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### Bent Track Repair

A garage door track can bend due to misalignment of its part, damage to the rollers, or an accident. Sometimes, the bent part can be straightened. If this is not possible, replacement is made. The parts of the track are properly aligned and the bolts which hold them in place are tightened.

2

### DIY Electric Operator

This type of garage door opener is designed for do-it-yourself installation. The power unit has the same design and operation as the models for professional installation. The drive options are the same as well. The DIY systems have a track which consists of several pieces while the professionally installed ones have a single-piece track.

3

### Extension Springs

The standard residential garage door extension springs come in a pair. The two springs go on the two sides of the wall and are mounted right above it. They stretch when the door is closing and contract when it is opening. In this way, they counterbalance its weight.

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### Garage Door Fasteners

This is a common name for the nuts, bolts, and screws which are used to keep the components of the garage door together. The fasteners come in a wide variety of designs and sizes. All of the fasteners which a model uses are described in the owner's manual.

5

### Garage Door Rollers

These parts consist of a wheel and a stem. The stem of each roller goes into a hinge which is attached to the door while its wheel is set inside the track. In this way, when the door opens and closes the rollers direct its movement along the tracks.

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#### Glass Garage Door

This type of door has glass panels. They are set in a metal frame. The frame is typically made from a rust-resistant metal such as aluminum or copper. The panels are designed to be strong and durable. They are made from tempered glass which is highly resistant to damage and breaking.

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#### Insulated Garage Door

This type of door contains layers of insulation material, whose purpose is to block the transfer of heat from the interior of the garage to the outdoor environment. The material is typically polyurethane or polystyrene. Most modern doors have one or two layers of insulating material.

8

#### Jackshaft Opener

This is a compact wall-mounted opener which stays on the side of the door. It is directly connected to the shaft which goes through the garage door torsion spring. It works to operate the door by spinning the shaft in the required direction. Traditionally, this type of opener has been used for commercial doors.

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#### Moving Gear

This is a plastic gear found inside every garage door opener. It is responsible for transferring power from the motor to the other system components. In this way, it helps the smooth movement of the door. When it obtains damaged or breaks, it must be replaced without delay.

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#### Oil Tempered Springs

These torsion coil springs are made from hot-rolled steel. During the manufacturing process the steel wire is heated then dipped in oil and then heated again. The oil tempering strengthens the spring and makes it more durable. That is why these springs are typically recommended for larger and heavier doors.

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#### Opener Horsepower

This measurement shows how powerful the motor of the electric operator is. Openers with higher horsepower are capable of lifting larger and heavier doors. The horsepower varies considerably between models so there is something for everyone. Most units have horsepower within the range from 0.5 to 1.5.

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### Opener Travel Limits

These are the bottom and top levels to which the door will travel when closing and opening respectively. The limits are adjusted with the use of knobs when the garage door opener is installed. They have to be set correctly or the door may slam the floor when closing or hang above it.

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### Operator Trolley

This is a component of the electric operator system. It is attached to the arm, which is connected to the top of the door, and travels back and forth the operator's rail. It enables the opening and closing of the door. Usually, it has a rope which can be pulled for disengaging the operator.

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### Panel Painting

The panels of steel and wood garage door typically arrive unpainted. Since both materials may suffer damage due to contact with moisture, panel painting is recommended as an effective protective measure. The paint can prevent wood decay and metal corrosion. The panels are painted after installation with the use of a product recommended by the door's manufacturer.

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### Safety Belts

These belts are designed to go through the garage door extension springs. In this way, if a spring breaks, the safety cable will hold the door in place until the broken part is replaced with a new one. These are not the same as the extension belts which are responsible for operating the door.

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### Sectional Garage Doors

These doors have a structure which consists of sections or panels. Most models have between three and eight panels. They are held together by hinges. When the door opens, the sections move up one by one. In this way, the door never extends out of its frame.

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### Spring Cycle Life

This is a measure of a spring's useful life. It is based on how many operation cycles it can perform before it has to be replaced. Each operation cycle consists of opening and closing. Most manufacturers provide a cycle life estimate for each spring model.

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#### UL 325 Standards

These are safety standards which apply to garage door openers among other devices. All openers which are sold in the market must meet these standards. One of the most important requirements is for the units to have a safety reversal mechanism which works to stop the door's downward movement when it comes in contact with an object.

Garage Door Service Palos Hills

<http://www.garagedoorservicepaloshills.com/>

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