

WRETCHED MOTORSPORTS

CHEVROLET CAMARO/PONTIAC BUSHING TIMING

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What is Timing the Bushings? When you lower a car you need to think about the orientation of the bushings in the car too. OE Bushings typically have bonded ferrules, what that means is the metal center of the bushing is attached to the bushing itself and doesn't rotate freely. With Pedders bushings this is not a concern since the ferrules are allowed to rotate freely. If you do not time the OE bushings on the car there will be a dramatic decrease in ride quality. You may notice excessive and at times dramatic rebound or upward springiness in the suspension. This is due to the added stress that your bushings are under with the new lowered ride heights. When you lowered the car you changed the orientation of the suspension arms, and the bushings need to be reset.

Step 1:

Pull the car up on a drive-up lift, preferably an Alignment Rack since you will need to do an alignment.

Step 2:

Loosen the following bolts/nuts:

Front:

---Inner Control Arm Bushing (1)

---Inner Radius Rod (2)

Rear:

---Trailing Arm Bushings (3,4)

---Toe Rod Bushings (5,6)

---Lower Control Arm Bushings (7)

---Upper Control Arm Bushings (8)

---Lower Strut Bushings (9)

--- Lower Knuckle Bushings (10) G8 GT and G8 V6 Only

Step 3:

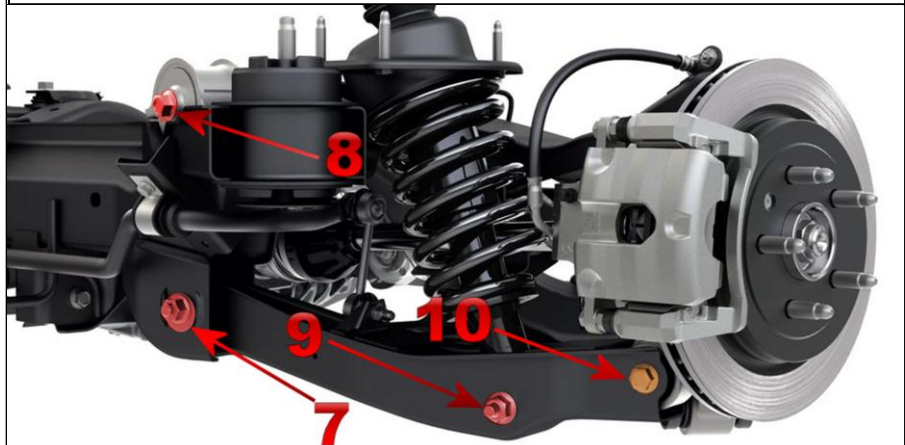
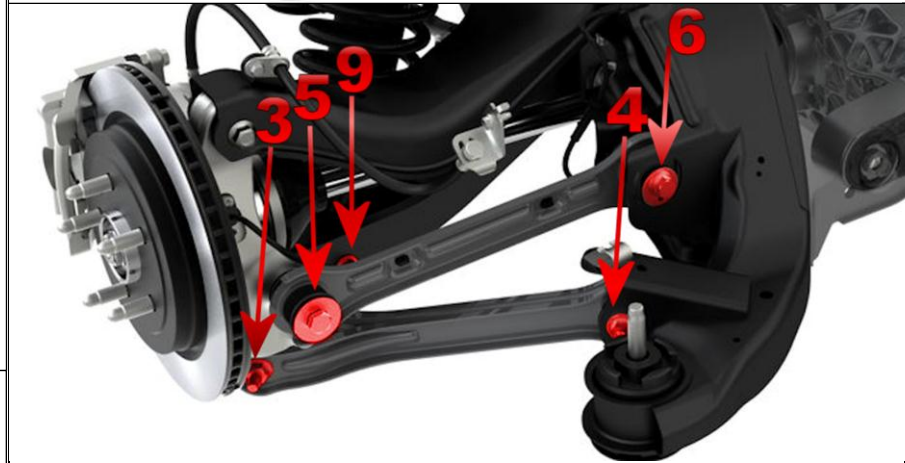
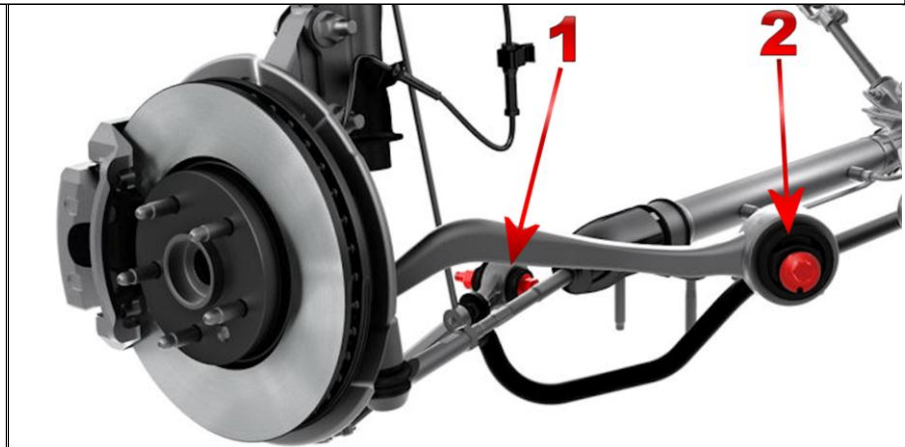
Grab the sub-frames or sway bars, and jounce the car up and down a few times.

Step 4:

Tighten all of the nuts/bolts from Step 2 to proper spec.

Step 5:

Align the car at the new ride height.



Notes:

*Replacing the OE Bushings with Upgraded Pedders Bushings is beneficial for many reasons, but the smoothness that you will gain from the free rotating ferrules.

*The front lower control arm bushing is the most important of all of them.

*On a Camaro and G8 GXP All Red Bolts need to be loosened on both sides of the car

*On G8 GT and V6 you also need to do the Orange bolt at the rear lower arm to spindle. (Camaro/GXP is a Bearing)

*Driving with un-timed Bushings is not safe and can cause damage do your bushings.

Use the information contained in this document as a guide, it is not an answer that covers every car and every situation. Use this at your own risk, we are not responsible for damages that occur from use of this document

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