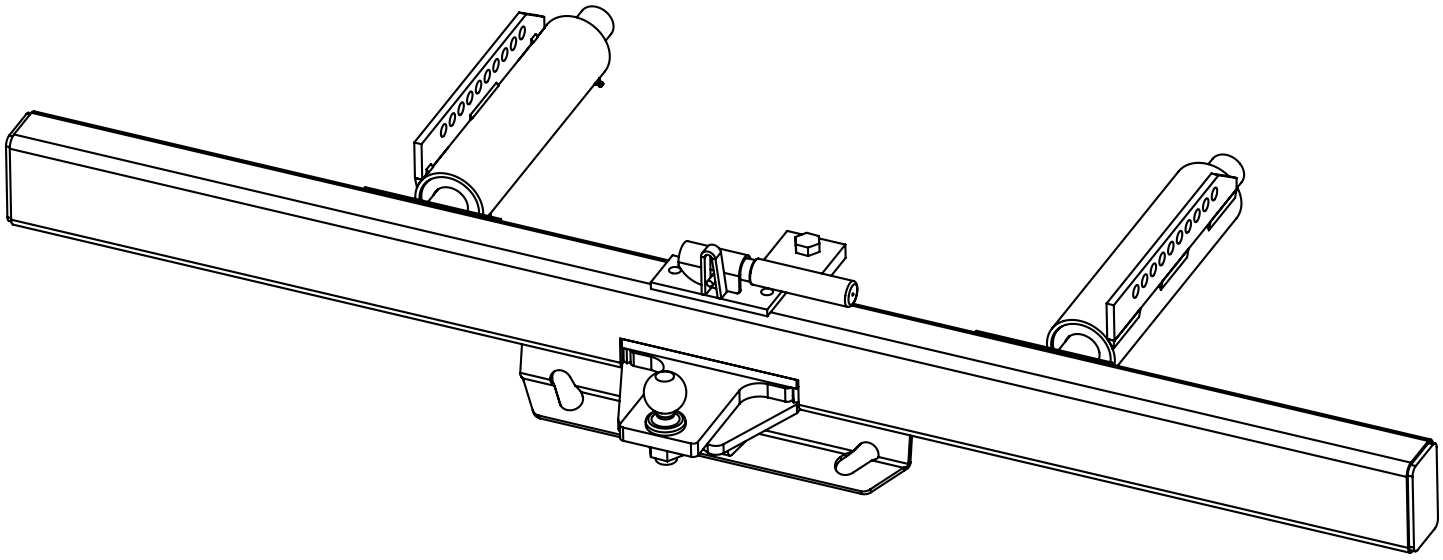
ZimHitch

Cushion Hitch Installation Instructions



Hitch ball not included

ZimHitch
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Cantril IA, 52542
Phone: (319) 238-7380
Email : quotes@zimmermantrailers.com

7-2-24

INTRODUCTION

DUE TO THE VARIATION OF VEHICLE CHASSIS DESIGN, THIS MANUAL DOES NOT COVER HOW TO ADAPT THE HITCH TO THE USERS VEHICLE. IT IS THE RESPONSIBILITY OF THE USER OR INSTALLER TO MAKE ALL NECESSARY PARTS TO ADAPT THE HITCH TO THE VEHICLE.

NOTICE: READ THIS ENTIRE MANUAL BEFORE ATTEMPTING TO INSTALL ANY COMPONENT CONTAINED IN THE HITCH KIT.

NOTE: Installation of this products on users truck or other equipment may void or affect the truck or equipment warranty – contact the manufacturer to ensure continued warranty coverage or conditions or exceptions to warranty that may be affected.

STANDARD WARRANTY AND WARRANTY EXCLUSIONS

Zimmerman Truck Bodies makes no express warranty for this product except those specifically set forth herein. Zimmerman Truck Bodies warrants its products to be free from defect in design, material and workmanship for a period of 12 months from original date of purchase, and to be suitable for and to perform in accordance with the use(s) and specifications stated in product materials. This warranty supersedes all other warranties. Except for warranties herein stated, there are no other warranties.
EXCLUSION OF IMPLIED WARRANTIES: ZIMMERMAN TRUCK BODIES MAKES NO WARRANTY OF MERCHANTABILITY OF THE GOODS SOLD UNDER THIS AGREEMENT. ZIMMERMAN TRUCK BODIES MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OF THE GOODS SOLD.
This warranty applies only to parts manufactured by Zimmerman Truck Bodies. Components not manufactured by Zimmerman Truck Bodies shall be covered under the original manufacturer's warranty. Zimmerman Truck Bodies will assist administering all such warranties. If a defect in a product is discovered and is covered by this warranty, Zimmerman Truck Bodies will have the option to repair, refurbish or replace any warrantied item(s), such option to be exercised in Zimmerman Truck Bodies sole discretion. This warranty inures to the benefit of the original purchaser only, is non-transferable, and has no cash value.

EXCLUSIONS

This warranty covers only defects in design, manufacturing and/or materials discovered while using the product as recommended by the manufacturer. The warranty does not cover: (1) loss or theft; (2) product failure or damage caused by user abuse or neglect, improper use, improper installation, improper maintenance, improper storage, or improper or unauthorized modification(s); (3) parts that are subject to normal wear and tear; (4) paint, finishes or paint preparation performed by anyone other than Zimmerman Truck Bodies; (5) deterioration of paint and/or appearance caused by normal wear and tear and/or exposure to natural elements; (6) modifications not authorized by Zimmerman Truck Bodies; and/or (7) loss brought about by natural disaster or acts of God. This warranty becomes VOID and of no force or effect upon modifications to product component performed by anyone other than Zimmerman Truck Bodies if such modifications are not authorized by Zimmerman Truck Bodies.

LIMITS OF LIABILITY

Should the product fail, the sole recourse is repair or replacement, as described in the preceding paragraphs. Zimmerman Truck Bodies is not liable to any party for direct, indirect or consequential damage(s) resulting from failure of the product. Under no circumstances will Zimmerman Truck Bodies be responsible for lost profit, lost savings, damage to other equipment, rental or replacement costs, or other incidental or consequential damages arising from use or inability to use the product. Damages, if any, recoverable against Zimmerman Truck Bodies shall under no circumstances exceed the current list price of the product excluding tax, shipping and handling charges

By using the product, user accepts all terms stated herein. Zimmerman Truck Bodies reserves the right to make improvements to any model or product without notice.

SAFETY FIRST

IT IS THE USERS AND INSTALLERS DUTY AND RESPONSIBILITY TO COMPLETELY READ THROUGH AND UNDERSTAND THIS MANUAL AND ALL OTHER MATERIALS PROVIDED WITH ZIMMERMAN PRODUCT(S) (INCLUDING MATERIALS PROVIDED BY THIRD PARTY MANUFACTURERS) BEFORE ATTEMPTING ANY INSTALLATION OR OPERATION OF ZIMMERMAN OR THIRD PARTY PRODUCT(S) SUPPLIED BY ZIMMERMAN. IF AT ANY TIME THE USE OR INSTALLER HAVE QUESTIONS ABOUT THE INSTALLATION OR OPERATION OF ZIMMERMAN PRODUCT(S) OR ABOUT THE CONTENTS OF THIS MANUAL, CONTACT ZIMMERMAN BEFORE PROCEEDING WITH THE CONTEMPLATED INSTALLATION OR OPERATION. ZIMMERMAN IS NOT RESPONSIBLE FOR PROPERTY DAMAGE OR PERSONAL INJURY OR DEATH THAT MAY OCCUR FOR FAILURE TO COMPLY WITH THESE REQUIREMENTS.

This symbol is used to call attention to instructions concerning personal safety. Be sure to observe and follow these instructions. Take time to read thoroughly and to be careful!

A brief description of signal words that are used in this manual follows:

DANGER Indicates an imminently hazardous situation which, if not avoided, WILL result in property damage, death or serious injury.

WARNING Indicates a potentially hazardous situation which, if not avoided, COULD result in property damage, death or serious injury and includes hazards that are exposed when guards are removed.

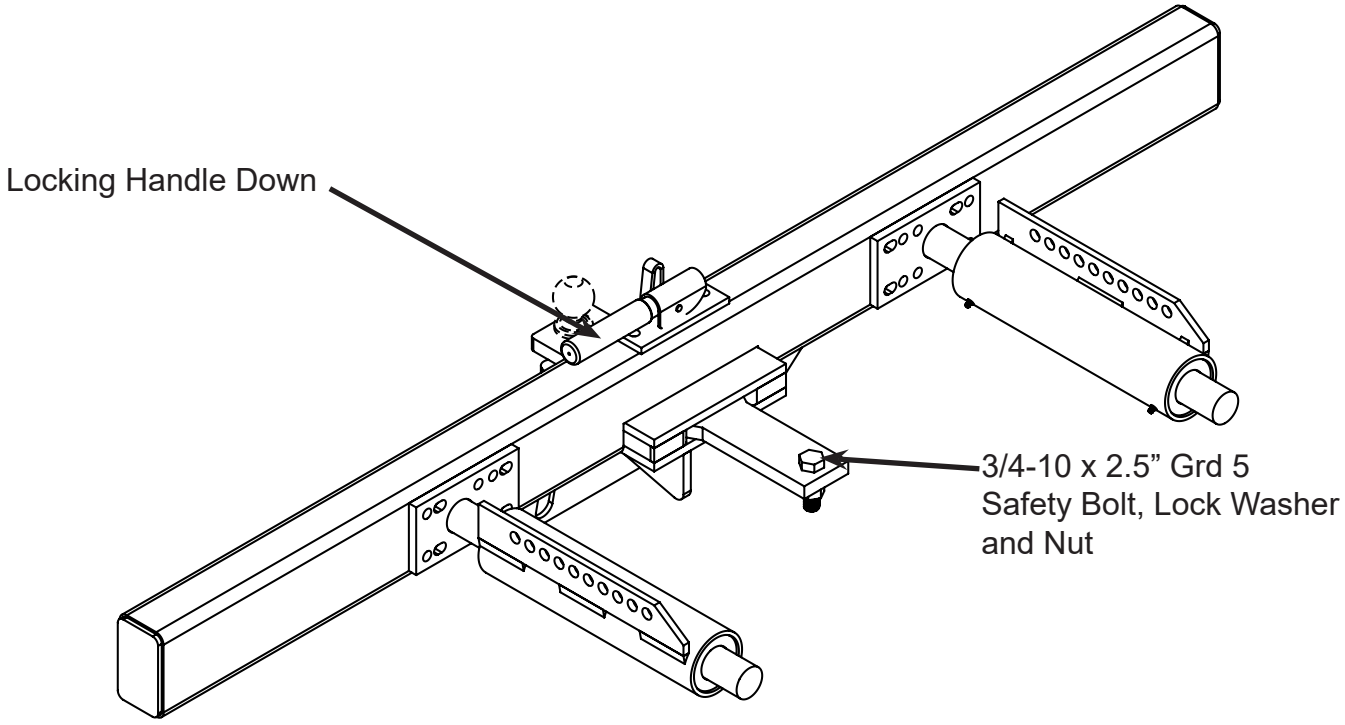
CAUTION Indicates a potentially hazardous situation which, if not avoided, MAY result in property damage or minor or moderate person injury including death. It is also used to alert against unsafe practices.

SPECIFICATIONS

Rating: SAE J684 Class 4 Standards for trailers with a GVWR not to exceed 10,000 lb.
Receiver: 1 inch hole for ball or 2-1/2 inch receiver
Side Swing: 6 inches left or right
Hitch Plate Extends: 5-1/2 inches for trailer hookup

HITCH SAFETY

WARNING Before towing, always make sure locking handle is in the DOWN position and safety bolt is present and tight. Failure to have the handle in the down position and safety bolt installed could cause loss of control of the towing vehicle or trailer.



HITCH INSTALLATION

Spring assemblies can be positioned as show to allow for variation in mounting. Adapter plates on spring assemblies have slots and holes to allow for width variations.

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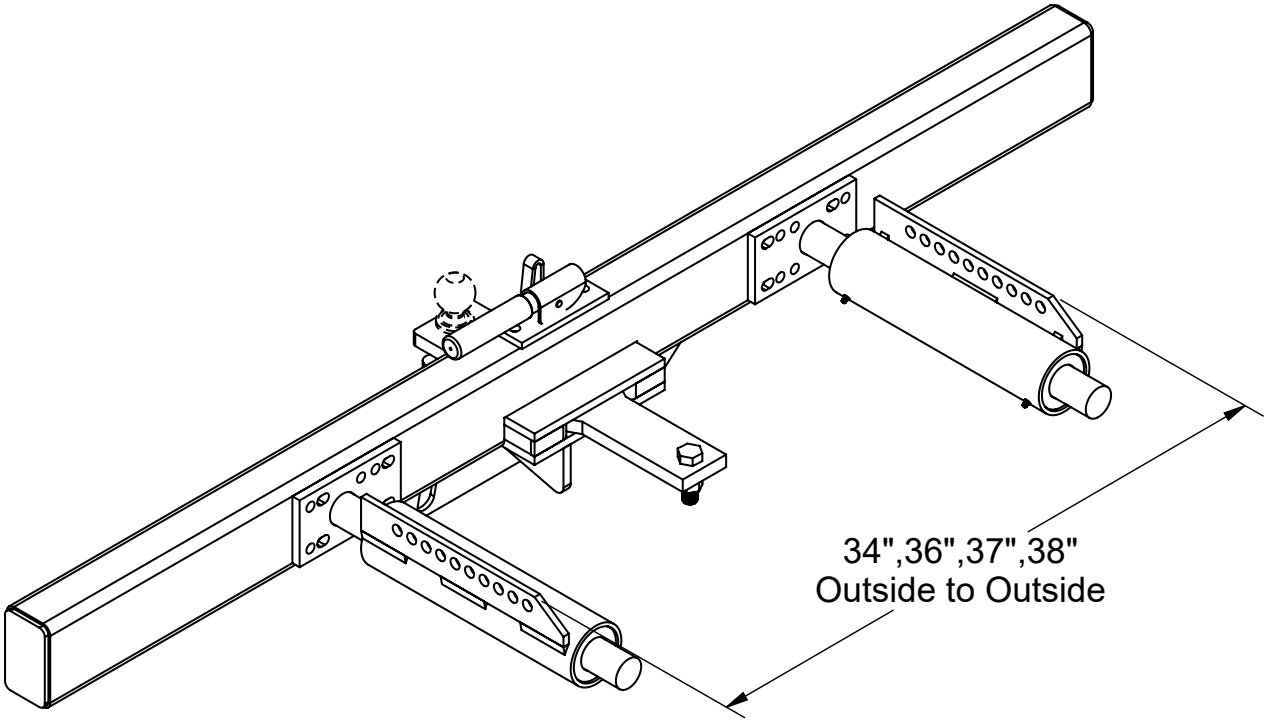
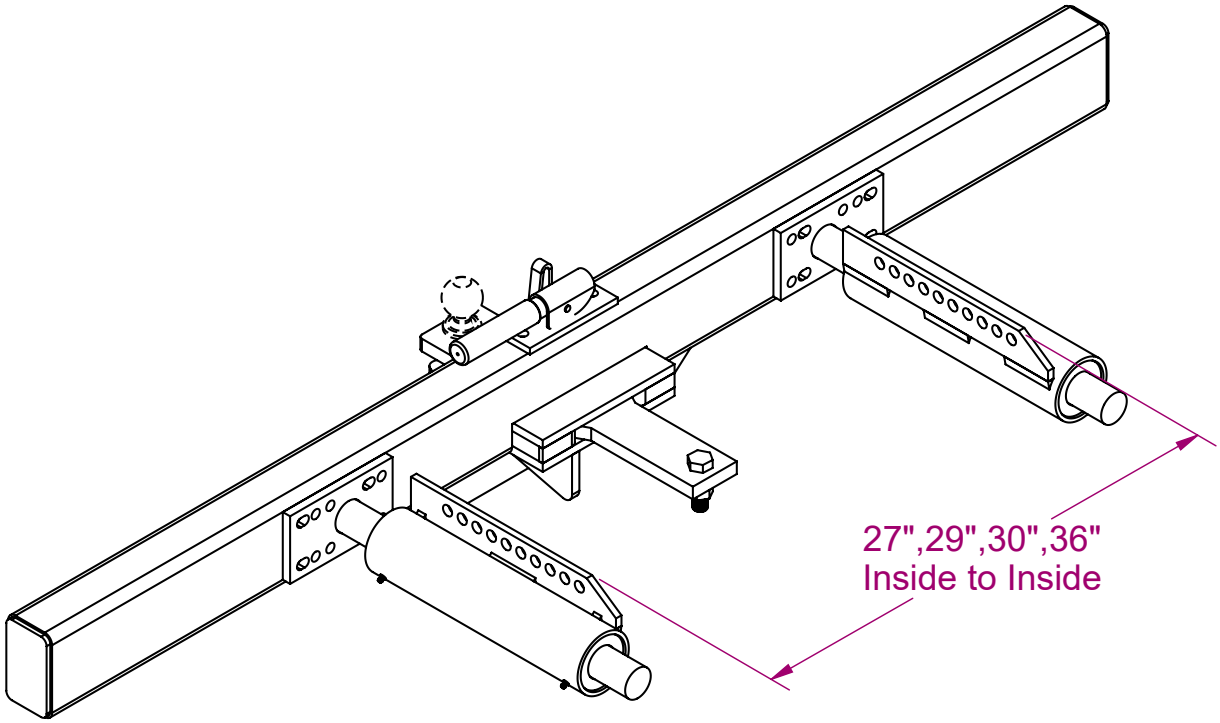
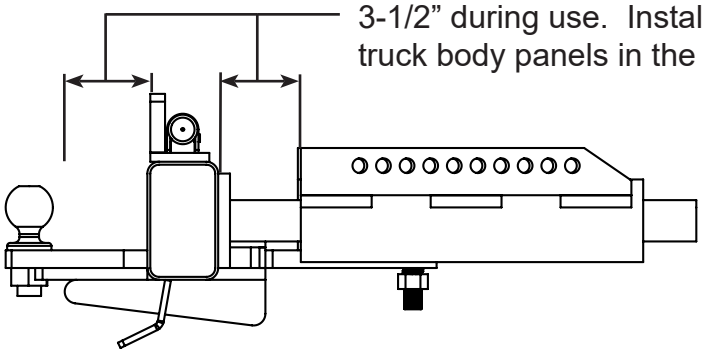


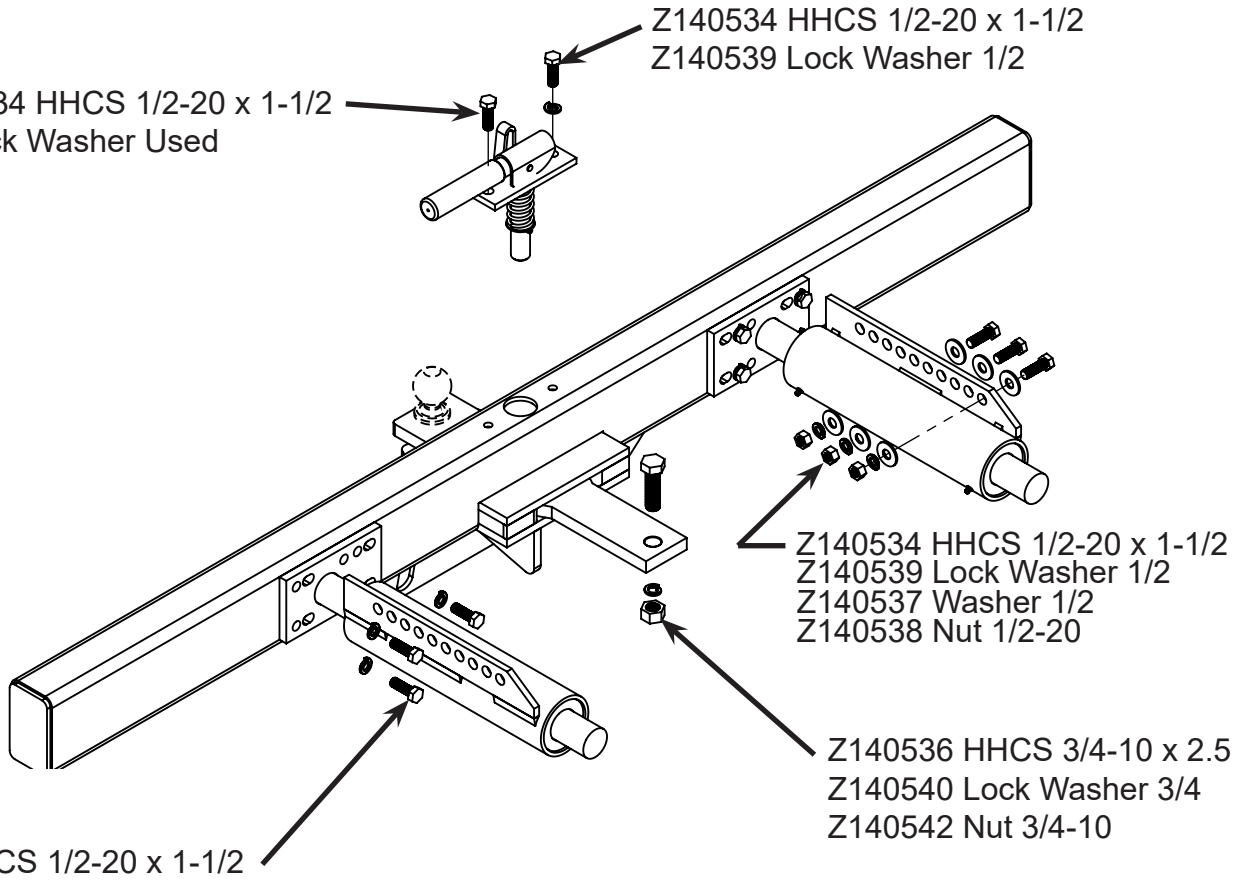


The hitch will compress or extend about 3-1/2” during use. Install hitch to miss truck body panels in the area.



HITCH ASSEMBLY

A bolt pack is included with the hitch assembly. Use the supplied bolts, washers, lock washers and nuts as shown in the illustration. User supplied brackets not shown.

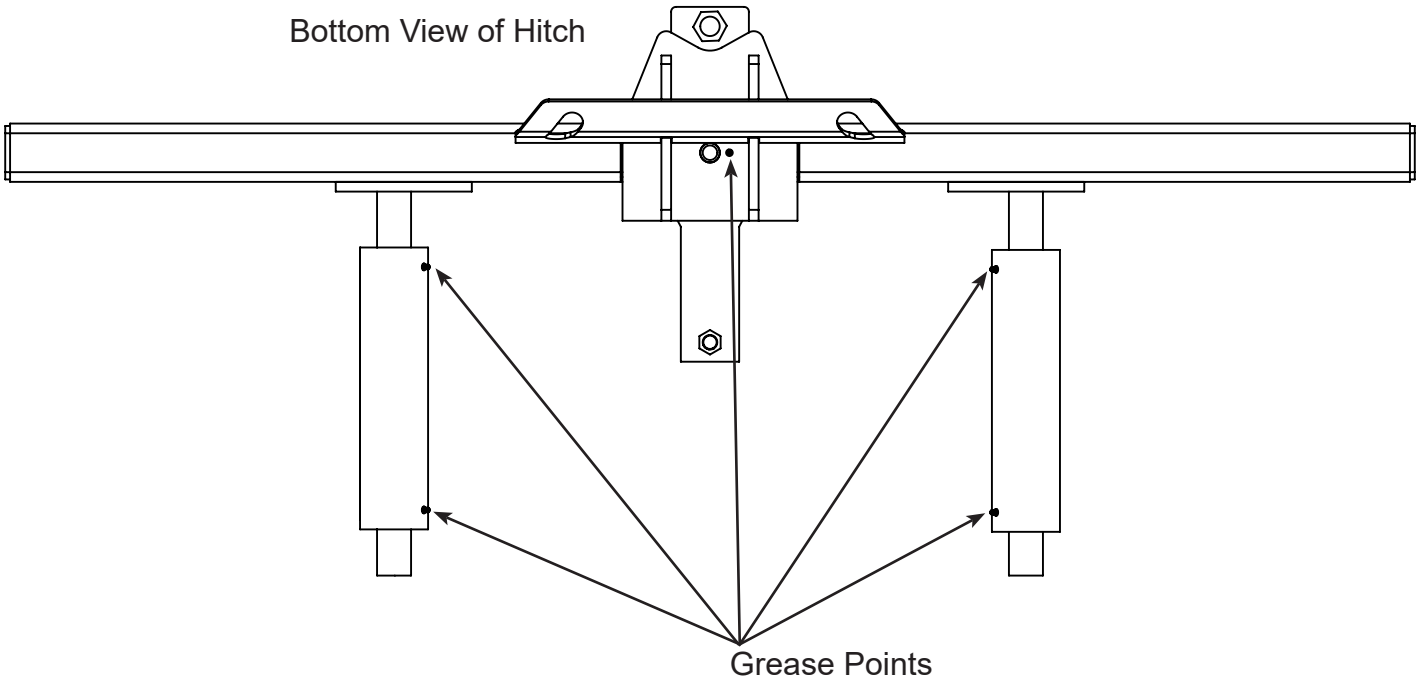


WARNING Four bolts must be used at this location and on opposite side or connection failure could occur.

MAINTENANCE

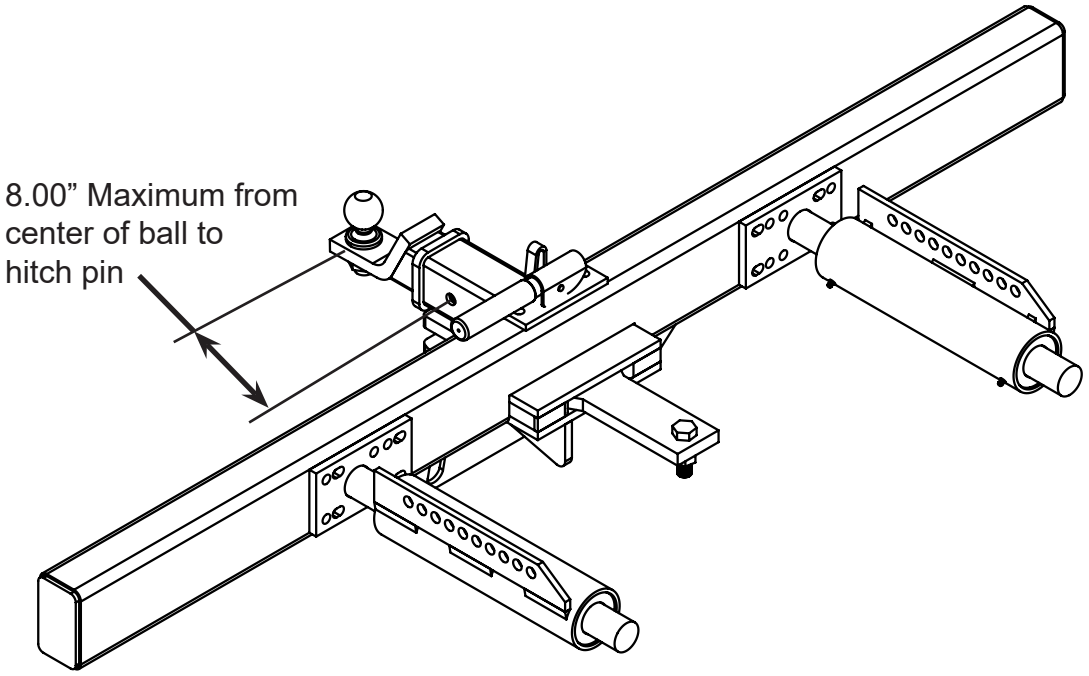
Hitch maintenance must be conducted:

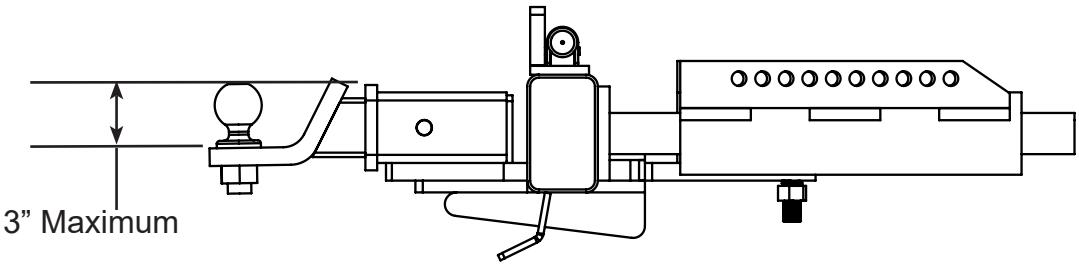
- Look for loose or missing bolts.
- Hitch plate locks in the towing position when lock handle is in the horizontal position.
- Hitch ball nut is tight.
- Grease hitch per illustration below. (Frequency varies with use.)



HITCH RECEIVER LIMIT

Zimhitch is available in a receiver tube version. The illustrations below show the hitch ball limits if a receiver tube is used.

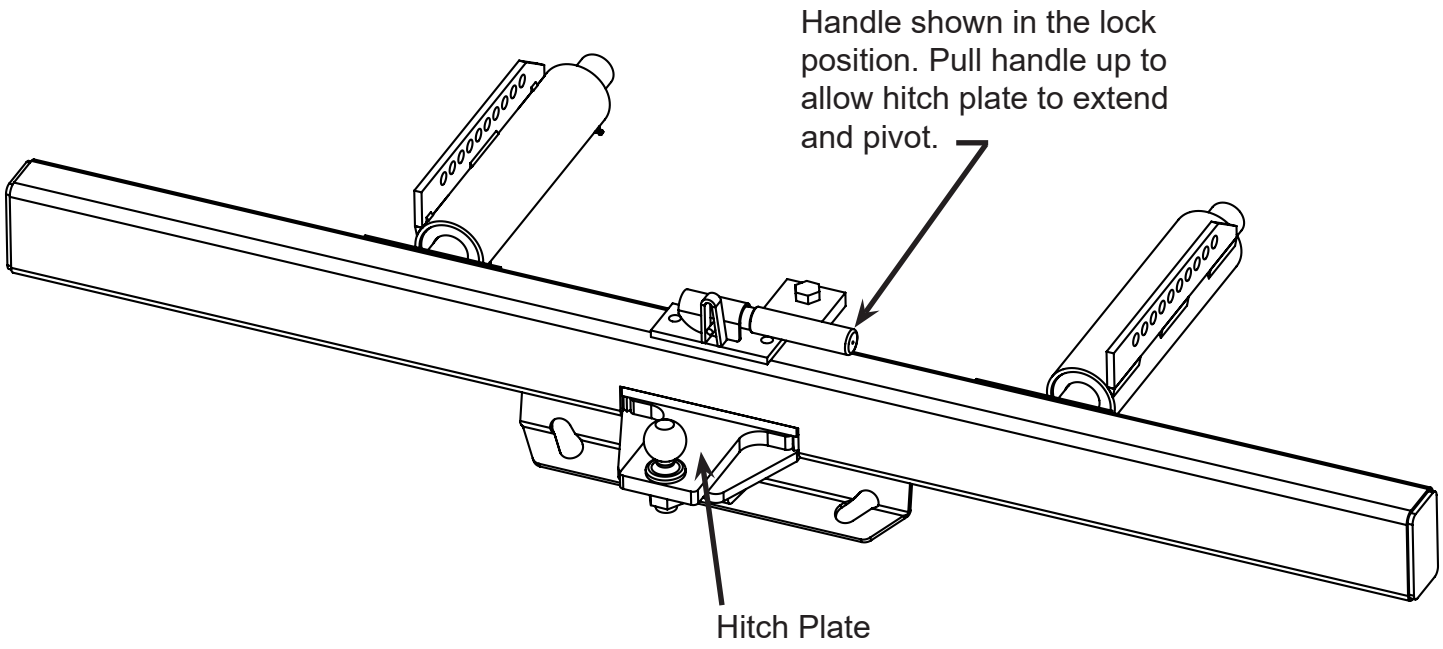




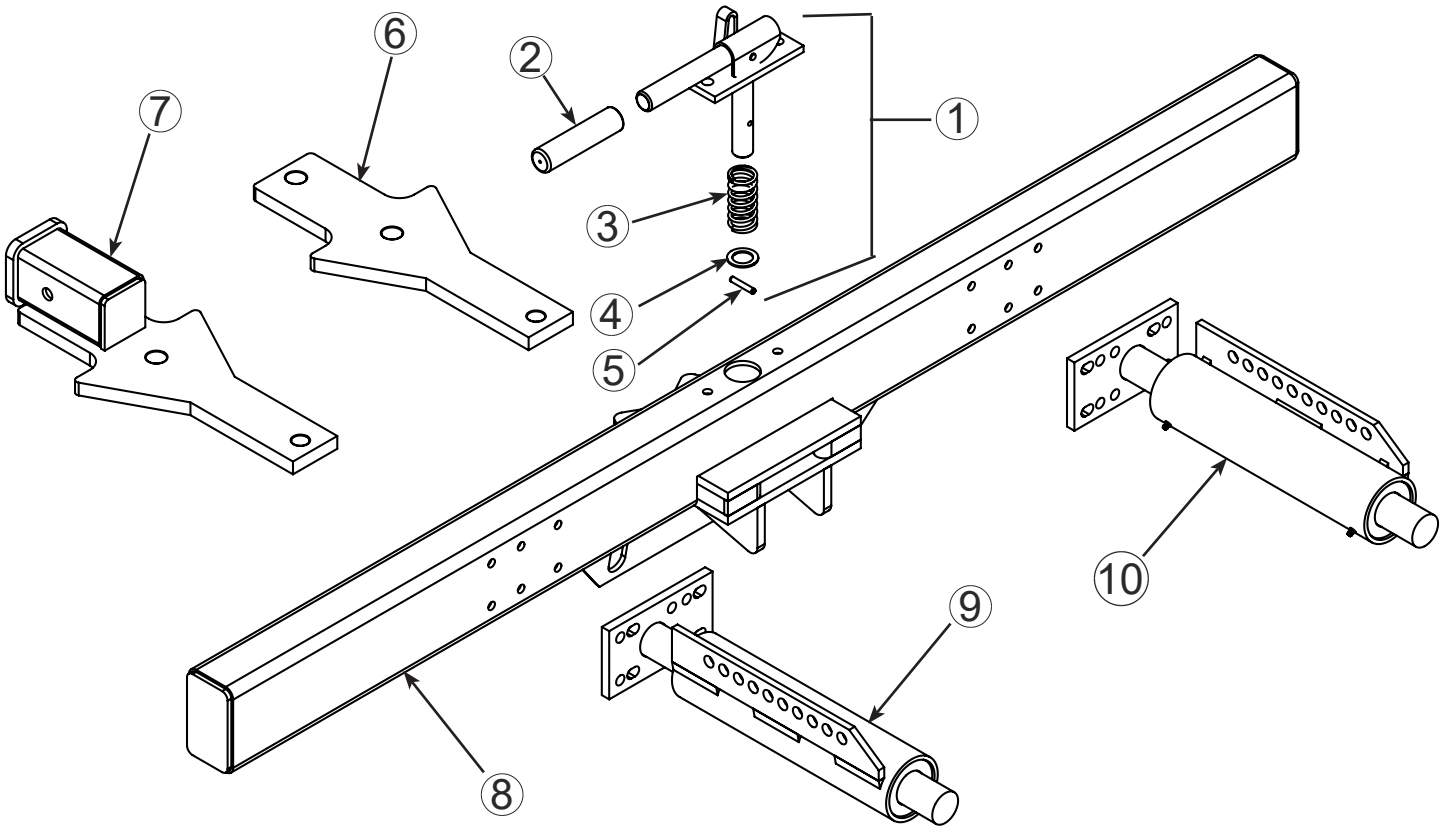
HOOK UP PROCEDURE

1. Maneuver truck so hitch ball is close to trailer coupling.
2. Pull up on handle to disengage locking pin. This allows hitch plate to be pulled out and swivel until ball is under trailer coupler. (The hitch plate can telescope 5-1/2” out and 6” either side on hitch center line.)
3. Using trailer jack lower trailer coupler onto hitch ball and secure trailer coupler to ball.
4. Move the handle from its full up position. This allows spring loaded locking pin to engage hitch plate when truck is backed up.
5. Slowly back up to trailer so hitch plate self centers and the lock pin drops in hole in hitch plate.

⚠CAUTION Make sure handle is as shown and in the **full horizontal position** before pulling the trailer. Hitch plate is not locked in the travel position until the handle is in the horizontal position and the lock pin is engaged with the hitch plate.



PARTS



Item	Part Number	Description
1	ZA140508	Assy-Lock Handle
2	Z140512	Grip-Vinyl
3	ZA140513	Assy-Guide Mount
4	Z140502	Spring-Compression
5	Z140504	Bushing-Machinery
6	Z140567	Plate- Hitch Ball
7	ZA140566	Assy- Hitch Receiver
8	ZA140530	Assy- Bumper
9	ZA140517L	Assy-Spring Support LH
10	ZA140517R	Assy-Spring Support RH