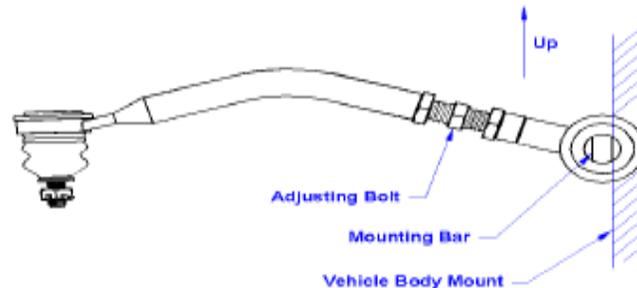
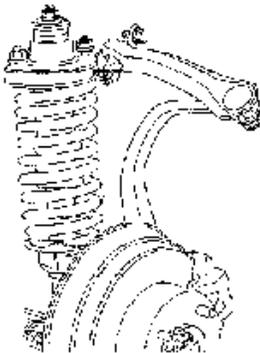


Note: The 38811/38831 is for the left (driver) side of the vehicle and the 38812/38832 is for the right (passenger) side of the vehicle

1. Ensure both jam nuts are threaded all the way against the center hex of the adjustment bolt. Assemble SmartArm™ by advancing both tubular pieces equally until threads of the adjustment bolt are no longer visible. Be sure to match left and right hand threads of all parts.
2. Raise the rear of vehicle and support body on jack stands. Remove rear tire and wheel assembly.
3. Remove the two bolts from the inner end of the upper support arm at the body mounting bracket.
4. Remove the nut from the ball joint at the upper support arm. Using a ball joint separator or similar method, separate the ball joint taper and remove the support arm. Take care to not damage threads of ball joint.
5. Rotate the bushing end of the SmartArm so the mounting bar will sit flush to the body and the adjusting bolt will point slightly upwards as shown in figure.
6. Install the new SmartArm™ onto the body using the two original mounting bolts and torque to 28 ft. lbs. (38 N.M.).
7. Install the ball joint stud into the spindle, torque ball joint nut to 29-35 ft. lbs. (39-47 N.M.).
8. Replace the tire and wheel assembly.
9. Adjust camber by loosening jam nuts and turning the adjusting bolt to the desired specifications. DO NOT exceed more than 3/4" (19mm) of exposed threads on either side of bolt.
10. Place a wrench or vice grips on the flat of the tube next to ball joint. While using the wrench to keep the ball joint body perpendicular to the ball joint stud, tighten the jam nuts on the adjusting bolt.
11. Finish tightening the jam nuts by holding the adjusting bolt and verify that the ball joint is still aligned properly at the spindle. Set rear toe to specifications.

**To minimize possible noises characteristic of polyurethane bushings, always lube before installation. To avoid inherent polyurethane noises use the rubber bushing version.**

***WARNING: INCORRECT BALL JOINT ALIGNMENT WILL RESULT IN DAMAGE OR BREAKAGE OF THE NEW SmartArm™ AND POSSIBLE DAMAGE TO THE VEHICLE***



### Limited Warranty

Subject to Disclaimer. All Ingalls products are warranted against defects in materials and workmanship for ninety (90) days from date of purchase. During the warranty period, Ingalls will repair, or at its option replace at no charge, components that prove to be defective. The product must be returned, shipping prepaid, to Ingalls facility. This limited warranty does not apply if the product is damaged by accident or misuse. The foregoing warranty is in lieu of all other warranties expressed or implied including but not limited to any implied warranty of merchantability, fitness, or adequacy for any particular purpose or use. Ingalls shall not be liable for any special, incidental or consequential damages whether in contract, tort, or otherwise resulting from the use of or the inability to use the product.

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