



## **CalOffroad CV's and Axles for Nissan**

### **Notes on Installation.**

Thank you for your purchase of **CalOffroad** products.

**CalOffroad** Nissan CV's and Axles have been produced to be many times stronger than the standard Nissan CV's and Axles and are a completely redesigned CV joint and axle system.

### **Thrust Block:**

A thrust block must be installed for use with CalOffroad CV's and Axles.  
Use without a thrust block will void any warranty.

If installing in an older type locker that still has the thrust block installed you may need to trim end of axle, as the axles may be too long to fit with the thrust block, depending on the block size. (If you trim the axle you can do so with a thin cutting disk on grinder but must keep the axle cool as you do it.)

If installing in a newer style locker it may or may not have a thrust block, if it doesn't, one can easily be purchased

Having a thrust block in place is recommended to stop axle float under extreme load.

Most modern lockers do not have a thrust block installed but one can usually be purchased from the locker manufacturer and we highly recommend that it be used with **CalOffroad** CVs and Axles.

Warranty will be void if used without a centre thrust block.

### **Circlip engagement:**

It is important to check that the CV joint cannot be pulled off the axle to ensure the C clip is fastened properly, as this clip can be disturbed during shipping.

The CV should have some end float on the axle.

The way to tell if the C Clip is properly engaged is to make sure when you try to push and pull the CV on and off the axle, that it floats approximately 1mm in and out in either direction. This will indicate that the clip is engaged.

If there is no movement it has hydraulic locked on with the grease or the clip is not engaged properly.

Once the clip is engaged try to pull CV off axle and hit with rubber mallet to attempt to remove.

If CV stays on then check for end float again and install in vehicle.

### **Thrust Washer:**

It is also important that the original (OE) bronze thrust washer is installed on the CV stub shaft and is facing the correct direction as per Nissan fitting instructions.

## **PLEASE NOTE:**

We do not suggest that anything is unbreakable.

**CalOffroad** obviously has no control on the way you will use these products or on the extra forces you will apply, especially due to larger tyre sizes, sticky compounds, gear reduction and horsepower changes.

Whilst these CV's and Axles are many times stronger than standard, it may be possible to break parts of these joints or apply extra stress to other parts of your vehicle due to the extra strength of these joints.

Driver awareness should prevail.

We have received great stories from customers using these CV's and Axles all over the world telling how strong they have proven to be.

We hope you enjoy them as much as others are.

**CalOffroad** Team.

### **For further Assistance:**

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