

Upper Control Arms Installation Instructions

3C271005 & 3C293055

Please carefully read the following precautions before installation.

You should definitely double check that the ball joints are compatible, as they are different and will cause part fitment issues!

For the **2007-2013** Chevy Silverado or GMC Sierra, the stock upper control arms are **One Piece Cast Steel**. For these models, there is **no need to use Tapered Sleeve** during installation. If used incorrectly,, it is easy to break the ball pin, which may cause a car accident while driving.

For the **2014-2018** Chevy Silverado or GMC Sierra, there are three different types of stock upper control arms. The newly equipped **Two Pieces Stamped Steel** upper control arms and **Aluminum** upper control arms use different ball joints. The size of this ball joint is larger than that of the one piece cast steel upper control arm. **Tapered sleeves are required for installation**. If the tapered sleeves are not used, the ball joint almost contacts the steering knuckle, which can quickly damage and affect the service life of the bushing.

The following are photos of three types of upper control arms, which can visually show the differences

Types of OE Upper Control Arms from GM



**Two Piece Stamped
Upper Control Arm**



**Aluminum
Upper Control Arm**



**One Piece Cast
Upper Control Arm**

Attention The common after-market control arm is also cast steel. Some customers may not be aware that their car is equipped with a after-market control arm. It can be determined whether it is the stock control arm by comparing the steel mark and barcode labels on the control arm.

INSTALLATION

1. Use a floor jack to raise the front of the vehicle, and place jack stands under the frame. Finish removing the lug nuts and wheel.

2. Disconnect ABS from Upper Control Arms.

3. Mark the control arm position. Before loosening any of nuts, you need to mark off the control arm's position.

4. Loosen the upper ball joint nuts, strike the knuckle as shown to dislodge the ball joint. Separate the upper control arm from the knuc



kle, but don't let the knuckle pull out so far that the shaft pulls out of the differential.



5. Loosen the control arm nuts on both sides. Remove the upper control arms from the vehicle, retain the hardware.



6. Install new control arms. Adjust the control arm alignment to the marked area. Reinstall the control arms hardware on both sides.

7. **NOTE :** If the stock control arm is **one piece cast steel**, installed **without** the tapered

sleeve.

If the stock control arm is **Two Pieces Stamped Steel or Aluminum**, it is **necessary** to install the **Tapered Sleeve** into the steering knuckle before installing the ball joint.



Mount the control arm ball joint to the knuckle. Tighten using a wrench to 50 ft/lbs.

8. Install the brake line bracket on the new control arm. Reinstall ABS and front wheels.

9. Repeat steps 2 - 8 on the opposite side of the vehicle.

10. Alignment recommended after installation !

IMPORTANT NOTE:

1: Contact us for video if you can't assemble these parts. (an easy work)

2: Important Tips on zerk : Do not overtighten the zerk, or it may break.

Zerk can fill in grease after some use. It is pre-greased when you get it).

3: When adding grease to the ball joint, be sure to pay attention to the condition of the dust cover.

Over-greasing can cause the dust cover to burst.

4: If you hear the bushing squeak, you need to add grease. When adding grease to the bushing, be aware

that excessive pressure can cause irreversible deformation of the polyurethane bushing.

Tips: It is recommended to use a **Silicone Based Lubricant**.

If you can't find Silicone Based Lubricant, **Marine Grease** and **Heavy Duty Grease** also can be used.

Not So Suitable Lubricants: Motor Oil, Spray Lubricant

5: Warranty of the ball joints and bushings:

We support one chance to exchange parts for free within 1 year if the control arms go wrong.

If you have any questions, feel free to contact us.

It is our honor to help you. So please write us about what you think and what you need. We will reply you ASAP and try our overwhelming best to help you solve the problem. Please feel free to contact us via eBay message or Amazon tools.