Windjammer SS/IV/V, Windstar Mounting Instructions
Yamaha
1981-82 XJ 550 Maxim

**warning**

THE HARDWARE DESCRIBED IN THIS MANUAL WAS DESIGNED TO MOUNT THIS VETTER FAIRING TO THE MOTORCYCLE(S) DESIGNATED.

If you are unable to determine if this hardware is for your motorcycle, contact your dealer. If your dealer is unavailable, contact the Vetter Corporation, Customer Service Department, Rantoul, IL, 61866, (217) 893-9300. These instructions contain valuable information for future reference. They must be given to the customer.

**note:** This manual may cover several motorcycles and some illustration details may differ from your model. Please follow the instructions.

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**Prepare for Fairing Installation**

1. Put the motorcycle on its center stand.

2. Remove the seat by opening the storage compartment at the back of the seat and unhooking the two rubber straps. Lift and pull the seat towards the rear of the bike.

3. Remove the 8mm bolt at the back of the gas tank. Turn the petcocks to "on" position and remove the gas and vacuum lines. Pull tank up and towards the rear. Remove and set aside to prevent damage.

4. Remove the two phillips head screws in the headlight rim, disconnect and remove the headlight.
Electrical Connections

1. Route the wiring harness between the frame and the engine.

2. Remove the two 6mm rear and remove the horn from the frame and

3. Disconnect the horn wires and remove the horn from the frame and

4. Reconnect the two wires upon removal of the

5. Move the accelerator. Reconnect some wiring to remove

6. Disconnect the dashmeter and speedometer cables at the instrument.

7. Disconnect clutch cable from engine. Pull towards front of bike.

8. Remove the yamaha name plate.

9. Remove the two 6mm nuts holding the headlight to the headlight.

10. Remove the two 6mm nuts and replace the two 6mm nuts and

11. Disconnect the two 6mm nuts and replace the two instruments and

12. Set aside for now.

Note: It will be necessary to disconnect some wiring to remove

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2. Connect the remaining wires following the color code below:

<table>
<thead>
<tr>
<th>Fairing Wire</th>
<th>Function</th>
<th>Bike Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>High Beam</td>
<td>Yellow</td>
</tr>
<tr>
<td>Yellow</td>
<td>Low Beam</td>
<td>Green</td>
</tr>
<tr>
<td>Black</td>
<td>Ground</td>
<td>Black</td>
</tr>
<tr>
<td>Violet</td>
<td>Left Turnsignal</td>
<td>Brown</td>
</tr>
<tr>
<td>Blue</td>
<td>Right Turnsignal</td>
<td>Dark Green</td>
</tr>
<tr>
<td>Green</td>
<td>Running Lights</td>
<td>Light Blue</td>
</tr>
<tr>
<td>Red</td>
<td>Lighter (Option)</td>
<td>Light Brown</td>
</tr>
<tr>
<td>Brown</td>
<td>Windjammer (horn opt)</td>
<td>Battery Wire (+)</td>
</tr>
<tr>
<td>Orange</td>
<td>Windjammer (horn opt)</td>
<td>Pink</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Windstar 12V Unswitched</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Windstar 12V Switched</td>
</tr>
</tbody>
</table>

**Caution**

The orange, brown and red fairing wires are connected as above only for the accessories listed. Any wiring not used should be covered at the end with electrical tape. If you decide to use these wires for other accessories, make sure your motorcycle's electrical system will tolerate the extra current demand.

Due to the limited charging abilities of the 550cc and smaller motorcycles, it may be necessary to disconnect the running lights if the battery doesn't maintain a charge. This company does not recommend the optional quartz headlight on small motorcycles for the same reason.

Plug the male bullets into the appropriate female connectors. Gently pull all connectors to make sure they are tight. If not, crimp the outside of the connectors with wire crimpers or pliers after the connection is made.

For wires without connectors, use the provided blue connectors as shown. (Illus. 2)

- Snap the blue connector over the appropriate motorcycle wire.
- Insert the appropriate fairing wire into the other hole. The wire will not go all the way through the connector.
- Squeeze the metal tab down flush with the top of the connector.
- Fold the plastic lid down and snap it shut.

3. Compress all the wiring into a tidy bundle and insert it into the black vinyl bag. Cinch up the drawstring and tie the excess around the bag and the hydraulic brake line. Sit the bag upside-down to keep water out.
1. Remove the two side reflectors and their shrouds located on the frame downtubes by removing the four Phillips head screws.

2. Position (Illus. 3) the bracket on the frame as shown. (Illus. 3) Leave the clamps four nose clamps as shown.

3. Fit the lower saddle pads with frame as shown. (Illus. 3)

4. Fit the backing plate be-

5. Install the 8x32mm bolt, two tightening the bracket and backing through the bracket and backing plate. (Illus. 3) Do not tighten. Fit the frame to a level. If adjustment is required, turn the motorcyte forward or backward from the motorcyte view.

6. Check bracket for part.

7. Tighten all hose clamps.

8. Reconnect the tachometer and speedometer cables at the instruments.

9. Cut or tie the wires.

Where damage could occur, use a bracket or backing plate to prevent wires from coming in contact with the mounting bolt as-

Positioning (Illus. 4) tap the bracket to a level if adjustment is required, front or back. Turn the motorcycle to the direction of the view.

At this time, please (Illus. 3) do not tighten the backing plate. (Illus. 3) Do not punch the frame when installing the wires with the back-

Warning

Due to the design of this particular bracket, it should not be cut or altered in any manner to accept any type of engine guard. For detailed information on the use of engine guards with this hardware, consult page 2 of the owner’s manual.
9. Route the clutch cable on the outside of the lower crosstubes and reconnect. (Illus. 5)

10. Remount the horn in the stock position and reconnect the wires.

**warning**
FOR YOUR OWN PROTECTION, USE ALL PROVIDED MOUNTING CLAMPS AND CHECK THEM PERIODICALLY FOR TIGHTNESS.

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**Mount the Fairing**

**WJ SS/IV only:**
If you are planning to install Vetter color inserts, they should be applied before the fairing is mounted.

**note:**
If you are installing the optional horn kit, refer to the instructions packaged with the kit.

1. Set the fairing on the mounting bracket. Install four mounting bolts through the holes and install washers and locknuts on the bolts. (Illus. 6)

2. Before tightening the nuts, plug the external wire harness into the fairing at the serial number plate. Check all electrical components before continuing. Refer to the Troubleshooting section of your Owner's Manual if problems arise.

3. Now tighten the four bolts enough to slightly compress the neoprene washers.
Warning

In the manual for future reference, we suggest you insert these instructions and final adjustments. Refer to your owner's manual for windshield mounting instructions and installation.

1. Remove the fork slider as shown.
2. Install each assembly on the fork stubs provided.
3. Fit the provided reflectors.
4. Place the provided nuts provided.
5. Insert each assembly on the fork stubs provided.

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