

## INSTALLATION INSTRUCTIONS

Thank you for purchasing genuine Design Engineering, Inc. products. Be sure to always wear the proper safety equipment when installing any DEI product. Design Engineering Inc. WILL NOT BE HELD LIABLE FOR IMPROPER INSTALLATION OR USE OF THIS PRODUCT. Please follow all instructions provided. If you are unsure of any installation procedure, please contact a certified technician.

**DESCRIPTION:** Titanium Catalytic Converter Shield

**PART NUMBER:** 10069

**APPLICATION:** 2015 - 16 Corvette Z06

**KIT CONTENTS:**

Titanium Catalytic Converter Shield	QTY 1
Stainless Steel Locking Ties 20"	QTY 4
Locking Tie Tool	QTY 1

**TOOLS NEEDED:**

1/4" driver or ratchet to install locking ties  
Snips or scissors for trimming locking ties

**OVERVIEW:** When Driven at a moderate to hard pace the New Corvettes can over heat the engine oil causing the ECM to reduce power. DEI has come up with a simple but effective solution. Chevrolet located the engine oil cooler and oil filter close to the driver side Catalytic converter. This causes thermal heat transfer that raises the oil temperature about the safe operating limit. By installing our converter heat shield we can block this heat transfer from happening and preventing the oil temperature for rising.



**Kit Contents**



**Fig. 1**

1. Lift car according to manufacture instructions.
2. Let car cool before working on or around the exhaust system.
3. Locate the driver side Catalytic Converter. The converter is located at the rear of the engine on the driver side.
4. Preinstall the provided stainless locking ties through the slits in the standoffs. **Fig. 1**
5. Position your new Design Engineering Catalytic converter shield around the converter with the shield between the oil cooler and converter. **Fig. 2**
6. You will have a gap where the converter is not covered. This gap faces away from the oil cooler and oil filter.
7. Slide the ends of the Stainless locking ties through the locking mechanism on the other side of the tie and pull snug but do not tighten at this time. **Fig. 3**

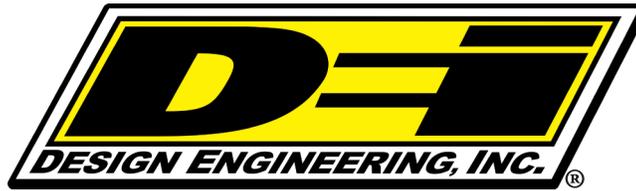


Fig. 2



Fig. 3



Fig. 4

8. Rotate the shield so that the open end faces away from the oil cooler and oil filter. Once in position used the provided tool to tighten the stainless locking ties. **Fig. 4**  
(See locking tie tool instructions below)
9. Once tightened the installation is complete. **Fig. 5**
10. Lower the car per the manufactures instructions.
11. You may get some smoke and odor on first start up. These are oils and contamination burning off the shield and is normal. It will stop after a short drive.

#### LOCKING TIE TOOL INSTRUCTIONS Fig. 4

1. Begin initially tightening the tie using hands or pliers. Be careful as the sides and ends of the metal ties can be sharp.
2. Insert the slotted tool on the tie just after the clasp.
3. Twist the tie away from the locking clasp.
4. Remove Locking Tie tool.
5. Trim excess tie with cutters, fold under, and crimp.

**PRO TIP:** DEI recommends using a 1/4" hand driver because of better torque control and a reduced risk of over tightening. However, a ratcheting socket driver will also work with this tool.



Finished Installation