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# Windjammer SS/IV/V, Windstar Mounting Instructions

## YAMAHA

### 1981-82 XJ750 Seca, Maxim

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

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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, Illinois 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 yours. Follow the instructions.

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## Prepare for Fairing Installation

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1. Put the motorcycle on its center stand. Remove the seat and gas tank to prevent damage and facilitate assembly.
2. Remove the two phillips head screws in the nacelle and remove the headlight.
3. Disconnect all wiring block connectors inside the nacelle.
4. Remove the two 8mm bolts holding the nacelle to the headlight stays and the 6mm headlight adjustment bolt located at the bottom of the nacelle.

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**Vetter**

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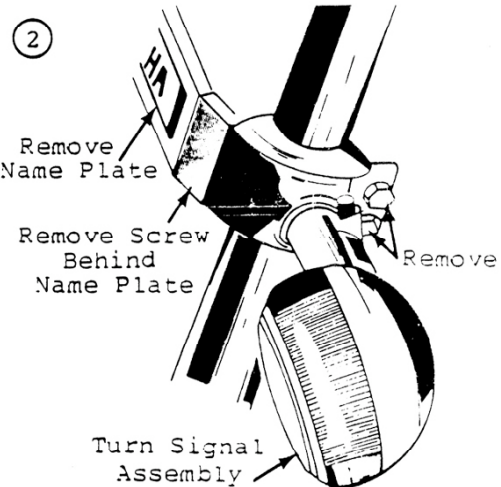
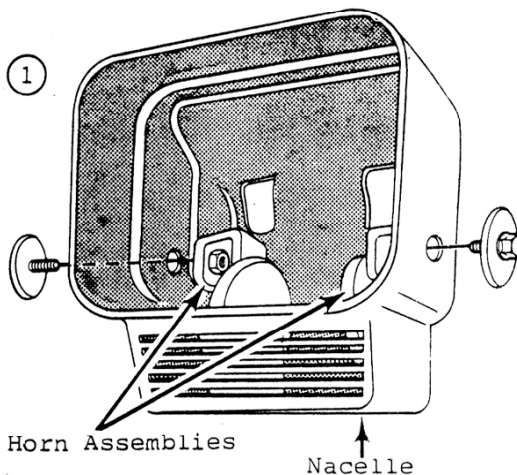
**Seca only:**

Remove the horn assemblies from the nacelle.

**Maxim only:**

Remove the horn assemblies from under the gas tank.

5. Remove the nacelle, pushing the wires out the back. (Illus. 1)
6. Remove the 8mm nut and lock washer which hold the auxiliary light in place. Remove it from it's bracket.
7. Remove the two phillips head screws which hold the Yamaha nameplate, and remove nameplate.
8. Remove the allen screw and two 8mm bolts holding each turnsignal assembly, then remove the turnsignals. Reinstall the two 8mm bolts in the triple clamp and tighten to factory specifications. (Illus. 2)
9. Disconnect the tachometer cable at the instrument and let it hang for now.




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## Electrical Connections

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1. Refit all the wiring block connectors to their original counterparts.
2. Route the Vetter wiring harness between the frame and left fork tube. Attach the 3-prong plug in the harness to the motorcycle's headlight socket.

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

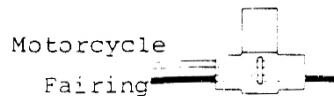
<u>Fairing Wire</u>	<u>Function</u>	<u>Bike Wire</u>
White .....	High Beam .....	Yellow
Yellow .....	Low Beam .....	Green
Black .....	Ground .....	Black
Violet .....	Left Turnsignal .....	Brown
Blue .....	Right Turnsignal .....	Dark Green
Green .....	Running Lights .....	Light Blue
Red .....	Lighter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

**caution**

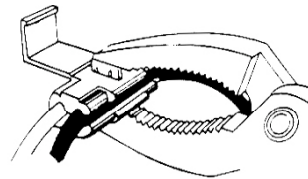
THE ORANGE, BROWN AND RED FAIRING WIRES ARE CONNECTED AS ABOVE ONLY FOR THE ACCESSORIES LISTED. ANY WIRING NOT USED SHOULD BE COVERED AT THE ENDS WITH ELECTRICAL TAPE. IF YOU DECIDE TO USE THESE WIRES FOR OTHER ACCESSORIES, MAKE SURE YOUR MOTORCYCLE'S ELECTRICAL SYSTEM WILL TOLERATE THE EXTRA CURRENT DEMAND.

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. 3)



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- 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.
4. Cover all the wiring connectors with the black vinyl bag supplied. Cinch up the drawstring and place the bag upside down to keep water out. Hook two ty-raps end to end and secure the bag to the wire harness going into the instrument panel.

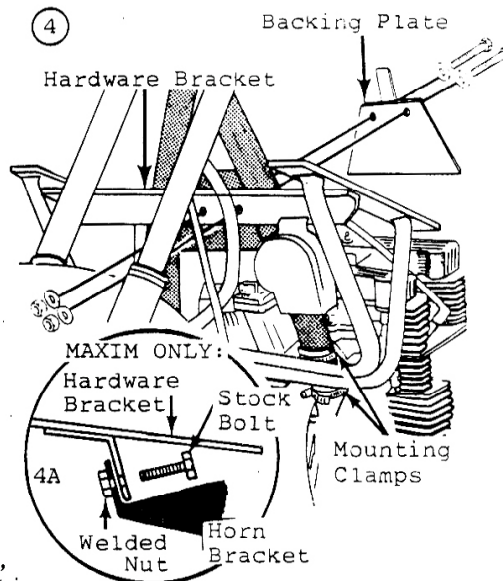
## Install Mounting Bracket

For detailed information on the use of engine guards with this hardware, consult page 5 of your Fairing Owner's Manual.

### **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.

1. Fit the lower frame down tubes with the supplied mounting clamps.
2. Position the hardware bracket on the frame as shown and secure it in place with the mounting clamps. (Illus. 4)
3. Fit the supplied backing plate behind the frame being careful not to pinch or bind any wires.
4. Install the 8 x 60mm bolts and flat washers through the backing plate and hardware bracket as shown. Do not tighten yet.
5. Check the bracket for horizontal alignment by viewing it from directly in front of the motorcycle. If adjustment is necessary, tap the bracket into a level position.
6. Tighten the four lower hose clamps securely. Then, tighten the two 8mm backing plate bolts.
7. Reconnect the tachometer cable at the instruments.



### **Seca only:**

Using the supplied 8x20mm bolts, flat washers and lock washers, install the horns using the provided holes in the crossbar. Reconnect the wires using the four provided extension wires. (Illus. 4)

### **Maxim only:**

Install the right horn on the left side of the crossbar as shown. (Illus. 4A) Repeat for the opposite side and reconnect the wires.

### **warning**

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

## Mount the Fairing

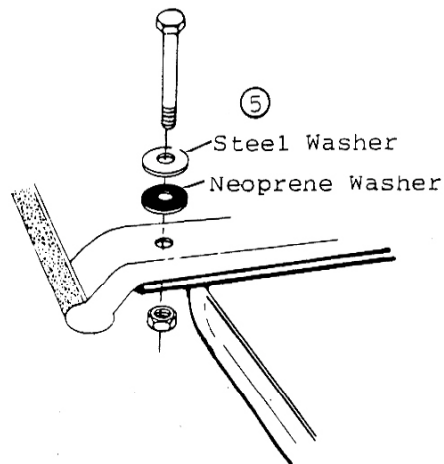
### **WJ SS/IV only:**

If you are planning to install the optional 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. Prepare the four 6 x 35mm bolts with the steel and neoprene washers as shown. (Illus. 5)
2. Set the fairing on the mounting bracket and secure it with the prepared bolts and four locknuts.
3. 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.
4. Tighten the four nuts enough to slightly compress the neoprene washers.



### **warning**

AFTER INSTALLATION, THE FAIRING OR BRACKET MUST NOT INTERFERE WITH ANY PART OF YOUR MOTORCYCLE. CHECK THE AREA BETWEEN YOUR MOTORCYCLE FORKS AND THE FAIRING FOR CONTACT AT ANY POINT (CABLES, HORNS, ETC.) WHILE TURNING THE HANDLEBARS COMPLETELY FROM SIDE TO SIDE.

Refer to your Owner's Manual for windshield mounting instructions and final adjustments. We suggest you insert these instructions in the Owner's Manual for future reference.

USE THIS SCALE TO CHECK BOLT AND WASHER DIMENSIONS

