



## **Z1 VQ35DE Plenum Spacer Installation Guide**

### **Required for installation:**

- 10 mm Deep Well Socket**
- 14 mm Deep Well Socket**
- 3/8" Drive Ratchet**
- 3/8" Drive Socket Extensions (Various Lengths)**

### **Parts List:**

- Z1 Motorsports Plenum Spacer (1)**
- OEM Plenum Gasket (1)**
- M6 x 70 mm Bolts (3)**
- M6 x 40 mm Bolts (8)**
- Washers w/ bonded seals (6)**
- Standard Washers (8)**
- Large OD Washers for strut bar (12)**

**STEP 1:**

Remove nuts and bolts that mount the strut tower brace to the car.

Remove the strut tower brace.

**STEP 2:**

Remove nuts and bolts and mount the engine cover.

Remove Engine Cover.

**STEP 3:**

Remove all bolts from the plenum as shown on the diagram below.

Carefully lift the plenum upwards. It is not necessary to remove it completely. You may need assistance here in holding the plenum while inserting the plenum spacer.

**STEP 4:**

Position the Z1 Motorsports plenum spacer on top of the lower plenum, making sure that the OEM gasket is properly positioned below the spacer.

Be sure that the thicker side of the plenum spacer faces the front of the vehicle.

**STEP 5:**

Place the new plenum gasket on top of the plenum spacer, making sure that it is properly aligned.

Lower the plenum back into position being sure that your gaskets remain aligned and do not slip out of position.

**STEP 6:**

Be sure to hand start all bolts and insure that they do not cross thread.

Replace Bolts 1, 3, & 6 with the supplied **M6 X 70MM** Bolts using the supplied **Washers w/ bonded seals**.

Reuse the factory bolts from holes 1, 3, & 6 in bolt holes 2, 5, & 4 using supplied **Washers w/ bonded seals**.

For bolts 7, 10, 11, 13, 16, & 18 please use the supplied **M6 x 40MM** bolts.

For bolts 8, 14, & 15 reuse OEM M6 x 25MM bolts

For bolt 9 reuse the original OEM bolt.

Studs 12 & 17 can be removed or left installed. They will no longer be used.

Tighten all bolts to 44-61 INCH lbs. Be careful not to over-tighten.

**STEP 7:**

Replace engine cover using OEM fasteners.

**STEP 8:**

Reposition your strut bar to check for clearance.

Add the supplied **Large OD Washers** between the strut bar and its mount to gain the needed clearance.

Reinstall the OEM strut tower brace fasteners, finger tighten the bolts to insure that they are not cross threaded before tightening down.

You may have to loosen the center bolt of the strut bar or adjust the length of the strut bar to gain proper clearance.

