

GX-450 Installation Guide

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Parts Needed

1. GX-450 Modem and Installation Kit
2. Active SIM card
3. CM-MOBILE-30S (if needed)
4. M8 X 20 Hex bolt
5. M8 Washer
6. Wire Split Loom
7. Cable Ties



Modem and Installation Kit

Installing Sim Card

1. Remove screws on top of modem. (Figure 1)
2. Remove Brass nut and washer on SMA connector (Figure 2)
3. Lift off cover (Figure 3)
4. Install SIM card in slot using a standard size SIM.(Figure 4)
5. Replace cover, brass washer and nut and top cover screws
6. Cell reception (RSSI) can be found in Starfire>RTK setup page in the Noise level field. Lower the number the better



Figure 1



Figure 2



Figure 3



Figure 4

Installing Modem

1. Install cab bracket onto GX-450 Modem (Figure 5)
2. Attach GPS antenna, Cell Antenna and Starfire cable to modem (Figure 6)
3. Mount Modem bracket to back corner post of cab with M8 x 20 bolt and washer



Figure 5



Figure 6

Installing Antenna

1. Install Antenna mount plates to RH & LH side of cab roof bolt
2. (Figure 7)
3. Place Cell Antenna on LH cab mounting plate making sure the base of the antenna is tight and the set screws are tight as well
4. Place GPS Antenna on RH cab mounting plate



Figure 7

Installing Wiring

1. Install receiver cable into Starfire receiver and run the cable along side the antenna cable's and down the back RH side of cab (Figure 8)
2. Tie these cables together where needed and use wire split loom if necessary
3. Bring wiring through back of cab and through grommet.
4. Spool any extra wire that may be present at modem.
5. For Combine installation see our S-Series installation guide for JDM-150 and adapt where necessary



Figure 8