

Rear Adjustable Toe Arm-Roto Joint Item # 2524



Box Contents:

- (2) Toe Arms
- (4) Non-Eccentric Anti-Sliding Washers (2 per arm)
- (4) Roto Joints with Grease Fittings(Mounted)
- (4) Jam Nuts (Mounted)
- (1) Installation Instruction Sheet

Applications:

- * 2010-2011 Chevrolet Camaro (All Models)
- * 2008-2009 Pontiac G8 (All Models)

*****PLEASE READ*****

About your Roto-Joint: All Roto-Joint items are shipped fully assembled and ready to be installed. The Roto-Joints arrive with a very light film of grease, although it is not enough to maintain the integrity of the Roto-Joint during use. The end user **MUST** grease the Roto-Joint with 1-2 pumps only of marine type grease before use. Marine type grease is recommended due to its high resistance to water washout, keeping the Roto-Joints functioning like new over a longer period of time. Should the Roto-Joint be difficult to grease after initial installation, UMI Performance recommends driving the vehicle approximately 100 miles to let the Roto-Joint adjust to vehicle conditions and then add 1-2 pumps of grease. The Roto-Joint is a precision tolerance item and the Delrin raceway can be damaged easily if proper care is not taken. UMI Performance does **NOT** recommend disassembling the Roto-Joint at any time, with the exception of the intent to rebuild an older, worn Roto-Joint. The internal components of the Roto-Joint are held in using a set screw which prohibits the adjusting ring to loosen during use. If, over time, the Delrin raceway wears down, the Roto-Joint can easily be re-tightened using the spanner wrench (UMI #0019). Using the spanner wrench, tighten the Roto-Joint by turning the adjusting ring clockwise until the ring is tight.

1. Before installation, verify box contents are correct and read through instructions completely.
2. On a solid, level surface, jack up the rear of the vehicle to a good working height, making sure both wheels are off of the ground, and secure with (2) jack stands under the frame, one on each side. **Do NOT support vehicle by the rear axle.**
NOTE: Remove wheel for easier install, but not necessary to complete install.
NOTE: For driver side; To remove the toe arm cam bolt, you must first loosen and remove (4) 24mm bolts holding the rear suspension carriage to the frame (otherwise, cam bolt will hit gas tank). (See IMAGE #3) Once the driver side is completed, the suspension carriage can be re-installed and tightened to factory specification.
3. Carefully remove the clips holding the ABS sensor cable from the toe arm using pliers.
4. Loosen and remove the cam bolt using a 21mm ratchet. Retain bolt for later use.
5. Place tubing or a deep socket over the head of the bolt on a workbench, and hammer off existing eccentric washer.
6. Use the same tubing to mount anti-sliding non-eccentric washer onto existing bolt. Ensure the washer is seated against the head of the bolt – Refer to images 4 and 5.
7. Next, loosen and remove the 18mm bolt holding the stock toe arm to the spindle. Retain bolt for later use.
8. Locate UMI rear toe arm, verify arm length by placing over factory toe arm, adjust the toe arm to factory length accordingly, and slide the toe arm into position.

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9. Install the 21mm cam bolt to hold the toe arm at one side using an Anti-Sliding washer on both ends of this bolt, then work the 18mm bolt into place at the opposite end. **Do NOT tighten completely at this time.**
10. Zip Tie ABS line onto the UMI toe arm, or securely out of harm's way.
11. Repeat steps #3 - #9 for opposite side.
12. Double-check to be sure the rear suspension carriage is tightened to factory specification.
13. Adjusting toe arms- Toe arms can be adjusted while on the car, loosen each jam nut, place a 1 1/4" wrench on the hex side of the bar and turn for proper length. Once desired length is set tighten each jam nut.
14. Load the suspension and tighten all toe arm bolts to factory specification.

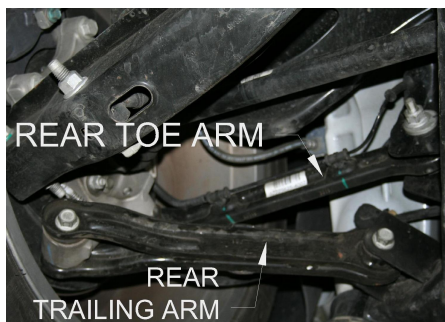


IMAGE #1



IMAGE #2



IMAGE #4



IMAGE #5

DISCLAIMER OF WARRANTY

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Item # 2524

Rear Adjustable Trailing Arm
2010 – 2011 Chevrolet Camaro (All Models)
2008 – 2009 Pontiac G8 (All Models)
UMI Performance Inc.
Made in Pennsylvania, USA

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