

# Spohn Performance, Inc.

494 E Lincoln Ave Myerstown, PA 17067

1-888-365-6064 www.spohn.net

## Part #C10-FSB-125 – Tubular Front Sway Bar - 2010+ Chevrolet Camaro

### USE OF THIS PRODUCT IS ACCEPTANCE OF SELLER'S DISCLAIMER OF WARRANTY!

By their very nature, competition components are constantly pushed to their limits. While our components are designed to withstand intense race conditions, it is impossible to control the quality of installation or the varying conditions in which they are used. It is for this reason that absolutely no warranty or guarantee is either written or implied. Neither the seller or the manufacturer will be liable for any loss, damage, or injury – direct or indirect – arising from the use of or inability to determine the use of any product. Before using, the user should determine the suitability of the product for its intended use, and the user shall assume all responsibility in connection therewith. Spohn Performance, Inc. makes no guarantee as to the legality for any specific class. Spohn Performance, Inc. makes no claims, nor does it intend its products to be used in street driven vehicles. Spohn Performance, Inc. reserves the right to make changes in design or add to or improve on their product without incurring any obligation to install the same on product previously manufactured. The Buyer agrees to indemnify and hold Spohn Performance, Inc. harmless from any claim, action or demand arising out of or incident to the Buyer's installation or use of products purchased from Spohn Performance, Inc.

### INSTRUCTIONS

1. Begin by jacking up the front of the car until the front wheels are off the ground and support the car with jack stands. Remove both front wheels.
2. Disconnect the bottom of both end links from the factory front sway bar. If you will be installing our Extreme Duty end links disconnect the top of the factory end links from the strut as well.
3. Remove the factory front sway bar bushings and shells. The factory bushings are bonded to the sway bar and it is necessary to pry them off with a screw driver.
4. Disconnect the passenger's side tie rod end from the spindle. Push or tie back the spindle as rearward as possible.
5. With the end links and bushings removed from the factory sway bar fish the sway bar towards the driver's side until it is completely removed. This is not easy to do but it can be removed without jacking up the engine. Take your time and have one person on each end of the sway bar.
6. Fish the Spohn front sway bar in from the driver's side, again this is easiest with one person on each end of the sway bar.
7. Lubricate the poly bushings with grease and install on to the sway bar. Place the supplied black powder coated 3/8" thick spacer plates over the sway bar bushing mounting studs on the k-member. These are used to provide proper clearance for the shaft collars we will be installing. Install the bushing shell over each bushing and install on top of the spacer plates over the studs and start the nuts making them hand tight only.
8. Reconnect the end links to the sway bar, hand tight only. If installing our Extreme Duty end links install the top strut connection and fully tighten, then install to the sway bar hand tight only.
9. Take several measurements on each side of the car and make sure the sway bar is centered from side to side. Once the sway bar is centered fully tighten the four nuts on the sway bar bushings and then fully tighten the end link connections. Note: The sway bar bushings can be tightened from under the car using a wrench, or if you lock together two very long ratchet extensions with a swivel on the bottom you can tighten the bushings from the engine bay (much easier).
10. On the inboard side of each poly bushing install the two piece bolt together shaft collars. This will lock in the sway bar's lateral positioning and prevent any side to side movement.
11. Reconnect the passenger's side tie rod and prevent any side to side movement.
12. Reinstall both wheels and then lower the vehicle to the ground.

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## Part #C10-RSB-125 – 32mm Competition Rear Sway Bar - 2010+ Chevrolet Camaro

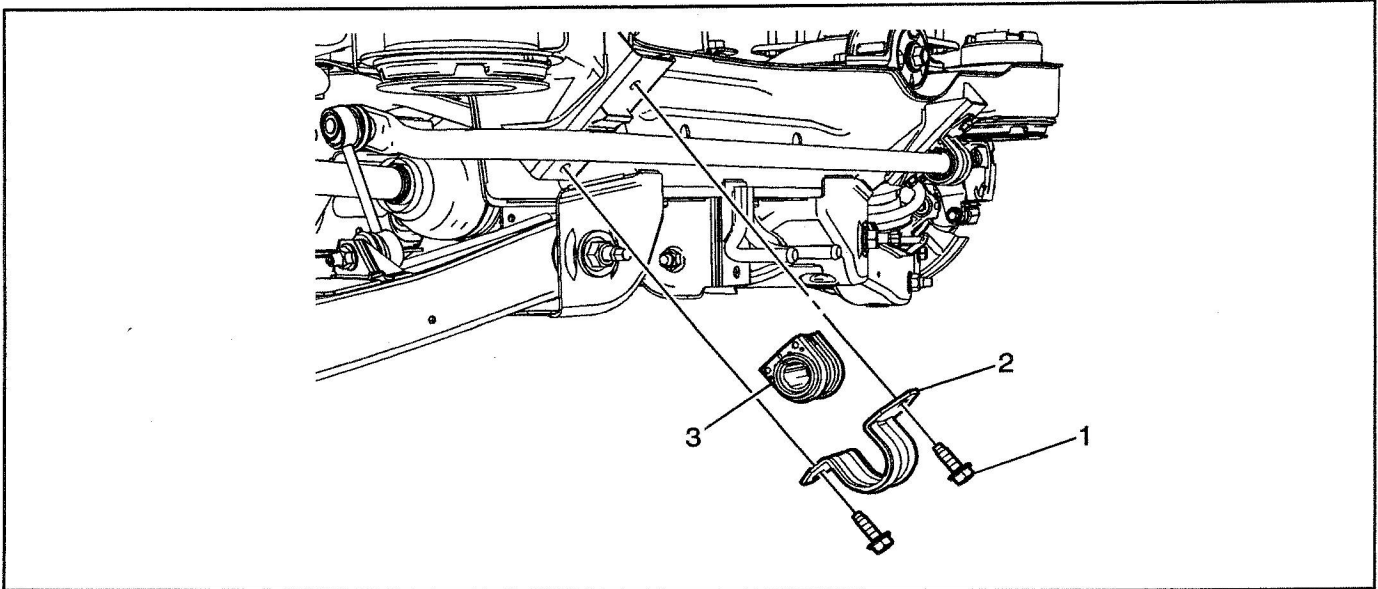
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### **INSTRUCTIONS**

1. Begin by jacking up the rear of the car until the rear wheels are off the ground and support the car with jack stands. Block the front wheels.
2. Disconnect the top of both rear end links from the factory rear sway bar. If you will be installing our Extreme Duty rear end links disconnect the bottom of the factory end links from the rear lower control arms and completely remove the factory end links.
3. Remove the factory rear sway bar bushings and shells and then remove the factory rear sway bar.
4. Lubricate the poly bushings with grease and install on to the Spohn rear sway bar. Place the supplied black powder coated 3/8" thick spacer plates over the sway bar bushing mounts on the sub frame. These are used to provide proper clearance for the shaft collars we will be installing. Install the bushing shell over each bushing and install on top of the spacer plates, use the supplied longer mounting bolts making them hand tight only.
5. Reconnect the end links to the sway bar, hand tight only. If installing our Extreme Duty rear end links install the bottom to the rear lower control arm connection and fully tighten, then install the top to the sway bar hand tight only. Note: Our rear sway bar has three end link mounting holes to choose from. This allows you to tune your rear sway bar's roll stiffness with the rearward hole being the stiffest setting and the front most hole being the loosest setting.
6. Take several measurements on each side of the car and make sure the sway bar is centered from side to side. Once the sway bar is centered fully tighten the four bolts on the sway bar bushings and then fully tighten the end link connections.
7. On the inboard side of each poly bushing install the two piece bolt together shaft collars. This will lock in the sway bar's lateral positioning and prevent any side to side movement.
8. Lower the vehicle to the ground.

## Stabilizer Shaft Insulator Replacement

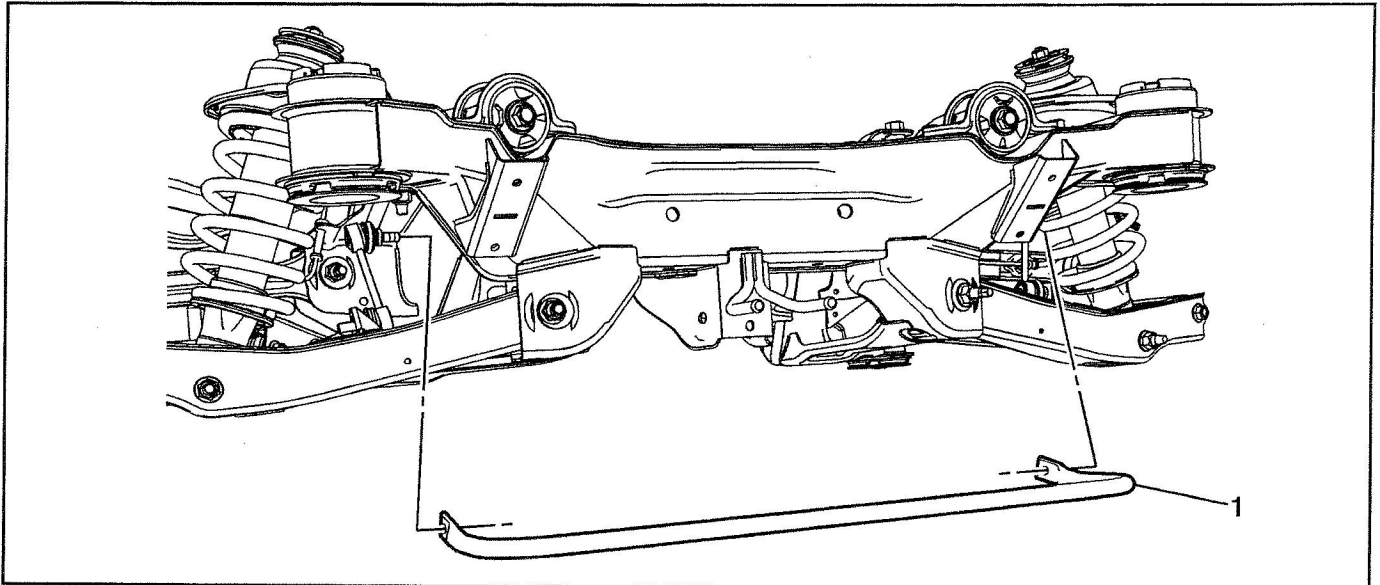


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### Stabilizer Shaft Insulator Replacement

Callout	Component Name
<b>Preliminary Procedure</b>	
Raise and support the vehicle. Refer to <i>Lifting and Jacking the Vehicle</i> on page 1-40.	
1	Rear Stabilizer Shaft Clamp Bolt (Qty: 2) <b>Caution:</b> Refer to <i>Fastener Caution</i> on page 0-7. <b>Tighten</b> 22 N•m (16 lb ft)
2	Rear Stabilizer Shaft Clamp
3	Rear Stabilizer Shaft Insulator

## Stabilizer Shaft Replacement

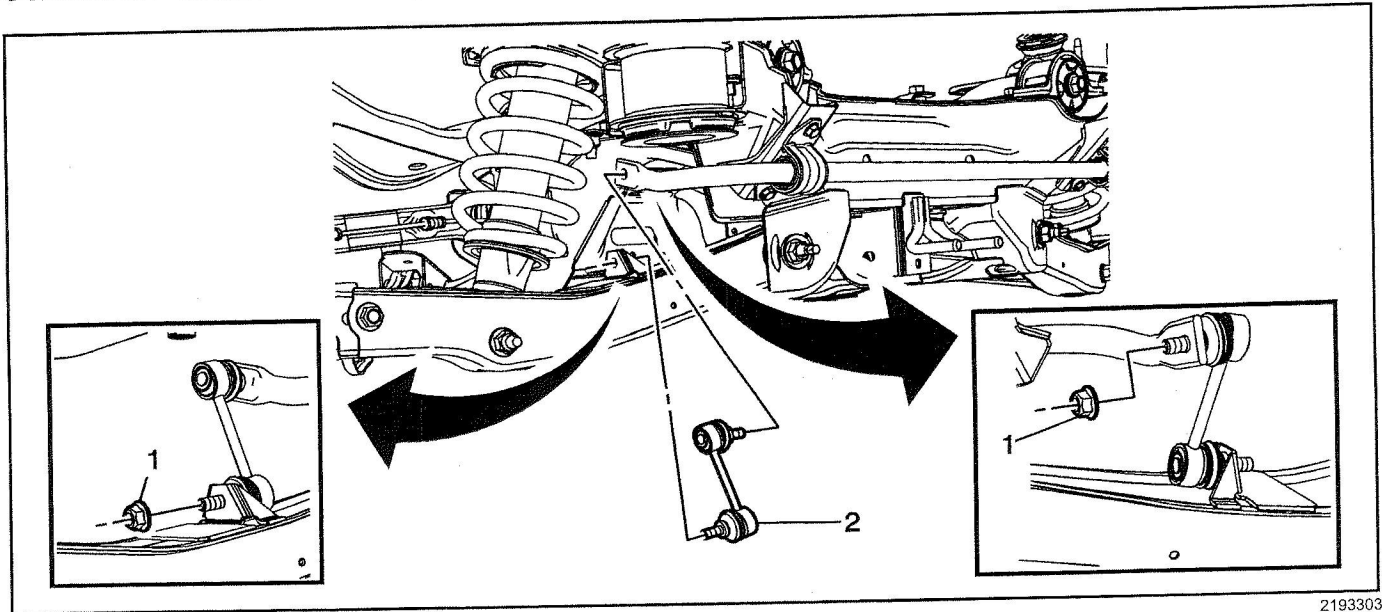


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### Stabilizer Shaft Replacement

Callout	Component Name
<b>Preliminary Procedures</b>	
1. Raise and support the vehicle. Refer to <i>Lifting and Jacking the Vehicle</i> on page 1-40 2. Remove the stabilizer shaft from the stabilizer shaft links. Refer to <i>Stabilizer Shaft Link Replacement</i> on page 16-25 3. Remove the stabilizer shaft insulators. Refer to <i>Stabilizer Shaft Insulator Replacement</i> on page 16-24	
1	Stabilizer Shaft <b>Tip:</b> It may be necessary to maneuver the stabilizer shaft in such a way to remove it from the vehicle.

# Stabilizer Shaft Link Replacement



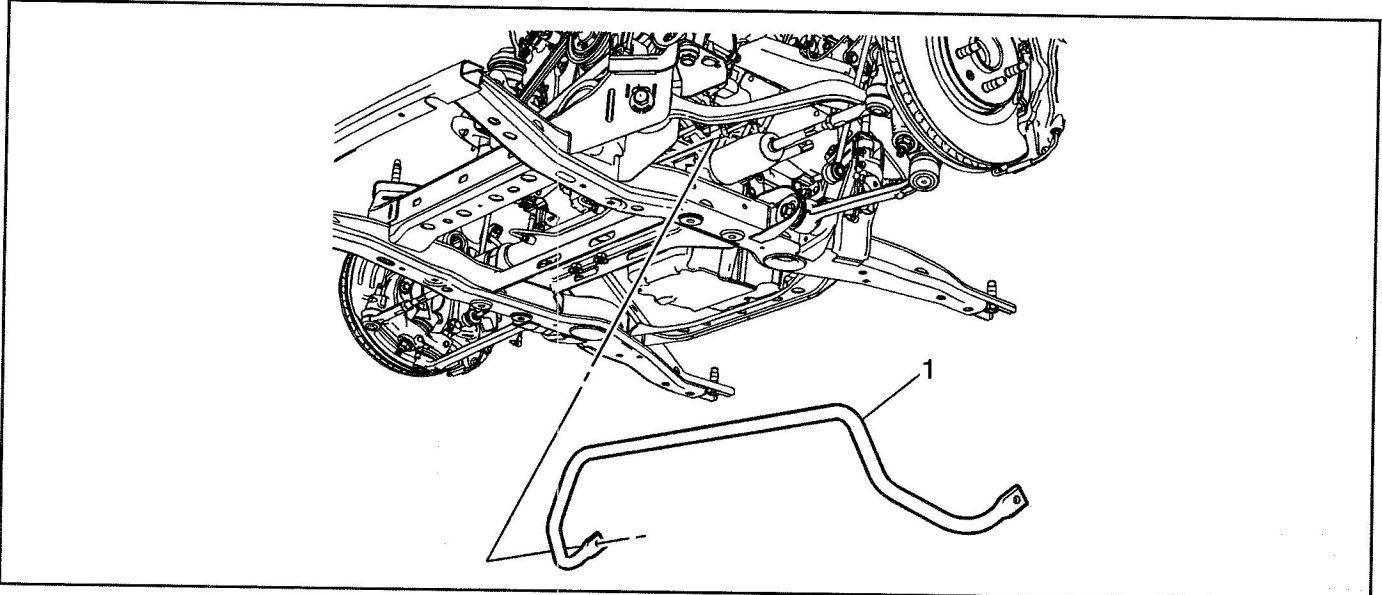
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## Stabilizer Shaft Link Replacement

Callout	Component Name
<b>Preliminary Procedure</b> Raise and support the vehicle. Refer to <i>Lifting and Jacking the Vehicle</i> on page 1-40.	
1	Rear Stabilizer Shaft Link Nut (Qty: 2) <b>Caution:</b> Refer to <i>Fastener Caution</i> on page 0-7. <b>Tip:</b> Use the appropriate size allen/TORX™ bit wrench to keep the ball stud from rotating when removing the stabilizer shaft link nut. <b>Tighten</b> 49 N•m (36 lb ft)
2	Rear Stabilizer Shaft Link

# Repair Instructions

## Stabilizer Shaft Replacement



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### Stabilizer Shaft Replacement

Callout	Component Name
<p><b>Preliminary Procedures</b></p> <ol style="list-style-type: none"> <li>1. Raise and support the vehicle. Refer to <i>Lifting and Jacking the Vehicle</i> on page 1-40.</li> <li>2. Remove the tire and wheel assemblies. Refer to <i>Tire and Wheel Removal and Installation</i> on page 16-66.</li> <li>3. Remove the outer tie rod from the steering knuckle. Refer to <i>Steering Linkage Outer Tie Rod Replacement</i> on page 15-25.</li> <li>4. Remove the stabilizer shaft links from the stabilizer shaft. Refer to <i>Stabilizer Shaft Link Replacement</i> on page 16-5.</li> <li>5. Remove the stabilizer shaft insulators. Refer to <i>Stabilizer Shaft Insulator Replacement</i> on page 16-6.</li> </ol>	
1	<p>Front Stabilizer Shaft</p> <p><b>Tip:</b> It maybe necessary to maneuver the stabilizer shaft in such away to remove it from the vehicle.</p>

# Front Suspension

## Specifications

### Fastener Tightening Specifications

Application	Specification	
	Metric	English
Front Lower Control Arm Adjuster Nut	50 N•m Plus an additional 150 degrees	37 lb ft Plus an additional 150 degrees
Front Lower Front Control Arm Nut at the Steering Knuckle	40 N•m Plus an additional 90 degrees	30 lb ft Plus an additional 90 deg rees
Front Lower Rear Control Arm Nut at the Steering Knuckle	40 N•m Plus an additional 90 degrees	30 lb ft Plus an additional 90 degrees
Front Lower Rear Control Arm Bolt at the Frame	50 N•m Plus an additional 120 degrees	37 lb ft Plus an additional 120 degrees
Front Stabilizer Shaft Link Nut at the Front Strut	50 N•m	36 lb ft
Front Stabilizer Shaft Link Nut at the Stabilizer Shaft	50 N•m	36 lb ft
Front Stabilizer Shaft Insulator Clamp Nuts	17 N•m	13 lb ft
Front Suspension Strut Bolts at the Steering Knuckle	80 N•m Plus an additional 180 degrees	59 lb ft Plus an additional 180 degrees
Front Suspension Strut Nut at the Front Suspension Strut Mounting Plate	70 N•m	52 lb ft
Front Suspension Strut Nut at the Front Suspension Strut Insulator	70 N•m	52 lb ft
Front Wheel Bearing/Hub Bolts	108 N•m	79 lb ft