

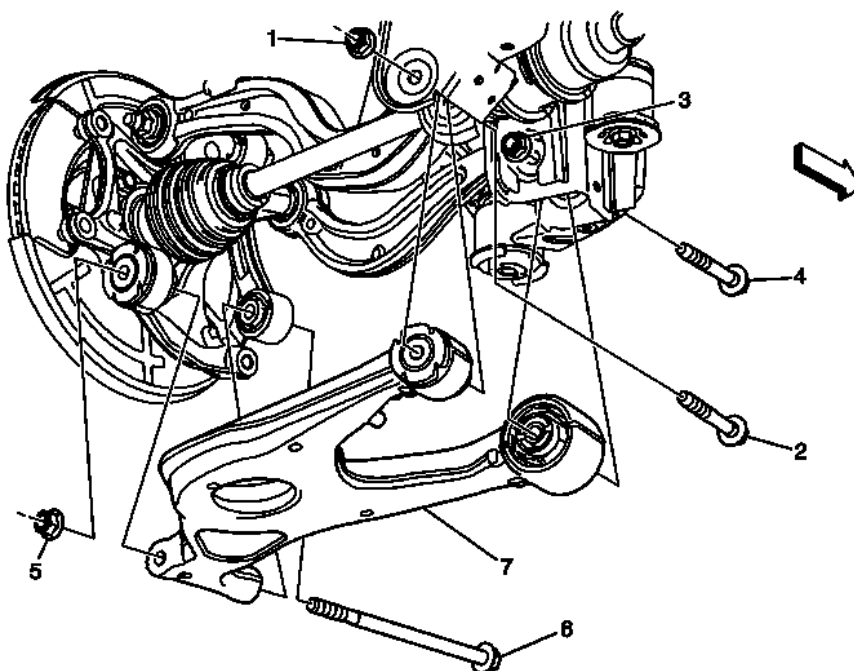
**Fig. 8: Rear Axle Lower Control Arm (GNC)**  
 Courtesy of GENERAL MOTORS COMPANY

#### Rear Axle Lower Control Arm Replacement (GNC)

Callout	Component Name
<b>Preliminary Procedure</b> <ol style="list-style-type: none"> <li>1. Raise and support the vehicle. Refer to <u>Lifting and Jacking the Vehicle</u> .</li> <li>2. Remove the tire and wheel assembly. Refer to <u>Tire and Wheel Removal and Installation</u> .</li> <li>3. Remove the rear spring. Refer to <u>Rear Spring, Insulator, and Jounce Bumper Replacement</u>.</li> </ol>	
1	Rear Suspension Lower Control Arm Inner Nut  <b>CAUTION:</b> Refer to <u>Fastener Caution</u> .  <b>NOTE:</b> <b>DO NOT</b> torque the nut until all specifications have been checked and/or adjusted. The nut must be tightened at ride height.  <b>Tighten</b> <ul style="list-style-type: none"> <li>• First Pass: 90 N.m(66 lb ft)</li> <li>• Final Pass: plus 60 degrees</li> </ul>

2	Rear Suspension Lower Control Arm Washer
3	Rear Suspension Lower Control Arm Bolt <b>Procedure</b> Remove and discard the bolt and replace with NEW only.
4	Rear Suspension Lower Control Arm Nut
5	Rear Suspension Lower Control Arm Bolt <b>Tighten</b> 70 N.m(51 lb ft) + 90 degrees
6	Rear Lower Control Arm <b>Procedure</b> Check the rear alignment after installation. Refer to <u>Wheel Alignment Measurement</u> .

### REAR AXLE LOWER CONTROL ARM REPLACEMENT (GNE)



**Fig. 9: Rear Axle Lower Control Arm (GNE)**  
Courtesy of GENERAL MOTORS COMPANY

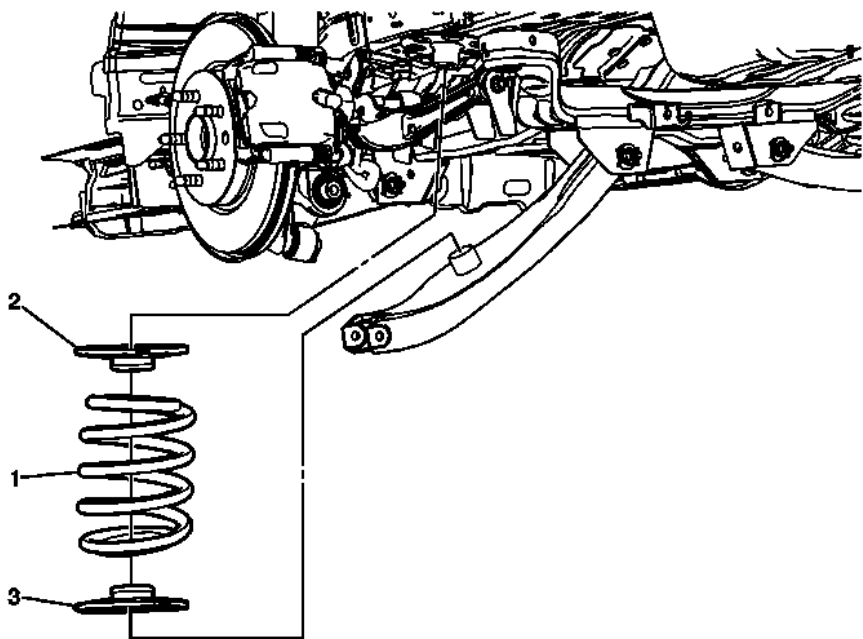
#### Rear Axle Lower Control Arm Replacement (GNE)

Callout	Component Name
<b>Preliminary Procedure</b>	
1.	Raise and support the vehicle. Refer to <u>Lifting and Jacking the Vehicle</u> .
2.	Remove the tire and wheel assembly. Refer to <u>Tire and Wheel Removal and Installation</u> .
3.	Remove the rear spring. Refer to <u>Rear Spring, Insulator, and Jounce Bumper Replacement</u> .

Courtesy of GENERAL MOTORS COMPANY

1. Make an indentation 10 mm (0.4 in) from the bottom of the tube (3) using a centerpunch.
2. Clamp the shock absorber in a vise horizontally with the shock absorber rod (1) completely extended.
3. Drill a hole in the shock absorber at the centerpunch (4) using a 5 mm (3/16 in) drill bit. Gas or a gas/oil mixture will exhaust when the drill bit penetrates the shock absorber. Use shop towels in order to contain the escaping oil.
4. Make an indentation in the middle (2) of the tube (3) with a centerpunch.
5. Drill a second hole in the shock absorber at the centerpunch (2) using a 5 mm (3/16 in) drill bit. Oil will exhaust when the drill bit penetrates the shock absorber. Use shop towels in order to contain the escaping oil.
6. Remove the shock absorber from the vise. Hold the shock absorber over a drain pan horizontally with the holes down. Move the rod (1) in and out of the tube (3) to completely drain the oil from the shock absorber.

REAR SPRING, INSULATOR, AND JOUNCE BUMPER REPLACEMENT



**Fig. 30: Rear Spring, Insulator & Jounce Bumper**  
Courtesy of GENERAL MOTORS COMPANY

Rear Spring, Insulator, and Jounce Bumper Replacement

Callout	Component Name
<b>WARNING:</b> To prevent personal injury and/or component damage, use the proper tools to support the lower	

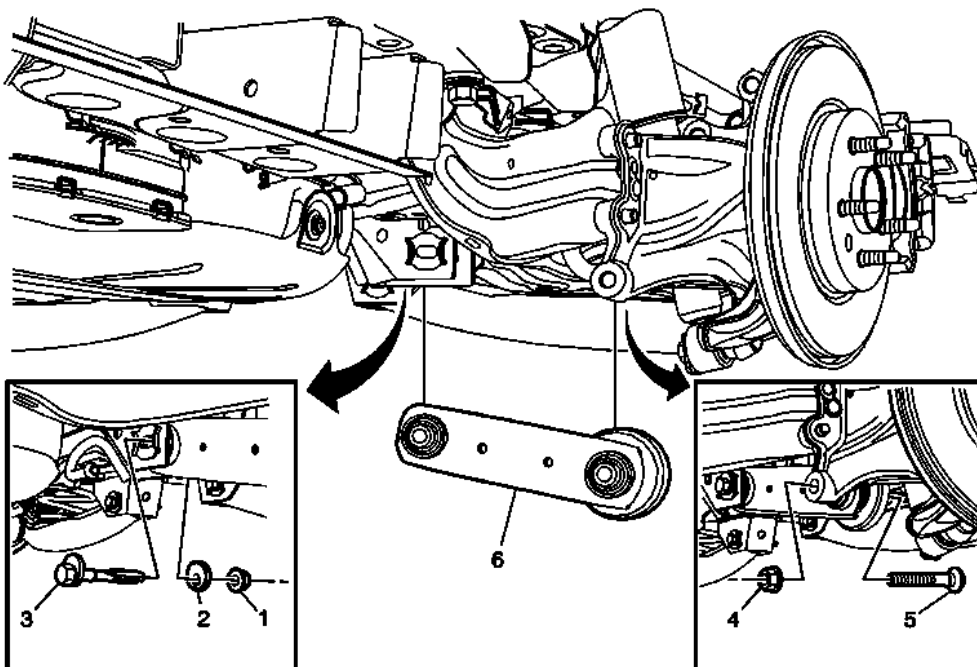
control arm when removing the coil spring. The coil spring is under extreme pressure and can become a projectile should the spring separate from the lower control arm before all of the tension is relieved.

#### Preliminary Procedure

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** .
2. Remove the rear tire and wheel. Refer to **Tire and Wheel Removal and Installation** .
3. Remove the rear brake caliper and relocate to the side, if needed. Refer to **Rear Brake Caliper Replacement** .

	Rear Spring
1	<b>Procedure</b> <ol style="list-style-type: none"> <li>1. Use the proper jack stand to support the lower control arm.</li> <li>2. Disconnect the lower control arm from the rear wheel hub bracket. Refer to <u><b>Rear Axle Lower Control Arm Replacement (GNC)</b></u>, <u><b>Rear Axle Lower Control Arm Replacement (GNE)</b></u>.</li> </ol>
2	Rear Spring Insulator (Upper)
3	Rear Spring Insulator (Lower)

#### ADJUST LINK REPLACEMENT (GNC)



**Fig. 31: Adjust Link (GNC)**