

CONVERSION KIT INSTRUCTION SHEET

Conversion Kit for replacement of Front Strut and Rear Air Shock (magnetic ride control) on:

2014-2018 Chevrolet Silverado 1500 High Country
2014-2018 GMC Sierra 1500 Denali

- Read this instruction sheet and any instructions printed on the parts package carefully **PRIOR** to removing the components from the vehicle.
- Part number on shock or spring may differ from part number on carton, the contents are correct for the vehicle.
- For questions or concerns, contact the Gurus On Call at 1-800-325-8886.

WARNING!

- If the shocks supplied are nitrogen gas pressurized, do not heat or open.
- Always wear safety glasses for eye protection.
- Use safety stands whenever a procedure requires you to be under a vehicle.
- Before servicing any electrical component ensure the ignition is off, the key is out of the ignition, and the negative lead is disconnected from the battery. Refer to the owner's manual for the correct procedure.

CONVERSION KIT INFORMATION:

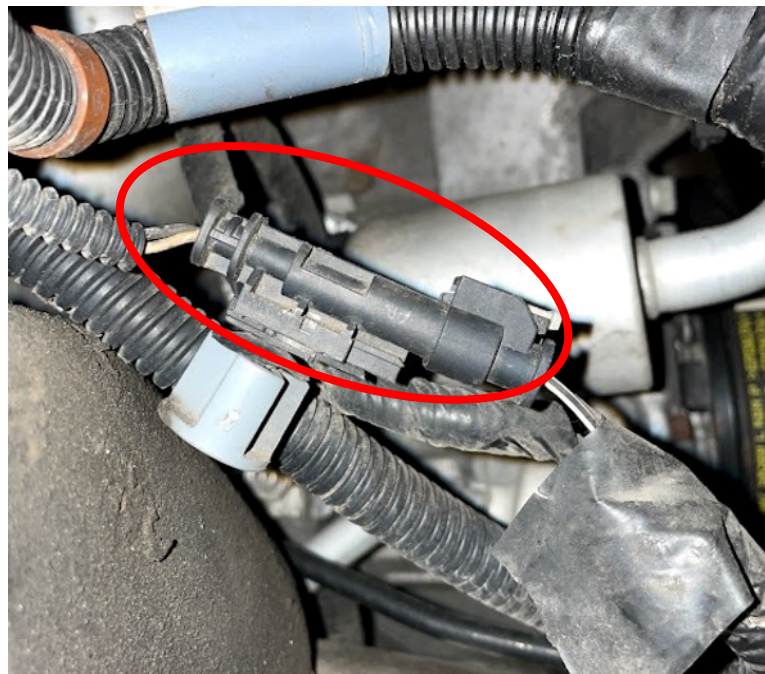
This kit replaces the front magnetic ride control struts and rear magnetic ride control shocks on the vehicles listed above. Replacing them with front passive strut assemblies and rear conventional shock absorbers. The kit also contains four shock actuator simulators for the magnetic ride control system.

KIT CONTAINS:

- Two front strut assemblies
- Two rear shock absorbers
- Four shock actuator simulators
- Zip ties
- Instruction sheet

FRONT STRUT ASSEMBLY, REMOVAL & INSTALLATION PROCEDURE:

1. Raise vehicle by frame at proper lift points and make sure the vehicle is properly supported. Refer to owner's manual for the correct lifting procedure.
2. Remove wheels.
3. Remove wheel housing splash shield.
4. Support the front lower control arm.
5. Disconnect the electrical connector from the strut assembly. Shown in photo below.



6. Remove lower strut assembly mounting bolts.
7. Remove three upper strut assembly mounting nuts.
8. Carefully remove strut assembly from vehicle. **NOTE:** Retain strut assembly. Electrical connector will be needed for a later step.
9. Install the new strut assembly.
10. Install the three upper strut assembly mounting nuts. Hand tighten only.
11. Install the lower strut assembly mounting bolts. Hand tighten only.
12. Repeat steps 3-11 for opposite side of vehicle.

REAR AIR SHOCK ABSORBER REMOVAL PROCEDURE:

13. Support the rear axle assembly with the proper jack stand. Refer to owner's manual for proper lifting procedure.

14. Disconnect the electronic suspension control connector. Shown in photo below.



15. Remove lower shock bolt and nut. Save hardware for reuse.

16. Remove the upper shock absorber bolt and nut. Save hardware for reuse.

17. Remove shock absorber from vehicle. **NOTE:** Retain shock absorber. Electrical connector will be needed for a later step.

18. Repeat steps 14-17 for opposite side of vehicle.

REAR SHOCK ABSORBER INSTALLATION PROCEDURE:

19. Position the shock absorber and install the upper shock absorber bolt and nut. Hand tighten only.

20. Repeat for opposite side of vehicle.

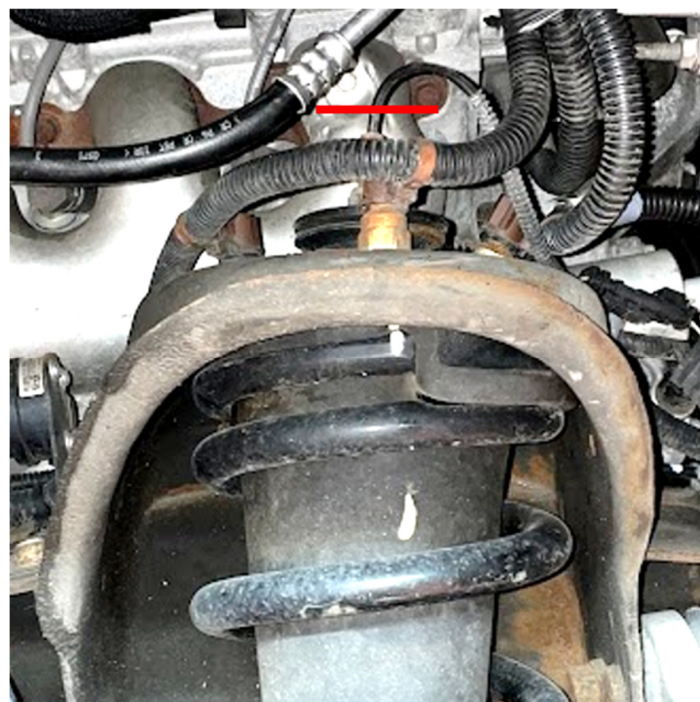
21. Raise the rear axle so that the lower shock absorber bolts and nuts can be installed.

22. Install lower shock absorber bolts and nuts on both shock absorbers. Hand tighten only.

23. Carefully remove the jack stand supporting the rear axle.

MAGNETIC RIDE CONTROL DAMPER ACTUATOR BYPASS, SIMULATOR INSTALLATION PROCEDURE:

24. Cut front strut electrical plug wires on both OE strut assemblies that were previously removed from the vehicle. Cut at red line shown in the photo below. Retain plugs and properly dispose of struts.



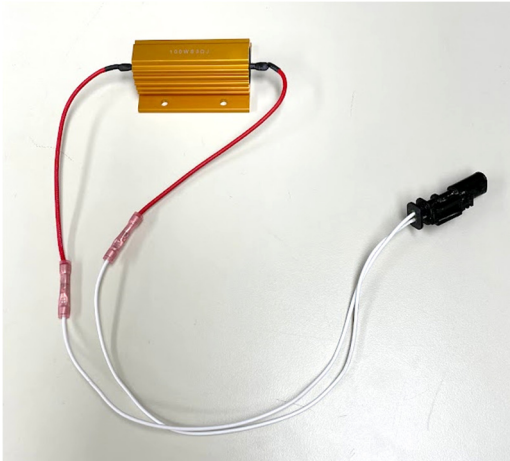
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25. Cut rear air shock electrical plug wires on both OE shocks that were previously removed from the vehicle. Cut at red line shown in the photo below. Retain plugs and properly dispose of shocks.



26. Strip the wires that were cut from the struts/shocks back approximately 3/16". This will expose two wires.

27. Using the butt connectors provided in the kit, install and crimp one of the wires from the vehicle plug and one of the wires from the provided shock simulator. Repeat for other wire on vehicle plug and shock simulator. Each wire should now be separated to not allow cross connection. See photo below. **Note:** Electrical plug may not look the same. Photo is for representation only.



28. Using the zip ties provided in the kit, secure the shock simulator to the vehicle.

29. Repeat steps 26-28 for the other three corners of the vehicle.

REINSTALLING WHEELS AND PROPERLY TORQUING FRONT STRUT ASSEMBLIES AND REAR SHOCKS

30. Reinstall wheels and hand tighten the lug nuts. Safely lower the vehicle to the ground and torque the lug nuts to 140 lb-ft (190 N·m).

31. Torque three upper front strut assembly mounting nuts to 37 lb-ft (50 N·m). Do this for both front strut assemblies.

32. Torque both lower strut assembly mounting bolts to 37 lb-ft (50 N·m).

33. Torque both upper shock absorber bolts and nuts to 85 lb-ft (115 N·m).

34. Torque both lower shock absorber bolts and nuts to 85 lb-ft (115 N·m).

35. Reinstall wheel housing splash shields.

NOTE: If a "Service Suspension" message appears on the instrument cluster when starting the vehicle, a scan tool will be needed to clear the message. Once cleared, the service message should not reappear.