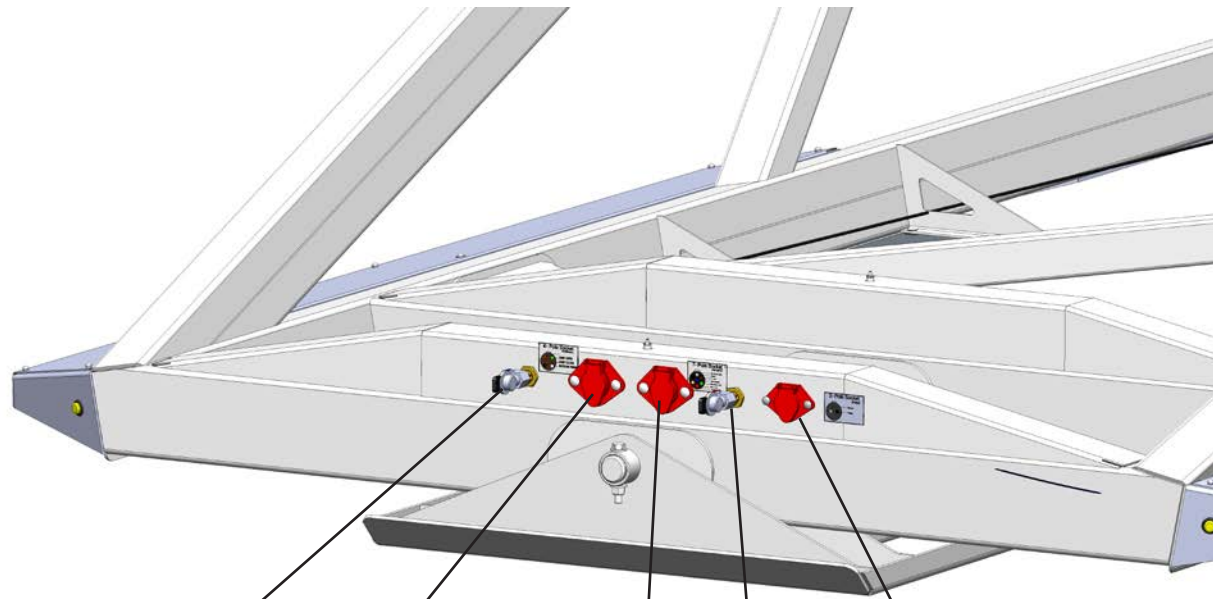
PREVENTATIVE MAINTENANCE

We recommend that you follow the general preventative maintenance schedule below. The intervals given are for nominal operating conditions; service more frequently if the trailer is used in an overly humid or dusty condition.

- ✓ **After the first 50 miles**
 - Check torque of cap nuts or flange nuts on each wheel
- ✓ **After the first 1,000 miles**
 - Check torque of suspension hardware
 - Check alignment of suspension
- ✓ **Every 5,000 miles or once a month (whichever comes first)**
 - Wash trailer thoroughly with a mild detergent and water
 - Check general structural condition for corrosion or cracks
 - Inspect kingpin area
 - Check clearances and torque of air-ride suspension system
 - Visually check alignment of suspension
 - Check condition of lights
 - Check wiring harness for cracking or chafing
 - Check hydraulic and pneumatic lines for signs of leakage or wear
 - Check hinges on rear door(s) for signs of damage
 - Lubricate hinges, latches, and bearings (if applicable) on rear door(s)
 - Inspect brake components for proper adjustment and for any sign of damage
 - Check tires for excessive wear and proper inflation
 - Check wheel nuts for proper torque
 - Check wheel seals for leaks
 - Check level of oil in axles
 - Check conveyor system for excessive wear or damage
 - Check condition of tarp system, if installed
 - Check condition and security of mud flaps
- ✓ **Fifth wheel area inspection**

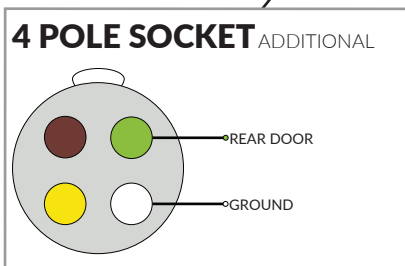
The fifth wheel area must be kept clean and free of dirt and foreign materials. This includes the area between the kingpin plate and the body of the trailer where the conveyor travel. Build of materials can cause binding or other serious damage if allowed to remain in this area.

FRONT TRAILER CONNECTORS



Service Supply

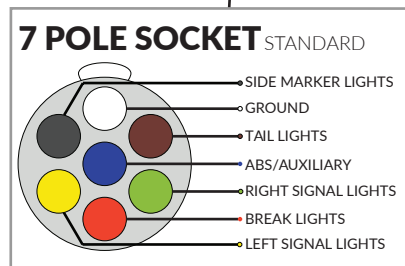
Emergency Supply



4 POLE SOCKET ADDITIONAL

Replacement part number: 15-326

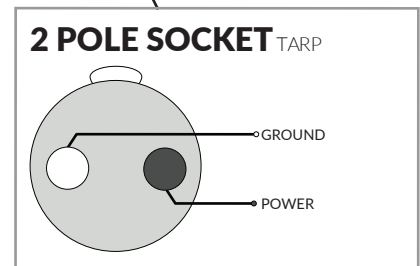
The 4 pole socket is used to activate the pneumatic cylinder to control the gate.



7 POLE SOCKET STANDARD

Replacement part number: ACP-720H

The 7 pole socket is a standard plug on all trailers. This connector is used to feed every light of the trailer such as the side marker lights, tail lights, brake lights and the ABS valve for the brake system.

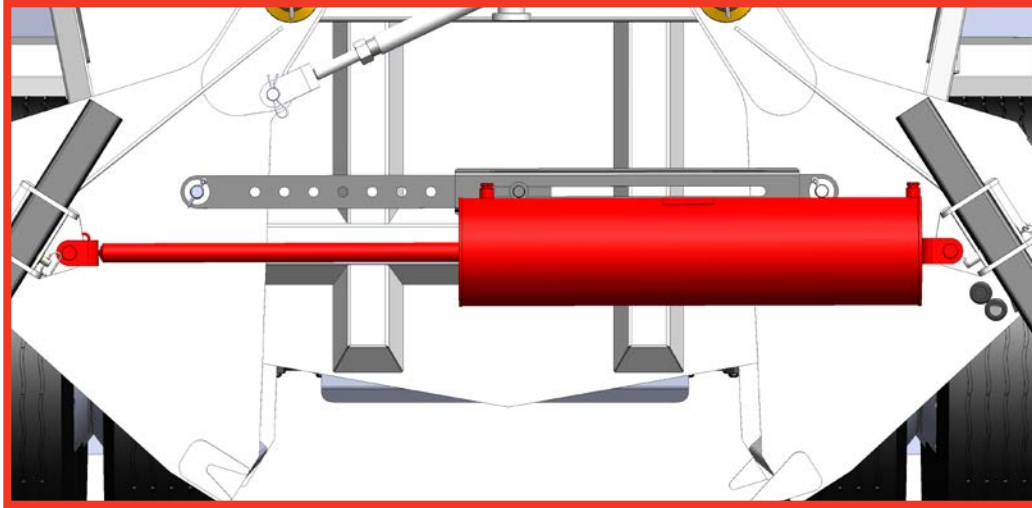


2 POLE SOCKET TARP

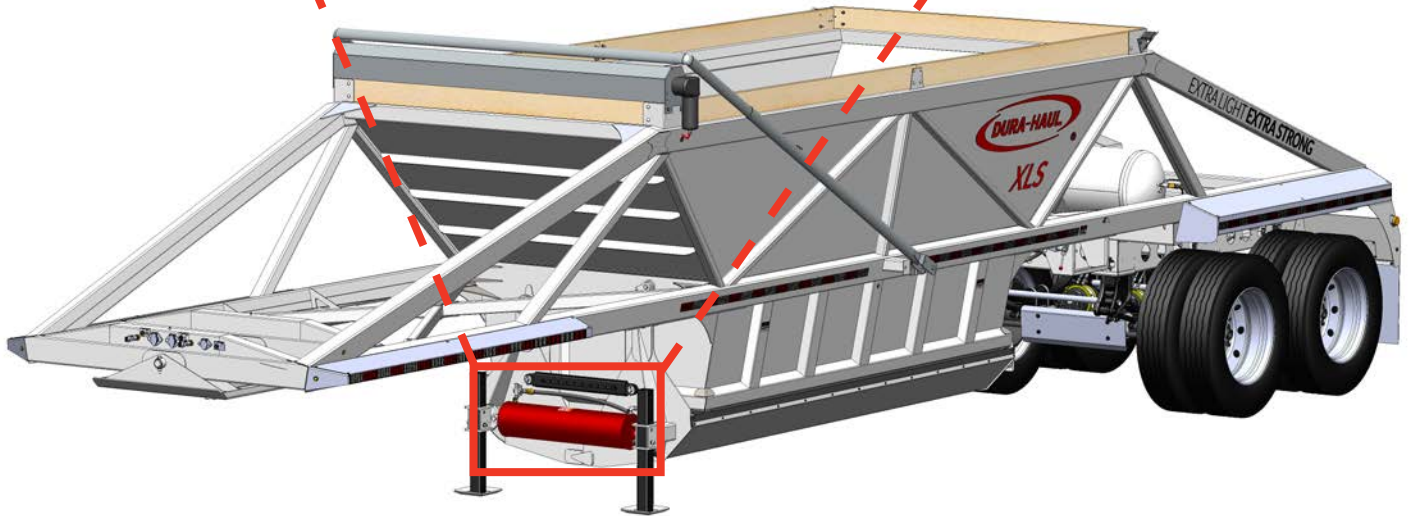
Replacement part number: 15-400

If your trailer has an electric tarp system, it is connected to this socket in order to operate the tarp.

BELLY GATE CYLINDERS



Replacement part number: Belly gate cylinder 8x30 (IZA-CY-2003)

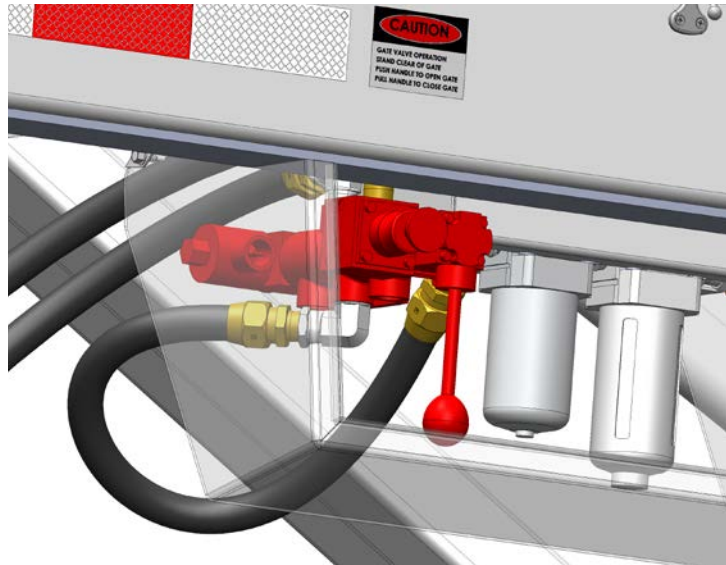


PNEUMATIC DOOR

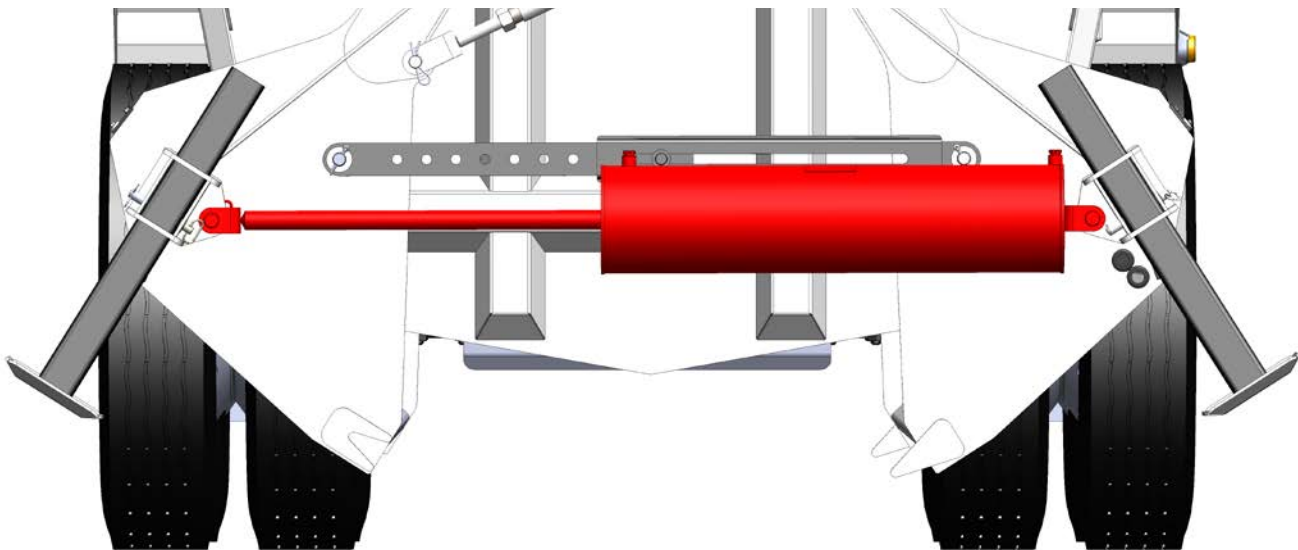
The bottom gate has a mechanical closing system that works with pneumatic cylinders which the versa valve activates. This valve, located in the chassis on the axles, can be activated from inside the cab or manually.

Once the valve is activated it will open the cylinders to the predetermined position and keep it in place, once the valve is shut off it will close the gates, while still keeping pressure to ensure the gates stay closed.

VERSA VALVE



Replacement part number: VGK-4523-20C-D012



WARNING !

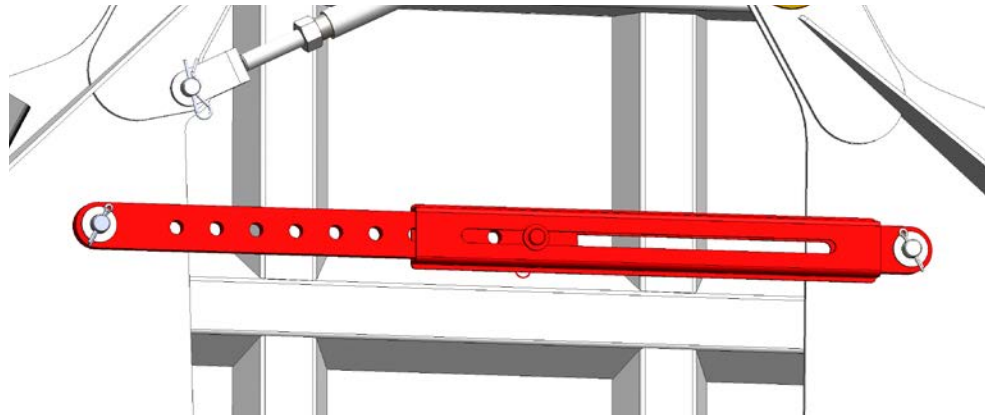
Gates can open under the weight of the load causing a loss of property, serious bodily injury or death. Make sure door is securely closed and latched before getting behind the trailer or before loading or towing the trailer.

WARNING !

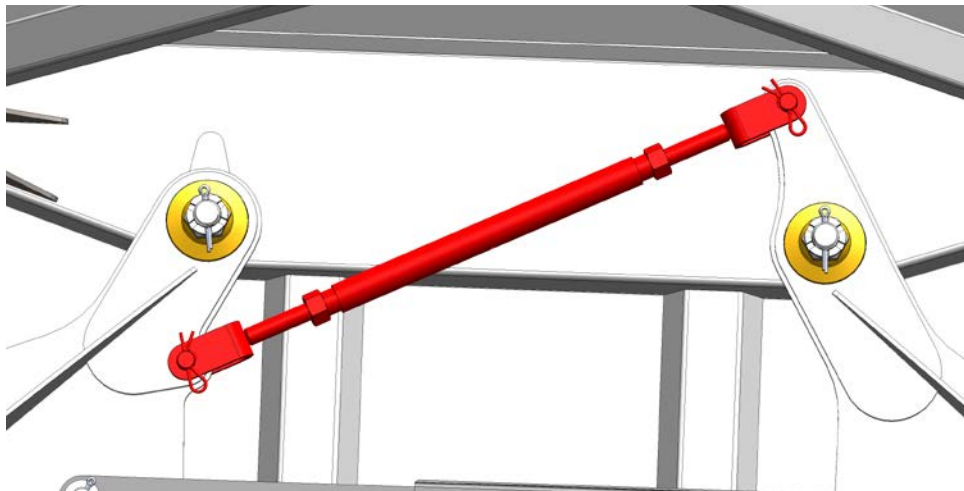
Do not get behind a loaded trailer with door(s) open. The trailer's contents could spill on you causing serious injury or death.

ADJUSTMENT BAR

The bottom gate has an adjustment bar which is used to determine opening levels of the door which has 10 adjustments according to the need of the user. The different opening options are predefined in the trailer and can be adjusted through a 3/4 pin with a safety clamp.



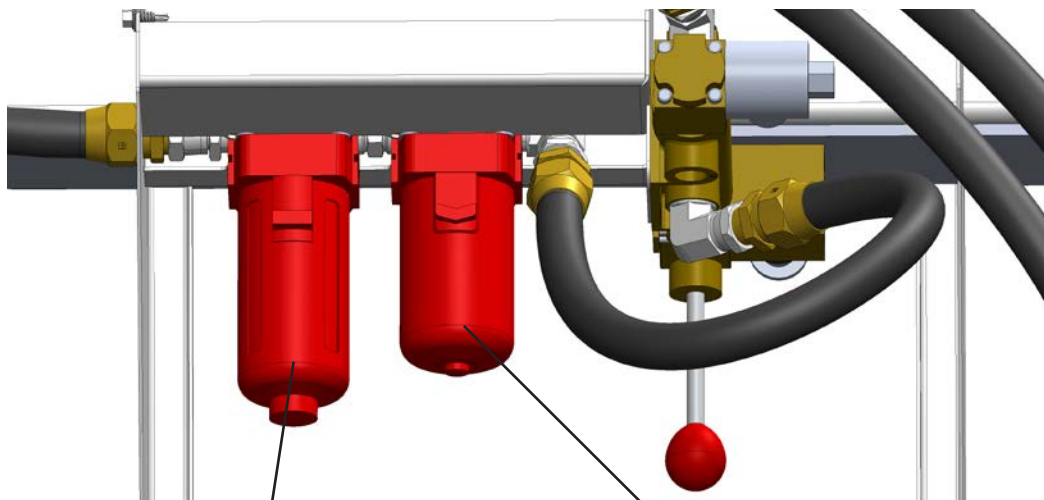
Replacement part number: IZA-G01



Replacement part number: IZA17-2007

TURNBUCKLE

The belly gate system includes a turn buckle which matches both gates to the same aperture and to open and close at the same level. It is manually adjustable by turning clock and counterclockwise the bolt with a 3/8 rod either to open one door or place it in the middle to open both gates



AIR FILTER

Filter is designed with a Separator & shield for efficient moisture separation.

Replacement part number: 36JN51

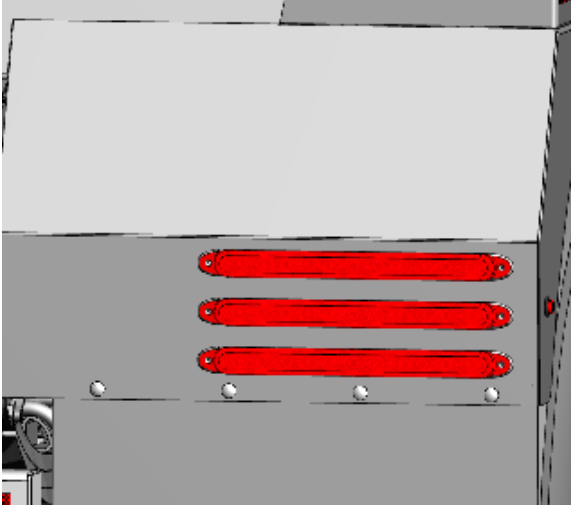
AIR LUBRICATORS

Is used to supply lubricant to pneumatic equipment. These maintain a constant oil-to-air density over a wide range of flow.

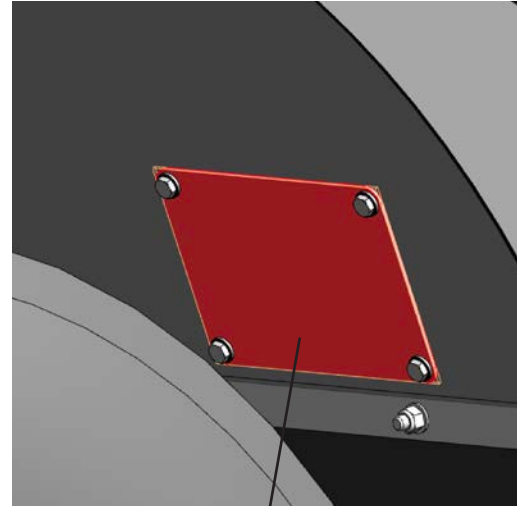
Lubricators are a Fog/MicroMist system for upto 50' of pipe. Designed for best performance with 32 grade oil. Both filters (air filter and air lubricator) have a Die Cast Aluminum Head, polycarbonate bowl with a steel bowl guard. The head is fitted with Oil drop indicator, Oil drop controller & Oil filling plug

Replacement part number: 36JN59

Front view



Back view



Metal Plate

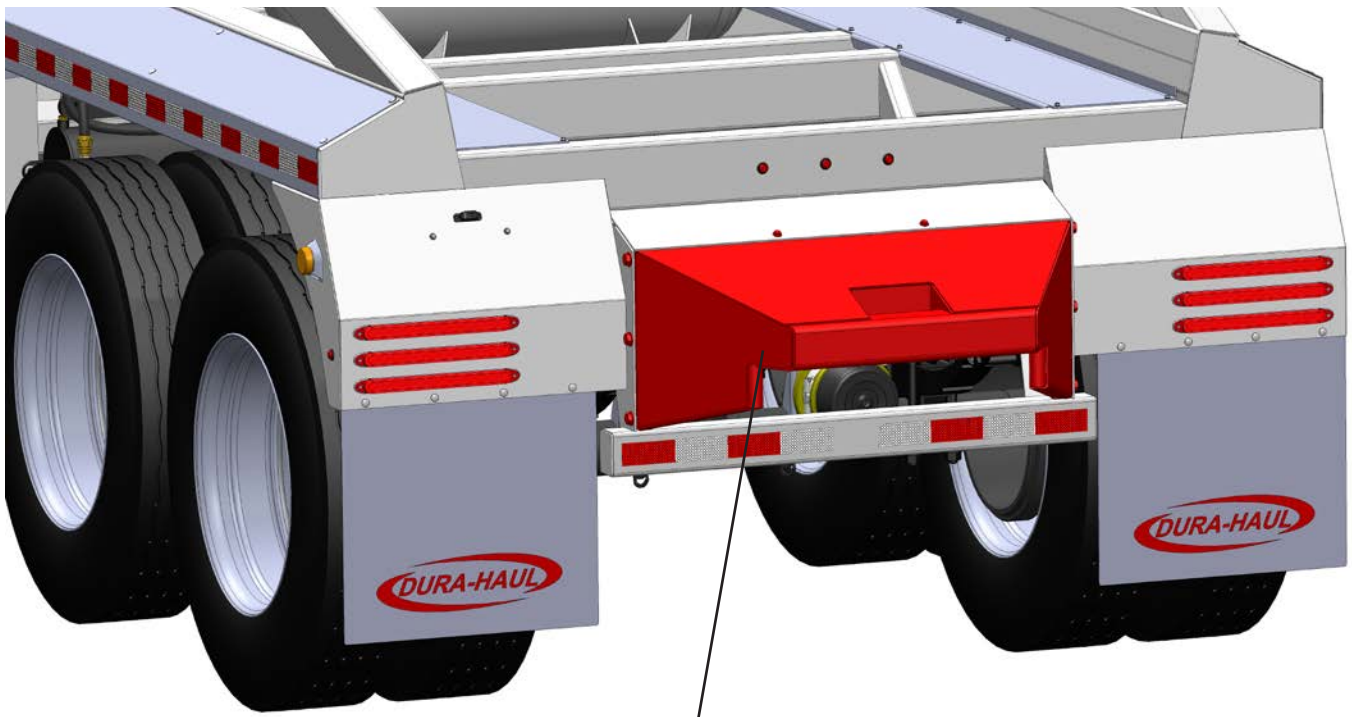
1. Remove the bolts using 7/16" key or socket from the metal plate on the back side of the rear lights.
2. Take the plate off.
3. Remove the light and cut the wire.
4. Replace old light with new light and rewire.
5. Place 1/4" bolts back in place using 7/16" key or socket.



PUSH PULL BLOCK

Our unique design of the push-pull block is located at the back of the trailer. The purpose of the push-pull block is to push and or tow out the belly dump if it gets stuck. Whether you can pull or push, its design includes an opening in which you can use to hitch or tie up to tow and pull out the trailer. The block's design also has a notch located below so you can use a loader to push & lift at the same time.

This is a bolt on push block. In case it gets damaged in any way while pulling or pushing the trailer you may easily replace the block without replacing any other piece by just removing the bolts.



Push Pull Block

MOUNTING OPTION

We offer two types of tarp, electric or manual.

The electric tarp is switch activated from the truck's cab; different from the front to back manual tarp which has a chain crank to rotate the gears sliding the tarp across the entire length of the end dump.

TARP MATERIAL

The variety of materials we have available are mesh tarp and vinyl tarp. Choose whichever fits better to your project.

FLIP TARP SYSTEM



Replacement part number: FTB05 ROLL MASTER

WARNING



DO NOT STAND BEHIND A LOADED TRAILER WITH DOOR(S) OPEN. THE TRAILER'S CONTENTS COULD SPILL ON YOU CAUSING SERIOUS INJURY OR DEATH.

WARNING



DOOR CAN OPEN UNDER THE WEIGHT OF THE LOAD CAUSING LOSS OF PROPERTY, SERIOUS INJURY OR DEATH. MAKE SURE DOOR(S) ARE SECURELY CLOSED AND LATCHED BEFORE GETTING BEHIND THE TRAILER OR BEFORE LOADING OR TOWING THE TRAILER.

WARNING



THE OPERATOR'S RESPONSIBILITY IS TO BE AWARE OF PROPER LADDER USAGE AND CURRENT SAFETY REGULATIONS.

WARNING



UNEVEN OR OVER LOADING CAN CAUSE THE TRAILER TO COLLAPSE OR BECOME UNCONTROLLABLE WHILE DRIVING, LEADING TO A LOSS OF PROPERTY, SERIOUS INJURY OR DEATH. LOAD THE TRAILER EVENLY FROM THE REAR TO THE FRONT. DO NOT HEAP THE LOAD IN THE MIDDLE.

WARNING



SLIPPING ON, OR FALLING FROM LADDERS CAN LEAD TO SERIOUS INJURY OR DEATH. USE CAUTION WHEN CLIMBING ON TO THE TRAILER TO REDUCE THE RISK OF FALLING.

WARNING



BRAKE SYSTEM COMPONENTS ARE SPRING LOADED. SERVICING BY AN UNTRAINED PERSON CAN RESULT IN SERIOUS INJURY OR DEATH. HAVE BRAKES SERVICED BY A TRAINED TECHNICIAN ONLY. CAGE OR DEACTIVATE BRAKES BEFORE SERVICING.

WARNING

THE ALIGNMENT OF THE SUSPENSION MUST BE INSPECTED AND ADJUSTED BY A QUALIFIED TECHNICIAN IN ACCORDANCE WITH DURA-HAUL'S OWNER'S MANUAL. ADJUSTMENTS MADE BY AN UNTRAINED PERSON COULD RESULT IN LOSS OF PROPERTY, SERIOUS INJURY OR DEATH.

WARNING

- **PRIOR TO COUPLING TRAILER TO TRACTOR:**
 - INSPECT FIFTH WHEEL AND KING PIN FOR DAMAGE. DO NOT OPERATE TRAILER IF ANY DAMAGE IS FOUND.
 - VERIFY THAT THE FIFTH WHEEL IS CLEAN AND LUBRICATED (CONSULT THE DURA-HAUL OWNER'S MANUAL FOR INSPECTION AND LUBRICATION).
- **PRIOR TO TOWING THE TRAILER, ENSURE THE KING PIN IS SECURELY ENGAGED IN THE FIFTH WHEEL.**
- **FAILURE TO FOLLOW THESE STEPS CAN RESULT IN THE TRAILER DISCONNECTING FROM THE TRACTOR WHILE TOWING, WHICH COULD RESULT IN LOSS OF PROPERTY, INJURY OR DEATH.**

WARNING

USE OF IMPROPERLY SIZED OR MISMATCHED TIRES, STUDS, LUG NUTS, OR OTHER WHEEL HARDWARE COULD RESULT IN THE WHEEL HARDWARE OR COMPLETE WHEELS COMING OFF OF THE TRAILER WHILE TOWING. THIS COULD CAUSE DAMAGE TO OR LOSS OF PROPERTY, SERIOUS INJURY OR DEATH. CONSULT A QUALIFIED TIRE TECHNICIAN BEFORE CHANGING HARDWARE.

WARNING

THE ANTI-LOCK BRAKE SYSTEM ON THIS TRAILER MUST BE SERVICED BY A QUALIFIED TECHNICIAN ONLY. WORK PERFORMED BY UNTRAINED A PERSON CAN RESULT IN LOSS OF PROPERTY, SERIOUS INJURY OR DEATH.

NOTICE

IF THE ABS INDICATOR LAMP COMES ON AND STAYS ON WHEN YOU APPLY BRAKES TO A MOVING VEHICLE, THE TRAILER ABS IS NOT WORKING PROPERLY. THE ABS MUST BE SERVICED AS SOON AS POSSIBLE UPON COMPLETION OF YOUR TRIP TO ENSURE FULL ANTI-LOCK BREAKING CAPABILITY.

WARNING

CONSIDER BEFORE EACH USE

- USE LADDER ONLY AS DEFINED IN THE OWNER'S MANUAL.
- DO NOT USE IN POOR HEALTH, UNDER THE INFLUENCE OF DRUGS OR ALCOHOL, OR PHYSICALLY IMPAIRED IN ANY WAY.
- SHOES OR BOOTS MUST BE WORN WHILE USING LADDER, MUST BE CLEAN AND IN GOOD CONDITION.
- LEATHER SOLES SHOULD NOT BE WORN, AS THEY CAN CAUSE YOU TO SLIP.
- USE LADDER AT YOUR OWN RISK.

NOTICE

CHECK YOUR TRACTOR:

- FMVSS-121 REGULATIONS MANDATE HIGHER AIR PRESSURE IN THE SUPPLY LINE. BRAKE PERFORMANCE ON THIS TRAILER WILL BE IMPAIRED IF THE TRAILER COMPRESSIONS ADJUSTMENT IS TOO LOW.
- COMPRESSOR CUT-IN PRESSURE: ADJUST TO 105 PSI ON THE GOVERNOR.
- COMPRESSOR CUT-OUT PRESSURE: ADJUST TO A MINIMUM OF 120 PSI ON THE THE COVERNOR.

NOTE: The use of additives in the air brake system is NOT recommended.

CAUTION

INSPECT BEFORE EACH USE

- INSPECT THOROUGHLY FOR MISSING OR DAMAGED COMPONENTS.
- INSPECT THOROUGHLY FOR LOOSE FASTENERS AND ENSURE THAT ALL LADDER HARDWARE IS IN WORKING ORDER.
- ENSURE LADDER IS FREE OF FOREIGN DEBRIS.
- REPLACE LADDER AND/OR HARDWARE IF DAMAGED OR WORN.

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