

**DRIVEALIGN® TENSIONER SOLUTIONS**

Gates, Improves the original Tensioner design

Gates has always been a leader in providing our customers with solutions for the aftermarket.

Our experience with OEM's and expertise in Accessory Belt Drive System drive design ensures the premium value of our parts.

Gates aftermarket engineers analyse failure modes of OE designs and makes adjustments to improve product and system quality and performance. There are many examples of products where Gates has enhanced an OE part.

Two automatic tensioner examples are part numbers 38185 & 38186. These suit various Mazda, Ford, Jeep and Chrysler applications.

Gates have improved the OE design by providing the following three enhancements:

1. Installation Feature
2. Labyrinth Seal
3. Patented Sliding Shoe Technology

See over page for how these features improve the performance of these tensioners.



38185



38186

Gates Installation Feature

Easy fitment

In some vehicle applications, removal and installation of the tensioners can be challenging. Gates has developed a feature that allows much easier installation using a ratchet or breaker bar.

This feature is not available in the genuine or competitor offers. Refer image to see the difference.



Gates Labyrinth Seal

Contamination resistance

The unique sealing method used in Gates DriveAlign® tensioners virtually eliminates the risk of contamination and corrosion. In other tensioner designs, however, trapped dirt and grit wear away rust inhibitors used to prevent contamination and can lead to rust bleed. Rust bleed from an automatic tensioner can adversely affect other components and is a good indication that the spring is worn and the tensioner needs to be replaced.

This feature applies to all Gates DriveAlign® tensioners in the range.

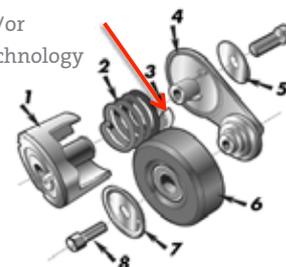


Gates Patented Sliding Shoe Technology

Reduces vibration and noise

The Gates Sliding Shoe technology is a dampening mechanism which also provides advantages to the life of the tensioner and the proper function of the drive as a whole. In the case of some particularly demanding drives, Gates also offers an asymmetric damping capability, which means we can control the damping force to the optimum level no matter which way the tensioner is rotating and in a way other tensioners simply cannot.

➤ Dampener and/or Sliding Shoe technology



Applications

MAKE	MODEL	SERIES	ENGINE	YEAR	DESCRIPTION	PART NUMBER
CHRYSLER	GRAND VOYAGER	RG	3.3L V6 (EGA) 128kw 12v OHV MPFI	2001-08	Tensioner	38185
CHRYSLER	VOYAGER	RG	3.3L V6 (EGA) 12v OHV MPFI	2001-08	Tensioner	38185
JEEP	CHEROKEE	KJ	2.4L 4 Cyl. (4W) 16v DOHC EFI	2001-03	Tensioner	38185
FORD	ESCAPE	BA	3.0L V6 (AJ) 24v DOHC EFI	2001-03	Tensioner	38186
FORD	ESCAPE	ZA	3.0L V6 (AJ) 24v DOHC EFI	2001-04	Tensioner	38186
FORD	ESCAPE	ZB	3.0L V6 (AJ) 24v DOHC EFI	2001-06	Tensioner	38186
FORD	ESCAPE	ZC	3.0L V6 (AJ) 24v DOHC EFI	2001-08	Tensioner	38186
MAZDA	MPV	LW10	2.5L V6 (GY) 24v DOHC EFI	2001-02	Tensioner	38186
MAZDA	MPV	LW	3.0L V6 (AJ) 24v DOHC EFI	2001-06	Tensioner	38186
MAZDA	TRIBUTE	YU	3.0L V6 (AJ) 24v DOHC EFI	2001-07	Tensioner	38186

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