

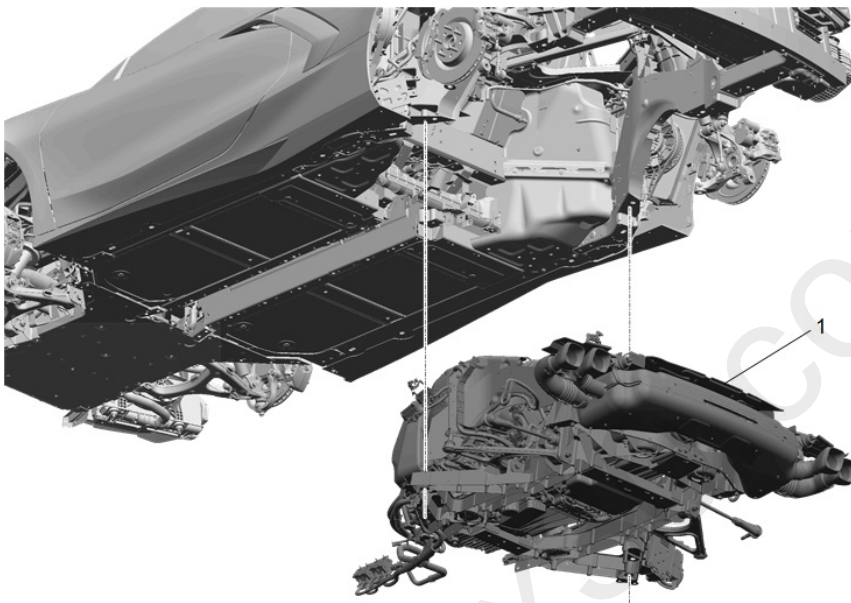
2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

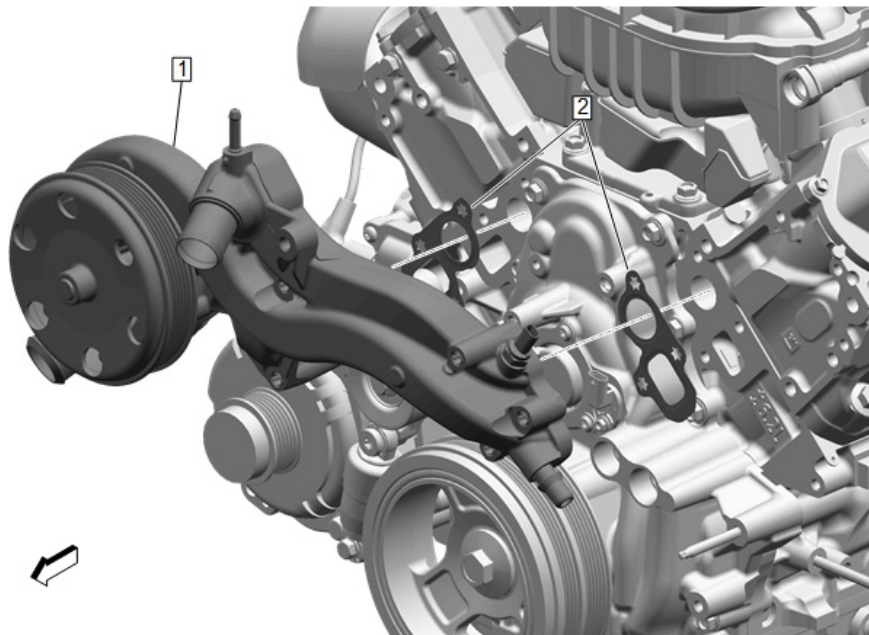
1. **Engine/Propulsion**
2. **Engine Mechanical - 6.2L (LT2)**
3. **Repair Instructions**
- 4.

Engine Front Cover Replacement

Removal Procedure

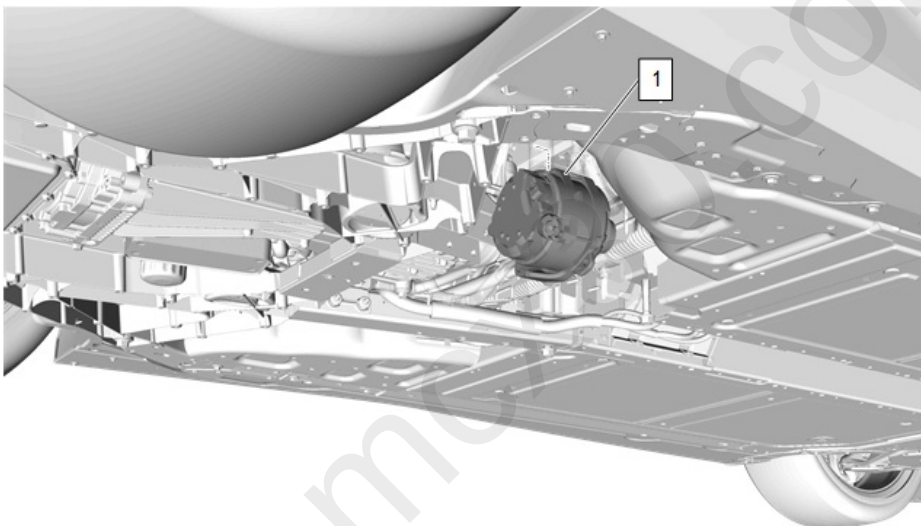


1.
Click here for full size
2. Engine (1) >> Remove - Engine Replacement
3. Mount the engine to a suitable engine stand.



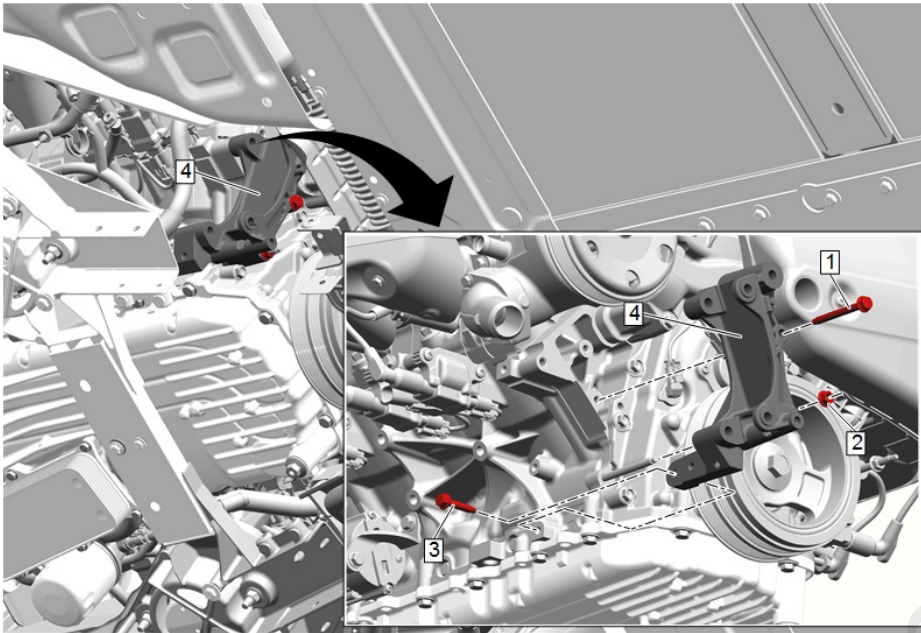
4.
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5. Water Pump (1) >> Remove - Water Pump Replacement



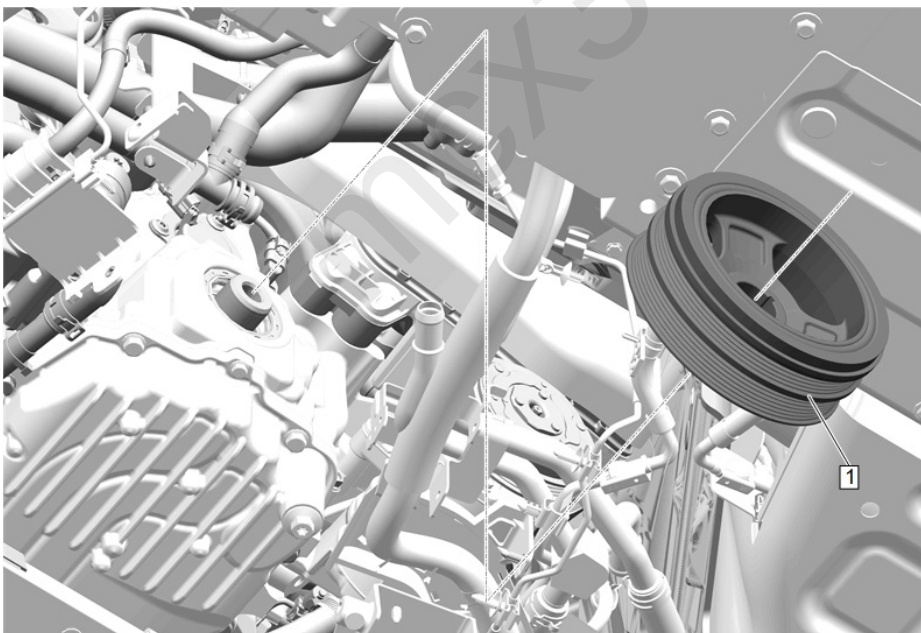
6.
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7. Generator (1) >> Remove - Generator Replacement



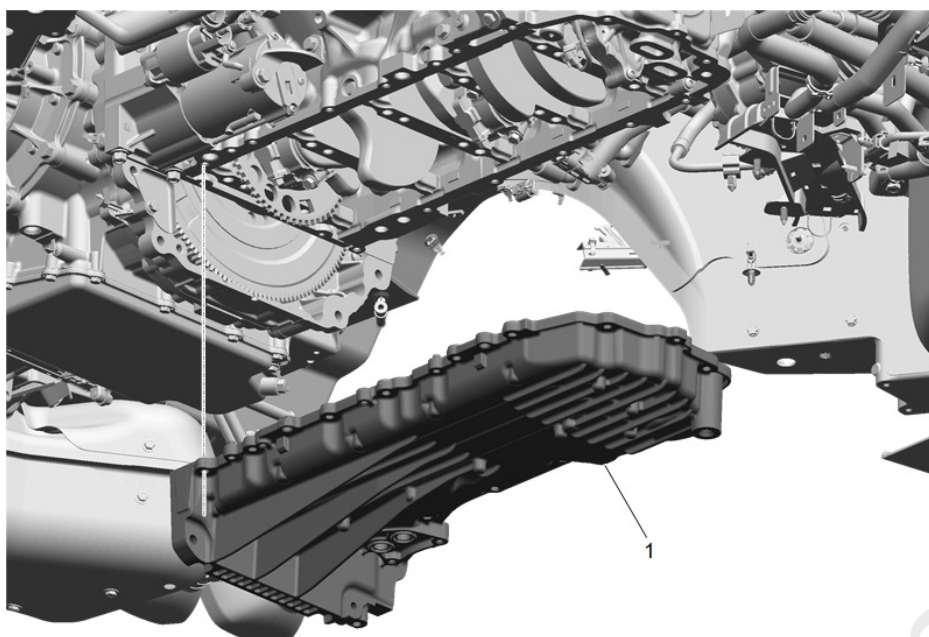
8.
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9. Generator and Drive Belt Tensioner Bracket (4) >> Remove - Generator and Drive Belt Tensioner Bracket Replacement



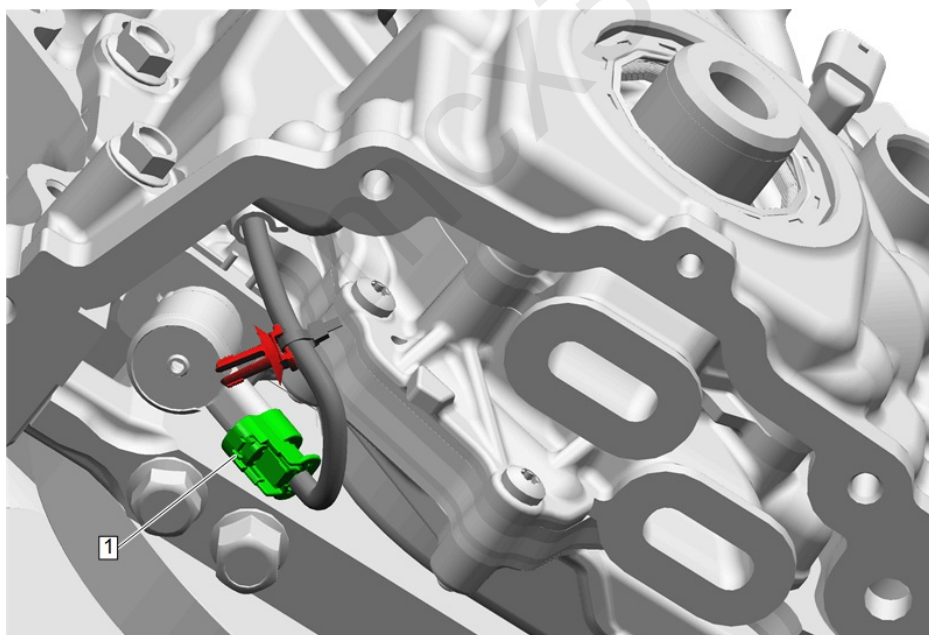
10.
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11. Crankshaft Balancer (1) >> Remove - Crankshaft Balancer Replacement



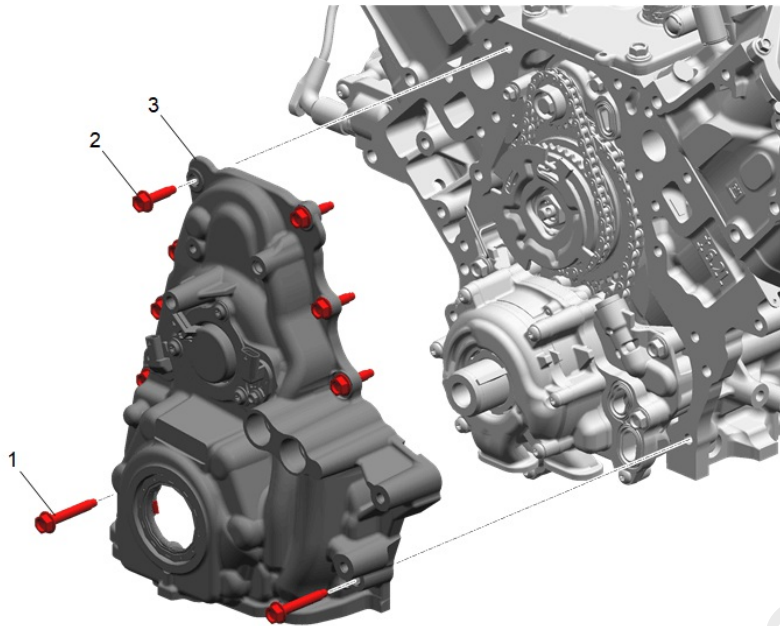
12.
[Click here for full size](#)

13. Oil Pan (1) >> Remove - Oil Pan Replacement



14.
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15. Disconnect the electrical connector. (1)



16.

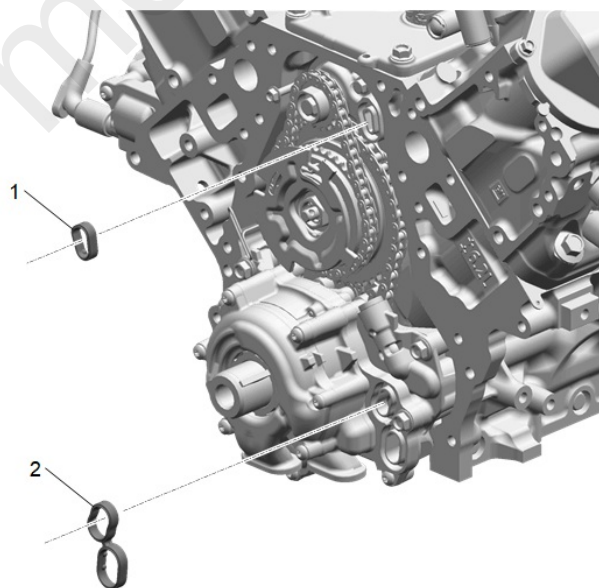
[Click here for full size](#)

17. Engine Front Cover Bolt (1) >> Remove [2x]

18. Engine Front Cover Bolt (2) >> Remove [8x]

19. Engine Front Cover (3) >> Remove

20. Engine Front Cover (3) >> Clean and inspect - Engine Front Cover Overhaul

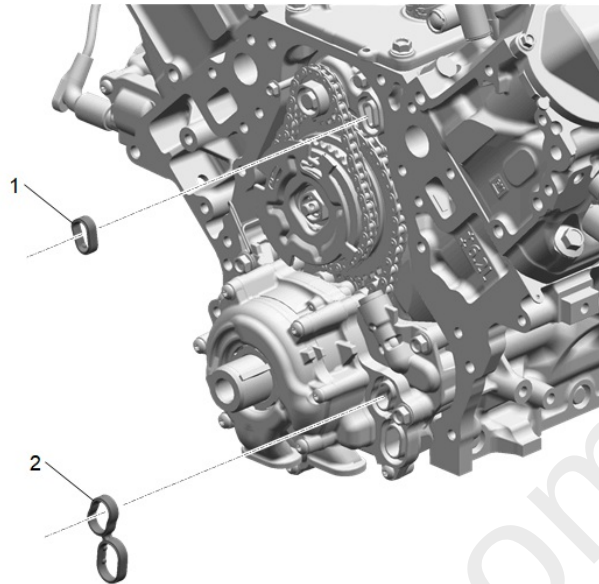


21.

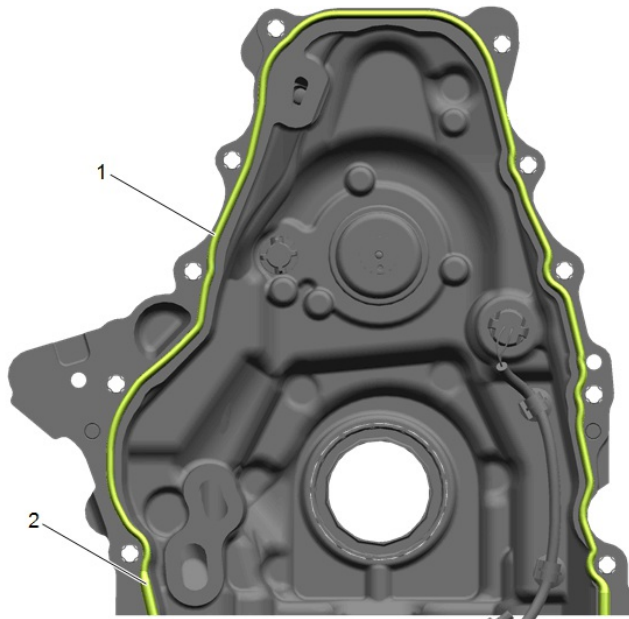
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22. Oil Pump Housing Gasket (1) >> Remove and DISCARD
23. Oil Pump Housing Gasket (2) >> Remove and DISCARD

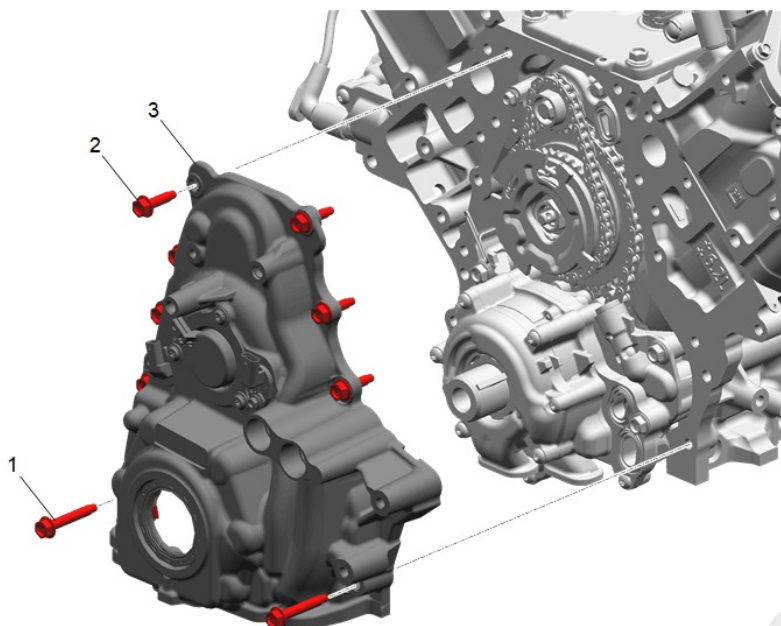
Installation Procedure



1. [Click here for full size](#)
2. Oil Pump Housing Gasket (2) >> Install NEW
3. Oil Pump Housing Gasket (1) >> Install NEW



4. [Click here for full size](#)
5. Note:
 - Ensure proper use of room temperature vulcanizing (RTV) sealant. Use of Room Temperature Vulcanizing (RTV) and Anaerobic Sealant
 - Install and align the engine front cover within 10 minutes of applying the sealer.
6. Apply a 3 mm (0.118 in) bead of RTV sealant (1) on the engine front cover as shown. Adhesives, Fluids, Lubricants, and Sealers
7. Apply a 5 mm (0.197 in) bead of RTV sealant (2) on the engine front cover as shown. Adhesives, Fluids, Lubricants, and Sealers

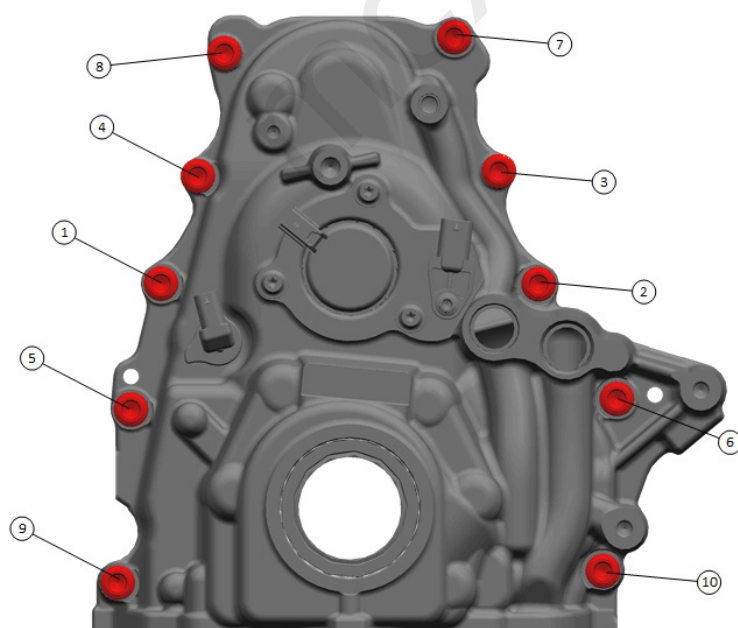


8.
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9. Engine Front Cover (3) >> Install

10. Engine Front Cover Bolt (2) >> Install and hand tighten [8x]

11. Engine Front Cover Bolt (1) >> Install and hand tighten [2x]

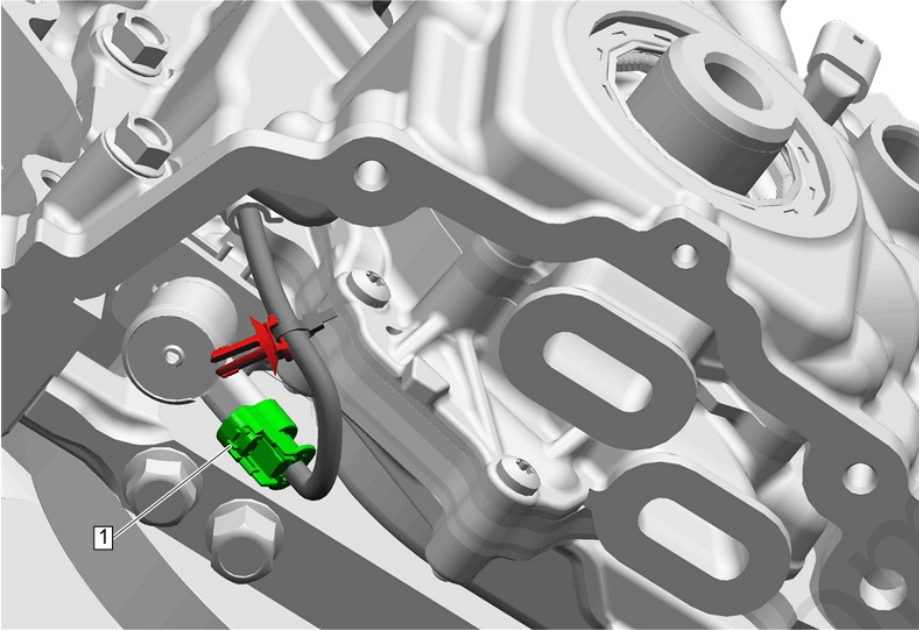


12.
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13. Caution:

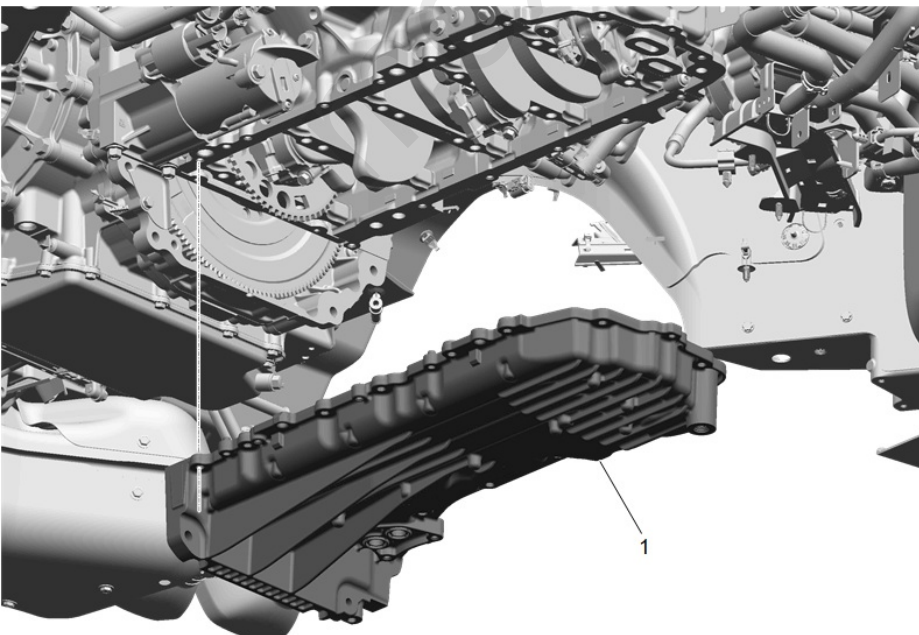
Refer to Fastener Caution.

14. Engine Front Cover Bolt >> Tighten in sequence [10x]25 N-m (18 lb ft)



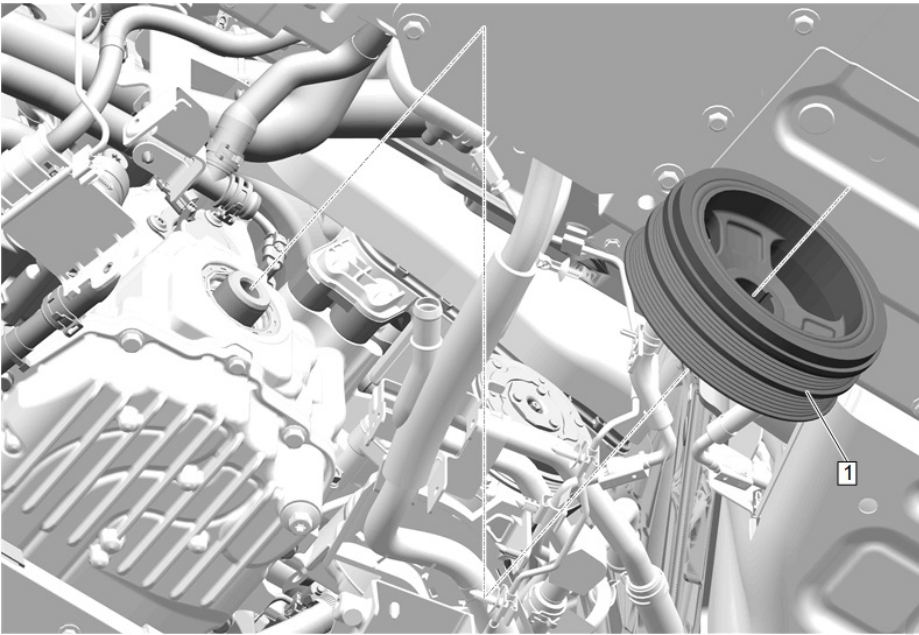
15.
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16. Connect the electrical connector. (1)



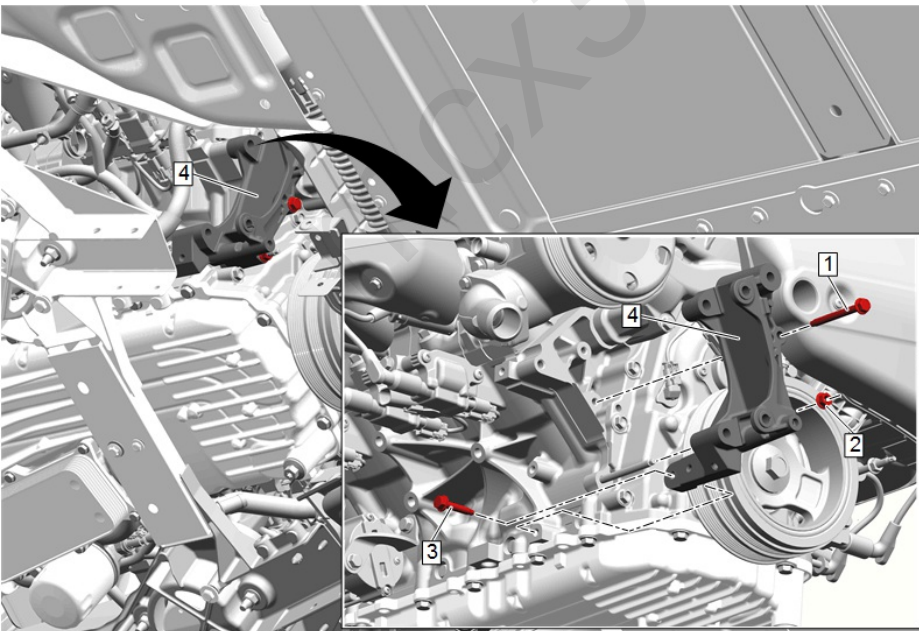
17.
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18. Oil Pan (1) >> Install - Oil Pan Replacement



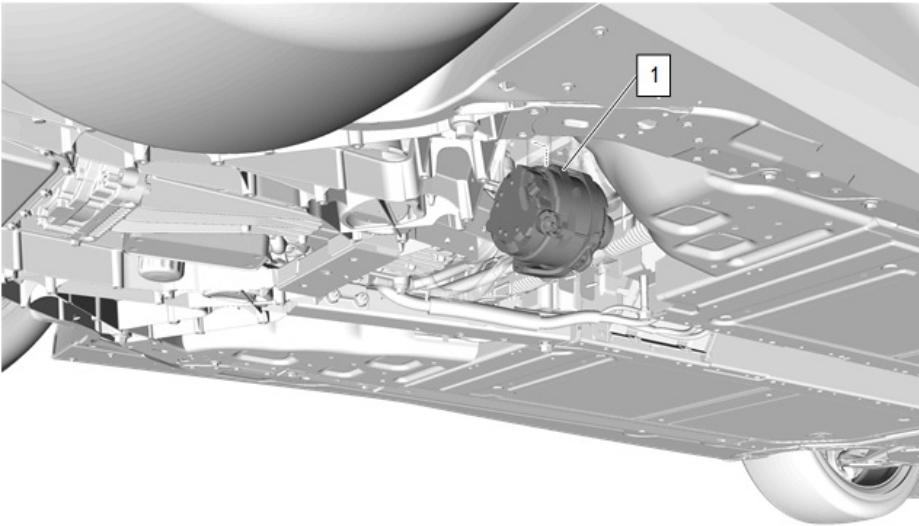
19.
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20. Crankshaft Balancer (1) >> Install - Crankshaft Balancer Replacement



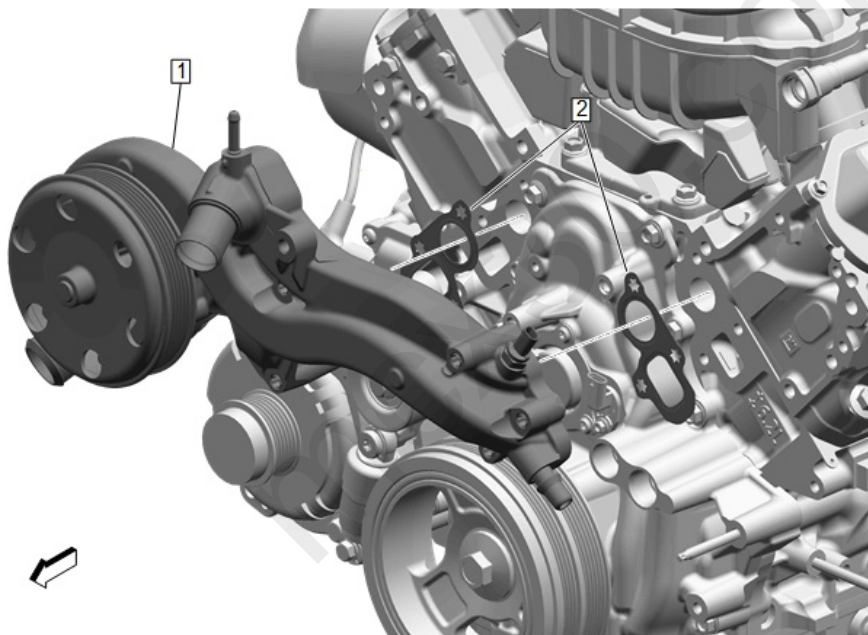
21.
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22. Generator and Drive Belt Tensioner Bracket (4) >> Install - Generator and Drive Belt Tensioner Bracket Replacement



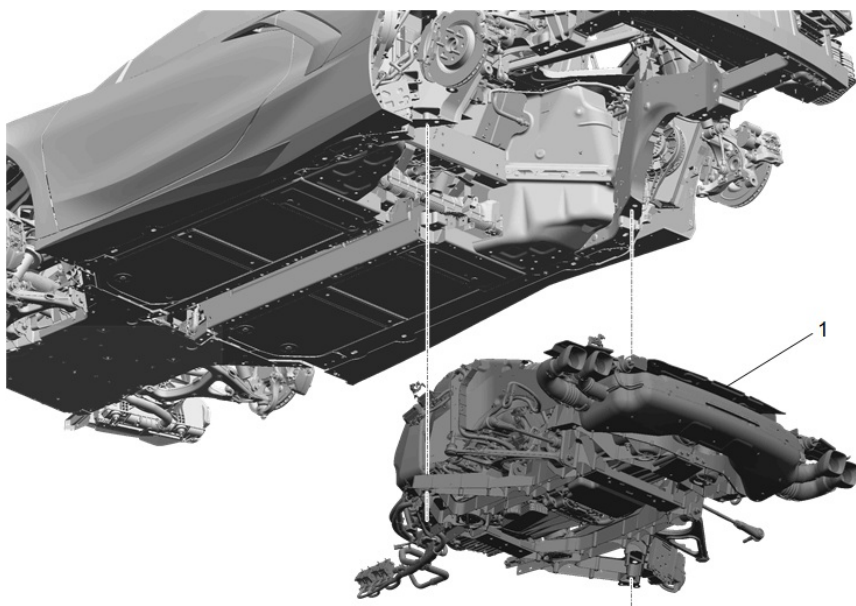
23.
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24. Generator (1) >> Install - Generator Replacement



25.
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26. Water Pump (1) >> Install - Water Pump Replacement



27.
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28. Engine 1) >> Install - Engine Replacement

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