



**\*\* SOLUTION \*\***

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Title Diagnostic Trouble Codes ( DTC ) P0016-76 - Crankshaft Position - Camshaft Position  
Correlation - Turbo Compound ( TC ) - **Model Year 2018 and Newer**

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**Mack Models**

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**Mack Model** AN - Anthem , GR - Granite , PI - Pinnacle

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**\*\* SOLUTION \*\***

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**Cause** Confusion regarding the rear upper timing part number identification.

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**Solution** If fault code P0016-76, Crankshaft Position - Camshaft Position Correlation, is active on a TC chassis please confirm the rear upper timing cover installed is the correct P/N for your particular engine.

Each cover is stamped with the same 4 P/N's. The appropriate number of the four will be marked with a .5 mm dot beside the correct number.

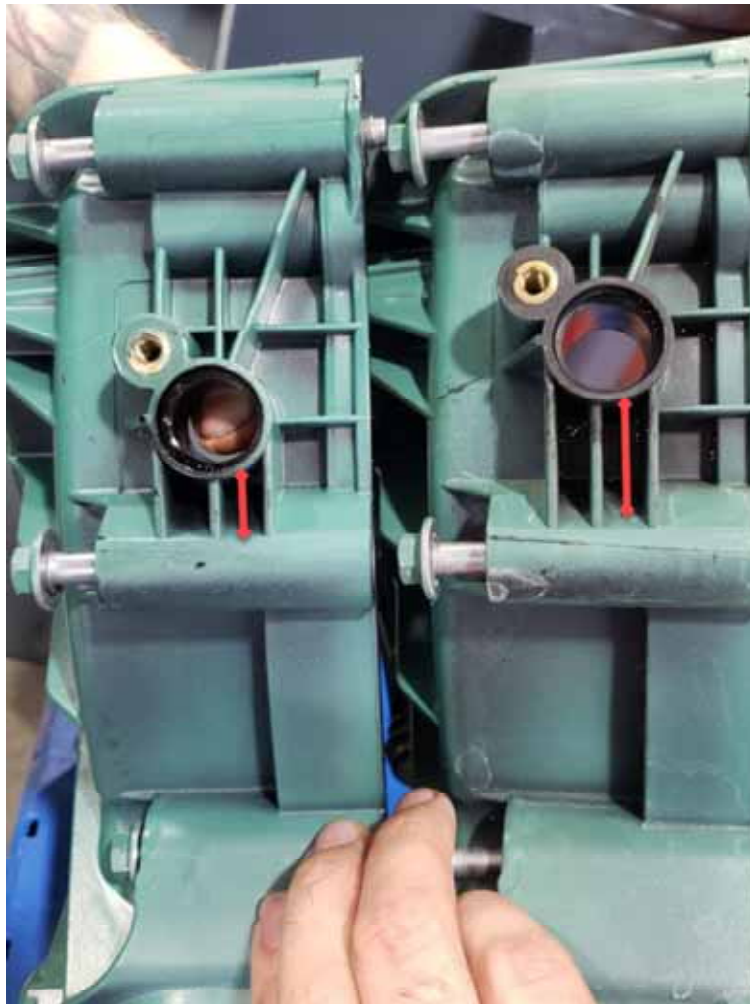




Looking for this dot can be difficult on the lower number due to a witness mark from a bracket bolt that runs into the cover when installed in frame.



When the 2 covers are compared you can clearly see a difference in Cam sensor mounting holes.



**NOTE:** In this instance IMPACT calls out a 22121029 rear upper timing cover which, according to the drawing, supersedes to a 21443162. On the cover from the original engine the “dot” is hidden by the bolt witness mark. When the 2 covers are compared you can clearly see a difference in Cam sensor mounting holes. The incorrect cover came with a dot beside p/n 22992290.

Solution visibility [Dealer distribution](#)

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**Function(s)/component(s) affected**

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Function affected Crankshaft

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**Function Group**

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Function Group 215 engine transmission; camshaft

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**Customer effect**

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Main customer effect fault code/display

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**Fault Codes And Error Codes**

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OBDII Diagnostic Trouble Codes (P, U, B Format) P0016-76

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**Conditions**

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Vehicle operating mode on start-up

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## Administration

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Author A257217

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Dealer ID A257217

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