

\$35.00

# **BUS BAR GRID USER MANUAL**

# ***JERR-DAN***<sup>®</sup>

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# OPERATION

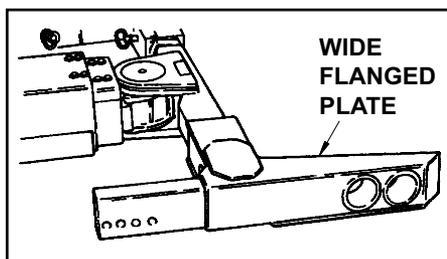
## HEAVY DUTY TIRE LIFT

DO NOT EXCEED THE FOLLOWING RATINGS:

	<b>HDTL</b>	<b>SHDTL</b>
Lifting Capacity (Each Arm) .....	7,000 lbs.....	12,000 lbs.
Lifting Capacity (Total) <sup>2</sup> .....	14,000 lbs.....	25,000 lbs.
Towing Capacity (Maximum) <sup>1</sup> .....	80,000 lbs.....	80,000 lbs.

<sup>1</sup> THE TOWING CAPACITY SHOULD NOT EXCEED THE GROSS COMBINED WEIGHT RATING (GCWR) OF THE TOWING VEHICLE OR 42,000 LBS. (GCW) GROSS COMBINED WEIGHT OF THE TOWED VEHICLE, WHICHEVER IS LOWER.

<sup>2</sup> **MAXIMUM LIFTING CAPACITY** - THE MAXIMUM LOAD THAT CAN BE LIFTED.



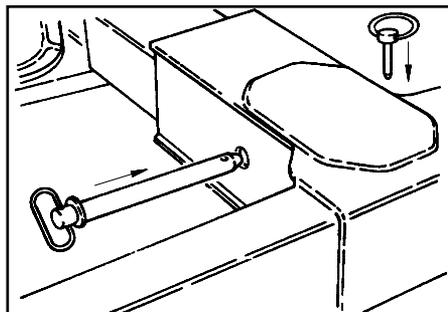
1. Slide the tire lift grid onto the crossbar.

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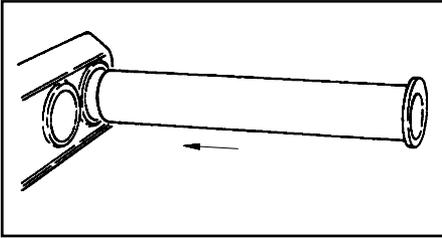
**CAUTION:**

Make sure that the tire lift Grid is installed as shown with the wide flanged plate on top. The flanges are marked with an "L" for left hand and an "R" for right hand.

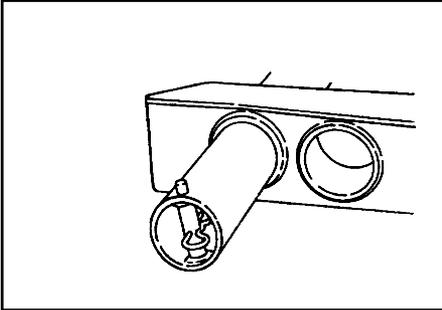
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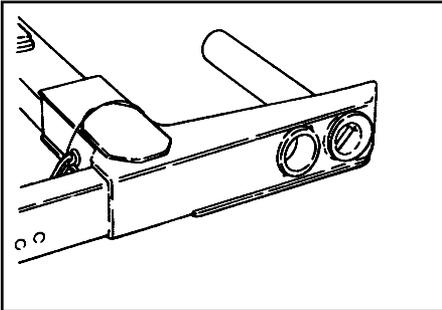
2. Install the retaining pin from the back side of the crossbar through the grid and crossbar and secure with the pin. There are two width positions. One for wider front end lifts and one for narrower rear end lifts.



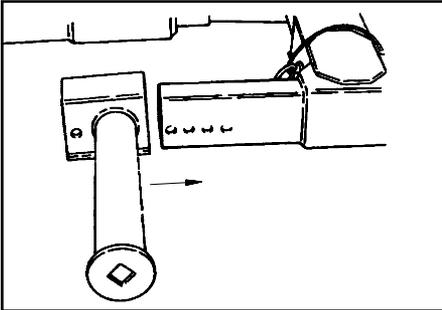
3. Insert the round tube into the desired position in the grid.



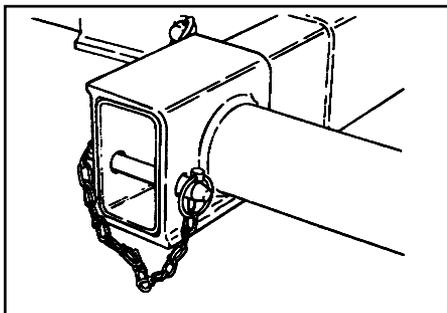
4. Install the retaining pin and hairpin.



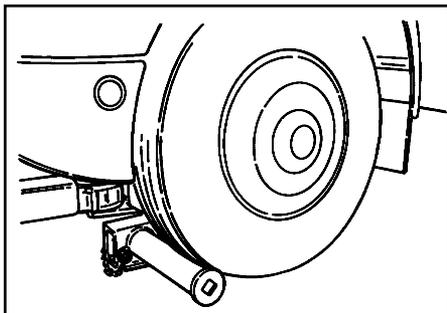
5. Retract the tube inward to the loading position.



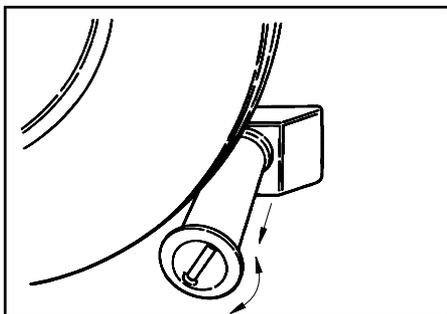
6. Slide the arm weldment over the end of the grid and adjust to the desired position for loading.



7. Install the retaining pin through the grid and arm weldment and secure with the pin.



8. Extend the under lift under the casualty vehicle so that the arm makes contact with the front of the tires. **At the same time make sure that you are not going to damage any under body components.**



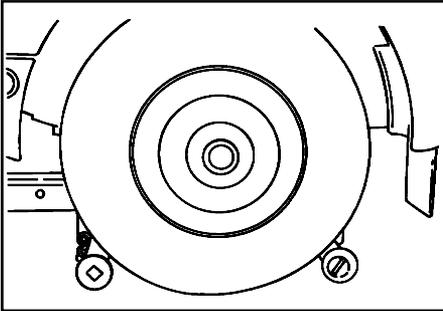
9. Using the pulling tool, extend the round tube to capture the back of the tire. After extending the tube, make sure that the flanged edge of the tube is turned up to prevent the tire from sliding off the end of the tube.

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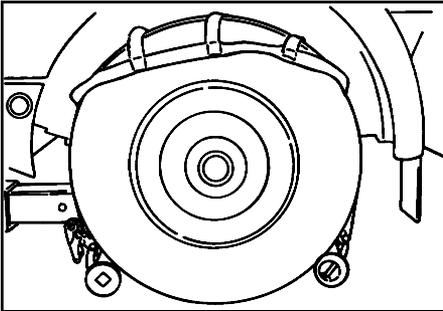
**!** **CAUTION:**

When lifting a vehicle that has dual tires from the rear, only extend the round tube out to capture the inside tire. The flanged edge of the tube must be between the tires and turned up to prevent the tire from sliding off the end of the tube.

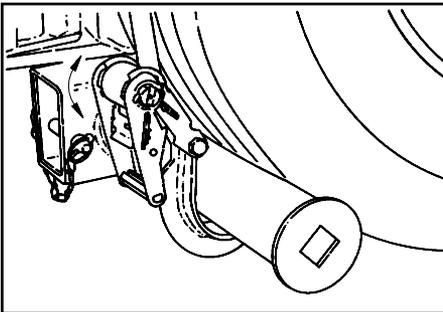
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10. Raise the boom to lift the casualty vehicle slightly. At the same time make sure that you are not going to damage any components.



11. Attach the hook end of the tie-down strap to the round tube behind the tire. Pull the strap up and cover the tire and attach the hook on the ratchet end of the strap to the arm in front of the tire.

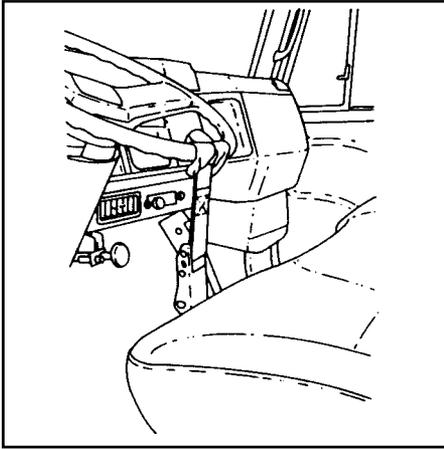


12. Take up the slack in the strap by ratcheting the takeup spool arm. Continue until the tires show some compression.



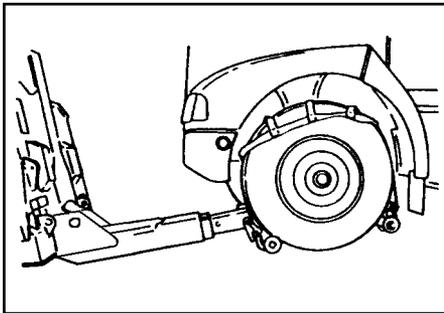
**CAUTION:**

If vehicle to be towed is on a slope, do not release the brake until the load is secured.



13. Always secure the steering wheel with a steering wheel strap for any front or rear tow.

14. With the vehicle in neutral and the parking brake released, you can move the vehicle safely up, down, in or out. All of these movements are hydraulically controlled.

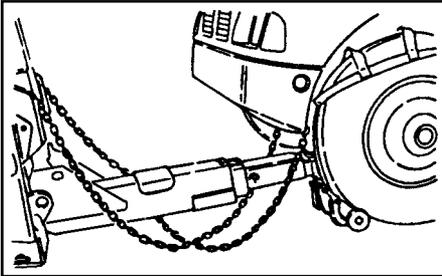


15. Power retract the under lift until the casualty vehicle is about three (3) to four (4) feet from the back of the recovery vehicle. Leave enough room to maneuver around corners without corner binding or causing contact between the two (2) vehicles. **Be sure that the fly boom is extended at least four (4) in. from the middle boom section to ensure unobstructed cross-bar pivoting.**

16. Raise the casualty vehicle into towing position observing the far end for sufficient ground clearance. It is possible to set the rear of a front lifted vehicle completely onto the ground, causing damage. Take irregular road surfaces into consideration.

**NOTE:**

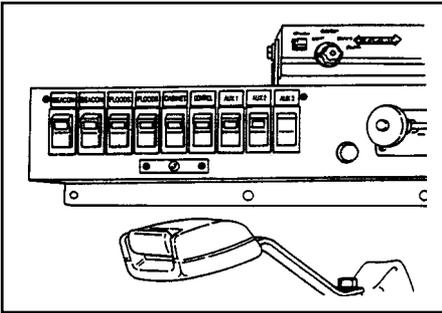
*When towing, the Underlift Boom should be as close to horizontal as possible. You will have better turning and maneuvering capabilities and it will prolong the life of your under lift and pivot pin.*



17. Be sure to maintain sufficient ground clearances with the bottom of the casualty vehicle.

18. Attach the safety chains and auxiliary towing lights.

19. Hook-up and connect air and braking systems.



20. If the remote hand controller was used, turn the CONTROL switch "OFF". (Switch is located on panel on the floor.)



**WARNING:**

Do not use the tire lift if the tire(s) of the casualty vehicle are flat or if there is damage to the wheels or suspension.

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**CAUTION:**

The tire lift and grid tubes must be in their outermost positions for storage on the under lift when folded up in the travel position to avoid damage to the body.

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**CAUTION:**

Retighten the tie-down straps periodically during a tow as the tires settle into the grid from towing.

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**CAUTION:**

The use of secondary tie-down chains is recommended. Fit the secondary tie-down chains to the axle (not to any part of the suspension or body which will rise and fall with the suspension) arranged so as to hold the wheel down in the grid and prevent it from jumping up, forwards, or backwards. Use load binders as required.

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**CAUTION:**

The use of trailer brakes or secondary braking devices while towing is recommended.

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**CAUTION:**

Do not tow any vehicle without safety chains being installed.

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**CAUTION:**

Always follow the chassis manufacturer's recommended procedures for towing. Remove drive lines and drive shafts as directed. Many vehicles can be severely damaged unless these components are removed prior to towing.

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**CAUTION:**

All products are subject to age, wear and deterioration, all of which cause a reduction in the products breaking strength capacity. It is recommended that all products be regularly inspected. Any worn, deformed, misused or overloaded products should be replaced immediately.

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## PARTS

HDTL TIRE LIFT			
ITEM	PART NO.	DESCRIPTION	QTY
1	3484000048	Grid Weld RH	1
2	3484000049	Grid Weld LH	1
3	3020000120	Arm Weld RH	1
4	3020000119	Arm Weld LH	1
5	3912000038	Tube Weld	2
6	4691000274	Pin	2
7	7691000020	Hairpin	2
8	7691000026	Hitchpin	2
9	7691000021	Hitchpin	2
10	7330000278	Decal - Caution	2
11	7330000277	Decal - Rating	2
12	7759000004	Rivet	8
13	3561000008	Hook - 2"	4
14	7894000028	Ratchet - 2"	4
15	7894000037	Strap - 2"	2
16	4561000012	Pull Hook	1

# SHDTL TIRE LIFT

ITEM	PART NO.	DESCRIPTION	QTY
1	3484000073	Grid Weld RH	1
2	3484000072	Grid Weld LH	1
3	3020000120	Arm Weld RH	1
4	3020000119	Arm Weld LH	1
5	3912000033	Tube Weld - 26.75"	2
6	3912000038	Tube Weld - 23"	2
7	4691000274	Pin	2
8	7691000020	Hairpin	2
9	7691000026	Hitchpin	2
10	7691000021	Hitchpin	2
11	7330000278	Decal - Caution	2
12	7330000550	Decal - Rating	2
13	7759000004	Rivet	8
14	3561000008	Hook - 2"	4
15	3561000015*	Hook - 3"	4
16	7894000028	Ratchet - 2"	4
	7894000060*	Ratchet - 3"	4
	7894000037	Strap - 2"	2
	7894000057*	Strap - 3"	2
	4561000012	Pull Hook	1

\* included in Strap Assembly Kit, P/N 7577000368



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