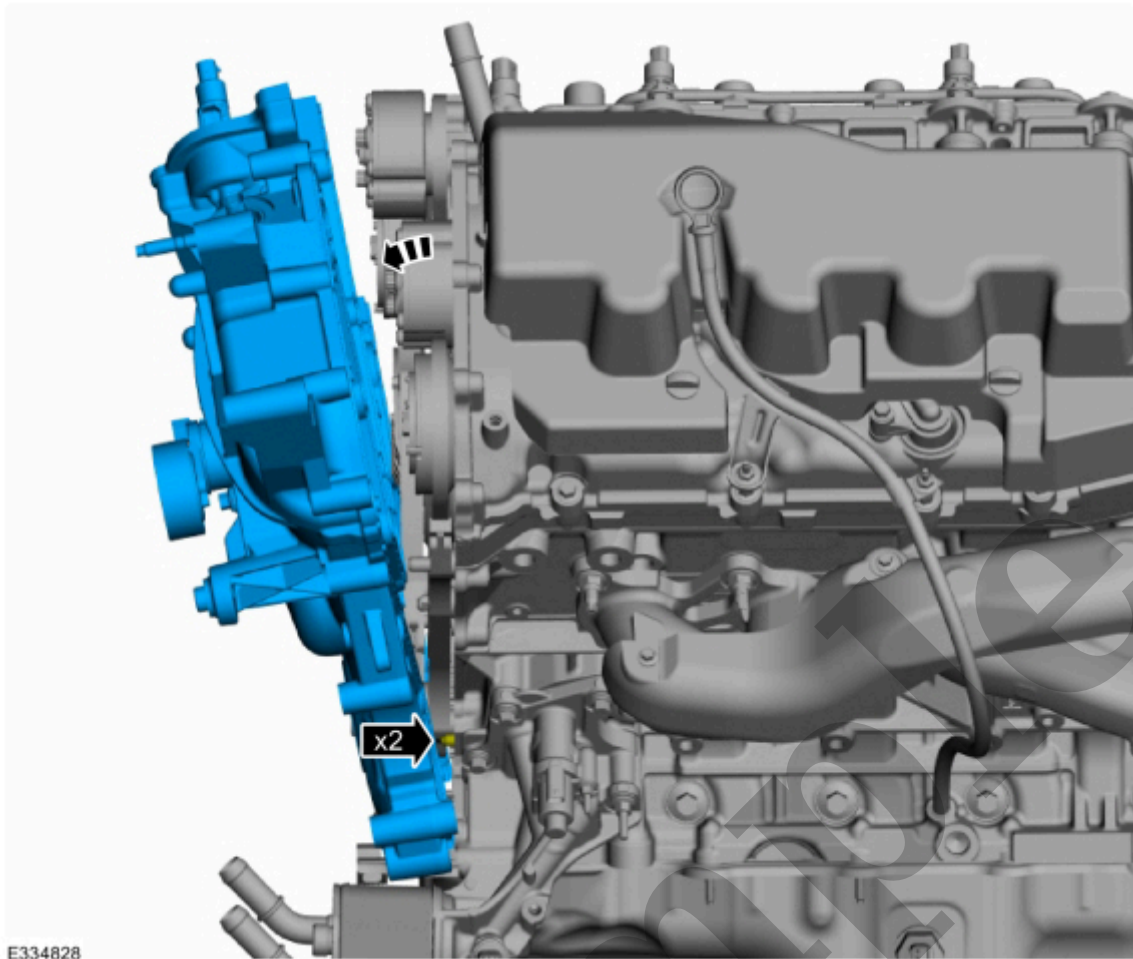


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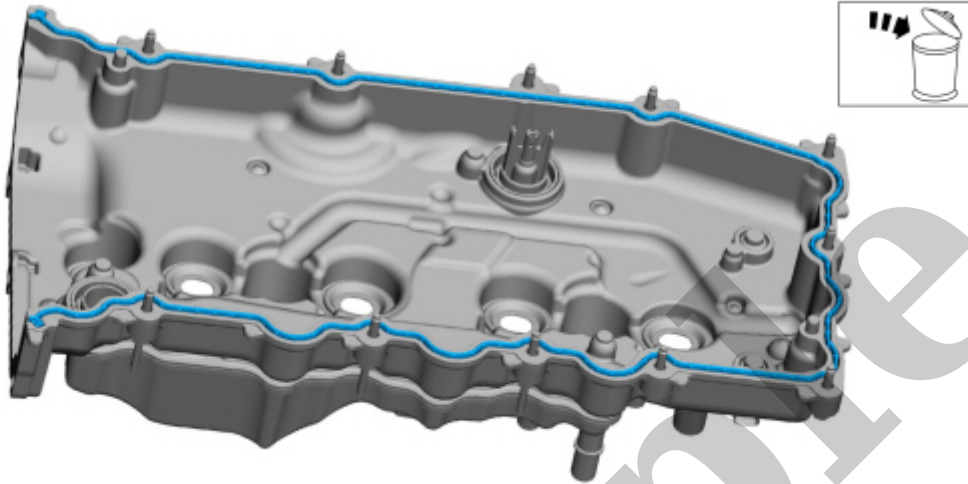
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56. Remove and discard the gaskets.

58. **NOTE**

Clean the valve cover gasket groove with soap and water or a suitable solvent.

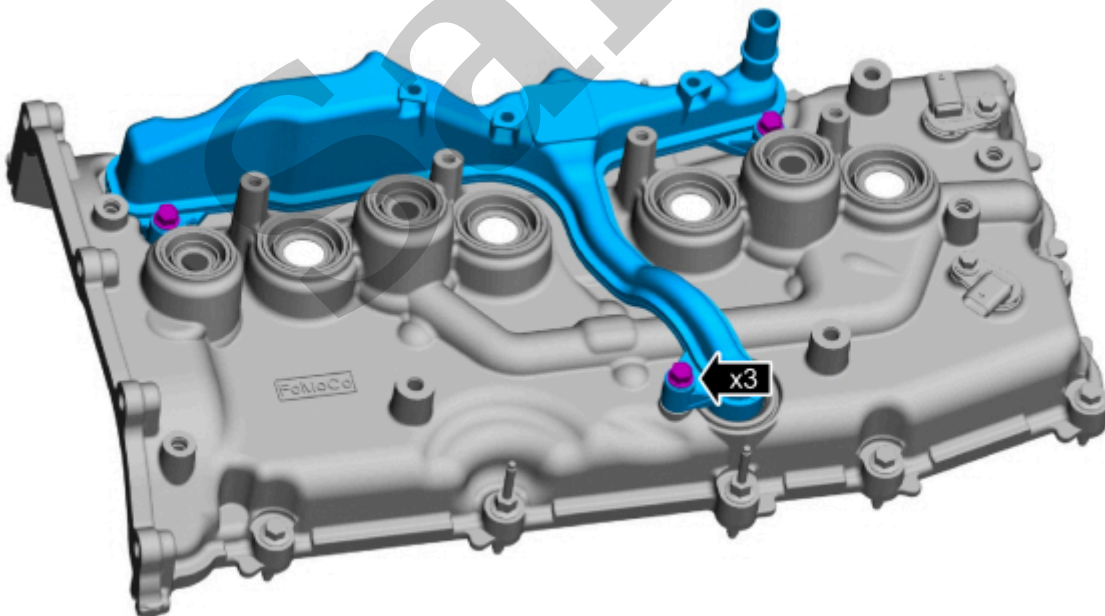
Remove and discard the gasket.



E332178

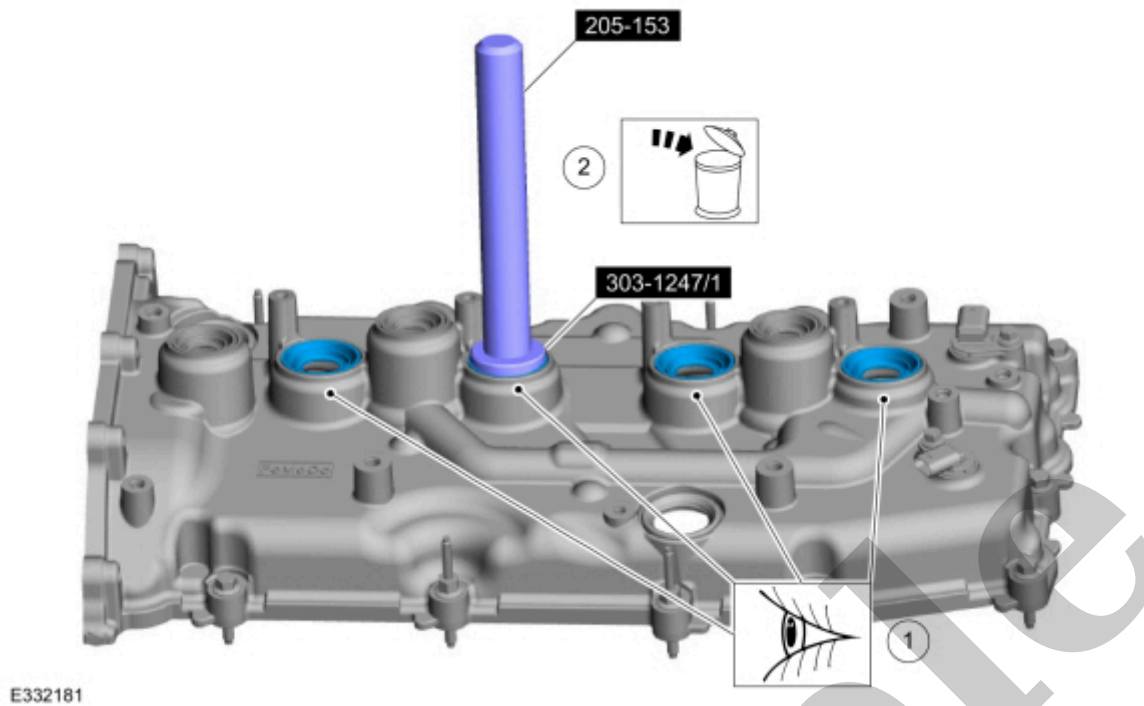
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59. If necessary, remove the bolts and the crankcase vent oil separator.



E332180

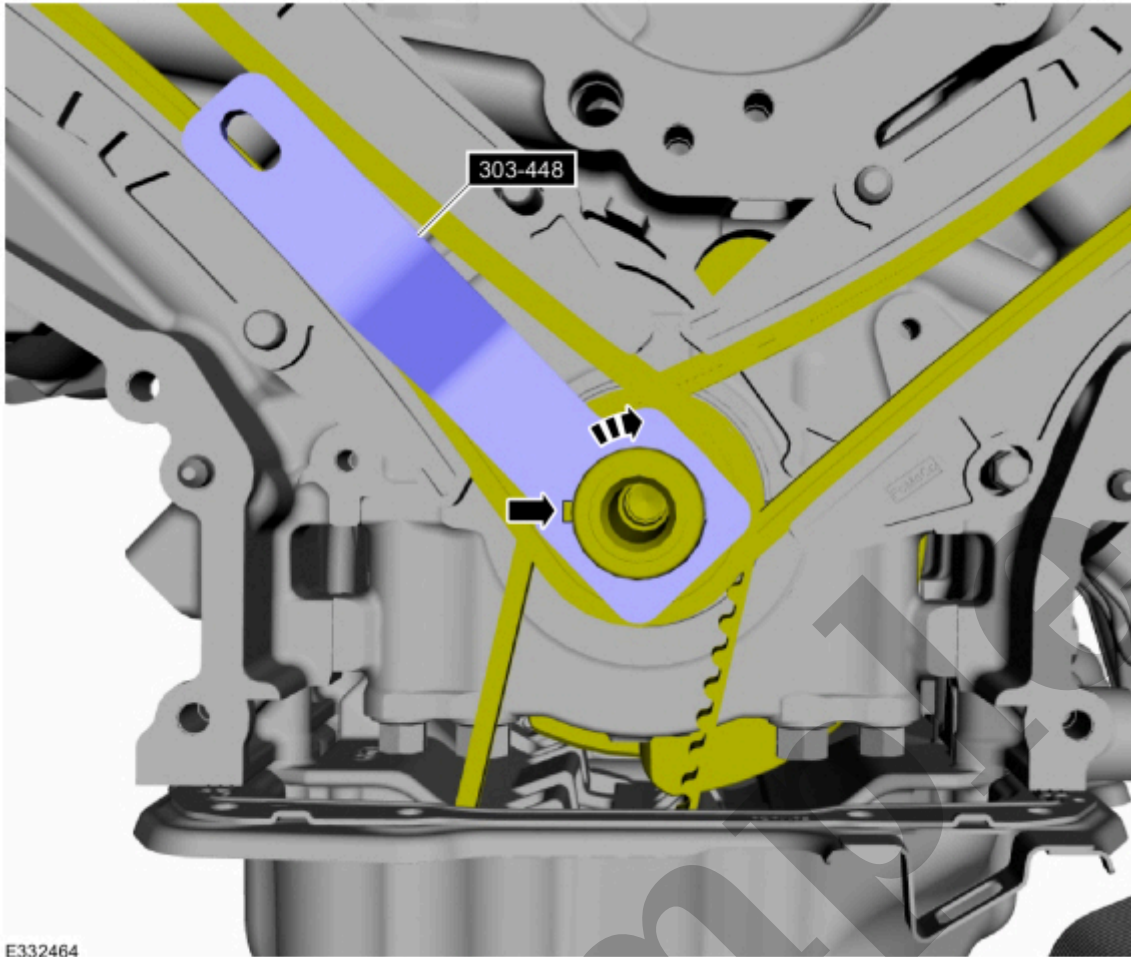
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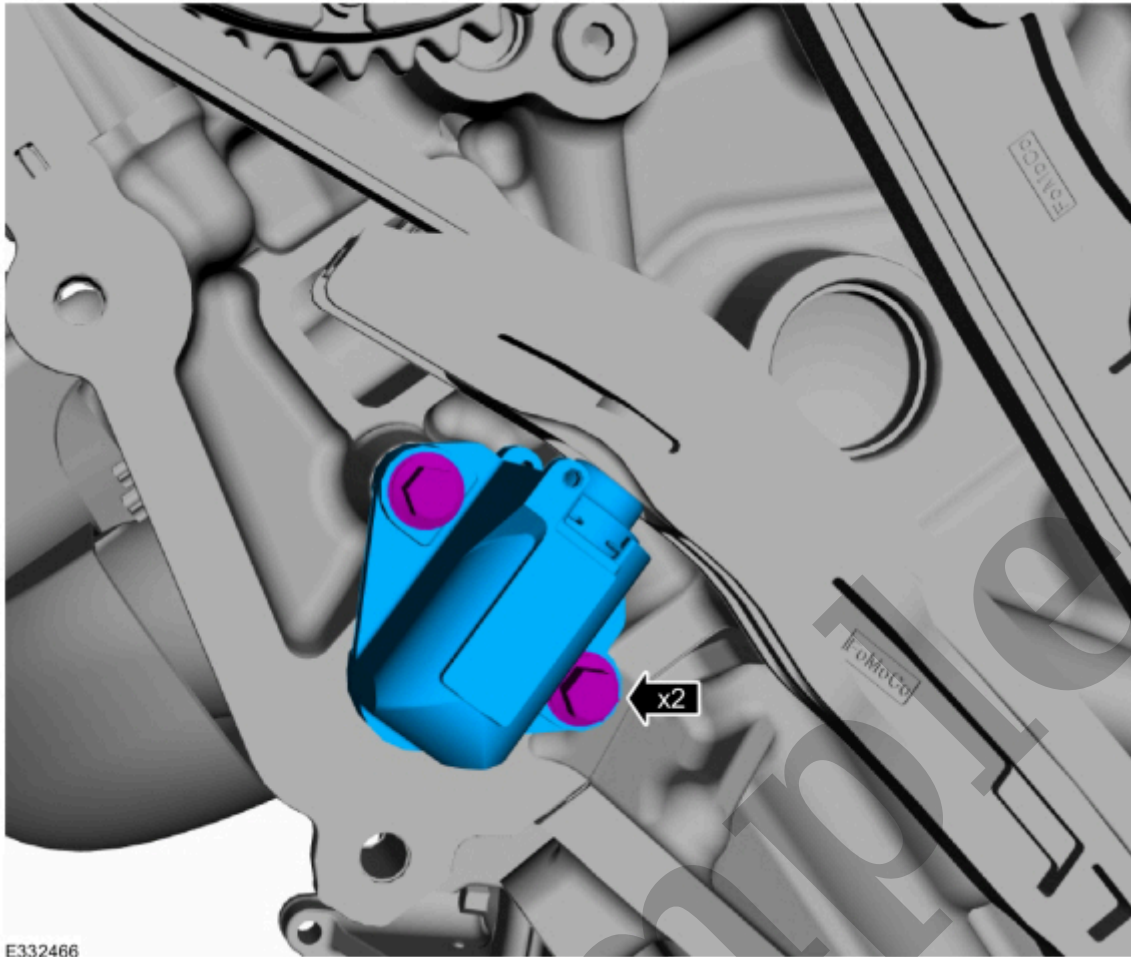
62. 1. Inspect the VCT (variable camshaft timing) oil control solenoid seal and the cylinder deactivation solenoid seals.
2. Remove and discard any damaged seals using the special tools.

Use Special Service Tool : 205-153 (T80T-4000-W) Handle , 205-142 (T80T-4000-J) Installer, Differential Bearing Cone



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65. Verify the timing mark on the RH (right-hand) VCT (variable camshaft timing) unit is on top, if not, rotate the crankshaft clockwise one complete revolution so the keyway is at the 9:00 position.

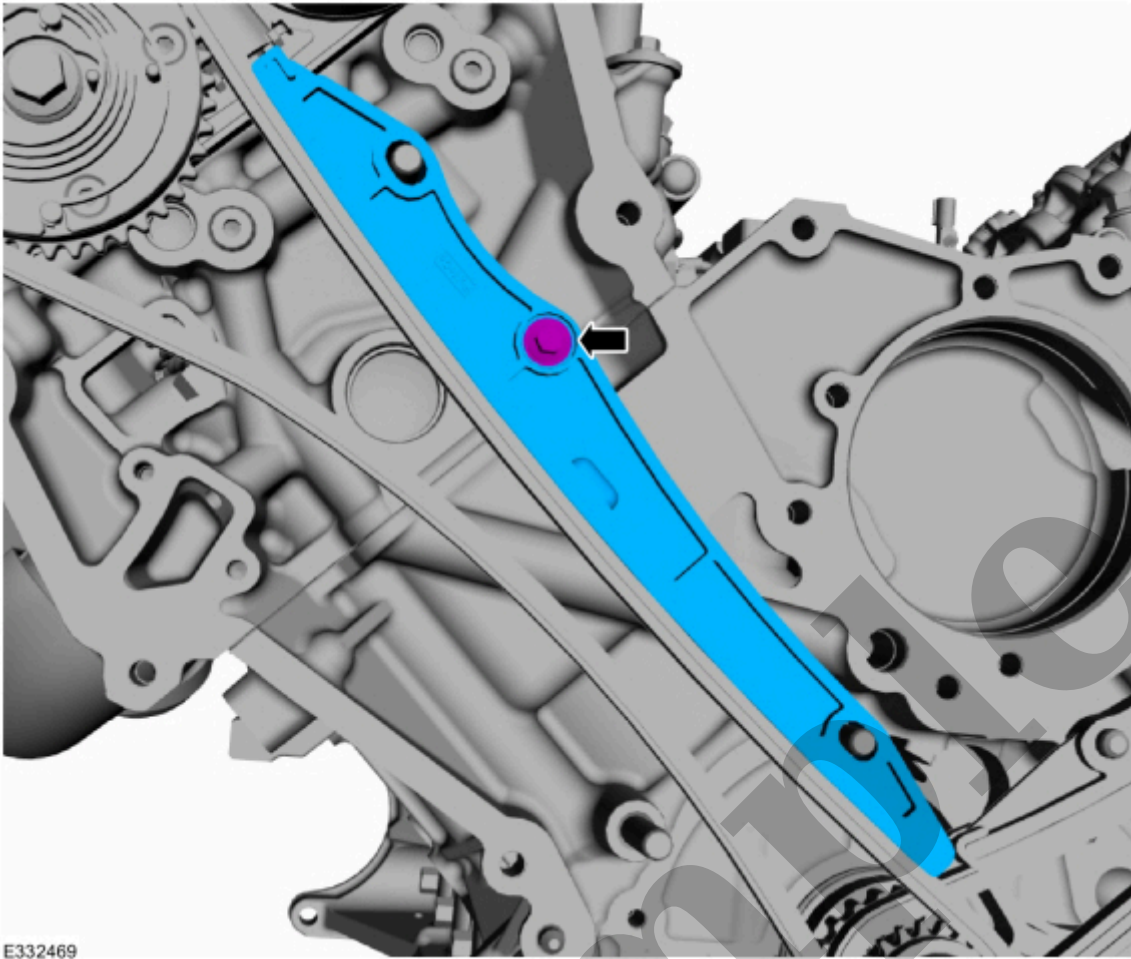


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67. **NOTE**

It may be necessary to rotate the crankshaft slightly to provide enough slack in the chain to remove the RH (right-hand) timing chain tensioner arm. Return the crankshaft keyway to the 9:00 position after removing the RH (right-hand) timing chain tensioner arm.

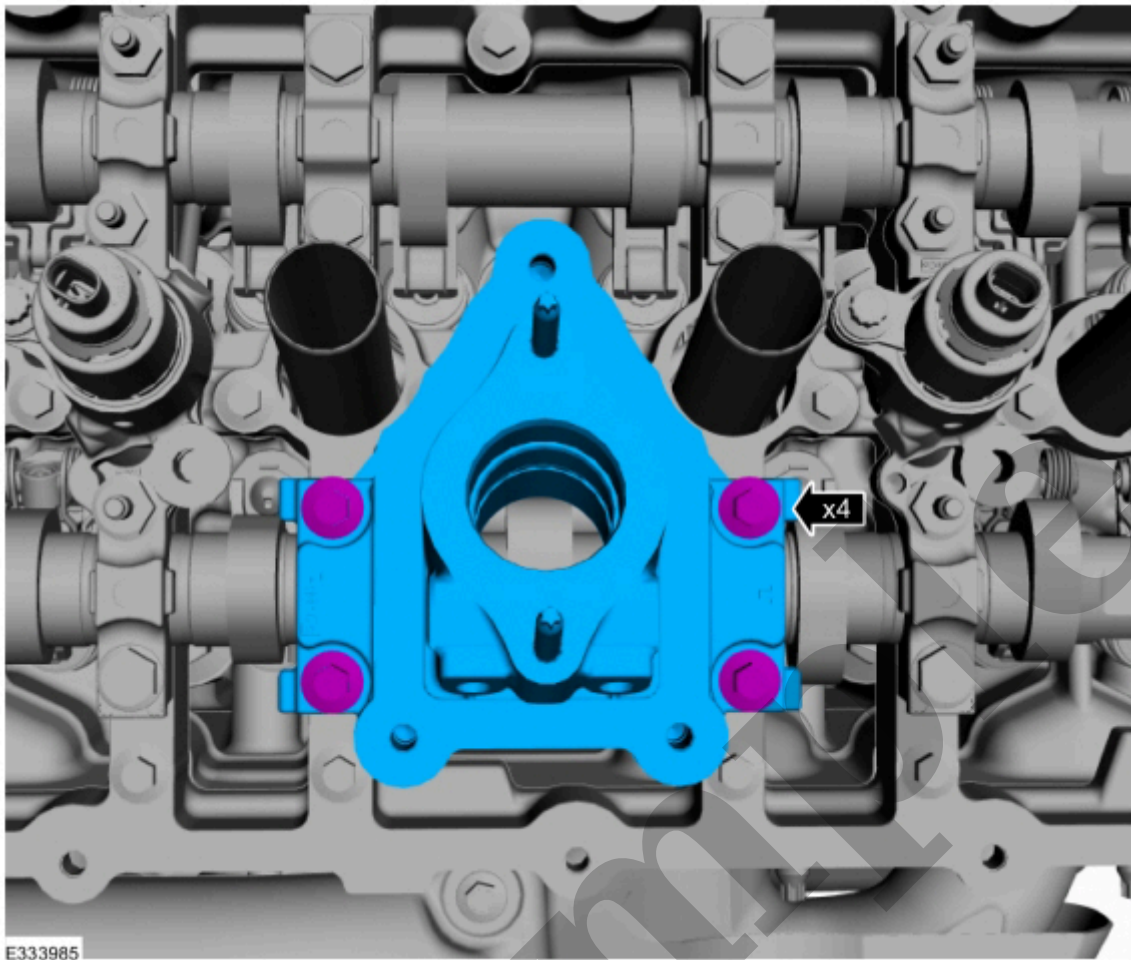
Remove the RH (right-hand) timing chain tensioner arm.



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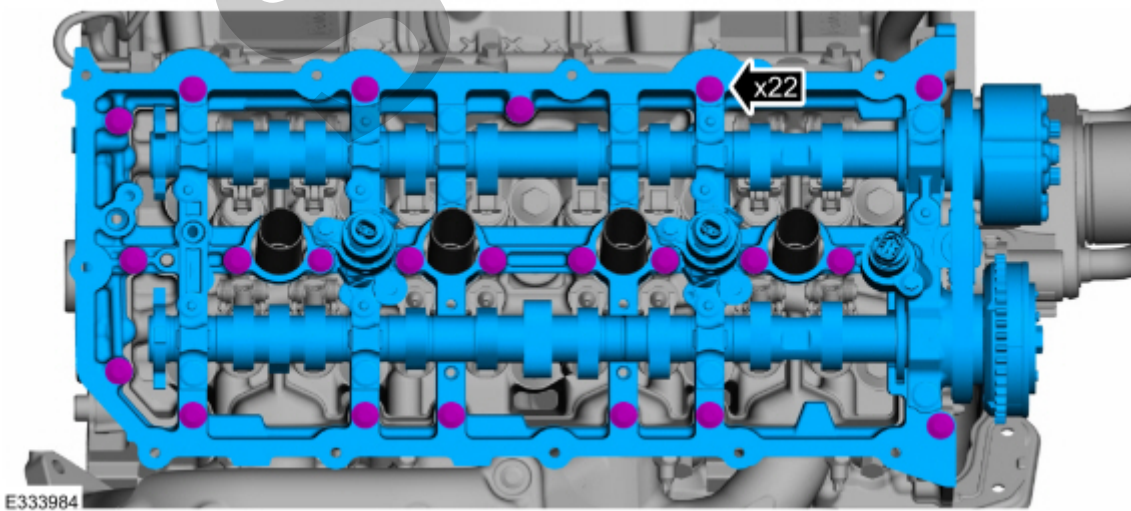
69. Remove the RH (right-hand) timing chain.

71. Remove the bolts and the camshaft cap.

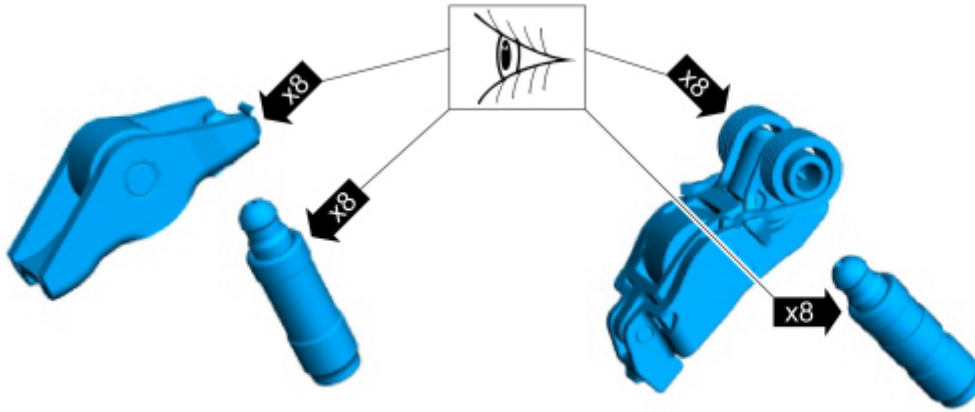


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72. Remove the bolts and the camshaft and carrier assembly.



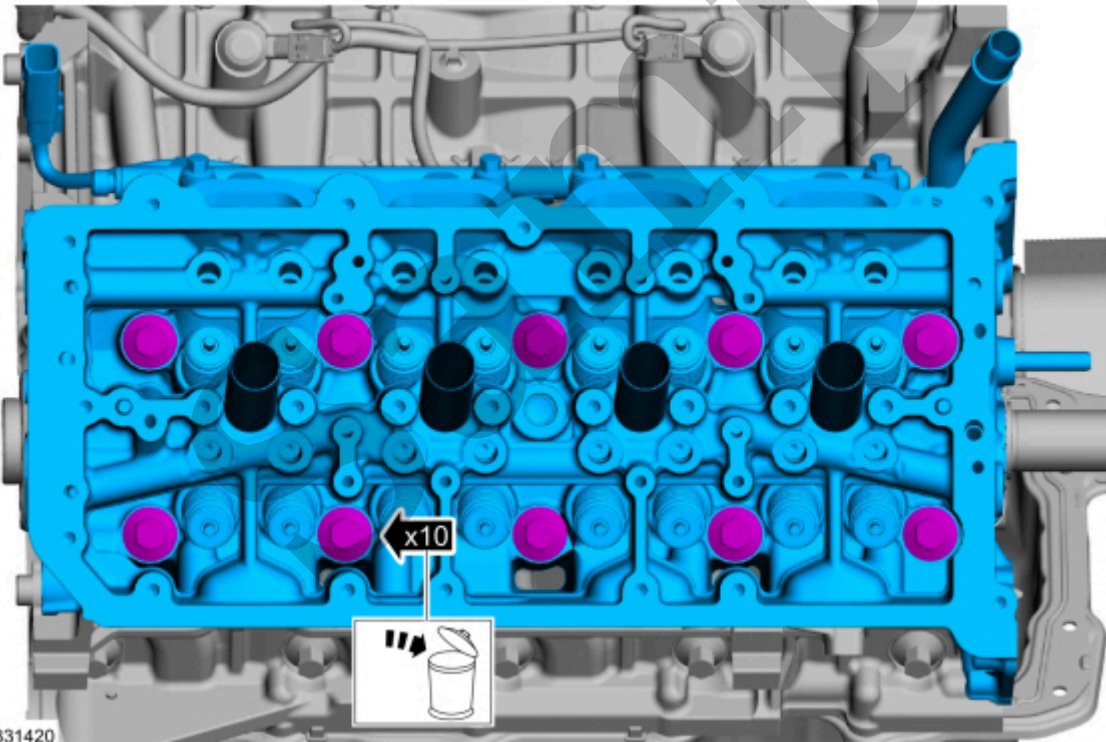
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76. • Remove and discard the bolts.
- Remove the cylinder head.

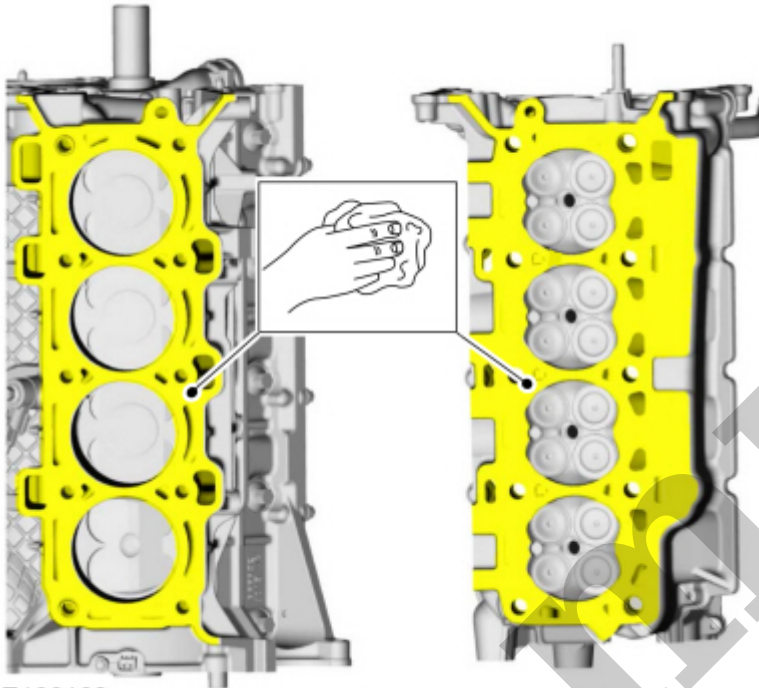


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77. Remove and discard the cylinder head gasket.

- Clean and inspect the cylinder head-to-cylinder block mating surfaces of both the cylinder head and the cylinder block
- Refer to: [Cylinder Head Distortion](#)(303-00 Engine System - General Information, General Procedures).
- Refer to: [Cylinder Block Distortion](#)(303-00 Engine System - General Information, General Procedures).



E186162

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80. Using the special tool, rotate the crankshaft clockwise one complete revolution.

Use Special Service Tool : 303-448 (T93P-6303-A) Holding Tool, Crankshaft