

The following instructions describe the installation of the Multi-Code Receiver for use in all Nice gate operators. Please read all assembly instructions before installing the kit.

SECTION 1: KIT P/N MX4568 PARTS

Verify that all parts are present per Table 1 and Figure 1.

TABLE 1: P/N MX4568 KIT PARTS LIST			
ITEM#	PART#	QTY	DESCRIPTION
1	MX001181	1	RECEIVER, 1 CHANNEL, 300 MHZ
2		1	ANTENNA, F-CONNECTOR, 75 OHM
3		1	COAX CABLE, F-CONNECTOR (MALE TO MALE), 75 OHM, 3 FEET
4		1	F-COUPLER 3/8-32, 75 OHM, FEM TO FEM, STRAIGHT
5		1	HEX NUT, 3/8" (FOR ITEM #4)
6		1	WASHER, 3/8", INT. TOOTH (FOR ITEM #4)
7		2	SCREW, PAN HEAD, SHORT
8		2	SCREW, PAN HEAD, LONG
9		2	WALL ANCHORS, PLASTIC
10	10054990	1	<ul style="list-style-type: none"> • SCREW, 6-32 X 3/8", FLATHEAD (X2) • NUT, 6-32 (X2)
11	D-0931	1	MULTI-CODE RECEIVER INSTALLATION INSTRUCTIONS (THIS DOCUMENT)

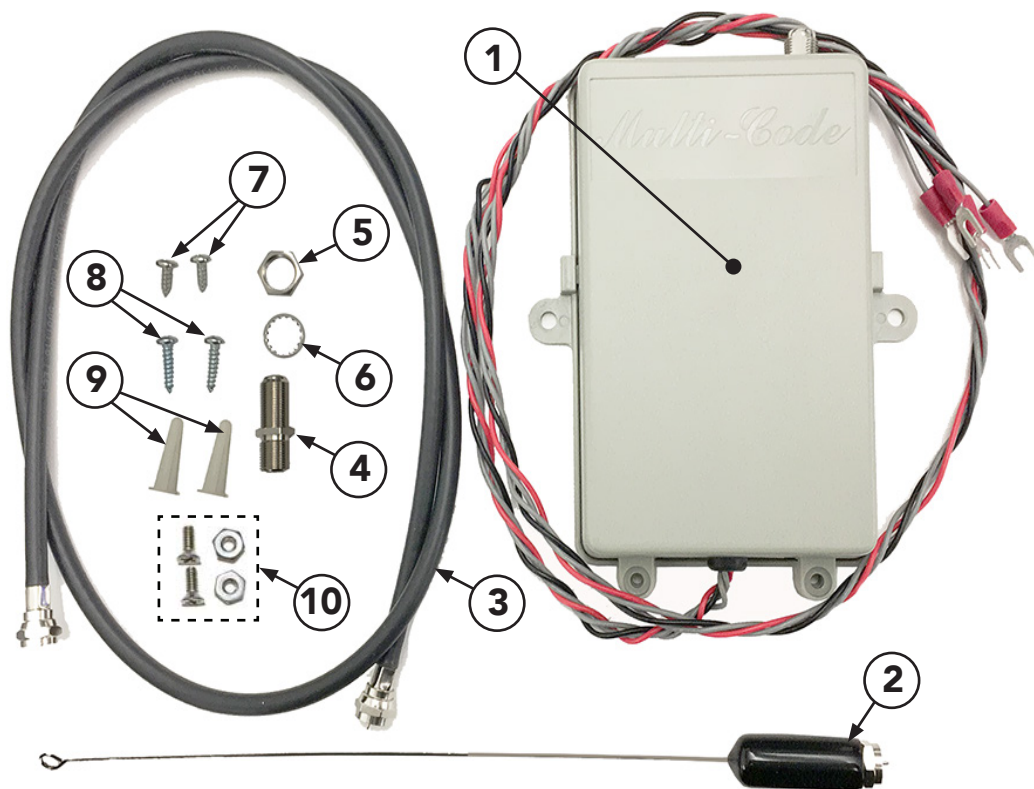


FIGURE 1: P/N MX4568 Kit Parts Identification

SECTION 2: REQUIRED TOOLS

- 7/16" coupling wrench or 1/2" wrench (for F-coupler mounting)
- Phillips head screwdriver (for mounting screws)
- Small flathead screwdriver (for terminal block screws)
- Wire cutters (for cutting spade lugs from receiver wires and stripping)

WARNING!

DISCONNECT ELECTRICAL POWER FROM THE GATE OPERATOR UNIT BEFORE INSTALLATION OF THIS KIT OR BEFORE ANY ATTEMPT TO MAINTAIN OR REPAIR THE UNIT.

SECTION 3: GATE OPERATOR PREPARATION

1. Unlock and remove gate operator cover, using key if necessary, and set aside.
2. Ensure gate operator is turned off and moving components are idle.
3. Disconnect negative battery cable from the battery if applicable.

SECTION 4: RECEIVER WIRING PREPARATION

1. Cut off the four spade lugs from the four wires attached to the receiver and discard (Figure 2).
2. Strip each wire back 1/4" to 5/16" for installation into terminal block(s).
3. Twist all four wires together for proper cable dressing.

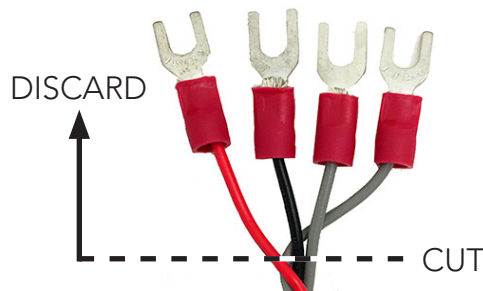


FIGURE 2: Removing Lugs from Receiver Cable

SECTION 5: SELECTING THE OPERATING FREQUENCY

1. Remove top cover by squeezing both sides of cover at the tabs and tilting up (Figure 3).
2. To select frequency refer to Figure 4, Detail A and place jumper as shown to select either 310 MHz (Stanley) or 300 MHz (Multi) position. If no jumper is present, the default frequency is 310 MHz.

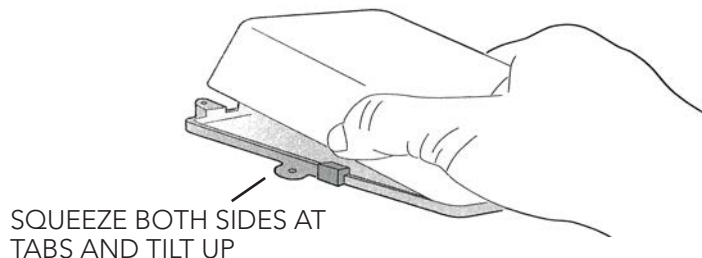


FIGURE 3: Removing Receiver Cover

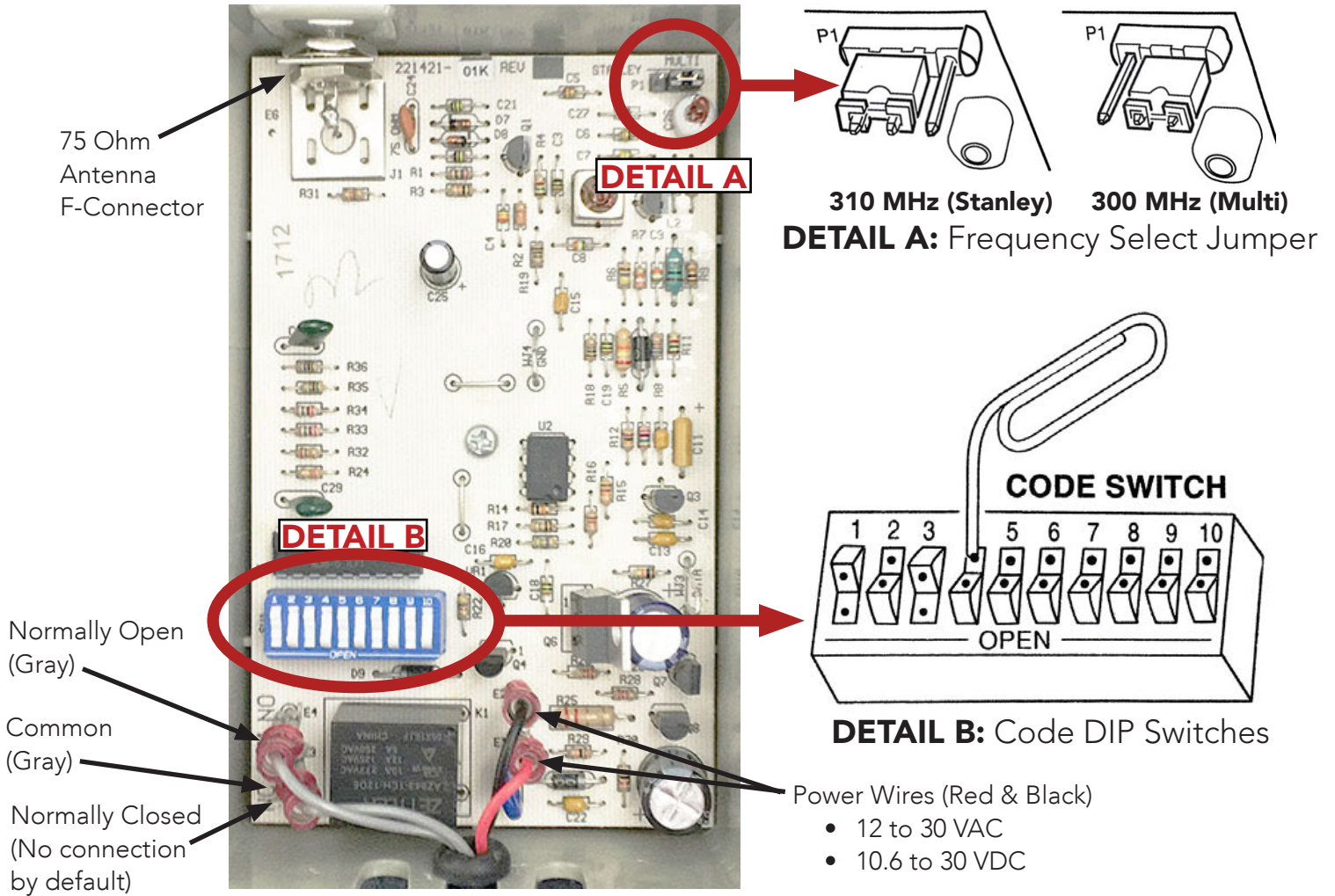


FIGURE 4: Receiver PCB (Cover Removed)

SECTION 6: PROGRAMMING A CODE

The code is determined by positions of switches on DIP module (Figure 4, Detail B). Select ON (closed) or OFF (open) positions using a small pointed object, such as a small screwdriver or paper clip.

NOTE:

Avoid the following code schemes, as these codes are frequently used by other manufacturers and might initiate unintended operation or compromise security:

- All ON
- All OFF
- 2, 4, 6, 8, 10 ON
- 1, 3, 7, 9 ON

1. Set the ten (10) code switches (1-10) to match switch settings on the transmitter.
2. Check the selected code to ensure it is functional before proceeding with the installation.
3. Replace cover: insert cover tab into chassis slot, squeeze both sides at tabs, lower into place, then release.

SECTION 7: WIRING TO OPERATOR PCB

Refer to Figure 5 for location and wiring of the three different possible operator PCBs. Unplug appropriate terminal block(s), screw wires into terminals per illustrations, and replug back into position onto operator PCB.

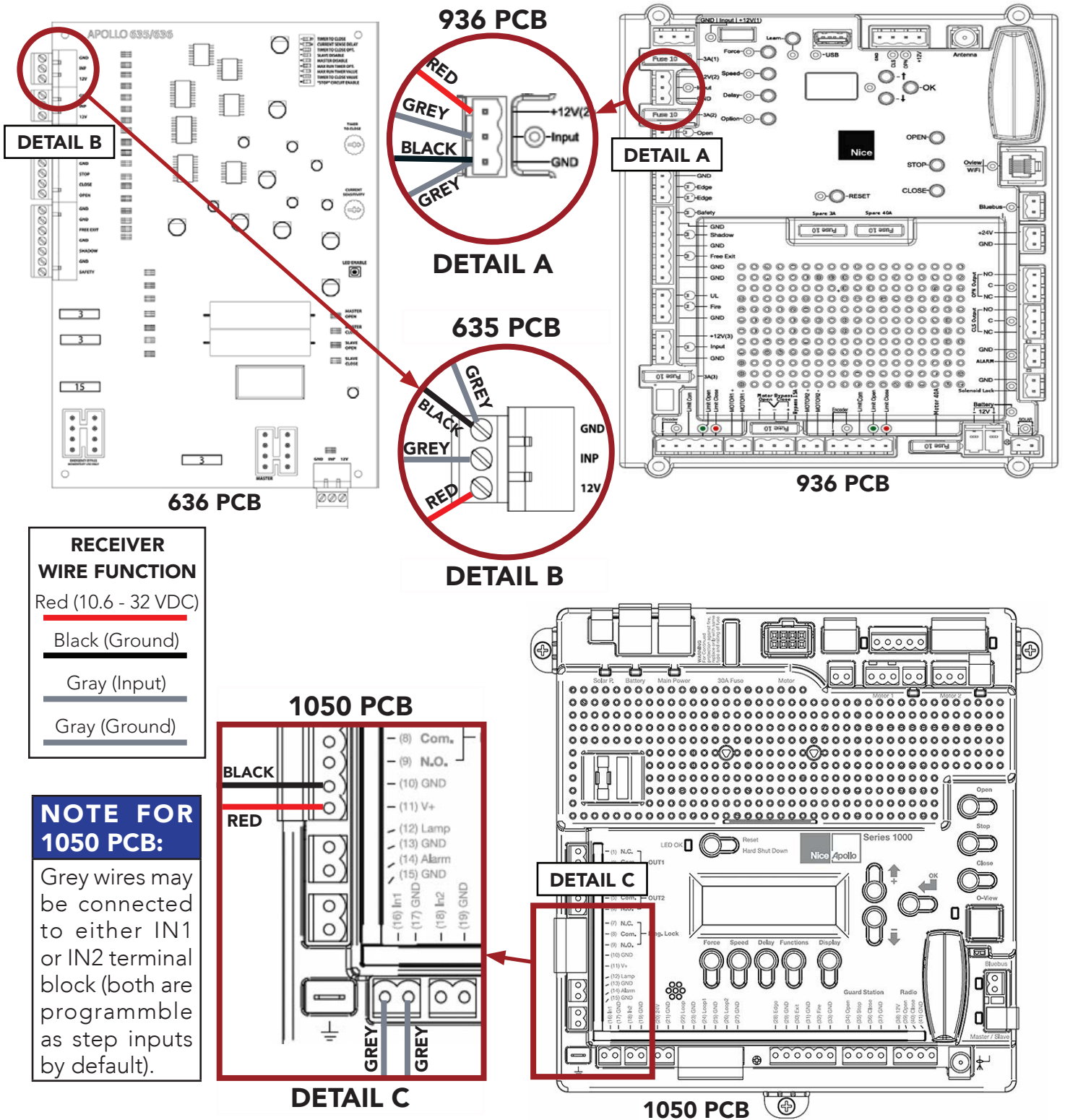
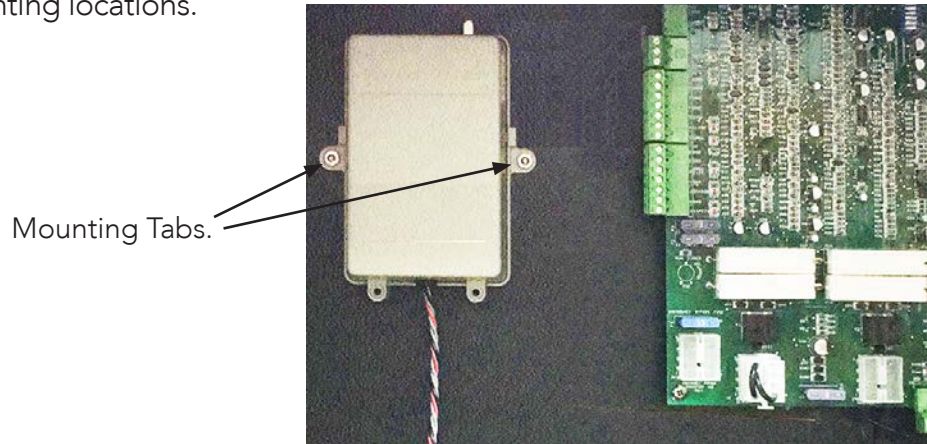


FIGURE 5: Operator PCB Terminal Locations and Wiring

SECTION 8: INSTALLATION

Mount the receiver inside the operator control box (or otherwise protected from environmental conditions). Affix to enclosure with P/N 10054990 (two flat head screws and nuts) via side mount holes (Figure 6) . Install nuts at interior of enclosure. Masonry and wood surface mounting hardware is included for alternative mounting locations.



NOTE:

If using the antenna directly connected to the receiver, mount the receiver to allow clearance for the antenna whip so it is straight and not bent.

FIGURE 6: Receiver Installation Location Example (636 Operator PCB Shown)

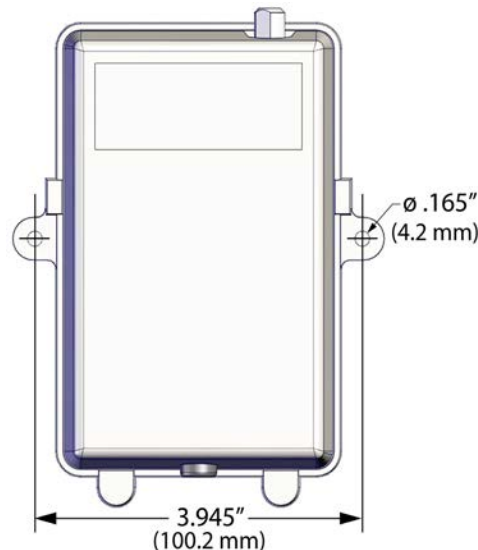


FIGURE 7: Receiver Mounting Tab Hole Dimensions

SECTION 9: INSTALLATION CONCERNS

- Ensure operator control box is sealed to prevent moisture from entering the device
- Where vibrations are present, use a fastening compound, such as LOKTITE (TM), on the mounting screws to ensure hardware does not loosen over time.

SECTION 10: OPERATIONAL CHECK

1. Attach included antenna to the F-connector of the installed receiver.
2. Apply power to the system.
3. Move about 50 feet away from the gate operator and press transmitter button. Operation should be reliable at this distance. If not, refer to Section 11: Troubleshooting.

SECTION 11: TROUBLESHOOTING OPERATIONS

If the operator does not activate when the gate open/close button is pushed, the problem is likely with receiver and/or transmitter. If signal reception is not satisfactory or not present, check the following:

- If transmitter is mounted a distance from the gate operator, dismount and bring closer to receiver.
- Check that 12 VDC power is present in gate operator unit.
- Check that code switches (Section 6) are set identically on the transmitter and receiver.
- Check the position of the frequency select jumper (Section 5).
- Check the transmitter battery strength.
- Check that all wires are correctly connected to the gate operator PCB (Section 7).

If range is still unsatisfactory after performing above checks, it may be necessary to install the antenna external to the operator control box as described in Section 12.

SECTION 12: EXTERNAL ANTENNA INSTALLATION

1. Drill 0.35" hole in desired location on top or sides of operator enclosure for F-coupler mounting.
2. Insert longer end of F-coupler into drilled hole from outside enclosure (Figure 8, Detail A).
3. Affix F-coupler to enclosure with nut and washer (Figure 8, Detail A).
4. Attach coaxial cable between receiver and panel mounted F-coupler (Figure 8).
5. Attach antenna (or extension cable) to the F-coupler protruding from operator enclosure (Figure 8).

NOTE:

If locating antenna further away with cable extension, do not exceed total cable length of twenty feet (20').

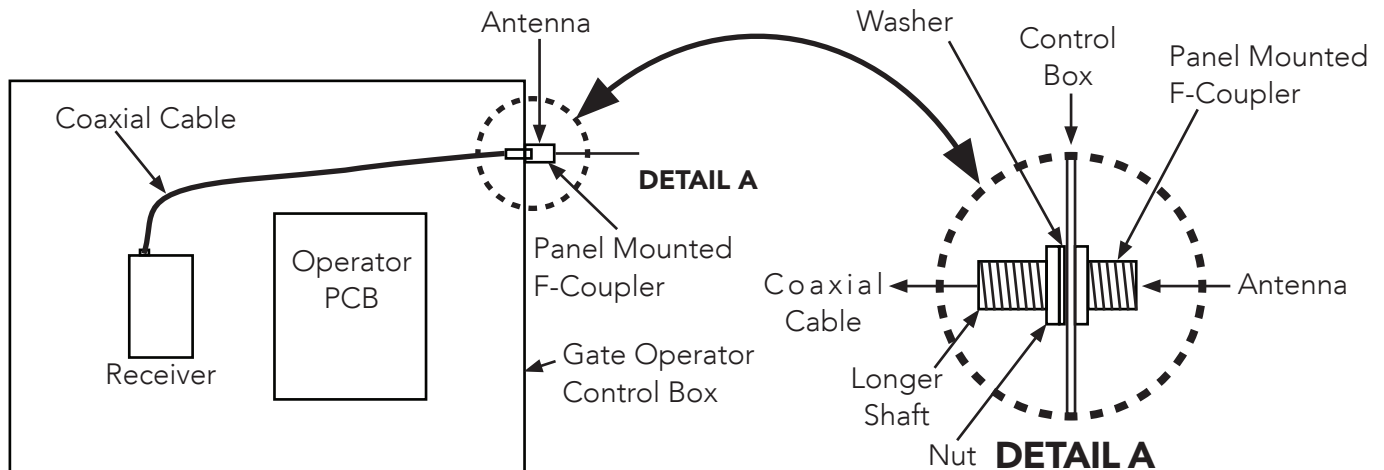


FIGURE 8: External Antenna Wiring

SECTION 13: REASSEMBLY

After receiver installation and testing, replace the gate operator cover, and lock with key (if required).

SECTION 14: WARRANTY

For returns or replacement, please refer to the HySecurity Nice warranty. Navigate to <https://www.hysecurity.com/contact-us/warranty-registration/>, then click on "Nice Warranty".