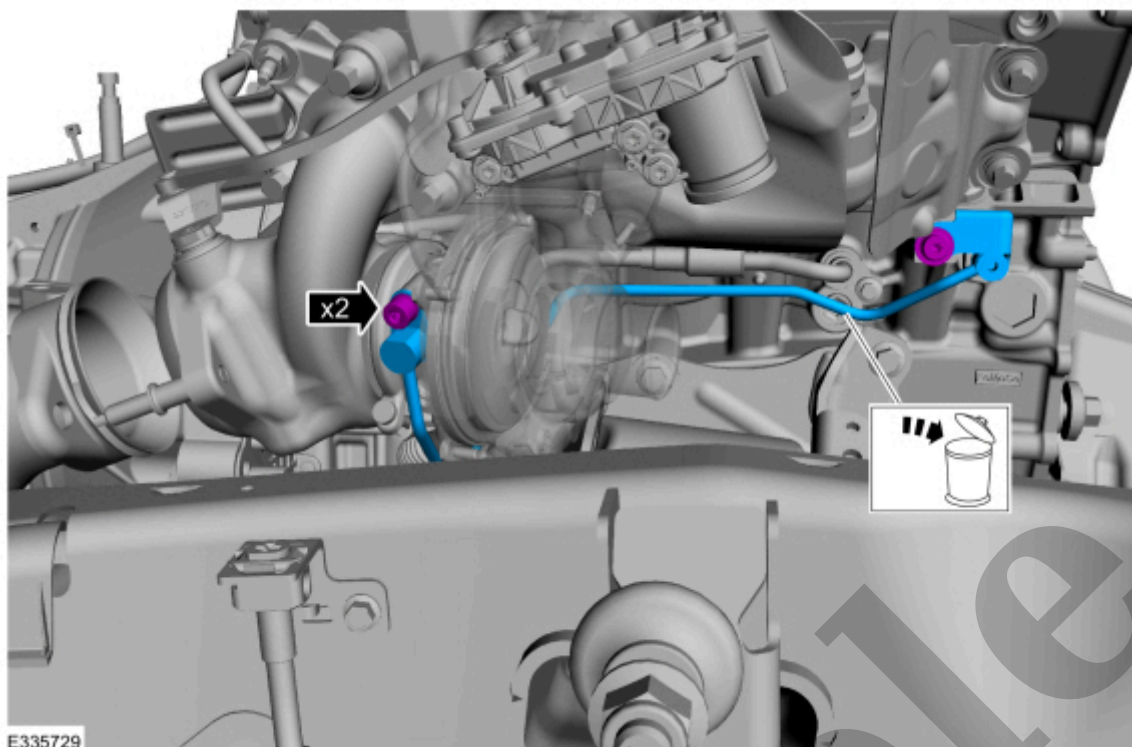


Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

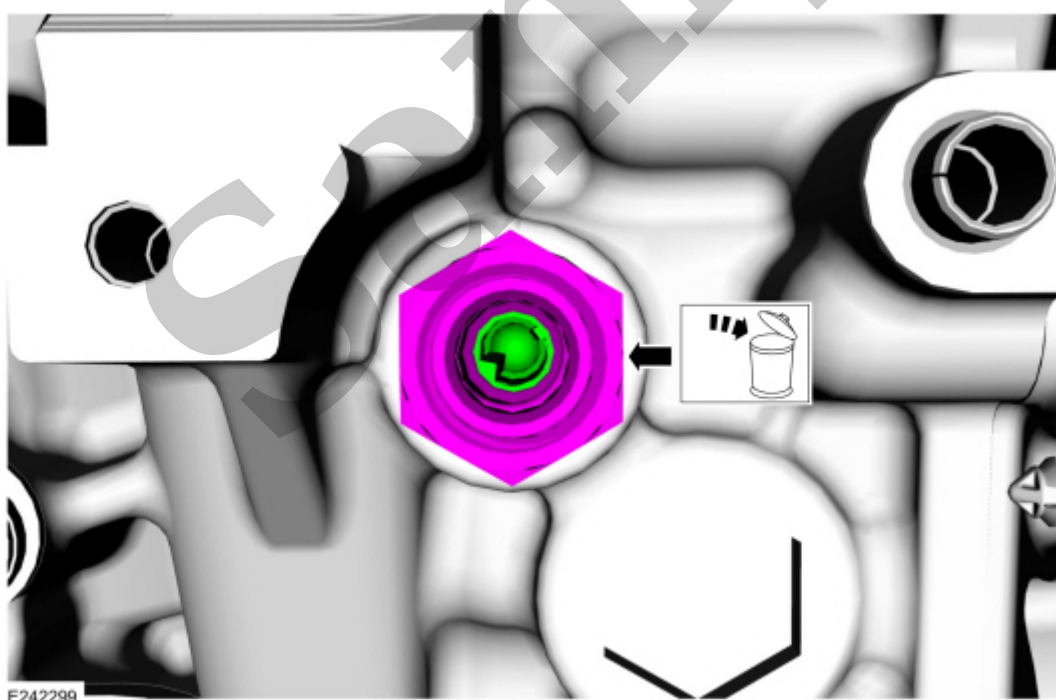
1976 Ford F-250 Service Manual

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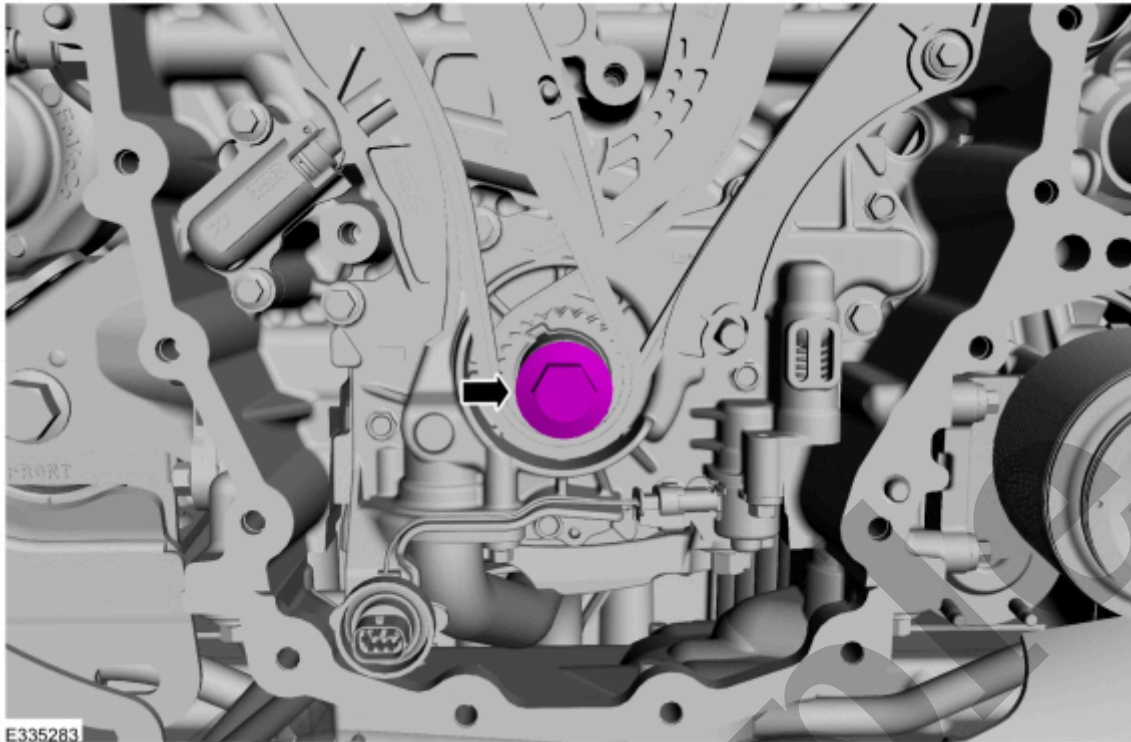
95. Remove and discard the turbocharger fitting and oil filter assembly from the engine block.



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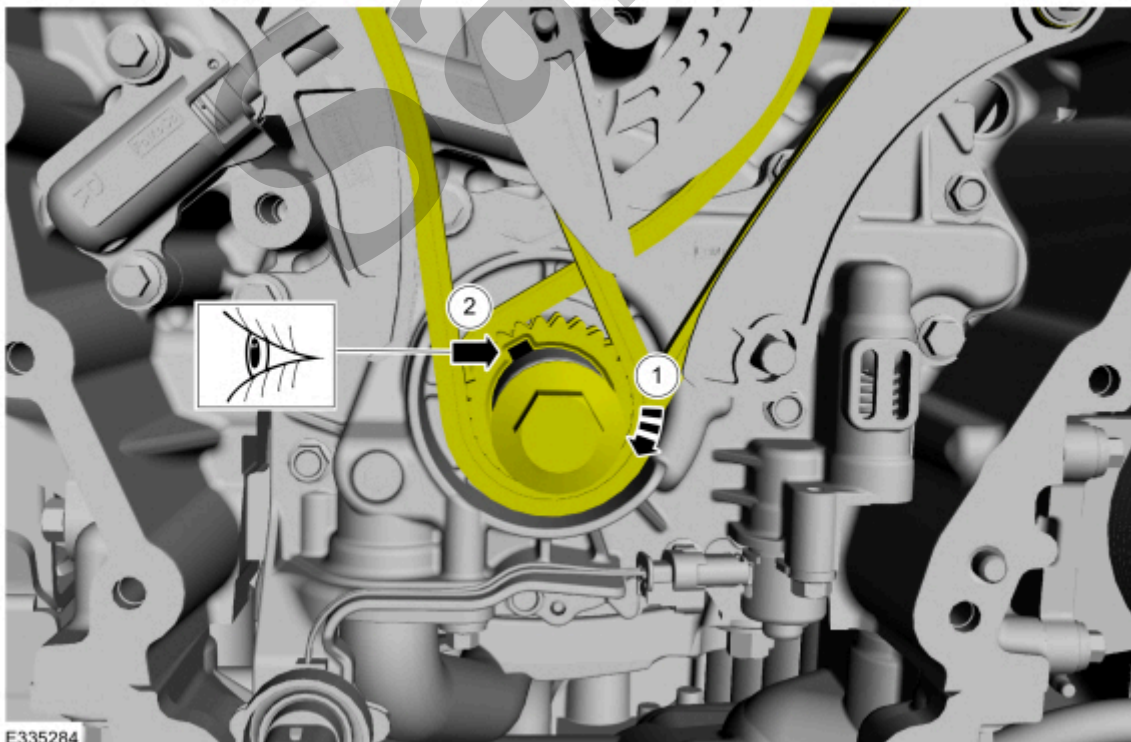
96. Remove the RH (right-hand) TC (turbocharger) oil return tube bolts, then remove and discard the TC (turbocharger) oil return tube.

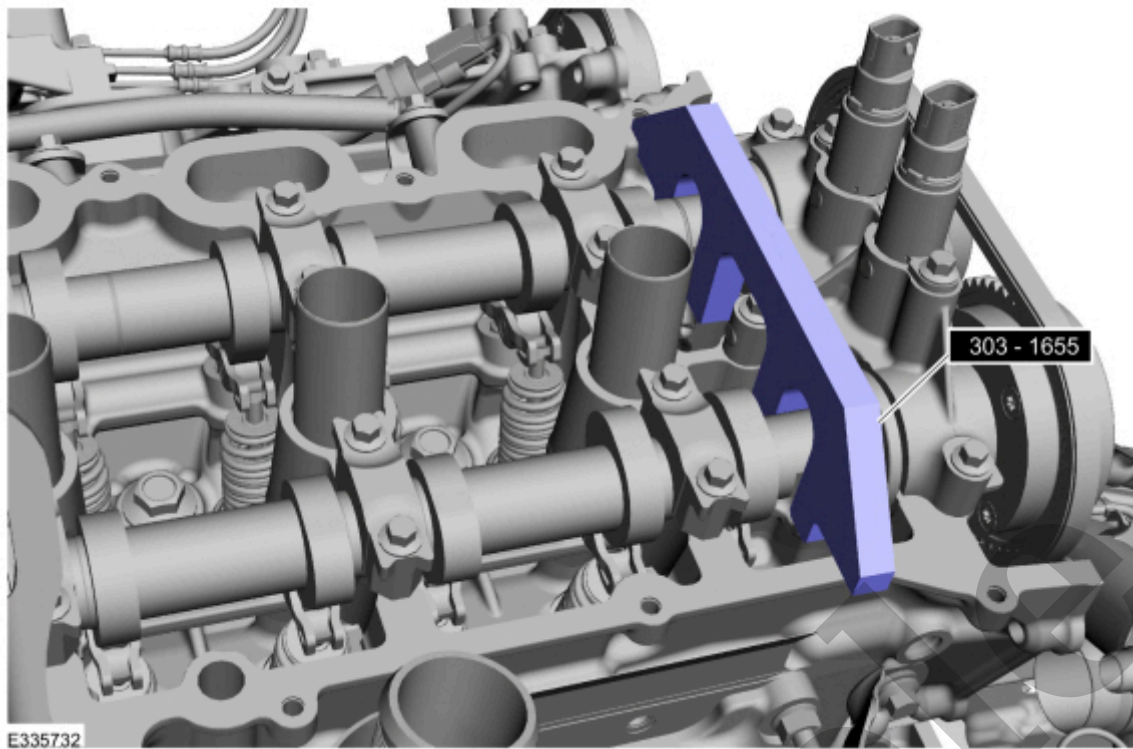
98. Install the crankshaft pulley bolt.



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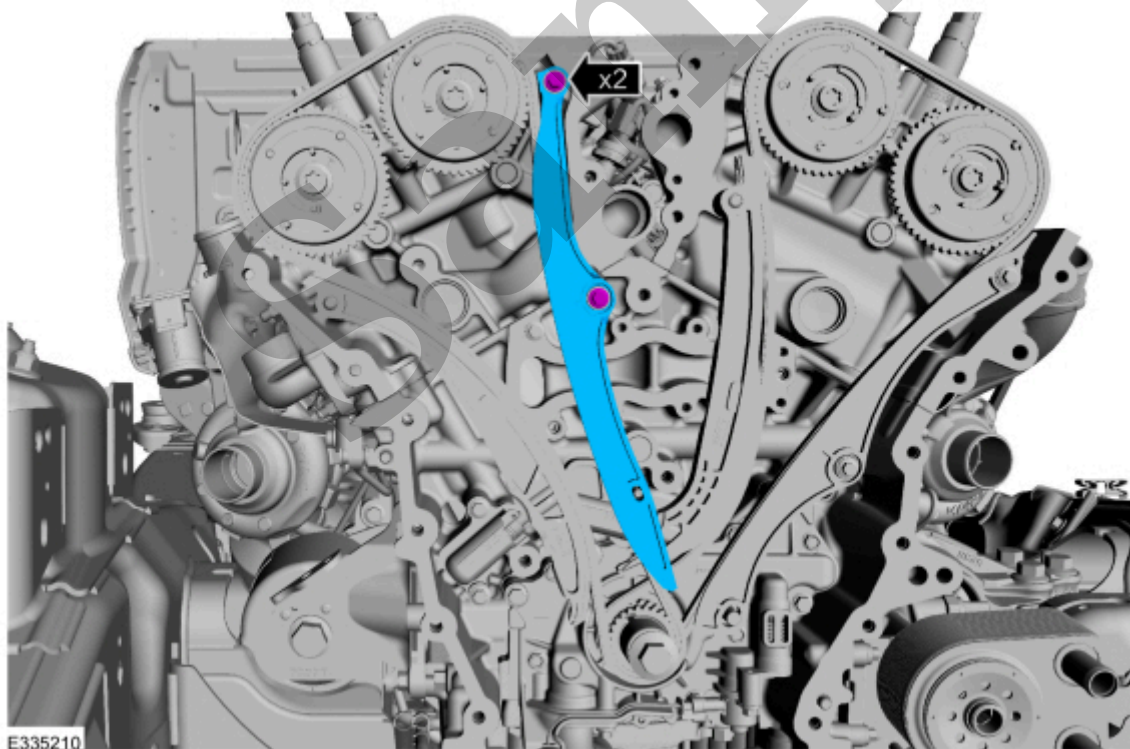
99. 1. Rotate the crankshaft clockwise.
2. Position the crankshaft sprocket keyway at the 11 o'clock position.





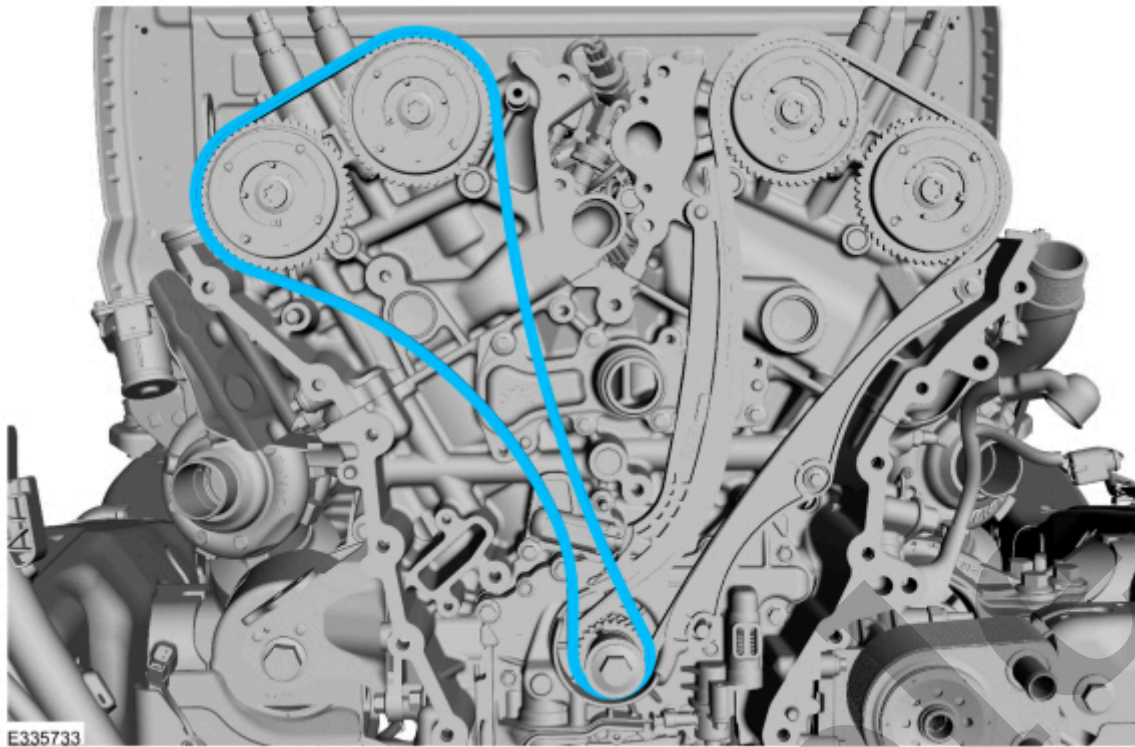
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102. Remove the bolts and the RH (right-hand) timing chain guide.



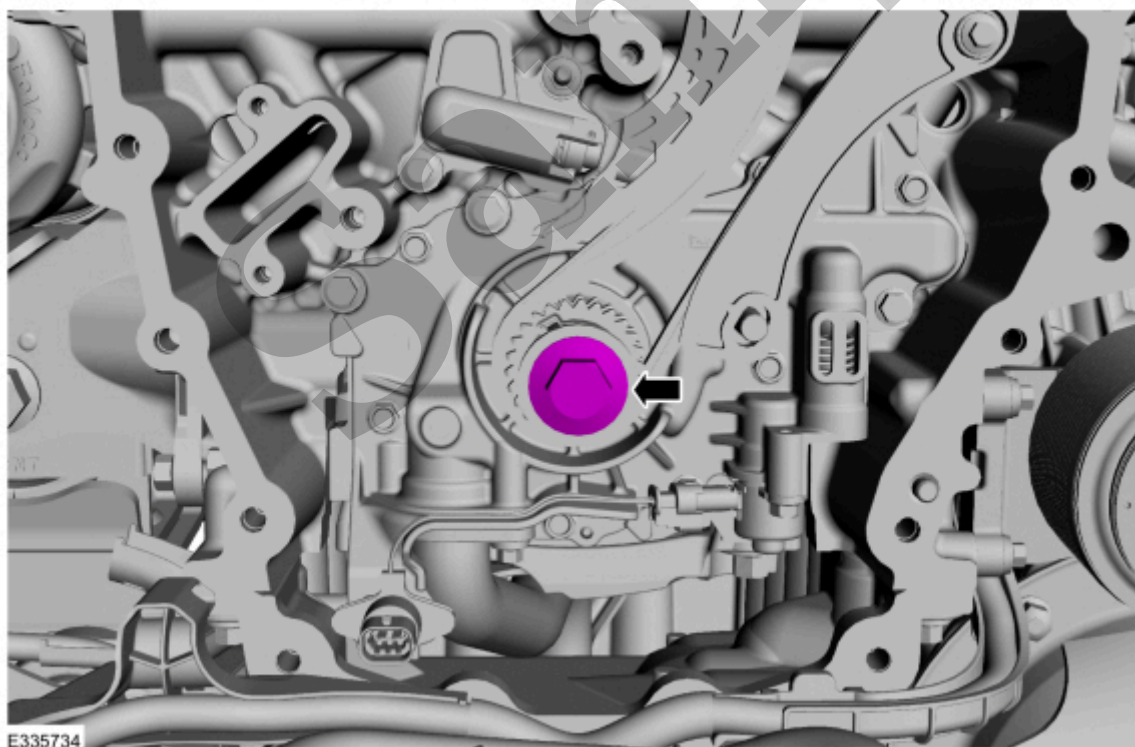
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103. Remove the bolts and the RH (right-hand) timing chain tensioner.



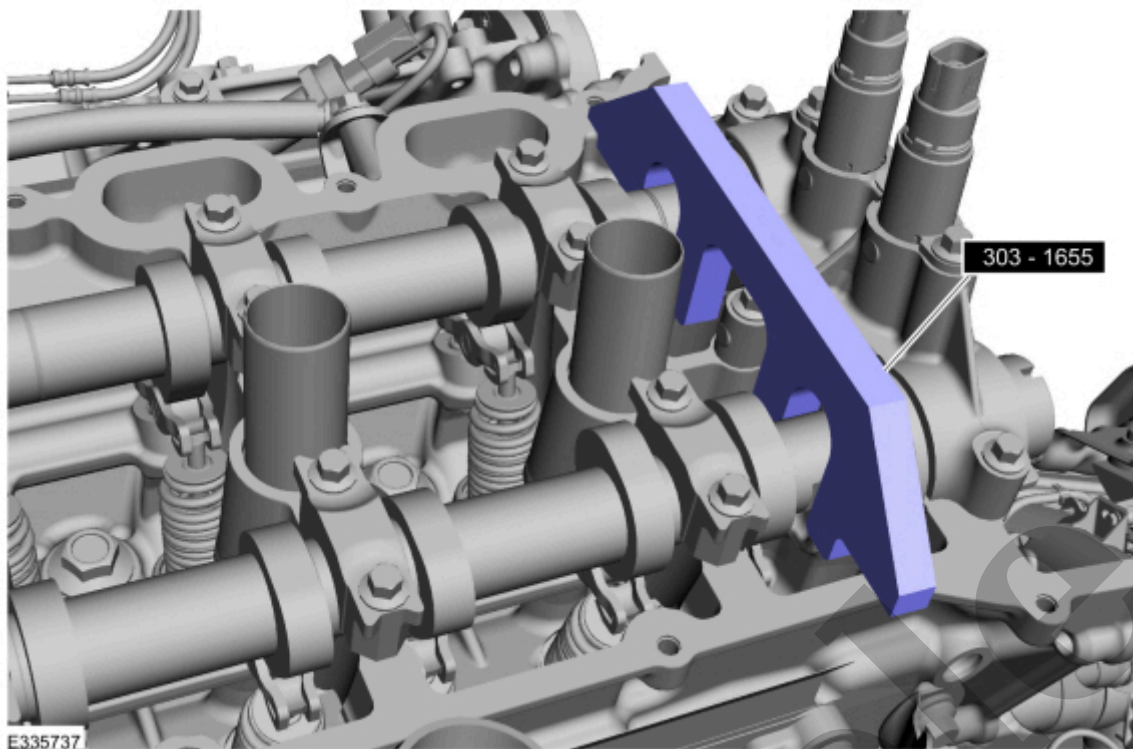
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106. Remove the crankshaft pulley bolt.



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107. Remove and discard the RH (right-hand) VCT (variable camshaft timing) unit bolts.

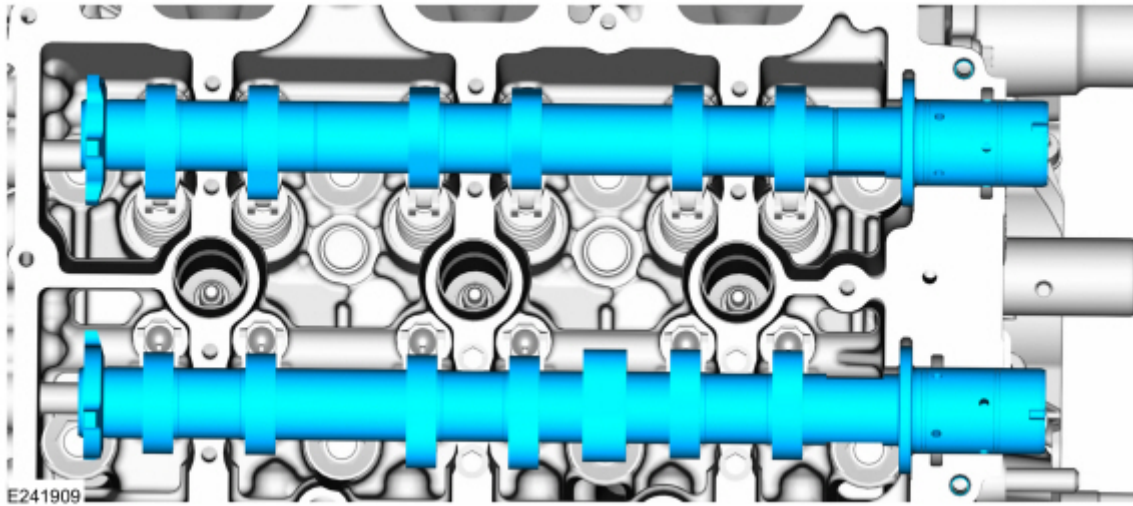


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110. NOTICE

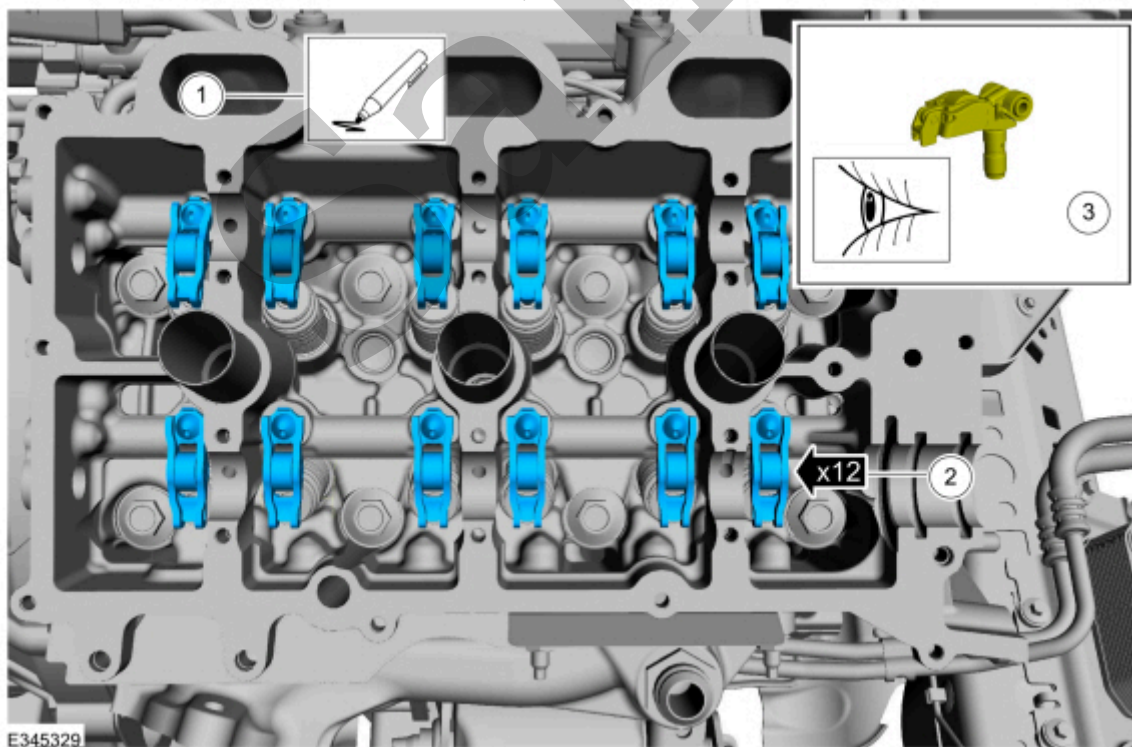
The front camshaft bearing mega cap must be removed first and then the remaining camshaft bearing caps. Failure to follow this direction may result in damage to the engine.

Remove the bolts and the front camshaft bearing mega cap.



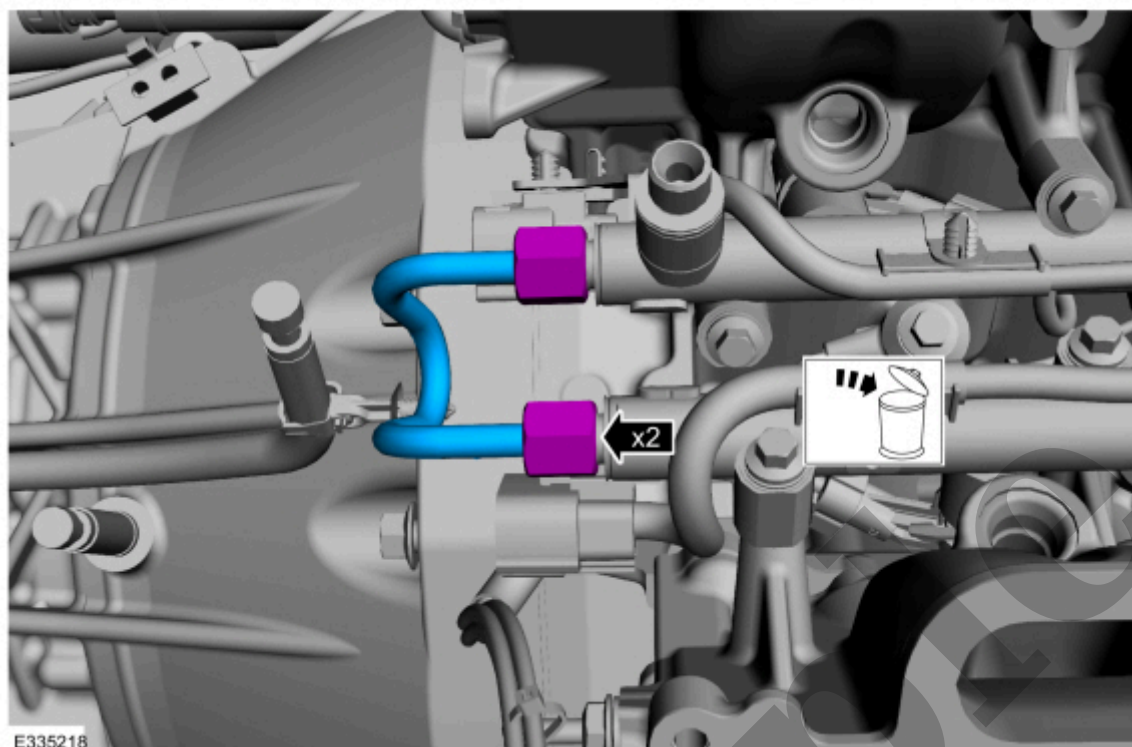
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113.
 1. Mark the location of the clipped roller finger followers and hydraulic lash adjuster assemblies before removal.
 2. Remove the clipped roller finger followers and hydraulic lash adjuster assemblies.
 3. Inspect the clipped roller finger followers and hydraulic lash adjuster assemblies for damage. If any damage is found, inspect the camshaft lobes and valves for damage. Replace damaged components as necessary.



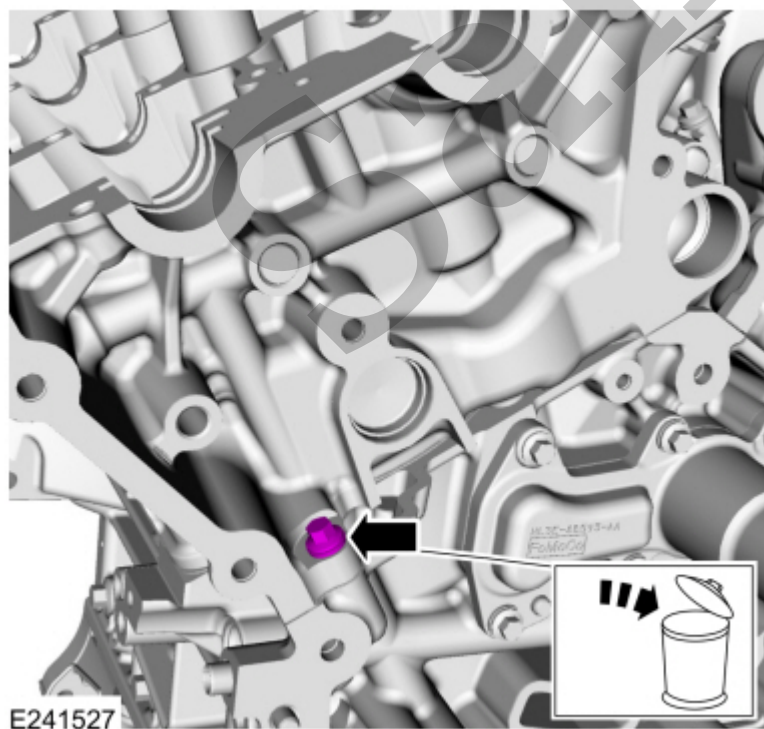
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116. Remove and discard the fuel rail-to-fuel rail high-pressure tube.



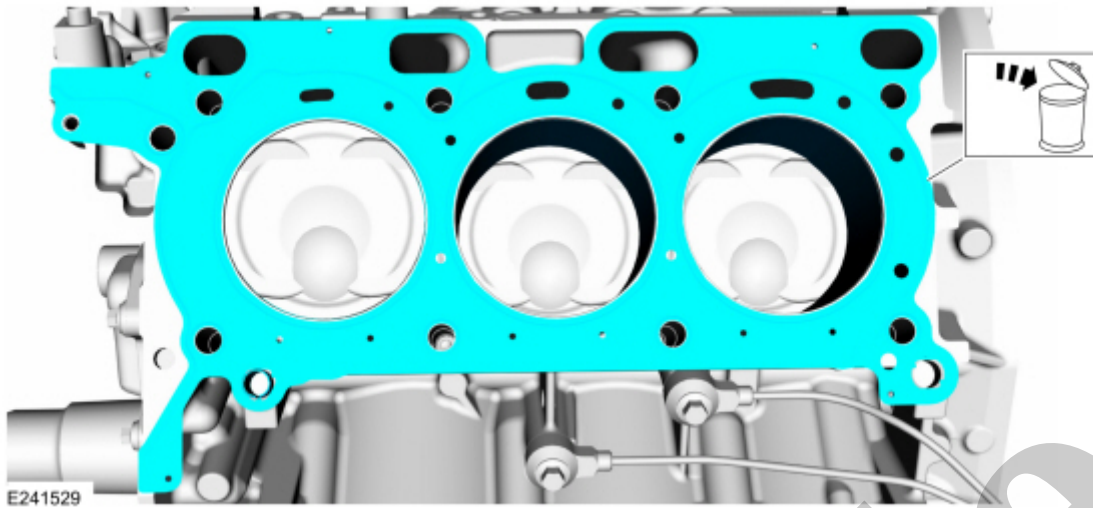
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117. Remove and discard the RH (right-hand) M6 bolt.



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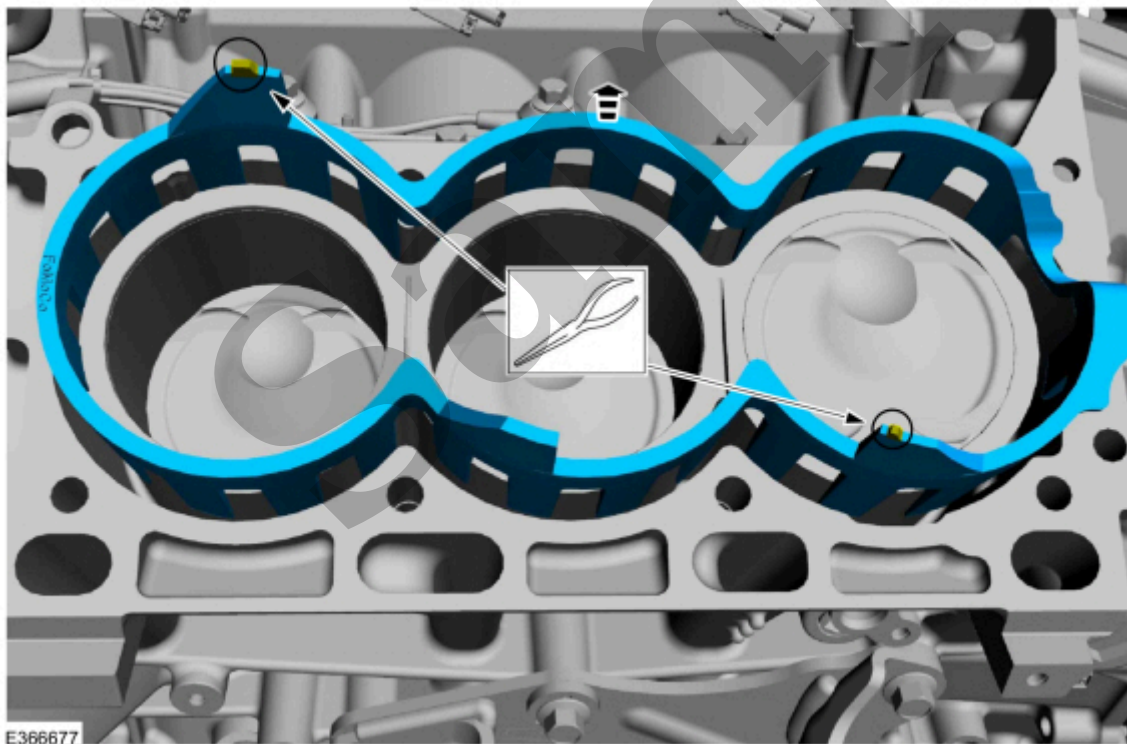
119. Remove and discard the RH (right-hand) cylinder head gasket.



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120. Remove the RH (right-hand) water jacket spacer.

Use the General Equipment: Long Nose Pliers



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121. **NOTICE**



Cylinder Head - Body On - LH

303-01D Engine - 3.5L V6 PowerBoost (CN)	2022 F-150
Removal	Procedure revision date: 09/8/2022

Cylinder Head - Body On - LH

NOTICE

During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces that enters the oil passages, coolant passages or the oil pan, can cause engine failure.

NOTE

It is recommended that this component be serviced with the vehicle body removed. If the body can be removed, refer to Engine — Body Off in this section.

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

Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).
2. Release the fuel system pressure.

Refer to: [Fuel System Pressure Release](#)(310-00C Fuel System - General Information - 3.5L EcoBoost (BM), General Procedures).
3. Disconnect the battery ground cable.

Refer to: [Battery Cables - 3.5L EcoBoost \(BM\)](#)(414-01 Battery, Mounting and Cables, Removal and Installation).
4. Remove the LH (left-hand) turbocharger.