



INSTALLATION INSTRUCTIONS

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4996

Driveline Alignment Kit 14+ Silverado/Sierra Crew Cab With 153" Wheelbase

Thank you for being selective enough to choose our high quality BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.

- Note: Confirm that all of the hardware listed in the parts list is in the kit. **DO NOT** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation.
- Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.
- Warning:** **DO NOT** drive vehicle until all work has been completed and checked. Torque all hardware to values specified.
- Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!
- Note: It is very helpful to have an assistant available during installation.

RECOMMENDED TOOLS:

- Properly rated floor jack and six (6) support stands
- Wheel chocks
- Metric and SAE Socket Set
- Metric and SAE wrench Set
- Abrasive cutter
- Power drill and drill bit set
- Large C-clamp

1. JACKING, SUPPORTING, AND PREPARING THE VEHICLE

- 4a) Block the front wheels of the vehicle with appropriate wheel chocks. Make sure the vehicle's transmission is in "Park" (automatic) or 1st gear (manual). Activate the parking brake.
- 4b) Lift the rear of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so that the rear tires are approximately 6-8 inches off the ground surface.
- 4c) Support the vehicle using four (4) support stands, rated for the vehicle's weight. The stands should be positioned, two on each of the frame rails, just forward of the front leaf spring hangers and just below the rear leaf spring shackle hangers. Prior to lowering the vehicle onto stands, make sure the supports will securely contact the straight, flat portions of the frame rails.

It is very important that the vehicle is properly supported during this installation to prevent frame damage and personal injury! Make sure that the support stands are properly placed prior to performing the following procedures.

- 4d) Lower the vehicle slowly onto the stands and, before placing the vehicle's weight on them, again check that they properly and securely contact the frame rails as described above. Check for possible interference with any lines, wires, or cables

2. REMOVING CENTER CARRIER BEARING (CCB)

- 2a) Support the center of the driveline near the CCB.
- 2b) Remove the two nuts holding the CCB on to the crossmember
- 2c) Lower the driveline and CCB away from the crossmember to allow room for bracket installation.

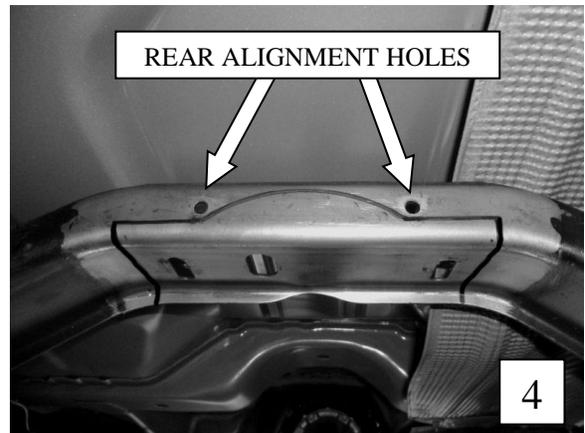
3. BRACKET INSTALLATION

3a) Clean crossmember with solvent to remove factory coating and debris. (Photo 1) **CAUTION: Do not use flammable solvents around sparks or open flames.**



3b) Bolt Belltech CCB bracket on to crossmember (Photo 2) Note: This position is reverse mounted from final position to allow for marking crossmember for cutting.

3c) Scribe the shape of the curved section of the Belltech crossmember bracket on to the crossmember. Using a straight edge, mark the lower side of the crossmember on the outside edge of the vertical portion of the Belltech bracket. (Photo 3). Extend the lines to the rear of the crossmember and connect to line following the curve. See Photo 4 to verify correct cut pattern.



Warning! Check the backside of the crossmember to be sure that all lines, electrical wiring, control cables and other components are cleared from this area to avoid damaging them in the following steps. Be sure to wear proper safety protection when using power tools! **DO NOT** create sparks near flammable or explosive materials. **Due**



to the close proximity of fuel tank to this area, we **DO NOT** recommend using a flame-cutting torch or plasma cutter when performing these operations. Also, excess heat can easily damage the frame and other adjoining components

3d) Cut along marked lines carefully using an abrasive cutting tool. It is very important to the alignment of the bracket that the holes on the rear vertical edge of the factory crossmember are not damaged while cutting along these lines. Debur all cut edges and paint or coat all bare metal to prevent corrosion **(Photo 5)**

3e) Bolt Belltech CCB bracket into position and install included 5/16" Bolts, washers and Nylon Lock Nuts to hold bracket in place. **(Photo 6)**

3f) Ensure the lower legs of the Belltech CCB bracket are seated firmly against the lower diagonal portion of the crossmember. It may be helpful to use clamps to ensure the bracket remains square and secure during drilling. Drill 1/2" holes in the lower side of the crossmember. Use the holes in the Belltech bracket as a template. **(Photo 6)**

3g) Insert the supplied 1/2" bolts, washers and nylon lock nuts to secure the Belltech CCB bracket to the crossmember. Tighten 1/2" bolts to 60 ft./lbs. and 5/16" bolts to 15 ft./lbs.

4. CENTER CARRIER BEARING INSTALLATION

4a) Press the 2 studs out of the CCB assembly using a large C-clamp or other pressing device and remove the retaining spacer.

4b) Install assembly on to Belltech bracket with the retaining spacer above the Belltech CCB bracket. All other components will retain the original configuration. Tighten nuts to factory specifications. **(Photo 7)**

4c) Check for clearances between all installed or modified components and driveline components.

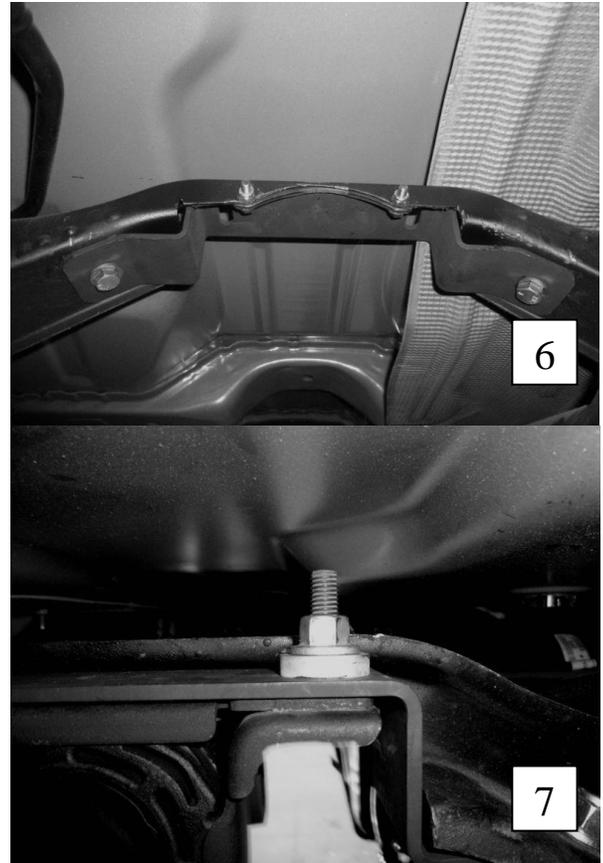
5. FINALIZING THE INSTALLATION

5a) Check that all components have been properly installed, tightened and torqued.

5b) Lift vehicle and remove support stands. Carefully lower vehicle to the ground.

5c) Check vehicle for clearance around all installed and modified parts.

5d) Check all of the hardware and re-torque at intervals for the first 10, 100, and 1000 miles.



Part #	Description	Quantity
6525-065	CCB Bracket	1
110201	Hex Head Cap Screw 5/16"-18 x 1	2

110204	5/16" Flat Washer	4
110203	5/16"-18 Nylon Lock Nut	2
112218	Hex Head Cap Screw 1/2"-20 x 1	2
110660	1/2" Flat Washer	4
110403	1/2"-20 Nylon Lock Nut	2