

2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

1. HVAC

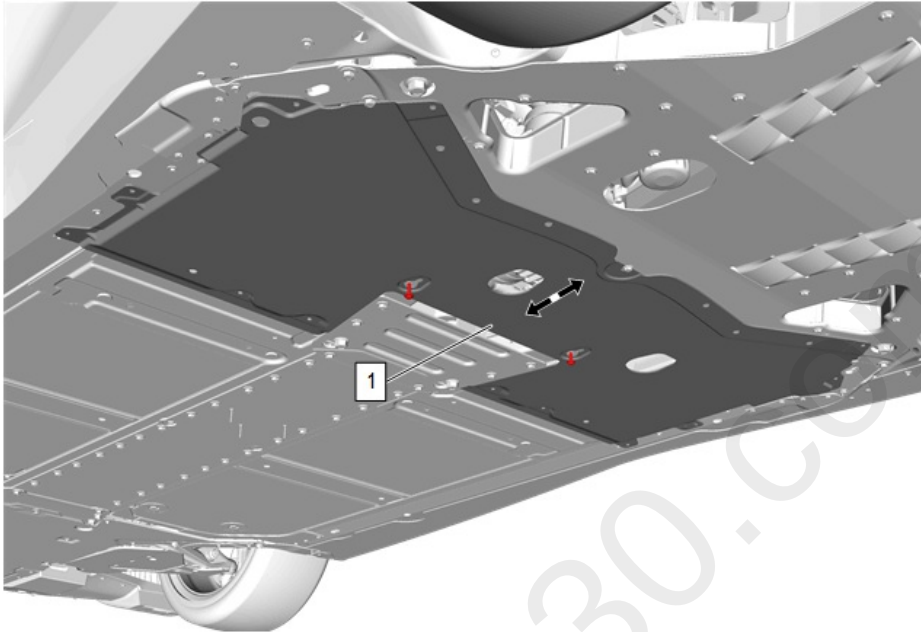
2. **Heating, Ventilation, and Air Conditioning**

3. **Repair Instructions**

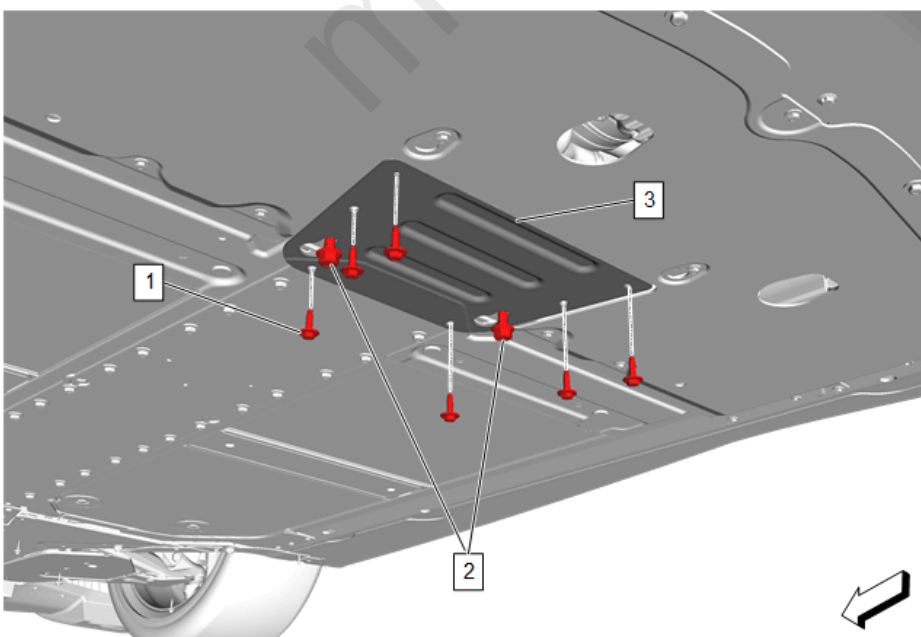
- 4.

Air Conditioning Clutch Assembly Replacement

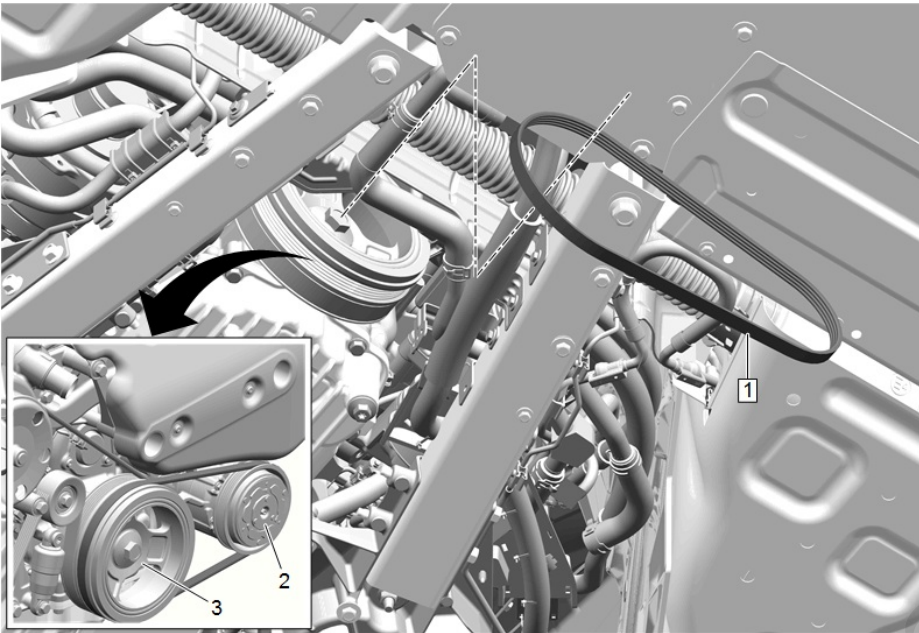
Removal Procedure



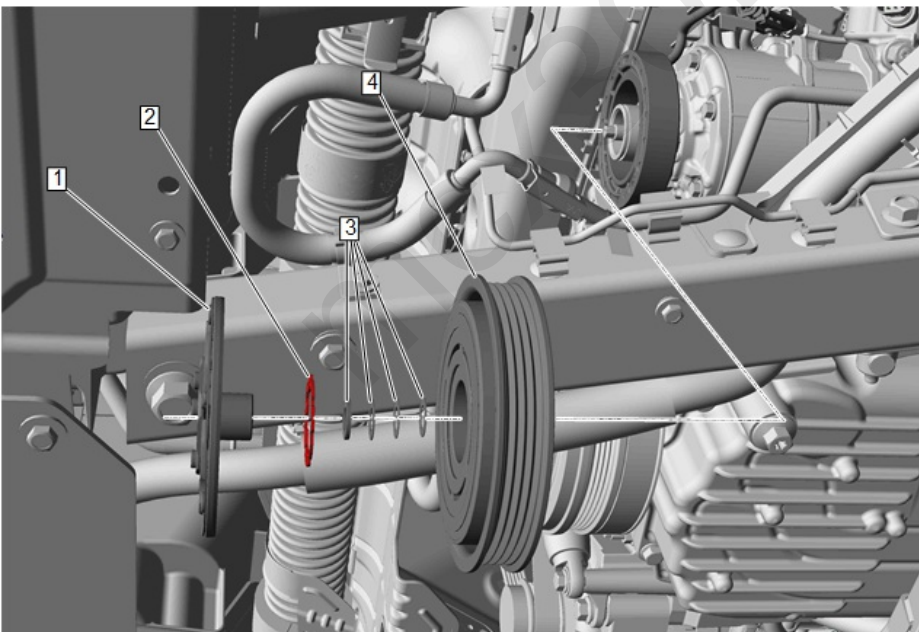
1. [Click here for full size](#)
2. Underbody Rear Air Deflector (1) >> Remove - Underbody Rear Air Deflector Replacement



3. [Click here for full size](#)
4. Floor Panel Tunnel Panel Reinforcement (1) >> Remove - Floor Panel Tunnel Panel Reinforcement Replacement

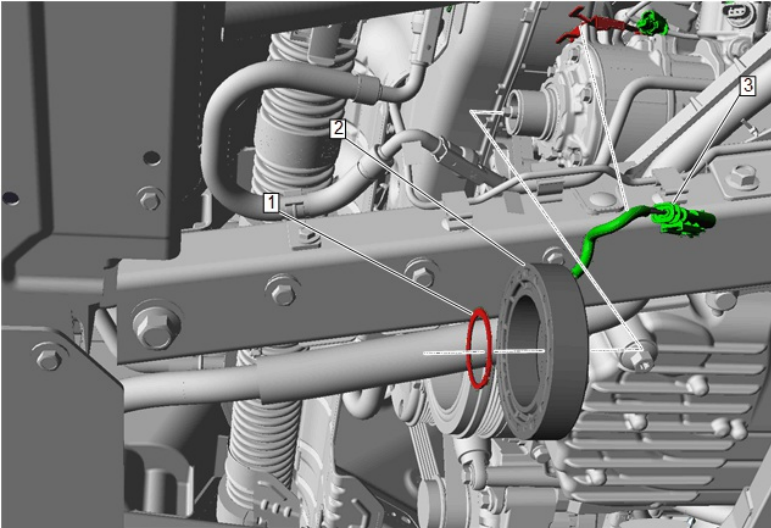


5. [Click here for full size](#)
6. Air Conditioning Compressor Belt (1) >> Remove - Air Conditioning Compressor Belt Replacement



7. [Click here for full size](#)
8. Use the appropriate tool to hold the air conditioning compressor shaft, and the appropriate tool to turn air conditioning clutch drive plate (1) counter clockwise to loosen and remove.
9. Air Conditioning Compressor Pulley Bearing Retaining Ring (2) >> Remove
10. Note:
The air conditioning clutch shim count will vary for each air conditioning compressor. Be sure to verify the number of shims once the clutch is removed.
11. Air Conditioning Clutch Shim(s) (3) >> Remove

12. Air Conditioning Compressor Pulley (4) >> Remove



13.
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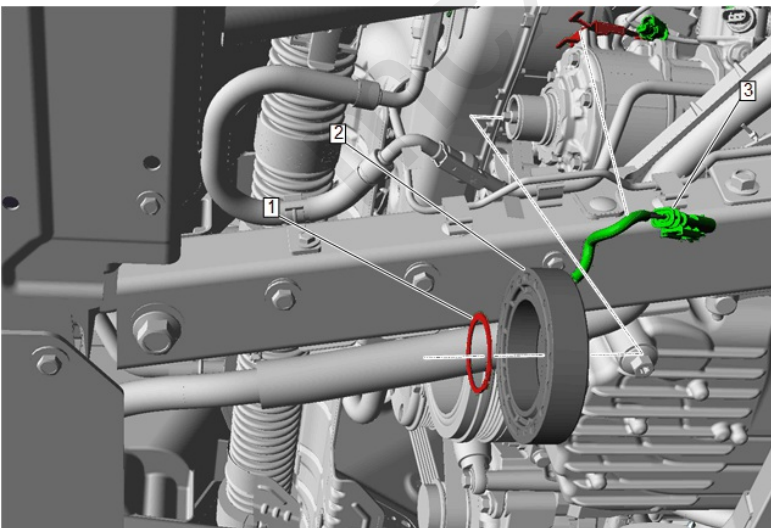
14. Air Conditioning Clutch Coil Retaining Ring (1) >> Remove

15. Air Conditioning Compressor Clutch Coil (2) >> Remove

16. Unclip the wiring harness from the air conditioning compressor bracket.

17. Disconnect the electrical connector. (3)

Installation Procedure



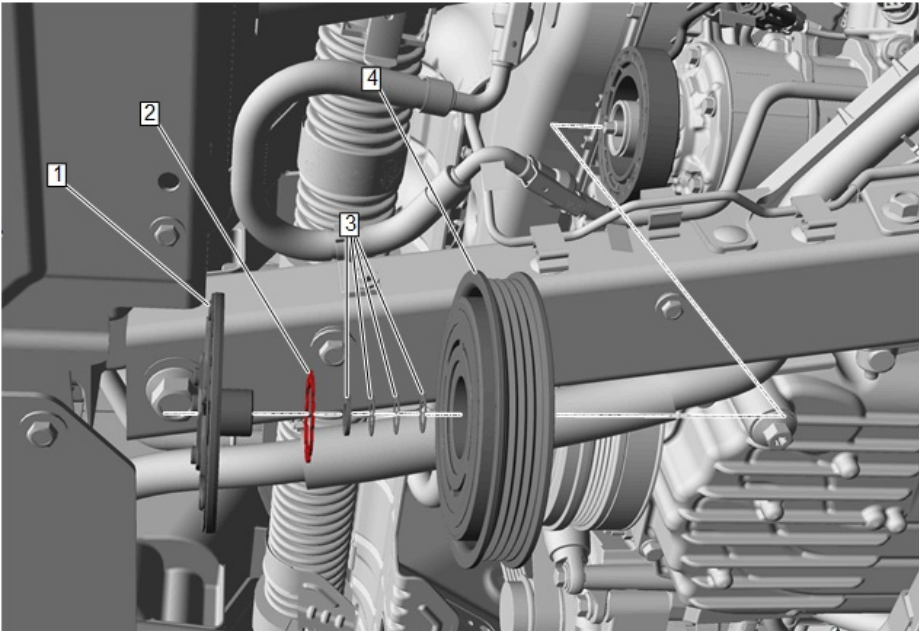
1.
[Click here for full size](#)

2. Connect the electrical connector. (3)

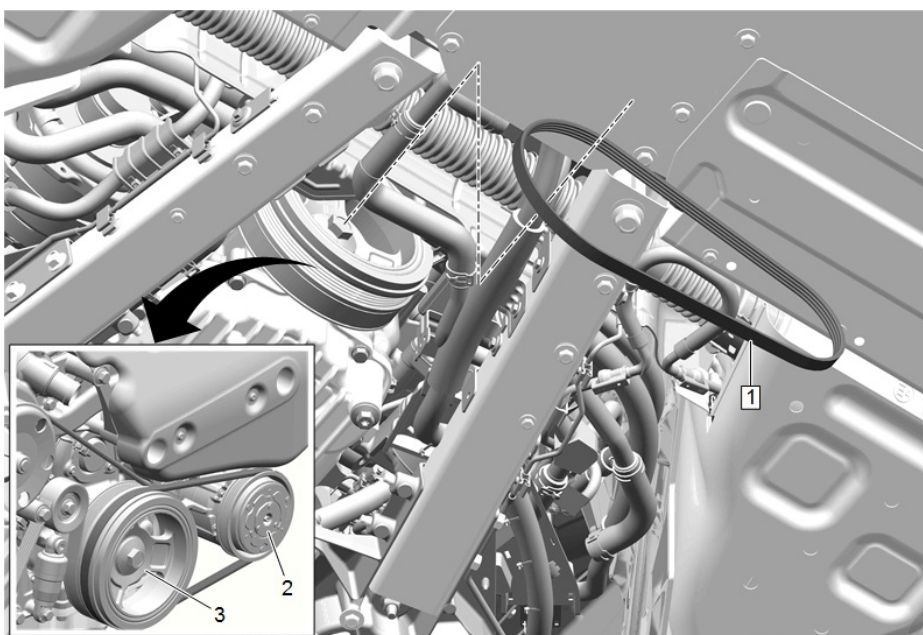
3. Clip the wiring harness into the air conditioning compressor bracket.

4. Air Conditioning Compressor Clutch Coil (2) >> Install

5. Air Conditioning Clutch Coil Retaining Ring (1) >> Install

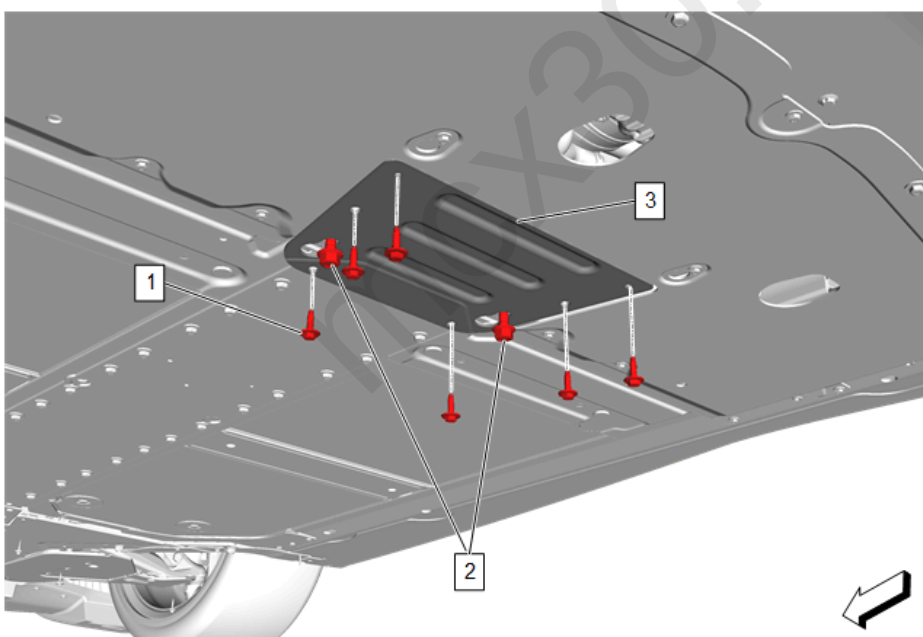


6. [Click here for full size](#)
7. Air Conditioning Compressor Pulley (4) >> Install
8. Note:
Use the original shim count as a starting point to determine the proper air gap for the air conditioning clutch plate.
9. Air Conditioning Clutch Shim(s) (3) >> Install
10. Air Conditioning Compressor Pulley Bearing Retaining Ring (2) >> Install
11. Install and hand tighten air conditioning clutch drive plate (1).
12. Adjust the air conditioning clutch drive plate air gap. [Air Conditioning Clutch Drive Plate Adjustment](#)
13. Caution:
Fastener Caution.
14. Use the appropriate tool to hold the air conditioning compressor shaft, and the appropriate tool to turn air conditioning clutch drive plate (2) clockwise to tighten to 35 N-m (26 lb ft).



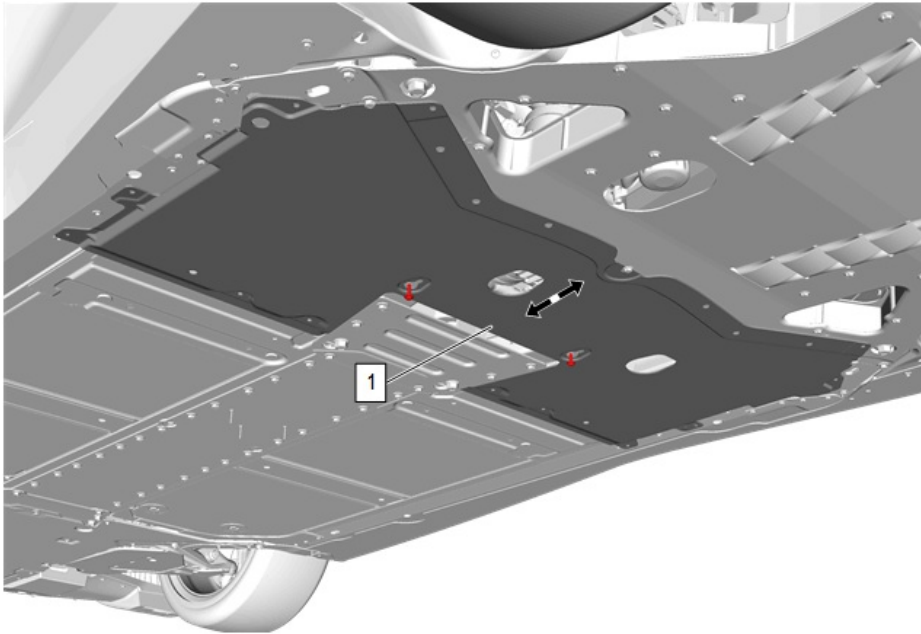
15.
[Click here for full size](#)

16. Air Conditioning Compressor Belt (1) >> Install - Air Conditioning Compressor Belt Replacement



17.
[Click here for full size](#)

18. Floor Panel Tunnel Panel Reinforcement (1) >> Install - Floor Panel Tunnel Panel Reinforcement Replacement



19.
[Click here for full size](#)

20. Underbody Rear Air Deflector (1) >> Install - Underbody Rear Air Deflector Replacement

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