

# Front Upper Arms Kit Installation Instructions SPL FUA Z33

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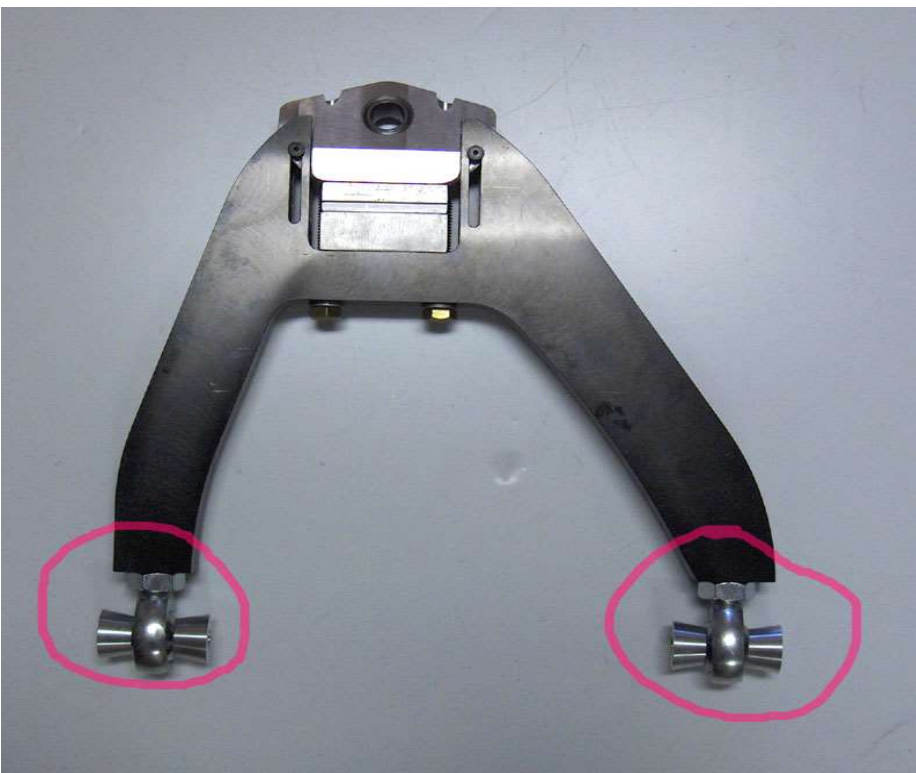
For Nissan & Infiniti:  
2003-2008 350Z (Z33)  
2003-2006 G35 Sedan(V35)  
2003-2007 G35 Coupe (V35)



1. Remove stock front upper arms.
2. Locate the two casting "bumps" on the back of the upright (shown circled in picture). Grind off the bumps until smooth. This is important in order for the arms to have maximum suspension travel.

**DO NOT OVERTORQUE** any of the bolts given throughout the instructions. \*SPL Parts is not liable for any issues due to overtorque.\*

## Caster Adjustment



Caster adjustment must be pre-set before installing the arms to the car. It is not adjustable on the car, so the arm has to be disconnected to set caster.

3. Locate the two inner rod ends, as circled. When both are fully threaded in, this should give stock caster. Stock caster is 8deg.
    - To *increase* caster, thread out the rod end on the side of the arm closer to the front of the car.
    - To *decrease* caster, thread out the rod end on the side closer to the rear of the car.
- Note:** Every 0.3" gives 1deg of caster.

4. Before bolting up arms, tighten jam nuts (15/16" hex) on the inside rod ends (approx **25 ft-lbs**).
5. Make sure rod ends are square with the arms.
6. Bolt up front upper arms. Tighten inside bolts to **44ft-lbs**. Tighten nut (15/16" hex) connecting arm to spindle to **40 ft-lbs**.



### Camber Adjustment



7. In the kit, a number of shim blocks are provided:

- Thick (~0.8"): 2 deg camber
- Medium (~0.4"): 1 deg camber
- Thin (~0.2"): 0.5 deg camber

Starting with 2.5 deg of shim blocks will set the arm to the equivalent camber of stock arm.

Maximum camber adjustment is +1 deg to -2.5 deg from the stock arm.

Insert shim blocks as necessary to reach the desired camber setting.

8. Tighten bolts (9/16" hex) holding the back of the ball joint block to approx **20 ft-lbs**.
9. Snug up small allen bolt (3/32" allen) and nut (3/8" hex). This bolt provides double shear support for the ball joint block when a lot of shim blocks are used.
10. Be safe and enjoy your new upgrade!

## **ONE-YEAR LIMITED WARRANTY AND DISCLAIMER**

*All SPL brand products are intended for **Off Road Use Only** and carry a one year limited warranty. See below for details. All other branded products carry their respective manufacturer warranty. SPL PRO suspension products warranted to be free of defects in material and workmanship for one (1) year from the date of purchase. If a product fails to meet specifications, SPL PARTS INC will, at its election, repair, replace, or make appropriate adjustment, if SPL PARTS INC determines to its satisfaction that the product is defective in material or workmanship, i.e. contains a defect arising out of the manufacture of the product and not a defect caused by other circumstances, including, but not limited to accident, misuse, abuse, unforeseeable use, neglect, alteration, improper installation, improper adjustment, improper repair, or failure caused by other equipment or interaction with other equipment. SPL PARTS INC is not responsible for labor charges, removal charges, installation, or other incidental or consequential costs. In no event shall the liability of SPL PARTS INC exceed the purchase price of the product. All parts for warranty claims must be returned to SPL PARTS INC in order for the claim to be processed. SPL PARTS INC makes no other warranties, either expressed or implied, including limitation warranties as to merchantability or fitness for a particular purpose. SPL PARTS INC shall not be liable for, and buyer assumes all risk of, any advice or failure to provide advice by SPL PARTS INC to buyer regarding the product or use and installation of product. SPL PARTS INC shall not be liable for any special, incidental or consequential damages. If the purchaser of the product shall fail to pay when due any portion of the purchase price, or fail to meet any terms required under contract agreed on at time of purchase, all warranties and remedies granted may be terminated. **Using any SPL arm as a tie/strap down point for a dyno session or transport will void the warranty.***