

READ ALL INSTRUCTIONS COMPLETELY AND THOROUGHLY UNDERSTAND THEM BEFORE DOING ANYTHING.
CALL TOTAL CONTROL PRODUCTS TECH SUPPORT (916) 388-0288 IF YOU NEED ASSISTANCE.

INSTALLATION GUIDE



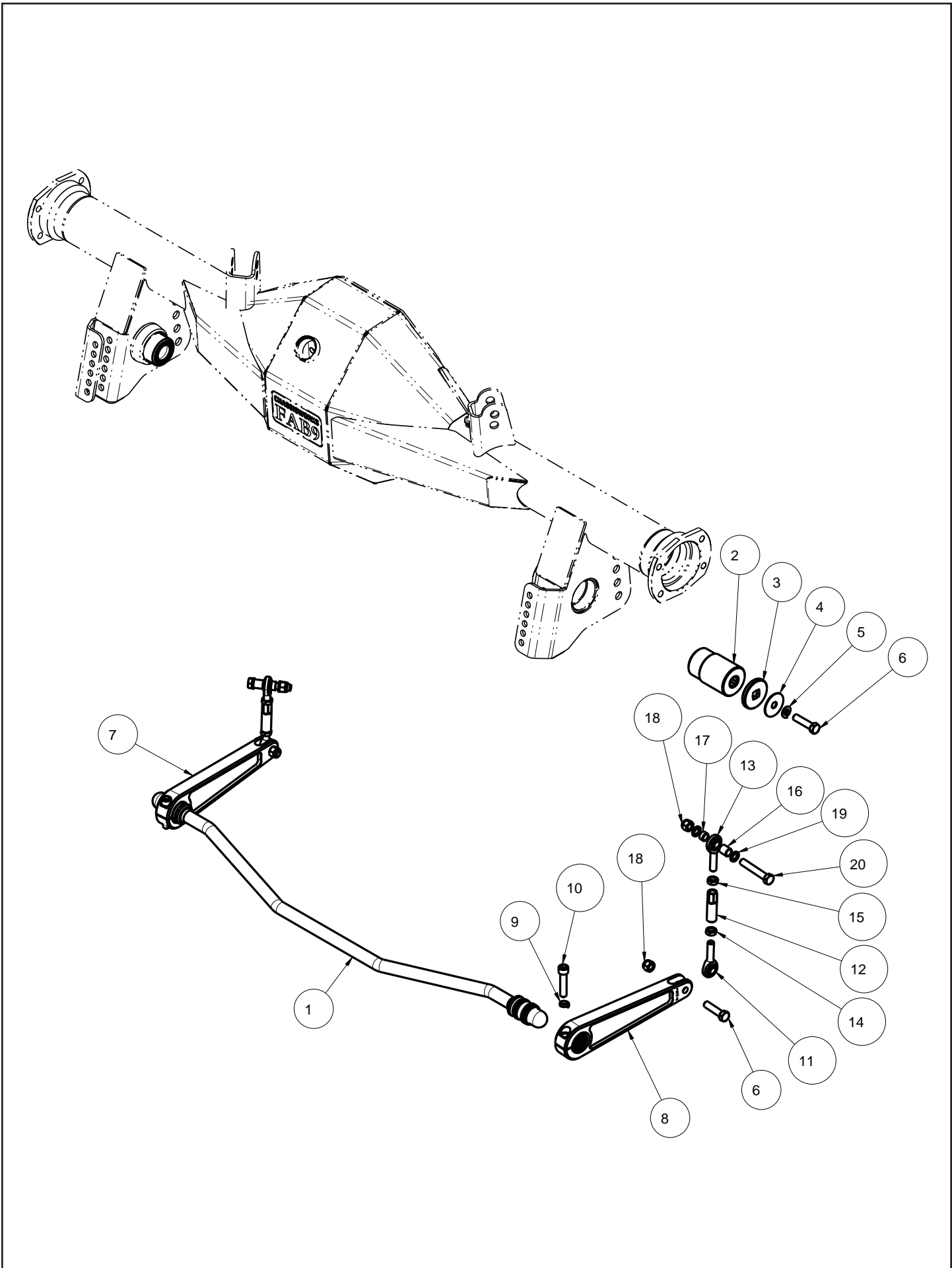
5821-M10 Mini-Tubbed g-Bar Splined-End Anti-Roll Bar 1964-1970 Mustang



Description: Splined-end anti-roll bar for 1964-1970 Mustang mini-tubbed g-Link rear suspension.

Includes: 3/4" diameter bent-tube anti-roll bar, billet-aluminum arms, pivot sockets, endlink assemblies, and frame brackets.

Notes: Threaded mounting socket is part of lower axle-housing bracket and ships with g-Link suspension system. Installation of chassis brackets requires welding.



ITEM	QTY	PART NO.	DESCRIPTION
1	1	7959-1080	ANTI-ROLL BAR ASSEMBLY, \varnothing 3/4, BALL PIVOT, G-BAR, 64-70 MUSTANG, MINI-TUB
2	2	3701	PRELOAD ADJUSTER ASSEMBLY BALL END ANTIROLL BAR
3	2	1262	LOCKING RING, 1 7/8-20 THREAD 1/2 DRIVE, BALL END ANTIROLL BAR
4	2	3157-038F-C	FENDER WASHER, 3/8 x 1 1/2, ZINC PLATED
5	2	3108-038L-C	LOCK WASHER, HELICAL SPRING \varnothing 3/8, STEEL, ZINC
6	4	3100-038F1.50Y	HEX BOLT, 3/8-24 x 1 1/2, GRADE 8, YELLOW ZINC
7	1	1465-R	ANTIROLL 4° ARM, RIGHT 1 1/4-48 SPLINE, 8.20 LONG
8	1	1465-L	ANTIROLL 4° ARM, LEFT 1 1/4-48 SPLINE, 8.20 LONG
9	2	3108-038H-C	HIGH COLLAR LOCKWASHER, 3/8 STEEL, CLEAR ZINC
10	2	3103-038C1.75C	SOCKET HEAD CAP SCREW, GRADE 8, 3/8-16 x 1 3/4, CLEAR ZINC
11	2	3111-038X038-RT	ROD END, 3/8-24 RIGHT x 3/8 BORE, MALE, TEFLON, CM6T
12	2	1056-02.0	ADJUSTER, 2.0 x 3/8-24, ANTI-ROLL BAR
13	2	3111-038X038-LT	ROD END, 3/8-24 LEFT x 3/8 BORE, MALE, TEFLON, CML6T
14	2	3102-038-24RC	JAM NUT, 3/8-24 RIGHT, CLEAR ZINC
15	2	3102-038-24LY	JAM NUT, 3/8-24 LEFT, YELLOW ZINC
16	2	3140-1216-017	SLEEVE, \varnothing 1/2 x .384 x .550
17	2	3140-1216-008	SLEEVE, \varnothing 1/2 x .384 x 1/4
18	4	3101-038-24C	LOCKNUT, 3/8-24, GRADE 5, NYLON INSERT, CLEAR ZINC
19	4	3109-038-S-2-Y	AIRCRAFT WASHER 3/8 x .062 THICK
20	2	3100-038F2.25Y	HEX BOLT, 3/8-24 x 2 1/4, GRADE 8, YELLOW ZINC

DESCRIPTION		ANTI-ROLL BAR, SPLINED, MINI-TUB, 64-70 MUSTANG, G-BAR	
Chris Alston's CHASSISWORKS INC. 8661 YOUNGER CREEK DRIVE SACRAMENTO, CA 95828 (916) 388-0288 FAX 388-0295		PART NO. 5821-M10	
		2/8/19	DWG: 915821-M10

PARTS LIST

Prior to beginning installation use the following parts lists to verify that you have received all components required for installation.

Splined-End Anti-Roll Bar - 5821-M10

Qty	Part Number	Description
1	300-0200	Anti-roll bar 3/4" diameter, 1-1/4" 48-spline with 1" ball pivot ends

Mounts and Hardware - 300-0201

Qty	Part Number	Description
1	1465-L	Billet anti-roll bar arm, 4-degree offset, 1-1/4" 48-spline
1	1465-R	Billet anti-roll bar arm, 4-degree offset, 1-1/4" 48-spline
2	3701	Preload adjuster socket assembly
90300-0201.12 - Bag 1 of 2		
2	1262	Lock ring 1-7/8-20
4	3100-038F1.50Y	Bolt 3/8-24 x 1-1/2 hex head Grade 8
2	3100-038F2.25Y	Bolt 3/8-24 x 2-1/4" hex head Grade 8
2	3108-038L-C	Lock washer 3/8 regular
2	3157-038F-C	Fender washer 3/8 x 1-1/2 OD
90300-0201.22 - Bag 2 of 2		
2	1056-02.0	Adjuster rod 3/8-24 x 2"
4	3101-038-24C	Locknut 3/8-24 nylon insert
2	3102-038-24LY	Jam nut 3/8-24 LH Grade 5, yellow zinc
2	3102-038-24RC	Jam nut 3/8-24 RH Grade 5, clear zinc
2	3103-038C1.75C	Allen head 3/8-16 x 1-3/4 socket head cap screw
2	3108-038H-C	Lock washer 3/8 high collar
4	3109-038-S-2-Y	Aircraft washer 3/8 small OD
2	3111-038X038-LT	Rod end 3/8-24 LH x 3/8 bore
2	3111-038X038-RT	Rod end 3/8-24 RH x 3/8 bore
2	3140-1216-008	Sleeve 3/8-ID x 1/2-OD x 1/4"
2	3140-1216-017	Sleeve 3/8-ID x 1/2-OD x .550"

INSTRUCTIONS

Anti-Roll Bar Assembly

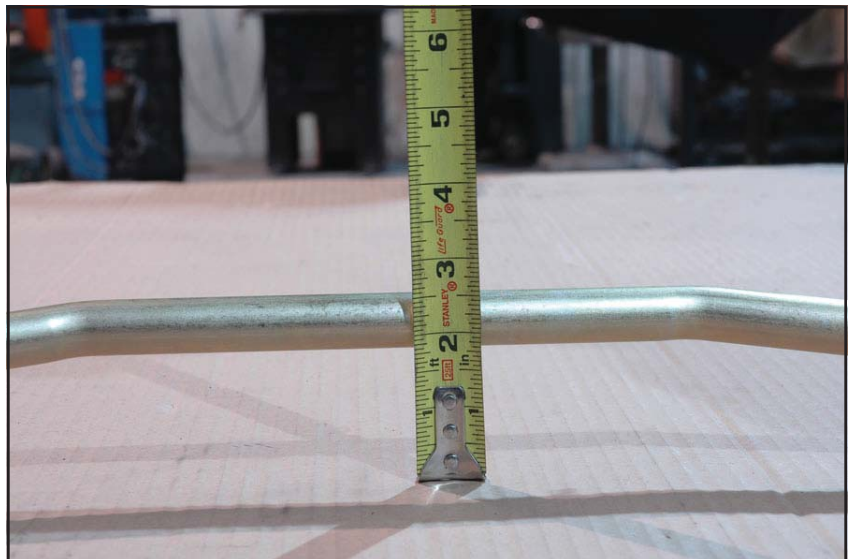
Anti-roll bar must be assembled to correctly position bend for maximum center section clearance.

1. Place billet arms and anti-roll bar on a flat working surface. The arm's bolt counter-bores should be facing down. The 4° offset spline bore must make the arms angled outward away from each other.
2. Orient the anti-roll bar with the bend pointing the opposite direction that arms extend.
3. Rotate bar approximately 45 degrees, so that bent section is raised and insert a splined-end into the first arm until the splines are slightly engaged.
4. With the inserted arm laying flat on the table, raise the opposite end of the bar and slightly engage the splines. Make sure the arms are indexed the same so that they are flat to each other.



5. When correctly indexed, the top of the bend should be approximately 2-1/2 to 2-5/8" from the working surface. If the bend height is outside this range, disengage splines, rotate bar, reassemble, and then measure again.

Note: Assembly orientation is upside down from actual installation orientation.



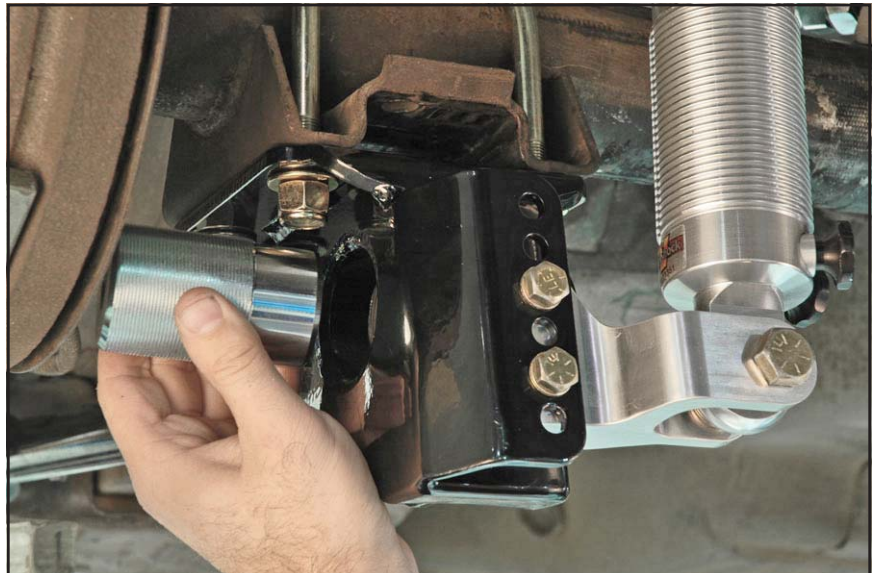
- Secure arms with 3/8-16 x 1-3/4" socket head cap screws and high-collar lock washers. Use a small amount of Locktite® on the threads.

Note: This pinch-bolt configuration applies pressure against the spline to remove all play.



Preload Adjuster Assembly

- Make sure 1-7/8" female threads in lower axle brackets are clear before beginning assembly. Use a wire-tooth brush in a rotating motion to clean the bores. The fine thread is easily siezed up by debris or powder-coat residue.
- Apply a small amount of Anti-Seize to the external threads of the preload adjuster assemblies.



9. Using a 1/2-inch drive ratchet and extension, thread the preload adjuster assemblies into the threaded sockets on the lower axle bracket. Continue until they are even with the socket edge closest to the rear end center section. Do not forcefully thread the assembly together. Doing so will damage the threads.



10. Place the anti-roll bar assembly between the preload adjusters with the arms toward the front of the car and the pinch-bolt heads facing up.



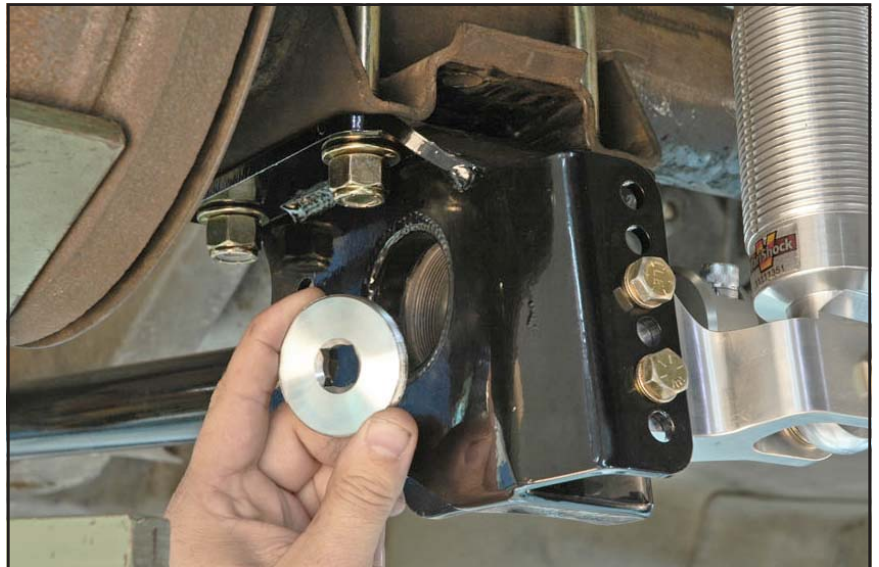
11. Continue to tighten both adjusters evenly until the ball end of the anti-roll bar is bottomed out against the bearing.



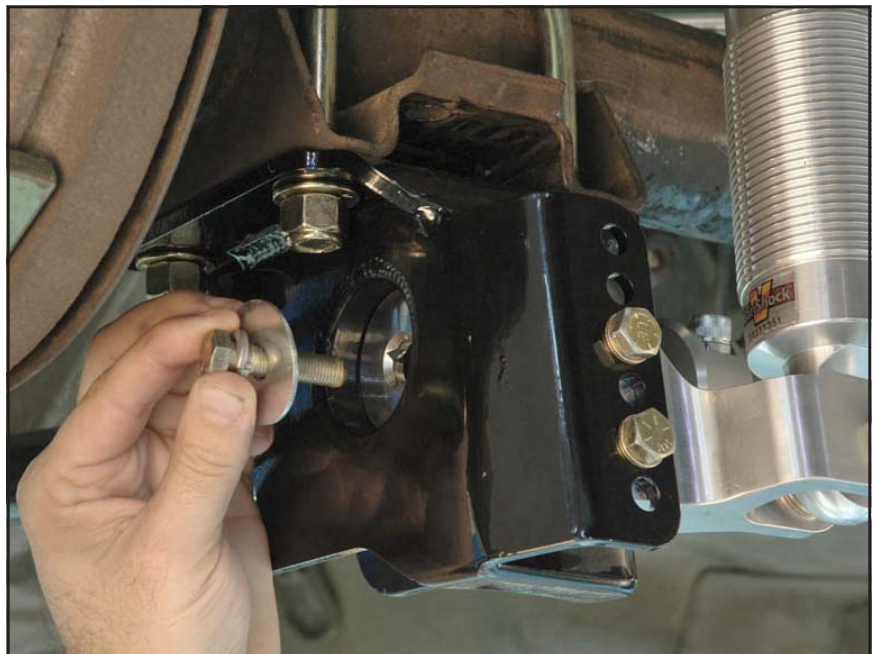
12. Verify that the anti-roll bar is centered. Billet arms must be equal distance from the axle brackets. Then, tighten both preload adjusters an additional 1/4 turn. Do not overtighten. Doing so will cause the anti-roll bar to flex.



13. Thread the locking ring into the axle bracket socket so that it is tight against the preload assembly.

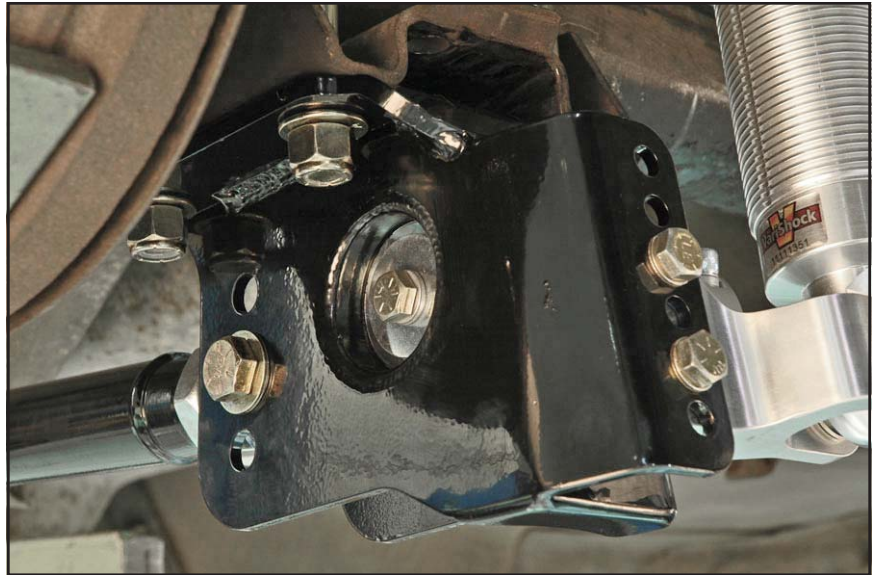


14. Secure with 3/8" fender washer, lock washer, and 3/8-24 x 1-1/2" hex bolt.



15. Tighten to 35 lb-ft.

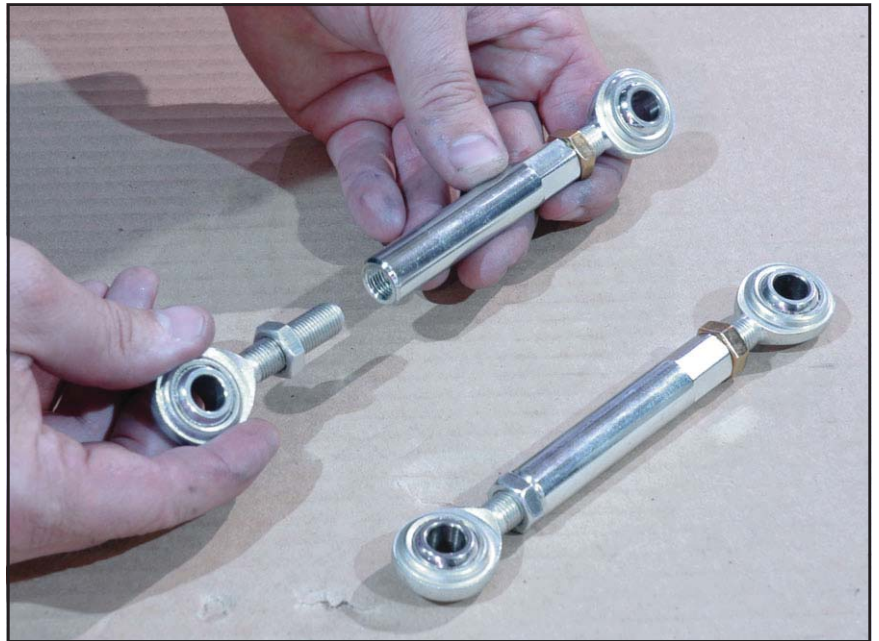
16. Repeat steps for opposite side.



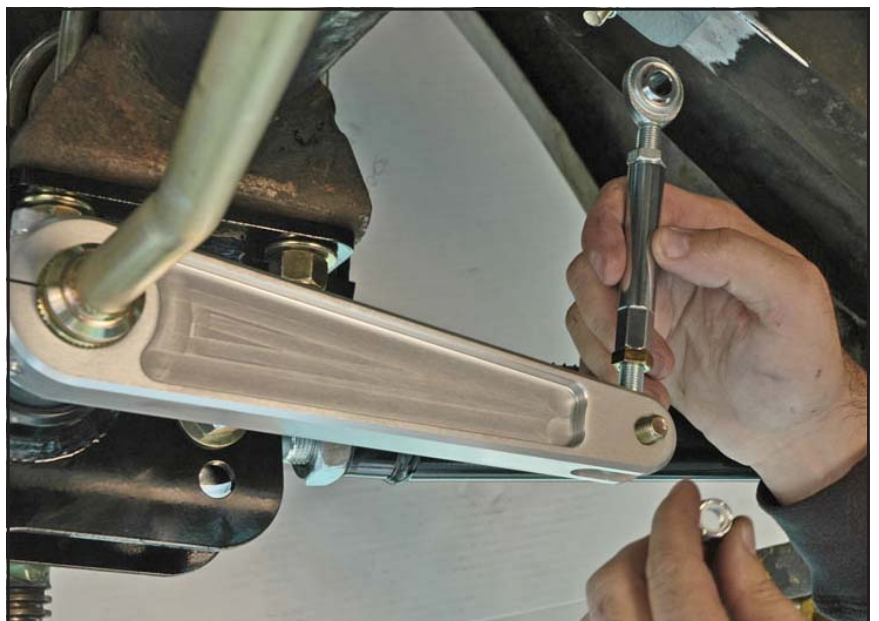
Endlink Adjuster Assembly

17. Thread 3/8"-24 jam nuts onto each rod end until 3/4" of threads have passed the jam nut. This will position the jam nut at approximately half travel. Yellow-zinc jam nut indicates left-hand threads.

18. Thread the endlink adjuster tube onto the rod ends. Hex end of the adjuster indicates left-hand threads. Do not force threads. Run a tap through the adjuster if necessary.



19. Attach the endlink adjuster assemblies to the billet arms. Use 3/8-24 x 1-1/2" hex bolts and lock nuts provided. Torque mounting hardware to 35 lb-ft.



20. The endlink mounts to the clevis directly below the upper suspension link's chassis mount.
21. Adjuster links should be in a neutral position, meaning that there is NO preload placed upon the anti-roll bar. If there is any preload present, adjuster links will be difficult to turn by hand. If necessary, adjust one of the link assemblies to a shorter length until preload is neutral. Do NOT add preload to chassis using adjuster links.
22. Rotate each rod end body so that it is centered within its clevis, then tighten jam nuts.
23. Verify that all mounting hardware is correctly installed and torqued to specification.



NOTES:

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