

Service Information

[2014 Chevrolet Corvette](#) | [Suspension](#) | [Wheel Alignment](#) | [Repair Instructions](#) | **Document ID: 3407291**

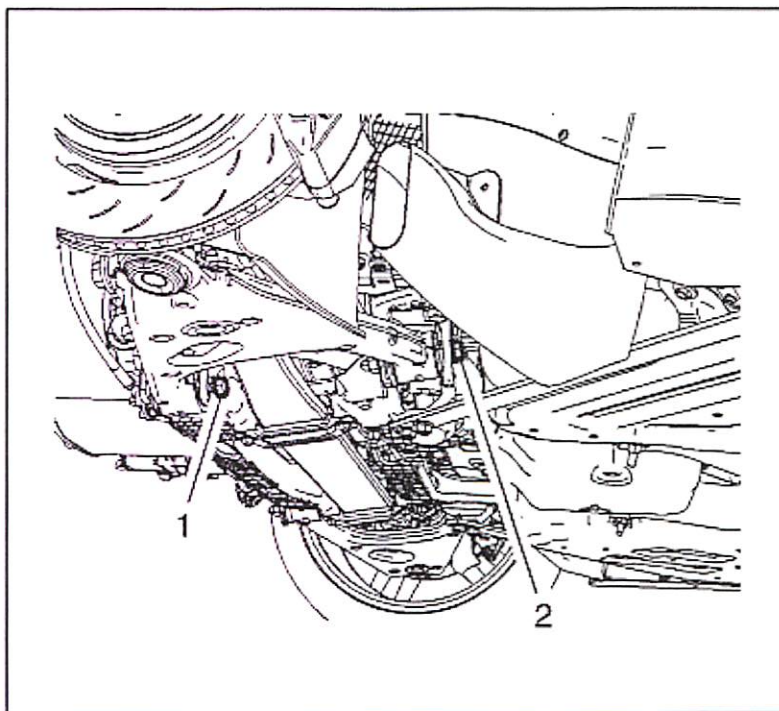
Rear Caster and Camber Adjustment

Special Tools

CH-47960 Digital Angle Gauge

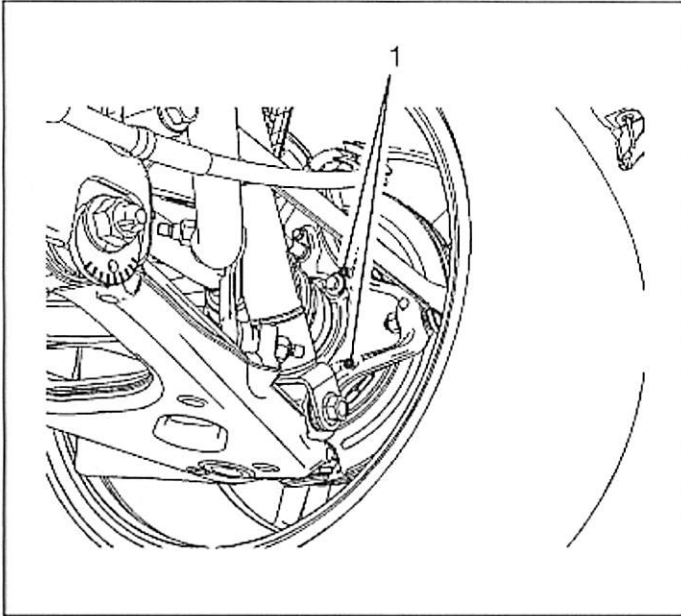
CH-47960-10 Digital Angle Gauge Adapter

[Rear Caster and Camber Adjustment](#)

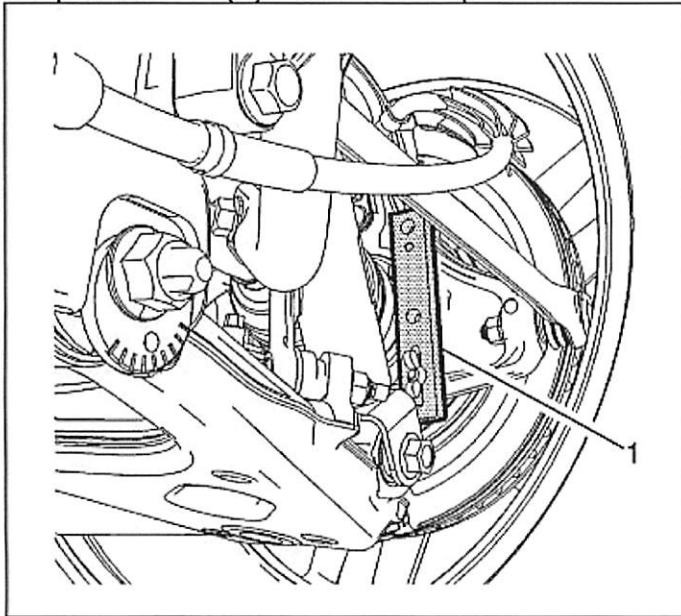


Note: Both cams affect caster to some extent. Set the camber first, then caster.
Adjust settings in the following order:

- o Camber (1)
- o Caster (2)
- o Toe



Before installing the adapter to the knuckle, use a soft (nylon) bristle brush to clean debris from the adapter holes (1). Do not use power tools or abrasives.

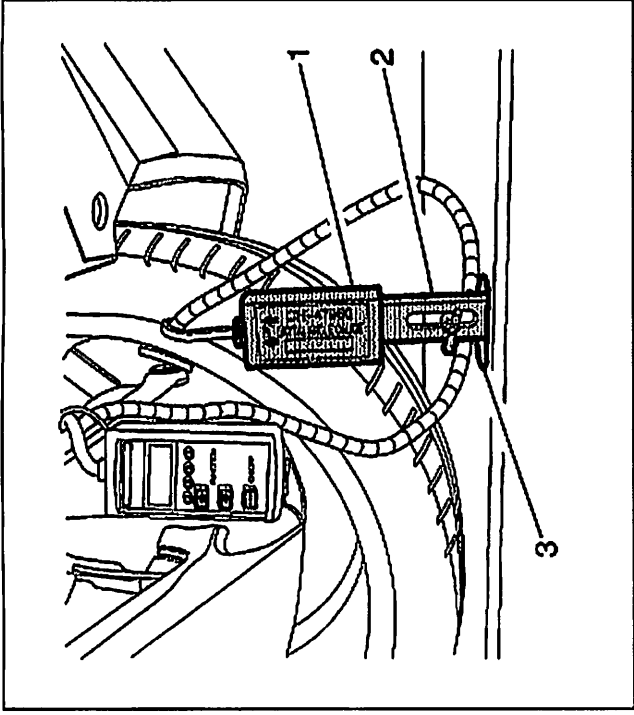


Loosen and adjust the locator pin on the *CH-47960-10* digital angle gauge adapter (1) and install in the adapter holes retighten locator pin.

Remove the adapter from the knuckle assembly.

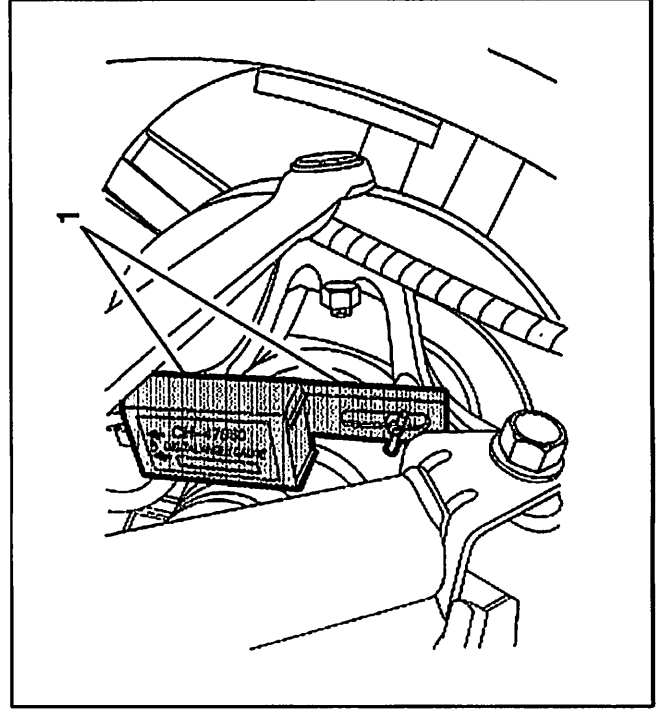
Prepare the *CH-47960* digital angle gauge for use by following this process:

- o Turn the unit on.
- o Choose driver or passenger side
- o Zero the sensor with the following procedure:

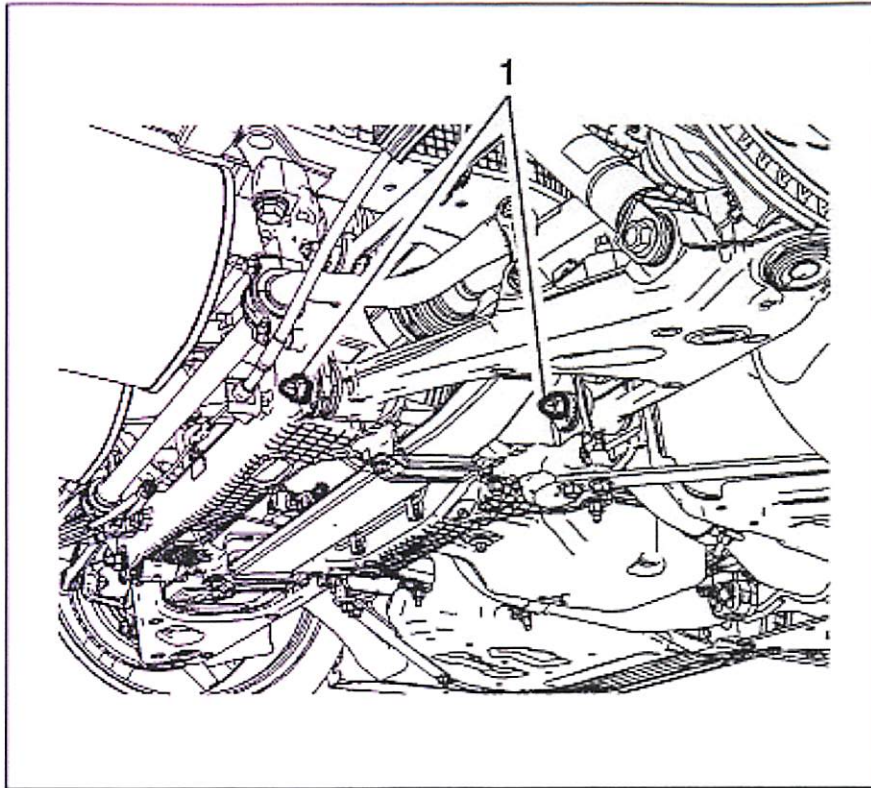


Attach the CH-47960 digital angle gauge sensor (1) or equivalent tool to the CH-47960-10 digital angle gauge adapter (2) and place on a cleaned off portion of the alignment rack (3) making sure the adapter and the rack set flush to one another.

Choose the zero setting on the key pad and push enter.



Install the Ch-47960 digital angle gauge and the CH-47960-10 digital angle gauge adapter (1) as a unit to the knuckle.



Loosen the lower control arm cam bolt nuts (1) .

Using the alignment machine to measure rear wheel camber and the digital angle gauge to measure rear wheel caster , perform the adjustment procedure.

Rotate the cam bolts to the required camber setting (1) . Maintain the camber settings while tightening the cam bolt nuts. Refer to [Wheel Alignment Specifications](#).

Rotate the cam bolts to the required caster setting (2) . Maintain the caster settings while tightening the cam bolt nuts. Refer to [Wheel Alignment Specifications](#).

Caution: Refer to [Fastener Caution](#).

Maintain the caster or camber setting while tightening the cam bolt nuts.

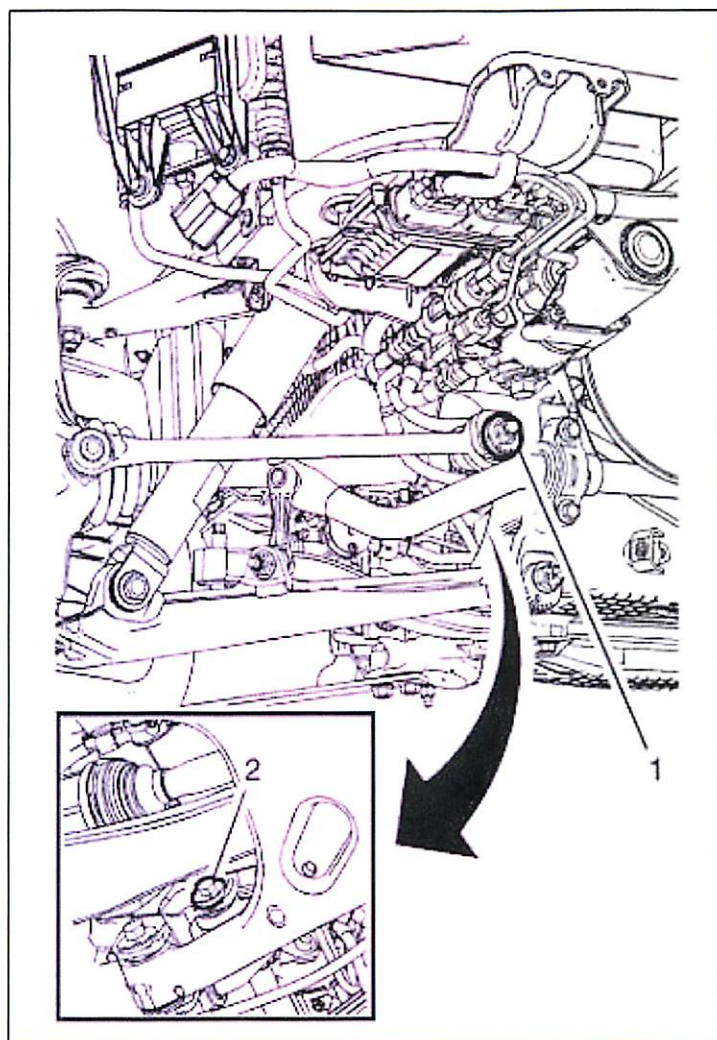
Tighten

Tighten the control arm cam bolts nuts to 170 Y (125 lb ft).

Re-check the caster and camber settings after tightening.

Adjust the rear toe. Refer to [Rear Toe Adjustment](#).

Rear Toe Adjustment



Loosen the rear suspension adjust link cam nut (1).

Rotate the inner cam bolt (2) to the required toe specification setting. Refer to [Wheel Alignment Specifications](#).

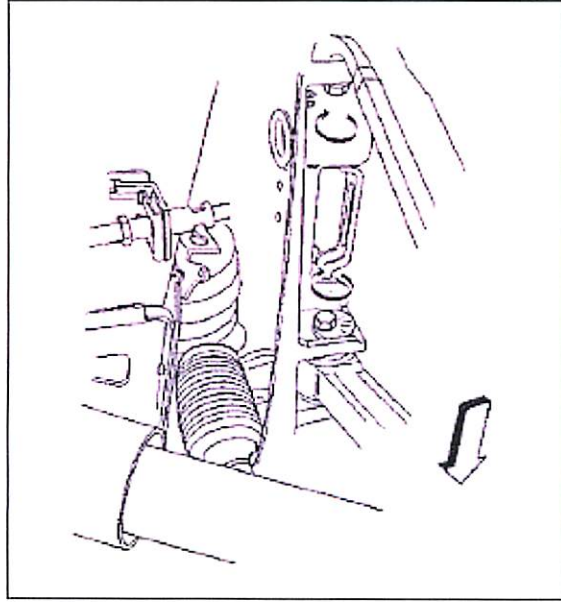
Caution: Refer to [Fastener Caution](#).

Tighten the rear suspension adjustment link cam nut to 70 \pm (52 lb ft).

Check the toe setting after tightening.

Adjust the toe setting if necessary.

Front Caster and Camber Adjustment



Loosen the lower control arm cam bolt nuts.

Rotate the cam bolts to the required caster or camber specification setting. Refer to [Wheel Alignment Specifications](#).

Caution: Refer to [Fastener Caution](#).

Maintain the caster or camber setting while tightening the cam bolt nuts. Tighten the front lower control arm cam bolt nuts to **170 Y (125 lb ft)**.

Note: Check the toe setting **AFTER** changing camber or caster.

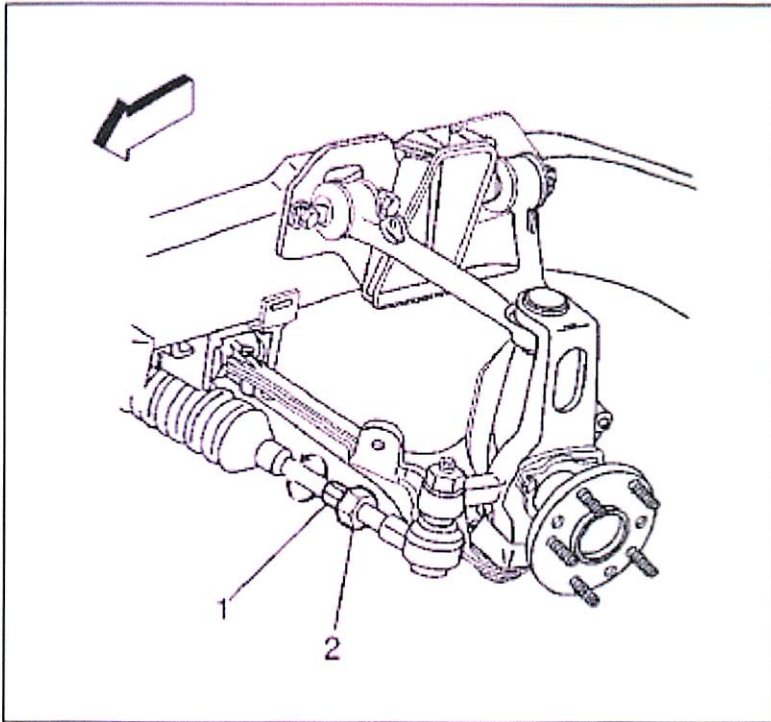
Check the caster and camber settings after tightening.

Adjust the caster and camber setting if necessary.

Service Information

[2014 Chevrolet Corvette](#) | [Suspension](#) | [Wheel Alignment](#) | [Repair Instructions](#) | Document ID:
3533277

Wheel Alignment - Steering Wheel Angle and/or Front Toe Adjustment



Loosen the jam nut on the tie rod (2).

Rotate the inner tie rod (1) to the required toe specification setting. Refer to [Wheel Alignment Specifications](#).

Caution: Refer to [Fastener Caution](#).

Tighten the jam nut on the tie rod. Tighten the front tie rod jam nut to 75 \pm (55 lb ft).

Check the toe setting after tightening.

Adjust the toe setting if necessary.