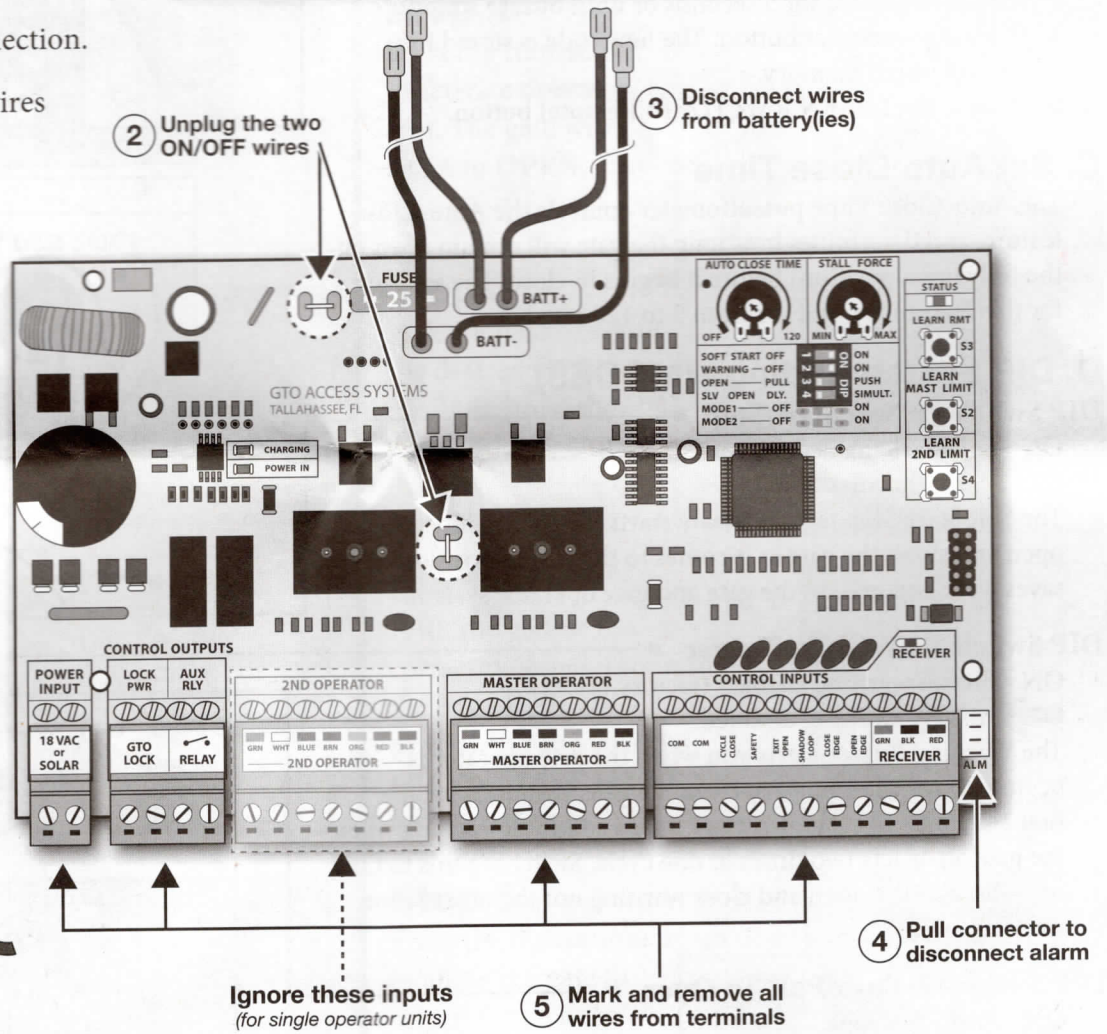
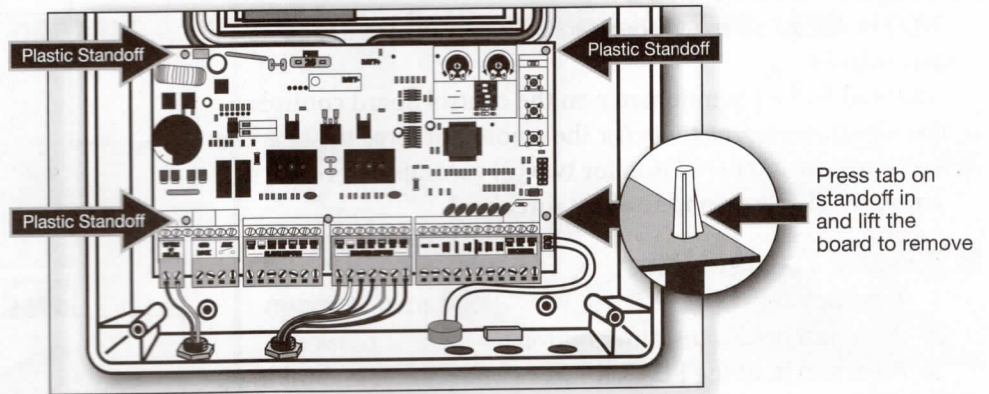


R4211 REPLACEMENT BOARD

Remove Old 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.



Replace with New Board

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

For more information on the GTO ACCESS SYSTEMS, LLC 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.

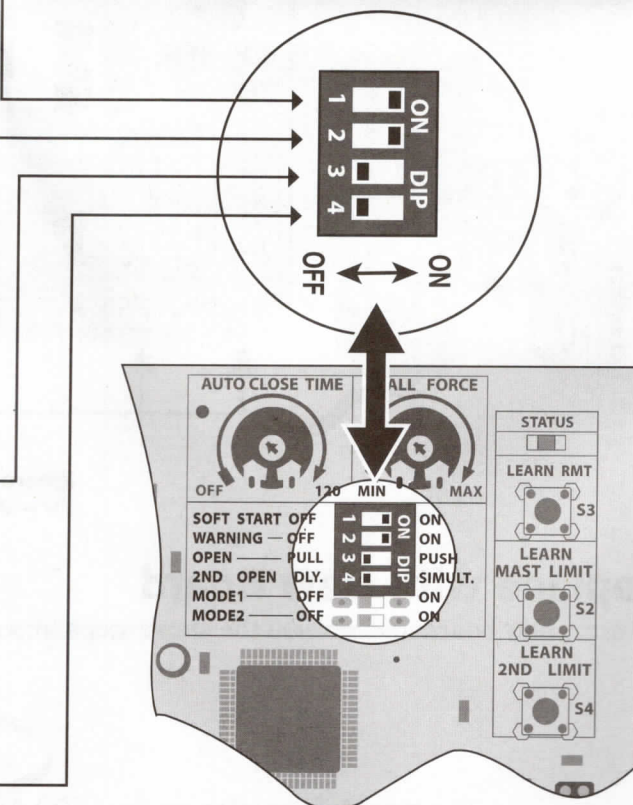
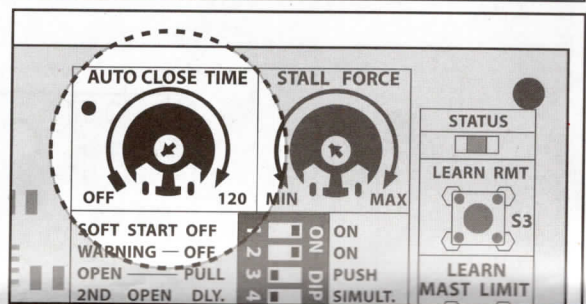
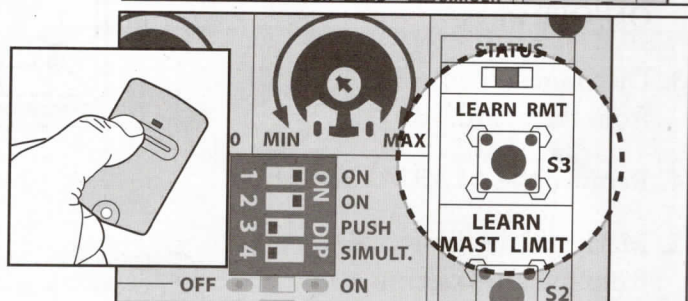
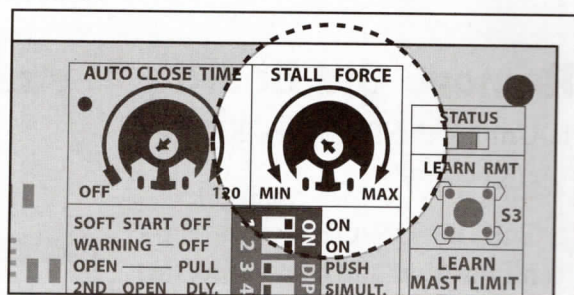
DIP Switch #3: Push/Pull-To-Open

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

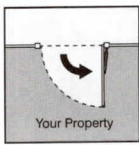
If your gate opens into the property the DIP Switch is set to the OFF position (factory setting). If your gate opens out from the property the DIP Switch must be set to the ON position. **NOTE:** if you have a Push-to- Open gate application you will need a Push-To-Open bracket.

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

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



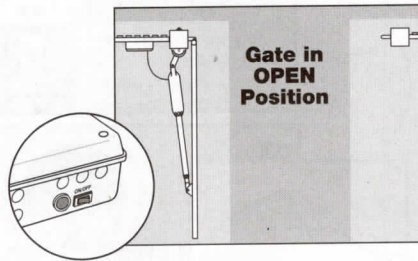
SETTING SINGLE GATE LIMITS



Pull-To-Open Application Setting CLOSED Position Limit

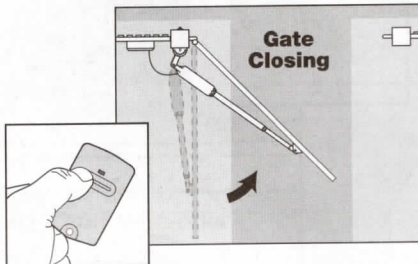
Step 1

Make sure the power switch is on, gate is in the **OPEN** position, and operator arm is fully retracted.



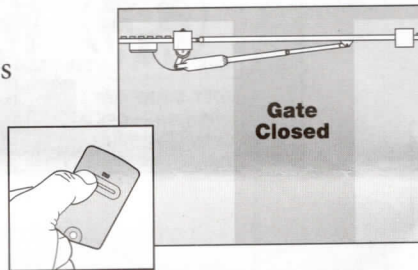
Step 2

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



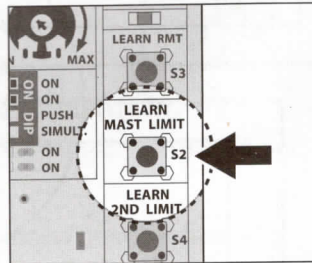
Step 3

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



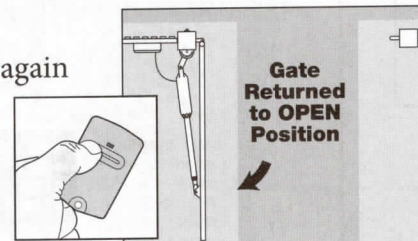
Step 4

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

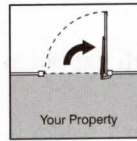


Step 5

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



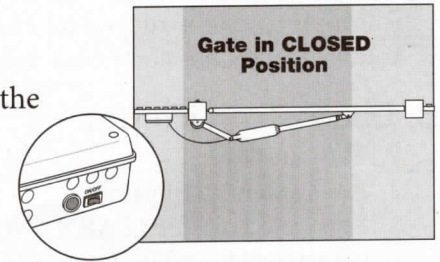
The gate closed position is now programmed. If you make a mistake and set the limit at the wrong position: press your transmitter to return the gate to the fully open position, then press and hold the **LEARN MAST LIMIT** button for 5 seconds. This will clear the memory for the closed limit position.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



Push-To-Open Applications Setting OPEN Position Limit

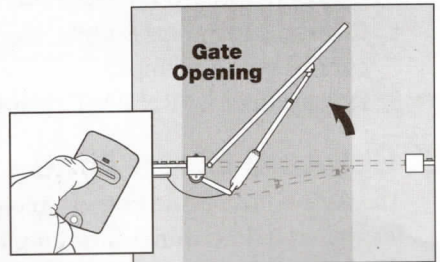
Step 1

Make sure the power switch is on, gate is in the **CLOSED** position, operator arm fully retracted.



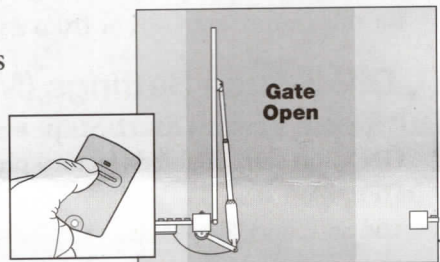
Step 2

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



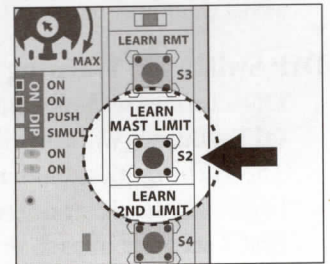
Step 3

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



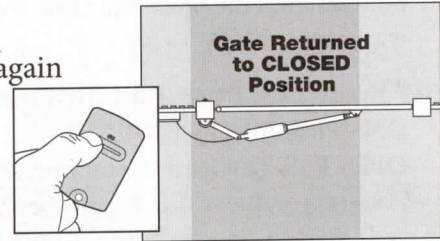
Step 4

With the 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 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** button for 5 seconds. This will clear the memory for the closed 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.

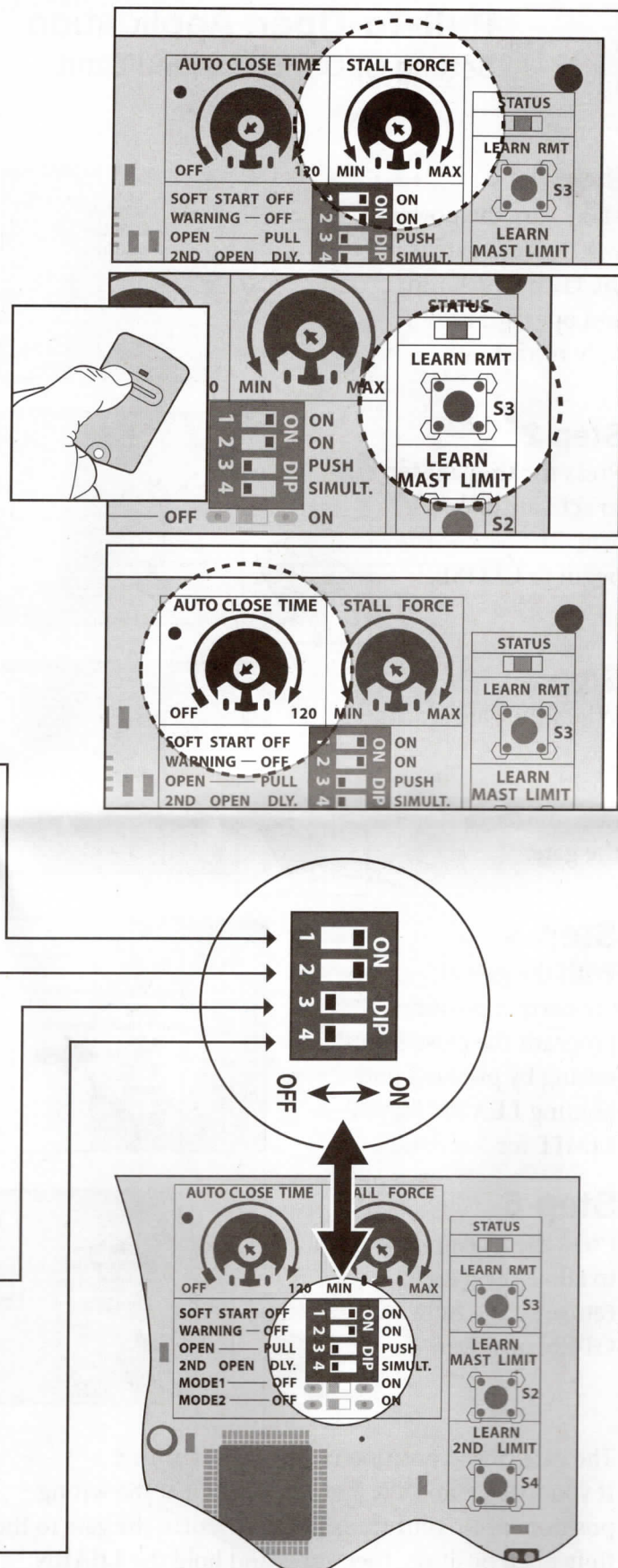
DIP Switch #3: Push/Pull-To-Open

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

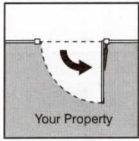
If your gate opens into the property the DIP Switch is set to the OFF position (factory setting). If your gate opens out from the property the DIP Switch must be set to the ON position. **NOTE:** if you have a Push-to- Open gate application you will need a Push-To-Open bracket.

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

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



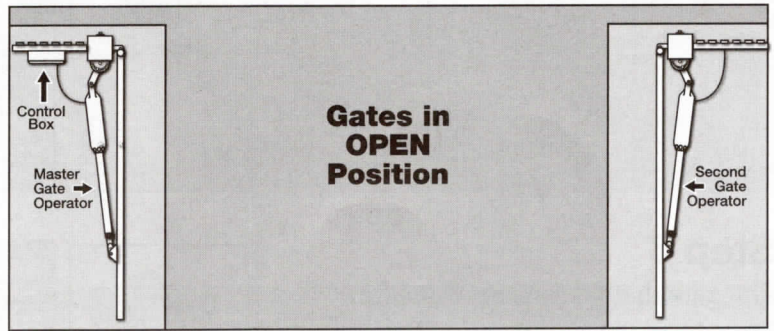
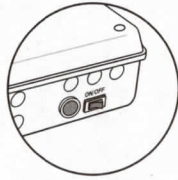
Setting PULL-TO-OPEN Dual Gate Limits



Pull-To-Open Application Setting CLOSED Position Limit

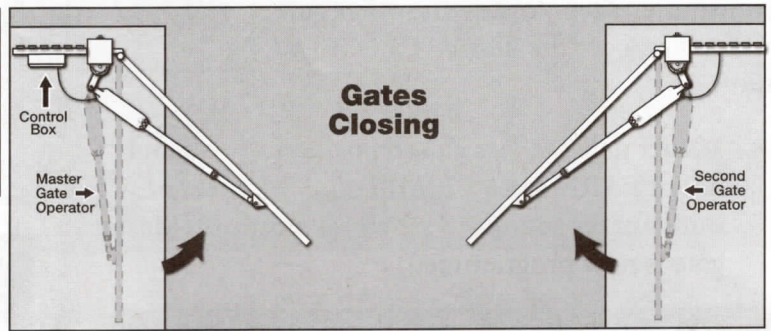
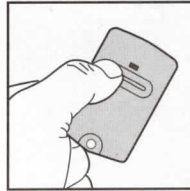
Step 1

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



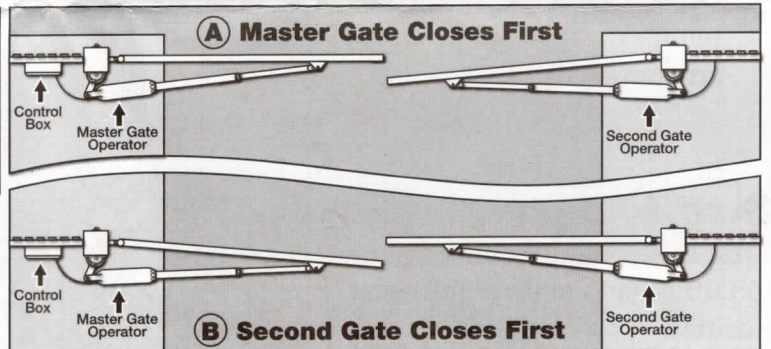
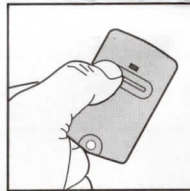
Step 2

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

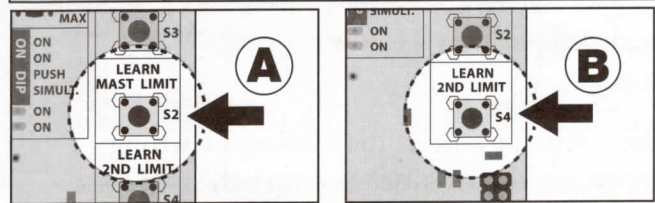


Step 3

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

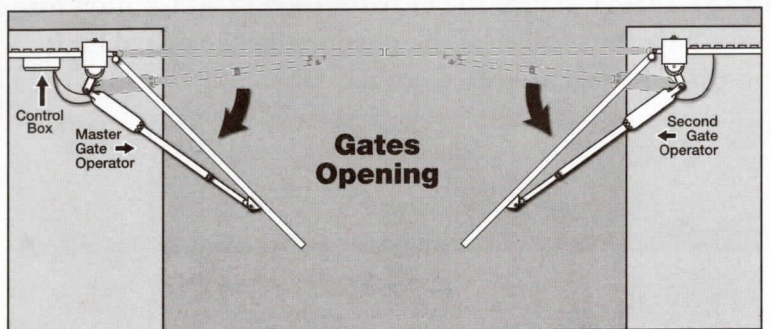
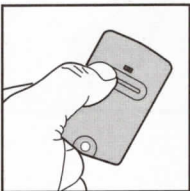


- A. If the master gate reaches closed position first – press and hold **LEARN MAST LIMIT** for 5 seconds, or until buzzer sounds to set closed position.
- B. If the second gate reaches closed position first – press and hold **LEARN 2ND LIMIT** for 5 seconds, or until buzzer sounds to set closed position.



Step 4

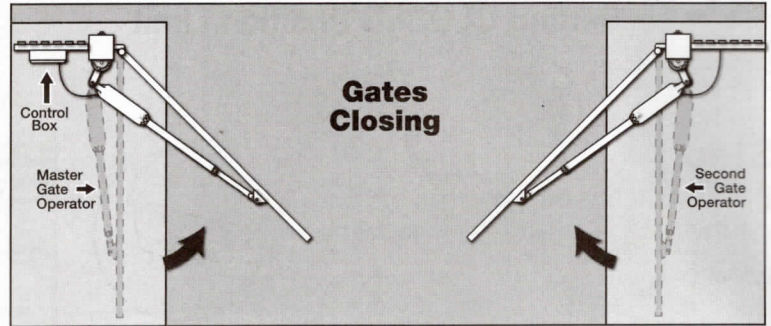
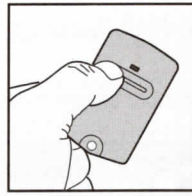
Press the transmitter to open the gates. Gates will **OPEN** fully. The gate in step 3A or 3B is now programmed.



Setting Pull-To-Open Dual Gate Limits continued...

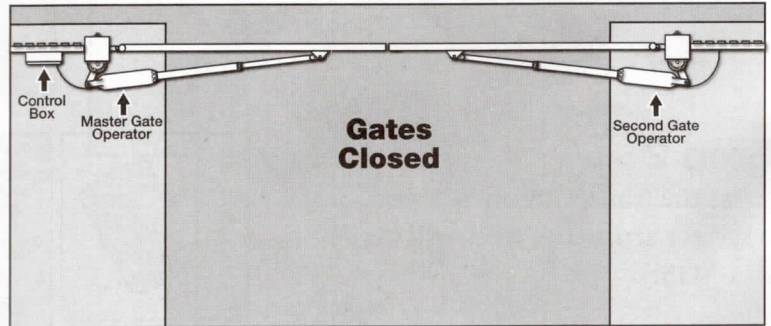
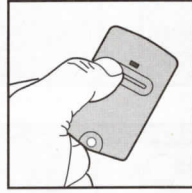
Step 5

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

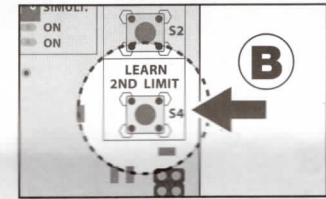
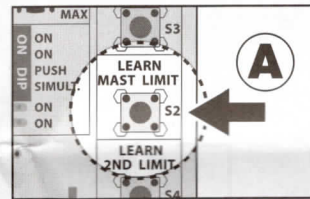


Step 6

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.

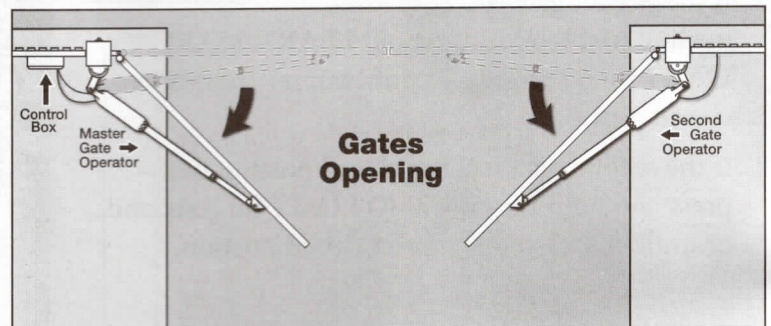
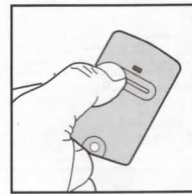


- A. Master gate reaches closed position - press and hold **LEARN MAST LIMIT** for 5 seconds, or until buzzer sounds to set closed position. (Master gate is now programmed)
- B. 2nd gate reaches closed position - press and hold **LEARN 2ND LIMIT** for 5 seconds, or until buzzer sounds to set closed position.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



Step 7

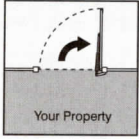
Press the transmitter once again to **OPEN** gates to their **full open position**.



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**.

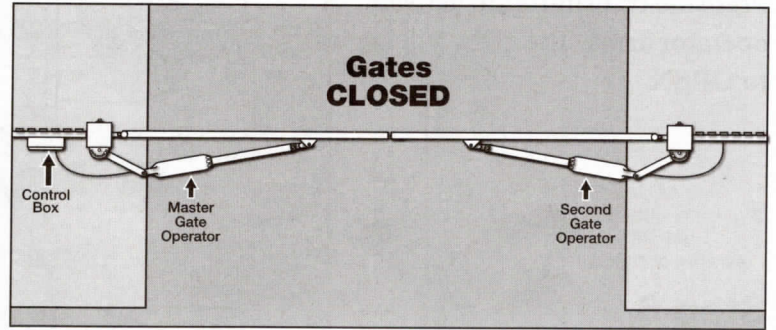
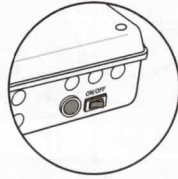
Setting PUSH-TO-OPEN Dual Gate Limits



Push-To-Open Applications Setting OPEN Position Limit

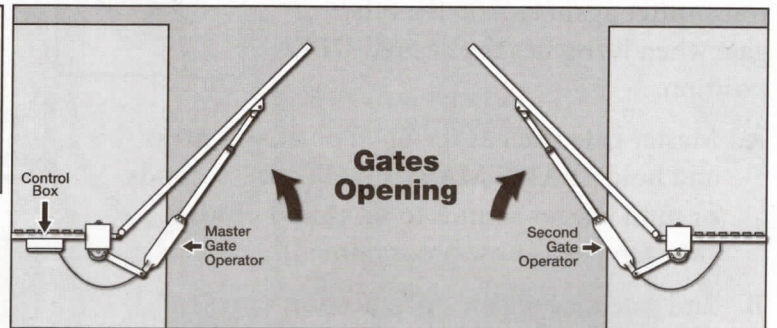
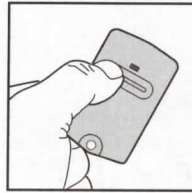
Step 1

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



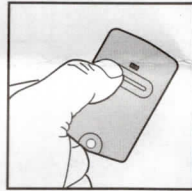
Step 2

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

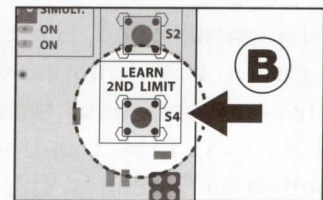
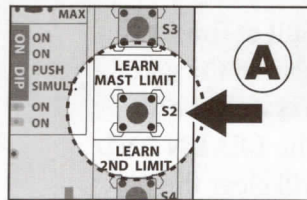


Step 3

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

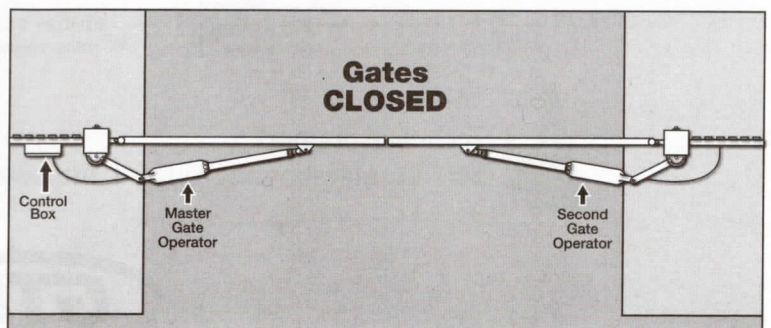
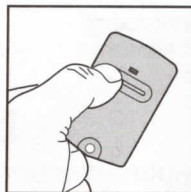


- A. If the master gate reaches the **OPEN** position first – press and hold **LEARN MAST LIMIT** for 5 seconds, or until buzzer sounds to set closed position.
- B. If the second gate reaches the **OPEN** position first – press and hold **LEARN 2ND LIMIT** for 5 seconds, or until buzzer sounds to set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



Step 4

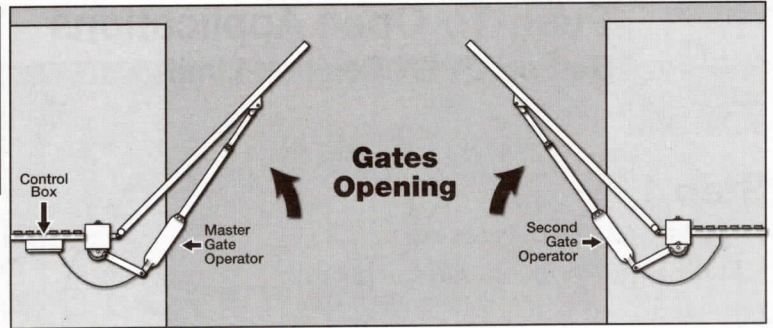
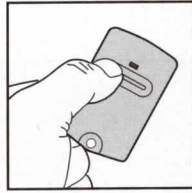
Press the transmitter to close the gates. Gates will **CLOSE** fully. The gate in Step 3A or 3B is now programmed.



Setting Push-To-Open Dual Gate Limits continued...

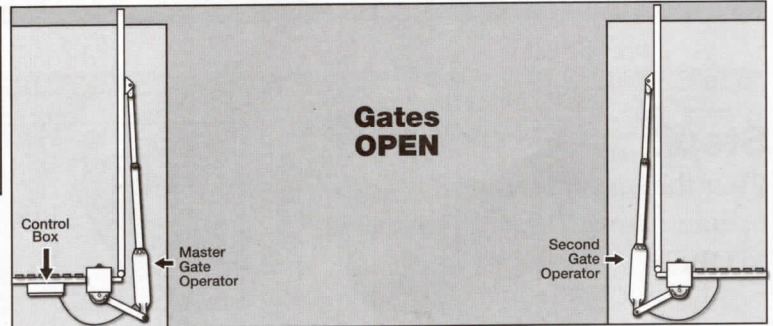
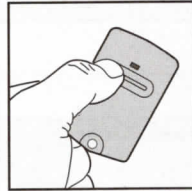
Step 5

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

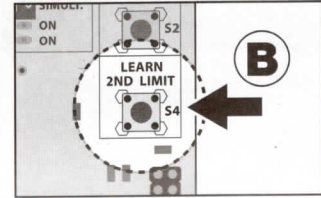
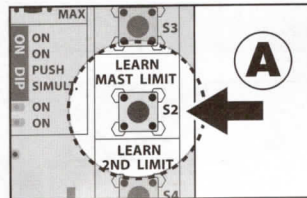


Step 6

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** position.

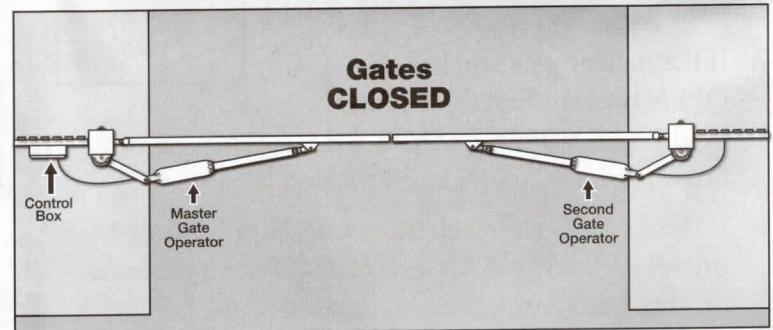
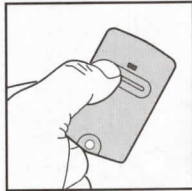


- A. Master gate reaches the open position - press and hold **LEARN MAST LIMIT** for 5 seconds, or until buzzer sounds to set closed position. (Master gate is now programmed)
- B. 2nd gate reaches the open position - press and hold **LEARN 2ND LIMIT** for 5 seconds, or until buzzer sounds to set closed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



Step 7

Press the transmitter once again to **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 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**.



Technical Support

24/7 Troubleshooting Wizard: <http://support.gtoinc.com> or 1-800-543-1236



3121 Hartsfield Road • Tallahassee, Florida, USA 32303
(850) 575-0176 • Fax (850) 575-8912

R4211 Replacement Control Board

1. Disconnect any wires (battery, power cable wiring, receiver, etc.) from old control board, then remove control board from control box.
2. Install the new control board. Make sure it snaps into place on the standoffs.
3. Follow the diagram below to connect new control board to battery harness.
4. Re-connect all wires previously connected to the old control board.

