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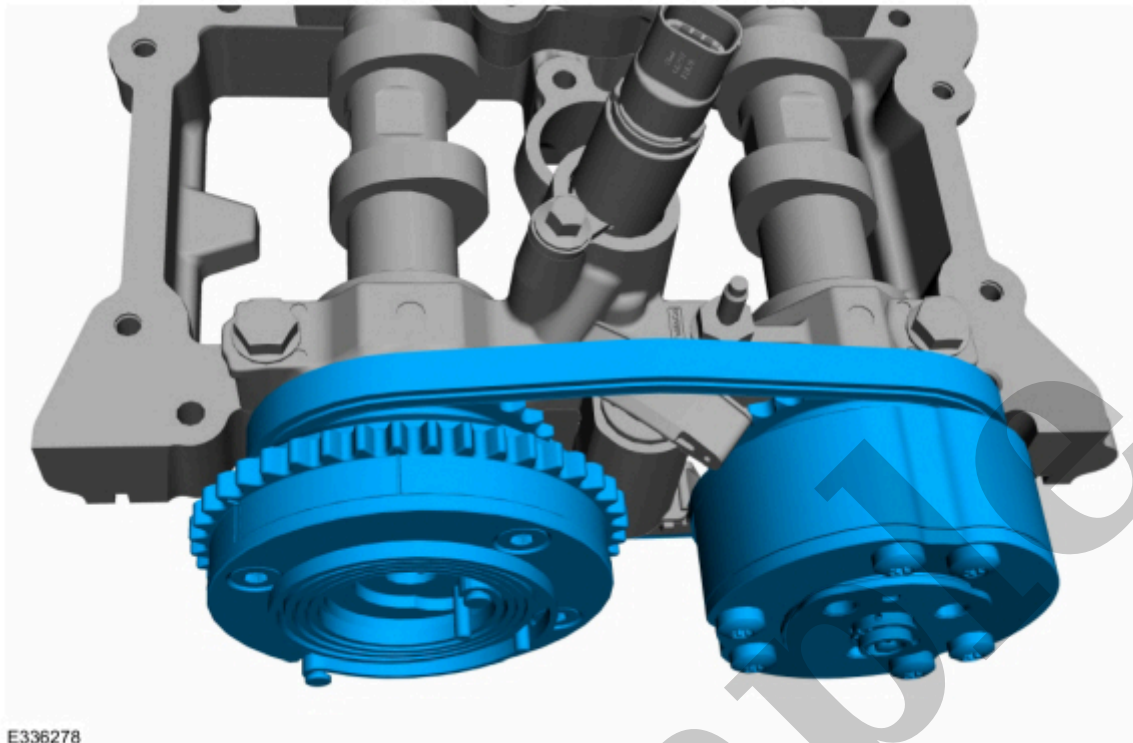
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## 2015 Ford Transit-350 Service and Repair Manual

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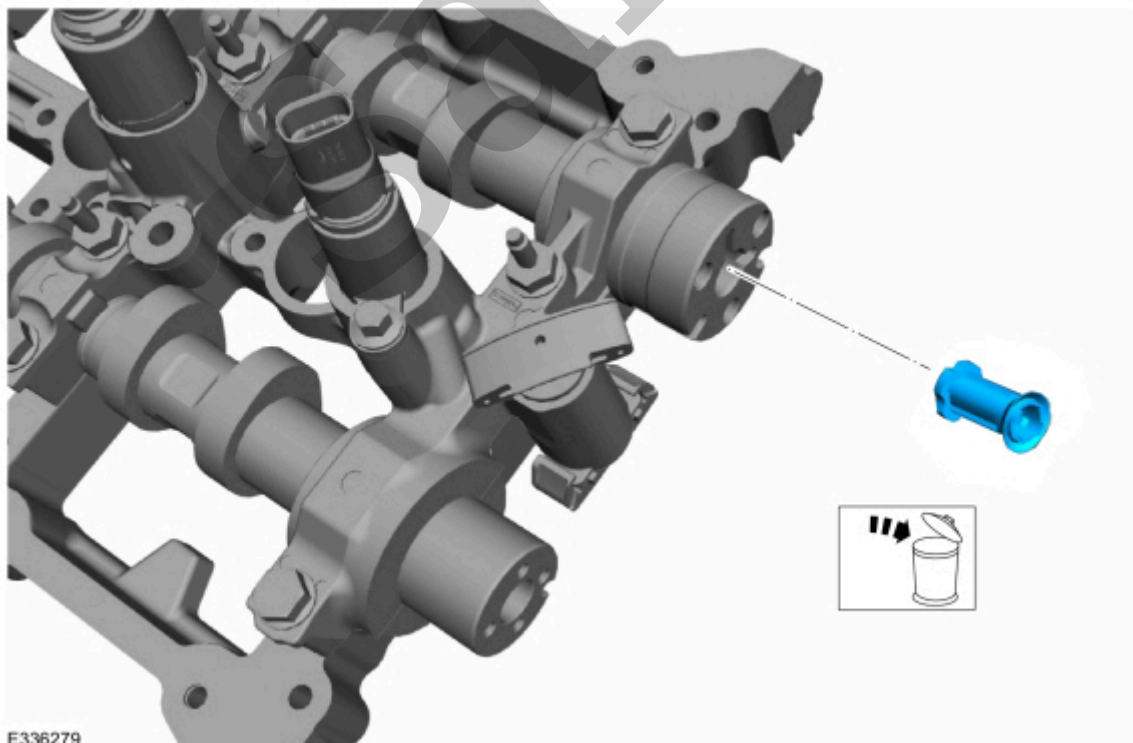
4. Remove the VCT (variable camshaft timing) assemblies and the secondary timing chain.



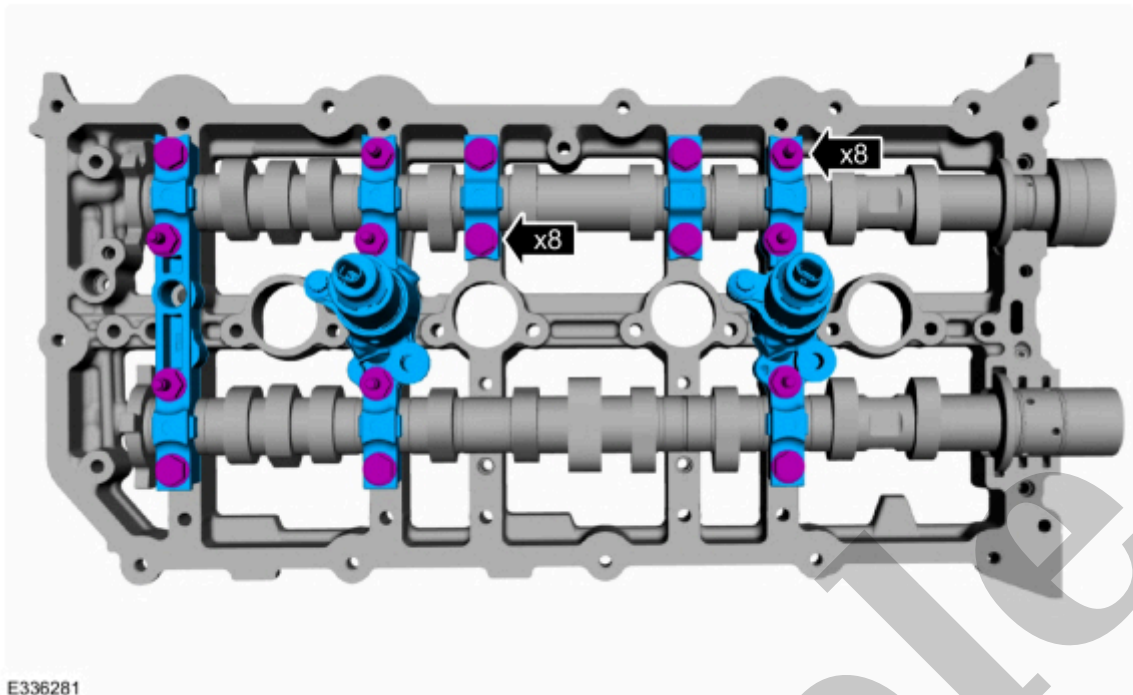
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5. Remove and discard the VCT (variable camshaft timing) system oil filter.

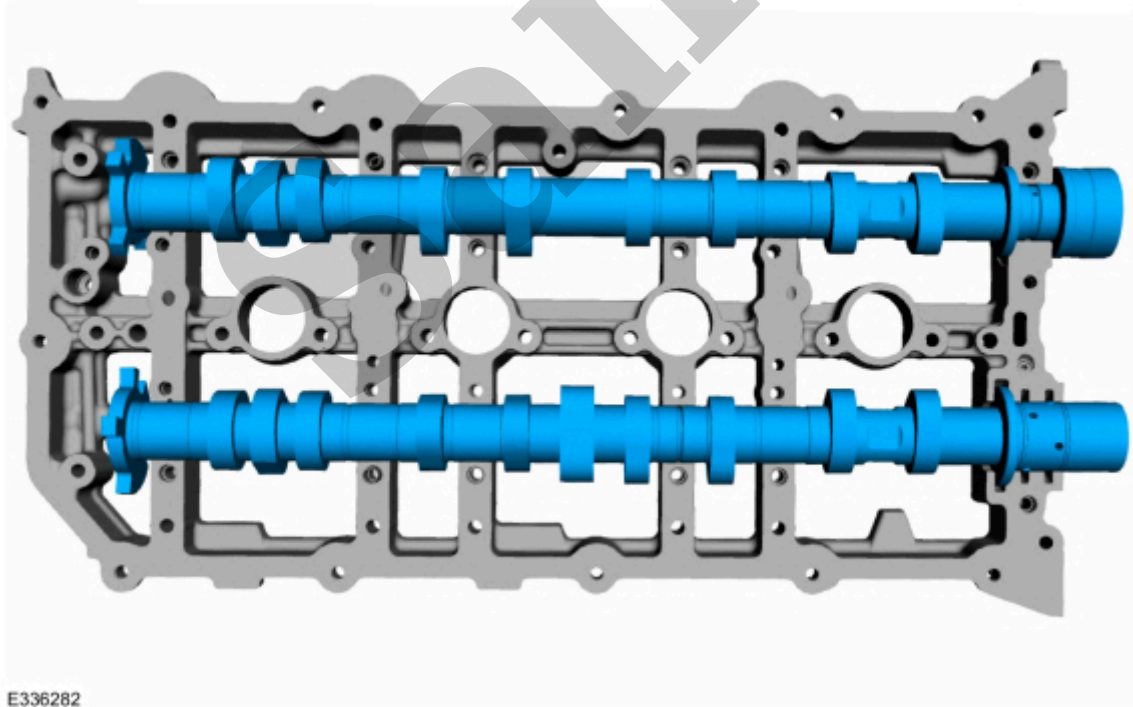


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8. Remove the intake and exhaust camshafts.

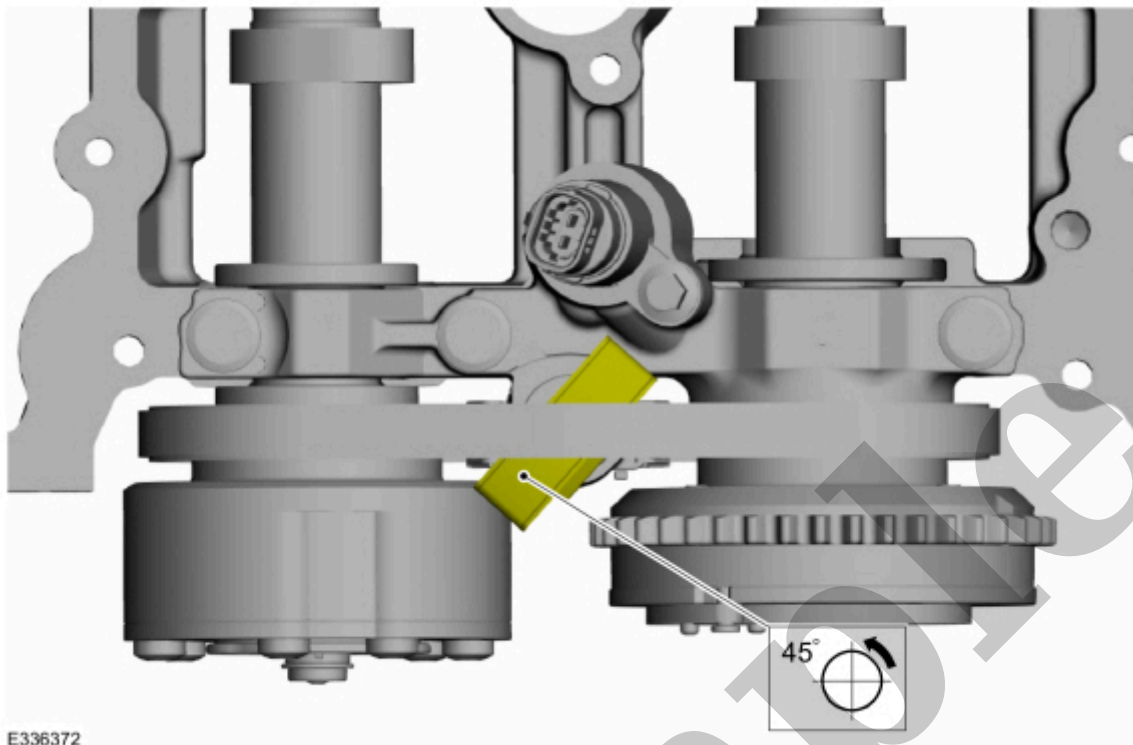


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**Left hand camshaft and carrier assembly**

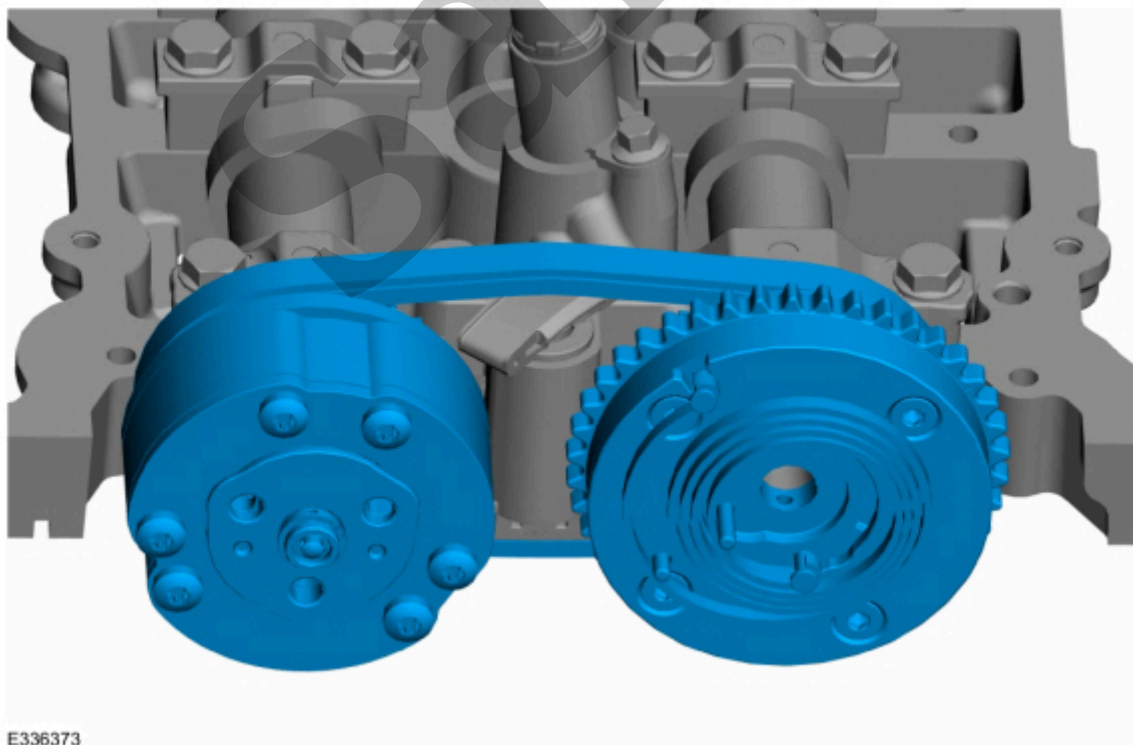
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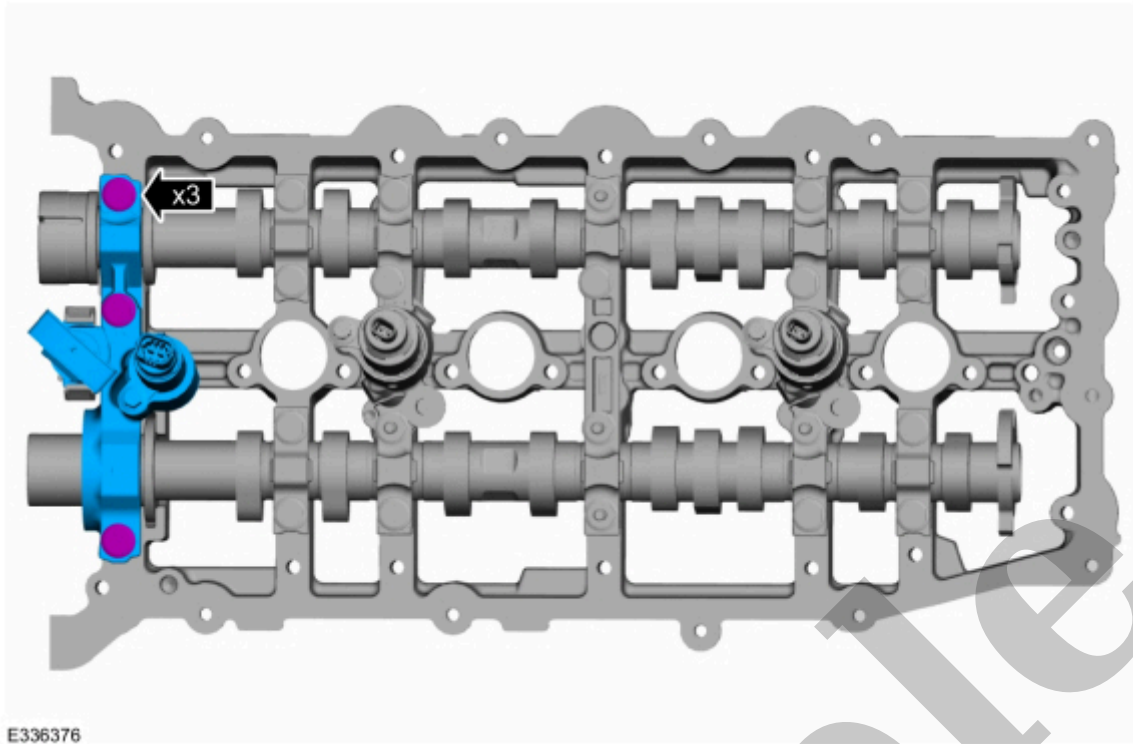
11. Depress and turn the secondary tensioner counterclockwise 45 degrees.



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12. Remove the VCT (variable camshaft timing) assemblies and the secondary timing chain.

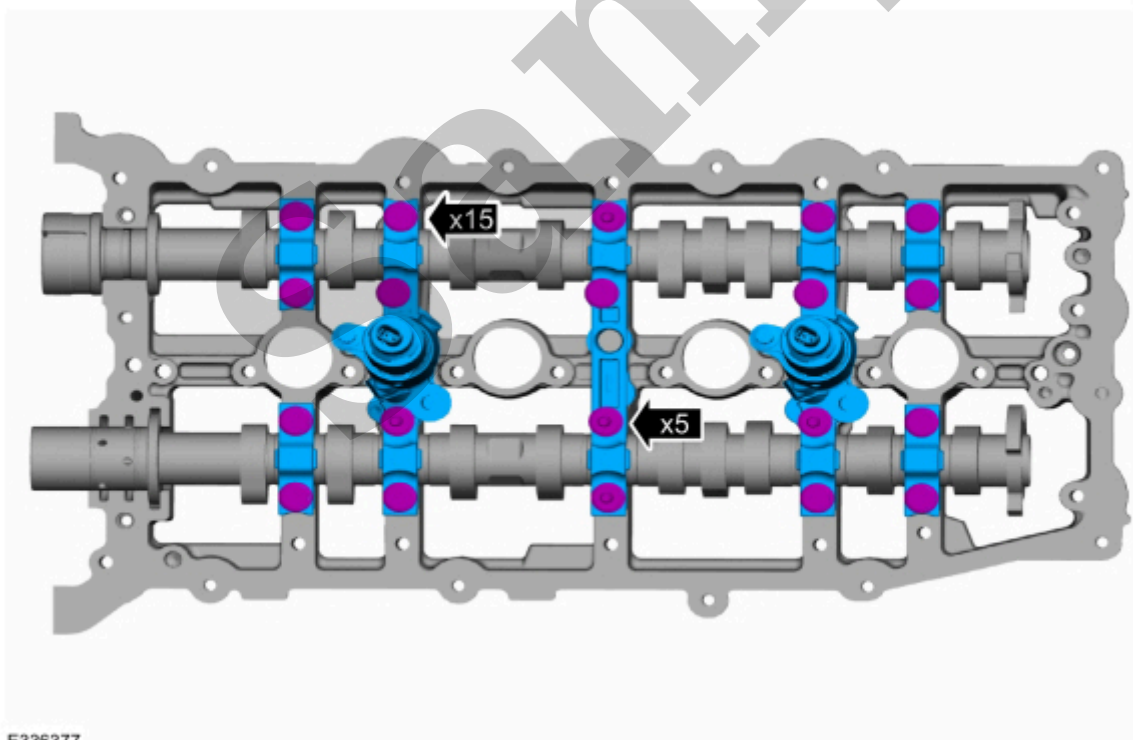




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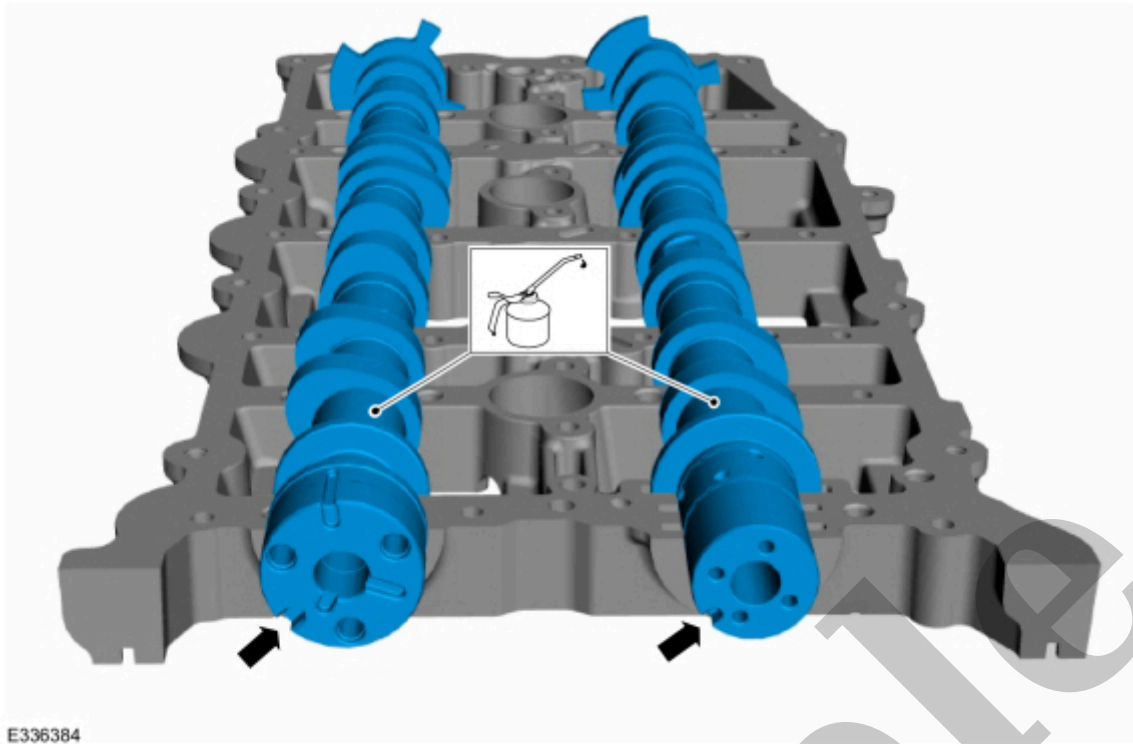
15. Remove the bolts and the camshaft bearing caps.



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16. Remove the intake and exhaust camshafts.

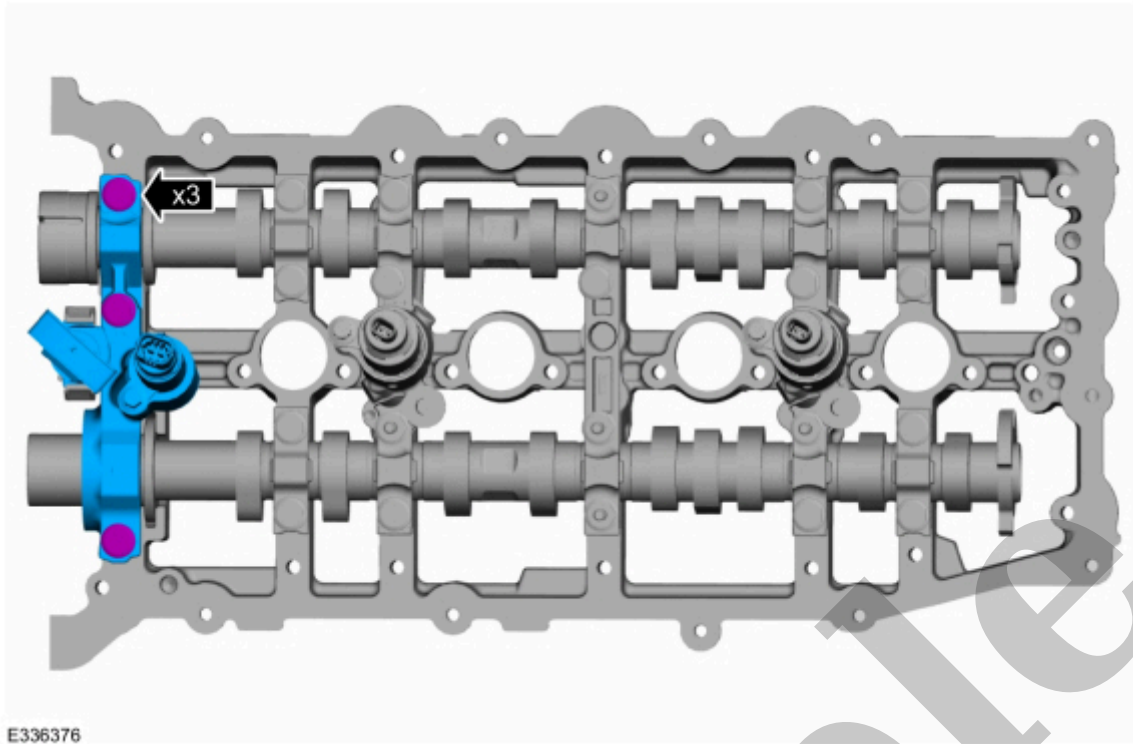


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2. **NOTE**

Do not tighten at this time.

Install the camshaft bearing caps and the bolts.



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4. Tighten the bolts in sequence.

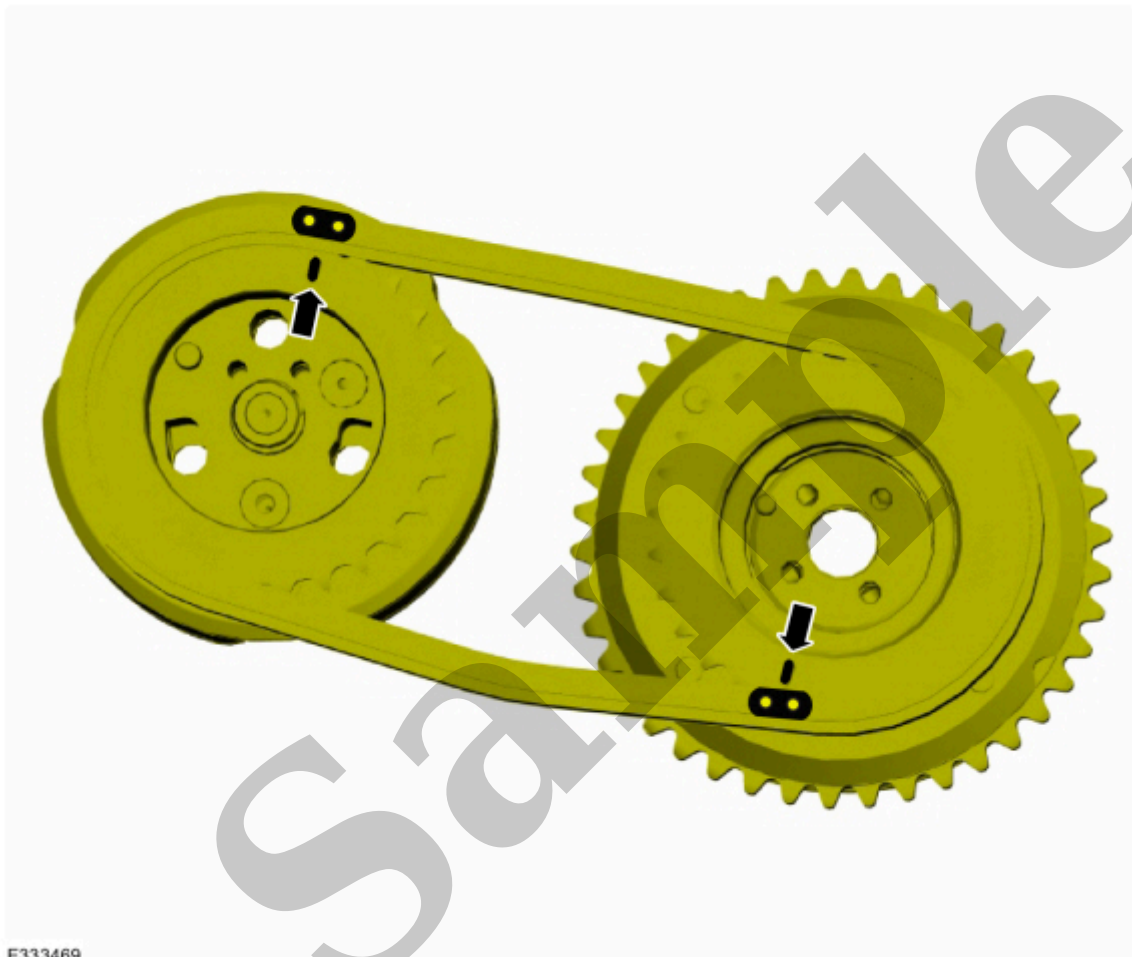
***Torque :***

Stage 1: 53 lb.in (6 Nm)

Stage 2: 45°

6. Position the secondary timing chain onto the VCT (variable camshaft timing) assemblies. Align the colored links on the secondary timing chain with the timing marks on the VCT (variable camshaft timing) assemblies as shown in the illustration.

- The timing mark on the intake VCT (variable camshaft timing) assembly should align with the colored link.
- The timing mark on the exhaust VCT (variable camshaft timing) assembly should align with the colored link.

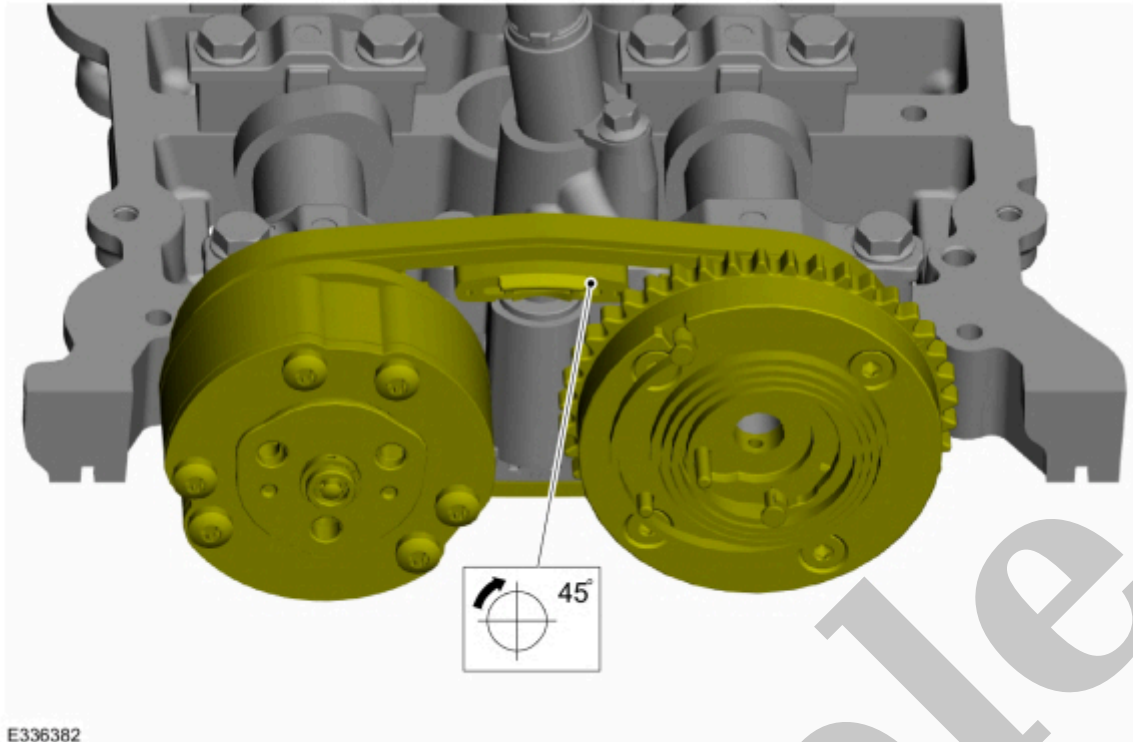


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7. Install the VCT (variable camshaft timing) assemblies and the secondary timing chain onto the camshafts. The timing mark on the exhaust VCT (variable camshaft timing) assembly should be in the position shown.



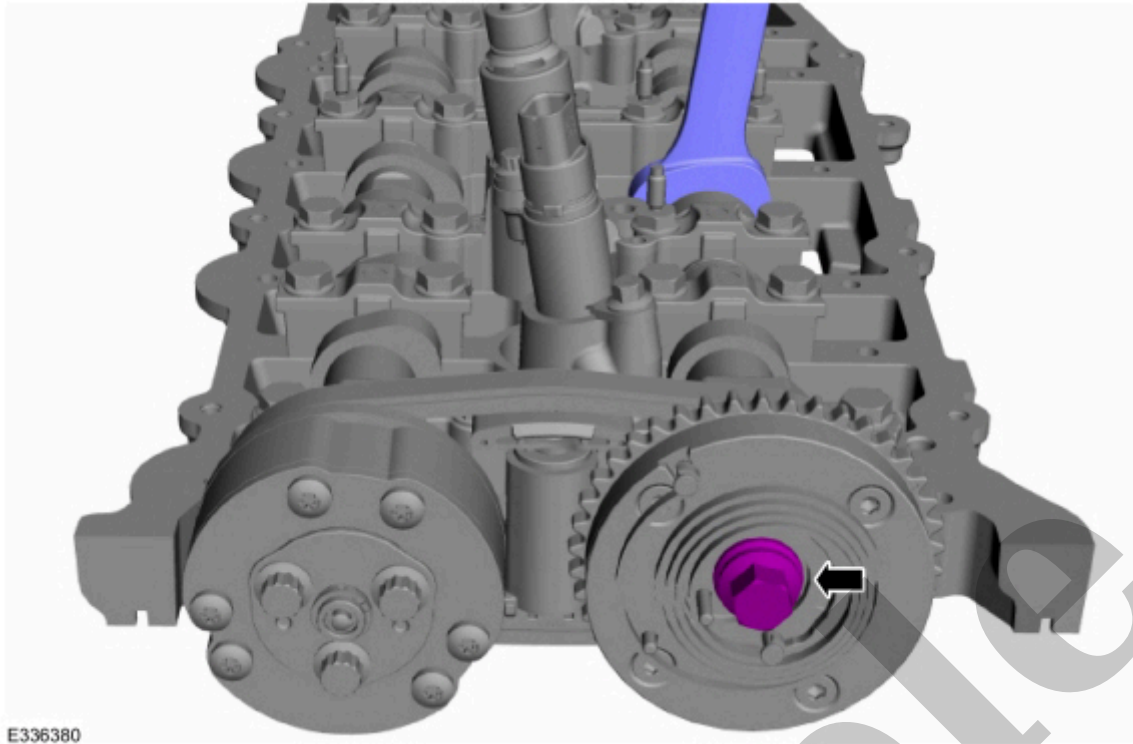


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9. **NOTE**

Do not tighten the bolts at this time.

1. Install a new exhaust VCT (variable camshaft timing) assembly bolt.
2. Install new intake VCT (variable camshaft timing) assembly bolts.



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11. **NOTE**

Use a wrench on the flats of the camshaft to hold the camshafts while tightening the VCT (variable camshaft timing) assembly bolts.

Tighten the intake VCT (variable camshaft timing) assembly bolts.

**Torque :**

Stage 1: 133 lb.in (15 Nm)

Stage 2: 90°