

XATA Application Module (XAM) Installation to a VIMX4

XM-04xx PARTS LIST		
QTY	PART NO.	ITEM DESCRIPTION
1	SA-00xx-xx	XATA Application Module
4	HW-0010-11	Bolt, ¼-20 x 0.75"
4	HW-0010-12	Washer, ¼
1	CA-000x	XAM Drop Cable Assembly (shipped separately)
1	ME-0039-0x	XAM Mounting Bracket (shipped separately)
1	VK-032x	ORBCOMM Antenna Kit (shipped separately if required)

Plan the locations of the parts that make up the Onboard System

The Onboard System consists of these components: the XAM; the XAM Mounting Bracket; the Onboard Installation Kit; the XAM Drop Cable; the Driver Computer; and, if required, the ORBCOMM Antenna Kit (see the individual installation guides). The Drop Cable connects the XAM to the VIMX4 (from the Installation Kit). The wires or cable in the Electrical Kit connects Power, Ground, and Vehicle Signals to the VIMX4. The VIMX4 DC Cable connects to the Driver Computer. It is best to install the Installation Kit first, then the Driver Computer, and then the XAM.

XATA Application Module Location

1. The XAM must be mounted above any large metal surfaces. The XAM Mounting Bracket should be installed directly to the cab and positioned away from other Antennas on the cab. If the XAM has ORBCOMM communications see special mounting instructions in the ORBCOMM Antenna Installation Guide. Optional mounting brackets may be purchased from XATA. Figure 1 shows two typical mounting locations.
2. Securely fasten the XAM Mounting Bracket to the vehicle. Use lock washers on the bolts.
3. Securely fasten the XAM to the Mounting Bracket with the included bolts and washers.
4. Remove the protective cap on the XAM connector and connect the Drop Cable to the XAM. To keep moisture out of the connector it is very important that the cable is hand tighten securely and then using a pliers on the connector tighten the connector an additional 1/8th of a turn. The XAM connector has a Corrosion Preventive Compound on the contact pins.
5. Route the Drop Cable between the XAM and the VIMX4. Use an existing opening in the cab or drill a 7/8" hole and install the included grommet to protect the cable.
6. Secure the Drop Cable along the way with the included cable tie bases and cable ties. Clean and dry the area where the cable tie bases are placed. Stay away from sharp edges, moving parts, hot surfaces, tight bends, and cable stress. Do not damage the cable by over tightening the cable ties. Verify the Drop Cable does not interfere with the normal operation of the vehicle.
7. Connect the Drop Cable to the XATALink connector on the VIMX4 and hand tighten the connector securely. The XAM is now installed and it will power up.
8. To check the operation of the XAM the vehicle needs to be outside in an area with a clear view of the sky and the Driver Computer Service Parameters must be setup.
9. To check GPS operation touch the READY FOR NEW TRIP screen on the Driver Computer to display the following sequence of screens:

NEW-TRIP COMM-MSGS EXIT	SERVICE MESSAGES	DIAGNOSTICS CLEAN SET-UP ADJS	GNRL ENGIN SPEED EVNT FUEL GPST MEM BRAKE WCOM ATA	XID MEM ATA	STATUS:NORMAL LAT = 044° 46' 48.546" N LON = 093° 48' 08.120" W DATE:05-23 10:50:45
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10. Touch *SERVICE* on the screen shown at the left, touch *DIAGNOSTICS* on the next screen, then touch *GPST* on the Diagnostics Menu to display the GPS Status screen. The status line shows *INITIALIZING* or *OBC NO RESP* while the XAM is powering on and *BLOCKED* while the GPS is acquiring satellites. This can take up to seven minutes. The status should then change to *NORMAL* and a latitude / longitude reading should be displayed. If the status remains *BLOCKED* the XAM may not be properly positioned.

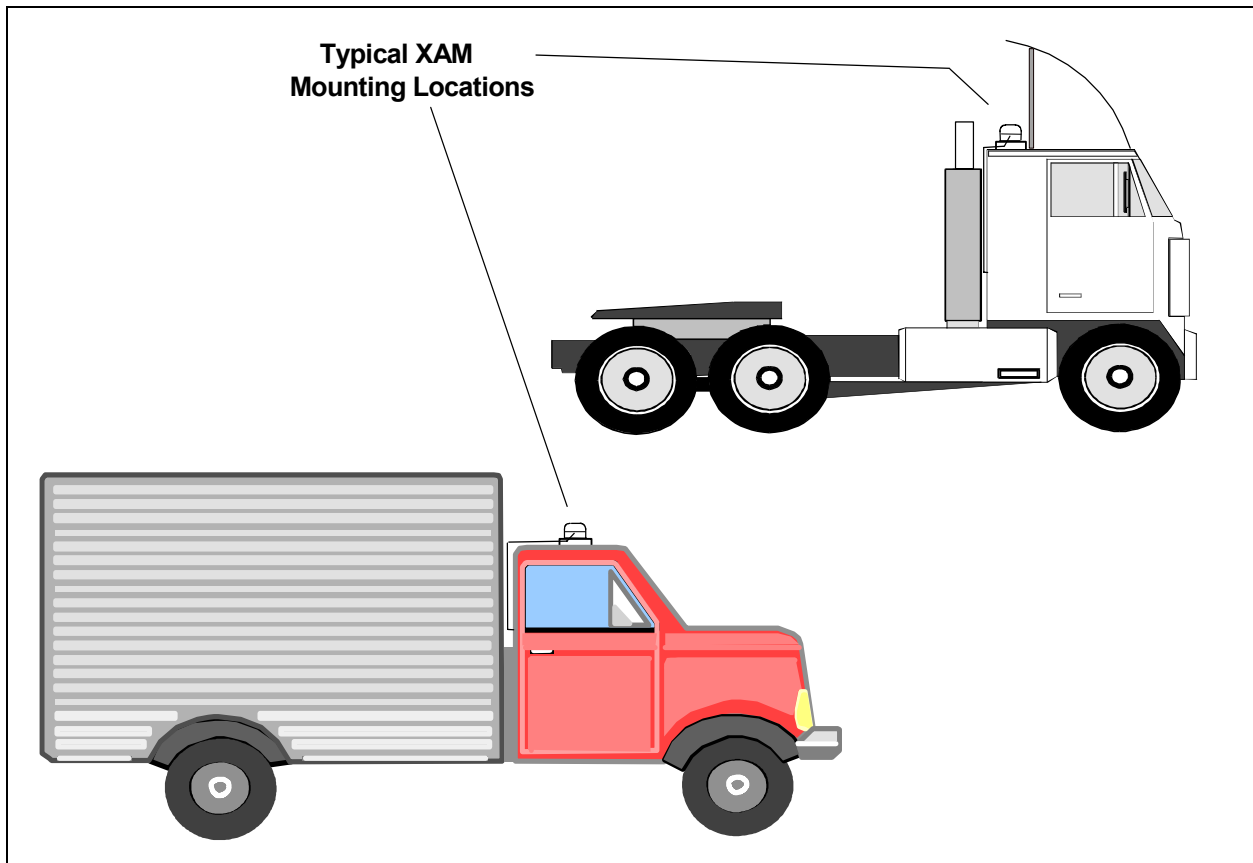


Figure 1. Typical XAM Mounting Location on Straight Truck and Tractor

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF Exposure Warning:

When installed as directed, this equipment complies with radiation exposure limits for general population/uncontrolled exposure. To ensure user's safety and to satisfy RF exposure requirements for mobile transmitting devices, this unit must be installed so that a minimum separation distance of 33 cm (13 inches) is always secured between the transmitting structure and the body of the user or nearby persons.

NOTE: This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.