



Glossary for Garage Doors

1

Garage door springs

Springs for garage doors are coiled and pretty large in size. Actually, their size depends on the weight of the door. Some very heavy doors would need more than one spring since these parts make door movement possible. There are extension and torsion springs and despite their differences, they both counterbalance and move the door.

2

Maintenance service

Garage door maintenance is considered to be a preventive service. It includes the inspection of all parts, repairs, lubrication, adjustment and any alterations necessary so that the door will be tuned up. The purpose of maintenance is to prevent problems and accidents and is recommended to schedule at least once a year.

3

Garage door remote controls

The garage door opener is activated by either the wall switch or a clicker. People might also install keypads. Remotes are the most common means for opening the door. Each remote is made to work with certain openers often by the same brand only. There are also multicode clickers, which have multiple buttons for multiple openers.

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Insulated garage doors

Some new age garage doors are insulated. This means that they contain insulation materials in between panels for higher energy efficiency. Their thermal resistance is measured with the R-value, which should be around 12 or more. Doors are insulated with polyurethane or polystyrene materials and consist of multiple layers.

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Garage door cable

Cables look like wires. There are two cables for each overhead garage door and they go around a metal drum at each door side. They are connected with the springs and as they wrap around the drum, they pull the door to open up. They move in the opposite direction to close it down.

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Weather seals

When garage doors are installed, there's a tiny gap on all four sides. To avoid energy loss, weather seals are installed at the top, side and bottom part and must be replaced when they're worn. There are several types and most of them are made of vinyl to protect the door.

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Safety cables

Safety cables are optional parts of the extension garage door springs. They look like regular cables but have different end parts. They go through the extension springs and are hooked at each side so that they can keep the spring in place in case it breaks. They're installed for protection, just as their name indicates.

8

Cable drum

Cable drums are metal garage door parts around which cables are wrapped. There are differentiations among them, depending on the overhead door. They are grooved so that the cable will remain stable and the springs will be able to balance and move the door. They might be flat or have some raised parts.

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Galvanized garage doors

Most parts of the door are made of steel. Some garage doors are made of steel, too. Since steel erodes, manufacturers produce doors and parts of galvanized steel. The material is coated so that it will be more resistant to the elements. Galvanized parts won't rust unless their surface is scratched or needs lubrication.

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Garage door tracks

The tracks of overhead garage doors are the rails, which are installed at the two sides of the door and across the ceiling. They are made of steel and come out in different sizes to match the door's needs. There are vertical, horizontal and curved tracks and they host rollers which carry the door.

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Overhead garage door

Overhead doors are the most common types of residential garage doors. Their main characteristic is that they open over one's head and with the help of rollers, they move all the way across the garage and run along the ceiling. They are of different sizes and materials, can be insulated and are sectional.

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Garage door off track

This is one of the most common garage door problems. Overhead doors are connected with rollers, which roll in tracks so that the door can go all the way up and down. When the tracks are not aligned properly or there are similar issues, the rollers pop off the tracks and leave the door jammed.

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Sectional doors

Overhead garage doors are sectional. This means that they consist of several panels. Most residential average sized doors have four or five panels. They are connected to each other with hinges. Each panel has hinges on the sides, too. There are rollers installed at the side hinges to carry the door up and down.

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Garage door adjustment

When the door is not balanced correctly, it doesn't move evenly and might leave a gap on one side when it is closed. Since garage door springs counterbalance the door, the problem is solved by adjusting the springs. Their tension is either released or increased so that the door will be balanced.

15

Wind load garage doors

Wind load garage doors are designed especially for hurricane-prone regions. In some areas, hurricane doors - as they are also called – are required by the local building regulations. These doors are reinforced with bars and braces, have low gauge tracks, and are tested to ensure they can resist strong impact and high pressure winds.

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Garage door opener

The opener of each garage door consists of many parts and is chosen in accordance with the door's weight. The motor must have enough horsepower to activate door motion. Openers

integrate safety sensors and most of them have a trolley system and a belt, screw or chain drive guide.

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