

**Safety Recall 18V-xxx  
Model Year 2009-2013  
BMW X5 xDrive35d  
Idler Pulley Bolt  
Part 573 Chronology  
23 May 2018**

Please refer to BMW's November 26, 2012 Part 573 report assigned NHTSA Recall ID 12V-550.

On February 27, 2018, NHTSA contacted BMW and requested information regarding certain BMW X5 xDrive35d vehicles identified in VOQs that were received since recall campaign 12V-550.

Preliminary analyses of the VOQs indicated that some vehicles may have experienced a condition after the recall remedy had been performed that was similar to the condition experienced by vehicles prior to the recall. Therefore, an engineering analysis was initiated.

On April 14, 2018, NHTSA opened Recall Query RQ18-001, and on April 27<sup>th</sup>, NHTSA submitted an Information Request letter to BMW.

In March and April, reviews and analyses consisting of an examination of vehicle manufacturing records, engineering changes to the idler pulley bolt, engine operation dynamics, driving conditions, field data, and vehicle repair history were conducted. In addition, an examination of the recall history was conducted including a review of service information.

A summary of these analyses is as follows:

- Vehicle manufacturing records (changes to the bolt used in production, engine assembly process including revised bolt assembly procedure)
- Engineering changes to the bolt (increase in bolt's thread length, addition of thread locking agent)
- Engine operation dynamics calculation (forces and torques affecting bolt durability)
- Driving conditions (speed, maneuvering)
- Field data (warranty, field reports, mileage)
- Vehicle repair history (prior repairs that could affect bolt)
- Recall service information (remedy procedure, bolt specifications)

After an extensive engineering analysis, and in preparation for a response to the RQ, it was determined that some vehicles could experience the condition that was the subject of the recall even after the recall had been performed. BMW concluded that, despite the differences in the bolt specifications and assembly procedure for the recall remedy to that of vehicle production, the bolt and procedure used in the recall could still experience the condition, and therefore a further remedy would need to be developed.

Vehicle manufacturing and supplier production records were reviewed to determine the number and production range of potentially affected vehicles.

On May 16, 2018, BMW decided to conduct a voluntary recall.

BMW has not received any reports, nor is BMW otherwise aware, of any crashes, injuries or fatalities related to this issue.