

FATHOUSE PERFORMANCE

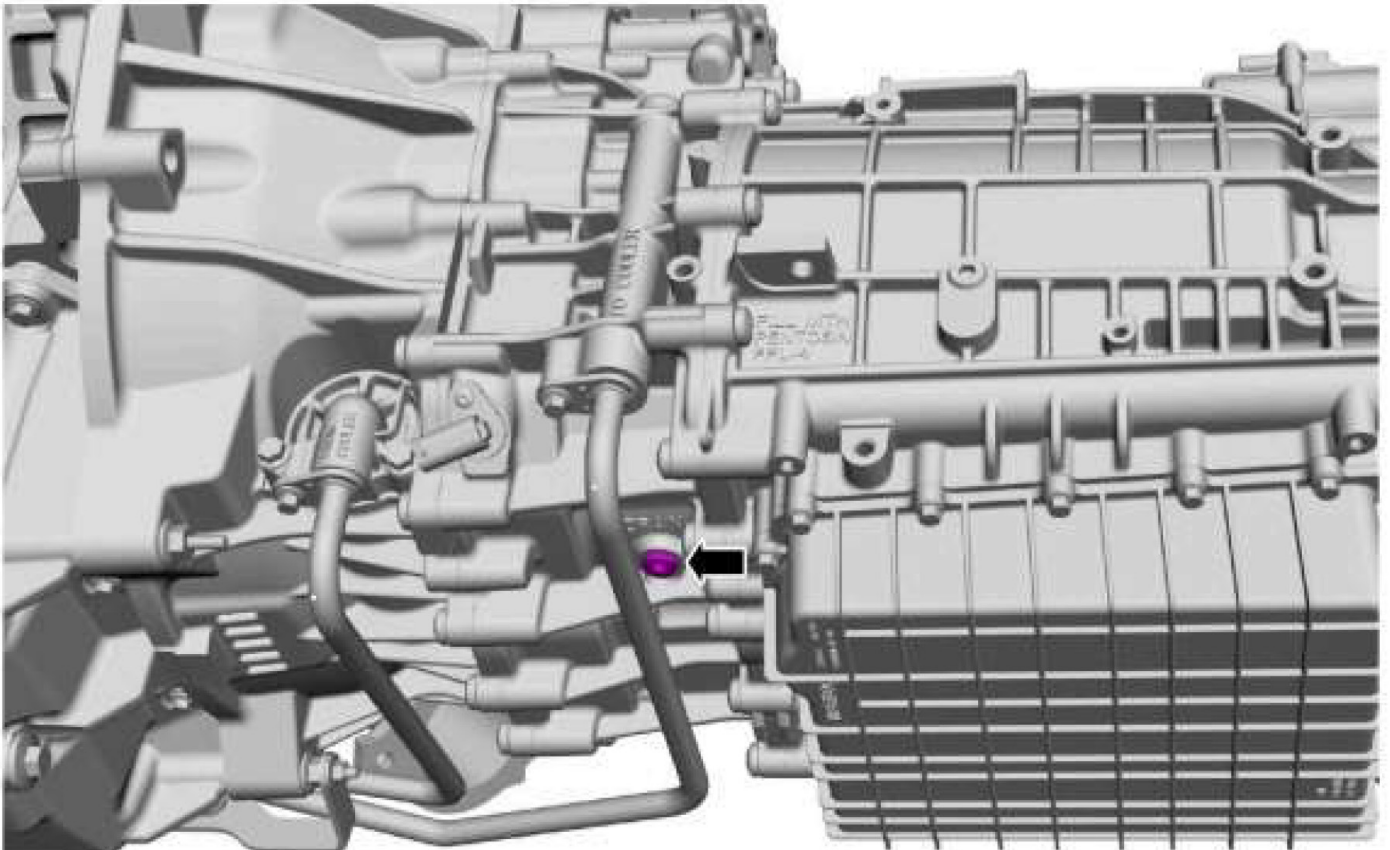
Fathouse Performance 2020+ GT500 Billet Deep Sump Trans Pan Installation Guide



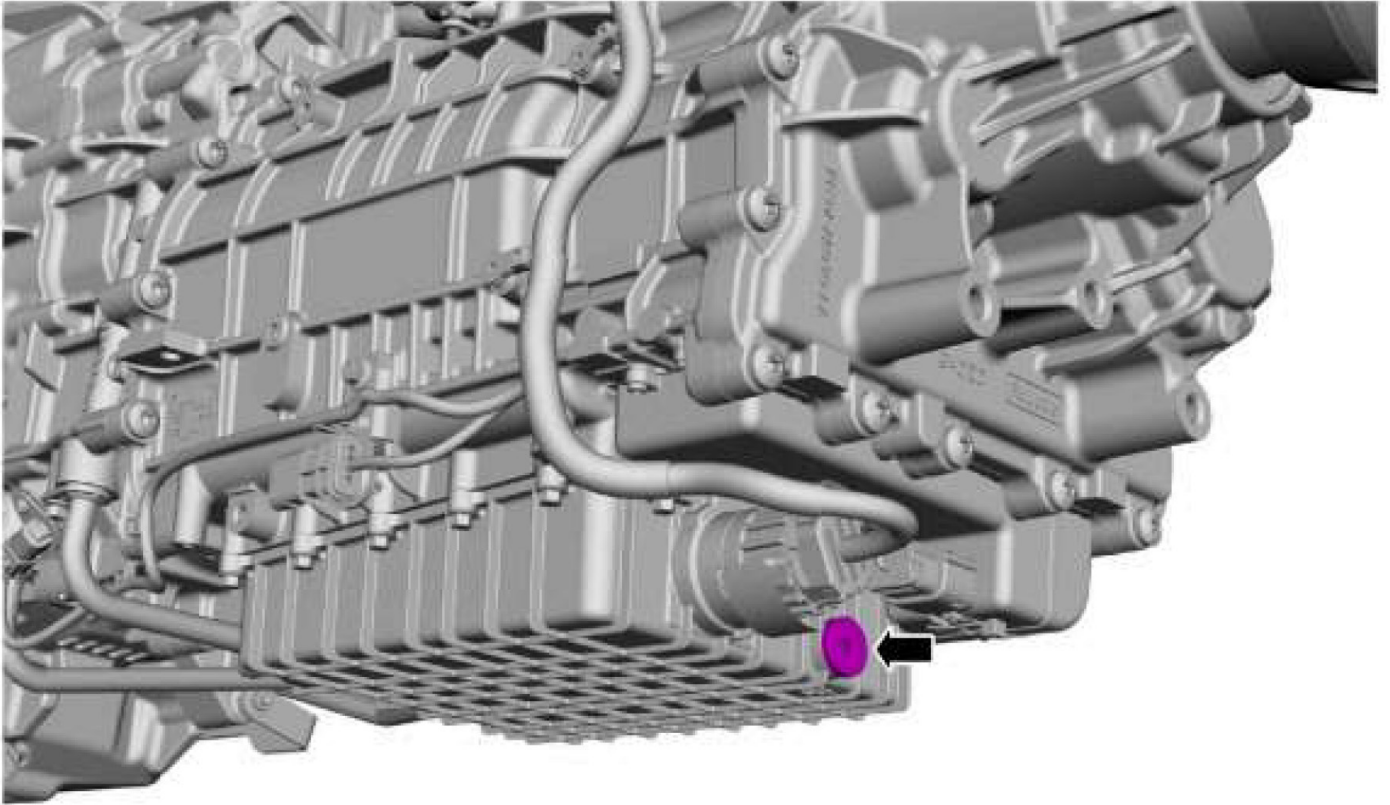
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Removal

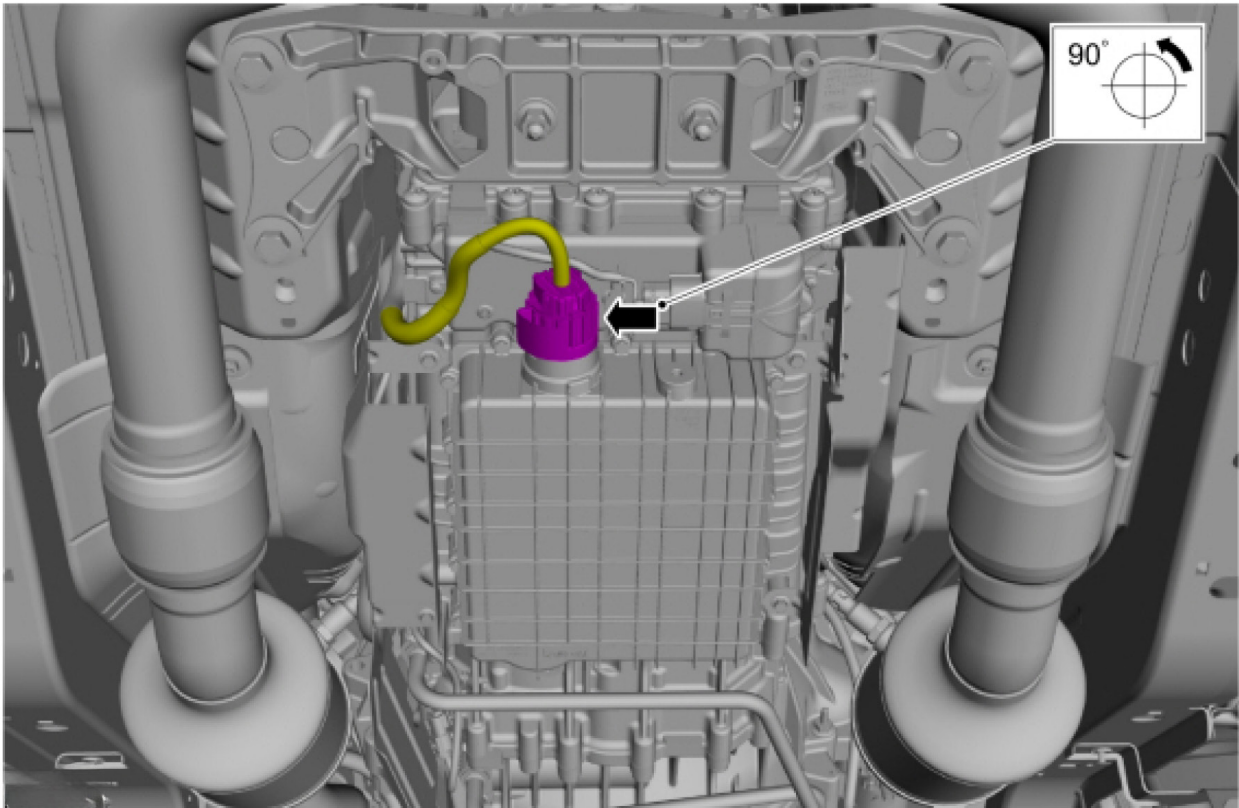
1. With the vehicle in NEUTRAL, position it on a hoist.
2. Disconnect the battery.



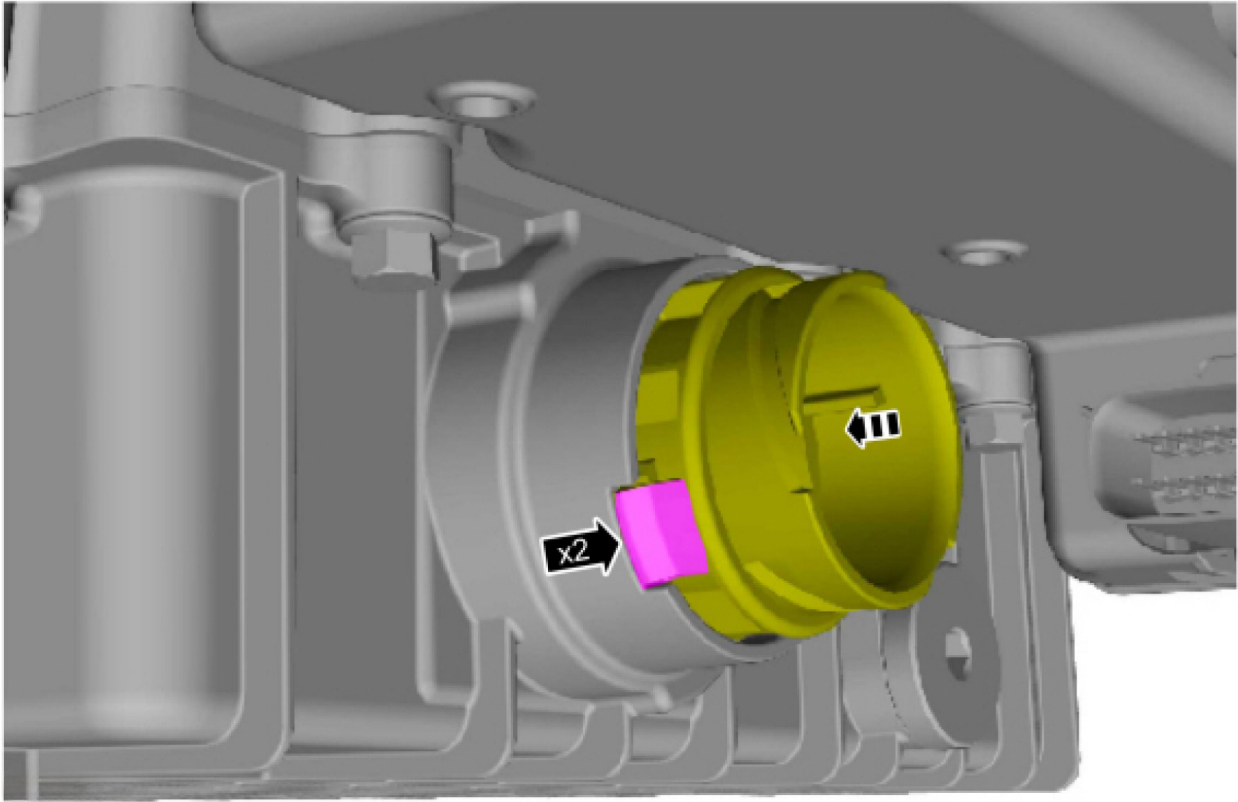
3. Remove the drain plug and drain the transmission fluid. Re-install the drain plug.
Torque: 150 lb.in (17 Nm)

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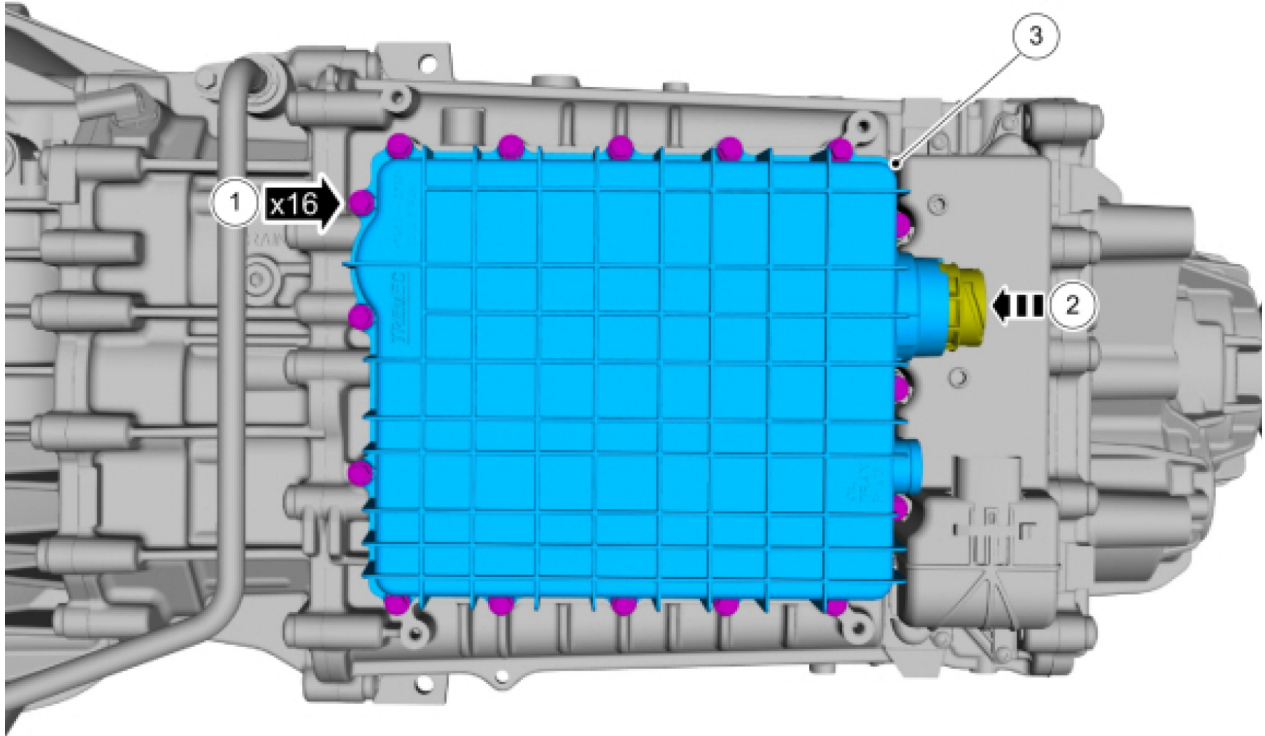
4. Remove the fluid pan drain plug and drain the transmission fluid. Re-install drain plug.

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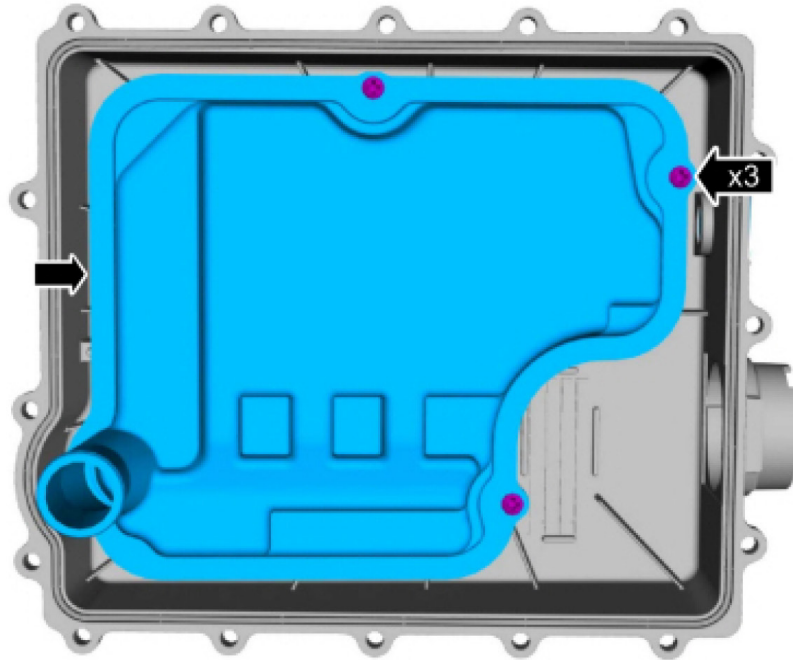
5. Disconnect the bulkhead electrical connector by rotating the electrical connector 90 degrees counter clockwise.

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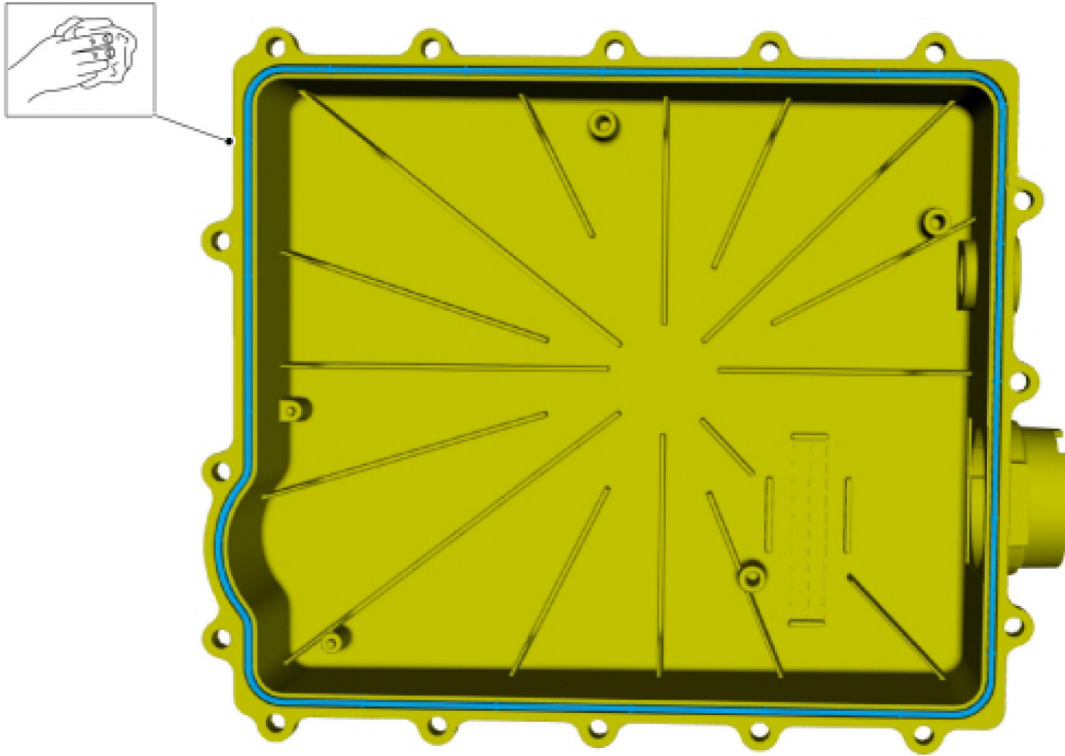
6. Push the bulkhead locks in and push the bulkhead connector into the transmission fluid pan.

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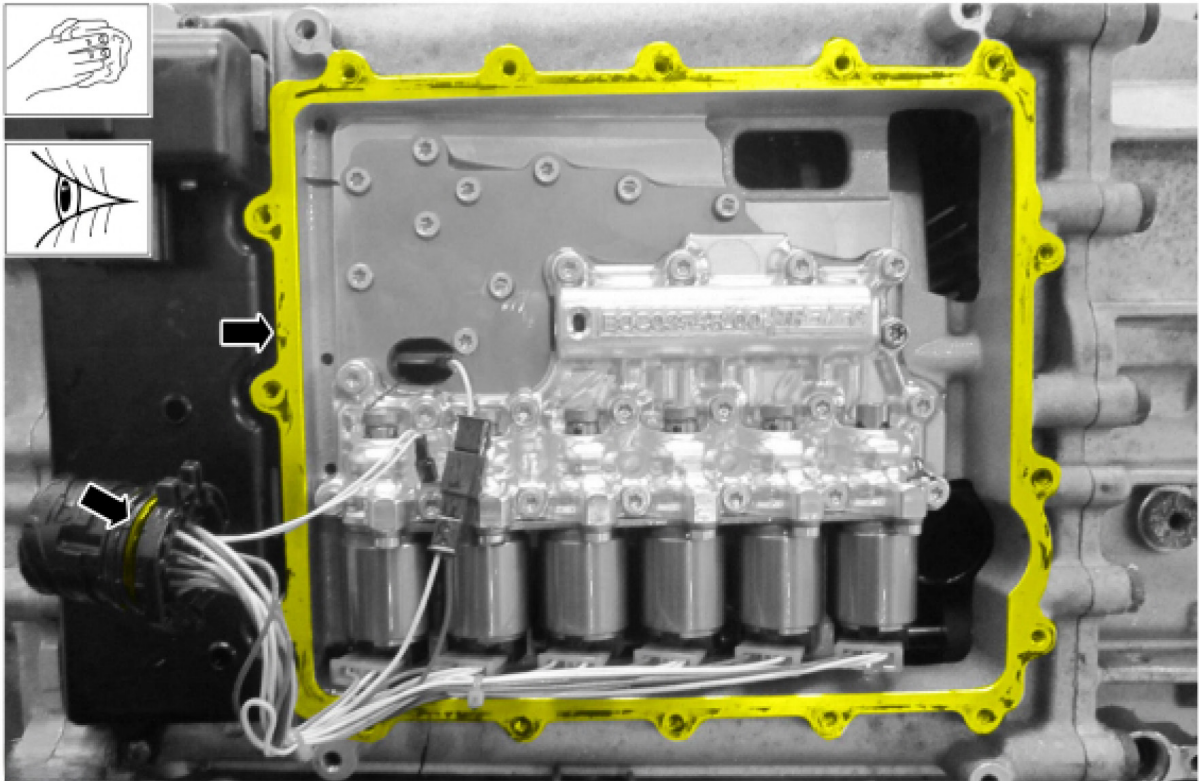
7. Remove the transmission fluid pan.
 1. Remove the transmission fluid pan bolts.
 2. Push the bulkhead electrical connector through the transmission pan.
 3. Remove the transmission fluid pan.

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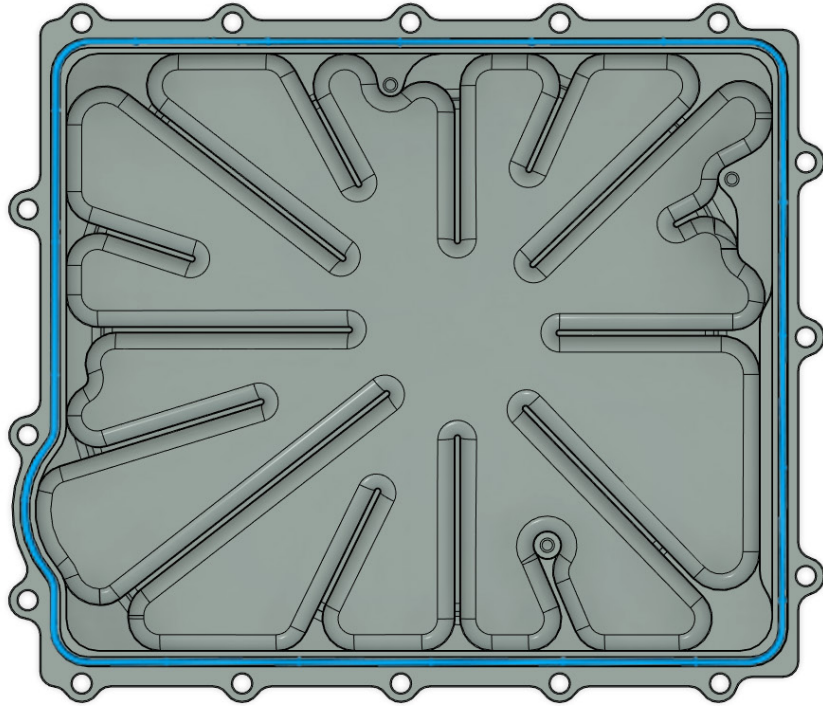
8. NOTE: The transmission fluid filter may be reused if no excessive contamination is indicated. Remove the screws and the transmission fluid filter.

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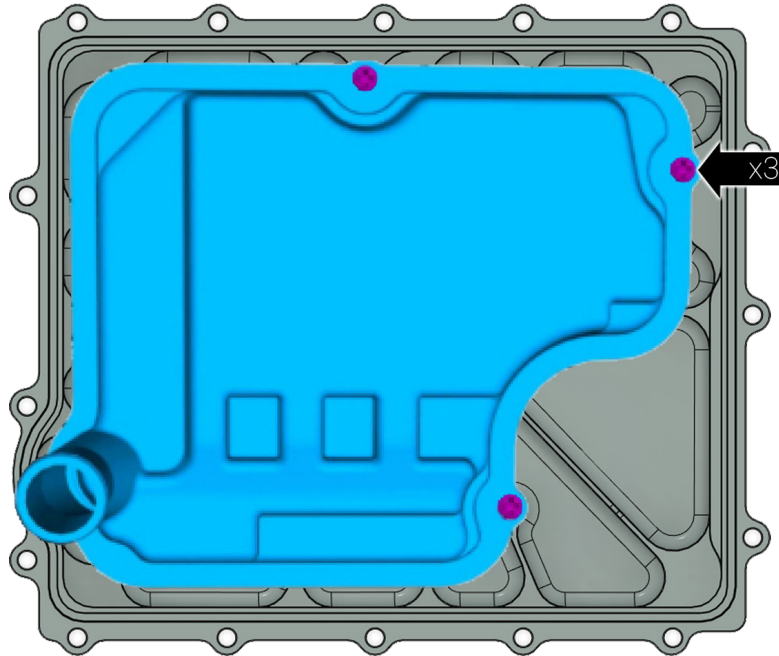
9. Remove the transmission seal. Inspect the seal for any tears. If seal is damaged it CANNOT be used on the new billet pan. Replace with P/N KR3Z-7D302-B.

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10. Clean and inspect the transmission oil pan seal surface and the bulkhead electrical connector O-ring.

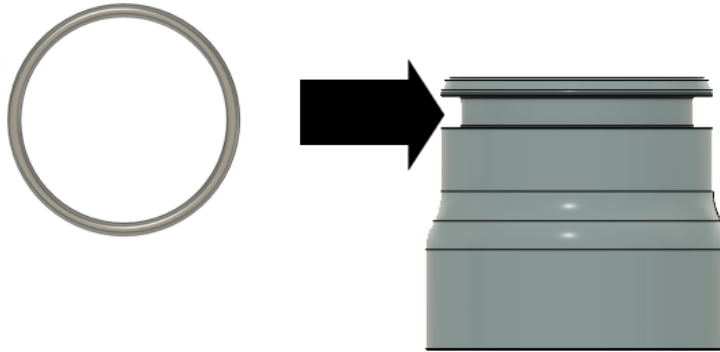
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11. Install OEM transmission pan seal on the billet transmission pan.

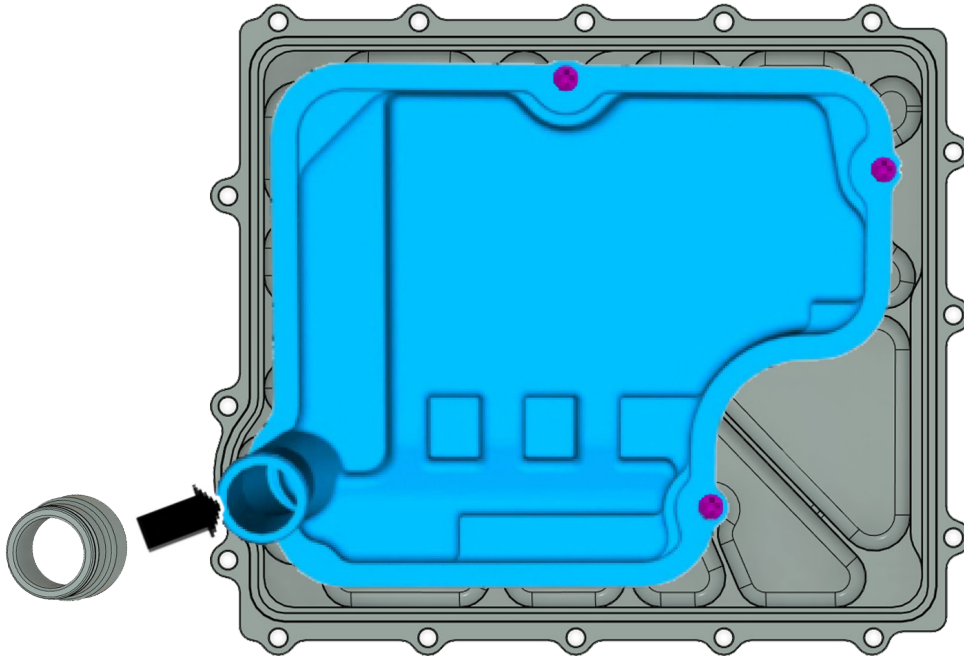
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12. Install the OEM transmission fluid filter and (3) new provided screws into the billet transmission pan. Torque: 12 lb.in (1.36 Nm)

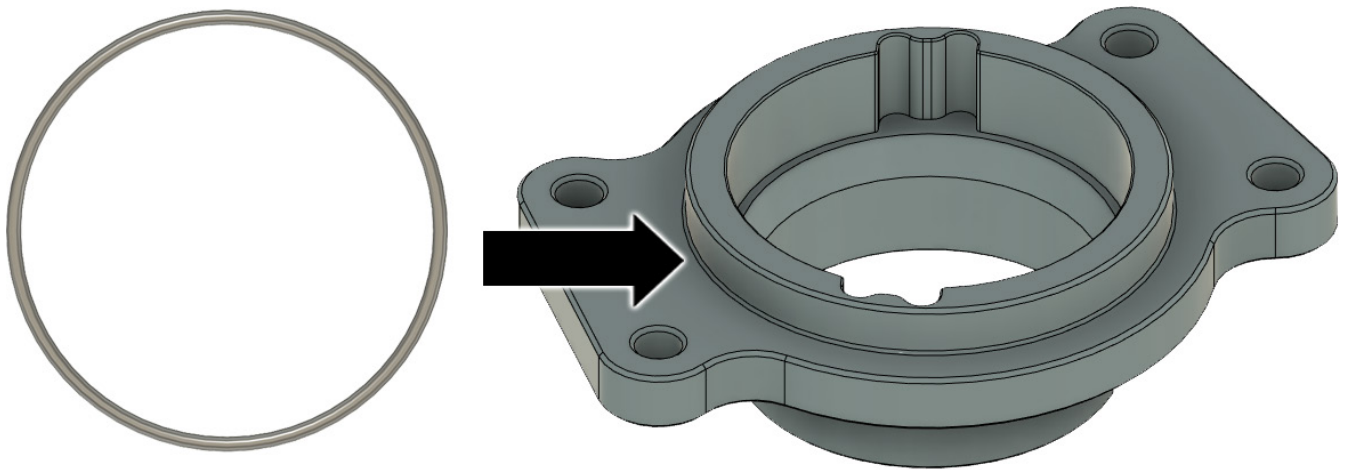
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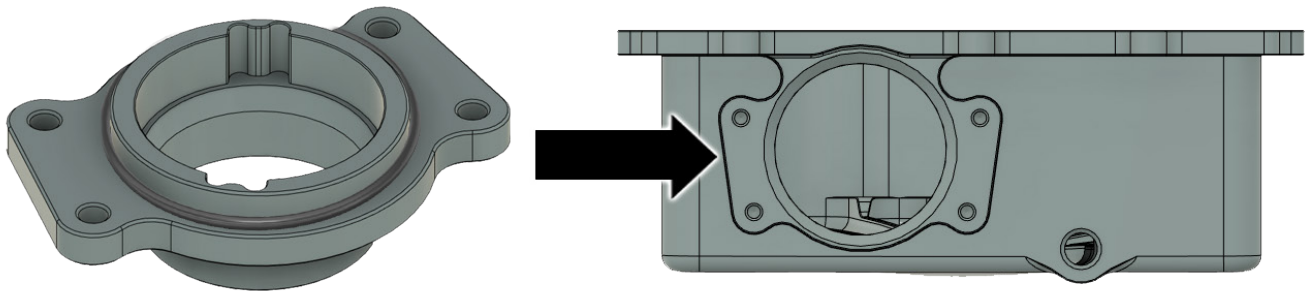
13. Install supplied o-ring onto the transmission pick up tube extension.

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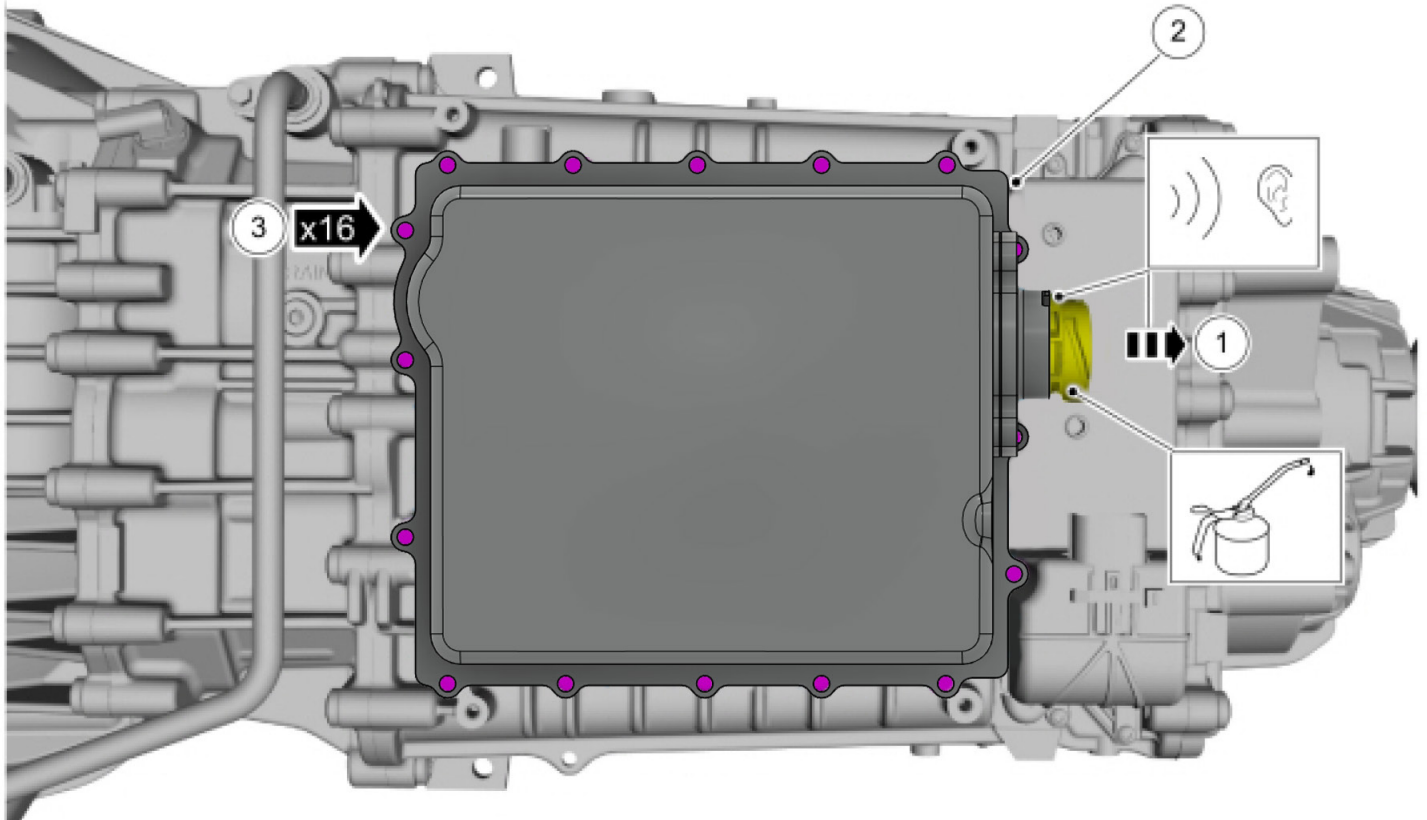
14. Lube o-ring and install the pick up tube extension onto the transmission pick up tube as shown.

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15. Install provided o-ring onto the bulkhead electrical connector adapter flange as shown. Lube o-ring.

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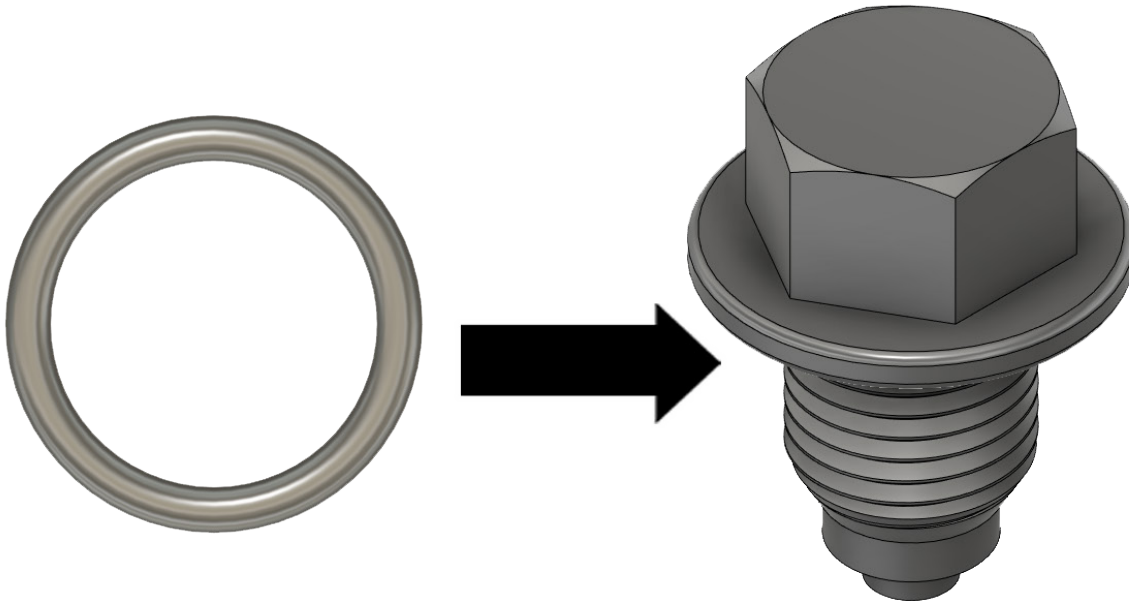
16. Install bulkhead connector adapter flange onto the billet transmission pan using the (4) counter sunk screws provided. Place a dab of blue Loctite on the threads and torque to 71 in lbs. (8 Nm).

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17. Install billet transmission pan to TR-9070 transmission.

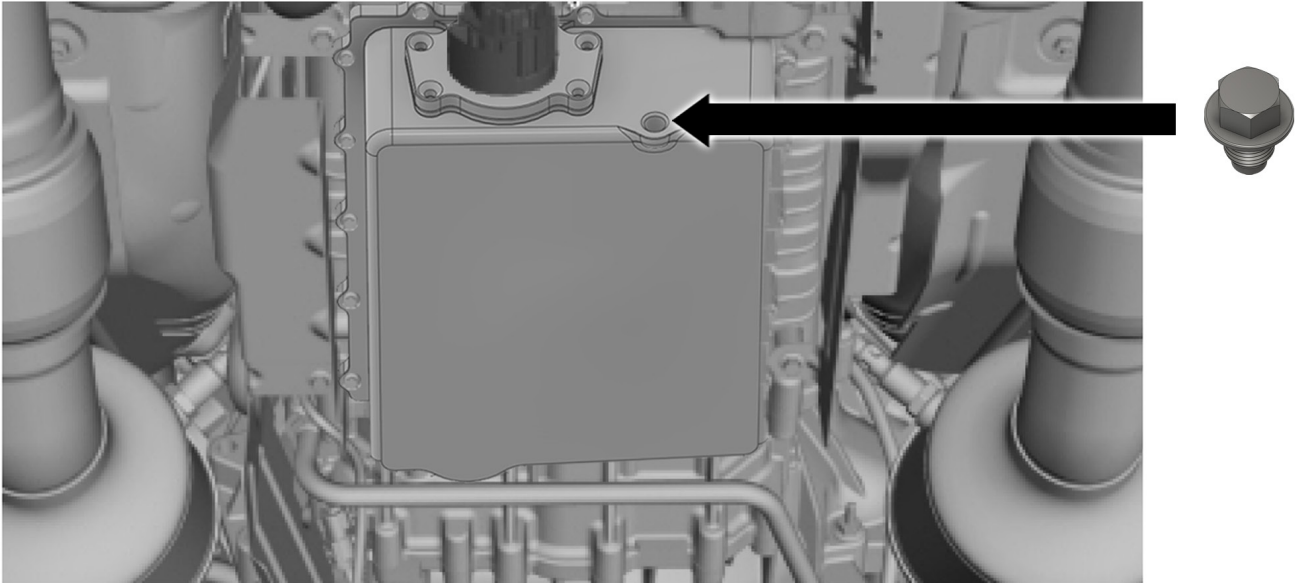
1. Lube and install the bulkhead electrical connector by pushing it through the transmission pan. Listen for the connector to snap in to locked position.
2. Install the transmission fluid pan.
3. Install the transmission fluid pan bolts.

Torque: 71 lb.in (8 Nm)

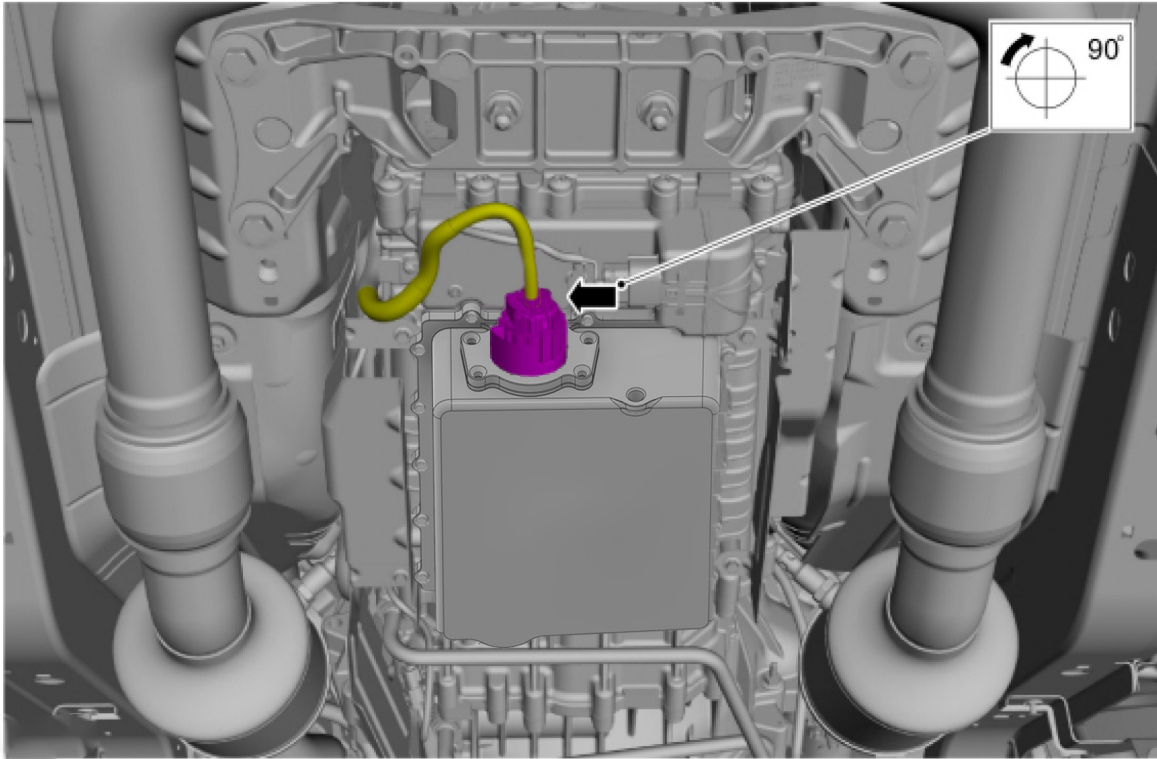
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18. Install provided o-ring onto the supplied drain plug. Lube o-ring.

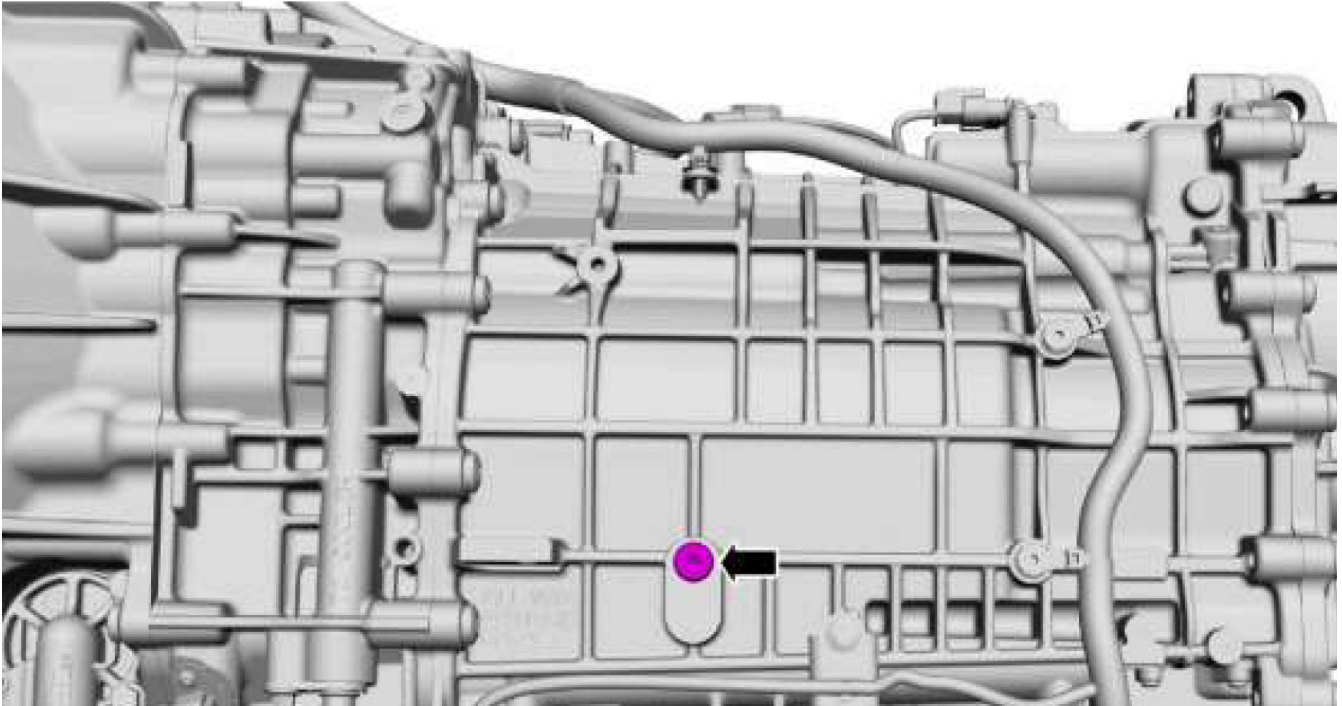
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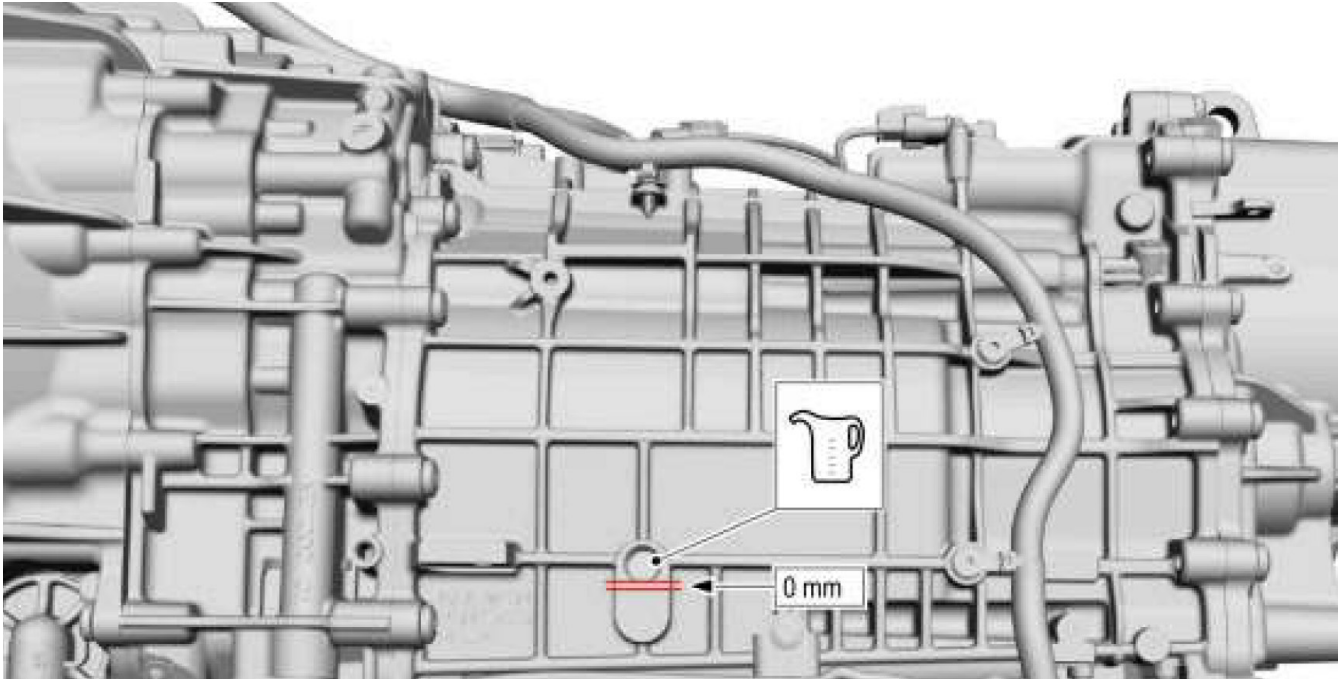
19. Install drain plug into billet transmission pan as shown. Torque: 53 in.lb (6 Nm)

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19. Connect the bulkhead electrical connector. Secure the connector by rotating the connector clockwise until it locks in place.

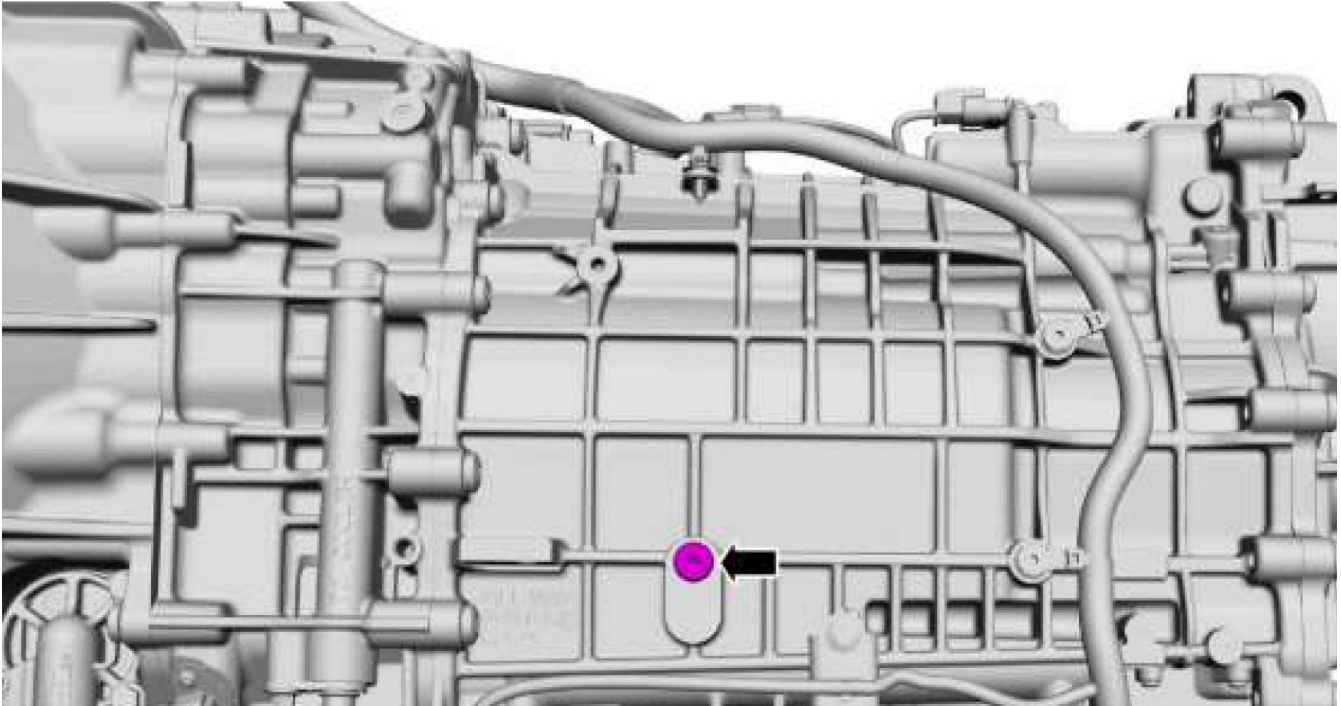
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21. NOTE: Make sure that the vehicle is level and remove the transmission fluid fill plug.

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22. Using the fluid dispenser, add the transmission fluid through the transmission fluid fill hole. Fill the transmission until the fluid is level with the fill hole.

Use Motorcraft® GT500 Dual Clutch Transmission Fluid/ XT-14-L

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23. Install the transmission fluid fill plug. Torque: 133 lb.in (15 Nm)
24. Reconnect battery.
25. Start vehicle and let engine run for 5-10 minutes. Turn off engine.
26. Note: Make sure vehicle is level.
27. Remove transmission fluid plug shown.
28. Using the fluid dispenser, add the transmission fluid through the transmission fluid fill hole. Fill the transmission until the fluid is level with the fill hole. Total fluid capacity should be 9 quarts.

Use Motorcraft® GT500 Dual Clutch Transmission Fluid/ XT-14-L

29. Install the transmission fluid fill plug. Torque: 133 lb.in (15 Nm)