

DOOR MAINTENANCE TIPS:

- Apply a coat of paraffin wax to the stop.
- Torsion spring should be oiled (*30 weight oil*) once a year to eliminate rust and friction.
- Wood door: all edges should be finished or sealed to eliminate weight gain from moisture absorption.
- Painting adds weight necessitating re-adjustment.

The Maintenance and Repair tips suggested in this brochure are offered as a general guide to improve garage door operation and to help prevent more serious problems from occurring.

DO NOT ATTEMPT more complicated repairs without first contacting a professional garage door installer or repair specialist.

Thank you for selecting PRIME-LINE replacement parts for your repair project.

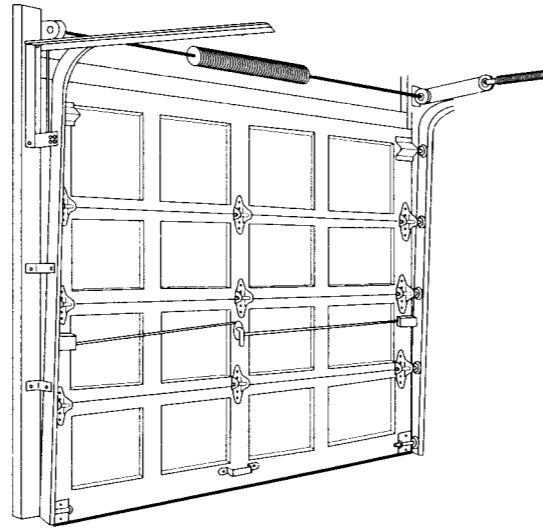
PRIME-LINE
San Bernardino, California



DO-IT-YOURSELF
**SECTIONAL
GARAGE
DOOR**

Part no.
GD-12209

PREVENTIVE MAINTENANCE GUIDE



The following recommended adjustments should improve the operation of your door and could save more costly repairs in the future.

PRIME-LINE
The Replacement Hardware Company

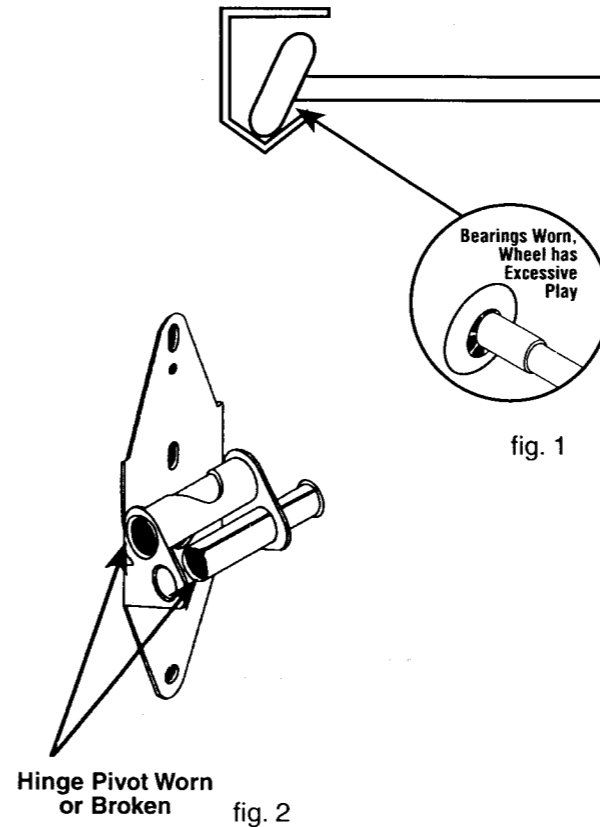
**QUICK
& EASY
3-STEP GUIDE**

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● STEP 1: INSPECT COMPONENTS

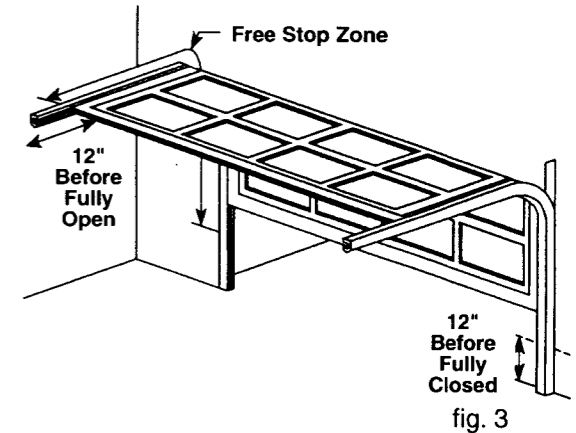
Close door & disconnect automatic opener arm (*if applicable*). Inspect each hinge and roller assembly on both sides beginning at bottom and working up. Push and pull on each assembly in order to spot worn-out rollers, hinges or cables. Replace all worn or defective parts. Spray all moving parts with **Garage Door Lubricant, no. GD-12208**. Repeat procedure for all center hinges and cable pulleys. Tighten all nuts and bolts as you go.

TWO MOST COMMON PROBLEMS:



● STEP 2: CHECK TENSION & BALANCE

Door should still be closed and disconnected from door opener. Manually open door from inside. Door should operate freely and should maintain a fixed position, when stopped, at any location in the travel span (*the exception to this is the first and last 12" of travel*). Your door is properly balanced if it will stop in this "Free Stop Zone".



POTENTIAL PROBLEMS & HOW TO RESOLVE THEM:

- **PROBLEM: Too Much Spring Tension:** Door tends to lurch upwards or will not stop in the "Free Stop Zone" when being raised.
- **RESOLVE:** Open door to it's fully open position. Block track below the bottom roller with a "C" clamp or channel lock pliers.

Remove track "S" hook and mark the hole with a felt-tip pen or piece of tape. Loosen cable on cable connector and feed approximately 1" - 2" of cable toward spring to reduce spring tension. Re-tighten connector. Replace cable hook into previously marked hole in track. Measure the "A" dimension (*in illustration below*) and adjust opposite side so that both sides are alike. Test door to see if it performs as indicated in **Step 2**.

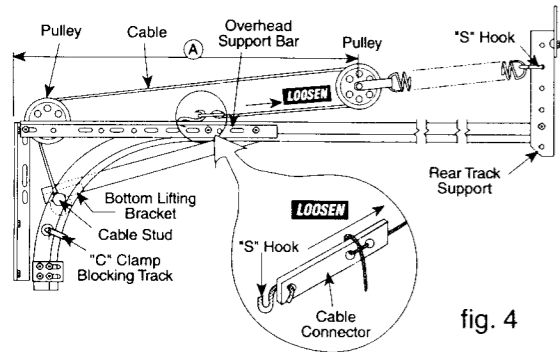


fig. 4

● **PROBLEM: Too Little Spring Tension:** Door tends to fall downward or will not stop in the "Free Stop Zone" on being closed.

● **RESOLVE:** Open door and block rollers as previously indicated. Remove track cable hook and mark the hole as noted above. Loosen cable on cable connector, feed cable thru the connector away from the spring (*moving cable connector closer to the spring 1" to 2"*). Re-tighten connector. Replace "S" hook into same hole in track as before. Adjust opposite side in same manner and check dimension "A" (*center of pulley to inside face of door*). Both sides should be the same.

● **PROBLEM: Door Misalignment:** Door becomes cocked or crooked. (Spring tension is not properly balanced).

● **RESOLVE:** Adjust spring tension on side where door is lowest. Check measurement "A" on the opposite side and make necessary adjustment to weak side cable as previously noted. Now check door level in a partially open position. If door continues to bind your springs are mismatched. This can be caused by metal fatigue.

Replace ALL EXTENSION SPRINGS in order to balance tension and to maintain equal performance characteristics. **NOTE:** Prime-line Garage Door Springs are tested to 10,000 cycles and should have an average life span of about 10 years.

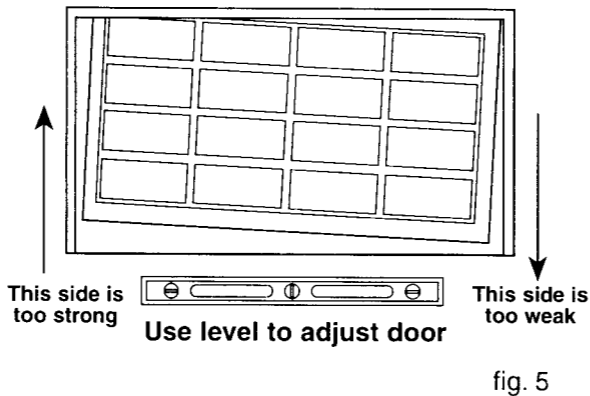


fig. 5

● **STEP 3: CHECK TRACK ALIGNMENT**

Door should remain centered between each track during operation. To check for proper centering of door; open door and draw 2 chalk lines on floor of garage using a square.

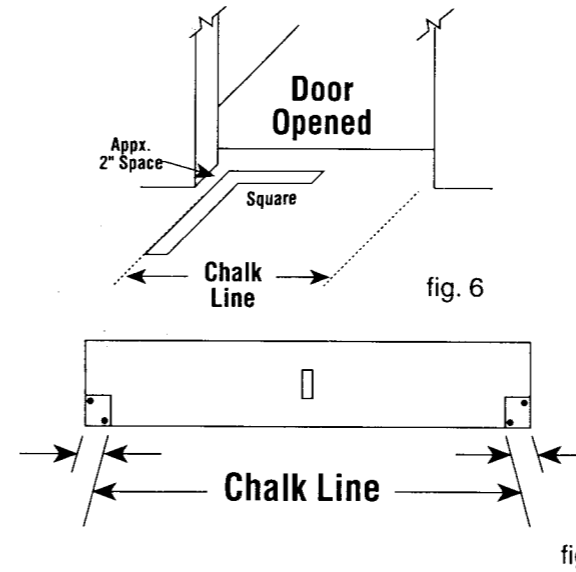


fig. 7

Close door and measure distance between chalk line and door edge. It should be the same on both sides.

● **STEP 3A: TO ADJUST CLOSED DOOR ALIGNMENT**

Partially loosen the bottom track bracket bolt and gently tap inward (*towards door*) with a hammer until snug. Adjust opposite side in same manner. Check chalk line measurement again for center position.

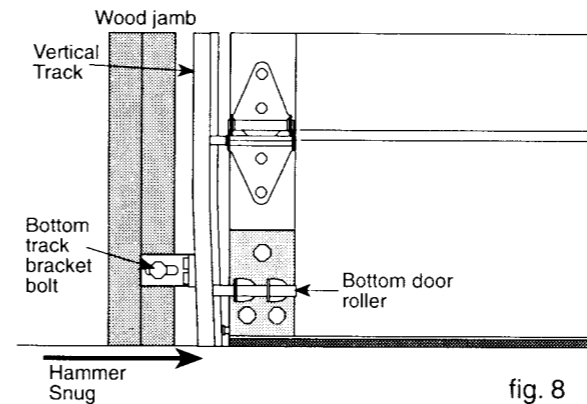


fig. 8

NOTE: Track should always slant inward at bottom."

● **STEP 3B: CHECK OPEN POSITION ALIGNMENT**

Open door and block the track below bottom roller, with "C" clamp or channel lock pliers as in (fig. 4). Stand back and observe spacing between track edge and door all along track. If track is spread out at end; then slightly loosen the related support bracket bolts and hammer into parallel alignment.

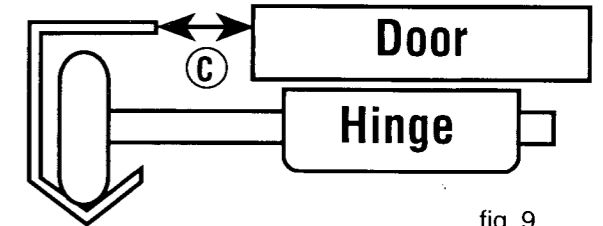


fig. 9

Measurement distance "C" between track and door; is usually between 1-1/2" to 2-1/2." This should be the same on each side and at any point along door track, except bottom (fig. 8). Make all necessary adjustments to obtain consistent spacing along door path.

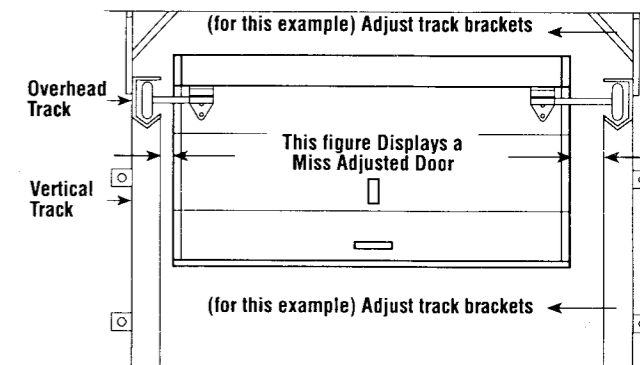


fig. 10