

2010-2015 Chevrolet Camaro  
2009-2015 Cadillac CTS-V  
Clutch Pedal Return Spring Kit



PN: L360091410

## Parts List

### Clutch Return Spring and Bracket kit

#	Description	Part number
1	Camaro/CTS-V clutch return spring bracket, stainless	XX03953-0002
1	Return spring, stainless w. sleeve	PAC-SSD-036
1	Set screw, 1/4-20x5/8	90289A539
1	1/4-20 spin lock nut	34292
1	LPE 9" decal	L920010000
1	Instructions	N/A

### Tools & Materials Required

- Pry tool (or flathead screwdriver)
- Drill (CTS-V only)
- 1/8" drill bit (CTS-V only)
- Flashlight or worklight
- 1/8" hex key
- 7/16" wrench or socket
- Ratchet
- Torque wrench

### Optional Items

#	Part number	Description
1	L360020105	LPE 6 bolt LS9 twin disk clutch kit
1	L360100105	LPE 6 bolt high clamp load LS9 twin disk clutch kit
1	L360031410	Camaro SS clutch spacer
1	L820021410	LPE 2010-2013 Camaro SS MT pedal cover set
1	L820011410	LPE 2012-2013 Camaro SS MT wide pedal cover set
1	L820120709	LPE 2009-2013 CTS-V MT pedal cover set
1	L820090704	LPE 2009-2013 CTS-V MT wide pedal cover kit

**Read the entire instruction manual before beginning installation. Some stock parts will be used in reassembly.**

**When referencing the side of the vehicle, the driver side of the vehicle is considered the left side and the passenger side of the vehicle is considered the right side of the vehicle. Multiple vehicles may be used for these installation instructions; however, the process remains the same for these applications.**

**The LPE clutch pedal return spring kit is designed to solve the problem of the clutch pedal not returning under some high RPM shift conditions. The kit may also speed up the application of the clutch after the pedal is released, reducing potential clutch slip and heat generation on the shifts. A similar kit is also available for the C5 & C6 Corvette.**

**For the 5th Gen Camaro (2010-2015) installation instructions, see step 1 on page 2.**

**For the Cadillac CTS-V (2009-2015) installation instructions, see step 8 on page 4.**

## 2010-2015 Camaro Instructions

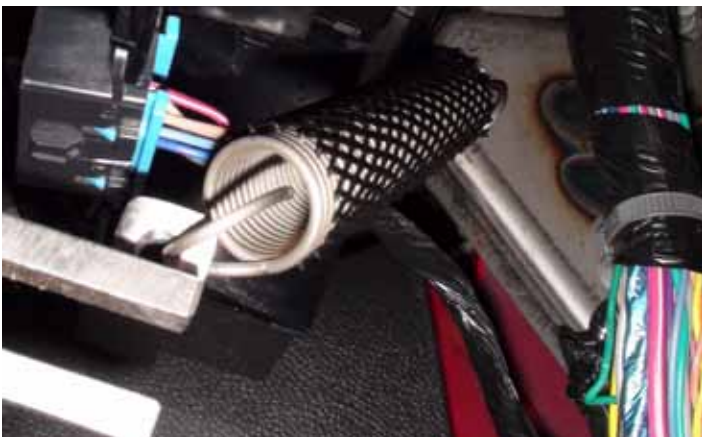
**Note:** The 2012-2015 ZL1 Camaro already comes equipped with a clutch return spring that is similar to our product. This would not be considered an upgrade.



1. Locate the hole behind the Diagnostic Link Connector (DLC) OBD-II port in the driver footwell under the dash.



2. One side of the spring has a longer loop on it than the other. Insert the free end of the spring with the longer loop into the supplied bracket.



3. Insert the remaining free end of the spring with the shorter loop into the hole in the bracket on the vehicle and make sure that it is hooked around the hole.



4. Pull the bracket and hook it around the clutch pedal as shown.



5. Insert the set screw and, using a 1/8" hex key, tighten down the set screw to secure the clutch return spring bracket to the clutch pedal.



6. Install the nut on the end of the set screw and, using a 7/16" socket and torque wrench, torque the nut to 89 in-lb.

7. **The installation of the clutch return spring kit is now complete on your Camaro. After driving the vehicle for a while LPE recommends checking the fasteners to make sure the bracket is still secured to the pedal assembly.**

## 2009-2015 Cadillac CTS-V Instructions



8. One side of the spring has a longer loop on it than the other. Insert the free end of the spring with the longer loop into the supplied bracket.



9. Remove the two (2) screws located on the right side of the Diagnostic Link Connector (DLC) OBD-II in the driver footwell under the dash.



10. Remove the screw located on the left side of the DLC OBD-II in the driver footwell under the dash.

NOTE: OBD-II port shown with Lingenfelter optional "do not recalibrate" sticker (part # L450110095).





11. Gently pull down on the kick panel until it is hanging freely to give you access to the location that needs to be drilled.



12. Mark a spot 1/4" to the left of the edge of the DLC OBD-II. Using a 1/8" drill bit, drill a hole through the aluminum frame. Insert the free end of the spring into that hole as indicated.



13. Hook the clutch return spring bracket around the top of the clutch pedal just below the factory (yellow) over center spring.



14. Insert the set screw and, using a 1/8" hex key, tighten down the set screw to secure the clutch return spring bracket to the clutch pedal.

NOTE: Camaro pedal pictured.



15. Install the nut on the end of the set screw and, using a 7/16" socket and torque wrench, torque the nut to 89 in-lb. Make sure that the clutch spring bracket does not interfere with the factory over center spring.

NOTE: Camaro pedal pictured.



16. Re-install the two (2) screws located on the right side of the (DLC) OBD-II in the driver footwell under the dash.



17. Re-install the screw located on the left side of the DLC OBD-II in the driver footwell under the dash.

18. The installation of the clutch return spring kit is now complete on your CTS-V. After driving the vehicle for a while LPE recommends checking the fasteners to make sure the bracket is still secured to the pedal assembly.

For additional product installation information and technical support, contact LPE or your LPE products distributor. You can also find technical support and usage discussions regarding this product and many other LPE products in our Internet forums:

<http://www.lingenfelter.com/LPEforumfiles>

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