

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Suspension**
2. **Rear Suspension**
3. **Repair Instructions**
- 4.

Strut and Shock Absorber Inspection

Note:

The shock absorber/strut assembly DOES NOT have to be removed from the vehicle to perform the following inspection procedure.

Note:

A light film of oil on the top portion of the shock absorber/strut tube is normal. DO NOT replace the shock absorber/strut for this condition.

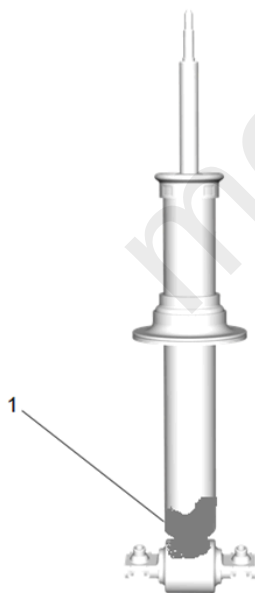
Note:

A typical shock absorber/strut assembly is depicted in graphics for illustrative purposes only and may differ in actual appearance.

Inspection

1. Raise and support the vehicle. Lifting and Jacking the Vehicle
2. Visually inspect each of the shock absorbers/struts for external fluid leaks. Refer to the following conditions 1, 2, 3, and 4 for visual inspection.

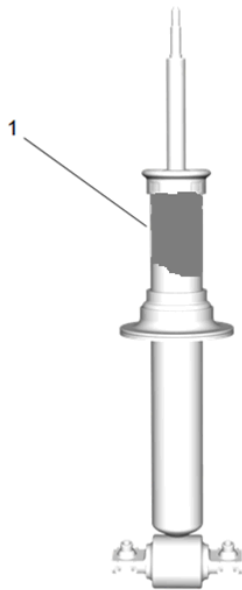
Condition 1



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Oil or fluid residue only on the bottom of the lower shock absorber/strut tube (1) or other area NOT originating from the shaft seal, is not a shock absorber/strut related problem. DO NOT replace the shock absorber/strut, look for other external leaks.

Condition 2



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Light film/residue on the shock absorber/strut tube (1), but not on the spring seat and originating from the shaft seal, is a NORMAL condition. DO NOT replace the shock absorber/strut.

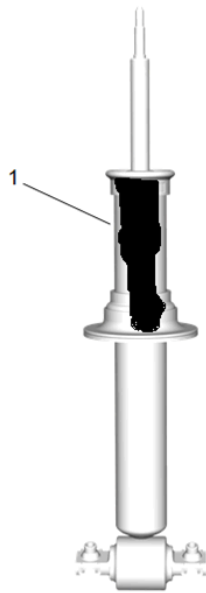
Condition 3



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Oil drip or trail down the shock absorber/strut tube (1) and originating from the shaft seal, is an ABNORMAL condition. Replace the shock absorber/strut.

Condition 4



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An extreme wet film of oil covering the shock absorber/strut tube (1) and pooling in the spring seat and originating from the shaft seal, is an ABNORMAL condition. Replace the shock absorber/strut.

Correction

1. If conditions 1 or 2 are found, continue to step 3.
2. If conditions 3 or 4 are found, replace shock absorber/strut.
3. Remove the support and lower the vehicle.
4. If equipped with electronic suspension control system, ensure that the system is working properly and no DTCs are present. If the system is working properly, continue to step 5.
5. Use your hands in order to lift up and push down on each corner of the vehicle 3 times. Remove your hands from the vehicle. If the corner motion exceeds 2 cycles, replace the shock absorber/strut. If the shock absorber/strut does not exceed 2 cycles, NO repair is necessary.