



LG CORVETTE SPINDLE DUCT KIT



Tools Needed:

1. T55 Torx bit
2. 19mm socket for wheel lugs
3. 21mm wrench
4. 6mm allen wrench
5. Red Loctite

Optional

1. Upgraded high temp orange hose
2. DRM duct kit for C5
3. LG Inner duct kit for C6/C6Z

Parts Inventory:

1. Driver side duct
2. Passenger side duct
3. 3 feet of matching hose, black

Instructions:

Removal:

Start by supporting the car on a lift, or 4 jack stands on a level surface. Start by removing the front wheels, calipers, and rotors.

At this point you will need to start by loosening the lower ball joint loose at the 21mm nut. Sometimes it is needed to hold the joint from turning by holding the center with the 6mm allen wrench. Before separating the ball joint from the upright, loosen the three bolts holding onto the wheel bearing. Separate the lower ball joint from the lower control arm and remove the remainder of the wheel bearing bolts and remove the bearing assembly and wheel speed wire bracket from the upright.

Clean any dirt, rubber, or grease from the upright. Inspect the wheel bearing for any play, movement, leaks, or 'gravel' feel when turning. If any of these signs are apparent now would be a good time for replacing the bearing.

NOTE PICTURES BELOW ARE SHOWN OFF CAR FOR CLARITY.

Start by placing spindle duct plate over wheel bearing as shown in figure 1a. The hose inlet should be facing away from the wheel studs and will locate just above the steering tie rod on the upright as shown in figure 1b. Figures 1a and 1b layout the assembly for the driver's side of the car.

Figure 1a and 1b:



Figure 2a and 2b:



Before installing the bolts holding the assembly together you should apply a small amount of red loctite to the bolts and torque to manufacturer specification of 96 ft-lbs. At this time you should re-assemble the suspension as it was removed from the car.

Optional DRM ducts for C5 cars should be installed per DRM's instructions and the hose supplied to connect the two. C6 and C6 Z06 cars will install the LG duct as a direct replacement of the factory unit. Hose should be installed with wheel turned all the way out for maximum length measurement. Rotate hose so that it will fold inwards, away from the wheel. Secure hose with 1/8" rivets or hose clamps.

I thank you for choosing LG Motorsports and know that you, and your brakes, will enjoy your new found cooling from the LG cooling ducts

Sergio De La Torre
President LG Motorsports



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