

# NEW PRODUCT HIGHLIGHT | JUL2024



## Blue Print ADBP960078

to fit:  
Hyundai i30 III, Kauai I, Kona I, Tucson III, Tucson IV  
KIA Sportage IV

engine:  
D4FE 1.6 CRDi MHEV



EN

### Tensioner Assembly for Auxiliary Drive Belt

#### Function

Attached to the starter-generator, this tensioner assembly is an integral component of the ISG (idle, stop, and go) system on the vehicles listed. The ISG system is designed to lower emissions and improve fuel economy by switching the engine off when the vehicle is decelerating and then use that energy to both charge the battery and promote faster and smoother engine starting.

The belt required for a starter-generator is constantly exposed to a high level of stress due to the frequent load direction changes and tractive forces that occur when switching from driving the belt (when starting the engine) to generating electricity to maintain the load on the electrical system. This double tensioner applies the correct tension to the belt when operating in all conditions.

#### Failure

Over time the springs start to lose their tension, and due to the high levels of torque these components are constantly put under this can lead to a serious failure of both the belt and the tensioner. The symptoms of a failing tensioner include a squealing/screaming noise from the engine, the illumination of the engine warning lamp, and poor engine performance.

In some cases, the failing of the tensioner on the vehicles listed above has resulted in the crankshaft pulley being damaged, causing significant harm to the engine.

For more technical information please visit: [partsfinder.bilsteingroup.com](https://partsfinder.bilsteingroup.com)