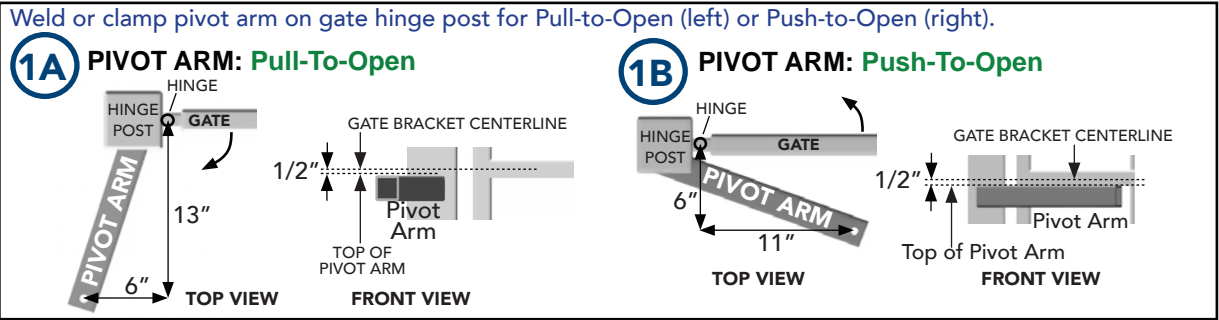


ACTUATOR AND CONTROL BOX INSTALLATION:

EXTREMELY IMPORTANT!
Read entire manual before attempting the installation. This is NOT a "do-it-yourself" project. Use a qualified contractor to install this system. Read all safety information!



CAUTION! Do NOT weld while control board is powered!

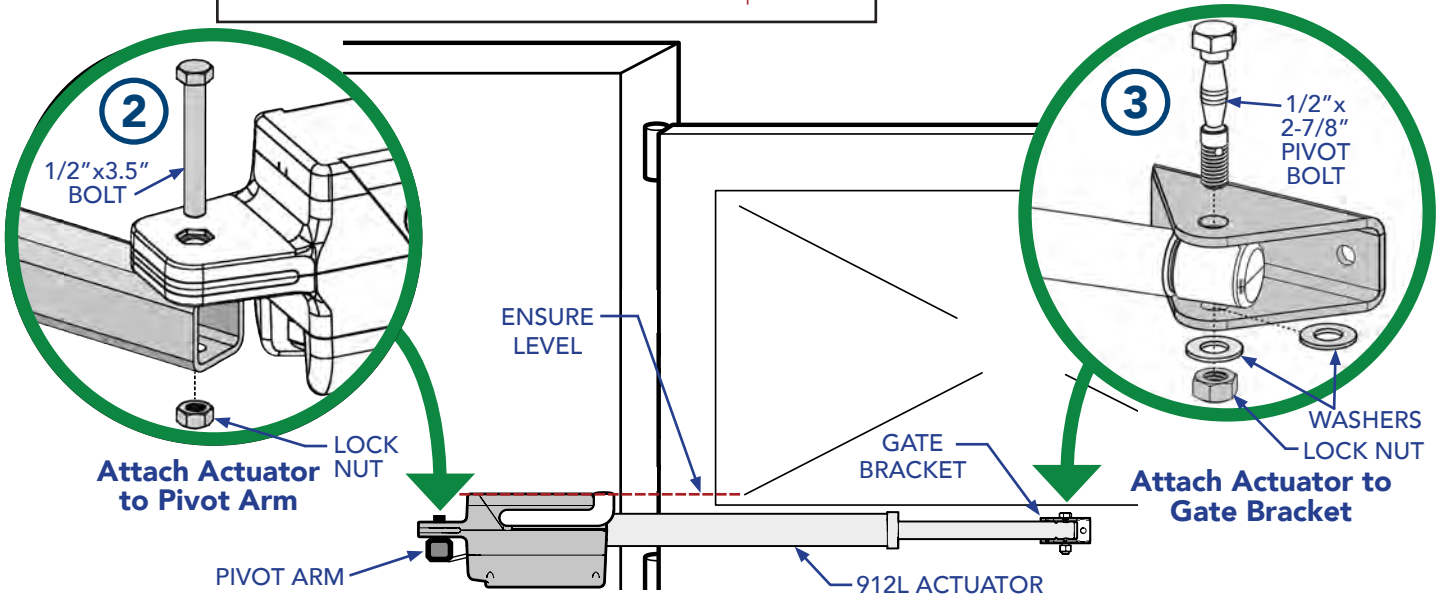
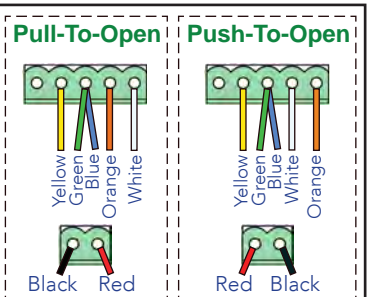
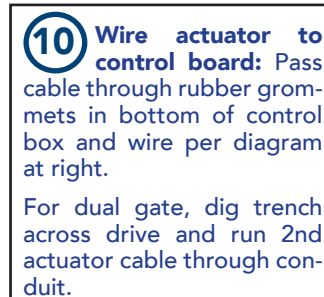
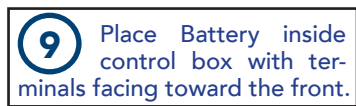
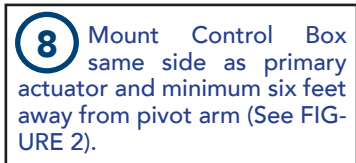
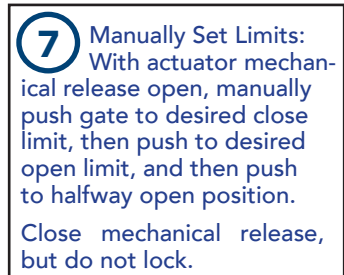
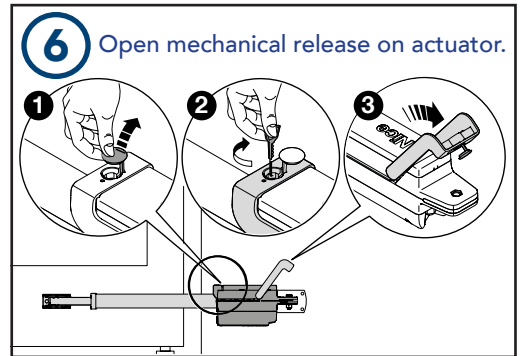
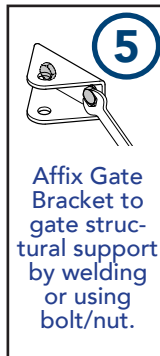
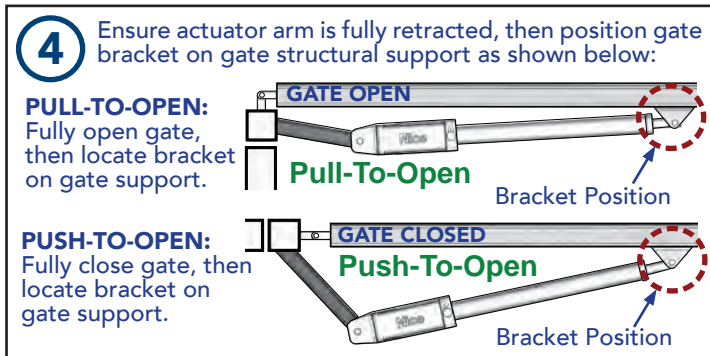


FIGURE 1: INSTALLATION OF ACTUATOR TO PIVOT ARM AND GATE BRACKET



CAUTION! Do not mount the control box where the person using the push button on box can come in contact with the gate!

NOTE: Dual gate: wire Motor 1 and Motor 2 the same way.

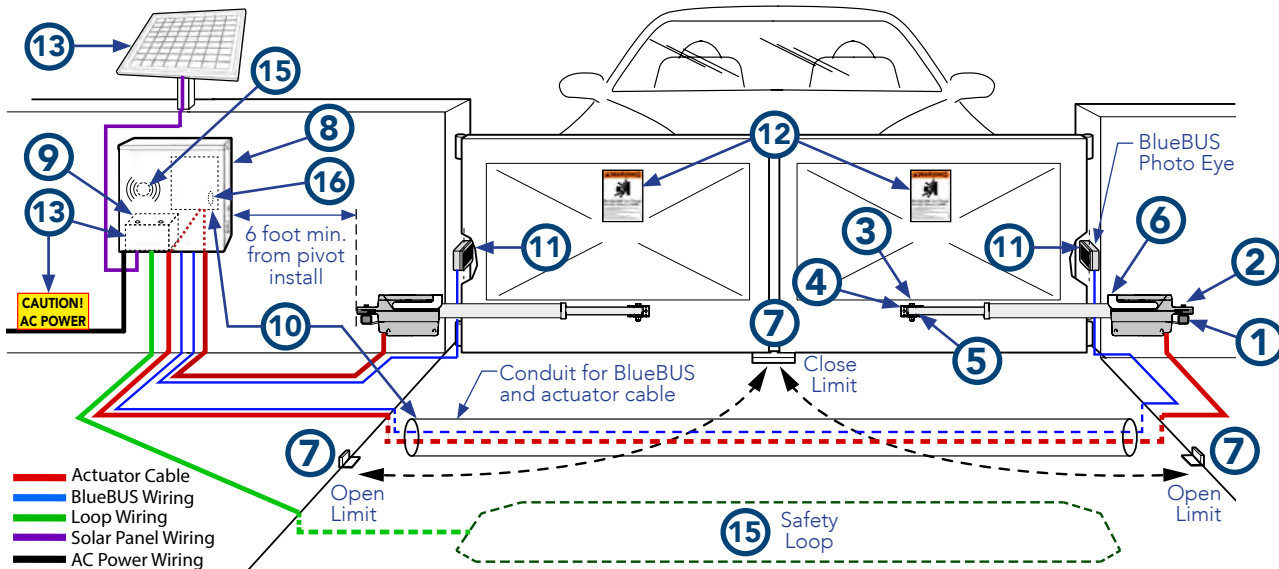
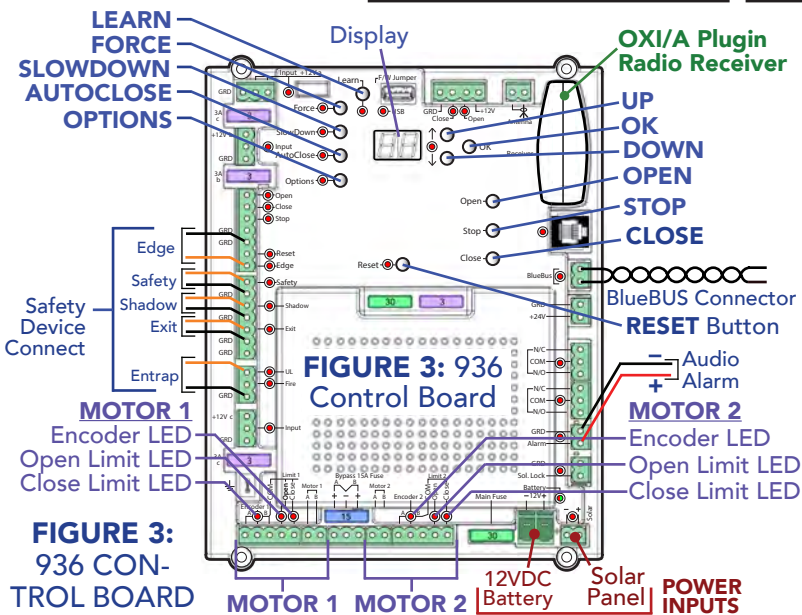
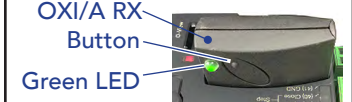


FIGURE 2: TYPICAL TITAN GATE SYSTEM (PULL-TO-OPEN, DUAL-GATE SHOWN)

- 11** Determine BlueBUS photo eye locations: Install, and connect to control board, 100 feet max. See 936 diagram below.
- 12** Attach warning signs to gate.
- 13** To power 936 board, connect battery and/or solar panel(s) to board. See 936 diagram below. If using optional AC-to-DC battery charger, run AC power to charger/battery, but **do NOT connect AC power directly to the control board!**
- 14** Perform limit learn procedure (below).
- 15** Connect audio alarm, then connect other accessories, such as safety loops, strobes, photo eyes, or other safety devices. See FIGURE 3 below.
- 16** Program receiver and transmitters: **a)** Press/hold OXI/A RX button until green LED lights solid, then release. **b)** Within 10 seconds, press/hold any key on Nice TX until green LED blinks 3 times. **c)** Wait 15 sec. then press TX buttons to verify operation.



**FIGURE 3:
936 CONTROL BOARD**



GATE LIMIT LEARN PROCEDURE:

1. **Test Gate Conditions:** Mechanically disengage actuator(s) from gate and move to open/close positions and check for free travel without binding, then reconnect actuator(s) to gate.
2. **Connect Power:** See INSTRUCTION 13, above.
3. **Enter Learn Mode** (see FIGURE 4): **NOTE:** When in Learn Mode, "OPEN" and "CLOSE" buttons must be held down to operate gate. Complete Step 4 (below) for each actuator/gate individually (disconnect cable for actuator NOT being adjusted). Reconnect both actuators prior to **Step 5**.
4. **Adjust Limit Location:** **a)** Hold down "OPEN" button until desired open position reached (If motion is opposite than desired, switch RED and BLACK wires at motor input). **b)** Adjust open limit until Open Limit LED lights. If Close Limit LED lights, switch **ORANGE & WHITE** wires at terminal block. **c)** Hold down "CLOSE" button until desired close position. **d)** Adjust close limit until Close Limit LED lights. **e)** Hold down "OPEN" until gate at middle of travel. Connect both actuator cables to control board if dual gate system.
5. **Commence Limit Learn:** In Learn Mode (with "Lr" still glowing) press "OK" and the following events will occur: **a)** Partial open. **b)** Slow travel in close direction. **c)** Slow travel in open direction. **d)** Full speed in close direction.

Basic limit programming is complete. See the manual for additional programming.

FIGURE 4: ENTERING LEARN MODE (936 BOARD)

