



## **(Front Bumper) INSTALLATION INSTRUCTIONS** **2011-Current, Nissan NV**

### **Please read before beginning**

- *Stainless steel hardware may bind together when tightening—It is recommended that you apply an anti-seize assembly lubricant to the threads of each bolt before assembly*
- *This installation requires two people*

### **Required tools**

- Standard wrench set
- Leveling tool
- Screwdriver Set
- Cut off wheel
- Chisel and Hammer

### **Included hardware**

- |                                 |    |
|---------------------------------|----|
| • 70036 1/2" x 1.5 Grade 8 Bolt | 6  |
| • 70035 1/2" washers            | 16 |
| • 70034 1/2" nylock nuts        | 8  |
| • 70109 1/2" x 5" Grade 8 Bolt  | 2  |
| • 70092 M12-1.25 Bolts          | 4  |
| • 70106 - Lock Washers          | 4  |
| • Mounting Brackets             |    |

### **Installation Instructions**

1. Begin by unscrewing the plastic inner fender from the bumper. There is a lower piece that is held in with 6 screws through the bottom and back of the plastic piece on each side.
2. Once you have the plastic inner fender removed you will have access to 2 different bumper support bars. One is flat and runs left to right from the frame to the inside of the bumper, and the other is curved and runs from the body mount to the bottom rear corner of the bumper. The long flat support bar is hooked into the frame so you might need to lift up on it before it can be removed.





3. While you are under the vehicle it would be a good time to remove the skid plate. Remove the 7 bolts that hold on the skid plate



4. Once the skid plate is removed you will have access to 2 bolts on each side that hold another bumper support piece to the frame. Remove these 2 bolts from each side.



5. Once the Skid Plate is removed you should be able to unbolt the main bumper structure. There are 3 bolts on each frame rail that are accessed through the front of the bumper. You will see a 4th bolt on each side that does not actually hold the bumper on, but part of the inner bumper structure. You can remove this bolt as well if you would like.





6. Once you have removed these 6 bolts (3 on each side) then you will be able to take the main bumper off. It is a good idea to have a friend help you with this part because the bumper can be heavy and awkward to handle. The main bumper structure is hooked into the frame so you will have to lift up on it before you can slide it off.

7. Once you have the main bumper off you will be left with a crossmember and 2 frame horns which will need to be removed.



8. Take off the 2 bolts holding the cooler lines to the crossmember.

9. You can now remove the 2 frame horns from the crossmember. There are 3 bolts that hold this on and then it lifts right off.



10. You are now left with a crossmember that needs to be removed. There are a couple of very large bolts that hold this crossmember on as well as a weld on the outer side of it. Remove the bolts so that the only thing holding the crossmember on is the weld.





11. You will now need to cut the weld in order to remove the crossmember. Make sure to wear eye protection and be very cautious of sparks igniting things nearby. Slowly work the cutoff wheel up and down along the weld to break the crossmember free.



12. If you are unable to get the cutoff wheel along the entire weld then it may be necessary to break the ends loose with a hammer and chisel.



13. It is now time to install your Aluminess Bumper. Have a friend help you hold the bumper up to the vehicle and line it up with the frame. Use the provided half inch bolt to go through the side plate of the bumper and through the large hole in the side of the frame.
14. Use factory hardware to go through the other 2 holes in the side plate of the bumper and into the frame.
15. For additional strength Aluminess has provided a steel bracket that mounts to the bottom of the frame and the side of your bumper. Use the provided metric hardware to mount the bracket to the underside of the frame.
16. Use the provided 1/2" bolts to mount the angle to the side of the bumper.





17. The second piece of angle mounts to the outside of the frame and uses the the front lower frame bolt and the large frame bolt that goes horizontally through the bumper to mount. It also uses a 1/2" bolt through the first angle bracket.



18. Once everything looks good and level you can tighten all of your hardware.