


## RECALL 23V706 / 2023-567 REMEDY INSTRUCTIONS

	Make(s): CONCORD Model(s): CNC321DSF Model Year(s): 2023 - 2024	Repair Code: RC-005-01-00-004434 Allotted Time: 6.00 HRS. Inspection Code: N/A Allotted Time: N/A
	Concern: Installation of current air ride suspension has resulted in an incorrect pinion to driveline angle.	Photo(s) Required: YES, SEE BELOW Prior Authorization Required: YES Part(s) Kit Number: F100480155 Part(s) Return: DESTROY IN FIELD

Turn off LP Gas at LPG Tank(s). Disconnect the vehicles' battery Positive and Negative, disconnect any House battery(s) Positive and Negative, if equipped with a generator ensure it is off and lastly, ensure the vehicle is disconnected from shore power. Block any tires/wheels to prevent the vehicle from rolling. Failure to do so may result in electrocution, fire or other personal injury, property damage and/or death.

ORDER ONE: F100480155 – REMEDY COMPONENTS KIT

PHOTO REQUIREMENTS: PICTURE OF REPLACEMENT ARM INSTALLED SHOWING YELLOW DOT UPON COMPLETION OF THE REMEDY

PLEASE REFERENCE THE ATTACHED REMEDY INSTRUCTIONS.

# 2023 Coachmen Concord/Autoflex Suspension

## **Objective**

The factory installed upper torque arms (AF-F007-CCB15) do not have the proper length needed to ensure proper pinion angle on a stretched chassis. These arms are to be replaced with corrected arms (AF-F007-CCY58) to improve pinion and driveline angle.

## **Parts Needed**

- 2 Upper torque arms, Part number AF-F007-CCY58
- 2 Lower Round Air Bag Plates, Part Number AF-09-9307-BP

## **Tools Needed**

- Heavy Duty Floor Jack (To Lift at Frame)
- Standard Floor Jack (To Lift Rear Axle)
- Heavy duty Jack Stands (6 Ton Minimum)
- Tape Measure
- ½" Drive Torque Wrench
- ½" Drive Impact
- ½" Drive sockets in the following sizes
  - 1-5/16" Socket
  - 19mm Socket
  - 22mm Socket
  - 15/16" Socket
  - ½" Drive Swivel
  - ½" Drive 6 Inch Extension
- ¾" Drive Impact (Recommended for accessibility but not required)
- ¾" Drive sockets in the following sizes
  - ¾" Socket
  - 9/16" Socket
  - 7/16" Socket
  - ¾" Socket
  - 5/16" Socket
- ¾" Drive Ratchet
- 1-5/16 Wrench
- 15/16" Wrench
- ¾" Wrench
- 5/16" Wrench
- Pry bar
- Hammer
- Rubber mallet or other non-marring hammer
- Extra Wide Flat Edge Chisel
- Body Hammer Set May Also Be Useful

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## Procedure

### Step 1 - Preparing Vehicle

- Place vehicle in park on flat ground and remove key from ignition.
- Block front wheels to prevent vehicle from rolling.
- Jack up the rear of the RV by lifting in front of the rear axle along frame rail and support both sides with jack stands (See Figure 1). At this time the rear wheels may not be off the ground.
- Using a floor jack, lift the rear axle under the center of the differential until all rear wheels are off the ground.
- Remove all 4 wheels from the rear axle.

Note: It is not necessary to deflate air bags. Air bags will deflate automatically when lifting under frame and allowing rear axle to hang.



Figure 1 - Driver Side Shown

### Step 2 - Check Axle Brackets

- First check to make sure there is no gap between the upper and lower axle tube bracket on both driver and passenger side.
- The Red Line (No.1 on Figure 2) indicates where this gap might be. If there is no gap here and the four bolts (No.2 and No.3) are tight then skip step 4.

Note: NOT all 4 bolts (No.2 and No.3) can be seen from Figure 2.

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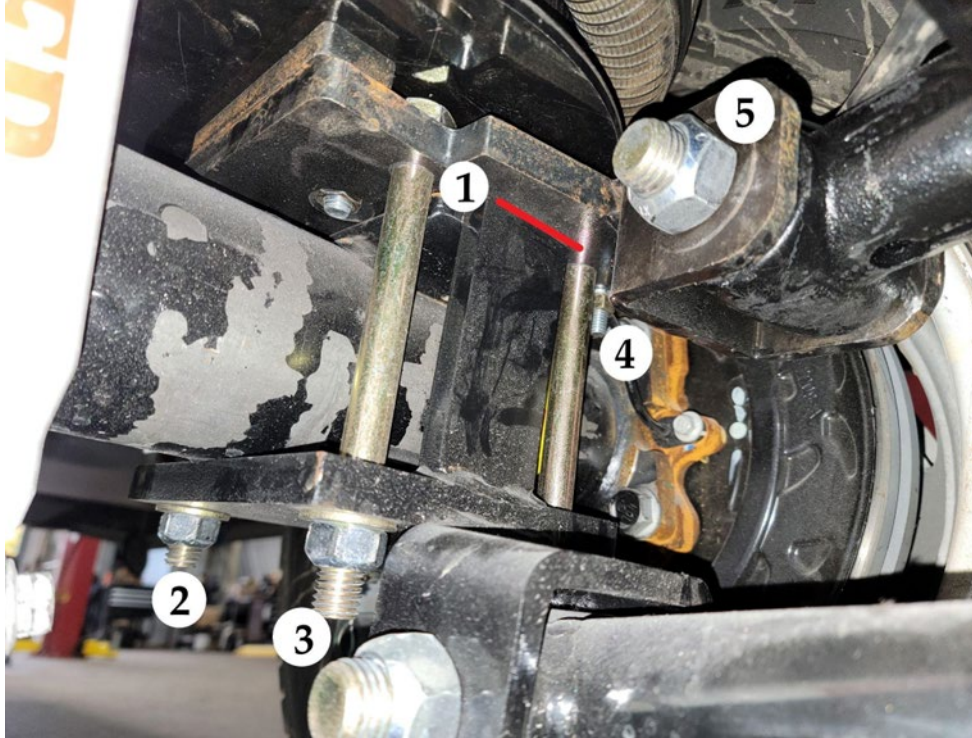


Figure 2 - Driver side Shown

### Step 3 - Add Air Bag Base Plates

- Remove the two 9/16 nuts (No.4 on Figure 2) from the bottom of the top axle tube bracket. (The second nut is on the back side of the axle tube and cannot be seen from Figure 2.)
- Remove the 3/4 Inch nut from the bottom of the air bag that is holding on the lower bag mount.
- Add the included round base plate to the bottom of the air bag, in between the airbag base and the anchor plate and re-install the lower bag mount to the air bag. Base plate shown below
- Do not re-install the lower bag mount yet if there is a gap found in step 2. If no gap, go to step 5.



Note: Base plate, noted by the green arrow, shown on an uninstalled airbag for clarity and positioning. Its not required to remove the air bag for this procedure.



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## Step 4 - Adjustment (if gap found in Step 2, skip if no gap found).

- If you discover a gap on step 2 then you will need to loosen the rear bolts (No. 2 on Figure 2) using a 15/16 socket and wrench.
- Then tighten the front set (No.3 on Figure 2) to 145 lb-ft and ensure the gap is closed.
- Once tight, move to the rear set (No.2 on Figure 2) and tighten to 145 lb-ft.
- Recheck torque on all 8 Nuts and bolts.

## Step 5 - Fasten Lower Bag Mounts

- Once you confirm there is no gap from step 2 re-install the lower bag mount to the top axle tube bracket using the existing 9/16-inch hardware making sure everything is lined up as to not twist the air bag. Tighten to 45 lb-ft.



Figure 3 - Passenger side Shown

## Step 6 - Remove and Replace Torque arms

- Remove leveling valve linkages from both upper torque arms using a 7/16 socket and wrench. Remove both upper torque arms using a 1-5/16 socket and wrench.
- To remove front bolts it may be necessary to slightly bend the bottom of one or both cargo boxes (See figure 3). Using a pry bar or similar tool, carefully pry upward to bend the bottom of the box just enough to get a socket on the bolt. This will be fixed after the arms are replaced.
- Install the new torque arms and torque bolts to 400 lb-ft.

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HiSpec wheels - 140 ft/lbs; identified as using the original black Ford lug nuts.  
Ion wheels - 120 ft/lbs; identified as using conical chrome plated lugs



Figure 4 - Lug Tightening sequence

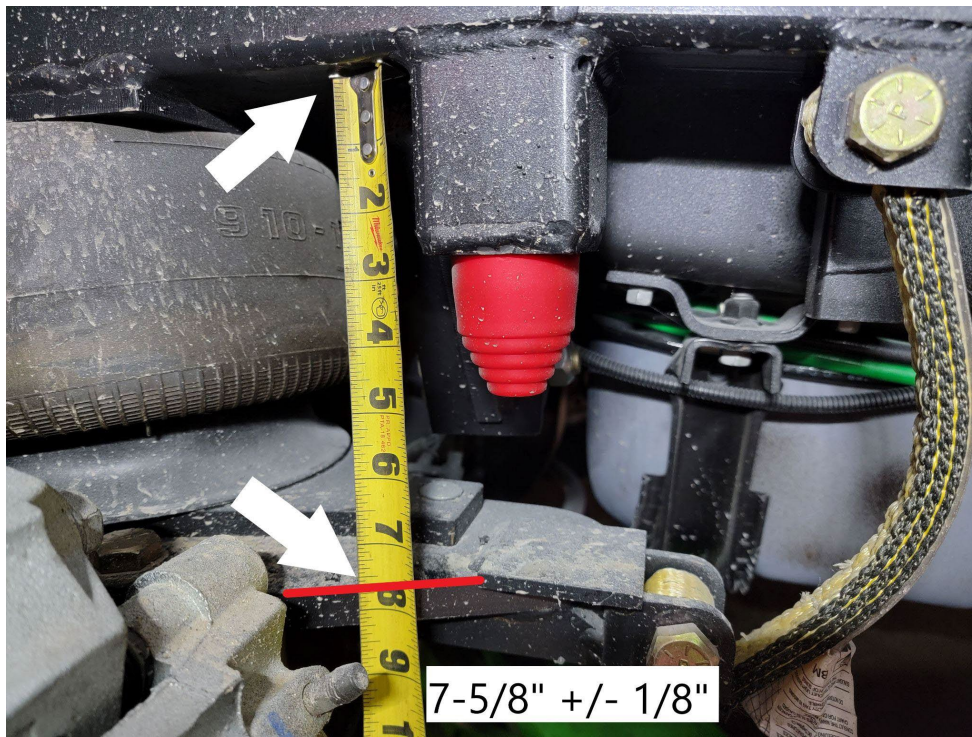


Figure 5 - Driver side Shown



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Figure 6 - Driver side Shown

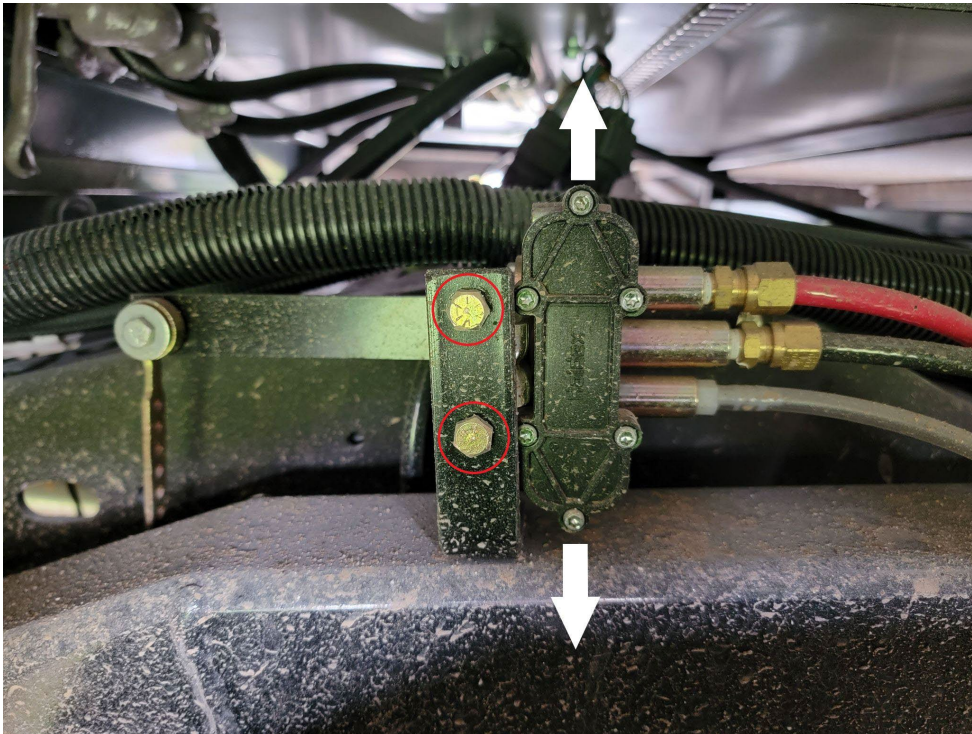


Figure 7 - Driver side Shown



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## Step 7 - Ride Height

- Reinstall wheels and lower vehicle. Torque wheels using proper torque sequence and specification (see figure 4).
- Start the vehicle and allow air compressors to fill the tank.
- Once rear bags are inflated, place jack stands back under the frame as a precaution while checking and adjusting ride height.
- Ride height is measured behind the airbag and just in front of the bump stop. This should measure 7  $\frac{5}{8}$  inch +/-  $\frac{1}{8}$  inch. (See Figure 5)
- If you don't have the correct ride height you will need to adjust the leveling valve adjustable link (See Figure 6). Moving the linkage by 1 hole changes ride height roughly  $\frac{1}{2}$  in. Make the linkage longer to raise the vehicle and shorter to lower the vehicle.
- If you need more precise adjustment, It may be necessary to loosen the 2 bolts holding the leveling valve in place and tip it up or down as needed (See Figure 7).
- Once ride height is achieved ensure everything is tight and take the vehicle on a short drive. This should jounce the suspension and allow everything to rest.
- Re-check Ride height again and adjust if needed.



Figure 8 - Storage Compartment Box Interior



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### Step 8 - Cargo Box Repair

- **Important!** Make sure to correct the bottom of the cargo boxes if you needed to bend them.
- Using a rubber mallet or other non-marring large face hammer, carefully tap the floor of the cargo box back down.
- Then using an extra wide flat chisel punch (or similar), carefully, and lightly, re-create the sharp factory inner edge (See Figure 8).
- Check for leaks along boxes seams to ensure they are watertight. Use black caulk to reseal if needed.

Note: Use caution when tapping against the metal box. It may be possible to break the seal and create a leak.