



Timing Gear Failure on 1994-2002 Cummins B Series Diesel Engines

The AERA Technical Committee offers the following information on timing gear failure on 1994-2002 Cummins B Series diesel engines. This failure has been commonly referenced as the “Killer Dowel Pin” failure. While all engines manufactured in this time frame potentially have the possibility of this failure, preventive measures can be taken to eliminate this particular failure.

This failure is resultant of the timing cover alignment pin vibrating out of the block and falling into the valve train drive gears causing damaged gears and engine failure. The resulting damage can be catastrophic with many components breaking and destroyed.

To eliminate the possibility of this type of failure, BDPerformancediesel.com has kits for both 12 and 24 valve engine series. The installation of this kit involves removing the engine front cover and blocking the dowel pin hole, preventing it from vibrating out of its bore.



Application List

- 1040182 Dodge 12 Valve Engines (1994-1998)
- 1040183 Dodge 24 Valve Engines (1998½-2002)