

MEDIUM-DUTY ZACKLIFT MH10,000 & Z6500



ZACKLIFT

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Zacklift does one thing and they do it well. No one else in the towing industry has more experience in add-on underlifts than the people at Zacklift.

Zacklift medium duty wheel lifts feature Zacklift's lift and tilt mechanism. Three separately functioning cylinders provide the unique ability to use the up and down function to lower the extension arm flat on the ground.

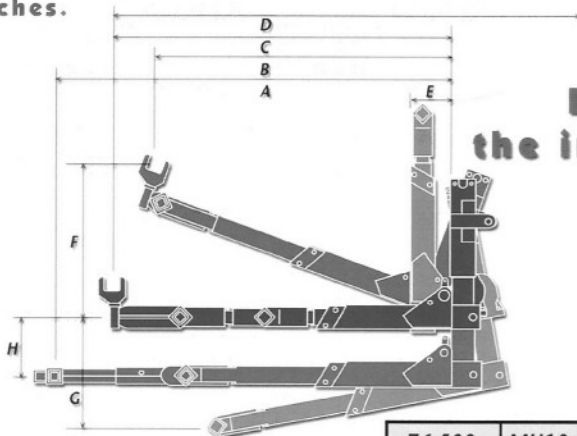
Then, **Zacklift's** superbly engineered tilt range of 25 can be adjusted to come up at an angle, clearing low hanging valance and chrome trim, more than you will ever need for routine towing. A direct up lift, or a lift with limited tilt angle would damage costly bumpers. Independent lift and tilt functions and the sharp up-tilt allow hook-up in one operation.

The powerful extend cylinder of the MH10,000 and Z6500 lifts will effortlessly bring in a load to position it for towing. Wear pads made of nylatron, a high density teflon, provide the smooth, long wearing surfaces all Zacklift tubes slide on.

Zacklift's compact upright storage position brings the frame lift to within 8 inches of the tailboard when retracted and does not interfere with winching, boom operation or driver maneuverability around the tailboard.

Frame Forks are standard equipment on the MH10,000. The highly adaptable **MOTORHOME FORKS** will turn the versatile wheel lift into a frame and axle lift. A second grid crossbar, 43 inches long, is included for slipping between duals. Motorhome forks are an option on the Z6500.

Zacklift features Timken roller bearings in the critical pivot hub to assure ease of movement and exceptionally long life. This bearing far outlives the bushing found in other under reaches.



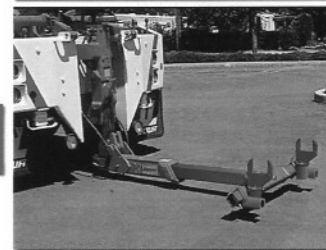
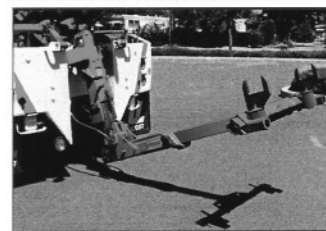
	Z6,500	MH10,000
Retracted Lift rating	6,500 lbs	10,000 lbs
Mid Extension Lift rating (from axle)	5,750 lbs	8,500 lbs
Extended Lift rating	5,000 lbs	7,000 lbs
Tow rating	40,000 lbs	40,000 lbs
Weight of unit	800 lbs	900 lbs
A. Reach to Wheel lift	76"	86"
B. Reach to Frame Forks	64"	74"
C. Reach to Bus Extension	74"	84"
D. Reach to axle from Bus Extension	108"	118"
E. Distance from tailboard when stored	8"	8"
F. Upward til, maximum lifting height	20° 50"	20° 60"
G. Downward tilt below ground	5° 7"	5° 8"
H. Down Stroke on lift cylinder	13"	13"

**Tilt,
tilt and
more tilt**

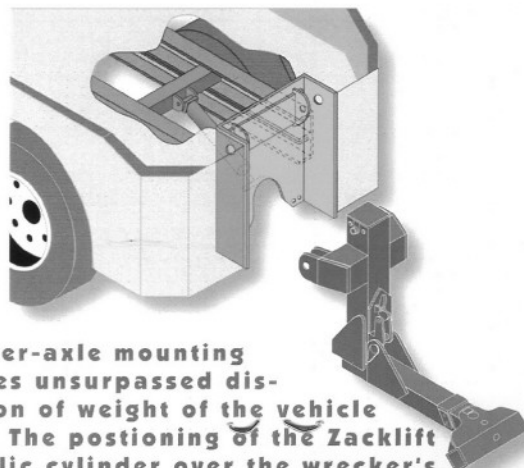
Lift

Extend

Fold



**Expertly engineered mounting for
the industry's best weight distribution..**



This over-axle mounting provides unsurpassed distribution of weight of the vehicle in tow. The positioning of the Zacklift hydraulic cylinder over the wrecker's rear axle allows for the lifting of significantly more than poorly engineered units mounting on the tailboard. Your Zacklift is easily installed in your own shop. You'll receive step by step installation instructions. Dealer or factory installation is also readily available.

Installation

Customount

Customount installation of the MH 10,000 And the Z6500 provides better weight distribution by placing more weight on the front axle. Installation requires cutting an access in the tailboard and welding the **CUSTOMOUNT** plate directly to the tailboard, and end of frame rails.

Note:

Before beginning installation, read through entire mounting instructions carefully.

Be sure all welds are complete and all bolts are of adequate strength. Check bolts for tightness often.

Always work on level surface.

Carefully inspect all mounting pins for cotter pins or snap rings.

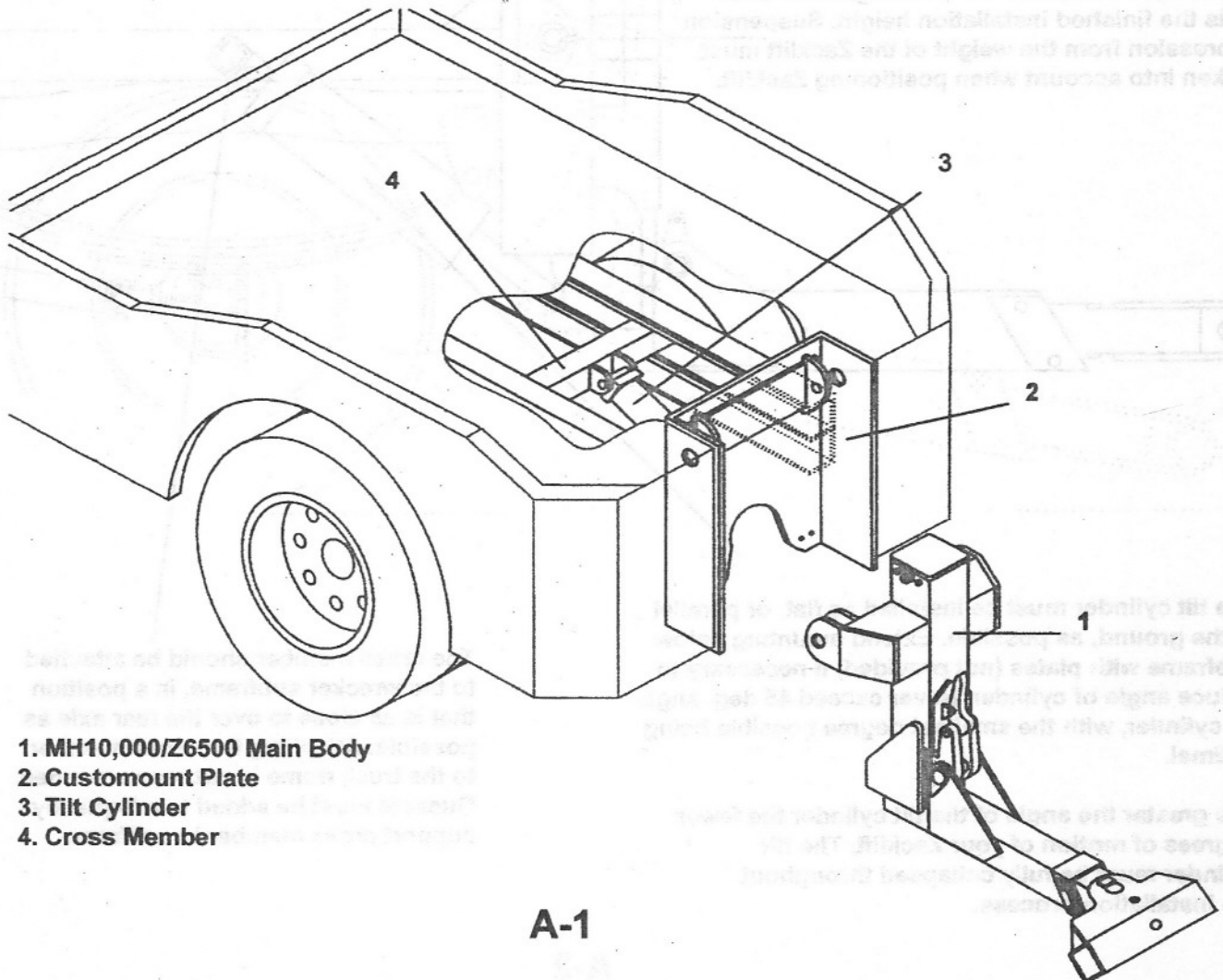
Important points:

The height of the pin above the ground is 44". Allow for weight of Zacklift when taking measurements.

The angle of the tilt cylinder should be as flat, or parallel to the ground as possible.

Negative pullback of 3" from vertical as measured at the bottom of the vertical tube is necessary for adequate tilt.

Route hydraulic hoses to avoid crimping or abrasion.



General Overview of Installation

The Customount plate should be recessed into the truck subframe as far as possible. This will allow the cross member's installation as far forward as possible, allowing the best possible weight distribution.

Gussets should be added for strength whenever the Customount plate extends above the wrecker deck and subframe.

The pivot pin should be 44" above ground level. This is the finished installation height. Suspension compression from the weight of the Zacklift must be taken into account when positioning Zacklift.

The tilt cylinder must be installed as flat, or parallel to the ground, as possible. Extend mounting below subframe with plates (not provided) if necessary to reduce angle of cylinder. Never exceed 45 deg. angle on cylinder, with the smallest degree possible being optimal.

The greater the angle of the tilt cylinder the fewer degrees of motion of your Zacklift. The tilt cylinder must be fully collapsed throughout the installation process.

The cross member should be attached to the wrecker subframe, in a position that is as close to over the rear axle as possible. Attaching the cross member to the truck frame is not recommended. Gussets must be added to adequately support cross member in subframe.

MH10.000/Z6500 **Customount**

Cross Member Reinforcement

Pictured are factory suggestions for reinforcing the tilt cylinder cross member.

The cross member should only be attached securely to the wrecker subframe.

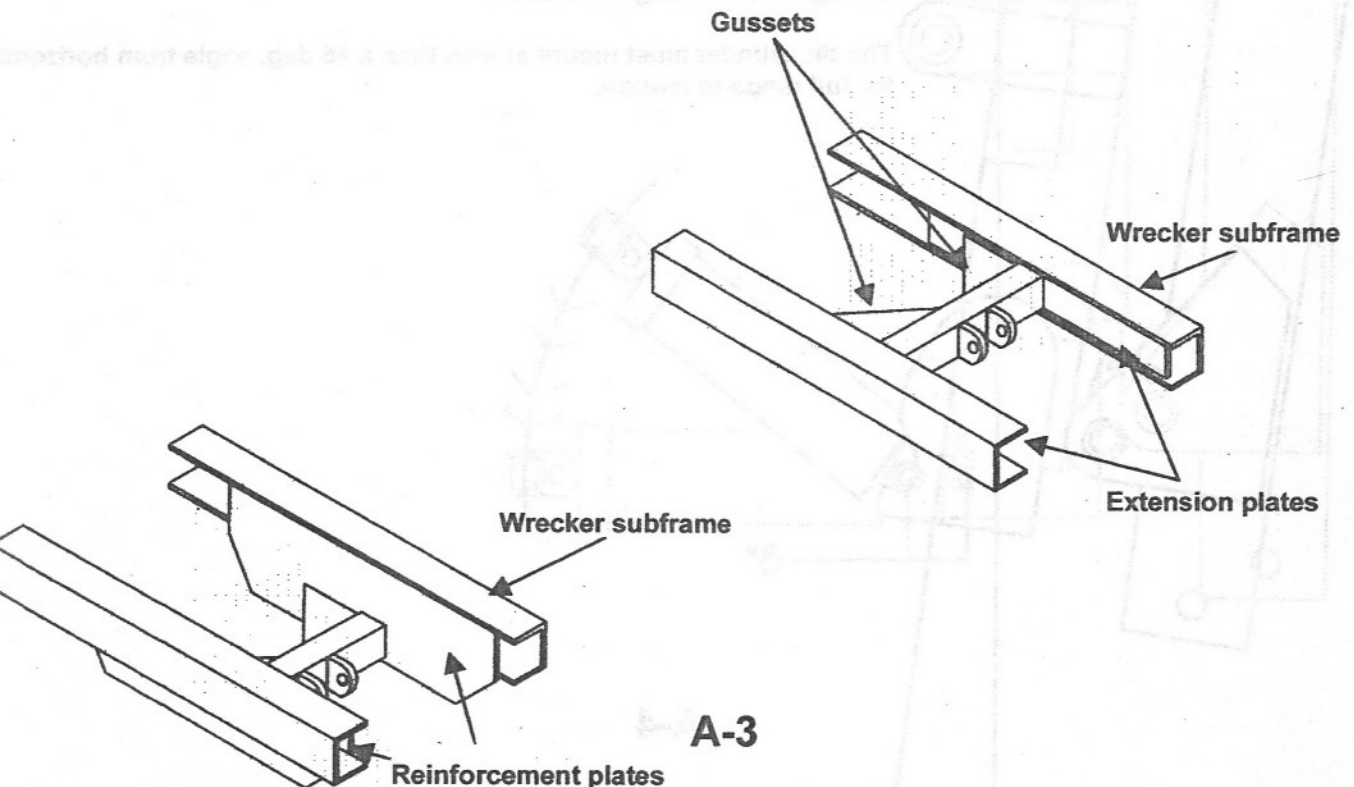
The subframe should be reinforced in such a way that the load on the cross member is distributed along the entire length of the subframe. Weak or deteriorated sub frames require additional adequate reinforcement.

If the cross member is to be located below the subframe, plates should extended below subframe to give additional support to cross member.

Gussets must be used behind the cross member to prevent bending under heavy loads.

Reinforcement materials are not supplied with the cross member.

IMPORTANT: All welding should be done by a Certified Welder



Locating Cross Member

To locate the cross member on the wrecker subframe, first mount the Zacklift on the Customount plate.

With the Zacklift mounted it should be blocked in such a way that the Zacklift is tilted down at approximately 8 deg. This can also be measured by starting with the Zacklift vertical and moving the bottom toward the Customount plate approximately 3".

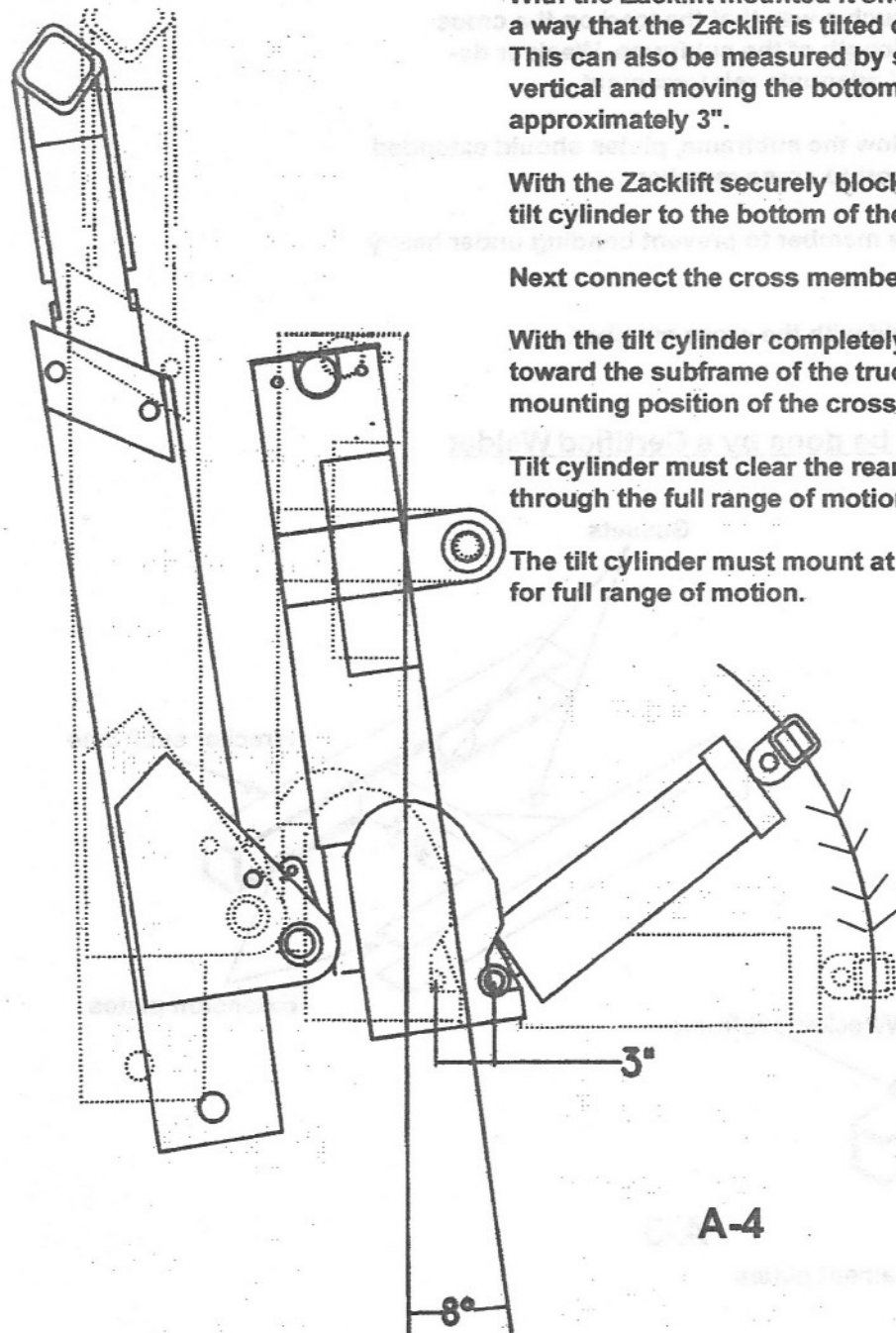
With the Zacklift securely blocked in this position attach the tilt cylinder to the bottom of the Zacklift.

Next connect the cross member to the other end of the tilt cylinder.

With the tilt cylinder completely compressed swing the assembly up toward the subframe of the truck, within this arc lies the desired mounting position of the cross member.

Tilt cylinder must clear the rear axle and other suspension components through the full range of motion.

The tilt cylinder must mount at less than a 45 deg. angle from horizontal for full range of motion.



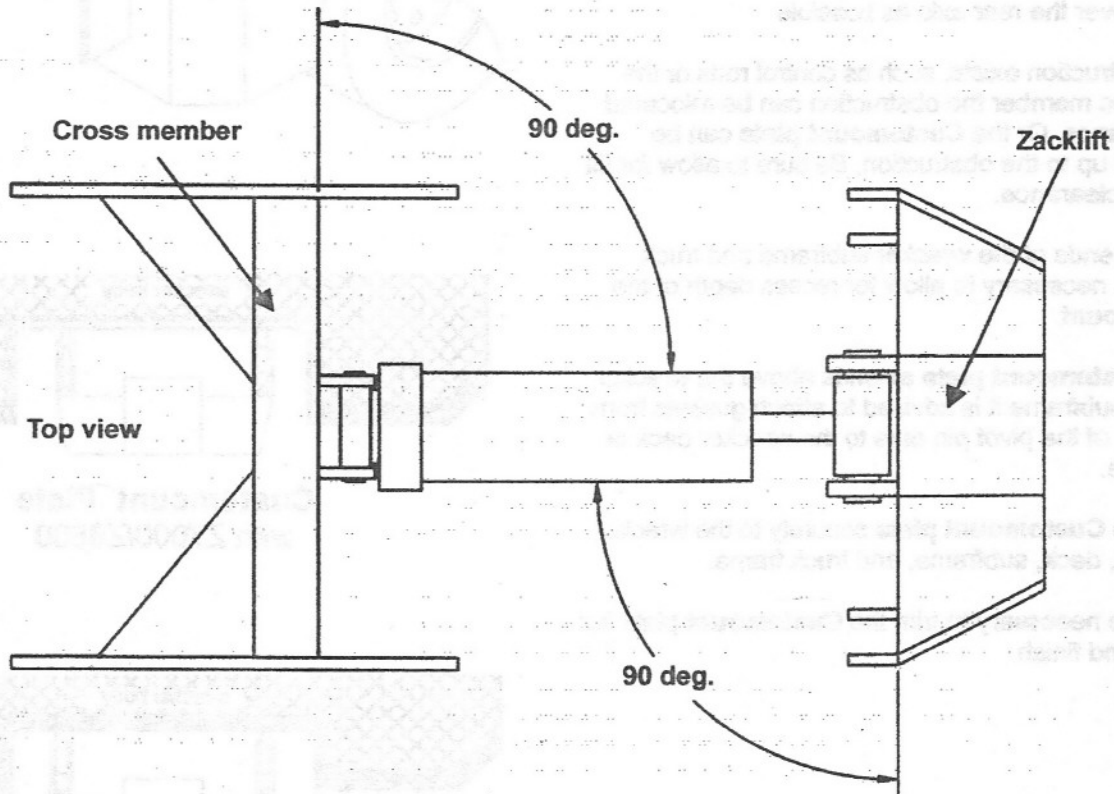
MH10,000/Z6500

Customount

Cross Member Alignment

The center of the cross member, tilt cylinder, and Zacklift all must be in alignment.

Misalignment of the cross member in relation to the tilt cylinder will cause premature failure of the tilt cylinder which, is not covered under warranty by the cylinder manufacturer or Zacklift.



MH10,000/Z6500

Customount

Customount Plate

The **Customount plate** is installed by recessing the mount into the tail board of your truck.

The shape of the cutout on the tailboard should mirror the shape of the **Customount plate**. The plate should be recessed as deeply as possible. This allows the tilt cylinder cross member to be located as near to over the rear axle as possible.

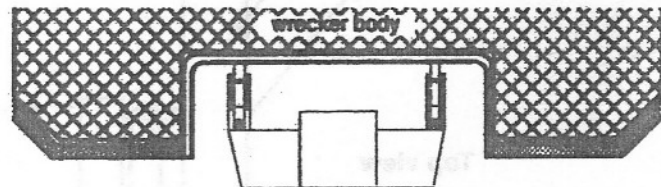
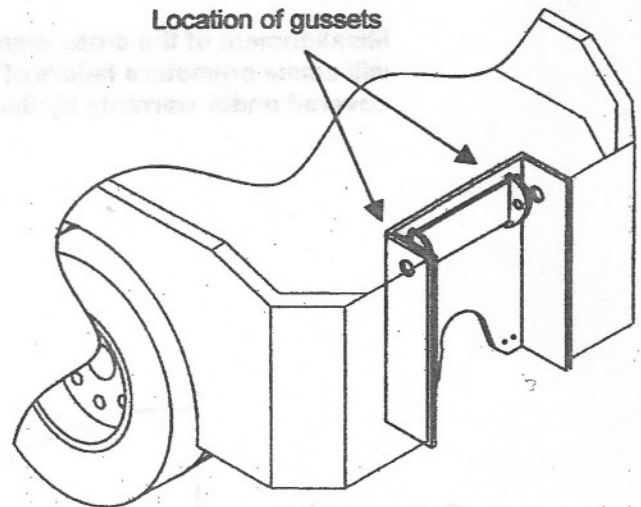
If an obstruction exists, such as control rods or the rear cross member the obstruction can be relocated for clearance. Or the **Customount plate** can be mounted up to the obstruction. Be sure to allow for tilt cylinder clearance.

Trim the ends of the wrecker subframe and truck frame as necessary to allow for recess depth of the **Customount**.

If the **Customount plate** extends above the wrecker deck or subframe it is advised to attach gussets from the back of the pivot pin ears to the wrecker deck or subframe.

Weld the **Customount plate** securely to the wrecker tailboard, deck, subframe, and truck frame.

It may be necessary to trim the **Customount plate** for final fit and finish.



**Customount Plate
with Z7000/Z6500**

