Garage doors are large, heavy objects that move with the help of springs under high tension and electric motors. Since they are attempted as danger of exposing substrate is greatly increased.

**Cleaning Your Garage Door**

While factory-applied finishes for steel garage doors are so durable that they will last many years longer than ordinary paints, it is desirable to keep them thoroughly on a routine basis. Actual discoloration of the paint may occur if it has been exposed to dust and other atmospheres for long periods of time. Light cleaning may also cause some change in appearance in areas of strong sunlight. A good cleaning will generally remove the appearance of these coatings and render restoration of the original patchy appearance. Light occasional cleaning will also help maintain an aesthetically pleasing appearance. To maintain the original finish of the garage doors, the only regular maintenance necessary is that of annual washing. Mild solutions of detergents or household ammonia will aid in the removal of most dirt, and the following are recommended:

- Use a mild soap or soap detergent and water.
- Use of Tris™ or other common detergents, which contain less than 0.5% phosphate, dissolved in two gallons of water.

NOTE: The use of detergents containing greater than 0.5% phosphate is not recommended for use in general cleaning of garage doors.

**Painting Your Garage Door**

While the surface must be removed to paint metal surfaces, it is desirable to keep them thoroughly on a routine basis. Actual discoloration of the paint may occur if it has been exposed to dust and other atmospheres for long periods of time. Light cleaning may also cause some change in appearance in areas of strong sunlight. A good cleaning will generally remove the appearance of these coatings and render restoration of the original patchy appearance. To maintain the original finish of the garage doors, the only regular maintenance necessary is that of annual washing. Mild solutions of detergents or household ammonia will aid in the removal of most dirt, and the following are recommended:

- Use a mild soap or soap detergent and water.
- Use of Tris™ or other common detergents, which contain less than 0.5% phosphate, dissolved in two gallons of water.

NOTE: The use of detergents containing greater than 0.5% phosphate is not recommended for use in general cleaning of garage doors.

**Surface Preparation for Painting**

Wash the surface to be painted or exposed to Tris™ or other common detergents dissolved in two gallons of water. Use a mild soap or soap detergent and water.

- Use of Tris™ or other common detergents, which contain less than 0.5% phosphate, dissolved in two gallons of water.

NOTE: The use of detergents containing greater than 0.5% phosphate is not recommended for use in general cleaning of garage doors.

**Safety Information**

Garage doors are large, heavy objects that move with the help of springs under high tension and electric motors. Since moving objects, springs under tension, and electric motors can cause injuries, your safety and the safety of others depend on you reading the information in this manual. If you have questions or do not understand the information presented, call your nearest trained door system technician or visit our website.

**WARNING**

**In the following text, warning means that severe injury or death can result from failure to follow instructions.**

**Important Safety Instructions Read and Follow All Instructions Save These Instructions**

**Potential Hazard**

- Keep people clear of opening while door is in motion.
- Do not allow children to play with the Locking Device.
- Do not open or close the door while under tension.

**Effect**

- Could result in Death or Serious Injury

**Prevention**

- Do not try to remove, install, repair or adjust springs or anything to which spring parts are fastened, such as wooden blocks, steel brackets, cables, or other like items.
- Installations, repairs and adjustments must be done by a trained door system technician using proper tools and instructions.

**GARAGE DOOR SAFETY**

1. Do NOT permit children to play with or near any garage door or electric operating controls.
2. Keep hands and fingers clear of sections, joints, track, and other door parts when the door is in motion and closing to avoid injury. The WH handles are located for safety operation as well as ease of use.
3. Bolts must be installed at the rear of and horizontal tracks. These act to stop the rollers and keep the door from rolling off the back of the track.
4. Track installations must use way braces on the rear track hangers to prevent sideways movement. If the tracks are NOT firmly stabilized they might spread, allowing the door to fall and cause severe injury and damage.
5. Springs, Cables, and Bottom Corner Brackets are under very high tension. Do NOT attempt to remove, repair or adjust fasteners on these components or anything to which these parts are attached, such as wooden blocks, steel brackets, or other like items. You could suddenly release spring force and risk severe injury.
6. If the garage door and/or any of the supporting tracks are damaged, operating the door could be hazardous. Take the door out of service and contact a local door system technician to promptly service or repair the door.
7. Be sure that your garage complies with all applicable state and/or local ventilation requirements before you enclose any vehicles in the garage. Good ventilation avoids the smoke and carbon monoxide hazards caused by burning of a well-sealed structure.
8. Keep ice and snow from accumulating at the bottom of the door during winter weather conditions. Ice and/or frozen snow may cause the door and broken seal to stick to the floor. Operating a stuck door may cause permanent damage to the door system.
9. KEEP DOORS PROPERLY BALANCED. An improperly balanced door increases the risk of severe injury or death. Have a trained door system technician make repairs to cables, springs, and other hardware as necessary.
10. Doors equipped with an automatic door opener can cause serious injury or death if improperly adjusted and operated. To ensure safety of these doors:
   - Never allow children to operate or play with the door controls. Keep the remote control away from children.
   - Always keep the moving door in sight and people and objects away from the door until the door is completely closed.
   - Before or after installing or removing the safety reversal system, or adjusting the door opener, check the door opener to ensure it is fully functional. Failure to adjust the opener properly may result in severe injury or death.
   - Use extreme caution when closing the door. If the door is to be electrically operated, remove pull ropes and remove or disable the door opener.
   - Repaint the door when paint is worn or damaged. Do not paint track, track rollers, graduated hinges, counterbalance lift cables, springs, lock, or warning labels.
   - Do not paint track, track rollers, graduated hinges, counterbalance lift cables, springs, lock, or warning labels.

**GENERAL INFORMATION**

- The manufacturer has designed and shipped the components specifically for each type of door. The door will operate safely and efficiently for an extended period of time if it is PROPERLY INSTALLED, OPERATED, AND MAINTAINTED. The manufacturer recommends that the garage door be inspected and lubricated regularly as described in this manual.

**Recommendations**

- The manufacturer has designed and shipped the components specifically for each type of door. The door will operate safely and efficiently for an extended period of time if it is PROPERLY INSTALLED, OPERATED, AND MAINTAINED. The manufacturer recommends that the garage door be inspected and lubricated regularly as described in this manual.

**Manual Operation**

- If provided, always use lift handles and step plates when operating the door manually. Do not place fingers or hands between sections.

**Door Inspections**

- All mechanical devices require periodic service and/or maintenance, and garage doors are no exception. The amount and frequency of preventive maintenance required depends on the local environment conditions and the frequency of door use. Preventive maintenance should be performed at least every six months, however more maintenance may be required in severe environments.

**Door Tracks**

- Keep tracks free of oil or grease so rollers move freely. Grease attracts dirt and dust which builds up on the door from moving repeatedly.

**Lightly Oil**

- Springs, Roller Stem, Inner drive assembly (these metal rollers do not require lubrication).
- Locking Device moving parts, Torsion Spring (dipped plate bearing surfaces, torsion tube, and spring coil surfaces).
- Lubrication reduces wear and friction. A 10 or other medium weight oil is satisfactory. Wipe off excess oil from door and track surfaces.

**Spring coils surfaces**

- Torsion tube surfaces

- Torsion spring tags
Hardware Inspection

Close and lock the door. Inspect the hardware, door plates, hinges, top-fillers, locking devices, and track brackets to make sure that they are securely attached. Tighten fasteners as necessary. DO NOT use electric tightening may strip the threads and make the fasteners unusable.

WARNING

DO NOT TRY TO REMOVE, INSTALL, REPAIR OR ADJUST SPRINGS OR ANYTHING TO WHICH DOOR SPRING PARTS ARE FASTENED, SUCH AS WOOD BLOCKS, STEEL BRACKETS, CABLES OR OTHER LIKE ITEMS. INSTALLATIONS, REPAIRS AND ADJUSTMENTS MUST BE DONE BY A TRAINED DOOR SYSTEM TECHNICIAN USING PROPER TOOLS AND INSTRUCTIONS.

Cable Inspection

Inspect the cables. The cables should be tight and secure to the bottom fixtures. The cables should not rub against the door, track or any other objects. Cables with fray or broken strands should be replaced by a trained door system technician.

Counterbalance Lift Cable Assemblies

WARNING

BOTTOM CORNER BRACKETS, TORSION SPRINGS), COUNTERBALANCE LIFT CABLES, DRUMS, PULLEYS, SHAFTS, AND BRACKETS ARE UNDER HIGH SPRING TENSION. DO NOT ATTEMPT TO REPAIR, ADJUST OR REMOVE ANY OF THESE ITEMS. CALL A TRAINED DOOR SYSTEM TECHNICIAN.

Broken or Slipped Cable

If a spring breaks, the door will not be counterbalanced and may fall if opened. DO NOT continue to use the door. Call a trained door system technician to repair the door.

Broken Spring

WARNING

HOMEOWNER! TORSION SPRINGS SHOULD ONLY BE REMOVED, INSTALLED, REPAIRED OR ADJUSTED BY A TRAINED DOOR SYSTEM TECHNICIAN. CALL A TRAINED DOOR SYSTEM TECHNICIAN USING PROPER TOOLS AND INSTRUCTIONS.

Overhead Door Corporation Limited Warranty

Traditional Steel

Garage Door Limited Warranty

The Distributor of Overhead Door Corporation products whose name appears below ("Seller") warrants to the original purchaser of the Traditional Steel garage door model listed below (the "Product"), subject to all of the terms and conditions hereof that the Product and all components thereof will be free from defects in materials and workmanship for the following periods of time, measured from the date of installation:

- Model 170/171/175 – Fifteen (15) years
- Model 180/181/185 – Twenty (20) years

Seller's obligation under this warranty is specifically limited to repairing or replacing, at its option, any part which is determined by Seller to be defective during the applicable warranty period. Seller's repair or replacement labor is included for a period of one (1) year from the date of installation:

- Model 170/171/175 – Fifteen (15) years
- Model 180/181/185 – Twenty (20) years

Sellers warrants all other components of the Product for a period of one (1) year.

Claims under this warranty must be made promptly after discovery, within the applicable warranty period, and in writing to the Seller whose name and address appear below. The purchaser must allow Seller a reasonable opportunity to inspect any Product claimed to be defective prior to removal or any alteration of its condition. Proof of the purchase and/or installation date and identification of the original purchaser may be required. There are no established informal dispute resolution procedures of the type described in the Magnuson-Moss Warranty Act.

LIMITED LIFETIME WARRANTY

Seller warrants the Product to the original purchaser as long as the original purchaser owns, and the Product remains installed in, the home in which it was initially installed. Seller's obligation under the limited lifetime warranty is specifically limited to repairing or replacing, at its option, any part which is determined by Seller to be defective during the applicable warranty period. Seller's repair or replacement labor is included for a period of one (1) year from the date of purchase. All other limited warranties are hereby disclaimed. This warranty does not cover any damage or deterioration caused by exposure to salt, airborne chemicals, corrosive or aggressive environments, weather conditions or any other cause beyond the reasonable control of Seller. Seller's obligation under the limited lifetime warranty is specifically limited to repairing or replacing, at its option, any part which is determined by Seller to be defective during the applicable warranty period. Seller's repair or replacement labor is included for a period of one (1) year from the date of purchase.

Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. NO WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE LIMITED WARRANTY PERIOD HAS EXPIRED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

Where no express warranty is made, implied warranties, including in particular warranties of merchantability and fitness for a particular purpose, are limited to the applicable warranty period. Some states do not allow exclusions or limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

This warranty is not transferable or assignable. This warranty applies only to the original purchaser of the Product and all components thereof. This warranty is not transferable or assignable. This warranty applies only to the original purchaser of the Product, and is not transferable or assignable.

The Distributor of Overhead Door Corporation products whose name appears below ("Seller") warrants to the original purchaser of the Product only, subject to all of the terms and conditions hereof that the Product and all components thereof will be free from defects in materials and workmanship for the following periods of time, measured from the date of installation:

- Model 170/171/175 – Fifteen (15) years
- Model 180/181/185 – Twenty (20) years

Seller's obligation under this warranty is specifically limited to repairing or replacing, at its option, any part which is determined by Seller to be defective during the applicable warranty period. Seller's repair or replacement labor is included for a period of one (1) year from the date of purchase. After that, any labor charges are excluded and will be the responsibility of the purchaser.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. This warranty applies only to the original purchaser of the Product, and is not transferable or assignable. This warranty applies only to the original purchaser of the Product, and is not transferable or assignable. This warranty applies only to the original purchaser of the Product, and is not transferable or assignable.