



INSTALLATION GUIDE

PART NUMBER: 6545 / 6546

FLIP KIT

GM COLORADO / CANYON 2WD / 4WD | 2015-2017
GM COLORADO / CANYON 2WD / 4WD | 2018-2020

****OEM EXHAUST MODIFICATION REQUIRED****

300 W. PONTIAC WAY. CLOVIS, CA 93612
PHONE: 800-445-3767 | EMAIL: INFO@BELLTECH.COM

THANK YOU

Thank you for choosing our high quality Belltech product. We have spent a great deal of time developing our line of products so that you will receive maximum performance with minimal difficulty during installation. Soon your vehicle will be on the road looking and feeling much improved.

Please take a moment to read all instructions and warnings prior to the installation of your new Belltech product and before operating your vehicle. For any questions or concerns regarding the steps in the installation process, please do not hesitate to call or email our customer support team who are trained to help you through any portion of this process.

Before You Begin:

It is of the utmost importance that you confirm all of the components listed on the parts list is in the kit. You can find this list located on the last page(s) of your instructions. Do not begin installation if any part is missing. Instead, please call our Belltech customer service specialists.

Belltech Customer Support:

Phone: 1-800-445-3767

Email: info@belltech.com

Safety Information:

Warning: Do not work under a vehicle supported only by a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

Proper use of safety equipment and eye/face/hand protection is absolutely necessary when performing any of the following instructions.

We strive for an exceptional experience for all our valued customers. If for any reason you need assistance with your Belltech products, please do not return the product to the store you purchased from, but rather call our dedicated customer service experts, from 7am to 5pm PST.

We recommend that a qualified mechanic, at a properly equipped facility, perform this installation.

It is very helpful to have an assistant available during installation.

Before Driving Your Vehicle:

It is important to double check all brake hoses, cables, and other components to be sure there is no interference. You must also check for wheel/tire to chassis/body interference. If any issues are found, review your installation instructions to be sure no steps were missed and any problems are corrected.

Make sure your vehicle is aligned immediately following installation.

Check all hardware and torque at intervals for the first 10, 100, and 1000 miles.

Some of Belltech's products are designed to improve your vehicle's off-road performance. Leveling/lifting your vehicle may result in an altered center of gravity. It is crucial to use extreme care when operating your vehicle to prevent rollover and/or loss of control.

Any changes in your vehicle's suspension may result in transformed handleability. Please test-drive your vehicle in a remote location so you can become accustomed to the revised driving characteristics.

Perform headlight check and adjustment.

Failure to drive any modified vehicle in a safe manner may result in harm or death.

Never operate your modified vehicle under the influence of drugs, alcohol, or lack of adequate sleep.

Always wear your seatbelt.



DIFFICULTY:



INSTALLATION TIME: 3-4 Hours

RECOMMENDED TOOLS:

- Properly rated floor jack
- Six support stands
- Wheel chocks
- Wrench set
- Socket wrench set
- Grinder with abrasive cut-off wheel
- Pry bar
- Safety glasses
- Marking pen
- Torque wrench up to 150 ft lbs.

JACKING, SUPPORTING, AND PREPARING THE VEHICLE

1. Park your vehicle on a smooth, level, concrete or seasoned asphalt surface.
2. Block the front wheels of the vehicle using wheel chocks. Make sure the vehicle's transmission is in "PARK" (automatic) or 1st gear (manual).
3. Activate the parking brake.
4. Break loose, but do not spin the wheel lug nuts to ease in removal when the wheels are in the air.
5. Lift the rear of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so the rear tires are approximately 6-8 inches off the ground.
6. Place support stands rated for the vehicles weight. The stands should be positioned, two on each of the frame rails, just forward of the front leaf spring hangers and just below the rear leaf spring shackle hangers. Prior to lowering the vehicle onto stands, make sure the support stands will contact the chassis. It is very important that the vehicle is properly supported to prevent any harm to oneself or to the vehicle.
7. Place a support stand under each side of the axle to support the weight of the axle. Make sure these are only supporting the weight of the axle; allowing the other four support stands to support the frame.
8. Lower the vehicle slowly onto the stands.
9. Remove the rear wheels.



Technician reminder:

Never work under a vehicle supported only by a jack. It is necessary to place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

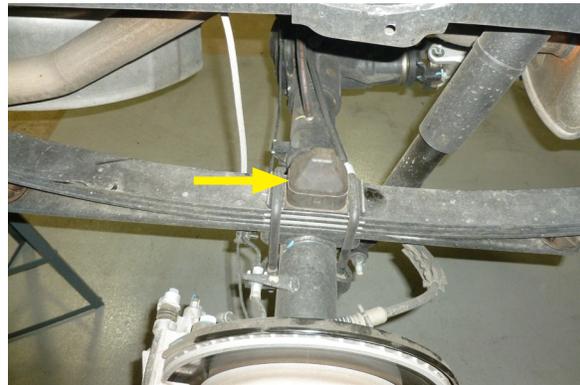
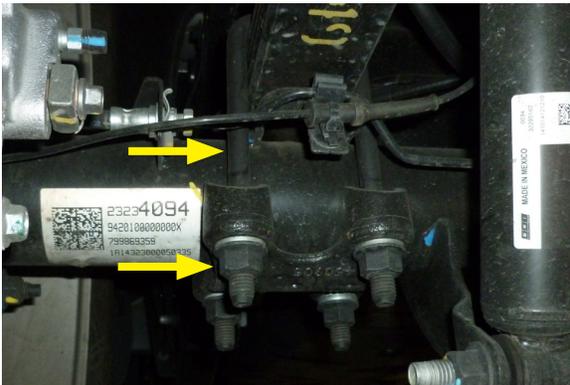
REAR SUSPENSION REMOVAL



Technician warning:

Leaf springs may be under tension. Springs under tension store a great amount of energy. Use caution during the following steps to avoid personal injury and/or damage to the vehicle. Ensure not to damage the brake hoses and/or driveline components while relocating the rear axle assembly.

10. Remove the 21mm upper and lower nuts and bolts from the rear shocks to detach them from the vehicle.
11. Support the center of the rear axle with a floor jack to raise and lower it. Also support the rear axle near the rear U-joint to keep the axle from rotating once unbolted.
12. Remove the 21mm nuts at the U-bolts to remove the lower spring anchor plate, U-bolts, and OEM bump stop.



13. Mark the leaf springs "Left", "Right", and "Forward" to ensure the springs are installed in the original positions after removal.
14. Loosen the front spring hanger 21mm nut. Back the bolt out sufficiently to expose the bolt shank. Due to the fuel tank and exhaust locations, both front spring hanger bolts need to be cut off to remove them. Cut off the head of the bolts, ensure caution not to damage the fuel tank, exhaust, or frame.



REAR SUSPENSION REMOVAL CONTINUED

15. Remove the 21mm upper shackle bolts to detach both leaf springs from under the vehicle. It may be necessary to lower the axle before they can be removed. Ensure not damage the brake or ABS lines during removal.
16. Remove and reverse the direction of the center bolts on the leaf springs. The thin metal piece on top of the leaf spring can be discarded. Tighten the center bolts using pliers to hold the round head of the bolt.



Technician reminder:

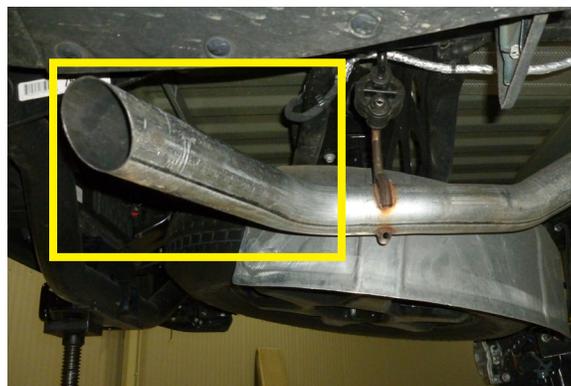
The leaf spring pack may be under tension. Use C-clamps to hold the spring pack together during the reversal the center bolt.



17. Detach the OEM shackles from the leaf springs. Take note the direction of the bolt head on the shackles as the bolts will need to be installed in the same direction.

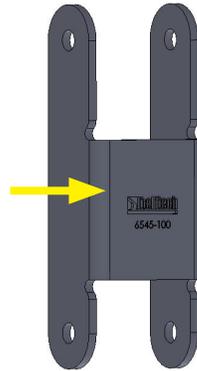


18. The OEM exhaust tip, originally routed under the leaf spring, must be modified and rerouted or shortened to allow clearance below the new leaf spring position. Use an abrasive cutting tool cut off the section shown in the image below.

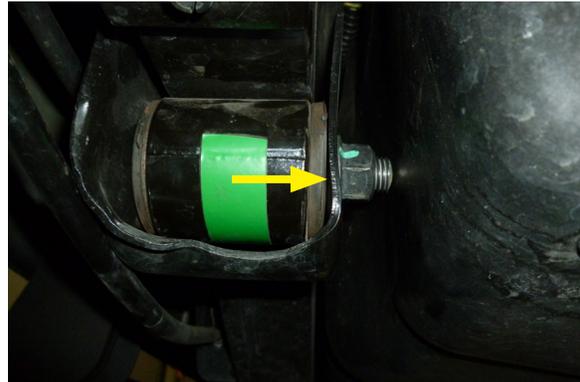


BELLTECH FLIP KIT INSTALLATION

19. Attach the new Belltech shackles onto the leaf springs with the original nuts and bolts. The shackles must be installed with the connecting plate facing the rear of the vehicle and the Belltech logo right side up. Do not torque the shackle in place yet as it will be tightened after the vehicle has been set down.



20. Use the floor jack to raise the axle upward into so the springs may pass under the axle and to attach onto the frame.
21. Begin with the passenger side. Place the leaf spring into the front spring hanger and fasten with the supplied M16-2.0 x 100mm bolt, 5/8" washers, and M16 Nylock nut. Insert the hardware in from the opposite direction as OEM, from the outside, in toward the center of the vehicle.

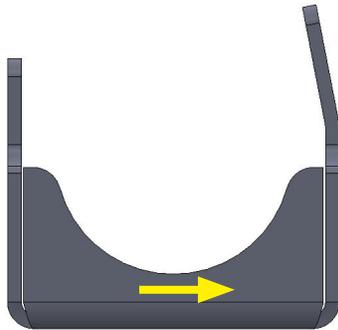


22. Lift the rear of the spring to the frame and position the upper shackle bolt hole over the rear hanger and fasten with the original nut and bolt. Torque the front spring hanger bolt to 95 ft lbs., however, leave the rear shackle bolts loose, they will be tightened after the vehicle has been set down. Repeat this process on the driver side leaf spring.



BELLTECH FLIP KIT INSTALLATION CONTINUED

23. Place the two axle saddles on the leaf springs. The saddle must be placed on the leaf spring with the taller tab toward the rear of the vehicle.



24. Use the floor jack to lower the axle into the saddles. Ensure the front and rear tabs of the saddle are positioned up inside the axle spring mount.



Technician warning:

The axle saddles are designed to properly position the rear axle pinion shaft relative to the driveline to eliminate vibration. If driveline vibration is experienced, take the vehicle to a driveline service shop immediately for angle inspection and the necessary adjustments. DO NOT drive the vehicle if it exhibits extreme driveline vibration as U-joint wear could occur. Ensure the U-joints are lubricated if deemed necessary.

25. Place the new Belltech bump stop assembly centered on top of the axle spring mount and fasten with the supplied U-bolts and U-bolt plates onto the axle with the 9/16" washers and nuts. Loosely thread all the hardware in place first then torque the U-bolt nuts to 100 ft lbs.

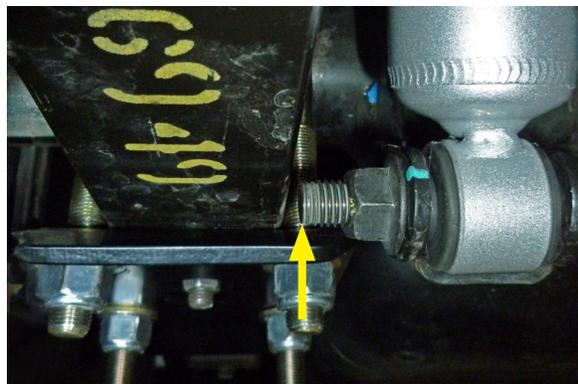


26. Attach the shocks to the upper and lower mounts using the original nuts and bolts. The shoulder at the end of each lower shock bolt may need to be trimmed to avoid contact with the leaf spring. Torque the upper shock bolts to 85 ft lbs. and the lower bolts to 118 ft lbs.



Technician note:

The original shock length is too long and will not allow enough travel for the new lowered height. We recommend using Belltech Street Performance shock #2209FF or Belltech Nitro Drop 2 shock #8510 for best performance.

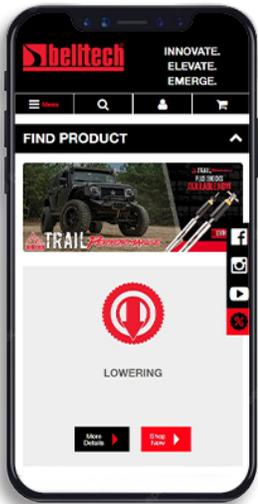


FINALIZING THE INSTALLATION

27. Mount the wheels and tighten the lug nuts.
28. Lift the vehicle and remove the support stands.
29. Carefully lower the vehicle onto the flat ground.
30. Torque the lug nuts to 140 ft lbs.
31. Torque the four shackle bolts to 118 ft lbs.
32. Check that all other components and fasteners have been properly installed and torqued.
33. Read and perform all tasks in the “Before Driving Your Vehicle” section of page 1 of your instructions.

THANK YOU FOR CHOOSING BELLTECH.

You are now a part of the Belltech family and we are eager to catch a glimpse of your newly modified vehicle. Give us a shout out and let us know how much you love our product. Don't forget, we offer other Belltech related merchandise for you and your vehicle on our website www.belltech.com



belltechsuspension



Belltech Suspension



@belltechsuspension

If you have any questions, concerns, or warranty related issues regarding your Belltech product, please call or email our experienced customer service specialists.

Belltech Customer Support:

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Email: info@belltech.com

KIT CONTENTS (6545)



FLIP KIT		
Part number	Description	Qty
6545-100-99	POWDER COATED SHACKLE	2
6545-001-99	AXLE SADDLE	2
6545-200	BUMP STOP ASSEMBLY	2
6545-010-99	U-BOLT PLATE	2
11U1007-955	U-BOLT	4
6545-777	HARDWARE KIT	1

HARDWARE KIT		
Part number	Description	Qty
110216	M16-2.0 NYLOC NUT	2
110455	9/16"-18 NYLOC NUT	8
110502	5/8" WASHER	4
110670	9/16" WASHER	8
112125	M16-2.0 X 110MM BOLT	2

KIT CONTENTS (6546)



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6545-100-99	POWDER COATED SHACKLE	2
6545-001-99	AXLE SADDLE	2
6545-200	BUMP STOP ASSEMBLY	2
6546-010-99	U-BOLT PLATE	2
11U1010-955	U-BOLT	4
6545-777	HARDWARE KIT	1

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