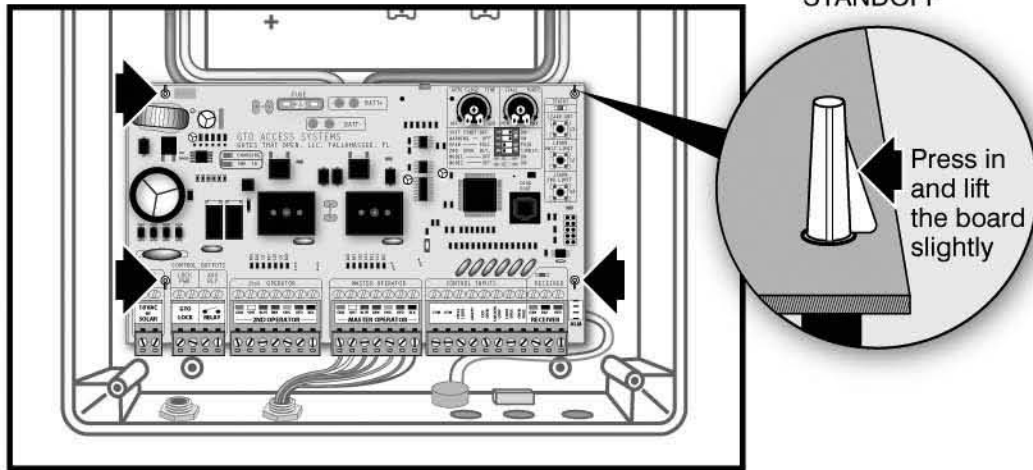


R4211 REPLACEMENT BOARD

A. Remove Old Board.



B. Replace with New Board.

1. Unplug the **TRANSFORMER**.
(if applicable)

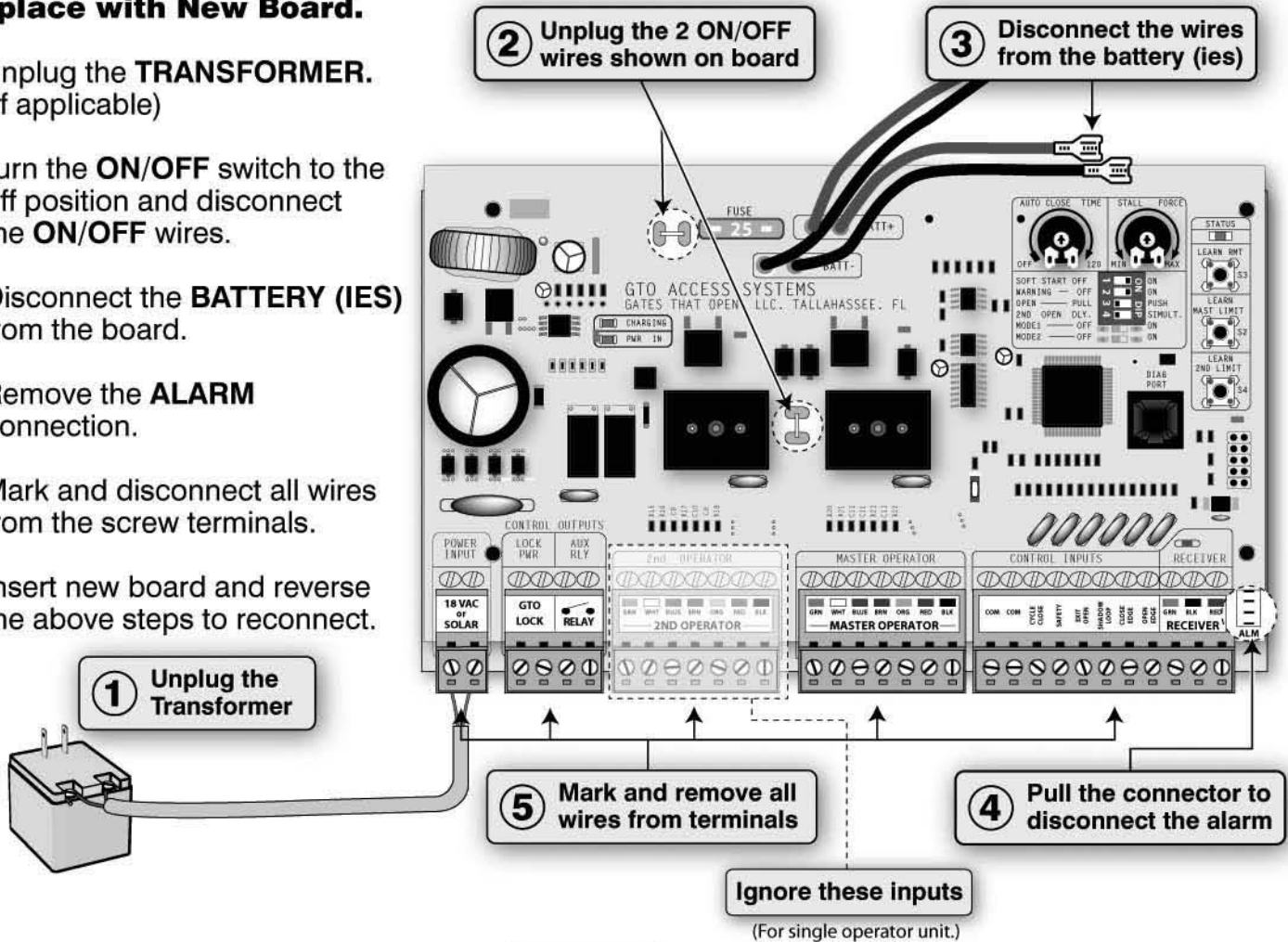
2. Turn the **ON/OFF** switch to the off position and disconnect the **ON/OFF** wires.

3. Disconnect the **BATTERY (IES)** from the board.

4. Remove the **ALARM** connection.

5. Mark and disconnect all wires from the screw terminals.

6. Insert new board and reverse the above steps to reconnect.



For more information on the GTO/ACCESS SYSTEMS full line of automatic gate operators and access controls visit our website at www.gtoaccess.com.

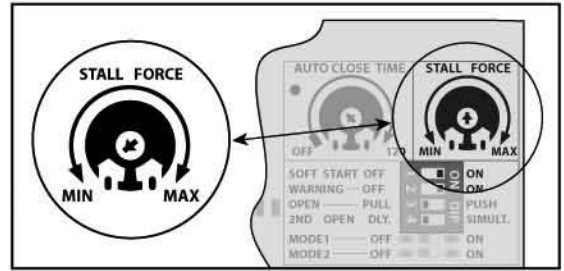
SINGLE OPERATOR SECTION

Go to page 4 for Dual Operator Instructions.

A. Adjust Stall Force

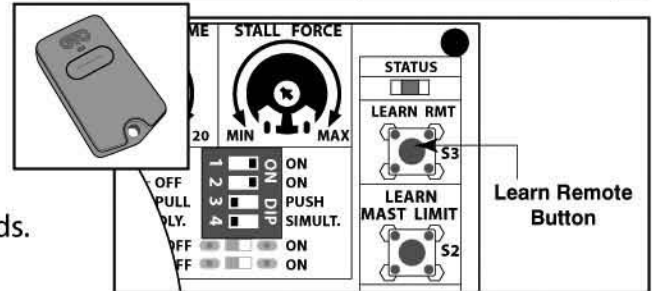
NOTE: Adjust all potentiometers by using a small flat blade screwdriver.

The Stall Force potentiometer on the control board controls the obstruction sensitivity (or the amount of force the operator will apply to an obstruction for two (2) seconds before it automatically stops and reverses direction).



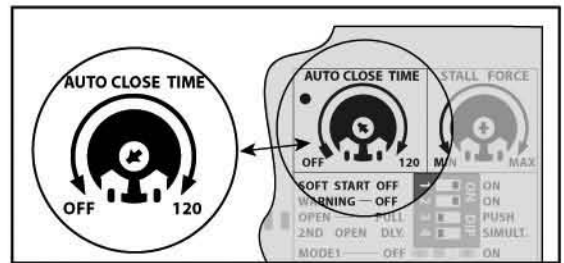
B. Learn Transmitter

1. Turn unit on.
2. Press and hold transmitter button.
3. Press and hold the LEARN RMT (Learn Remote) button on the control board for 5 seconds or until buzzer sounds.
4. Release transmitter button. The new code is stored in control board memory.
5. Release the LEARN RMT (Learn Remote) button.



C. Set Auto Close Time

The Auto-Close Time potentiometer controls the Auto-Close feature, and determines how long the gate will remain open (at the fully open position) before it begins to close. The settings for this feature are OFF, or from 3 to 120 seconds.



D. DIP Switch Settings (MODES)

DIP Switch #1: Soft Start/Stop

- ON** – Soft start enabled (factory preset).
- OFF** – Soft start disabled.

The Soft Start/Stop feature slowly starts the gate as it begins to open and slows the gate as it comes to the closed position. This saves wear and tear on the gate and gate operator system.

DIP Switch #2: Warning Buzzer

- ON** – Buzzer warning enabled (factory preset).
- OFF** – Buzzer warning disabled.

The Warning Buzzer alerts you when the gate operator is beginning to either open or close the gate. It sounds for the first 2 seconds in each direction. It also sounds a warning when the gate obstructs two times in one cycle. Switching this to OFF only disables the open and close warning not the obstruction warning.

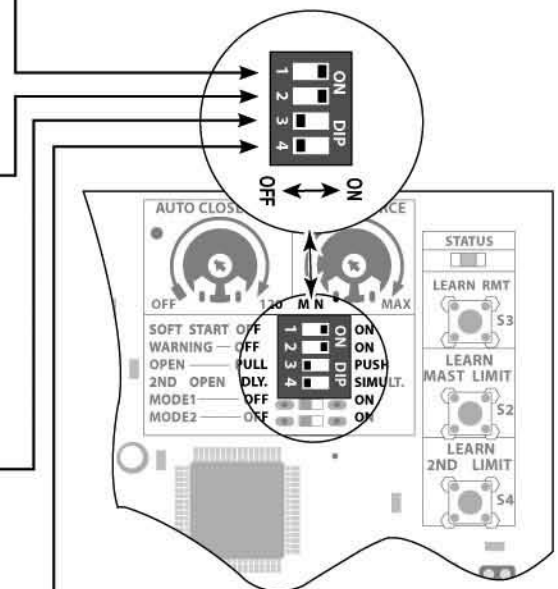
DIP Switch #3: Push/Pull-To-Open

- ON:** Push-To-Open.
- OFF:** Pull-To-Open (factory preset).

If your gate opens into the property the DIP Switch is set to the OFF position (factory setting). If your gate opens out from the property the DIP Switch must be set to the ON position. NOTE: if you have a Push-to-Open gate application you will need a Push-To-Open bracket.

DIP Switch #4: Dual Operation (Not applicable for single operator.)

- ON** – Second opens simultaneously with master.
- OFF** – Second opens after master (factory preset).

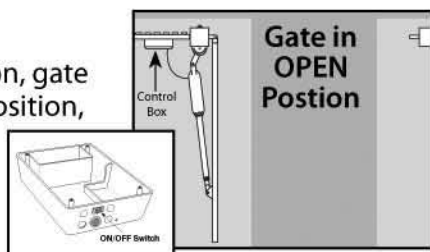


Go to E1 or E2 Depending on your Gate Installation

E1 - Setting CLOSED Position Limit (for Pull-To-Open Applications)

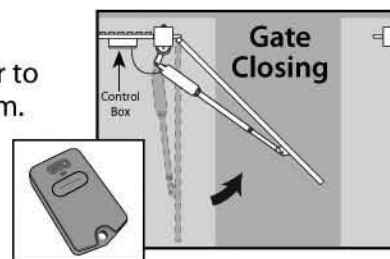
Step 1

Power switch is on, gate is in the **OPEN** position, operator arm fully retracted.



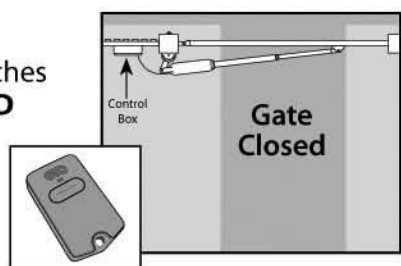
Step 2

Press the transmitter to activate operator arm. The gate will begin to **CLOSE**.



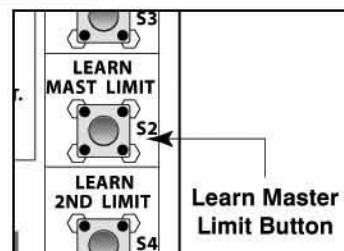
Step 3

When the gate reaches the desired **CLOSED** position, press the transmitter to stop the gate.



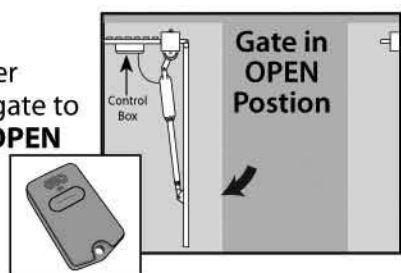
Step 4

With the gate at the correct position, program the closed limit setting by pressing and holding LEARN MAST LIMIT for 5 seconds.



Step 5

Press the transmitter again to allow the gate to return to the fully **OPEN** position.

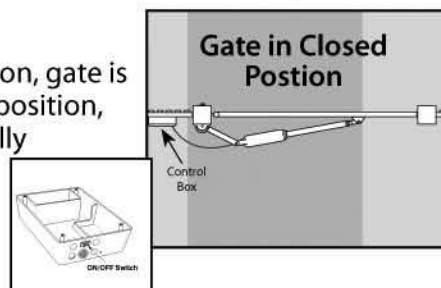


The gate closed position is now programmed. If you make a mistake and set the limit at the wrong position: press your transmitter to return the gate to the fully open position, then press and hold the LEARN MAST LIMIT for 5 seconds. This will clear the memory for the closed limit position. Repeat Steps 1-5.

E2 - Setting OPEN Position Limit (for Push-To-Open Applications)

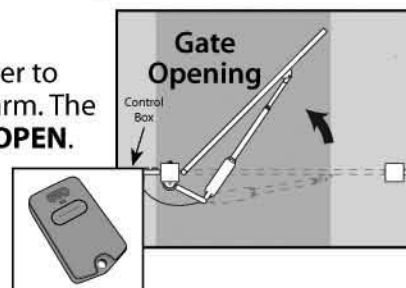
Step 1

Power switch is on, gate is in the **CLOSED** position, operator arm fully retracted.



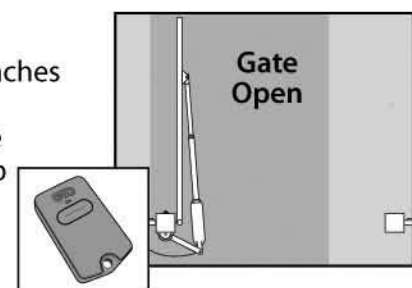
Step 2

Press the transmitter to activate operator arm. The gate will begin to **OPEN**.



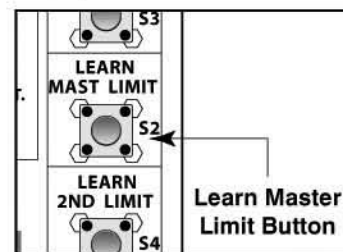
Step 3

When the gate reaches the desired **OPEN** position, press the transmitter to stop the gate.



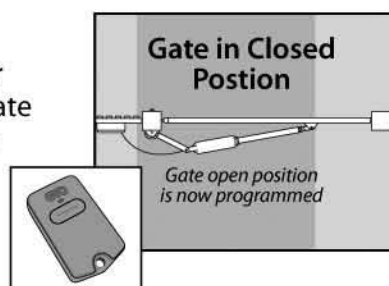
Step 4

With the master gate at the correct position, program the open limit setting by pressing and holding LEARN MAST LIMIT for 5 seconds.



Step 5

Press the transmitter again to allow the gate to return to the fully **CLOSED** position.



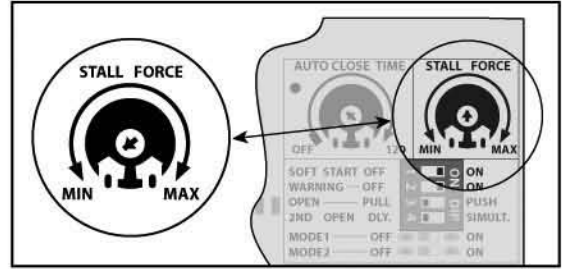
The gate open position is now programmed. If you make a mistake and set the limit at the wrong position: press your transmitter to return the gate to the fully closed position, then press and hold the LEARN MAST LIMIT for 5 seconds. This will clear the memory for the open limit position. Repeat Steps 1-5.

DUAL OPERATOR SECTION

A. Adjust Stall Force

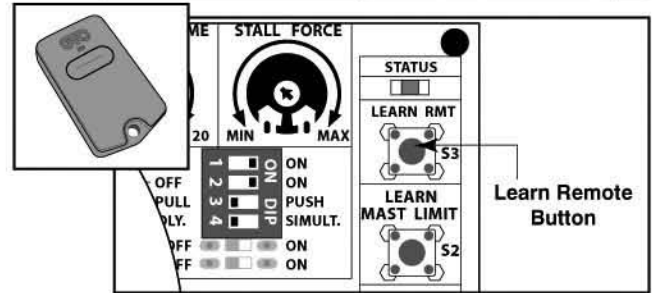
NOTE: Adjust all potentiometers by using a small flat blade screwdriver.

The Stall Force potentiometer on the control board controls the obstruction sensitivity (or the amount of force the operator will apply to an obstruction for two (2) seconds before it automatically stops and reverses direction).



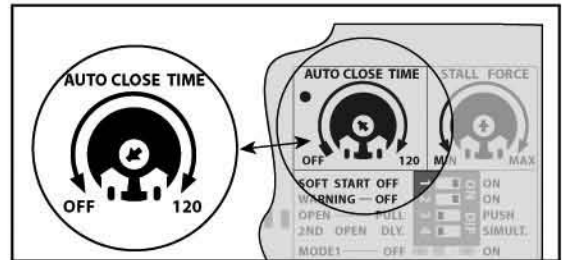
B. Learn Transmitter

1. Turn unit on.
2. Press and hold transmitter button.
3. Press and hold the LEARN RMT (Learn Remote) button on the control board for 5 seconds or until buzzer sounds.
4. Release transmitter button. The new code is stored in control board memory.
5. Release the LEARN RMT (Learn Remote) button.



C. Set Auto Close Time

The Auto-Close Time potentiometer controls the Auto-Close feature, and determines how long the gate will remain open (at the fully open position) before it begins to close. The settings for this feature are OFF, or from 3 to 120 seconds.



D. DIP Switch Settings (MODES)

DIP Switch #1: Soft Start/Stop

- ON** – Soft start enabled (factory preset).
- OFF** – Soft start disabled.

The Soft Start/Stop feature slowly starts the gate as it begins to open and slows the gate as it comes to the closed position. This saves wear and tear on the gate and gate operator system.

DIP Switch #2: Warning Buzzer

- ON** – Buzzer warning enabled (factory preset).
- OFF** – Buzzer warning disabled.

The Warning Buzzer alerts you when the gate operator is beginning to either open or close the gate. It sounds for the first 2 seconds in each direction. It also sounds a warning when the gate obstructs two times in one cycle. Switching this to OFF only disables the open and close warning not the obstruction warning.

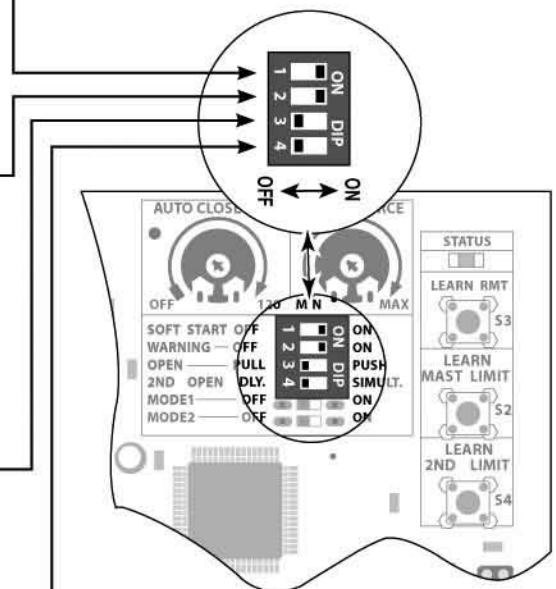
DIP Switch #3: Push/Pull-To-Open

- ON:** Push-To-Open.
- OFF:** Pull-To-Open (factory preset).

If your gate opens into the property the DIP Switch is set to the OFF position (factory setting). If your gate opens out from the property the DIP Switch must be set to the ON position. NOTE: if you have a Push-to-Open gate application you will need a Push-To-Open bracket.

DIP Switch #4: Dual Operation (Not applicable for single operator.)

- ON** – Second opens simultaneously with master.
- OFF** – Second opens after master (factory preset).



Go to E1 or E2 Depending on your Gate Installation

E1. Setting CLOSED Position Limit (for Pull-To-Open Applications)

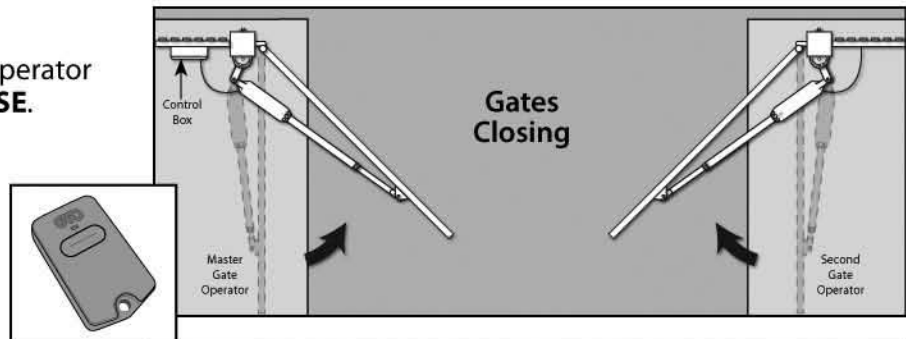
Step 1

Power switch is on, gates are in the **OPEN** position, operator arms fully retracted.



Step 2

Press the transmitter to activate operator arms. The gates will begin to **CLOSE**.

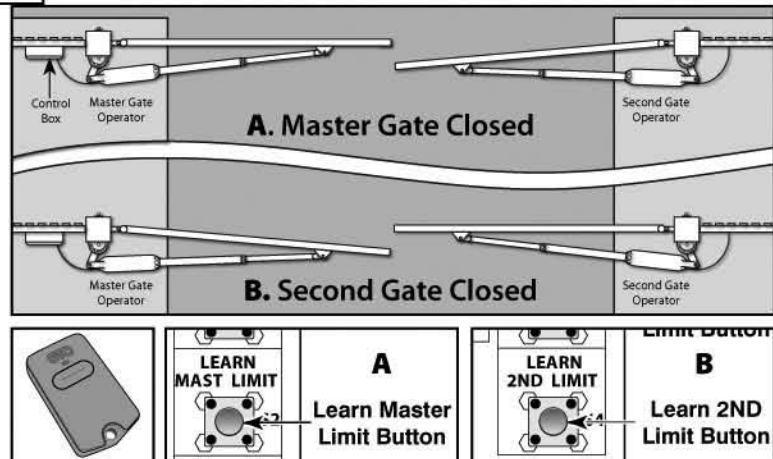


Step 3

When either gate reaches **CLOSED** position, press transmitter to stop the gates.

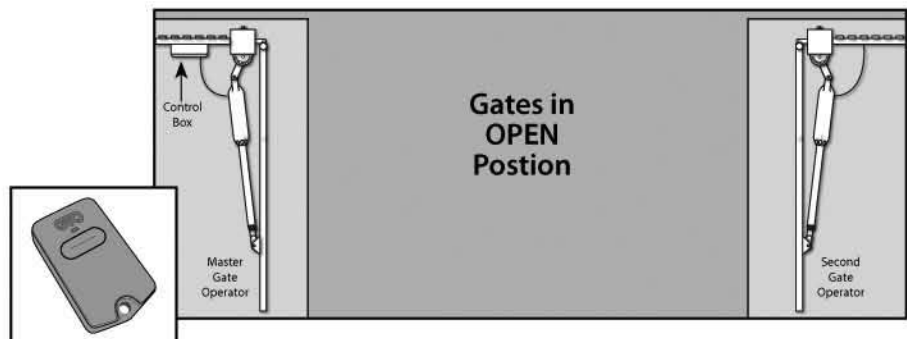
A. If the master gate reaches closed position first - press and hold LEARN MAST LIMIT for 5 seconds, or until buzzer sounds to set closed position.

B. If the second gate reaches closed position first - press and hold LEARN 2ND LIMIT for 5 seconds, or until buzzer sounds to set closed position.



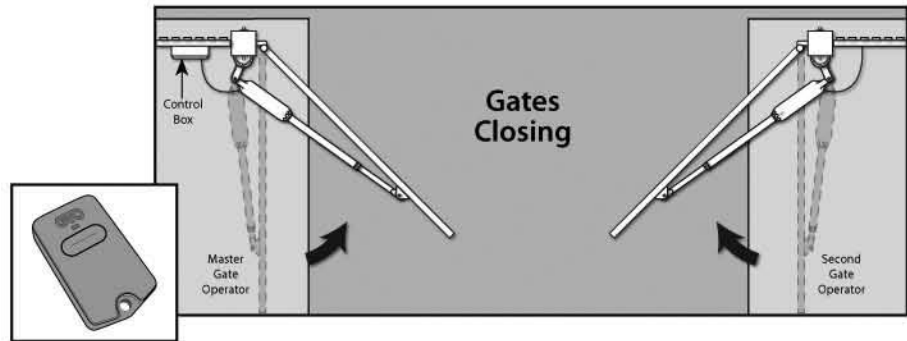
Step 4

Press the transmitter to open the gates. Gates will **OPEN** fully. The gate in step 3A or 3B is now programmed.



Step 5

Press the transmitter to activate operator arms. The gates will begin to **CLOSE**.



Step 6

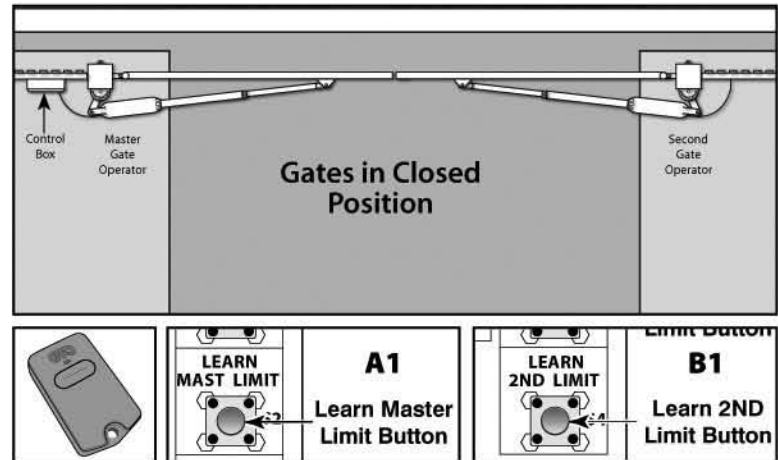
The gate that was programmed in step 4 will stop on its own. Press the transmitter again to stop the other gate when it reaches the desired **CLOSED** limit.

A1. Master gate reaches closed position - press and hold LEARN MAST LIMIT for 5 seconds, or until buzzer sounds to set closed position.

(Master gate is now programmed)

B1. 2nd gate reaches closed position - press and hold LEARN 2ND LIMIT for 5 seconds, or until buzzer sounds to set closed position.

(Second gate is now programmed)

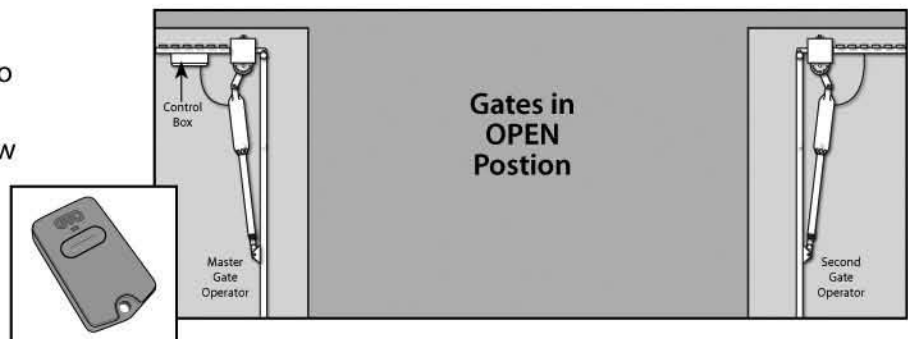


Step 7

Press the transmitter once again to **OPEN** gates.

Both gates closed position are now programmed.

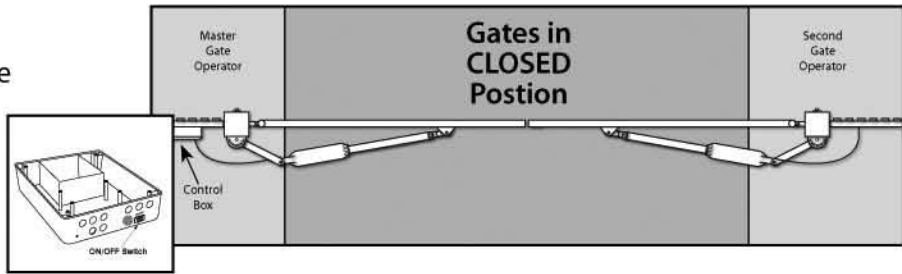
If you make a mistake and set the limit at the wrong position: press your transmitter to return the gate to the fully opened position, then press and hold the LEARN MAST LIMIT and/or the LEARN 2ND LIMIT button for 5 seconds. This will clear the memory for the closed limit position. Repeat Steps 1-6.



E2. Setting OPEN Position Limit (for Push-To-Open Applications)

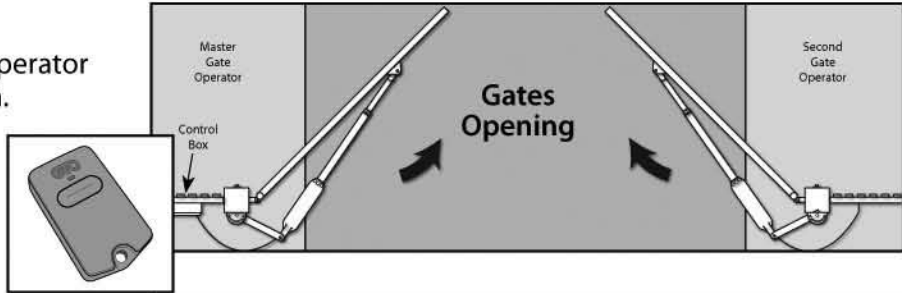
Step 1

Power switch is on, gates are in the **CLOSED** position, operator arms fully retracted.



Step 2

Press the transmitter to activate operator arms. The gates will begin to open.

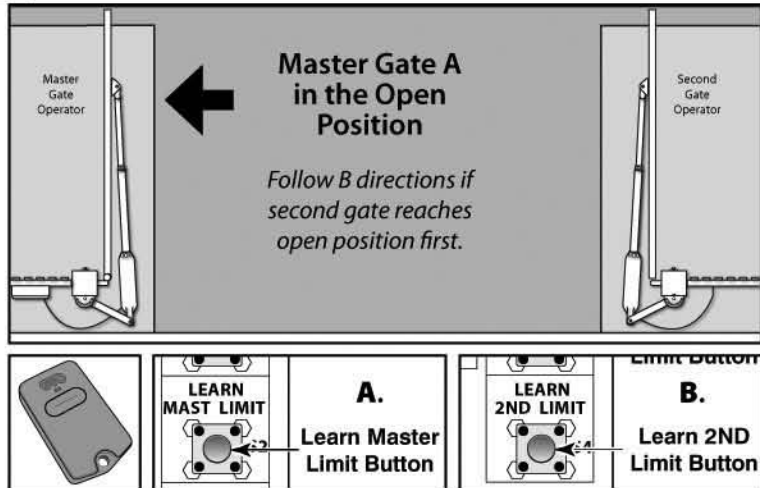


Step 3

When either gate reaches **OPEN** position, press transmitter to stop the gates.

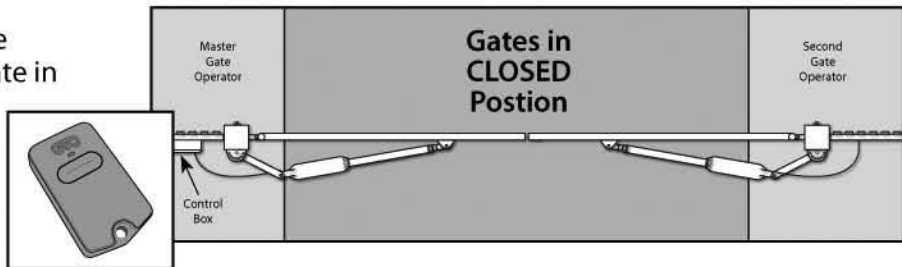
A. If the **master gate** reaches open position first - press and hold **LEARN MAST LIMIT** for 5 seconds, or until buzzer sounds to set open position.

B. If the **second gate** reaches open position first - press and hold **LEARN 2ND LIMIT** for 5 seconds, or until buzzer sounds to set open position.



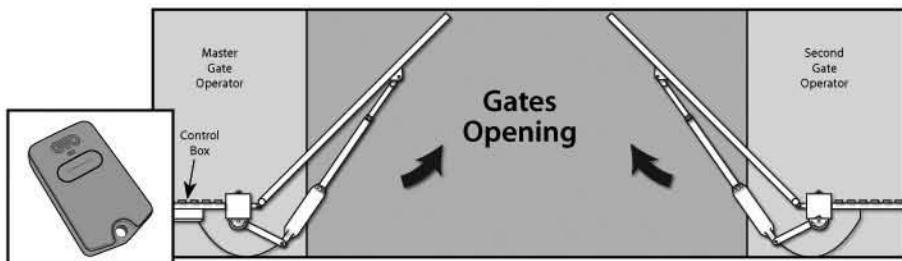
Step 4

Press the transmitter to **CLOSE** the gates. Gates will close fully. The gate in Step 3A or 3B is now programmed.



Step 5

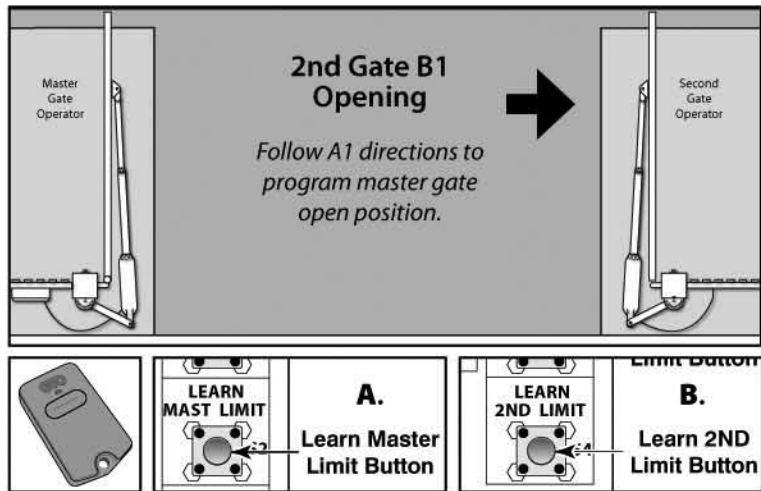
Press the transmitter to activate operator arms. The gates will begin to **OPEN**.



Step 6

The gate that was programmed in step 4 will stop on its own. Press the transmitter again to stop the other gate when it reaches the desired **OPEN** limit.

- A1.** Master gate reaches open position - press and hold LEARN MAST LIMIT for 5 seconds, or until buzzer sounds to set open position. (Master gate is now programmed)
- B1.** 2nd gate reaches open position - press and hold LEARN 2ND LIMIT for 5 seconds, or until buzzer beeps to set open position. (Second gate is now programmed)



Step 7

Press the transmitter once again to close gates. Both gates open position are now programmed.

If you make a mistake and set the limit at the wrong position: press your transmitter to return the gates to the fully closed position, then press and hold the LEARN MAST LIMIT and/or the LEARN 2ND LIMIT button for 5 seconds. This will clear the memory for the open limit position. Repeat Steps 1-6.



24/7 Troubleshooting Wizard: <http://support.gtoinc.com>



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