



TECHNICAL SERVICE BULLETIN

SYNCHRONOUS BELT DRIVE SYSTEM

TIMING BELT SETUP FOR T285 3.0L 1999 SPLIT YEAR APPLICATIONS

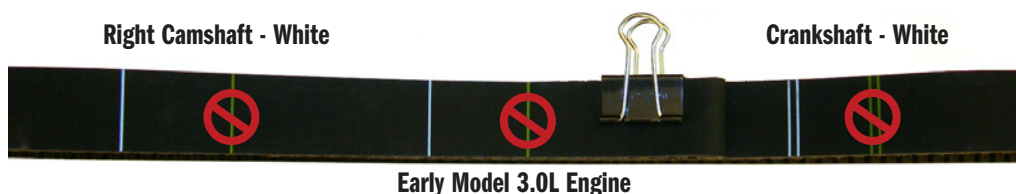
The Gates T285 timing belt is marked to be used with both early and late model 3.0L 1999 engines. It is critical to determine which set of timing marks will be used during installation. The T285 belt contains both white and yellow timing marks dependent upon application year. Which set of marks to be used will be determined by the style of tensioner/ bracket assembly originally installed on the vehicle.

NOTE: T42086 must be adjusted properly to prevent the belt from “tracking off center” or having improper belt tension. Incorrect adjustment will result in the belt contacting the tensioner bracket and/or component failure, such as pulley attachment hardware. See installation instructions provided with each kit for the proper setup of this pulley during installation. OE and third party instructions may not show the proper setup of this pulley.

Upon installation, it is critical proper installation tools be used. This will aid in the appropriate positioning of the tensioner and allow correct tension of the timing belt. It is important that the Gates set of instructions included in the kit be followed, as they may differ from OE or third party information. The Gates lower adjustable idler allows for better control over system tension, versus the fixed OE idler pulley.



This tensioner/bracket system is an indicator that you have an early model system. In this case you will use the WHITE marks on the belt for the right camshaft and crankshaft during setup.



BULLETIN TSB_031

PART NUMBER:

- TCK285
- TCK285A
- T285

MAKE:

- Cadillac
- Saab

MODEL:

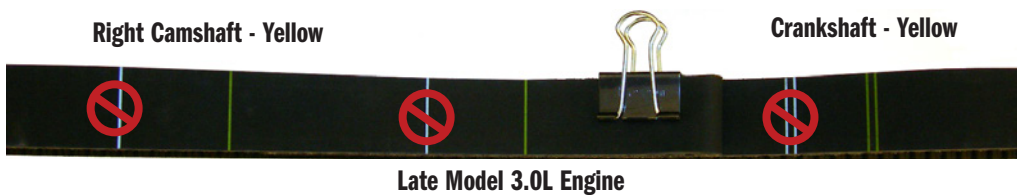
- Catera
- 9-5

ENGINE:

- 3.0L

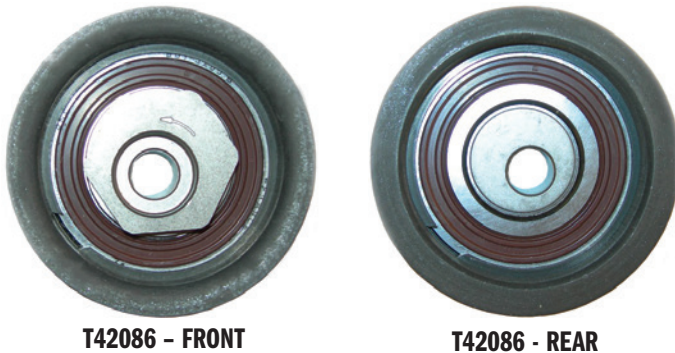


This tensioner/bracket assembly is an indicator that you have a late model system. In this case you will use the YELLOW marks on the belt for the right camshaft and crankshaft during setup.



In either instance of early or late model the left camshaft will use the marks next to the arrow on the belt. The arrow will always go in clockwise rotation as you are looking at the engine.

Both versions of the 3.0 liter engine utilize the same lower idler pulley (T42086)



The original design utilized a fixed lower idler which is no longer available from Gates. T42086 is available and is an adjustable idler to aide in setup of timing system.

VERIFICATION OF THE TENSIONER/IDLER BRACKET ON THE VEHICLE IS RECOMMENDED PRIOR TO SELECTING A TCK KIT AS DESIGN CHANGES OCCURRED IN MID-MODEL YEARS 1999.

DO NOT REMOVE PULLEYS FROM THE BRACKET AND TRY TO INTERCHANGE.

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