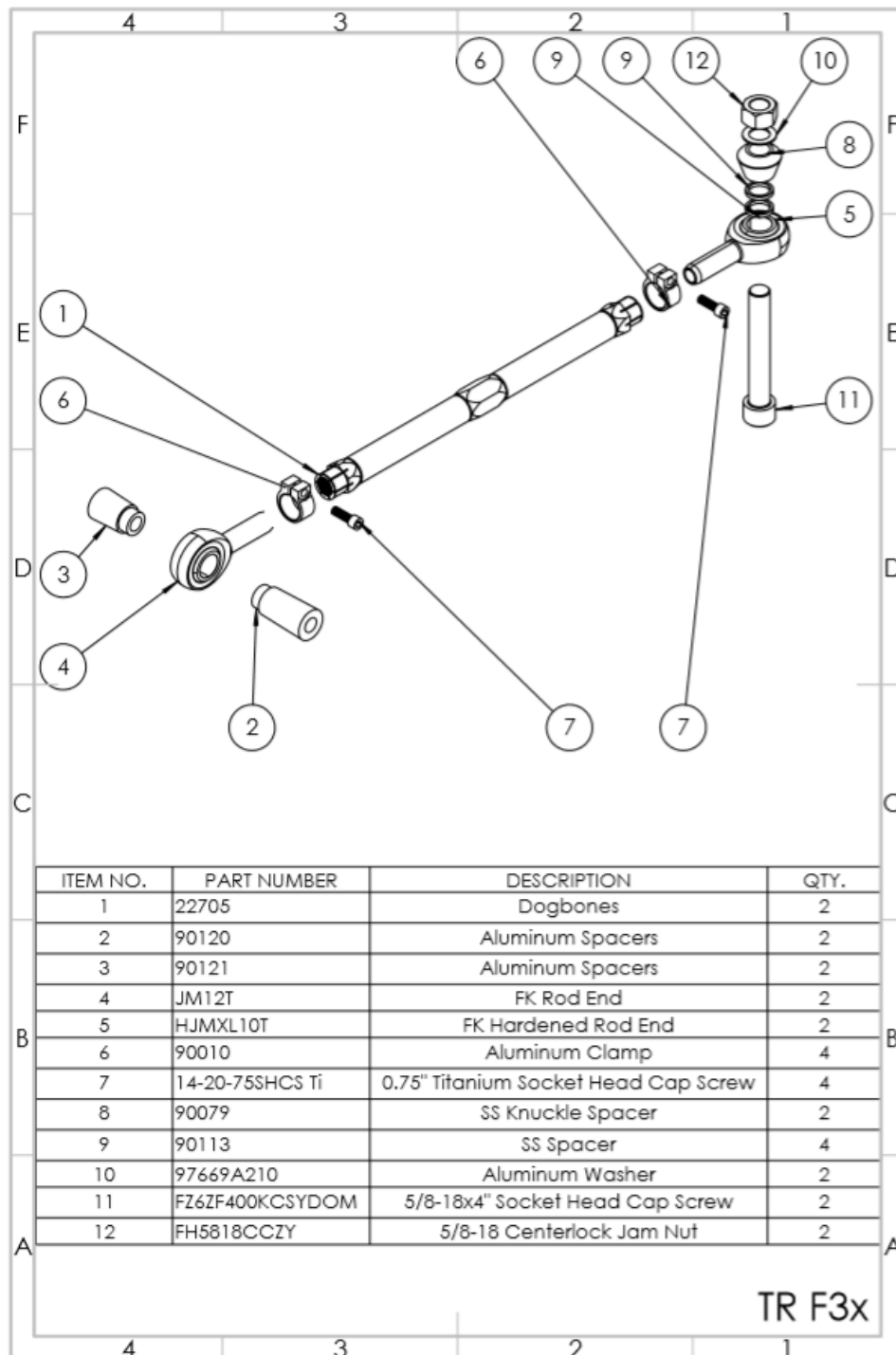


# Tension Rods Kit Installation Instructions SPL TR F3X BMW



## Tools Needed:

Floor jack	Two jack stands	Wheel chocks (Safety First!)
Torque wrench	Socket wrench	Sockets: 17mm, 18mm, 21mm, 8mm
Good lights	Eye protection	Breaker bar for stubborn nuts/bolts

1. Jack the car up and put the jack stands under the car, making sure they are stable. Chock the wheels on the ground to prevent the car from rolling off the jack stands. Using the 17mm socket, remove the wheels.

2. Remove the plastic undertray for access using the 8mm socket. There should be about 17 bolts/screws to remove. Once this is done, you will have access to the underside of the car. At this point, it may be wise to spray penetrating lubricant on the nuts and bolts of the tension rod and let them soak for a while. After the lubricant has had time to loosen up the bolts, remove the stock tension rod.

3. Install the chassis end of the SPL Parts Tension Rod first. This end has the two Conical Spacers (2, 3) that fit into the FK Rod End (4), and this assembly should fit nicely into the space on the chassis that the stock arm was removed from. Make sure the bearing is offset in the same direction as OEM. Use the stock bolt to secure the arm back into place and tighten to **74 ft.-lbs.** plus an additional 90 degree turn. **DO NOT OVERTORQUE!** *SPL Parts is not liable for any issues due to overtorque.*

4. Begin the installation of the knuckle side of the FK Rod End. There are four Spacers provided in your kit:

Spacer #8: rounded and fits directly into the knuckle

Spacer #9: 1/8" SS Spacer

The two smaller Spacers (#8) are to provide roll center adjustment. The #8 spacer fits directly into the knuckle.



5. The shank (11) is a ½ inch Allen head. Tighten the nut at the top to **110 ft-lbs**. (Make sure to lubricate the threads; motor oil is fine.) Once tight, check for binding or any problems by moving the suspension through its full travel and moving the wheel lock to lock while doing so. Ensure that the spherical bearing does not bind (the edge of the ball bearing hitting or close to hitting the housing) under any of the above situations and there is no interference between suspension arms.

6. Once you have ensured that there will be no binding or interference, loosen the two Blue Titanium Socket Head Cap Screws (6), and rotate the Black Turnbuckle (1) in the middle either by hand or a wrench on the portion with the SPL Parts logo to change the length of the part and set your alignment. Once the length has been set, tighten the two Blue Titanium Socket Head Cap Screws to **150 in-lbs**. Once again, do not overtorque.

7. Take your car to a professional alignment shop. Bring these instructions with you to ensure the SPL Parts Tension Rods are adjusted correctly.

8. 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.*

*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.***