



Z10-1002 Installation guide

- 1) Properly raise the car to a desired height where you can safely access the undercarriage of the vehicle (jack stands are a must while installing this product).
- 2) After raising the car, begin to remove the factory cross member consisting of 4 bolts applied to the sub-frame, and 2 sets of bolts located on the lower control arms. These bolts hold the factory radius arms on to the lower control arm.
- 3) Remove the factory tow hooks, which consists of 6 bolts.
- 4) Remove the entire radiator mounts (not the whole radiators support) by drilling out the spot welded radiator mounting tabs
*Note- The Z10 cross member will not fit unless if the radiators support tabs are drilled out.
- 5) Remove the rubber bushings that are inserted in the factory radiator support. Take the bushings and insert into the Z10 cross member radiators support locations.
- 6) Lift the Z10 cross member into place in-between the tow hook locations.
- 7) Lightly thread in the 6 bolts that belong in the tow hook location (not tightening them all the way just hand threading the bolts to the holes so that it will hold the cross member).
- 8) Attach the 4 sub-frame bolts supplied, and continue to tighten
- 9) After tightening the 4 sub-frame bolts begin to tighten the 6-tow hook bolts evenly until fully locked.
- 10) Disconnect the axle from the suspension end of the axle. Continue to remove suspension assembly that allow you to access the threads on the lower control arms where the radius arms would bolt up to.
- 11) Check the quality of the threads, if the threads where the radius arms bolt up are rusted or damaged run a M-12x125 tap or thread chaser. If you have neither take the factory bolt and run it through the threads soaked with WD-40 to clear free of rust or debris.
- 12) Install lower control arm bracket with the shorter bolt towards the back of the car and the longer one towards the front. These longer bolts will hold the rod end with the copper insert. Once threaded properly tighten the bolts to 60 ft-lbs or torque. (When doing this step it is also advised to use blue locktite to help maintain security of the bolt).
- 13) Continue to bolt the other rod end in to the Z10 cross member. When bolting the rod end to the cross member remember to keep the rod end in-between the spacers provided, and the washers on the outside of course.
- 14) Insert axle back into proper location in the hub, and reassemble the suspension components that were disassembled in step 10.
- 15) Proper adjustment of radius arms will be pulled forward towards the radiator area of the car.
- 16) Go to local automotive repair facilities that support in house alignments, and get your car properly aligned to factory specifications or desired settings of your choice. (Toe caster settings)

Torque specs- 12mm bolts (lca brackets and sub frame bolts) 70 ft-lbs of torque; tow hook bolts 55 ft-lbs of torque.

For any questions regarding installation of our products you can call us at 732-922-2309, and don't forget to check us out on the web for new products at www.z10eng.com.

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