

# Windjammer

## Introduction

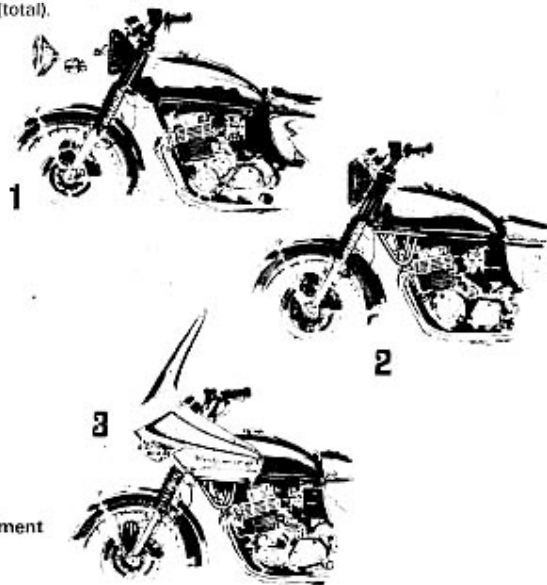
The Vetter **Windjammer** is an exciting and dramatic step forward in the motorcycle Revolution. The fairing we spent almost two years Designing; Developing; and Testing — (3) three working prototypes; 12,000 on the road test miles (four different bikes); months of prototype production and customer evaluation. We know fairings and **Windjammer** is a design breakthrough, a legend in its time. No fairing has ever offered a rider and his machine more. Protection; Comfort; Storage Space; Styling; Plug in Electrics; Easy Installation; one piece Frame Mounting—its all there. Every **Windjammer** has it built in by Vetter, the name that means design and quality.

Motorcycle fairings will never be the same again because **Windjammer** has introduced a New Age. **BOLT IT ON, PLUG IT IN — DISAPPEAR.** We believe it's a lot more than a motto, it is the Revolution.

## GENERAL MOUNTING CONCEPTS

The **Windjammer** fairing is installed in (4) four basic operations. Initial installation will require 60-90 minutes (total).

1. **Electrical Hookup**
  - a. Remove headlamp
  - b. Splice in **Windjammer**
  - c. Relocate turnsignals
  
2. **Bracket Installation**
  - a. Position mounting bracket
  - b. Alignment
  - c. Secure bracket
  
3. **Fairing Installation**
  - a. Position on bracket
  - b. Bolt down
  
4. **Component Assembly and Adjustment**
  - a. Windshield installation
  - b. Circuit test
  - c. Headlight adjustment

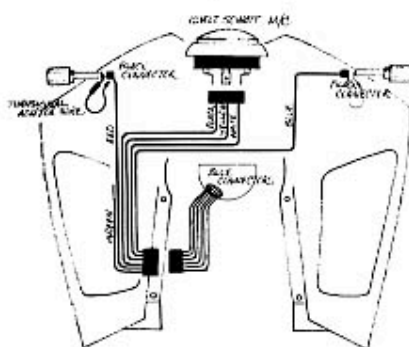


# General Instructions

## Windjammer

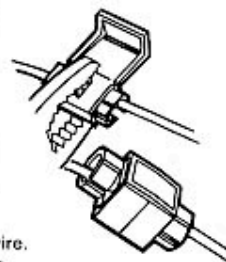
### A. The Electrical System

1. Remove the Sealed-Beam headlamp.
2. Disconnect the right and left turnsignal wires.
3. Unbolt and remove the turnsignal assemblies.
4. Unplug the Windjammer wiring cable (fairing umbilical cord).
5. Route the cable into the back of the headlight nacelle.
6. Splice the Windjammer cable into the bike's electrical system. Use the blue clip on connectors.



#### Color Code Windjammer Wiring

White (high beam)  
 Yellow (low beam)  
 Black (ground)  
 Red (left turnsignal)  
 Blue (right turnsignal)  
 Green (accessory take-off)



- a. Slide the blue connector over the bike wire.
- b. Insert the appropriate Windjammer wire.
- c. Crimp the connector with pliers.
- d. Lock the connector by snapping the flexible tab into place.

(Note: The Windjammer wiring harness contains one extra wire. It provides a convenient method for connecting additional electrical accessories. Please disregard the green accessory wire unless you need an auxiliary electrical hookup.)

7. Mount the turnsignal units in the fairing.

- a. Remove the plastic turnsignal lens.
- b. Insert the turnsignal assemblies in the fairing receptacles.
- c. Connect the two (2) ground wires inside the fairing (black wires with loops).
- d. Tighten the turnsignal units—use the provided metric nuts and washers. (Note: twist the turnsignal "arm" from the outside.)



#### Windjammer Colors

Blue (right turnsignal)  
 Red (left turnsignal)

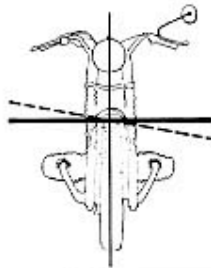
8. Replace the plastic lens covers.

9. Plug the turnsignal wires into the Windjammer cable (black plastic connectors).



## B. The Mounting Bracket: Installation

1. Position the bracket on the frame down-tubes below the steering head. (**Note:** Turn the front wheel and slide the bracket up into position.)
2. Secure the bracket *loosely* to the frame members with hose clamps.
3. Align the mounting bracket on the frame.



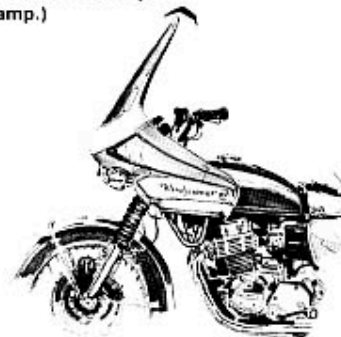
- a. Stand in front of the bike.
- b. Check bracket for horizontal alignment.
- c. Adjust as necessary to level bracket.



4. Tighten hose clamps. (**Note:** The down-tube clamps should be secured before center clamp.)

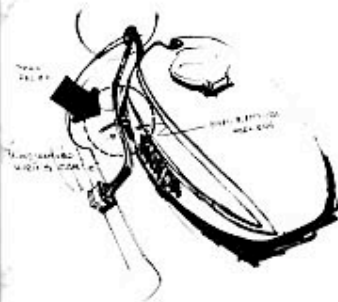
## C. Installing the Fairing

1. Slide the fairing onto the mounting bracket "rails."
2. Attach the fairing to the mounting bracket with four (4) 1/4" bolts (**Note:** The bolt assemblies must be installed so the flat washer is against the fiberglass. Do not over-tighten.)

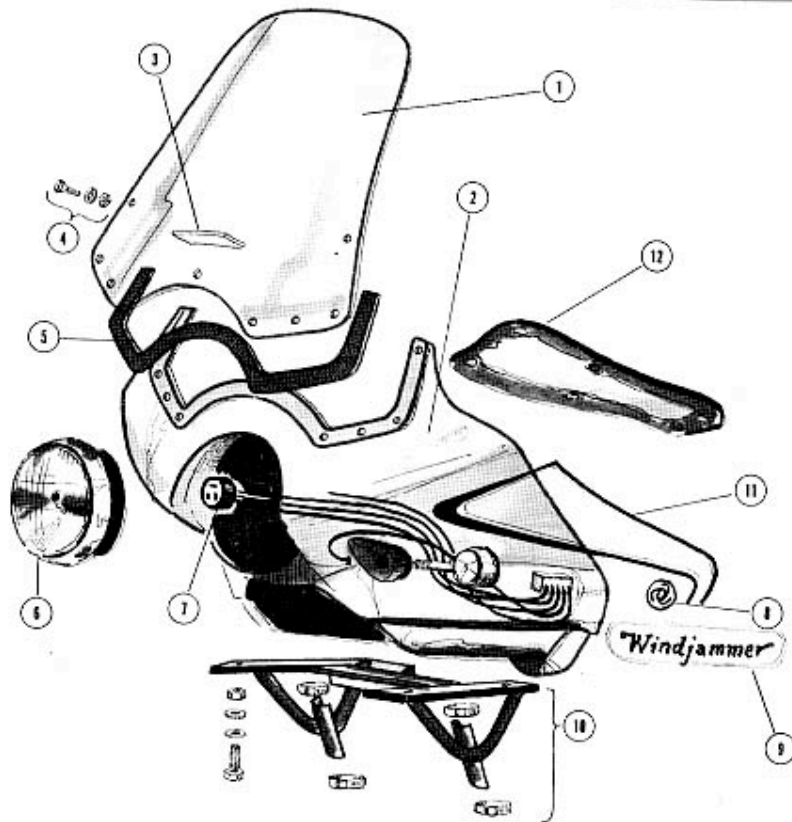


## D. Component Assembly and Adjustment

1. Position the windshield on the fairing and install the nylon windshield bolts. (**Note:** Windshield bolts should be **finger tight only**—overtightening will generate excessive stress and cause the plexiglas to fracture.)
2. Plug the Windjammer wiring harness (umbilical cord) into the fairing receptacle.
3. Attach strain relief (large plastic TY-RAP) to Windjammer wiring cable.



- a. Check the nylon plug-receptacle for correct alignment.
  - b. Cinch the Ty-Rap *loosely* in position (See Diagram).
  - c. Adjust the Windjammer cable so it will move freely with the headlight nacelle-forks, but does *not* pull/or wiggle the nylon plug.
  - d. Cinch the Ty-Rap tightly.
4. Check the headlight and turnsignal circuits to insure proper wiring installation and hookup.
  5. Adjust the handlebars and mirrors, if necessary, to provide clearance for maximum turning radius.
  6. Aim the Windjammer headlight for **correct** and optimum lighting.
    - a. Remove the chrome bezel that rings the headlight.
    - b. Adjust the two (2) aiming screws as necessary for up and down, left to right alignment.
    - c. Replace the bezel. (**Note:** If the Sealed-Beam lamp should fail or break, it can be replaced with a standard 7 inch, 12 volt automobile lamp available at gas stations, parts stores, etc.)



### Vetter Windjammer Replacement Parts List

Key No.	Description	Quan.	Price
1	Windshield, clear, includes nylon bolts	1	\$ 18.00
2	Fibreglass shell	1	\$106.00
3	Vetter nameplate	1	.60
4	Nylon bolt package	1 pack	.75
5	Anti-squeek windshield foam	1	\$ 1.00
6	Sealed-beam headlight assembly	1	\$ 18.25
7	Wiring harness complete	1	\$ 6.40
8	Vetter trademark decals	2	.50 pr.
9	Windjammer decals	2	.50 ea.
10	Hardware package — state motorcycle	1	\$ 24.50
	Pocket edging — vinyl channel (not shown)	2	\$ 1.20 ea.
<b>OPTIONS (Replacement)</b>			
	Tinted windshield—light olive color	1	\$ 24.00
11	Graphics Package	1	\$ 8.25
12	Tonneau Cover Set (2)	1 set	\$ 9.00
	Snap Vents (2) (Not shown)	1 set	\$ 9.25
	Vetter T shirts		\$ 4.00