12 dedicated mechanics working to give you the best service possible. Tires, brakes, suspension, exhaust etc. One stop shop. Certified Drive Clean Test and Repair Facility. Testing and repairing since 1999. A laser light alignment will assure your suspension is tweaked just right. We know that you want to maintain your car to the highest standards, 12 dedicated mechanics working to give you the best service possible.

RESEARCH:

A muffler is a device for reducing the amount of [noise](http://en.wikipedia.org/wiki/Noise_(environmental)) emitted by the [exhaust](http://en.wikipedia.org/wiki/Exhaust_gas) of an [internal combustion engine](http://en.wikipedia.org/wiki/Internal_combustion_engine).

Located inside the muffler is a set of tubes. These tubes are designed to create reflected waves that interfere with each other or cancel each other out. The exhaust gases and the sound waves enter through the center tube. They bounce off the back wall of the muffler and are reflected through a hole into the main body of the muffler. They pass through a set of holes into another chamber, where they turn and go out the last pipe and leave the muffler.

A chamber called a **resonator** is connected to the first chamber by a hole. The resonator contains a specific volume of air and has a specific length that is calculated to produce a wave that cancels out a certain frequency of sound.

When to Replace:

Inspect your exhaust pipe visually all over looking for rust thru holes either on the pipes or on the muffler. Tap on it. You should hear a "ting, ting, ting" kind of noise. If the noise is more muffled and/or if you break thru, well it is time. Exhaust fumes can get into the cab besides the extra noise.

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| **Typical costs:** |
| * Minor muffler repairs (such as welding a loose but still functioning muffler back in place or fixing broken clamps) can cost **$30-$500**or more, depending on the specific work done and local labor rates. |

* Having a muffler professionally replaced can cost **$75-$750**or more, depending on the type of vehicle (whether it's a car, SUV, pickup or van), and whether the replacement parts are made by the vehicle's manufacturer (typically more expensive) or are aftermarket parts produced by other companies.
* In some circumstances -- particularly if other parts like the exhaust pipes or [catalytic converter](http://cars.costhelper.com/catalytic-converters.html) also need replacing -- the total can be considerably higher, or as much as **$1,000-$2,500** or more. CostHelper readers report receiving quotes of **$1,400-$2,200** before finding less-expensive alternatives.