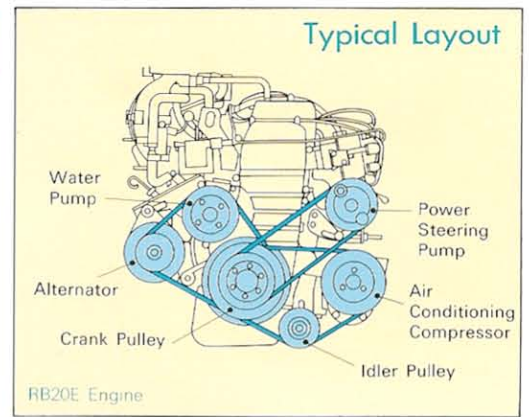


WHAT ARE FAN BELTS USED FOR?

Fan belts and other belts perform a vital role in the proper operation of your Nissan vehicle. Belts are used to transfer power from the crank shaft to your vehicle's water pump, cooling fan and alternator. They are also used to drive the oil pump needed to pressurize the power steering system and the compressor which operates the air conditioning.

If these belts break or slip your engine may overheat and your alternator may fail rendering your vehicle inoperative. Belt failures may also cause steering difficulties and on diesel vehicles may impair braking capabilities.

For example, in a "RB20E" engine, typically the following operations utilize belts;

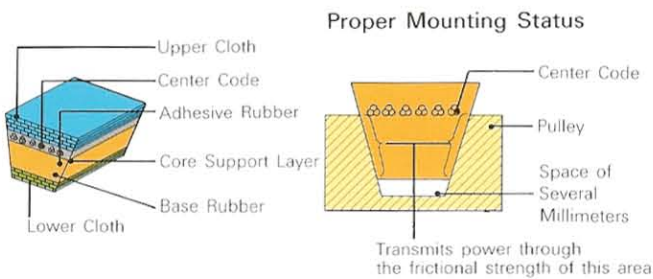


WHAT ARE NISSAN GENUINE FAN BELTS MADE OF?

Have you ever seen a fan belt? From the outside it looks extremely simple. If you cut one open, however, you will see that the internal structure is extremely complicated. Technological innovations are continually being advanced in the world of fan belts. Here we will take a look at three types of fan belts most commonly used in vehicles.

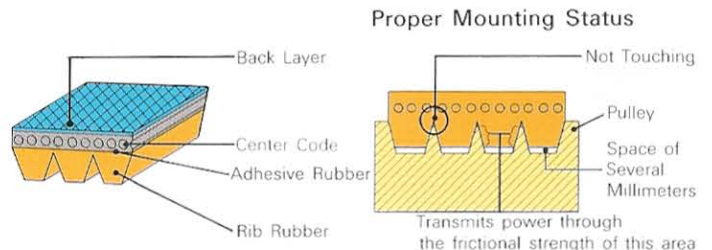
Low Edge V-Belt (Multi-Ply)

The increased number of layers of canvas in the base rubber section of this belt reduces the noise caused by slipping. This belt also may provide additional resistance to side pressure, dust and corrosion due to salt. It also stretches well to allow ease of installation.



Poly V-Belt

This poly V-belt is reported to be the highest quality vehicle belt on the market today. This belt is formed by linking many tiny V-belts on the bottom of a flat belt. Between 3 and 6 ribs can be chosen to match the performance of your engine. The thickness of the poly V-belt is about 2/3 of the low-edge type V-belt. Since it bends well this belt is well suited for use with small diameter pulleys. The poly V-belt also has good conduction efficiency; however, it does not generate much heat.



Low Maintenance Belt

Later model vehicles utilize a variety of belt units in the engine compartment often making belt replacement difficult. As a result, low-maintenance belts are now being used. These belts have cords which contract when exposed to heat. Once they wear and begin to slip, heat is created which causes the cords to shrink so the belt gets tighter and the tension is automatically adjusted.

CHARACTERISTICS OF INFERIOR FAN BELTS

The difference in quality between genuine Nissan fan belts and fan belts of inferior quality may not be readily apparent. When these belts are compared through actual use however, the difference becomes easily discernible.



Belts of inferior quality generally have a much shorter service life. This is due to the difference in the quality of the rubber and other materials used in the belt.



Genuine Nissan fan belts are made in increments of 0.2 inches to make them easier to mount in a crowded engine compartment.



Genuine Nissan belts are made to provide a custom fit in the pulley groove of your Nissan vehicle's engine. If the belt and pulley do not fit snugly, you may hear a lot of noise and your engine will not operate properly.

DO YOUR FAN BELTS NEED REPLACEMENT?

You should have your fan belts inspected based on the periodic maintenance schedule in your "Owner's Manual". The following are some simple guidelines to follow to determine if your belts may need replacement. If any of these events occur, immediately contact your authorized Nissan distributor or dealer.



- The air conditioner suddenly stops functioning.
- The engine overheats or the battery is completely discharged.



- The fan belt generates a "squeaky noise" which indicates pulley slippage (this is a fairly loud noise which can be heard even while the vehicle is in motion).



- The fan belt is loose.
- The fan belt is cracked.

REMEMBER: IT IS NOT SAFE TO OPERATE ANY VEHICLE WITH MALFUNCTIONING BELTS.

GENUINE NISSAN FAN BELTS