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> [SS 207 X 2" X 20" Garage Door Torsion Springs with Winding Bars Instruction Manual](#)

SS TS20207

SS 207 X 2" X 20" Garage Door Torsion Springs with Winding Bars Instruction Manual

Model: TS20207

IMPORTANT SAFETY INFORMATION

WARNING: Garage door torsion springs are under extreme tension and can cause serious injury or death if not handled and installed properly.

- Professional installation is highly recommended.
- Do NOT attempt to install or replace springs or related hardware yourself unless you possess the proper tools, reasonable mechanical aptitude, experience, and adequate upper arm strength.
- Always read and thoroughly understand all instructions before beginning any work.
- Ensure all tension is completely released from existing springs before attempting removal or installation.

If you are unsure about any step or lack the necessary experience, please contact a qualified garage door technician.

PRODUCT OVERVIEW

This product includes a pair of SS 207 X 2" X 20" Garage Door Torsion Springs, designed for residential garage door systems. These springs are manufactured from oil-tempered alloy steel, featuring a black corrosion-resistant coating for durability. The package also includes a nylon bushing and two winding bars necessary for installation.





Image: A pair of black garage door torsion springs, two metal winding bars, and a black nylon bushing. The springs are marked with "207" and "20".

Included Components:

- One (1) Left-Hand Wound Torsion Spring
- One (1) Right-Hand Wound Torsion Spring
- One (1) Nylon Bushing
- Two (2) Winding Bars

SETUP AND INSTALLATION

Due to the inherent dangers associated with garage door torsion springs, professional installation is strongly advised. This section provides a general overview for those with the necessary qualifications and experience, but it is not a substitute for detailed, product-specific installation guides or professional training.

General Installation Steps (for qualified individuals):

1. **Preparation:** Ensure the garage door is in the fully open position and secured. Disconnect the garage door opener.
2. **Release Tension:** Carefully release all tension from the existing torsion springs using the appropriate winding bars. This is a critical and dangerous step.
3. **Remove Old Springs:** Once tension is fully released, remove the old springs and associated hardware from the torsion tube.
4. **Install New Springs:** Slide the new SS torsion springs onto the torsion tube, ensuring the correct left-hand and right-hand wound springs are placed on their respective sides. Install the center bearing and end bearings.
5. **Secure Hardware:** Fasten all mounting brackets and hardware securely.
6. **Apply Tension:** Using the provided winding bars, carefully apply the correct number of turns to the new springs according to the garage door manufacturer's specifications. This step requires precision and caution.
7. **Test Operation:** After tensioning, reconnect the garage door opener and test the door's balance and operation. Adjust tension as needed to ensure smooth and balanced movement.

REMINDER: Incorrect installation or tensioning can lead to severe injury or damage to the garage door system. If you are not confident in your ability to perform these steps safely, seek professional assistance.

OPERATION

Once properly installed and tensioned, the torsion springs work in conjunction with your garage door opener and cables to counterbalance the weight of the garage door. This allows for smooth and controlled opening and closing. The springs themselves do not have user-operable controls; their function is passive, providing the necessary lifting force.

A properly balanced garage door should remain stationary when stopped at any point during its travel, without assistance from the opener. If the door drifts up or down, the spring tension may need adjustment by a qualified technician.

MAINTENANCE

Regular maintenance of your garage door system, including the torsion springs, is essential for safe and reliable operation.

- **Visual Inspection:** Periodically inspect the springs for any signs of wear, rust, or damage. Look for gaps between coils, which can indicate a broken spring.
- **Balance Test:** With the garage door closed, pull the emergency release cord to disconnect the opener. Manually lift the door halfway. If the door does not stay in place or is difficult to lift, the springs may need adjustment or replacement.
- **Lubrication:** While these springs are oil-tempered, applying a silicone-based garage door lubricant to the coils once or twice a year can help reduce friction and extend their lifespan. Avoid using grease or oil that can attract dirt.

CAUTION: Never attempt to adjust or repair a broken or damaged spring yourself. Contact a professional garage door technician immediately.

TROUBLESHOOTING

If your garage door is not functioning correctly, the torsion springs may be a contributing factor.

| Symptom | Possible Cause | Action |
|---------|----------------|--------|
|---------|----------------|--------|

| Symptom | Possible Cause | Action |
|---|---|---|
| Loud "pop" sound, door won't open. | Broken torsion spring. | Do NOT attempt to operate the door. Contact a professional technician immediately. |
| Door opens slowly or struggles to open. | Springs losing tension or incorrect tension. | Perform a balance test. If unbalanced, contact a professional for adjustment. |
| Door falls rapidly when closing. | Insufficient spring tension or broken spring. | Stop using the door. Contact a professional technician. |
| Door is crooked or off-track. | Could be related to spring tension imbalance or cable issues. | Do NOT attempt to operate the door. Contact a professional technician. |

For any issues involving the torsion springs, it is always safest to consult with a certified garage door professional.

SPECIFICATIONS

| | |
|--------------------|--|
| Brand | SS |
| Model Number | TS20207 |
| Spring Dimensions | Wire Size: .207", Inside Diameter: 2", Length: 20" |
| Material | Oil Tempered Alloy Steel |
| Coating | Black Corrosion Resistant |
| Mounting Type | Tension Mounted |
| Item Weight (Pair) | Approximately 13.75 Pounds |
| Manufactured In | U.S.A. |

WARRANTY INFORMATION

These SS Garage Door Torsion Springs come with a 3-year limited warranty. This warranty covers defects in material and workmanship under normal use and service. For specific terms, conditions, and to make a warranty claim, please refer to the original purchase documentation or contact the seller.

SUPPORT AND CONTACT

For technical assistance, installation guidance, or warranty inquiries, please contact your point of purchase or a qualified garage door service professional. Always prioritize safety when dealing with garage door components.

