

## Overview

This motor kit is for use with DC garage door openers that utilize electronic controls to set the open (UP) and close (DOWN) travel. The images are for reference and your product may look different.

## Installation

1. Close the garage door.
2. Disconnect all electrical and battery power to the garage door opener.
3. Place an open-end wrench on the square end of the spring nut, loosen nut to release the belt tension (Figure 1).
4. Remove light lens by gently pressing on the upper corners of the lens to disengage tabs.
5. Remove the 6 cover screws (Figure 2).
6. Remove the cover.
7. Remove the belt cap retainer on top of opener by removing the three screws that secure it (Figure 3). Remove the belt from the sprocket. Position the trolley at the center of the rail.
8. Use screwdriver to remove C-clip from motor shaft. Then slide the sprocket off motor shaft (Figure 3).
9. Disconnect motor wire harness from logic board. Disconnect travel module wire harness from travel module.
10. Remove the motor by loosening the three bolts and washers on the top of the opener (Figure 3).
11. Reverse steps 4 through 10 to reassemble. When reconnecting the wire harness, be sure the tabs on the wire harness are facing the end panel, not the logic board (Figure 4).
12. Reset the belt tension by tightening the spring nut by hand. Place an open-end wrench on the square end of the spring nut and tighten clockwise until spring is compressed to 1-1/4" (3.18 cm). This sets the spring to optimum tension. Belt may slip off sprocket if belt is too loose. If belt does slip, reset belt and re-tighten spring nut by turning nut clockwise an additional 1/2 turn. *Do NOT over tighten belt* (Figure 5).
13. Reconnect power to the garage door opener.

*Proceed to Adjustment*

**For more information:**  
**[www.devancocanada.com](http://www.devancocanada.com)**  
**or call toll free at 855-931-3334**

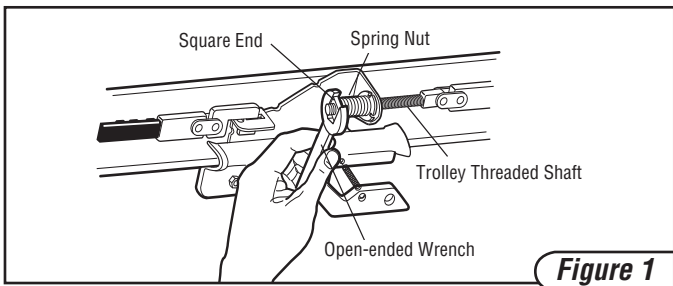
### **WARNING**

To prevent possible **SERIOUS INJURY** or **DEATH**:

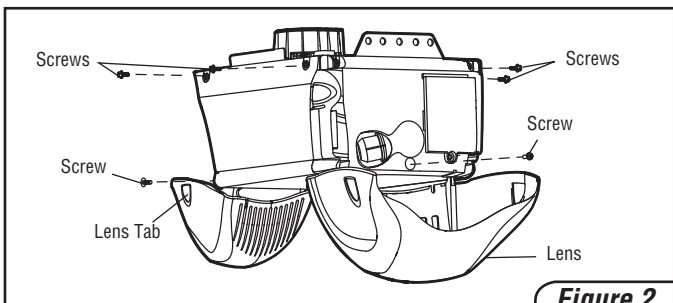
- Disconnect **ALL** electric and battery power **BEFORE** performing **ANY** service or maintenance.

### **CAUTION**

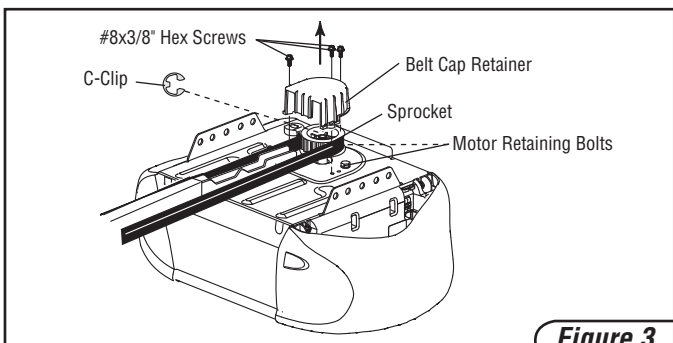
The garage door **MUST** be in fully closed position during installation.



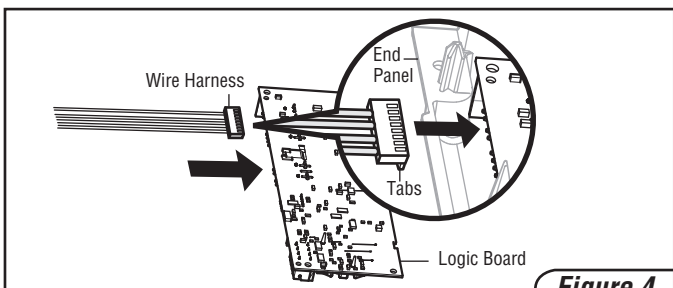
**Figure 1**



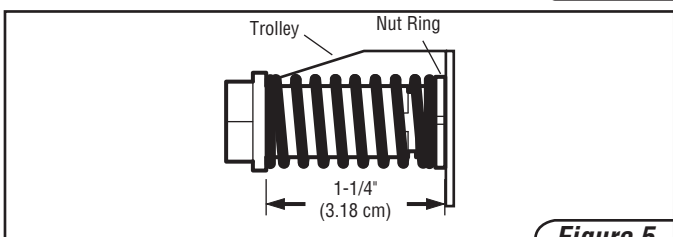
**Figure 2**



**Figure 3**



**Figure 4**



**Figure 5**

# Adjustment

## **WARNING**

Without a properly installed safety reversal system, persons (particularly small children) could be **SERIOUSLY INJURED** or **KILLED** by a closing garage door.

- Incorrect adjustment of garage door travel limits will interfere with proper operation of safety reversal system.
- **NEVER** use force adjustments to compensate for a binding or sticking garage door.
- After **ANY** adjustments are made, the safety reversal system **MUST** be tested. Door **MUST** reverse on contact with 1-1/2" (3.8 cm) high object (or 2x4 laid flat) on floor.

## **CAUTION**

To prevent damage to vehicles, be sure fully open door provides adequate clearance.

### **Program the Travel Limits**

*Travel limits regulate the points at which the door will stop when moving up or down.*

Adjust the position of the door by using the black and purple buttons. Black moves the door UP (open) and purple moves the door DOWN (close).

#### **Setting the UP position:**

1. Press and hold the black button until the LED starts flashing slowly, then release.
2. Push and hold the black button until the door reaches the desired UP (open) position.

**NOTE:** Make sure the door opens high enough for your vehicle.

3. Push the door control or programmed remote control. This sets the UP (open) limit and begins closing the door.
4. Immediately when the door begins to close, press and release either the black or purple button. This will stop the door.

#### **Setting the DOWN position:**

5. Push and hold the purple button until the door reaches the desired DOWN (closed) position.
6. Once the door is closed, if there appears to be too much pressure on the door, you may toggle the door back and forth using the black and purple buttons to reach the desired closed position.
7. Push the door control or programmed remote control. This sets the DOWN (close) limit and the door should open.

*Proceed to Set the Force.*

### **Set the Force**

*The force setting measures the amount of force required to open and close the door.*

1. Push the purple button twice to enter into the Force Adjustment Mode. The LED will flash quickly.
2. Push the door control or programmed remote control. The door will close (DOWN).
3. Push the door control or programmed remote control again. The door will open (UP).
4. Push the door control or programmed remote control a third time to close the door (DOWN).

The LED will stop flashing when the force has been programmed.

The door must travel through a complete cycle, up and down, in order for the force to be set properly. If the garage door opener cannot open and close the door fully, inspect the door to ensure that it is balanced properly and is not sticking or binding.

If the door is not stopping exactly where you would like it, repeat Program the Travel Limits.

### **Test the Safety Reversal System**

## **WARNING**

Without a properly installed safety reversal system, persons (particularly small children) could be **SERIOUSLY INJURED** or **KILLED** by a closing garage door.

- Safety reversal system **MUST** be tested every month.
- After **ANY** adjustments are made, the safety reversal system **MUST** be tested. Door **MUST** reverse on contact with 1-1/2" high (3.8 cm) object (or 2x4 laid flat) on the floor.

#### **TEST**

1. With the door fully open, place a 1-1/2" (3.8 cm) board (or a 2x4 laid flat) on the floor, centered under the garage door.
2. Operate the door in the down direction. The door must reverse on striking the obstruction.

#### **ADJUST**

- If the door stops on the obstruction, it is not traveling far enough in the down direction. Complete Adjustment Steps 1 and 2 Program the Travel Limits and Set the Force.

**NOTE:** On a sectional door, make sure limit adjustments do not force the door arm beyond a straight up and down position.

- Repeat the test.
- When the door reverses on the 1-1/2" (3.8 cm) board (or 2x4 laid flat), remove the obstruction and run the opener through 3 or 4 complete travel cycles to test adjustment.
- If the unit continues to fail the Safety Reverse Test, call for a trained door systems technician.

***HOW TO ORDER  
REPAIR PARTS***

**DEVANCO CANADA**

19192 HAY ROAD, UNIT Q  
SUMMERSTOWN, ON K0C 2E0

TOLL FREE: 855-931-3334

[www.devancocanada.com](http://www.devancocanada.com)

**WHEN ORDERING REPAIR PARTS  
PLEASE SUPPLY THE  
FOLLOWING INFORMATION:**

- ✓ PART NUMBER
- ✓ DESCRIPTION
- ✓ MODEL NUMBER