



## **All Transmissions**

**3113 S Pine Street -Tacoma, WA 98409**

**253-627-0252**

### **Timing Belt Information**

Most automobiles have timing belts. They keep your engine firing at the right time. Timing belts last for a long time, and that's good, but when they break they can cause extensive damage to your car's engine, and that's bad. Timing belts last anywhere from 60,000 to 80,000 miles. Each car is different. Your car's service manual can tell you when you need to replace your's.

Timing belt replacement can cost several hundred dollars, but the damage caused by a broken or worn timing belt may cause thousands of dollars worth of damage. All Automotive & Transmission handles timing belt repair and replacement for automobiles and trucks in Tacoma, Washington.



## **We offer a LIFETIME WARRANTY ON TIMING BELTS!**

Purchase your timing belt from All Transmission & Automotive and then next time your timing belt needs replacement, you'll only be charged for the labor. We'll pay for the belt. You will never pay for a timing belt again.

### **Let's look at the questions of WHAT, WHERE, HOW, and the WHY of timing belts:**

**WHAT** they are – Timing belts have replaced timing chains to help make today's sophisticated engines possible. They are lighter, quieter, more efficient and more economical than chains. Timing belts regulate the interaction of the pistons and valves.

**WHERE** they are – Your timing belt is inside your engine. You can't see it when you open the hood.

**HOW** to know if your car has one – Your owner's manual may tell you, but your best bet is to ask your technician. If he gives a brochure concerning timing belts, you have one.

**WHY** you need to know – Like any other auto part, timing belts eventually wear out. They need to be replaced before they break.!



### **When a timing belt breaks . . . Your car stops . . . Immediately!**

The good news . . .

You'll need a tow to a service station or repair shop, but your engine isn't damaged. Besides the inconvenience, you'll need a new belt installed.

The bad news . . .

If your car has an "interference engine," your engine may have suffered internal damage. In addition to the inconvenience of the tow and the belt replacement, you may need a new engine!

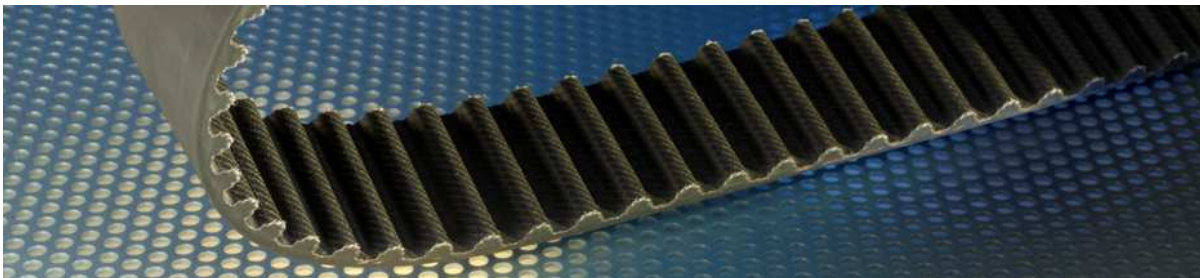
What is an interference engine?

An engine is either “interference” or “free-running” depending on its design of pistons and valves. If the timing belt breaks in an interference engine, an open valve may be struck by a moving piston. This can result in serious damage and expensive repairs. Your entire engine may have to be replaced.

Make sure you have the right belt!

When an automaker finds the belt originally specified for a particular engine doesn't hold up they recommend a stronger belt for replacement — often a NAPA or Gates belt with HSN (Highly-Saturated Nitrile) construction. Gates HSN belts look like any other belts, but they're made of far tougher materials and last much longer.

Other belt manufacturers may not update their lines to reflect this. Their less costly (neoprene) belt won't last as long. Gates and NAPA HSN belts may cost more, but they're worth it, especially when you consider the belt cost is only 5% to 10% of the total repair bill. All Automotive recommends both NAPA and Gates HSN belts.



**Avoid Trouble — Replace your timing belt before it breaks!**

Unless your owner's manual calls for different servicing intervals, the recommended time to change your timing belt is every 60,000 miles.

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