

Sprinter Van Tips For Dealing With The “Black Death”

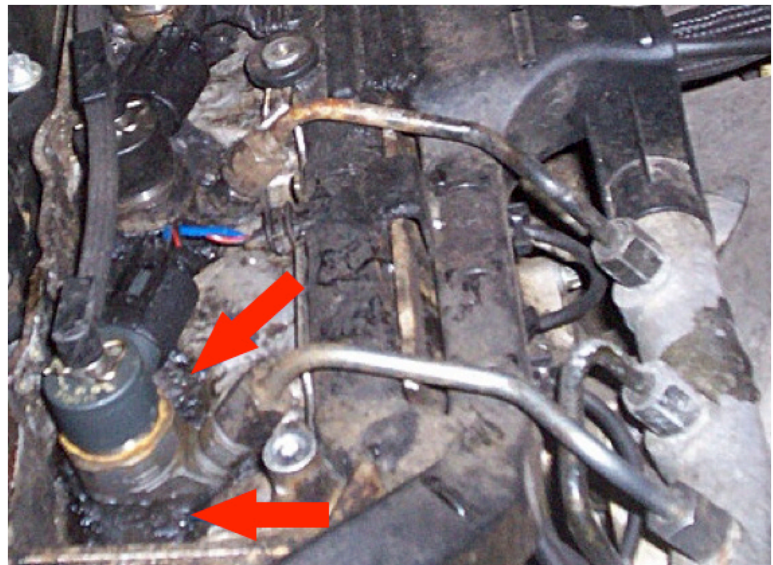


A common issue on Sprinter Vans is injectors coming loose, resulting in combustion pressure blowing by the nozzle washer. If the vehicle is operated in this condition the combustion byproducts build up between the injector and its bore in the cylinder head. Over time carbon and sludge will form around the top of the cylinder head and the injector as indicated by the arrows in the picture below. Some in the industry are calling this “Black Death”.

The carbon deposits can be difficult to remove. A spray type oven cleaner can be used to loosen and dissolve the deposits. Move the injector electrical connectors / wires and the return lines out of the way before applying the cleaner. Afterwards spray your favorite penetrating oil or carb cleaner into the well around the injector and let soak for an extended period. Then use an injector puller to carefully remove the injector from the cylinder head.

The injector bore in the cylinder head must be cleaned with a steel brush and possibly a seat reamer to remove all of the carbon deposits. Be sure the old copper nozzle washer has been removed. Clean and inspect the hold down bolt hole threads in the cylinder head.

It is recommended to replace any injectors affected by combustion blow-by. Any time the injector hold down bolt is loosed it must be replaced. A new hold down bolt is supplied with D Tech remanufactured Sprinter injectors. The bolt is also available in the Sprinter injector mounting kit DT270007.



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