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### Bottom Brackets

These are flat metal pieces of hardware which are set at the bottom of the door. They are responsible for housing the stems of the bottom rollers which move along the tracks. In case the holes which house the stem become oblong, the brackets need to be replaced.

2

### Cable Replacement

Garage door extension cables are replaced when they are broken. Immediate replacement is required to ensure the safe operation of the entire system. Worn-out and frayed cables should be replaced in a timely manner so that accidents are avoided. The replacement part must have the same specifications as the original one.

3

### Cable Safety Device

This is a specially designed metal fixture which is installed at the bottom part of the garage door. It works to prevent the door from collapsing, causing injury, and damage in case a cable snaps. The device has an extremely important role for the safety of the garage.

4

### Direct Drive Opener

This is the latest type of opener. It does not have a stationary motor unit. The motor unit is integrated with the trolley and runs along the track to open and close the door. The direct drive models operate fairly quietly and should not require any specific maintenance.

5

### Flush Panels

These are flat, smooth, and even door sections which do not have special ribs. The flush panel door look is completely uniform and has no recessed or raised sections. These models are

considered to be a modern style based on minimalism. They are readily available from the top garage door brands.

6

### Garage Door Cycle

The cycle consists of one opening and one closing of the garage door. It is an important measure for the useful life of springs and openers. The manufacturers estimate how many cycles the respective part or device can perform. In case of door malfunctioning, the owner must take notice during which part of the cycle the problem manifests itself.

7

### Garage Door Lock

This is a device which increases the security of the garage by preventing unauthorized access to it. The physical locks for this type of door range from standard models with bolts and barrels to special models which are designed to lock the door to the ground. The most advanced devices including electronic entry pads.

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### Garage Door Repair

Repair is made when a component of the garage door system is physically damaged and/or malfunctioning. Once the cause of the problem is found, the most appropriate resolution is implemented. The repair may involve replacing the existing part with a new one which has the same specifications. Adjustments are made to the system if necessary.

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### Garage Opener Remote

This is a compact battery-powered device which is used for engaging the opener to open and close the door. It transmits a radio signal which is picked up by a receiver inside the operator. The risk of signal interference is extremely low. Each opener comes with one or two remotes.

10

### Metal Part Gauge

This is a measure of the thickness of metal garage door parts. Parts like tracks and cables which have a higher gauge are generally stronger and more durable compared to their thinner counterparts. Still, the metal thickness is not the only factor affecting the part's strength. The make is equally important.

11

### Metal Sheave

This is a specially designed pulley which is part of the garage door system. It has ball bearings and enables the movement of an extension cable during opening and closing. The sheaves play an important role in keeping the system balanced. Proper balancing results in safe and effective operation.

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#### Nylon Rollers

These rollers have wheels or heads made from nylon and metal stems. The nylon makes the wheels more durable and they are fully resistant to water damage. Additionally, the nylon rollers provide for quieter door operation due to the reduced friction with the track's walls. They do not require any lubrication.

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#### Opener Accessories

These are devices which are used along with the opener to provide for greater efficiency, convenience, and security. The main opener accessories include remote controls, wall mounted buttons, safety sensors, wired and wireless keypads along with advanced wall consoles. Some accessories are included in the package while others have to be purchased separately.

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#### Opener Speed

This is the speed at which the device opens the door. It is measured in inches per second. It can be as high as 14 inches per second. Some more powerful models may produce an even higher speed. The closing speed of all openers is the same for safety reasons.

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#### Roll Up Door

This type of door consists of sectional metal panels which are connected to each other. It uses a torsion spring which is set over a shaft. When the door is opened, the panels roll around the shaft above it. This is where its name originates from.

16

#### Safety Reversal Mechanism

This mechanism works to reverse the downward movement of the garage door when it touches a person or object while closing. Systems which use garage door sensors are more advanced. When the beam produced by the sensors is crossed, the door will reverse its course automatically even before it makes contact with the person or object.

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#### Shaft Bearings

These garage door bearings work to support the weight of the door. They are important parts of the counterbalance mechanism. They require regular lubrication in order to operate in an effective and quiet manner. In case of damage, immediate repair need to be provided.

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### Spring Anchor Plates

These parts work to deliver torque from the stationary end of the garage door tension spring to the connected components. They also help to support the weight of the shaft which goes through the spring. In this way, it can stay level. These plates are made to be strong and durable.

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972-512-0987