Honeywell

GSM-EXT Cable Assembly Installation Guide

For Documentation and Online Support: http://www.security.honeywell.com/hsc/resources/MyWebTech

General Information

The GSM-EXT cable assembly is used to connect the communications modules to AlarmNet external antenna assemblies.

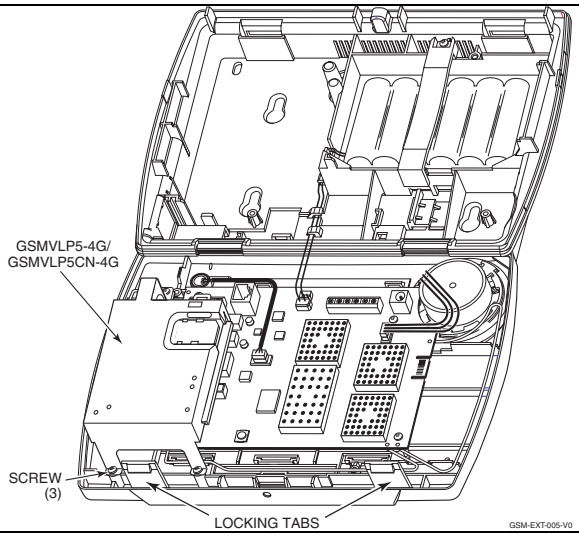
LYNX Touch/QuickConnect Touch Controls

Remove the GSMVLP54G/GSMVLP5CN4G

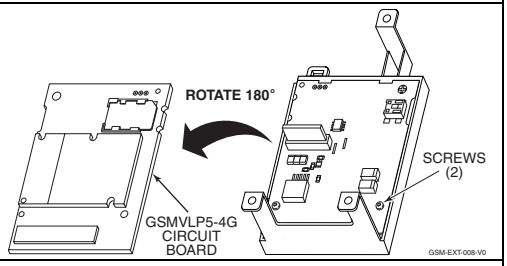
1. Unplug the power supply from the wall outlet, and open the control panel cover.
2. Release the front case from the back case by depressing the two locking tabs at the top of the unit with the blade of a medium size screwdriver.
3. Disconnect the battery connector from the receptacle on the PC board.

Note: Proceed to step 4 if a communications module is already installed in the control. If this is a new installation, proceed to step 6.

4. Remove three screws that secure the GSMVLP54G/GSMVLP5CN4G to the control.
5. Remove the GSMVLP54G/GSMVLP5CN4G from the LYNX Touch.



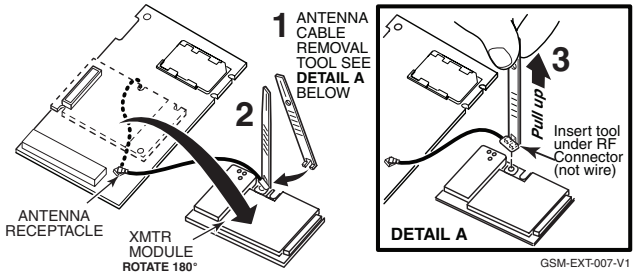
6. Flip the GSMVLP54G/GSMVLP5CN4G over and remove two screws that secure the circuit board to the plastic housing.
7. Remove the circuit board from the GSMVLP54G/GSMVLP5CN4G plastic housing.



8. Flip the circuit board over and carefully remove the XMTR Module. Take care to avoid damaging the connector pins.
9. Flip the XMTR Module over and locate the RF cable
10. Slip the Antenna Cable Removal Tool (p/n 700-03513) under RF Cable connector as shown.

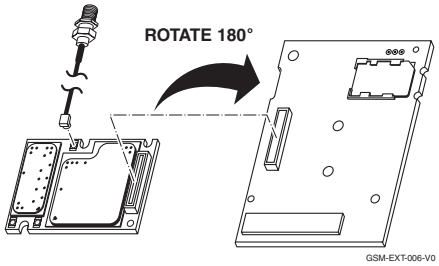
PLEASE: (1) DO NOT use the tool to <u>pry</u> the connector loose. Instead, <u>pull</u> directly upward, perpendicular to the circuit board. Do not pull on the cable. (2) USE CAUTION not to damage the adjacent components when inserting the Antenna Cable Removal Tool.

11. Pull directly upwards until the connector detaches from the module's receptacle as shown in Detail A. (This cable is no longer needed.)
12. Repeat step 10 and 11 to disconnect the cable from the GSMVLP54G/GSMVLP5CN4G. (This cable is no longer needed.)

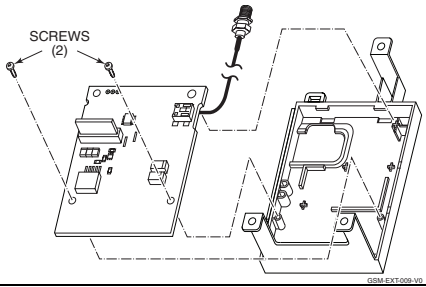


Installing the GSM-EXT Cable

1. Connect the GSM-EXT cable to the receptacle on the XMTR Module as shown.
2. Holding the cable between the thumb and middle finger, with the index finger on the back of the connector.
3. Align the connector vertically with the receptacle on XMTR Module (the cable should be leading away from the module).
4. Gently press directly downward to mate both connectors. There should be a “snap” to confirm the mating.
5. Flip the XMTR Module over and reconnect it to the GSMVLP54G/GSMVLP5CN4G circuit board as shown.

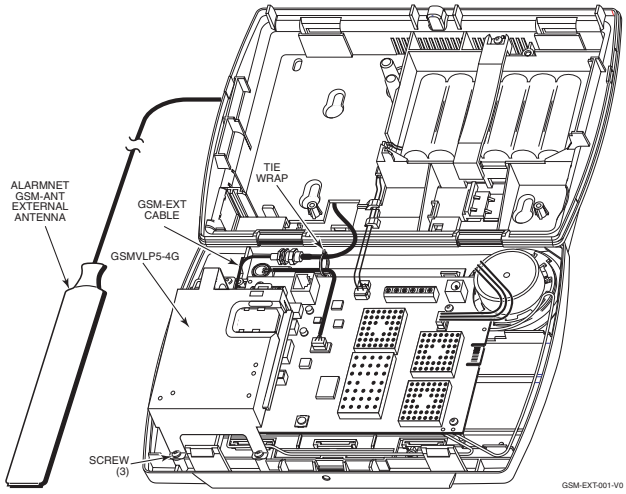


6. Flip the GSMVLP54G/GSMVLP5CN4G circuit board over and reinstall it in the plastic housing.
7. Route the cable so it is not pinched by the plastic or damaged by the mounting screws.
8. Install the two screws that secure the circuit board to the plastic housing.



Reinstall the GSMVLP54G/GSMVLP5CN4G

1. Install the GSMVLP54G/GSMVLP5CN4G in the control. Ensure that the connector board is properly seated into the receptacle on the control and the GSM-EXT cable is routed properly as shown.
2. Secure the GSMVLP54G/GSMVLP5CN4G in the control with the three screws.
3. Route the external antenna cable through the control rear case and connect the coaxial connector to the GSM-EXT cable.
4. Route the GSM-EXT cable and secure it to the tie wrap point on the control with the provided tie wrap as shown.
5. Mount the external antenna. Refer to the Installation Instructions provided with the AlarmNet GSM-ANT external antenna.
6. Reconnect the battery connector to the receptacle on the PC board.
7. After the wiring connection has been made, snap the front and back case closed.
8. Plus the power supply into a 24-hour, 110VAC unswitched outlet.



LYNX Plus/QuickConnect Plus Controls

Note: There are two different configurations for the GSMVLP4G/GSMVLPCN4G GSM Communications Module that is installed in the LYNX Plus control Panel. The procedure used to install the GSM-EXT differs between these configurations. Ensure that you use the procedure that is associated with correct configuration.

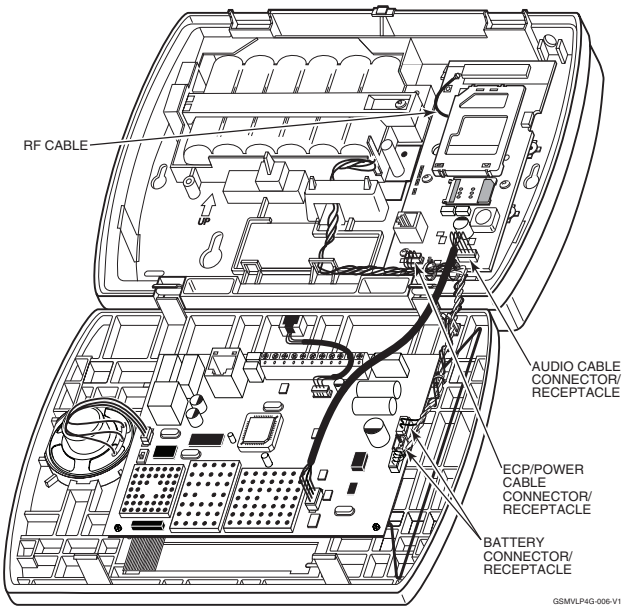
Remove the GSMVLP4G/GSMVLPCN4G

Note: This procedure should only be used in conjunction with a GSMVLP4G/ GSMVLPCN4G Communications Module that is equipped with a removable Transmitter Module.

1. Unplug the power supply from the wall outlet, and open the control panel cover.
2. Release the front case from the back case by depressing the two locking tabs at the top of the unit with the blade of a medium size screwdriver.
3. Disconnect the battery connector from the receptacle on the PC board.

Note: Proceed to step 4 if a communications module is already installed in the control. If this is a new installation, proceed to step 7.

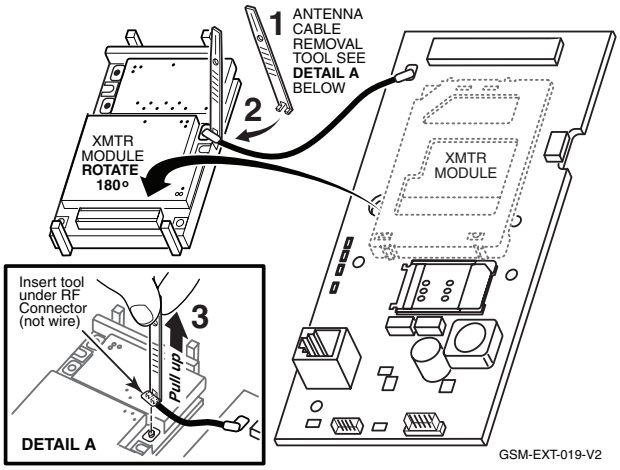
4. Disconnect the ECP/Power cable and the Audio Cable (if used) from the PC board.
5. Remove three screws that secure the GSMVLP4G/GSMVLPCN4G to the control.
6. Remove the GSMVLP4G/GSMVLPCN4G from the LYNX Plus.
7. On the back of the Communicator PC board, push the bottom two black tabs in an upward direction while detaching the XMTR Module. It will still be attached by the small RF cable. Note where the RF cable is attached to the XMTR Module; there are three ports.



8. Flip the XMTR Module over and locate the RF cable
9. Slip the Antenna Cable Removal Tool (p/n 700-03513) under RF Cable connector as shown.

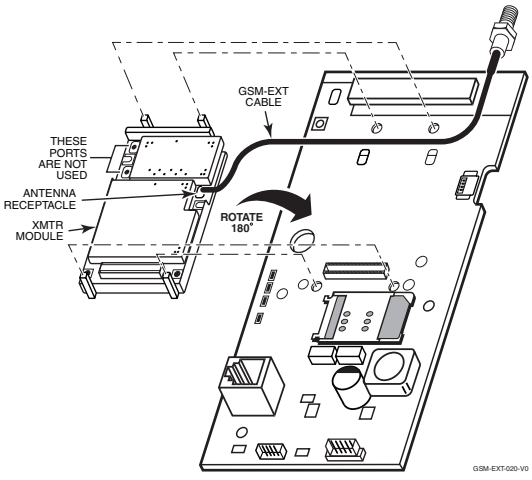
PLEASE: (1) DO NOT use the tool to pry the connector loose. Instead, pull directly upward, perpendicular to the circuit board. Do not pull on the cable. (2) USE CAUTION not to damage the adjacent components when inserting the Antenna Cable Removal Tool.

10. Pull directly upwards until the connector detaches from the module's receptacle as shown in Detail A. (This cable is no longer needed.)
11. Repeat step 9 and 10 to disconnect the cable from the GSMVLP4G/GSMVLPCN4G Communicator PCB. (This cable is no longer needed.)



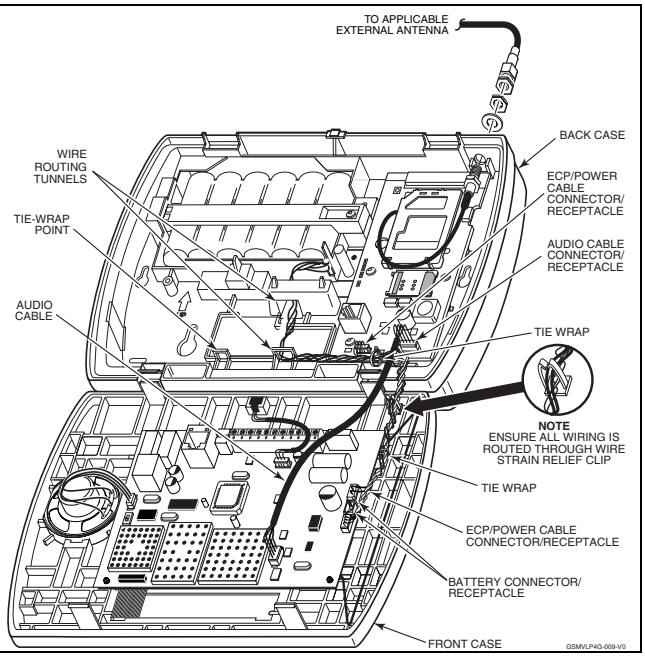
Installing the GSM-EXT Cable

1. Connect the GSM-EXT cable to the receptacle on the XMTR Module as shown.
2. Holding the cable between the thumb and middle finger, with the index finger on the back of the connector.
3. Align the connector vertically with the receptacle on XMTR Module (the cable should be leading away from the module).
4. Gently press directly downward to mate both connectors. There should be a "snap" to confirm the mating.
5. Connect the XMTR Module to the Communicator PC board by first inserting the top two black tabs. While aligning the bottom tabs, apply a slight downward pressure to the top of the XMTR Module, while snapping the bottom into place.



Reinstall the GSMVLP-4G/GSMVLPCN4G

1. Install the GSMVLP-4G/GSMVLPCN4G in the control. Ensure that the connector board is properly seated into the receptacle on the control and the GSM-EXT cable is routed properly as shown.
2. Secure the GSMVLP-4G/GSMVLPCN4G in the control with the three screws. (refer to the GSM-EXT Cable Routing Diagram)
3. Route the external antenna cable through the control rear case and connect the coaxial connector to the GSM-EXT cable.
4. Mount the external antenna. Refer to the Installation Instructions provided with the AlarmNet GSM-ANT external antenna.
5. Connect the ECP/Power Cable and Audio Cable (if used) to the PC board. Secure the cable(s) to the tie wrap point(s) on the control with the provided tie wrap(s) as shown.
6. Connect the battery connector to the receptacle on the PC board.
7. After the wiring connection has been made, snap the front and back case closed.
8. Plug the power supply into a 24-hour, 110VAC unswitched outlet.

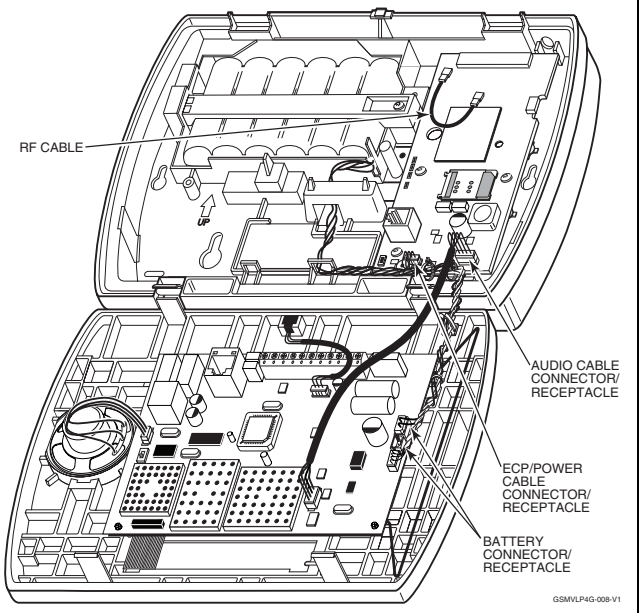


LYNX Plus/QuickConnect Plus Controls

Remove the RF Cable from the GSMVLP4G/GSMVLPCN4G

Note: This procedure should only be used in conjunction with a GSMVLP4G/ GSMVLPCN4G Communications Module that is equipped with an integral Transmitter Module.

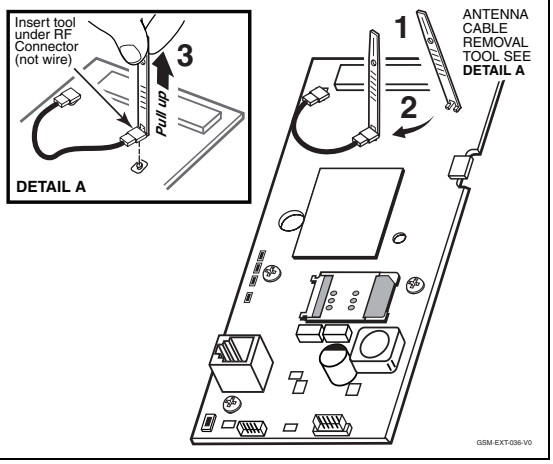
1. Unplug the power supply from the wall outlet, and open the control panel cover.
2. Release the front case from the back case by depressing the two locking tabs at the top of the unit with the blade of a medium size screwdriver.
3. Disconnect the battery connector from the receptacle on the PC board.
4. Locate the RF cable on the GSMVLP4GS/GSMVLPCN4GS Communicator PCB.



5. Slip the Antenna Cable Removal Tool (p/n 700-03513) under RF Cable connector as shown.

PLEASE: (1) DO NOT use the tool to <u>pry</u> the connector loose. Instead, <u>pull</u> directly upward, perpendicular to the circuit board. Do not pull on the cable. (2) USE CAUTION not to damage the adjacent components when inserting the Antenna Cable Removal Tool.

6. Pull directly upwards until the connector detaches from the module's receptacle as shown in Detail A. (This cable is no longer needed.)
7. Repeat step 5 and 6 to disconnect the cable from the GSMVLP4GS/GSMVLPCN4GS Communicator PCB. (This cable is no longer needed.)

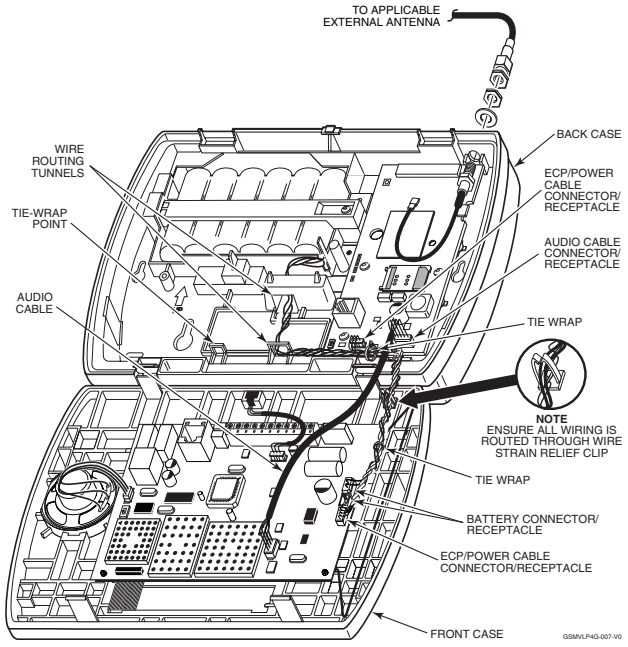


Install the GSM-EXT Cable on the GSMVLP4G/GSMVLPCN4G

Note: If this is a new installation, proceed to step 1. If a communications module is already installed in the control, proceed to step 3.

1 Install the GSMVLP-4G/GSMVLPCN4G in the control as shown.

2. Secure the GSMVLP-4G/GSMVLPCN4G in the control with the three screws. (refer to the GSM-EXT Cable Routing Diagram)
3. Connect the GSM-EXT cable to the receptacle on the GSMVLP4GS/GSMVLPCN4GS PCB.
4. Holding the cable between the thumb and middle finger, with the index finger on the back of the connector.
5. Align the connector vertically with the receptacle on the PCB. Gently press directly downward to mate both connectors. There should be a “snap” to confirm the mating.
6. Route the external antenna cable through the control rear case and connect the coaxial connector to the GSM-EXT cable. Secure with lock washer and nut. (The lock washer should be under the nut.)
7. Mount the external antenna. Refer to the Installation Instructions provided with the AlarmNet GSM-ANT external antenna.
8. Reconnect the battery connector to the receptacle on the PC board.
9. After the wiring connection has been made, snap the front and back case closed.
10. Plug the power supply into a 24-hour, 110VAC unswitched outlet.



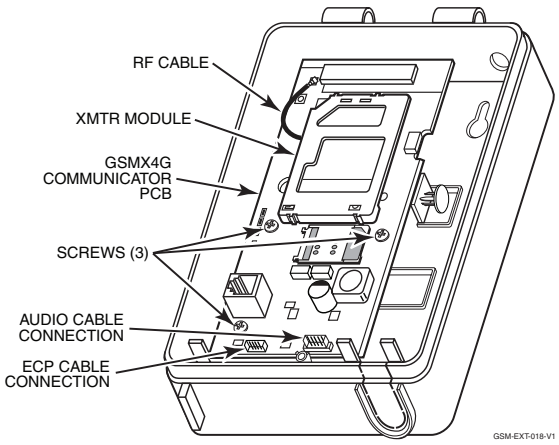
GSMX4G/GSMXCN4G

Note: There are two different configurations for the GSMX4G/GSMXCN4GGSM Communications Module. The procedure used to install the GSM-EXT differs between these configurations. Ensure that you use the procedure that is associated with correct configuration.

Remove the PC Board

Note: This procedure should only be used in conjunction with a GSMX4G/ GSMXCN4G Communications Module that is equipped with a removable Transmitter Module.

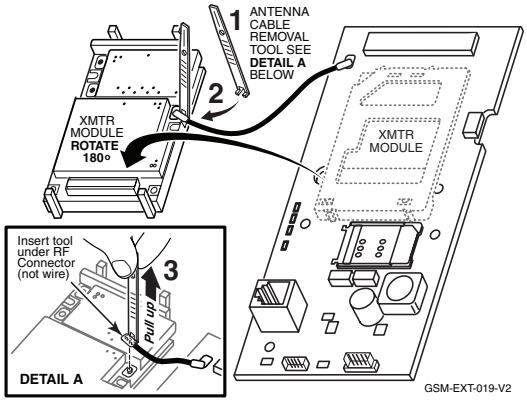
1. Power down the system, then loosen the captive cover screw and lift the communicator cover.
2. Disconnect the ECP cable and audio cable (if used).
3. Remove the three (3) screws that secure the Communicator PC board to the enclosure. Remove the PC board.
4. On the back of the Communicator PC board, push the bottom two black tabs in an upward direction while detaching the XMTR Module. It will still be attached by the small RF cable. Note where the RF cable is attached to the XMTR Module; there are three ports.



5. Flip the XMTR Module over and locate the RF cable
6. Slip the Antenna Cable Removal Tool (p/n 700-03513) under RF Cable connector as shown.

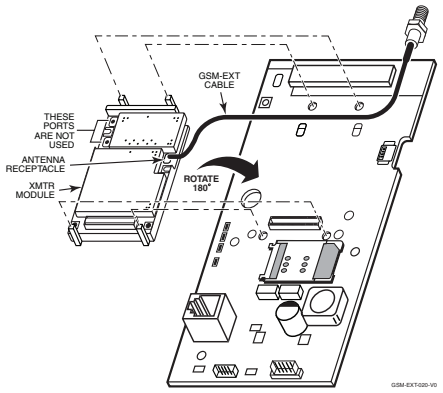
PLEASE: (1) DO NOT use the tool to pry the connector loose. Instead, pull directly upward, perpendicular to the circuit board. Do not pull on the cable. (2) USE CAUTION not to damage the adjacent components when inserting the Antenna Cable Removal Tool.

7. Pull directly upwards until the connector detaches from the module's receptacle as shown in Detail A. (This cable is no longer needed.)
8. Repeat step 6 and 7 to disconnect the cable from the GSMX4G Communicator PCB. (This cable is no longer needed.)

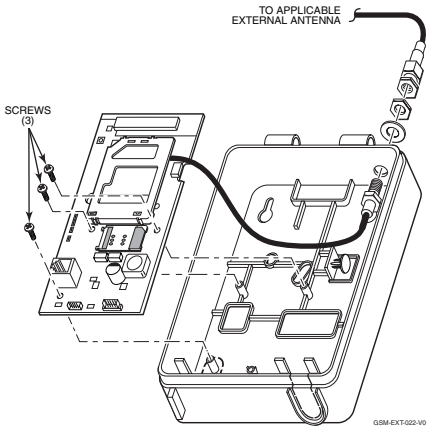


Installing the GSM-EXT Cable

1. Connect the GSM-EXT cable to the receptacle on the XMTR Module as shown.
2. Holding the cable between the thumb and middle finger, with the index finger on the back of the connector.
3. Align the connector vertically with the receptacle on XMTR Module (the cable should be leading away from the module).
4. Gently press directly downward to mate both connectors. There should be a "snap" to confirm the mating.
5. Connect the XMTR Module to the Communicator PC board by first inserting the top two black tabs. While aligning the bottom tabs, apply a slight downward pressure to the top of the XMTR Module, while snapping the bottom into place.



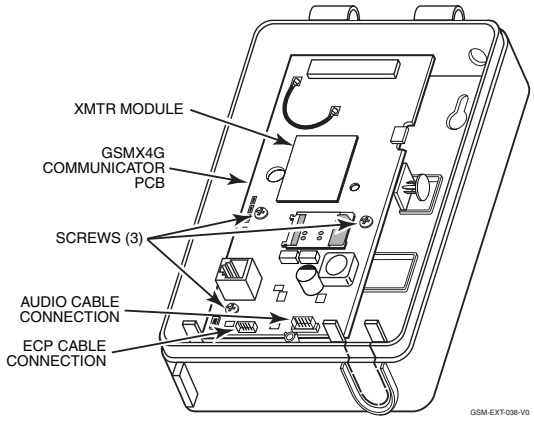
6. Attach the Communicator PC board to the enclosure using the three (3) screws.
7. Route the other end of the GSM-EXT Cable to the through-hole on the enclosure back. Secure with lock washer and nut. (The lock washer should be under the nut.) (refer to the GSM-EXT Cable Routing Diagram)
8. Connect the ECP cable and audio cable (if used).
9. Assemble and attach the antenna kit as shown on the applicable instructions. Then proceed to the next step.
10. Power up the system and allow a few minutes for initialization, then check the signal strength. Signal LED should be lit steady.
11. Close the front cover and secure with screw.



Remove the RF Cable from the GSMX4G/GSMXCN4G PC Board

Note: This procedure should only be used in conjunction with a GSMVLP4G/ GSMVLPCN4G Communications Module that is equipped with an integral Transmitter Module.

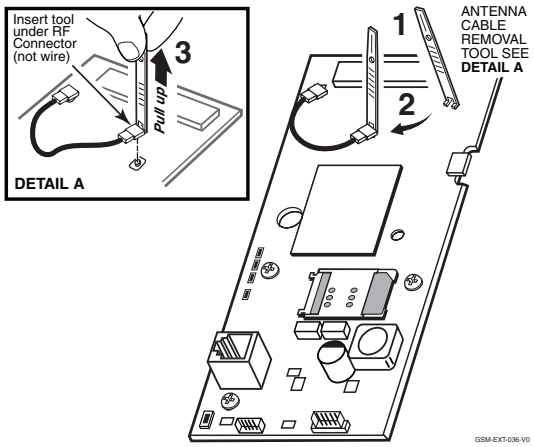
1. Power down the system, then loosen the captive cover screw and lift the communicator cover.
2. Locate the RF cable on the GSMX4G/GSMXCN4G PC Board.



3. Slip the Antenna Cable Removal Tool (p/n 700-03513) under RF Cable connector as shown.

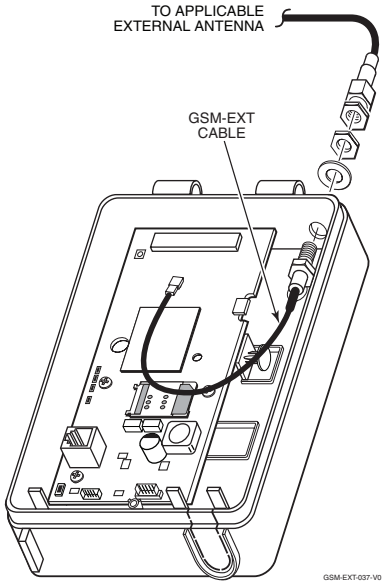
PLEASE: (1) DO NOT use the tool to <u>pry</u> the connector loose. Instead, <u>pull</u> directly upward, perpendicular to the circuit board. Do not pull on the cable. (2) USE CAUTION not to damage the adjacent components when inserting the Antenna Cable Removal Tool.

4. Pull directly upwards until the connector detaches from the module's receptacle as shown in Detail A. Repeat step 3 and 4 to disconnect the cable from the GSMX4G Communicator PCB. (This cable is no longer needed.)



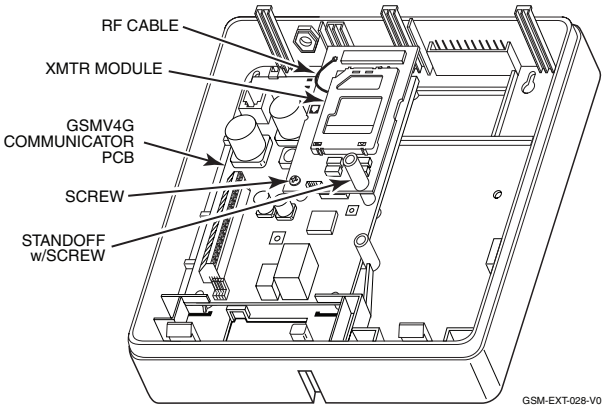
Install the GSM-EXT Cable on the GSMX4G/GSMXCN4G PC Board

1. Connect the GSM-EXT cable to the receptacle on the XMTR Module as shown.
2. Holding the cable between the thumb and middle finger, with the index finger on the back of the connector.
3. Align the connector vertically with the receptacle on the PC Board.
4. Gently press directly downward to mate both connectors. There should be a "snap" to confirm the mating.
5. Route the other end of the GSM-EXT Cable to the through-hole on the enclosure back. Secure with lock washer and nut. (The lock washer should be under the nut.) (refer to the GSM-EXT Cable Routing Diagram)
6. Assemble and attach the antenna kit as shown on the applicable instructions. Then proceed to the next step.
7. Power up the system and allow a few minutes for initialization, then check the signal strength. Signal LED should be lit steady.
8. Close the front cover and secure with screw.



Remove the GSMV4G PC Board

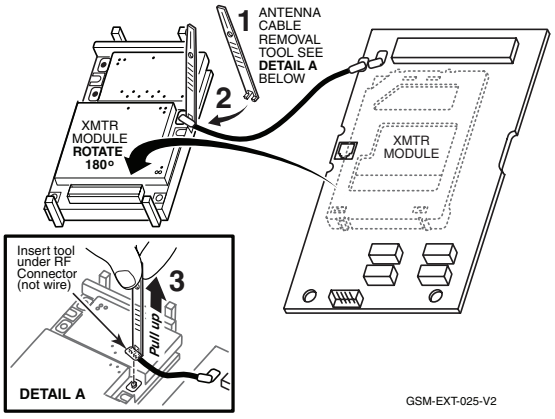
1. Power down the system, open the communicator case by pushing in the two bottom tabs with a screwdriver while separating the case front.
2. Tag and remove the power wires from TB1. Then remove the battery cable connector.
3. Remove two (2) screws and standoff that secure the Communicator PC board to the enclosure. Lift out the Communicator PC board.
4. On the back of the Communicator PC board, push the bottom two black tabs in an upward direction while detaching the XMTR Module. It will still be attached by the small RF cable. Note where the RF cable is attached to the XMTR Module; there are three ports.



5. Flip the XMTR Module over and locate the RF cable
6. Slip the Antenna Cable Removal Tool (p/n 700-03513) under RF Cable connector as shown.

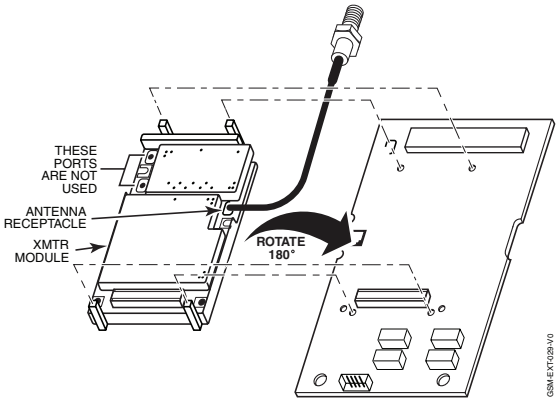
PLEASE: (1) DO NOT use the tool to <u>pry</u> the connector loose. Instead, <u>pull</u> directly upward, perpendicular to the circuit board. Do not pull on the cable. (2) USE CAUTION not to damage the adjacent components when inserting the Antenna Cable Removal Tool.

7. Pull directly upwards until the connector detaches from the module's receptacle as shown in Detail A.
8. Repeat step 6 and 7 to disconnect the cable from the GSMV4G Communicator PCB. (This cable is no longer needed.)

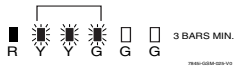


Installing the GSM-EXT Cable

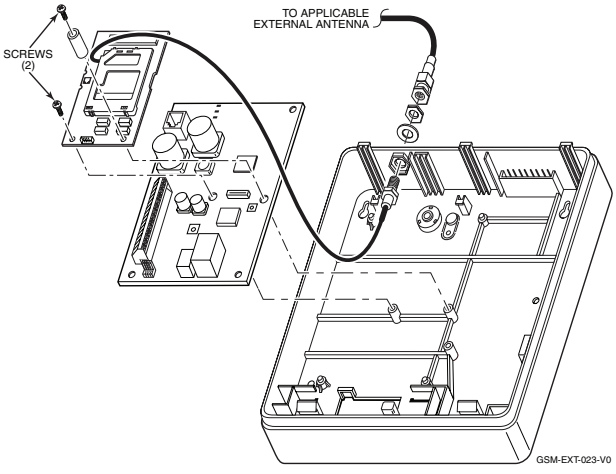
1. Connect the GSM-EXT cable to the receptacle on the XMTR Module as shown.
2. Holding the cable between the thumb and middle finger, with the index finger on the back of the connector.
3. Align the connector vertically with the receptacle on XMTR Module (the cable should be leading away from the module).
4. Gently press directly downward to mate both connectors. There should be a "snap" to confirm the mating.
5. Connect the XMTR Module to the Communicator PC board by first inserting the top two black tabs. While aligning the bottom tabs, apply a slight downward pressure to the top of the XMTR Module, while snapping the bottom into place.

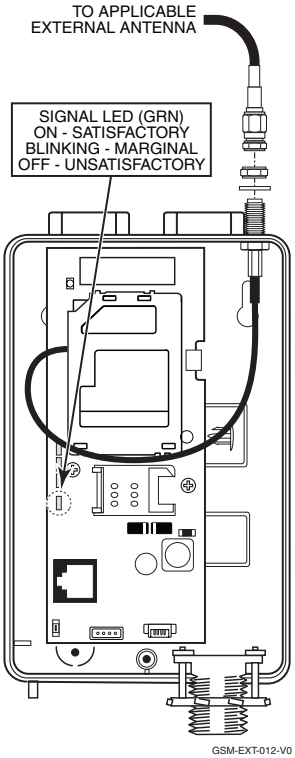


6. Attach the Communicator PC board to the enclosure using two (2) screws and standoff (standoff is used on the right screw).
7. Route the other end of the GSM-EXT Cable to the through-hole on the enclosure back. Secure with lock washer and nut. (The lock washer should be under the nut.) (refer to the GSM-EXT Cable Routing Diagram)
8. Reconnect the power wires to TB1, and attach battery cable.
9. Assemble and attach the antenna kit as shown on page 1. Then proceed to the next step.
10. Power up the system and allow a few minutes for initialization, then check the signal strength. Signal strength should be within 3-5 bars.

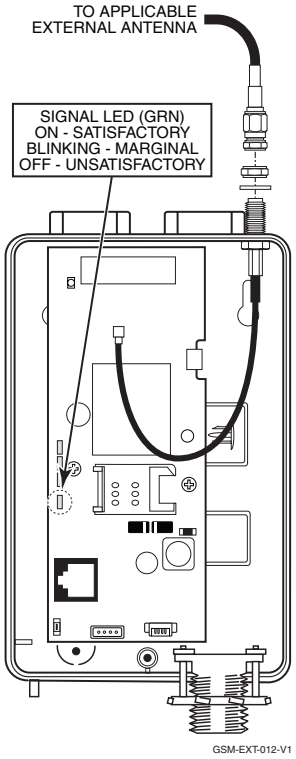


11. Replace the front cover and secure with screw.

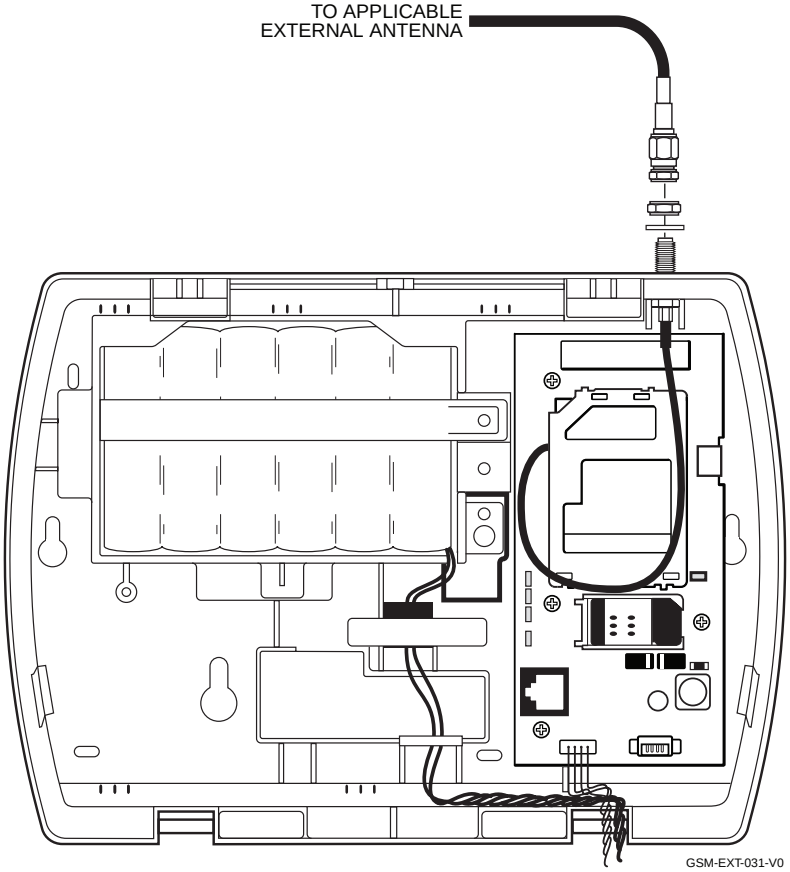




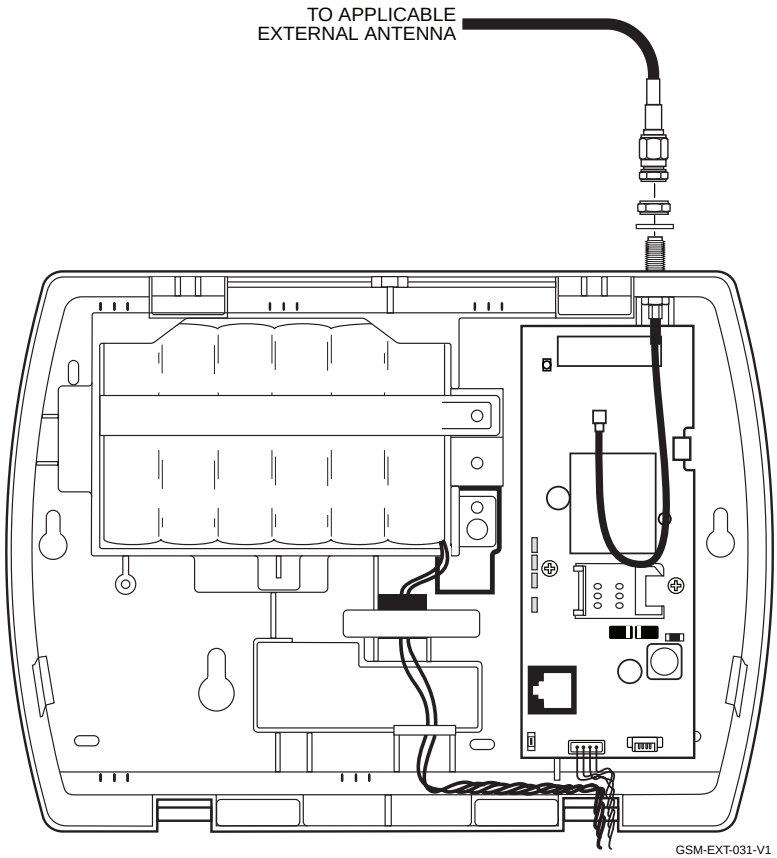
GSMX4G/GSMXCN4G/GSM-EXT Cable Routing
(Removable Transmitter Module)



GSMX4G/GSMXCN4G/GSM-EXT Cable Routing
(Integral Transmitter Module)

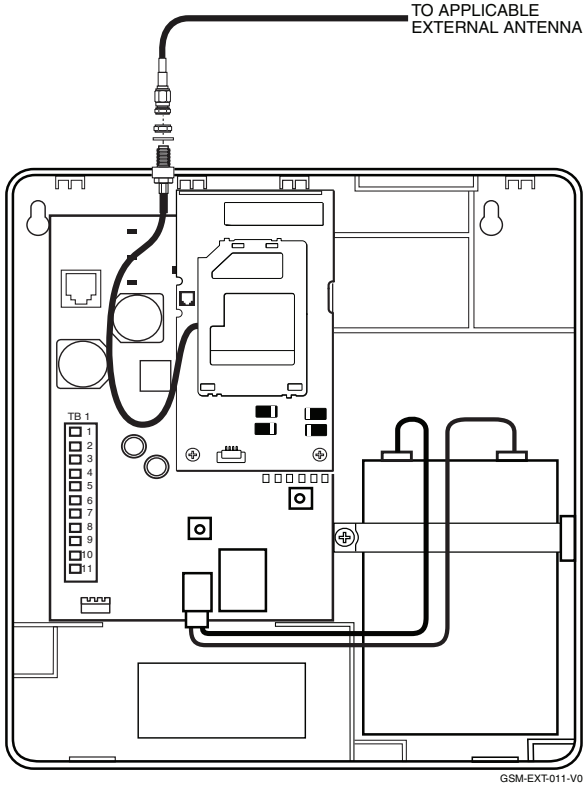


GSMVLP-4G/GSMVLPCN4G/GSM-EXT Cable Routing
(Removable Transmitter Module)



GSMVLP-4G/GSMVLPCN4G/ GSM-EXT Cable Routing

(Integral Transmitter Module)



GSMV4G/GSM-EXT Cable Routing

WARRANTY INFORMATION

REFER TO THE INSTALLATION AND SETUP GUIDE FOR THE CONTROL WITH WHICH THIS DEVICE IS USED FOR WARRANTY INFORMATION AND LIMITATIONS OF THE ENTIRE SYSTEM.

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENTS

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

FCC CLASS B STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

INDUSTRY CANADA CLASS B STATEMENT

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

FCC / IC STATEMENT

This device complies with Part 15 of the FCC Rules, and RSS 210 of IC. Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la partie 15 des règles de la FCC & de RSS 210 des Industries Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

RF Exposure

WARNING: The Communications Module must be installed to provide a separation distance of at least 20 cm from all persons.

Honeywell

2 Corporate Center Drive, Suite 100
P.O. Box 9040, Melville, NY 11747
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