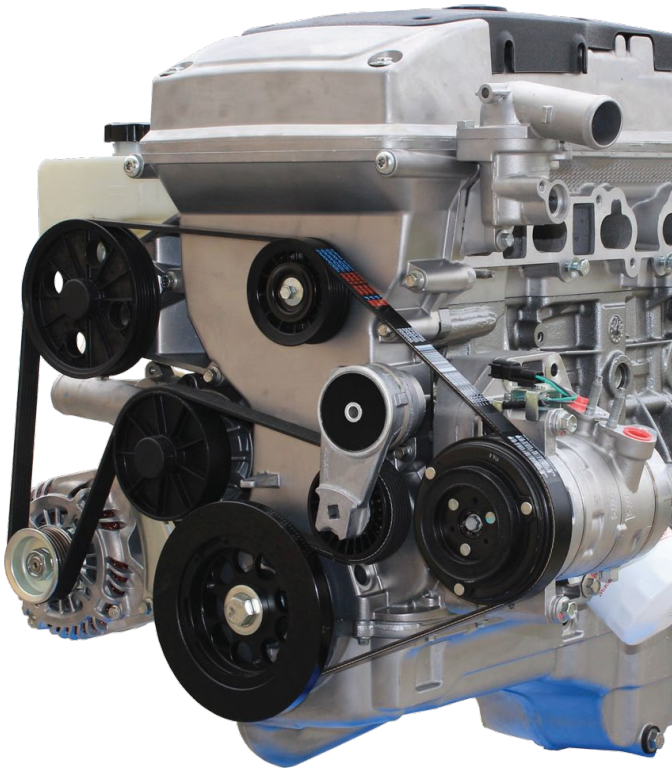
Tackling Problematic Drive Systems

Automotive belt drive systems have become significantly more complicated. Over the years, **OEMs moved from multiple serpentine belts to one belt driving all the accessories**, and as automakers continue to add accessories, they are continually looking for the most efficient way to power them. This is accomplished by working with belt manufacturers like Dayco to develop belt technology to withstand these high loading requirements while also providing increased durability under extreme temperature conditions.

For belts to last more than 90,000 miles, belt material was changed to an EPDM rubber compound, which is inherently stiffer than the older neoprene compounds. This stiffer compound can be less resistant to minor pulley misalignments and will tend to make noise if not corrected.

Some vehicles have an engine drive system design that experiences misalignment issues more frequently than others – making it difficult for technicians to properly tackle an installation or repair without being concerned about a potential comeback.

When there is a vehicle released by an OEM that shows signs of a problematic drive system, Dayco engineers conduct extensive R&D testing to determine why the system causes noise or wears poorly. A kit with a redesigned belt, tensioner and pulley is then assembled that helps solve the problem.



Dayco's Solutions Focused Kits:

- Engineered specifically for the most problematic drive systems as **an improvement over the original equipment** design
- Address the **most demanding drives in the market** that have resulted in the most noise issues
- Feature a custom engineered kit with 14 applications to cover **35 million vehicles in operation**
- Include up to two Dayco serpentine belts, a Dayco tensioner and Dayco idler pulleys