

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **HVAC**

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

3. **Repair Instructions**

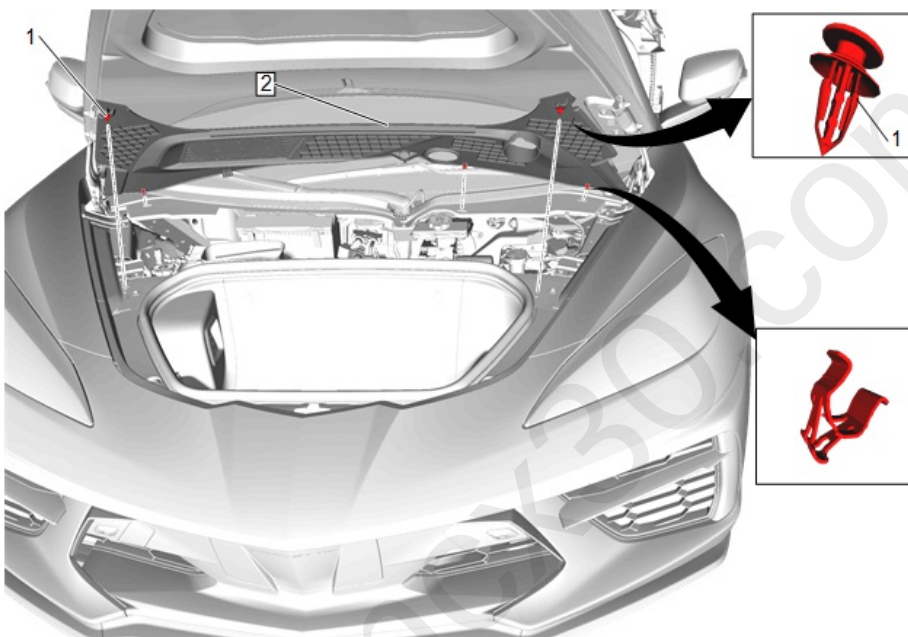
- 4.

Air Conditioning Compressor Replacement

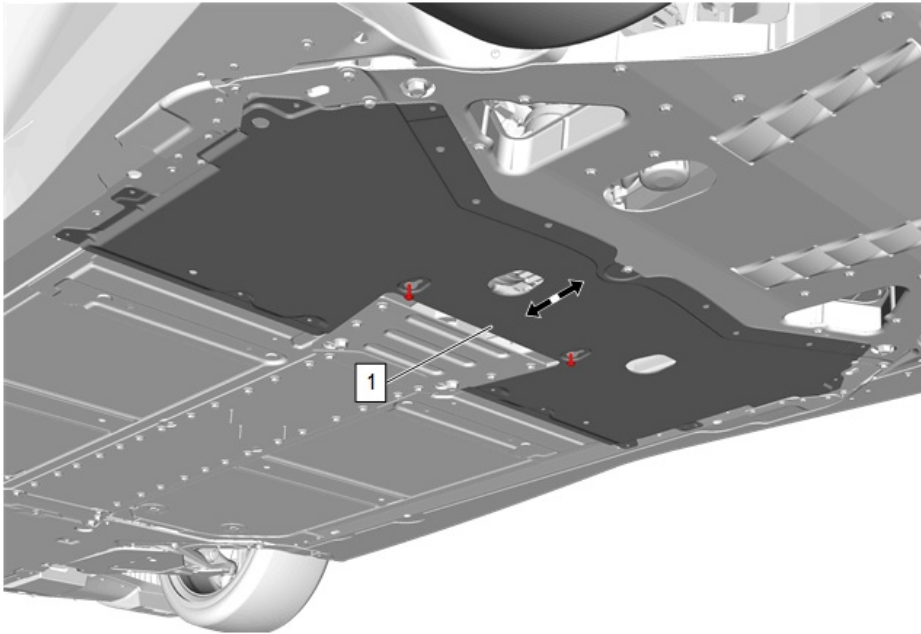
Single Use Fasteners and Components

- Air Conditioning Sealing Washer [2x]
- Air Conditioning Compressor Belt

Removal Procedure

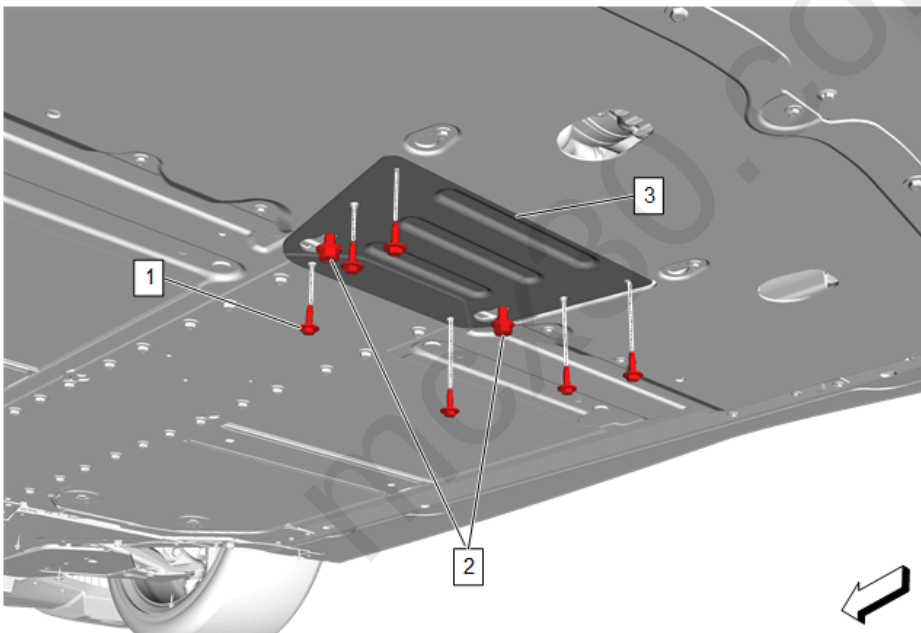


1. [Click here for full size](#)
2. Front Compartment Rear Access Cover (2) >>> Remove - Front Compartment Rear Access Cover Replacement
3. Recover the refrigerant. Refrigerant Recovery and Recharging



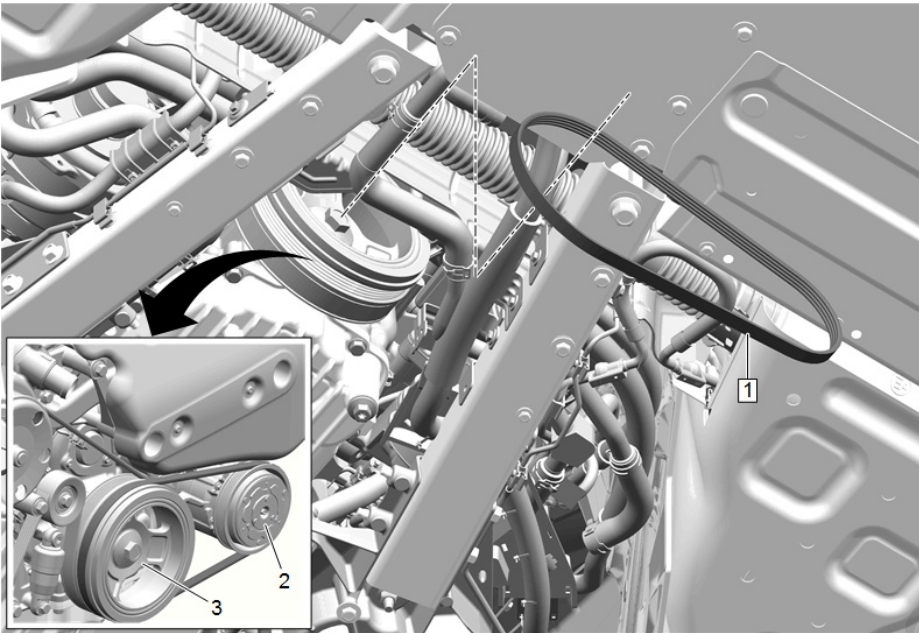
4.
[Click here for full size](#)

5. Underbody Rear Air Deflector (1) >> Remove - Underbody Rear Air Deflector Replacement



6.
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7. Floor Panel Tunnel Panel Front Reinforcement (3) >> Remove - Floor Panel Tunnel Panel Reinforcement Replacement



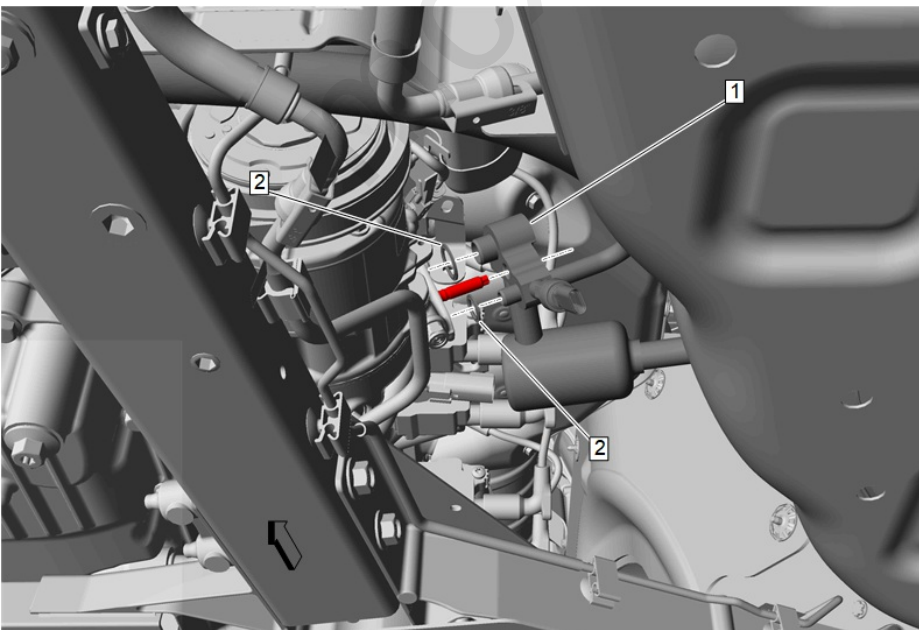
8.

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9. Air Conditioning Compressor Belt (1) >> Remove - Air Conditioning Compressor Belt Replacement

10. Electrical Connector @ Air Conditioning Compressor >> Disconnect [2x]

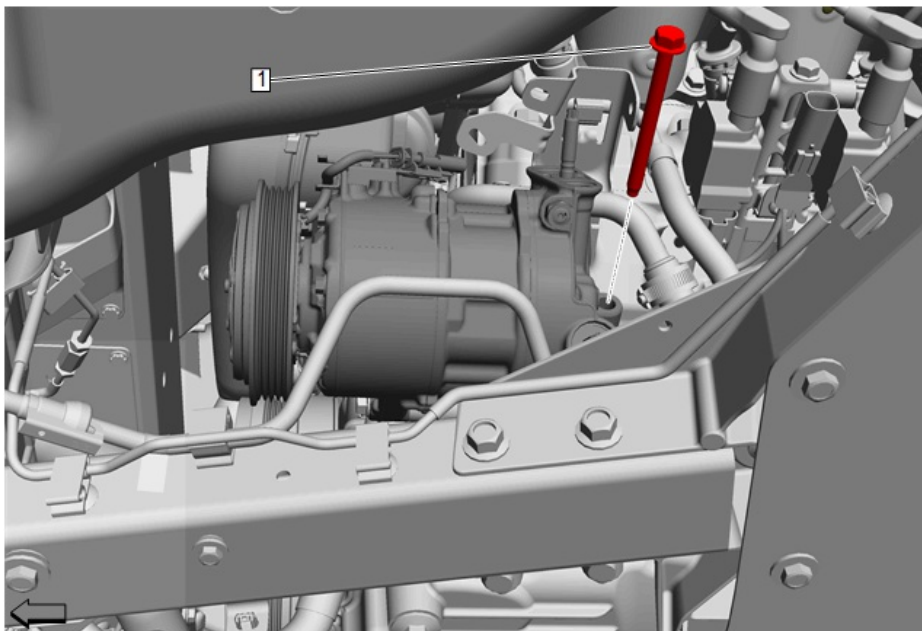
11. Position the engine wiring harness out of the way to access air conditioning compressor.



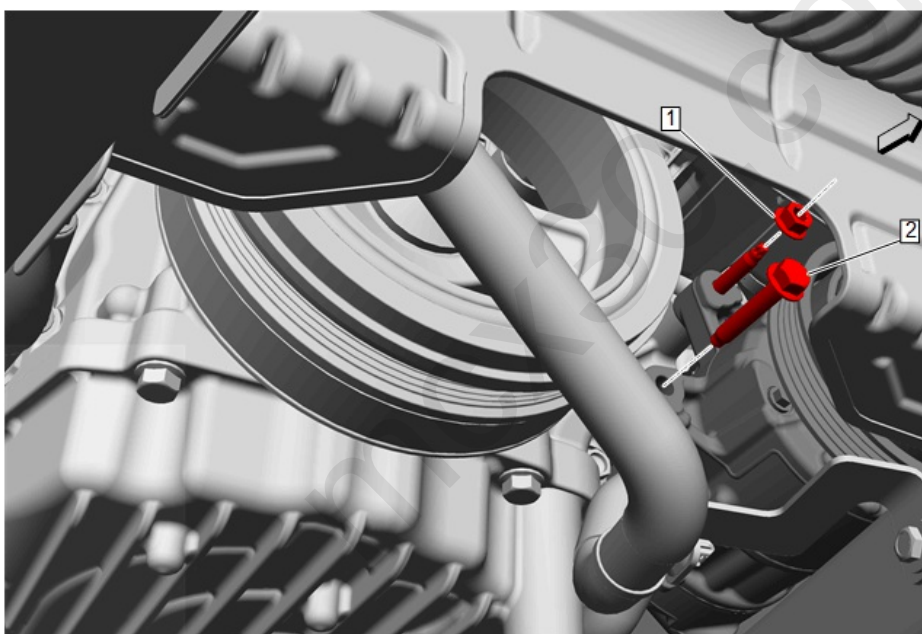
12.

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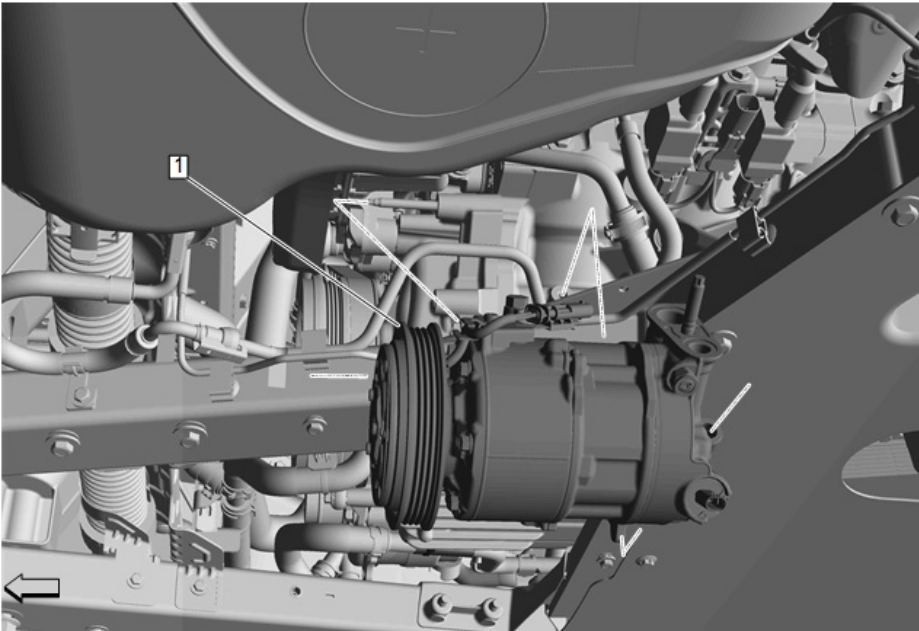
13. Air Conditioning Compressor Hose (1) @ Air Conditioning Compressor >> Remove - Air Conditioning Compressor Hose Replacement



14. [Click here for full size](#)
15. Air Conditioning Compressor Brace Bolt (1) >> Remove



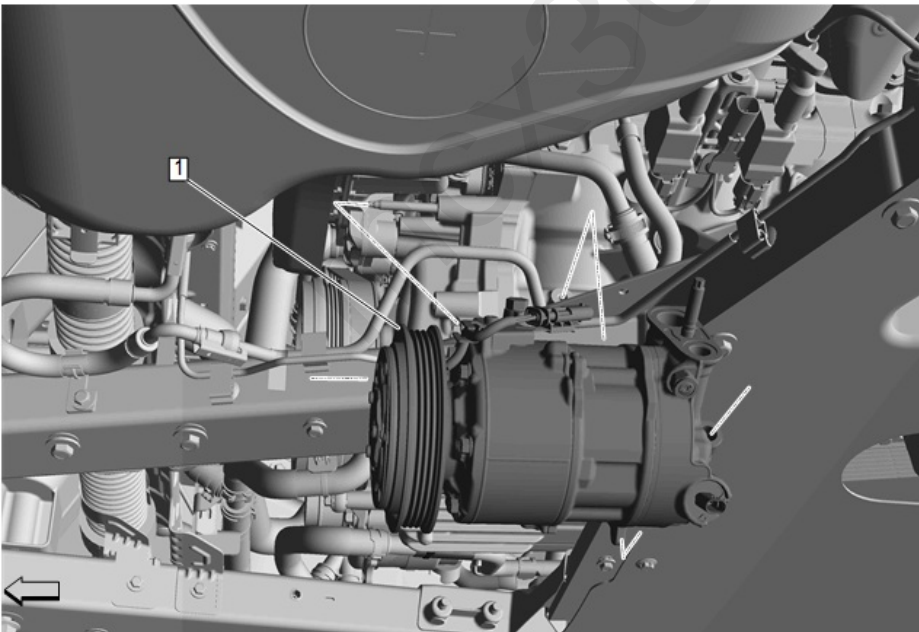
16. [Click here for full size](#)
17. Air Conditioning Compressor Bracket Nut (1) >> Remove
18. Air Conditioning Compressor Brace Bolt (2) >> Remove



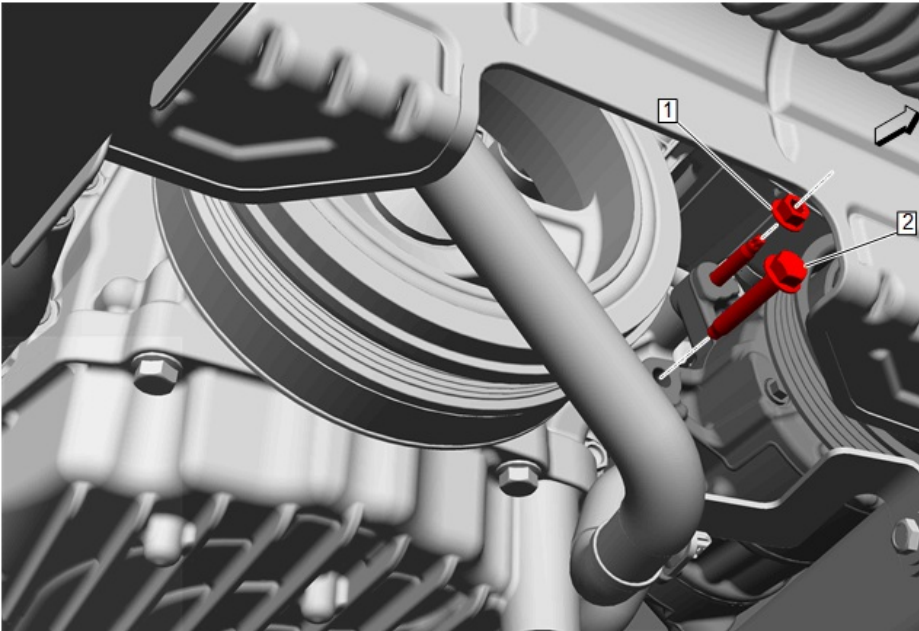
19. [Click here for full size](#)
20. Air Conditioning Compressor (1) >> Remove
21. Maneuver air conditioning compressor (1) down and out from engine compartment.

Installation Procedure

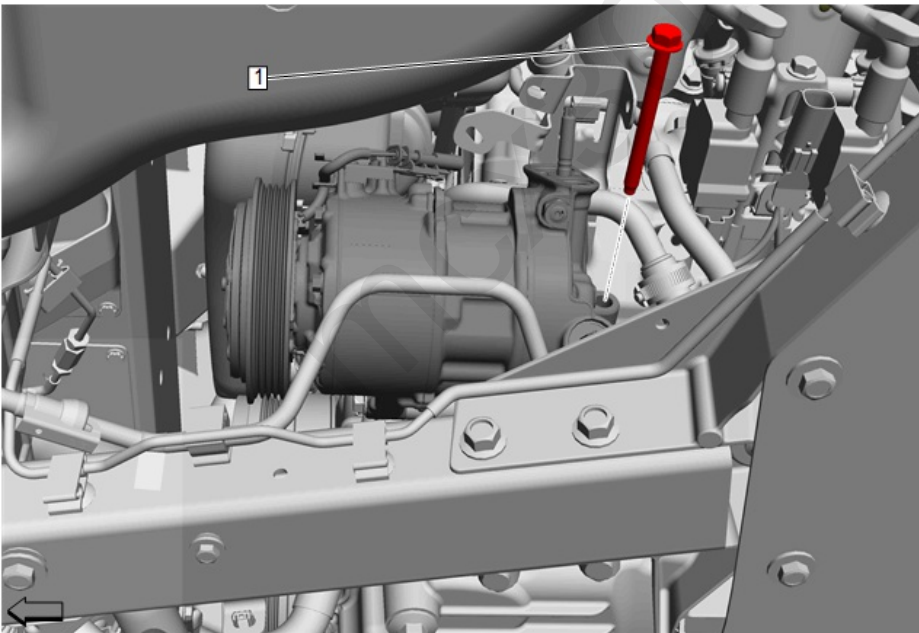
1. When replacing the air conditioning compressor it is necessary to perform the air conditioning compressor oil balance procedure. Air Conditioning Compressor Oil Balancing



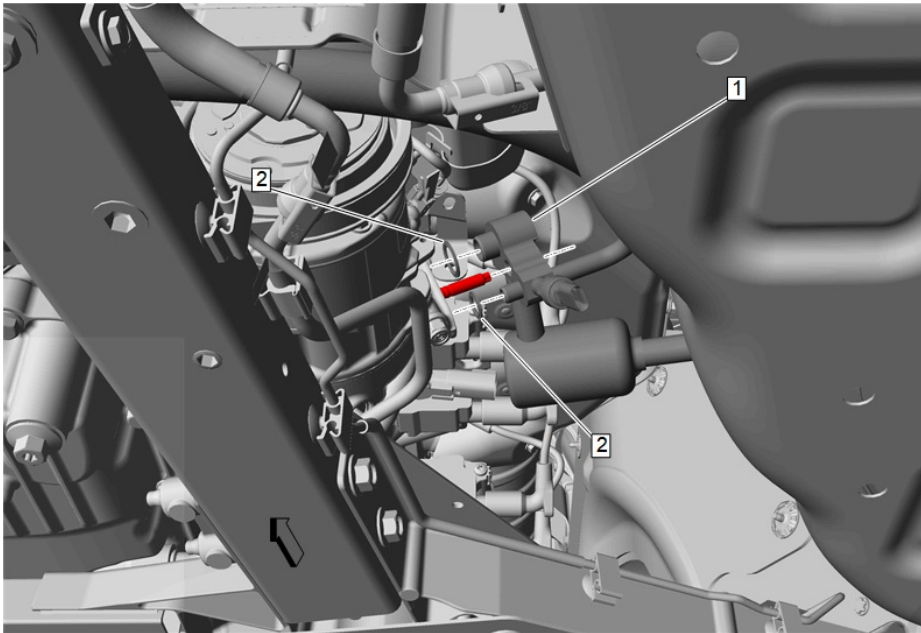
2. [Click here for full size](#)
3. Maneuver air conditioning compressor (1) up and into the engine compartment.
4. Air Conditioning Compressor (1) >> Install



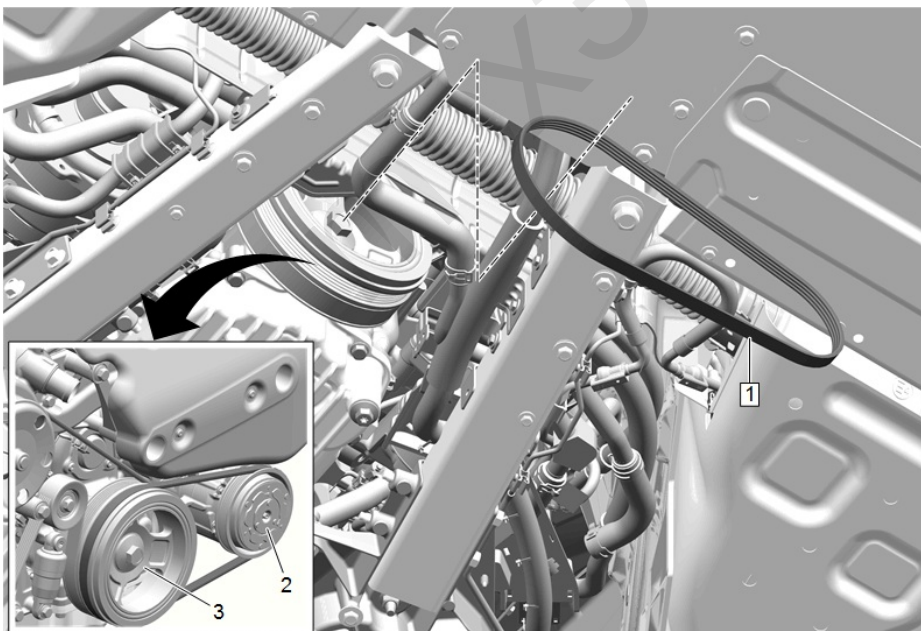
5. [Click here for full size](#)
6. **Caution:**
Refer to Fastener Caution.
7. Air Conditioning Compressor Brace Bolt (2) >> Install and tighten 22 N-m (16 lb ft)
8. Air Conditioning Compressor Bracket Nut (1) >> Install and tighten 24 N-m (18 lb ft)



9. [Click here for full size](#)
10. Air Conditioning Compressor Brace Bolt (1) >> Install and tighten 22 N-m (16 lb ft)

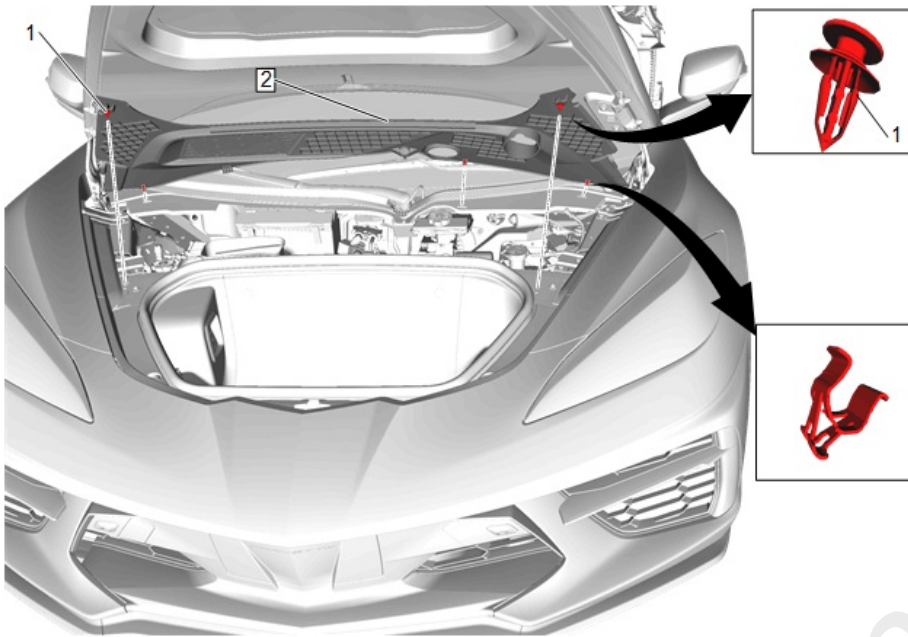


11. [Click here for full size](#)
12. Air Conditioning Compressor Hose (1) @ Air Conditioning Compressor >> Install - Air Conditioning Compressor Hose Replacement

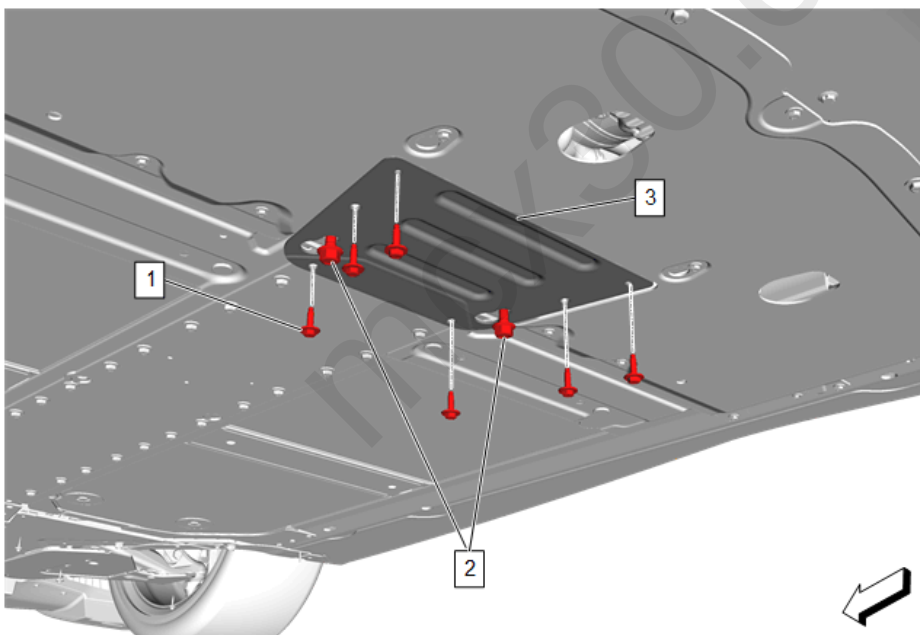


13. [Click here for full size](#)
14. Air Conditioning Compressor Belt (1) >> Install - Air Conditioning Compressor Belt Replacement
15. Position the engine wiring harness back into original routed position.
16. Electrical Connector @ Air Conditioning Compressor >> Connect [2x]

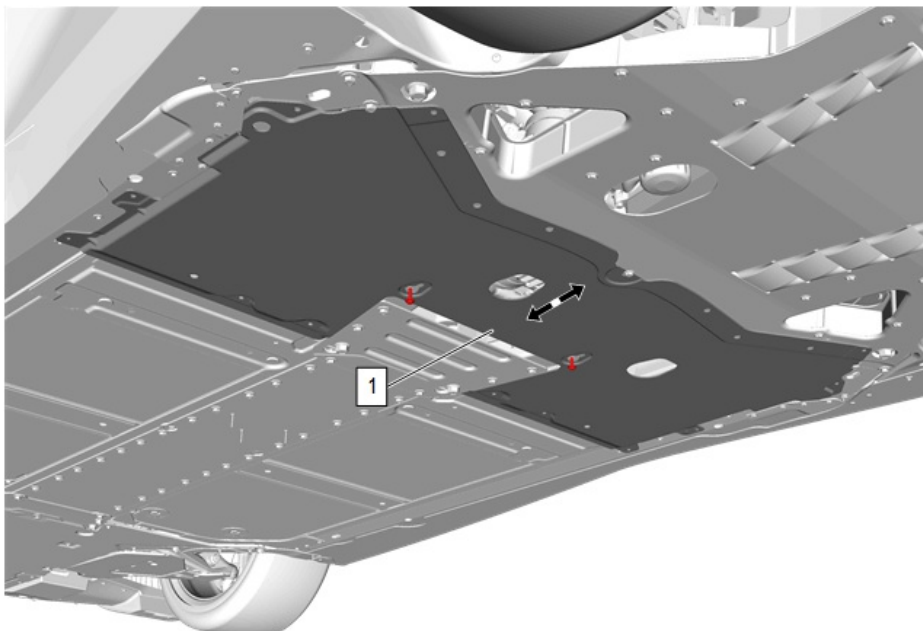
17. Evacuate and charge the refrigerant system. Refrigerant Recovery and Recharging
18. Check for refrigerant leaks.



19.
[Click here for full size](#)
20. Front Compartment Rear Access Cover (2) >> Install - Front Compartment Rear Access Cover Replacement



21.
[Click here for full size](#)
22. Floor Panel Tunnel Panel Front Reinforcement (3) >> Install - Floor Panel Tunnel Panel Reinforcement Replacement



23.
[Click here for full size](#)

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

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