

ServiceFocus

Engine Construction

Exhaust Valves

Open to discharge combustion gases from the cylinders.

Intake Valves

Open to draw the air-fuel mixture into the cylinders.

Timing Belt/Chain

Synchronizes the rotation of the camshaft, which opens and closes the intake/exhaust valves, with the movement of the crankshaft.

Oil Pan

Receptacle for engine oil.

Cylinder Head

The indented lower surface forms the upper portion of the combustion chamber.

Camshaft

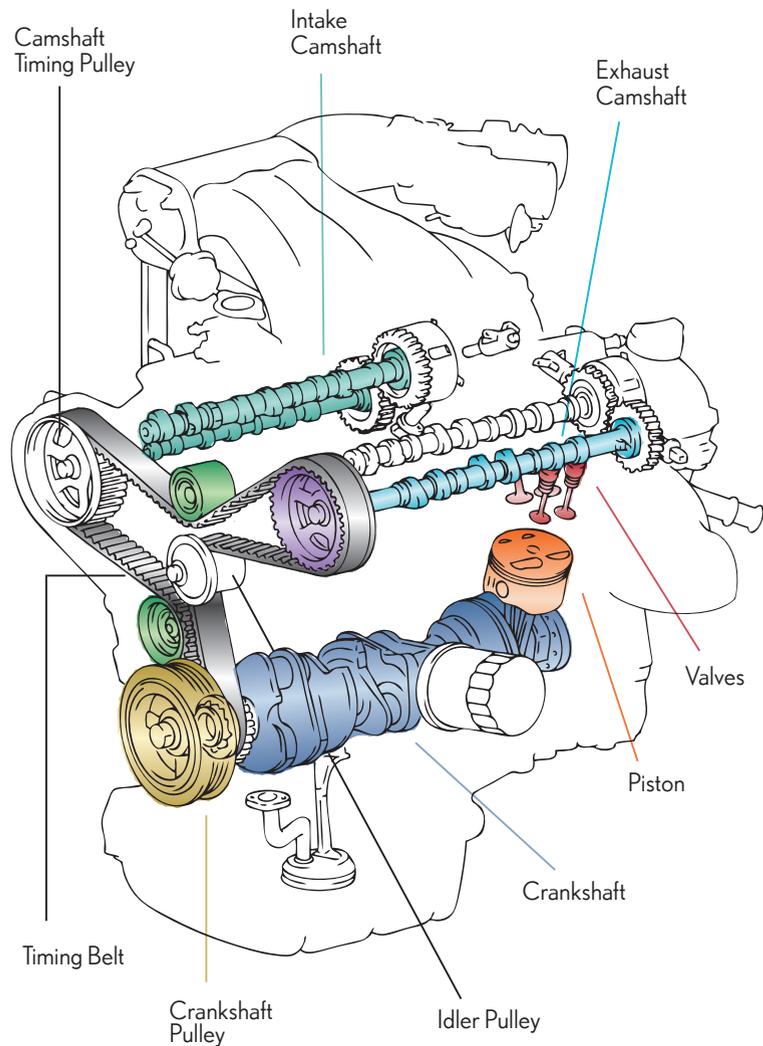
Driven by timing belt or chain. It opens and closes the intake and exhaust valves.

Pistons

Move up and down in the cylinder as a result of receiving the pressure created by the explosion of the air-fuel mixture.

Crankshaft

Converts the up-and-down motion of the piston into rotational motion via the connecting rods. This motion is transferred to the transmission which makes the vehicle move.



Product Focus

Manufacturer's Genuine Air Filters

What do they do?

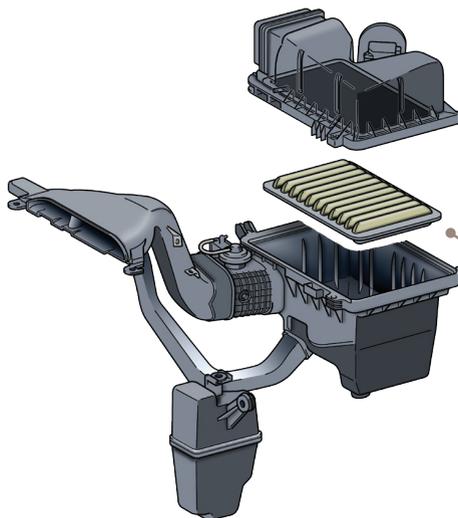
- Air filters prevent harmful particles from entering your engine and causing damage.
- Cleans up to 24,000 litres of air per hour when driving at 60 km/h.

When to service?

- Air filters eventually become clogged with trapped particles and as a result this will reduce engine performance.
- A clogged filter starves your engine for air, reducing fuel economy and increasing emissions.

When to replace?

- Remove and inspect every 6 months or 8,000 kilometres and replace as needed.



Proper Balance

Of efficient filtration and unrestricted airflow.

Quality Materials

Made from a non-woven cloth.



Multi-Layered Element

Incorporating coarse, medium and fine filters, traps particles of different sizes and resists clogging for long service life.

Exact Fit

Ensure proper sealing which is essential in keeping dirt out of your engine.

Product Focus

Manufacturer's Genuine Timing Belts

What do they do?

- Drive the camshafts, which control the opening and closing of the engine's intake and exhaust valves.
- Precise valve operation is critical to efficient engine operation.

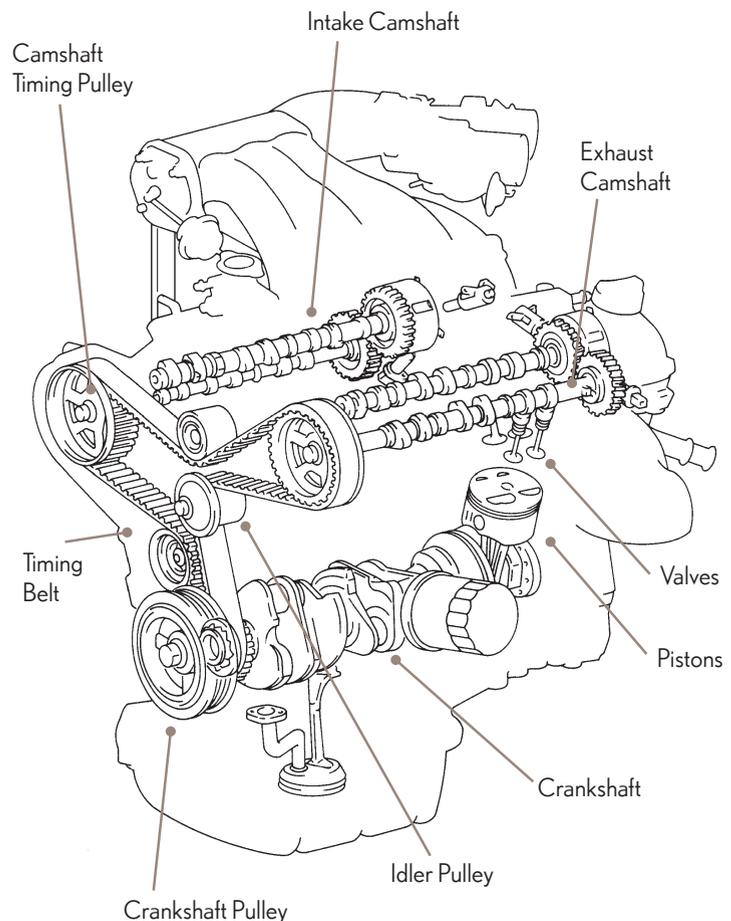
Why replace them?

- Timing belts are quiet, efficient and unseen, so they tend to be forgotten.
- Over time, they stretch, crack, become brittle and will eventually break.
- Breakage will stop your engine dead and could cause major internal damage.

When to replace?

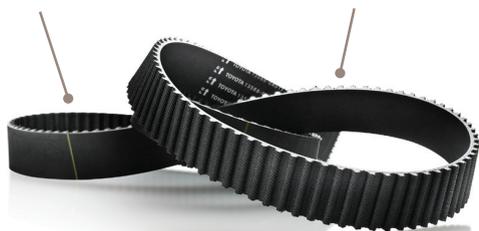
- Timing belts should be replaced according to the manufacturer's required maintenance schedule.
- Timing belt replacement involves a considerable amount of engine disassembly.

The timing belt connects to or interacts with:



Designed by the same engineers who built your Lexus.

Manufacturer's Genuine belts match your engine perfectly.



Ensure peak performance and reliability.

Product Focus

Manufacturer's Genuine Mufflers

What do they do?

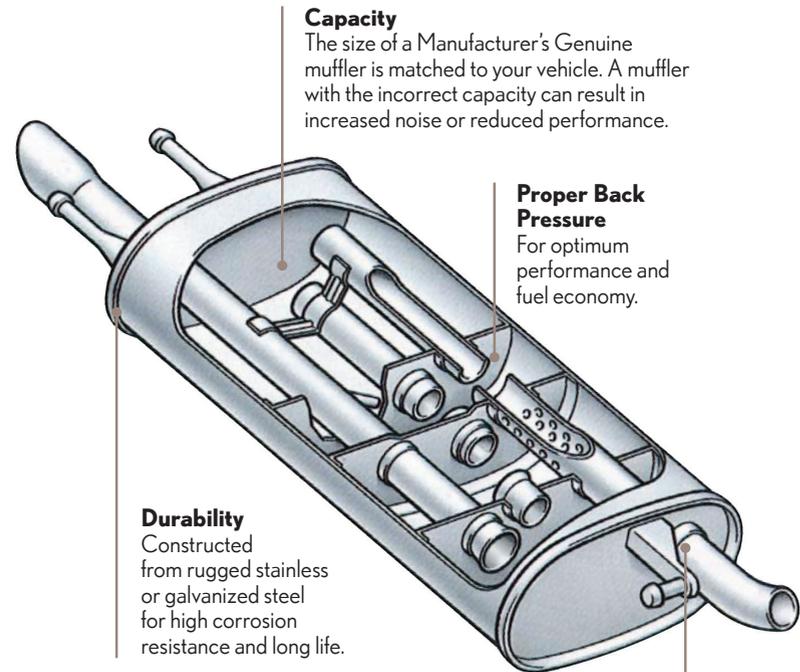
- Help minimize exhaust noise and vibration.
- Help tune exhaust back pressure for efficient engine performance.
- Help direct heat and exhaust gases away from vehicle.

Why do they need replacing?

- Even though the original equipment muffler will offer you years of trouble free driving, over time heat, vibration, road salt and moisture wear out and corrode your muffler.
- The vehicle will typically start to sound different prior to failure.

Warranty

- Coverage on a replacement manufacturer's genuine muffler is 12 months or 20,000 kilometres.
- Unlike others, our warranty includes all bolts and gaskets required to install the muffler.
- Lexus mufflers are complete assemblies.



Welded One-Piece Assembly
Means less corrosion and a better fit.

