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### Automatic Safety Reversal

This is a mechanism which every garage door opener made after 1993 is equipped with. The mechanism works to reverse the door's downward movement automatically when there is an object on its path. In this way, it helps to prevent accidents during the door's closing.

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### Bottom Brackets

These garage door parts are designed to hold the lower ends of the lift cables. They are installed at the bottom of the door on its two sides. In many door designs, they hold the bottom rollers as well, but this is not always the case.

3

### Cable Drums

These garage door parts come in pairs. There is one drum on each side of the shaft which runs through the torsion spring. The drums are responsible for the orderly winding and unwinding of the cables when the door is opening and closing respectively.

4

### Central Bearing Plate

This is a type of bracket which is especially designed to house a shaft bearing. Its job is to align the garage door spring to the shaft which it goes over. It works to provide effective support to the spring as well.

5

### Electric Operator

This is another term for garage door opener. It is used primarily in the UK and other parts of the world. It is considered that this term defines the function of the device more correctly. This is because the appliance not only opens the door. It operates it entirely through opening and closing.

6

### Galvanized Torsion Spring

This type of garage door spring is made from hard-carbon steel which has undergone the process of galvanization. The alloy is dipped in molten zinc which creates protective coating. Then the material is drawn into wire which the spring is made from. The coating makes the component resistant to rust and corrosion.

7

### Garage Door Keypad

This is a keyless device for access control. It is mounted outside of the garage and requires entering a four-digit code for engaging the opener. When the code is correct, the transmitter inside the keypad sends a signal to the motor unit to open the door.

8

### Garage Door Rollers

These are components which consist of a wheel and an axle or stem. The axle goes into the cylinder of a hinge which is attached to the door. The wheel goes into the garage door track. In this way, when the door moves, the rollers guide it by moving along the two tracks.

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### Garage Door Shaft

This is a tubular metal component which sits above the door frame and goes through the garage door torsion spring. It works to distribute the lifting force of the spring to the drums and to the cables. In this way, it facilitates the opening and closing of the door.

10

### Garage Opener Trolley

This is a special bracket which is mounted on the rail of the garage door opener and attached to the door via a moving arm. The chain, screw or belt drive moves the trolley along the rail. In this way, this component facilitates the opening and closing of the door.

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### Hardware Inspection

This is a standard maintenance procedure which involves checking all metal garage door parts for extensive wear and tear, fraying and various types of damage. It is typically performed twice a year. Components which are not in good condition are replaced with new ones timely.

12

### Insulated Garage Door

This is a door which has a layer of insulating material. This material is usually polyurethane, but it can also be polystyrene. The insulation layer increases the level of energy efficiency of the door. It can be installed at the back of a layer of steel or in between two layers of steel.

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#### Opener Logic Board

This is the control board of the garage door opener. It is responsible for controlling all of its operations. It captures the signals emitted by the remote control, keypad, and safety sensors and sends voltage to the motor so that it can open or close the door.

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#### Professional Line Opener

This is a residential garage door opener which has a single-piece rail also referred to as track. Since the rail is a single long component, it can be transported only in a vehicle with a special setting which is used by professional installers. This is where the name of the device comes from.

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#### Rollup Garage Door

It is made from a single sheet of flexible steel which is rolled into a bundle above the ground during opening and unrolled during closing. The bundle goes around the shaft which holds the garage door torsion spring. This type of door uses a jackshaft opener which is installed on the wall and attached directly to the shaft.

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#### Spring Safety Cable

This is a special cable which is threaded through each of the garage door extension springs. It is secured to the ends of the track. It works to hold the door in place in case the spring breaks. In this way, it prevents accidents which may lead to property damage and injury.

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#### Spring Lift

This is the amount of weight which a garage door torsion spring can lift. It is determined by the torque which the spring is loaded with. The lift is measured and presented by the manufacturer of the component. It enables technicians to select a spring which matches the weight of the respective door.

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#### Threshold Seal

This type of seal is designed to be installed on the floor under the bottom of the overhead garage door. It fills the thin gap between the door and the floor. It works to block flows of water and liquid chemicals and to prevent direct contact with the lower panels.

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#### Wind Load

This is the amount of wind force which a garage door can withstand during a storm. Units with high wind load are specially manufactured to hurricane-prone areas. These have stronger hardware components with special designs which reduce the risk of the door getting blown away by the strong wind.

20

#### Wall Mounted Control

This is a fixed device for operating the garage door opener. It is mounted on the wall usually close to the door to the house. It is connected to the logic board of the opener either via a wire or wirelessly. This is how the signals from it are received and interpreted by the operator.

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