

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF FORD PERFORMANCE PARTS

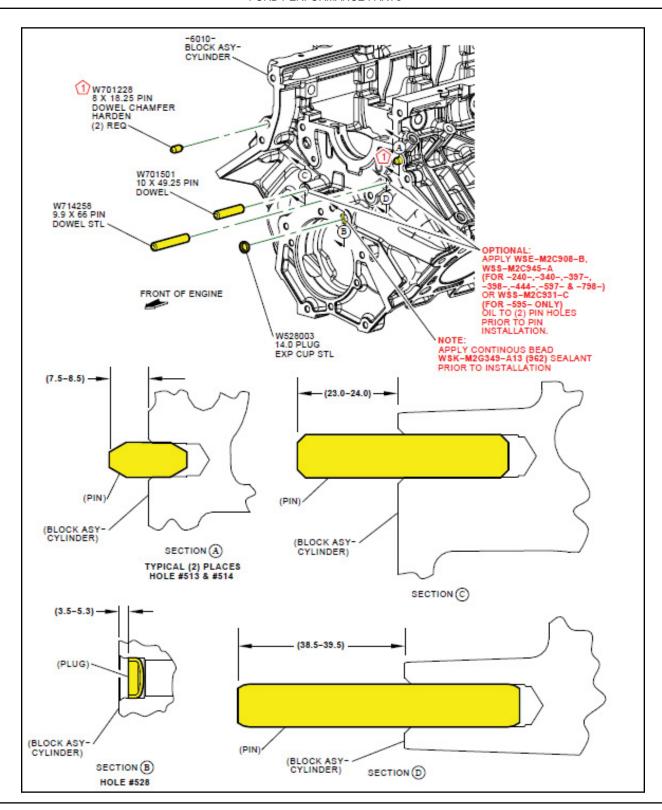
# PRIOR TO INSTALLATION READ THESE INSTRUCTION COMPLETELY For questions, Call the FORD PERFORMANCE Techline 1-800-367-3788

Please visit <a href="https://www.performanceparts.ford.com">https://www.performanceparts.ford.com</a> for warranty information

Part #	Description	Qty
9L8Z-6C683-A	VCT/camshaft filter	4
BR3Z-6A340-A	Damper bolt	1
BR3Z-6268-A	Secondary timing chain	2
FR3Z-6268-A	Primary timing chain	2
BR3Z-6279-A	VCT phaser bolt	6
JL3Z-6L266-C	Primary chain tensioner	2
JL3Z-6B274-B	Chain guide	1
JL3Z-6K255-A	Tensioner arm	2
JL3Z-6M256-A	Chain guide	1
JR3Z-6C525-A	Exhaust VCT sprocket	2
JR3Z-6279-A	Exhaust phaser bolt	2
KR3Z-6306-B	Crank sprocket	1
ML3Z-6K254-A	Secondary chain tensioner	2
ML3Z-6C524-B	Intake VCT sprocket	2
ML3Z-6K297-A	Secondary tensioner guide	2
N806183-S437	Oil pump bolt	2
N807033-S439	Damper bolt washer	1
W503282-S437	Chain guide bolt	2
W701501-S	Dowel	1
W714251-S300	Oil pump stud bolt	1
W714252-S300	Oil pump stud bolt	1
W714258-S300	Dowel	3
W718243-S437	Primary tensioner bolt	4

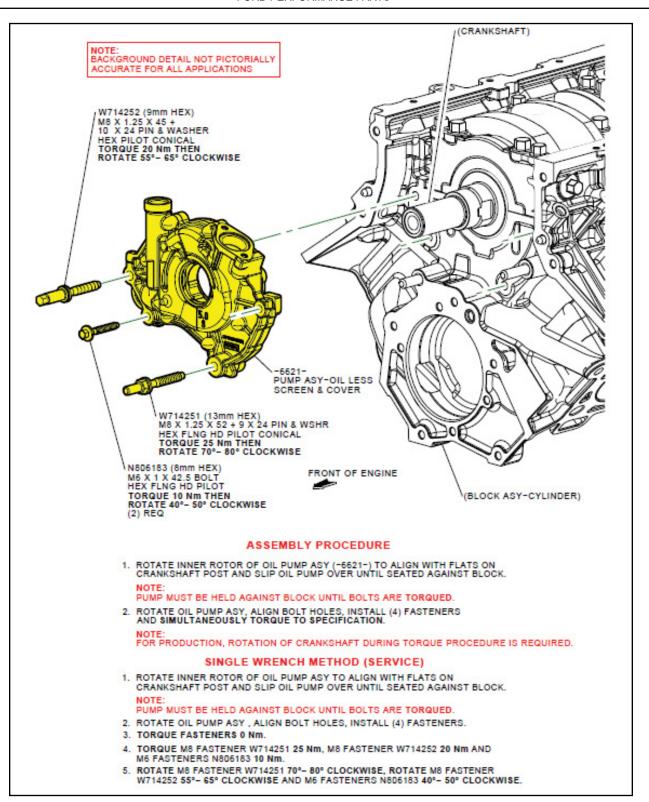


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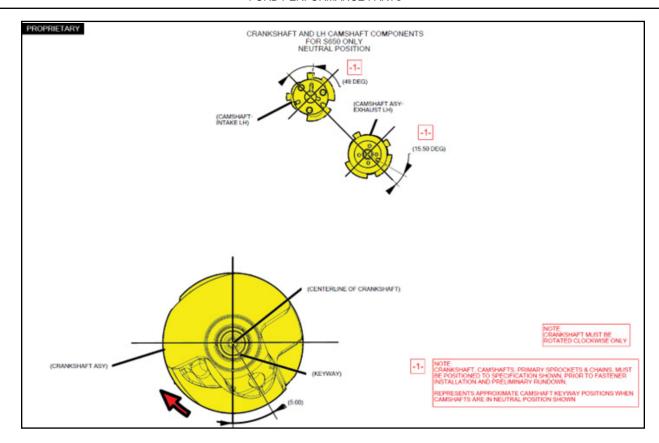


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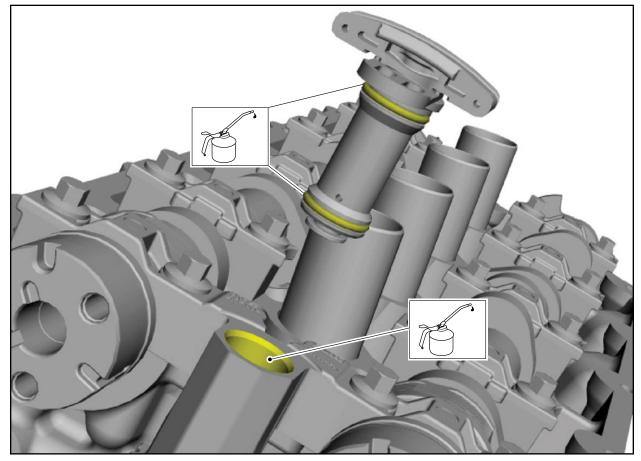


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NOTE: Do not remove the secondary timing chain tensioner shipping clip, until instructed to do so.

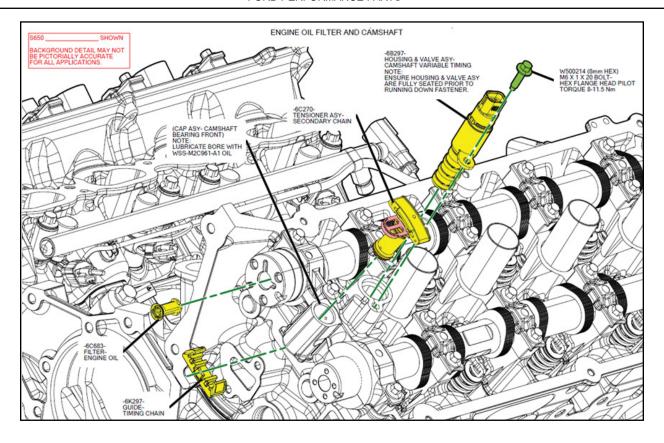
**NOTE:** The secondary timing chain tensioner and shoe are of a new design. The secondary timing chain tensioner is shorter than the previous design and does not extend through the bottom of the camshaft mega cap. The new design shoe has tabs that contact the front of the mega cap when installed.

Apply clean engine oil to the secondary timing chain tensioner O-ring seals and mega cap bore.





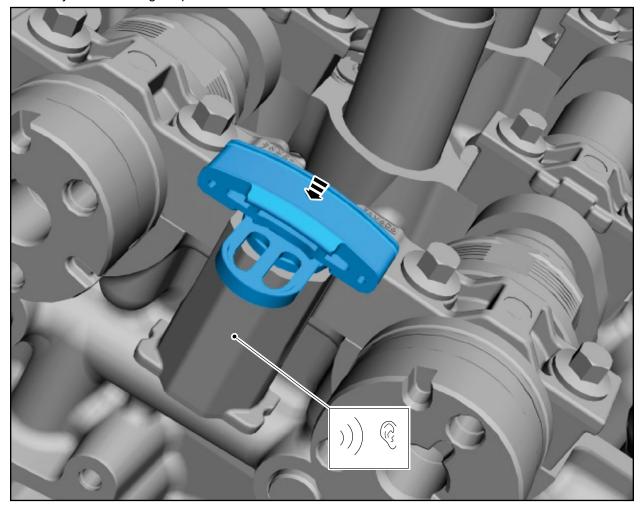
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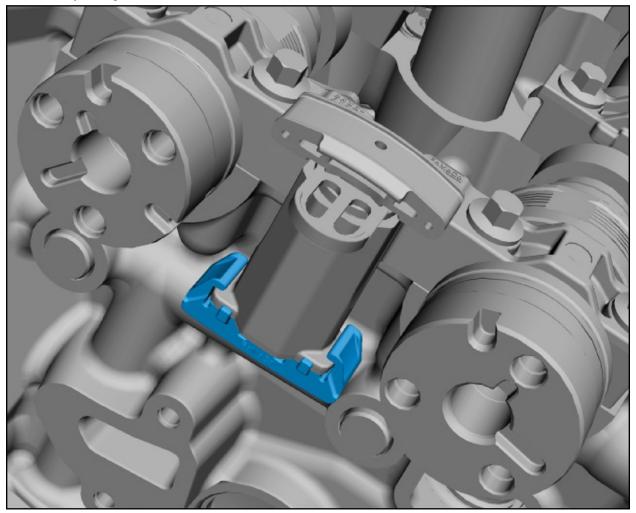
Install the secondary timing chain tensioner by pushing it down all the way until a snap is heard and the tensioner is seated all the way down the mega cap bore.





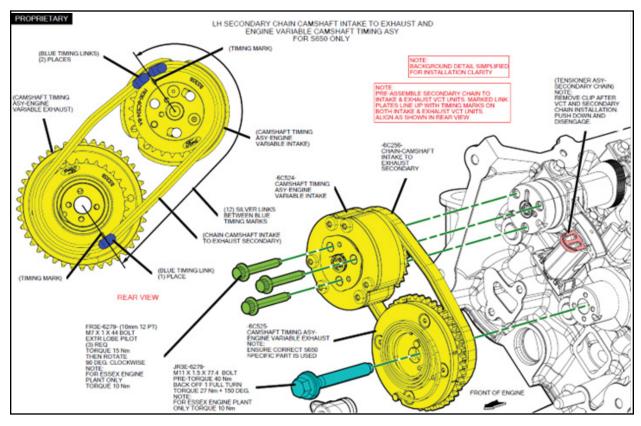
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Install the secondary timing chain tensioner shoe.

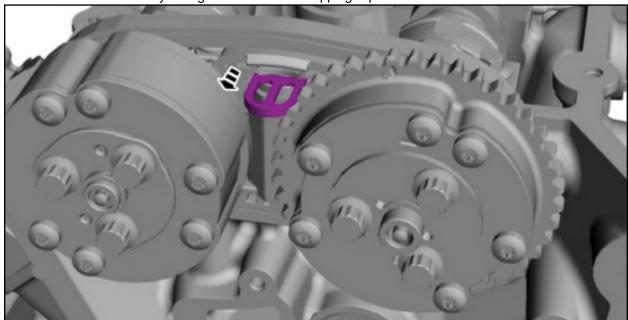




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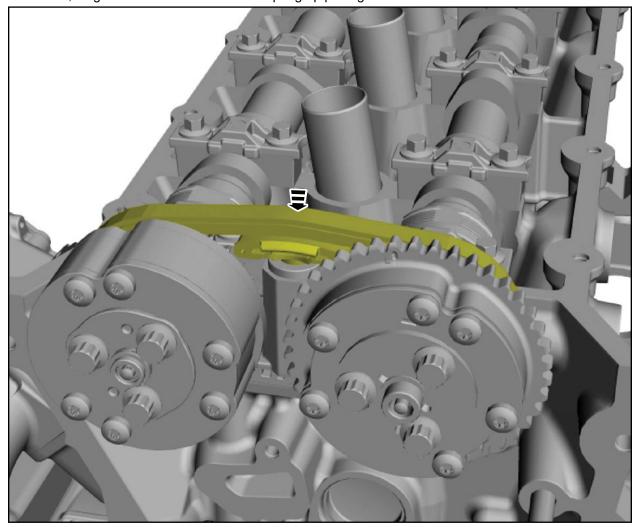
Remove and discard the secondary timing chain tensioner shipping clip.





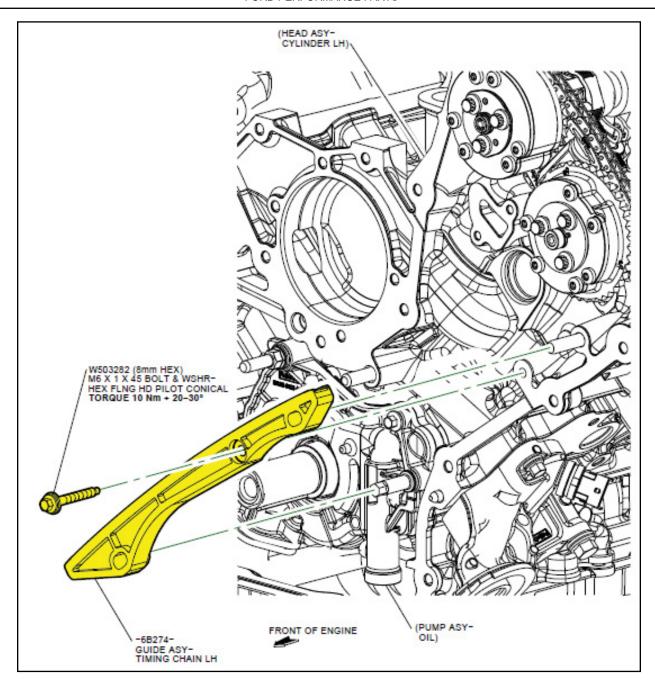
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Activate the secondary timing chain tensioner by pressing down on the secondary timing chain and tensioner top shoe until it bottoms out, let go of the tensioner and it will spring up putting tension on the chain.



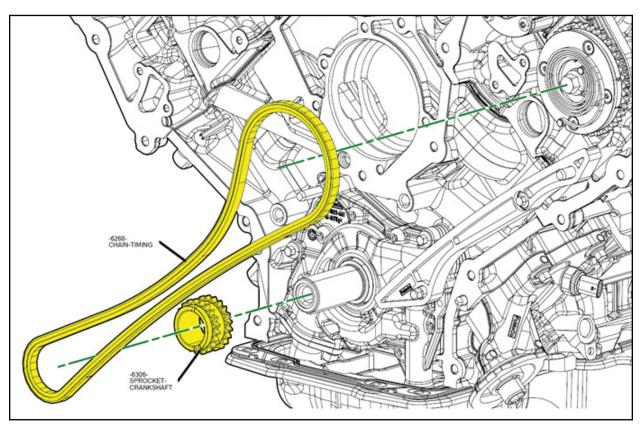


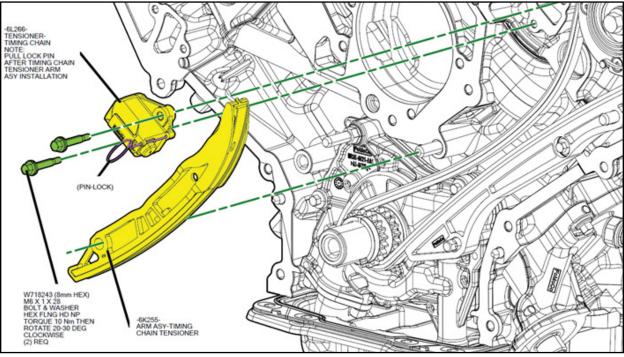
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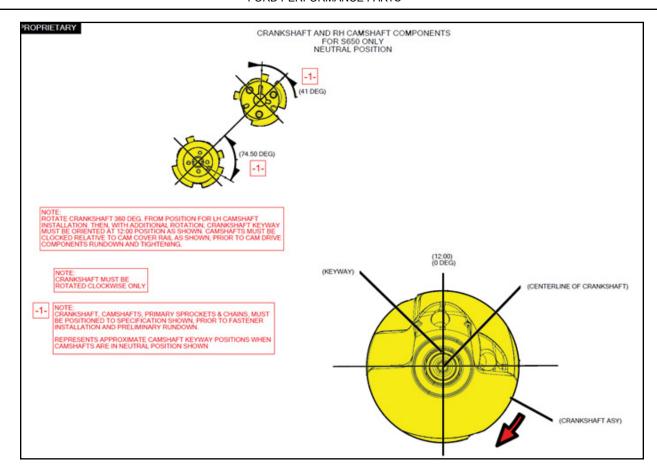
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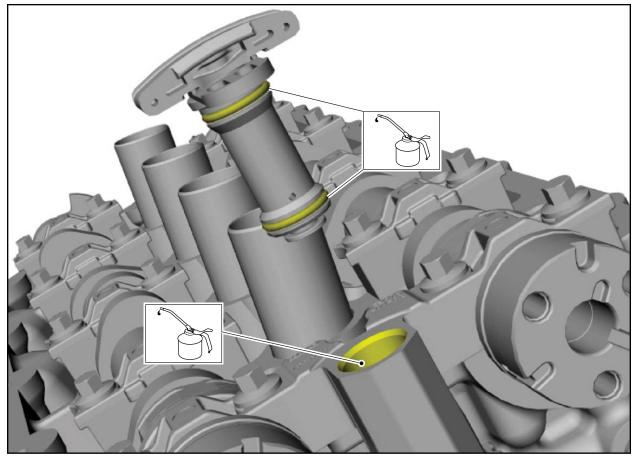


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NOTE: Do not remove the secondary timing chain tensioner shipping clip, until instructed to do so.

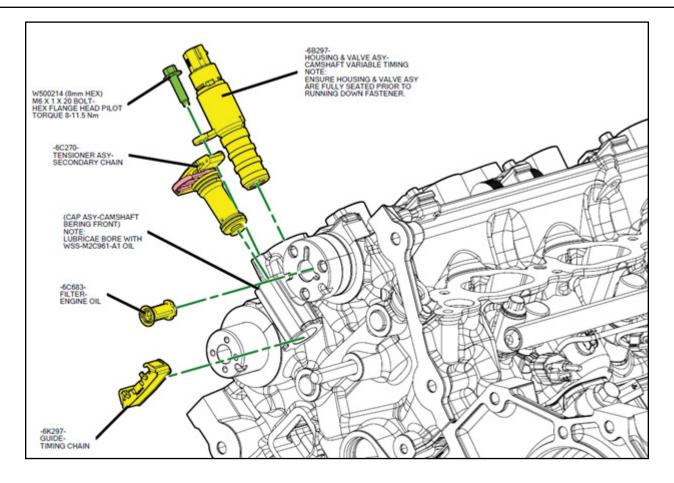
**NOTE:** The secondary timing chain tensioner and shoe are of a new design. The secondary timing chain tensioner is shorter than the previous design and does not extend through the bottom of the camshaft mega cap. The new design shoe has tabs that contact the front of the mega cap when installed.

Apply clean engine oil to the secondary timing chain tensioner O-ring seals and mega cap bore.





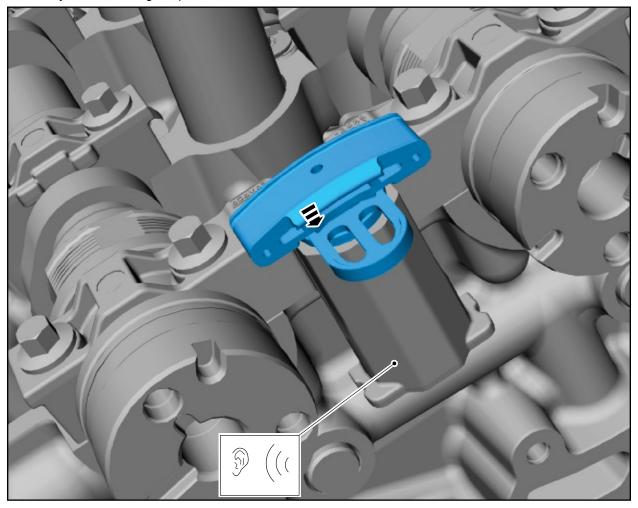
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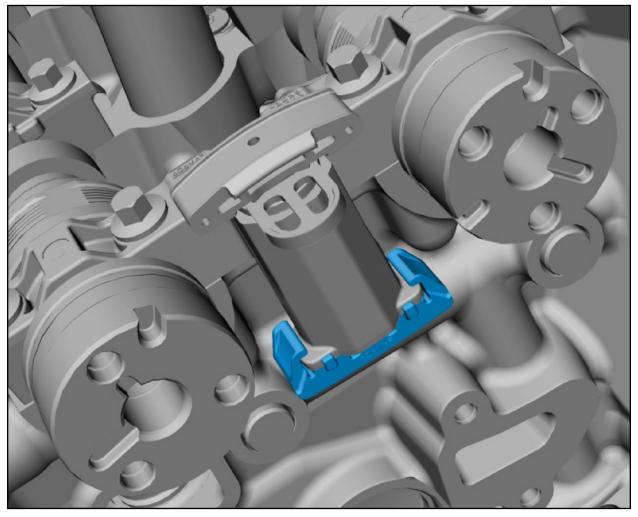
Install the secondary timing chain tensioner by pushing it down all the way until a snap is heard and the tensioner is seated all the way down the mega cap bore.





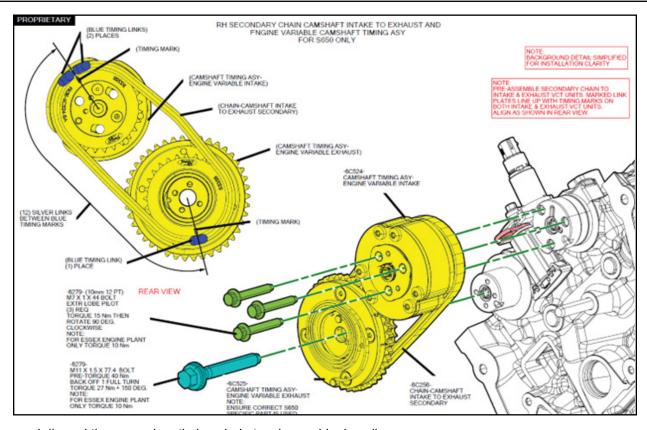
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Install the secondary timing chain tensioner shoe.

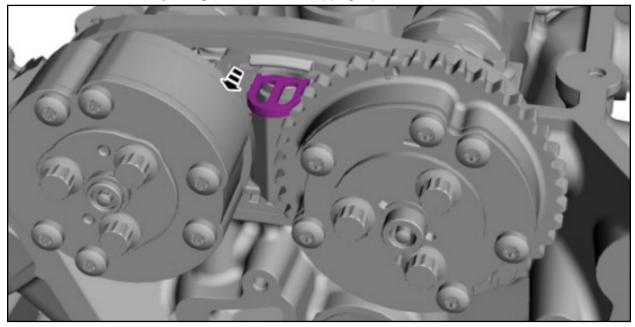




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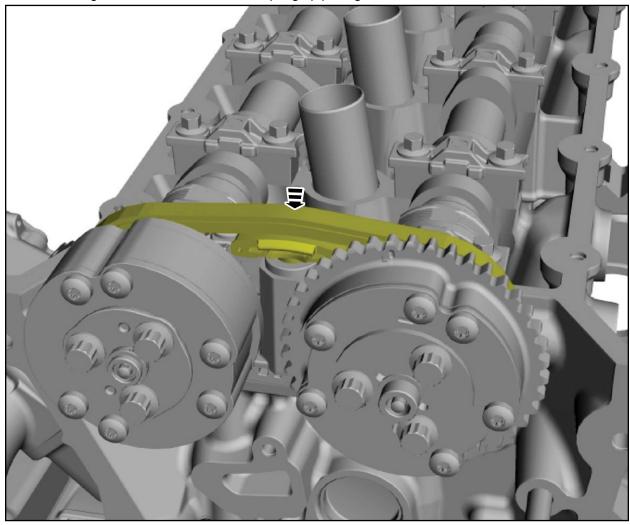
Remove and discard the secondary timing chain tensioner shipping clip.





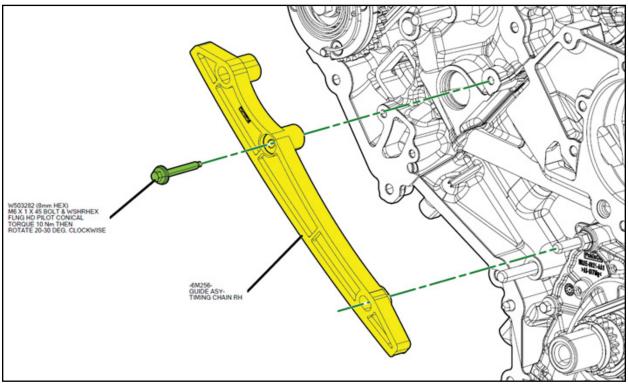
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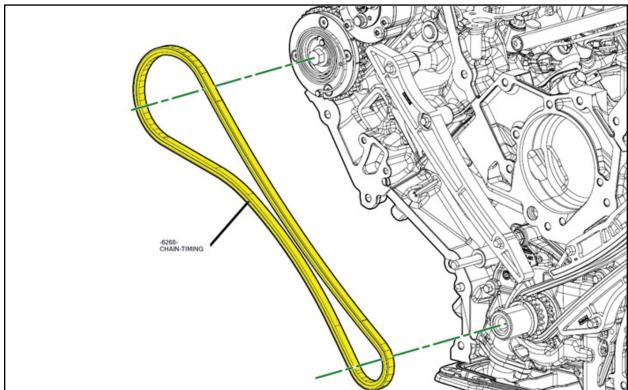
Activate the secondary timing chain tensioner by pressing down on the secondary timing chain and tensioner top shoe until it bottoms out, let go of the tensioner and it will spring up putting tension on the chain.





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