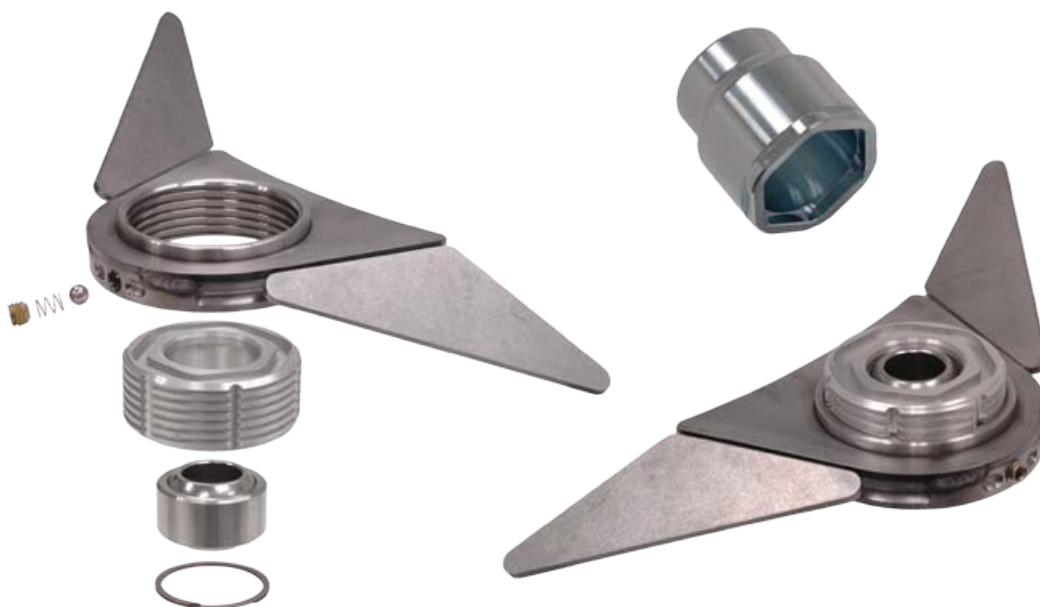


**READ ALL INSTRUCTIONS COMPLETELY AND THOROUGHLY UNDERSTAND THEM BEFORE DOING ANYTHING. CALL CHASSISWORKS TECH SUPPORT (916) 388-0288 IF YOU NEED ASSISTANCE.**



**VAS 505-103  
Spherical-Bearing Adjustable Chassis Mount  
for 3/4" Stem-Top Strut**

**Installation Guide**



**NOTE:** Use of product with 11/16" stems requires a pair of thrust stands (P/N 1328), sold separately.

# PARTS LIST

Prior to beginning installation use the following parts lists to verify that you have received all components required for installation.

## VAS 505-103

Part Number	Qty.	Description
1182	2	Mounting boss for adjustable strut mount
1277	1	Strut height adjuster tool, 1/2" square drive
1308	2	Billet aluminum adjustable bearing housing, Acme thread
2730	2	Strut chassis-mount plate, 1.64" bore x 1/8" thick, 4130
2731	4	Strut chassis-mount gusset, 1/8" thick, 4130
3106-31CK0.25SP	2	Set screw 5/16-18 x 1/4" cup point, nylon patch, stainless
3175-12-W-14-T	2	Spherical bearing 1-3/8" OD x 3/4" bore
3183-RR-1.442	2	Spirolox retaining ring 1.442" OD x .043" thick
899-017-2431-22	2	Detent spring .240" OD x .313" long
899-018-250	2	Stainless steel ball .250" diameter

## INSTRUCTIONS

Refer to your chassis drawing for details on the exact placement of the upper strut mount.

When this mount is being installed with a strut using the 11/16" diameter piston rod, two of part number 1328 thrust stands must be purchased separately.

1. Insert the stepped-down shoulder of the mounting boss into the strut top mount plate until seated and hold together using a clamp. Clamp tightly, tack weld in four places, and then TIG weld completely around the bearing housing. Let the welded assembly cool before proceeding.
2. Press the spherical bearing into the billet aluminum housing until firmly seated and then install the retaining ring.
3. Thread the billet bearing housing into the upper mount assembly until it is flush with the bottom of the mounting boss.
4. Following the drawing supplied with your chassis kit, position the mounting plate on the chassis 1/2" higher than specified to compensate for the bearing-assembly offset.
  - The bearing should be centered, not misaligned, with the strut at ride height.
  - The plate must be ground to properly fit the chassis' forward strut tube.



5. Temporarily install the strut to verify that the position of the upper mount is correct.
  - **3/4" shaft struts use the thrust stand supplied with the strut.**
    - The thrust stand fits over the strut's piston shaft, above the upper spring seat, and seats against the spherical bearing.
    - The safety nut threads onto the strut stem with the nose pressing against the top of the spherical bearing.
  - **11/16" shaft struts use thrust stand part number 1328, these are available separately.**
    - The thrust stand fits over the strut's piston shaft, above the upper spring seat, and is inserted into the spherical bearing.
    - The safety nut threads onto the strut stem with the shaft fitting into the spherical bearing.
6. Place one gusset plate along each edge of the plate. Their directions should be staggered so that one is pointing up and the opposite down. The chassis' forward strut-tube design will determine which way the gussets are staggered.
7. Once the gussets are correctly positioned, tack weld them in place and remove the strut.
8. Remove the billet bearing housing from the welded assembly before final welding it to the chassis. If you do not remove the billet bearing housing it will be damaged from the heat when welding.
9. Once the mount is completely cooled, you can install the stainless steel ball, detent spring and set screw in each of the threaded holes in the mount assembly.
10. Complete the strut installation using the instructions included with the strut.

## Adjustment

- Be sure there is nothing in the threads of the upper strut adjustable mount on the chassis. The threads must be perfectly clean before proceeding.
- Put a small amount of Anti-seize™ in the internal threads of the upper-adjustable strut chassis mount. Carefully thread the adjustable bearing housing into the chassis mount.
- Included is a special socket to adjust the upper strut bearing housing. Set the socket in the groove on the bearing housing and use a 1/2 inch drive ratchet to adjust the final ride height when you have completed the installation on the clip. Do not adjust the bearing housing with the weight of the vehicle on the strut. Jack the car up and remove the front end weight when doing this. After your ride height is set, tighten the set screws to lock the billet bearing housings. The maximum adjustment range is 5/8".

**WARRANTY NOTICE:**

There are NO WARRANTIES, either expressed or implied. Neither the seller nor manufacturer will be liable for any loss, damage or injury, direct or indirect, arising from the use or inability to determine the appropriate use of any products. Before any attempt at installation, all drawings and/or instruction sheets should be completely reviewed to determine the suitability of the product for its intended use. In this connection, the user assumes all responsibility and risk. We reserve the right to change specification without notice. Further, Chris Alston's Chassisworks, Inc., makes **NO GUARANTEE** in reference to any specific class legality of any component. **ALL PRODUCTS ARE INTENDED FOR RACING AND OFF-ROAD USE AND MAY NOT BE LEGALLY USED ON THE HIGHWAY.** The products offered for sale are true race-car components and, in all cases, require some fabrication skill. **NO PRODUCT OR SERVICE IS DESIGNED OR INTENDED TO PREVENT INJURY OR DEATH.**

Chris Alston's Chassisworks  
8661 Younger Creek Drive  
Sacramento, CA 95828  
Phone: 916-388-0288  
Technical Support: [tech@cachassisworks.com](mailto:tech@cachassisworks.com)

