

Windjammer® III

**General
Mounting
Instructions
and
Owner's
Manual**

© Vetter Faring Co., Inc.
September 1, 1975



Vetter

Vetter Faring Company
Rantoul, Illinois 61066 Telephone 217-593-0300

Windjammer III

THEORY OF OPERATION

The Windjammer III continues all the design features which have characterized the Windjammer Fairing Series. Our frame mount system increases the stability of the motorcycle at highway speeds by putting the weight of the fairing on the motorcycle frame. Monocoque construction is another of the design features of the Windjammer III. Two shells, bonded together, give structural strength that cannot be matched by a handlebar type fairing. In addition, this type of construction offers long smooth lines which develop little wind resistance, and the side pockets which can hold many trip essentials. Tonneau covers are available as an option to close off the storage compartments and make them completely private.

Standard features of the Windjammer III are the seven inch sealed beam unit, side reflectors, and chrome side edging. The seven inch sealed beam unit completes the look of the fairing and can be easily replaced with either a standard automotive type headlamp or our optional Carello headlamp. Our Carello unit has been tested by our company and has been in use on many fairings for some time. We and many of our customers have found it much more illuminating for night driving than most other motorcycle headlamps. Side reflectors increase the visibility of the motorcycle at night. They can be replaced with our Side Lamp option for even greater visibility at night. Chrome side edging, another of our standard features, protects the sides of the fairing when the motorcycle is dropped or scrapes the side of a building. It is easily replaced.

We have a number of other options available which increase the convenience of the Windjammer III. The Reflective Gold Scotchlite Striping emphasizes the lines of the fairing and lets you be seen in the light of a car headlight. We now have an optional Cigarette Lighter placed in the dash area of the fairing.

For those riders who wish to mount a crashbar with their fairing, we offer the crashbar kit and special mounting instructions. If you are mounting a crashbar with your fairing, you should be sure to check before modifying the bracket to see that the crashbar and mounting bracket will not interfere with each other. The crashbar kit is necessary to restore lost strength to the modified mounting bracket.

We here at the Vetter Fairing Company are involved in making the motorcycle an efficient, comfortable means of transportation. This is the idea which originated the Windjammer fairing series and some of the options and accessories which we, as a company, offer. We appreciate your comments and suggestions in this direction. Please feel free to contact us with any questions or recommendations that you may have.



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INTRODUCTION

Vetter's Windjammer series has been known throughout the motorcycle industry as the best road fairing produced. Now, with the introduction of the Windjammer III, the Vetter Fairing Co. has gone one step further in making your motorcycle a convenient and comfortable means of transportation.

The Windjammer series is a frame mounted fairing with monocoque construction. These two features offer the motorcycle rider greater stability and protection than the handlebar type fairing.

Options available for the Windjammer III include Tonneau Covers, Reflective Scotchlite Striping, Honda Striping, Snap Vents, Side Lamps, the Carello Halogen Headlamp; and our newest option, the Cigarette Lighter.

The Windjammer III is the result of many years of testing and a constant effort, by the Vetter Fairing Co., to improve our product and offer our customers the best motorcycle fairing.

Keep this manual in a safe place. It contains valuable information which you should have available for future reference.



Windjammer[®] III

UNPACKING

The Windjammer III consists of three main elements:

1. The Fairing Shell
2. The Windshield
3. The Mounting Assembly

The mounting assembly should be inspected prior to installing the fairing to insure all necessary parts are included. For your convenience, a parts list and illustrations have been supplied showing the standard parts included with each Windjammer III mounting kit. (Kits for specific motorcycles may include a number of other parts not listed here. Their use will be noted in your Special Supplementary Instructions.) Using the key numbers, check each part.

Keep your windshield and fairing out of the way while wiring your motorcycle and installing your mounting bracket, to prevent damage or scratching of those parts.

WARNING: Do not use a knife or other sharp object to open the fairing or windshield boxes. The heavy metal staples should be removed with care.

HOW TO USE INSTALLATION INSTRUCTIONS

1. Read the supplementary instructions that apply to your motorcycle. The supplementary instructions supply information for specific motorcycles which differs from the general mounting procedures. Therefore, as you follow the general mounting instructions, you must be able to refer back to the supplementary instructions at the appropriate times.

2. In order to refer to the supplementary instructions when necessary, you should mark in the first box those steps that appear in your supplementary instructions. For example, if your supplementary instruction sheet includes a step marked "5", you should mark that step in the General Mounting Instructions as follows:

5. ☒ ☐ Installing your motorcycle turnsignal stalks.

3. The second square is provided so that you can mark each step of the General Mounting Instructions as you complete it.

a) For example, if you have completed a step in the General Mounting Instructions which required referring back to the Supplementary Instructions, the boxes before that step would both be marked, as shown:

5. ☒ ☒ Installing your motorcycle turnsignal stalks.

b) If you have completed a step in the General Mounting Instructions which did not require reference back to the Supplementary Instructions, only the second box would be marked:

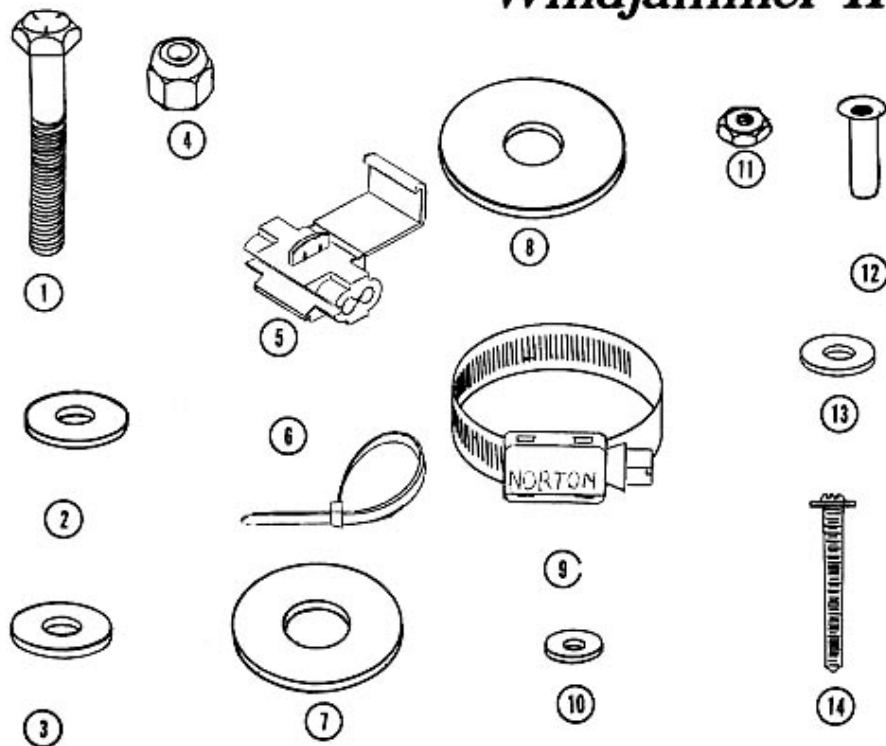
5. ☐ ☒ Installing your motorcycle turnsignal stalks.

This is the best method we have found for insuring a quick and accurate fairing installation. In addition, this should help prevent improper installation, which can void your warranty.



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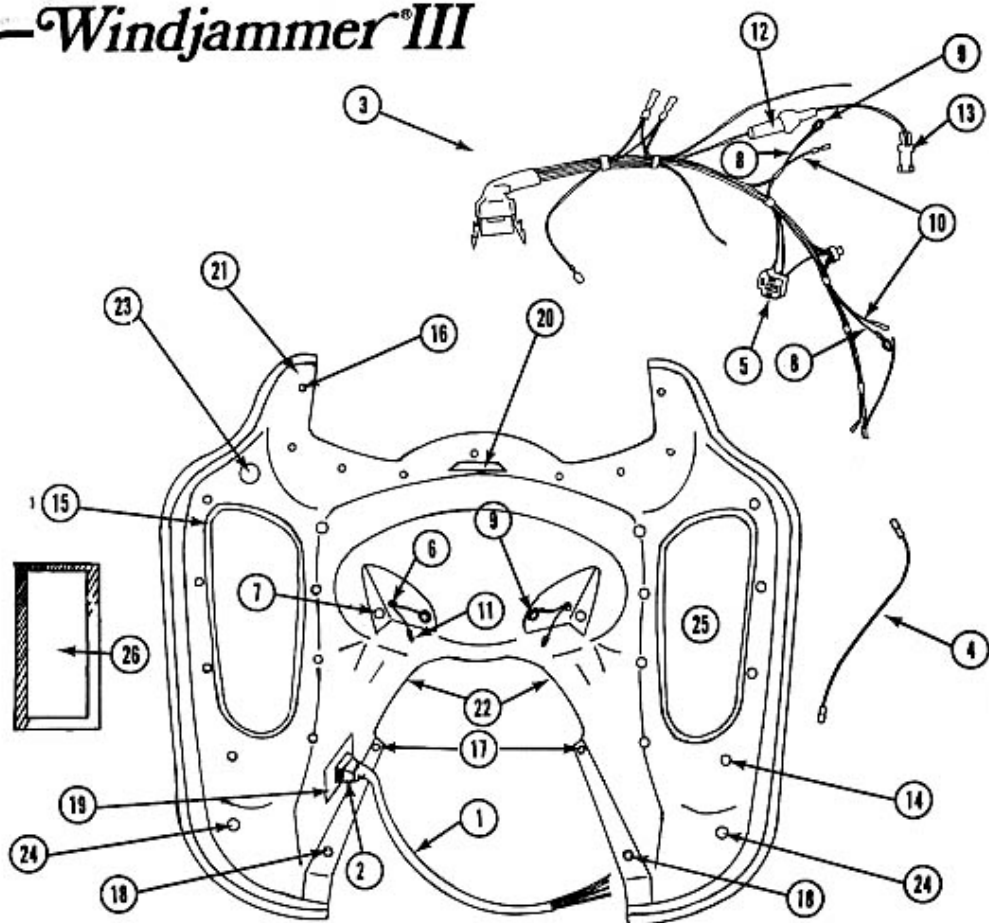


PARTS LIST

Key No.	Part No.	Pieces Per Kit	Description
1	0446	4	1/4-28x 1 1/2 bolt (M6 x 40)
2	0236	4	1/4" steel washer (M6 x 22)
3	0485	4	5/16" rubber washer (M8 x 22)
4	0230	4	1/4-28 locknut (M6)
5	0148	6	blue electrical connector
6	0454	2	ty-rop
7	0522	4	7/16" steel washer
8	0231	4	7/16" rubber washer
9	0209	4	No. 16 mounting clamp
10	0327	11	No. 10 nylon flat washer
11	0214	11	8-32 steelnut
12	0336	2	brass grommet
13	0323	2	1/4" nylon flat washer
14	0575	10	1 1/4" nylon bolt

NOTE: THE NUMBER 16 MOUNTING CLAMPS (part no. 0209) ARE NOT INCLUDED WITH THE HONDA 450, HONDA 350 IV, OR THE TRIUMPH 750 TRIDENT.

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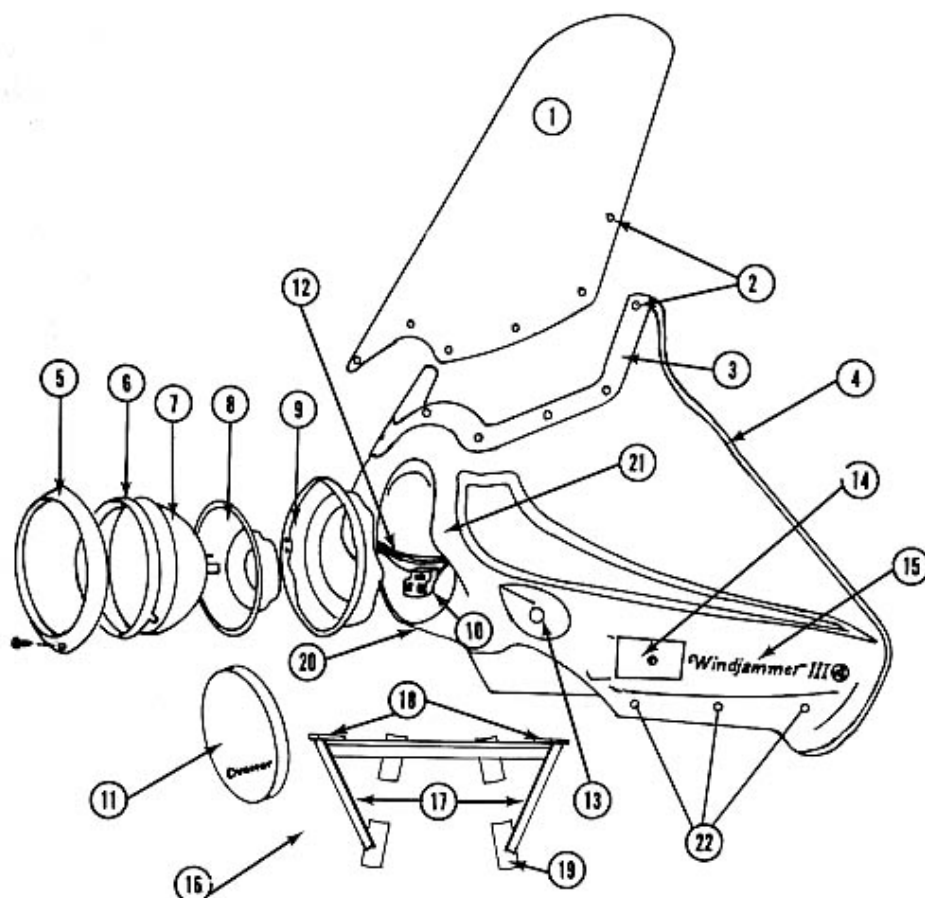


INTERIOR VIEW

- | | |
|--|---------------------------------------|
| 1. external wiring harness | 14. tonneau cover snaps |
| 2. external wiring harness male plug | 15. vinyl pocket edging |
| 3. internal wiring harness (factory installed) | 16. windshield mounting bolt holes |
| 4. running light extension wire | 17. front fairing mounting bolt holes |
| 5. headlamp female socket | 18. rear fairing mounting bolt holes |
| 6. turnsignal ground wire holes | 19. serial # plate |
| 7. turnsignal receptacles | 20. logo Vetter dash plate |
| 8. turnsignal groundwire | 21. ear |
| 9. turnsignal groundwire loop | 22. horseshoe |
| 10. turnsignal connector wire | 23. cigarette lighter receptacle |
| 11. turnsignal connector wire female socket | 24. Windjammer Lower Mounting holes |
| 12. Fuse | 25. fairing pocket |
| 13. Cigarette Lighter Connection | 26. owner's kit and warranty card |



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NOMENCLATURE GUIDE (EXTERIOR VIEW)

- | | |
|-----------------------------------|---|
| 1. windshield | 12. internal wiring harness (factory installed) |
| 2. windshield mounting bolt holes | 13. turnsignal receptacle |
| 3. black windshield foam tape | 14. side reflector |
| 4. chrome vinyl edging | 15. Windjammer III/logo decal (white or black) |
| 5. headlamp outside rim chrome | 16. hardware mounting bracket |
| 6. headlamp inside rim chrome | 17. bracket tubes |
| 7. headlamp seal beam | 18. bracket side rails |
| 8. headlamp mounting ring, black | 19. bracket mounting backplate |
| 9. headlamp housing | 20. chin |
| 10. headlamp female socket | 21. nose |
| 11. headlight nacelle vinyl cover | 22. Windjammer lower mounting holes |

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STEP BY STEP ASSEMBLY

NOTE: ALWAYS REFER TO YOUR VFCo SPECIAL SUPPLEMENTARY INSTRUCTION SHEET AS YOU FOLLOW THE GENERAL INSTRUCTIONS.

A. THE ELECTRICAL SYSTEM

1. ☐ Remove your motorcycle headlamp. Check the wire color code in your motorcycle. If it does not agree with the color code noted in the VFCo Special Supplementary Instructions, use the color code you find in your motorcycle. Write in your color code in the appropriate place in step 8.

2. ☐ Disconnect the right and left turnsignal wires. Note their locations and color in case the color code has changed. Use the space below to record this information.

BIKE'S	HEADLAMP'S
Left turnsignal wire	_____ wire
Right turnsignal wire	_____ wire

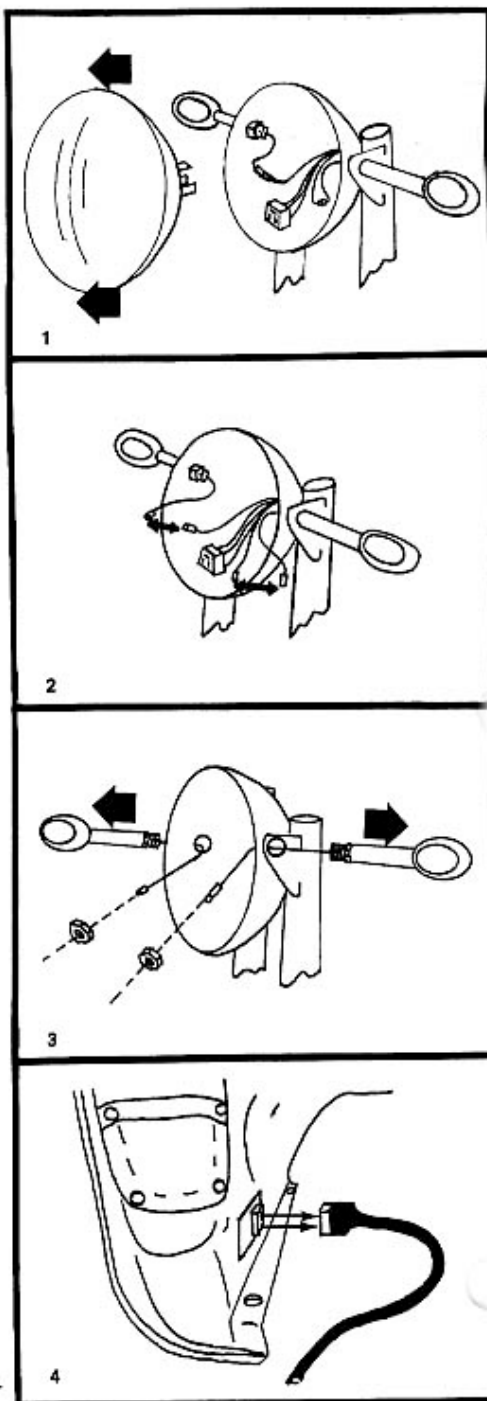
This will aid reassembly if you remove your Windjammer and reinstall your motorcycle headlamp.

3. ☐ Unbolt and remove the complete turnsignal assemblies.

NOTE: IF THE TURN SIGNAL UNITS WERE USED TO HOLD THE HEADLAMP NACELLE, USE THE BOLTS AND NUTS PROVIDED BY VFCo TO HOLD THE NACELLE IN PLACE.

4. ☐ Unplug the external wiring harness from your Windjammer at the serial number plate.

IF VETTER TURN SIGNAL STALKS ARE INCLUDED WITH YOUR MOUNTING KIT, PLEASE SKIP TO STEP 6.



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NOTE: REFER TO YOUR VFC^o SPECIAL SUPPLEMENTARY INSTRUCTION SHEET TO SEE IF YOUR PARTICULAR BIKE HAS ANY VARIATIONS TO THESE TURN-SIGNAL INSTALLATION INSTRUCTIONS.

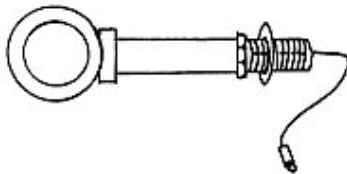
5. ☐ Installing your motorcycle turnsignal stalks

a. Slide a 7/16" steel washer onto the turnsignal stalk, making sure that the smooth side of the steel washer will be in contact with the rubber washer.

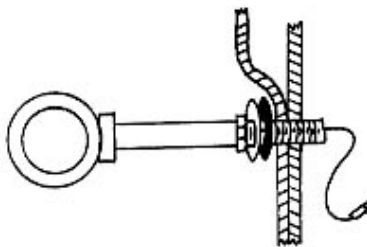
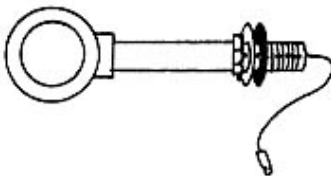
b. Slide a 7/16" rubber washer onto the turnsignal stalk and next to the smooth side of the steel washer.
NOTE: ONLY RUBBER WASHERS SHOULD BE IN CONTACT WITH THE FAIRING.

c. Insert the turnsignal stalk, with the steel and rubber washers through the fairing turnsignal receptacle.

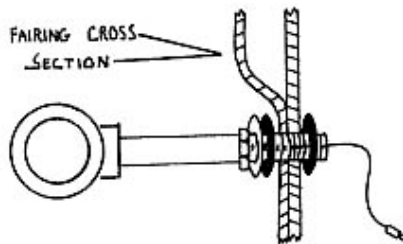
d. Slide a 7/16" rubber washer onto the turn signal stalk and next to the fairing.
NOTE: ONLY RUBBER WASHERS SHOULD BE IN CONTACT WITH THE FAIRING.



5a



5c



5d



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e. Slide a 7/16" steel washer onto the turnsignal stalk and next to the rubber washer. Make sure the smooth side of the steel washer is in contact with the rubber washer.

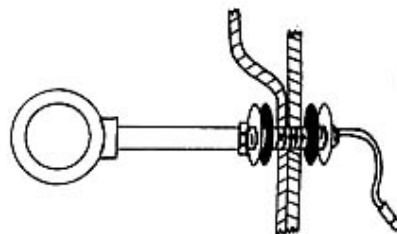
f. The turnsignal ground wire enters the fairing via the turnsignal ground wire hole. Slide the turnsignal ground wire's metal loop onto the turnsignal stalk and next to the metal washer.

g. Tighten nut onto turnsignal stalk.

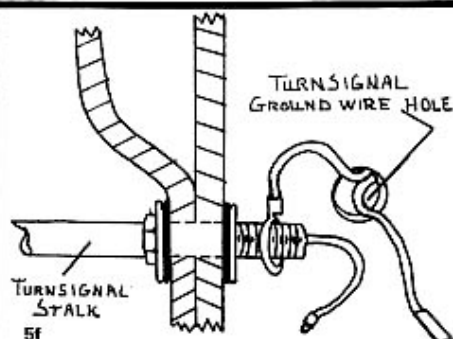
h. The turnsignal connection wire enters the fairing via the turnsignal ground wire hold. Insert the male plug located at the end of the turnsignal stalk wire into the turnsignal connector wire female socket. Pull gently to check for secure connection. Tuck any excess wire into the fairing through the turnsignal ground wire hole.

NOTE: FOLLOW SAME PROCEDURE FOR BOTH TURN SIGNALS

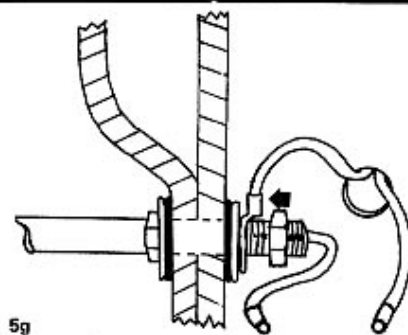
i. Skip step #6 — Vetter Turnsignal Stalks



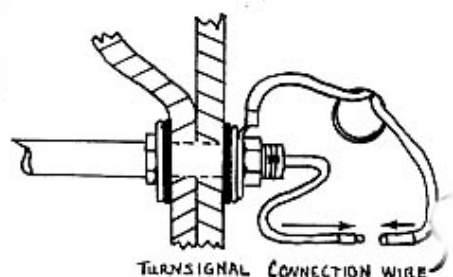
5e



5f



5g



5h



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NOTE: REFER TO YOUR VFCo SPECIAL SUPPLEMENTARY INSTRUCTION SHEET TO SEE IF YOUR PARTICULAR BIKE HAS ANY VARIATIONS TO THESE TURN SIGNAL INSTALLATION INSTRUCTIONS.

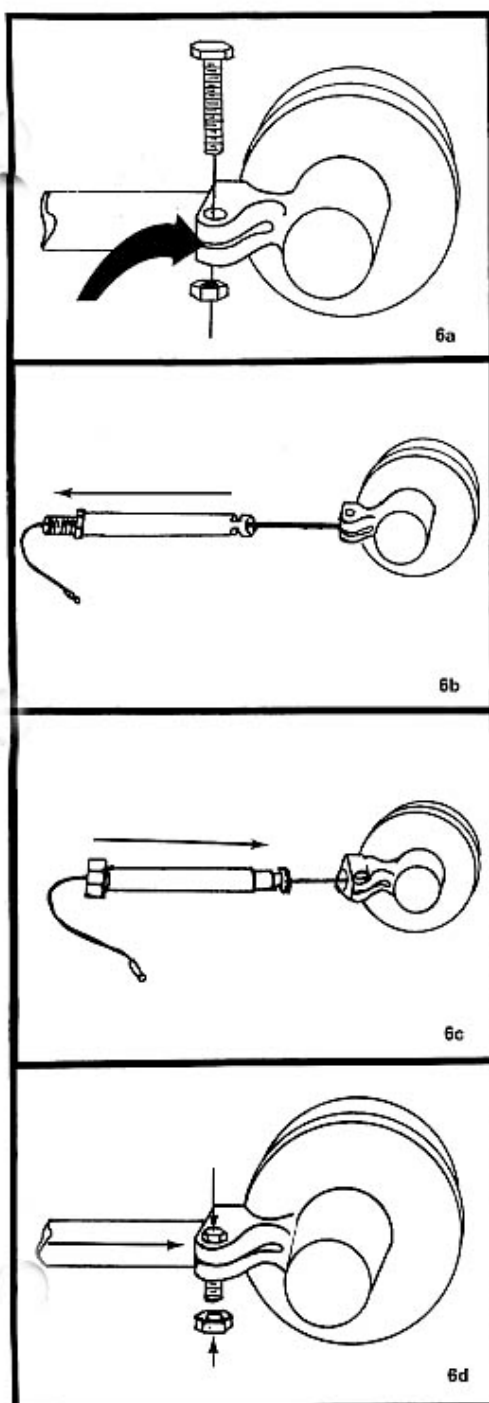
6. ☐ Vetter Turnsignal Stalks

a. Loosen and remove the bolt that holds the turnsignal stalk to the turnsignal bulb housing. If necessary, pry open the turnsignal housing with a screwdriver to loosen the turnsignal stalk.

b. Pull the turnsignal stalk out of the turnsignal housing, leaving the wire connected to the turnsignal housing.

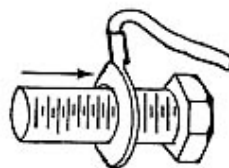
c. Insert the turnsignal wire through the Vetter turnsignal stalk.

d. Insert the Vetter turnsignal stalk into the turnsignal bulb housing. Replace and tighten the bolt that holds the turnsignal bulb housing to the turnsignal stalk.



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e. Slide the ground wire loop onto the hollow turn-signal bolt supplied with the VFCo turnsignal stalks.

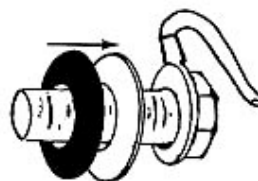


6e

f. Slide a 7/16" flat steel washer onto hollow bolt, making sure that the smooth side of the washer will be in contact with the rubber washer.

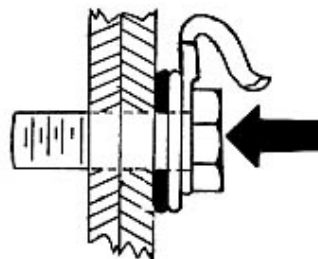
g. Slide a 7/16" rubber washer onto the hollow bolt, next the steel washer.

NOTE: ONLY RUBBER WASHERS SHOULD BE IN CONTACT WITH THE FAIRING.



6f and g

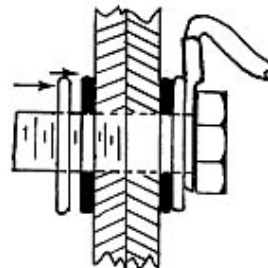
h. Insert the hollow bolt, with the rubber washer, steel washer and ground wire loop, into the fairing receptacle.



i. Slide a 7/16" rubber washer onto the hollow bolt, next to the fairing.

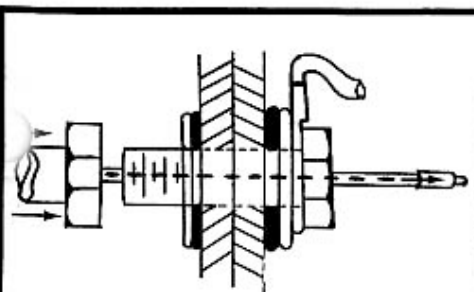
NOTE: ONLY RUBBER WASHERS SHOULD BE IN CONTACT WITH THE FAIRING.

j. Slide a 7/16" steel washer onto the hollow bolt, making sure that the smooth side of the steel washer is in contact with the rubber washer.

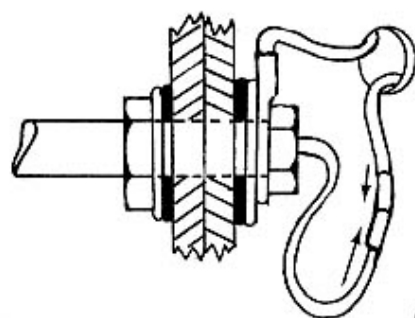


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6k



6l



7

WJIII WIRE COLOR CODE	FUNCTION	BIKE WIRE COLOR CODE
White	high beam	_____
Yellow	low beam	_____
Black	ground	_____
Violet	left turnsignal	_____
Blue	right turnsignal	_____
Green	running lights	_____
_____	cigarette lighter	_____
_____	spare acc. wire	_____
Orange	spare acc. wire	_____

8

k. Insert the turnsignal wire through the hollow turnsignal bolt. Screw the Vetter turnsignal stalk onto the hollow turnsignal bolt, and tighten the hollow turnsignal bolt.

l. The turnsignal connection wire enters the fairing via the turnsignal ground wire hole. Insert the male plug, located at the end of the turnsignal stalk wire, into the turnsignal connector wire female socket. Pull gently to check for secure connection. Tuck any excess wiring into the fairing through the turnsignal ground wire hole.

NOTE: FOLLOW SAME PROCEDURE FOR BOTH TURN SIGNALS

7. ☐ Route the external wiring harness into the back of the headlamp nacelle.

NOTE: FOR THE FOLLOWING "BLUE CONNECTOR SEQUENCE" IT IS NOT NECESSARY TO STRIP, SPLICE OR CUT ANY WIRES.

8. ☐ The blue connectors are used to connect the Windjammer III wires into the motorcycle's electrical system. This is done inside the headlight nacelle. Step 1 of the General Instructions directs you to fill in the below chart. Refer to this chart for wire color code information for your bike.

Two wires are available for accessory electrical connections. These are color coded TAN and ORANGE. Before making use of these extra connections for lighting or other accessories, be sure that your motorcycle battery will not be drained by the extra lighting or electrical accessory.

NOTE: BEFORE USING BLUE CONNECTOR, MAKE SURE THAT THE METAL TAB IS PULLED OUT FAR ENOUGH TO ALLOW INSERTION OF WIRE.

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a. Snap the blue connector over the appropriate bike wire. (See chart for your bike's color code.)

b. With the plastic tab pointing away from your body and the metal tab pointing up, lightly hold the blue connector between pliers, as illustrated. Make sure that the metal tab is not pressed into the connector at this step.

c. Insert the appropriate Windjammer III wire into the hole on the right side of the blue connector.

NOTE: THE WIRE WILL NOT GO ALL THE WAY THROUGH THE CONNECTOR.

Squeeze the metal tab down into the wires to make the connection.

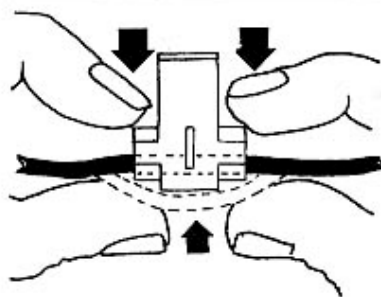
NOTE: THE METAL TAB MUST BE FLUSH WITH THE TOP OF THE BLUE CONNECTOR.

d. Lock the blue connector by folding the flexible plastic tab down until it snaps closed.

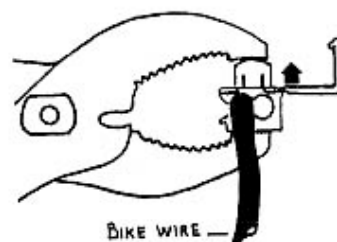
e. Pull gently to test for a secure connection.

f. Repeat same procedure for each Windjammer II wire.

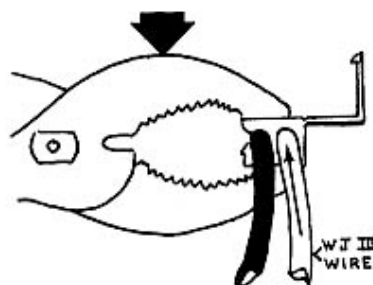
NOTE: IF NECESSARY TO CORRECT THE WIRING, DO SO BY UNSNAPPING THE LIP OF THE BLUE CONNECTOR AND, USING PLIERS, REMOVING THE METAL TAB. AFTER CHECKING THE WIRES, REINSERT THE METAL TAB AND SNAP SHUT THE BLUE CONNECTOR.



8a



8b



8c



8d



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9. ☐ ☐ Install the black headlamp nacelle cover. Use black electrical tape to secure the cover to the nacelle. The motorcycle headlamp is not replaced.

B. MOUNTING BRACKET INSTRUCTIONS

CRASHBAR NOTE: BEFORE MOUNTING YOUR WINDJAMMER III HARDWARE WITH A CRASHBAR, CHECK TO SEE THAT THE MOUNTING BRACKET CAN BE POSITIONED SECURELY ON THE FRAME WITHOUT INTERFERENCE FROM THE CRASHBAR:

(1) Mark the position of the upper crashbar mount against the motorcycle frame.

(2) Remove the crashbar and position the mounting hardware on the frame. The mounting hardware should clear all marks made that locate the upper crashbar mount.

NOTE: IF THE BRACKET LOOKS LIKE IT WILL FIT WITH THE CRASHBAR, CONTINUE INSTALLATION. IF IT IS OBVIOUS THAT THE MOUNTING BRACKET AND CRASHBAR CANNOT BE USED TOGETHER, DO NOT ATTEMPT TO MOUNT THE FAIRING WITH THE CRASHBAR.

OPEN LOOP TYPE CRASHBAR:

(1) Check to see that the mounting bracket and crashbar can be used together.

(2) Remove the crashbar from the motorcycle.

(3) Thread the crashbar through the side loops of the mounting bracket.

(4) Proceed to step 10 of the mounting bracket instructions.

CLOSED LOOP TYPE CRASHBAR:

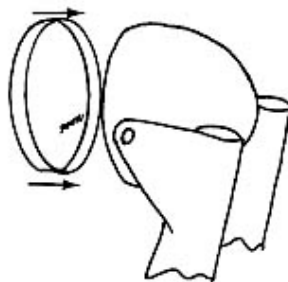
NOTE: FAILURE TO INSTALL A CRASHBAR KIT WITH A CLOSED LOOP CRASHBAR WILL VOID YOUR WARRANTY.

Crashbar kit includes two adaptor plates and four 1/4-28 x 1 1/2 inch (M6 x 40) mounting bolts.

(1) Check to see that the mounting bracket and crashbar can be used together.

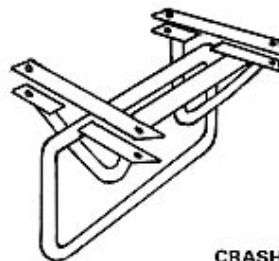
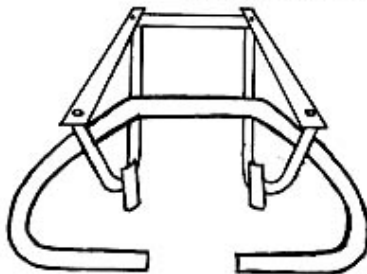
(2) Remove the crashbar upper mount.

(3) Leaving 1 inch between the rear mounting bolt hole and the cutout, cut spaces in the mounting bracket rails slightly larger than the diameter of the crashbar.



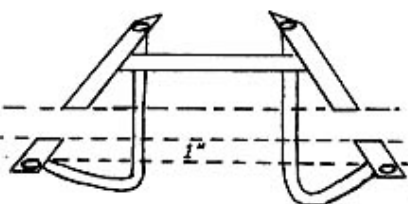
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OPEN LOOP CRASHBAR



CRASHBAR KIT

CLOSED LOOP CRASHBAR



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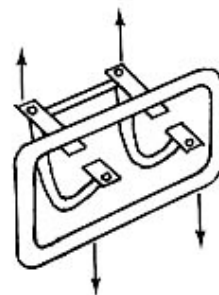
(4) As you position the mounting bracket on the frame downtube (as in step 10, Mounting Bracket Installation), slip the crashbar through the cutouts made in the bracket.

(5) Place the adapter plate on top of the hardware rail and tape them together to prevent them from sliding off later.

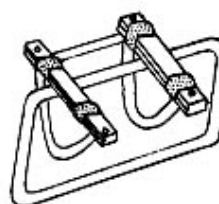
10. ☐ Turn the front wheel to the side and slide the bracket up along the frame. Position the bracket on the frame downtubes below the steering head.

11. ☐ Secure the bracket loosely to the frame members with the mounting clamps.

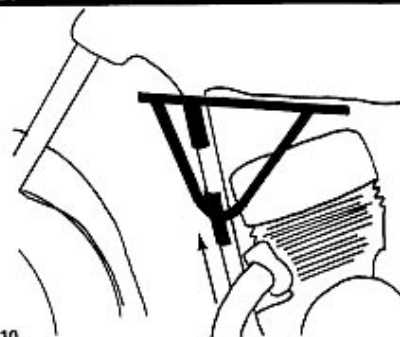
NOTE: FAILURE TO USE ALL MOUNTING CLAMPS PROVIDED MAY VOID YOUR WARRANTY.



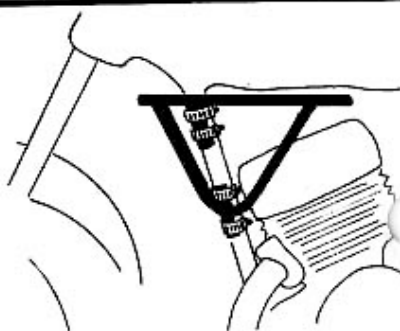
(4)



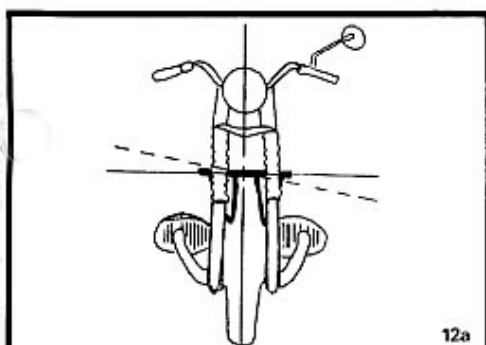
(5)



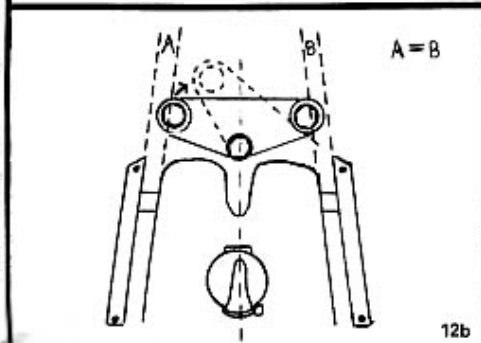
10



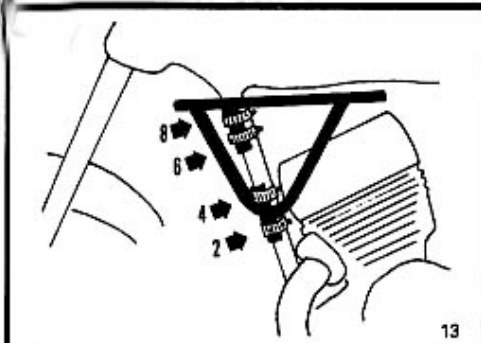
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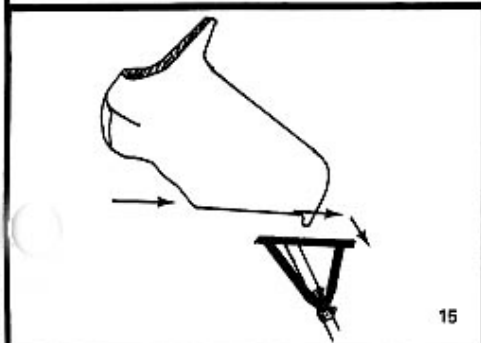
12a



12b



13



15

12. ☐ ☐ Aligning the bracket:

a. Check bracket for horizontal alignment by viewing hardware from front of bike. If adjustment is required, tap bracket to level position.

b. Stand on footpegs. Check bracket for centering with the bike and adjust as necessary. This is done by turning the handlebars to full lock, left and right, and tapping the mount until the spaces between forks and side braces of hardware are equal. When complete, be sure to recheck horizontal alignment as in step 12a.

13. ☐ ☐ Tighten the bottom mounting clamps first, then all others. Tight hardware is essential for proper Windjammer III installation.

NOTE: CHECK MOUNTING CLAMPS FOR TIGHTNESS PERIODICALLY. (A small amount of looseness in the hardware can be amplified in the windshield.)

NOTE: THE PRIME CAUSE OF WINDSHIELD BREAKAGE AND HARDWARE FAILURE IS LOOSE HARDWARE. For your own protection, use all provided mounting clamps and check them periodically for tightness.

C. INSTALLING YOUR WINDJAMMER III

14. ☐ ☐ Place a protective cover (cloth, jacket, or pieces of cardboard) over the front fender and the front of the gas tank.

15. ☐ ☐ Place your Windjammer III on the mounting bracket rails, lining up the fairing and hardware bracket mounting bolt holes.



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16. ☐ Following the bolt sequence in steps a-d, loosely attach your Windjammer III to the mounting bracket by the two rear bolts only:

a. Slide a $\frac{1}{4}$ " (M6 x 22) steel washer onto the $\frac{1}{4}$ -28 x $1\frac{1}{2}$ " (M6 x 40) mounting bolt.

b. Slide a $\frac{5}{16}$ " (M8 x 22) rubber washer onto the mounting bolt and next to the $\frac{1}{4}$ " (M6 x 22) steel washer.

NOTE: ONLY RUBBER WASHERS MUST BE IN CONTACT WITH THE FAIRING.

c. Insert the mounting bolt with washers into the mounting bolt holes. (through both fairing and the hardware bracket).

d. Turn a $\frac{1}{4}$ -28 (M6) locknut onto the mounting bolt, but do not tighten it down.

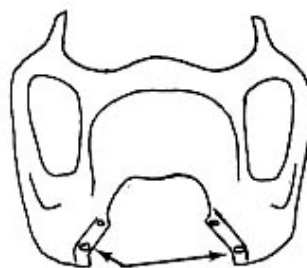
17. ☐ To insure proper plug installation, the locking inserts must be pressed flush with the sides of the female plug (at the serial # plate) and pushed into the locking tabs of the external wiring harness male plug.

18. ☐ Check the operation of all lights. Problems can usually be traced to an improperly attached blue connector.

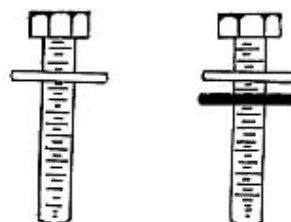
19. ☐ When everything is correct, install the remaining two front mounting bolts following the same procedure as in step 16.

20. ☐ Tighten each bolt only enough to slightly compress the rubber washer.

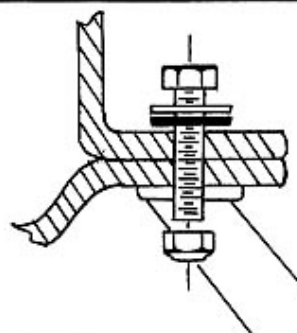
NOTE: CHECK AND TIGHTEN YOUR MOUNTING BOLTS PERIODICALLY. FAILURE TO DO SO MAY VOID YOUR WARRANTY.



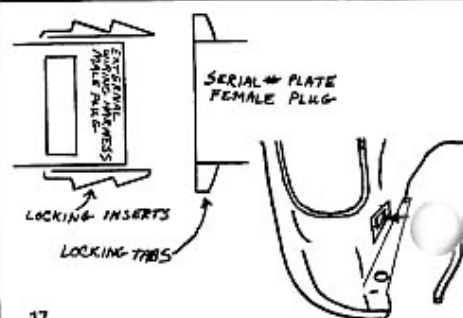
16



16a and b



16c



17

Windjammer[®] III

D. THE WINDSHIELD INSTALLATION

NOTE: IT WILL BE NECESSARY TO SLIGHTLY BEND THE WINDSHIELD TO FIT THE SHAPE OF YOUR WINDJAMMER II BOLT INSTALLATION.

21. ☐ ☐ Using a nylon bolt, puncture the foam tape at each mounting hole then position the windshield on the black foam tape.

NOTE: NYLON BOLT ASSEMBLY WORKS IN EQUAL PARALLEL PROGRESSION FROM THE CENTER HOLE OUT TO THE TOP HOLE ON EACH SIDE.

22. ☐ ☐ Follow the bolt sequence in these steps a through f for the top hole on each side of the windshield.

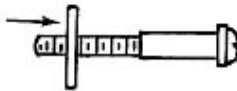
a. Slide the brass grommet onto the nylon bolt.

b. Slide one large nylon washer onto the brass grommet and nylon bolt.

c. Insert nylon bolt with brass grommet and large nylon washer through the top windshield bolt hole and fairsing bolt hole.

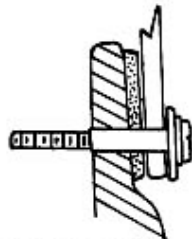


top holes only



top hole only

22b



top hole only

22c

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- d. Slide one small nylon washer onto the nylon bolt.
- e. Screw one nut onto the nylon bolt, but do not tighten.
- f. Screw a second nut onto the nylon bolt, but do not tighten. This will act as a locknut when tightened down.

23. ☐ ☐ Follow the bolt sequence in steps a through c for the remaining holes.

a. Puncture the foam tape, insert nylon bolt through windshield bolt hole and fairside bolt hole.

b. Slide one small nylon washer onto the bolt.

c. Screw on one nut but do not tighten it down.

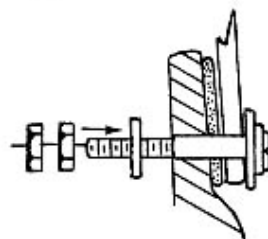
24. ☐ ☐ Tighten the bolts, working in equal parallel progression starting with the center bolt and working out to the top bolt.

NOTE: CHECK AND TIGHTEN THESE BOLTS PERIODICALLY. FAILURE TO INSTALL WINDSHIELD PROPERLY WILL VOID YOUR WARRANTY.



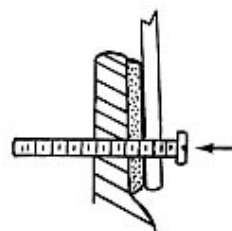
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-19-

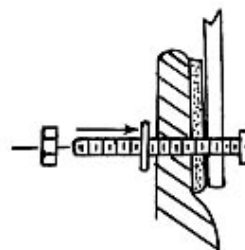


top hole only

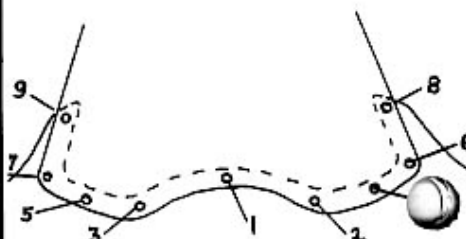
22d-f



23a



23 b-c



24

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E. FINAL ADJUSTMENTS

NOTE: FINAL CLEARANCE ADJUSTMENTS. IF NEGLECTED, COULD RESULT IN DANGEROUS INTERFERENCES DURING USE OF THE FAIRING AND MOTORCYCLE. FOR YOUR SAFETY, MAKE ALL NECESSARY ADJUSTMENTS BEFORE USING THE NEWLY INSTALLED FAIRING.

25. ☐ Check clearances with the fairing and windshield installed to be sure that your headlight nacelle does not rub, that your clutch and brake levers do not engage when turned to full lock positions and that the external wiring harness does not catch anywhere on the bike or fairing when the handlebars are turned. If any of these problems arise, the following steps should solve them:

a) For clearance at the headlight nacelle, tilt the headlight nacelle for maximum clearance. If the nacelle is still hitting in that position, remove the bolts that hold the headlight nacelle and replace them with smaller bolts to move the headlight nacelle back toward the motorcycle. Finally, on some motorcycles, it may be necessary to remove the headlight nacelle completely. If you find that this is necessary, be sure to tie the wires from the nacelle between the forks as high as possible to avoid catching or cutting the wires.

b) Adjust your motorcycle's handlebars and mirrors, if necessary, to provide clearance for maximum turning radius. Loosen the bolts that hold the handlebars and rotate the handlebars toward the motorcycle.

c) Use the ty-raps provided in your mounting kit to tie your external wiring harness out of the way for turning.

26. ☐ Aim the Windjammer III headlamp using the high beam, for correct lighting as follows:

a. Remove the outside chrome rim that rings the headlamp by removing the screw at the bottom of the rim.

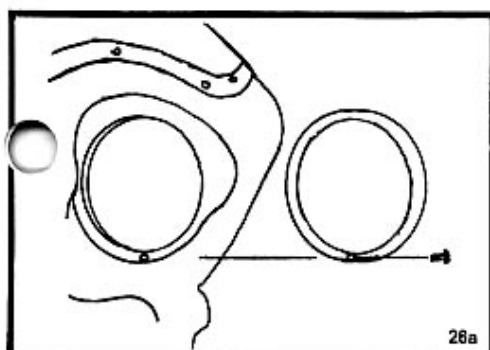
b. Adjust the top aiming screw as necessary for up and down adjustment. Adjust the side aiming screw for right and left alignment.

c. Replace the outside chrome rim by engaging the hook at inside top of rim at headlamp assembly. **BE SURE**

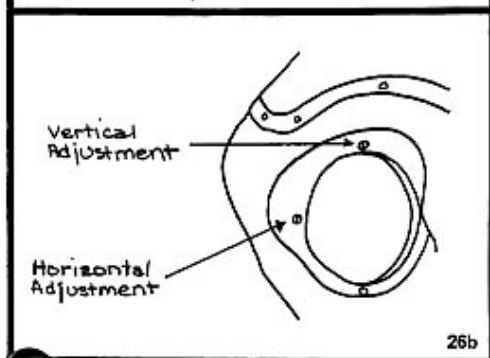
27. ☐ After riding with your new Windjammer II for approximately ten to twenty miles, go over **ALL** clamps and bolts to check them for tightness. Attention should be given to:

- Fairing mounting bolts.
- Windshield mounting bolts.
- Hardware mounting clamps.
- External wiring harness connection at the serial No. plate.

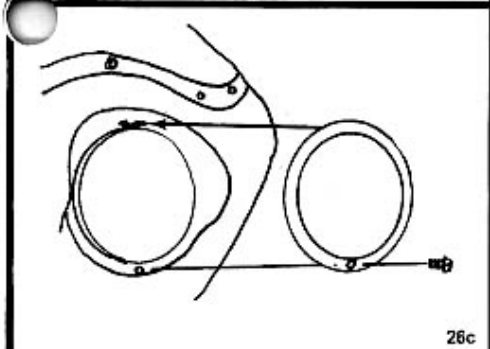
NOTE: ALL THESE SHOULD BE CHECKED REGULARLY FOR TIGHTNESS



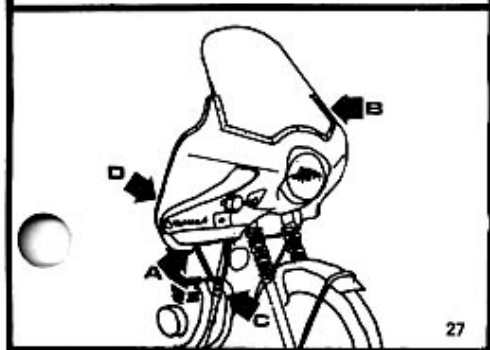
26a



26b



26c



27

Windjammer III

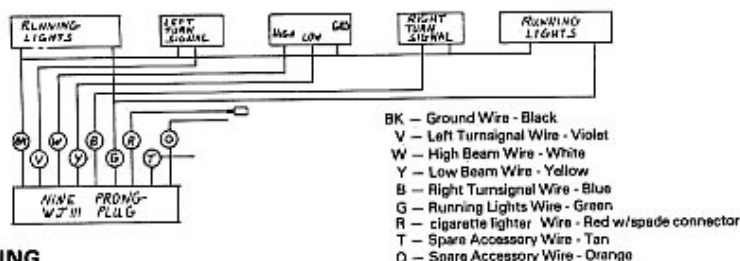
TROUBLE SHOOTING

If you are having trouble in mounting your Windjammer III, it can probably be corrected by rereading your instructions and rechecking your work.

ELECTRICAL

If your problem is electrical, the first thing to do is a check of your color code to insure the proper wires have been connected. If your colors check out, the next step is to check the blue electrical connectors for good contact. This is done by reversing the steps to connect them. Unsnap the lip of the blue connector; using pliers, remove the metal tab. Check both wires to see if the tab cut through the insulation and to the wire itself. Reinsert the wires. A bad connection on your ground is easily diagnosed. If your headlamp is weak and your turnsignals don't function properly, your ground is probably not making good contact. Check the ground wire loop (coming from the turnsignal ground wire hole) for good contact with its ground wire.

Problems may arise that seem impossible, but a recheck of the suggestions above should correct any electrical problems.



MOUNTING

Once again, the best answer for almost any problem is to reread your instructions carefully.

If, when mounted, your headlamp nacelle rubs your fairing, either the nacelle is not adjusted back far enough or it is not tilted at the proper angle. Brackets which do not bolt to the motorcycle frame, may require up or down adjustment for a proper fit.

If problems arise in mounting the windshield, don't panic. The windshield fits correctly if the proper procedures are followed. In the step-by-step assembly, the proper sequence for installing the nylon bolts is given. Also, the windshield, for reasons of structural strength, must be "preloaded" before it will fit properly. All nylon bolts are inserted and nuts are threaded onto the bolts before any nut is tightened. Tightening the nuts works in equal parallel progression from the center out.

MAINTENANCE AND REPAIR

The Windjammer III requires little maintenance, but we recommend that you do make periodic checks. The mounting clamps, mounting bolts, and the windshield bolts should be checked for tightness and adjustments made as necessary. If these checks are made, you shouldn't experience any problems with your Windjammer III.

Cleaning and waxing the fairing:

When washing your fairing, use a mild detergent and warm water. Washing should be done with a soft cloth, or a sponge. Wash the windshield with the same solution, being careful not to rub or scratch the surface. Waxing the fairing is easy; Pledge furniture polish works as well as anything we have found. To finish cleaning the windshield, a plexiglass cleaner and polisher should be used. Soft flannel cloth is best for the job.

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STRUCTURAL REPAIR

Structural damage to the Windjammer III may be repaired by using a Hotcha Fix Kit, available through your dealer or Vetter Fairing Co. The Hotcha Fix Kit includes Hotcha Adhesive and Accelerator, plastic fairing material, stir sticks and instructions for using the kit. Regular automotive body putty can be used to prepare the surface of the fairing for painting.

Because certain substances can attack the fairing body and cause it to deteriorate, we do not advise using any materials other than the Hotcha Fix Kit and the automotive body putty.

PAINTING INSTRUCTIONS

If you desire to repaint your fairing, we recommend that the following instructions be taken;

- 1) Remove the Windjammer III/logo decal and reflective graphic stripes.
- 2) Sand thoroughly with 320 grit wet sandpaper.
- 3) Resand with 400 grit wet sandpaper.
- 4) Dry fairing surface thoroughly with a lint free cloth.
- 5) Spray with DuPont S30 Surface Primer as per instructions on the can.
- 6) Spray DuPont Acrylic Lacquer, in desired color, as per instructions on the can.

IMPORTANT DRILLING INSTRUCTIONS

When drilling holes in your Windjammer fairing to mount accessory lights, horns, brackets, etc., be sure to pad each side of the fairing shell with a rubber washer first, then regular steel washers.

NOTE: FAILURE TO FOLLOW THIS PROCEDURE CAN RESULT IN FAILURE AT THE MOUNT HOLE.

CUSTOMER SERVICE

Any problems concerning installation or modification of the fairing should be referred to the Customer Service Department, Vetter Fairing Company. We are here to help you.

Windjammer^{III}

REPLACEMENT PARTS LIST

PART DESCRIPTION

Cigarette Lighter
Decal - Vetter Truck
Decal - Windjammer III/Trademark (black)
Decal - Windjammer III/Trademark (white)
Decal - Reflective Gold Scotchlite Striping Set (black)
Decal - Reflective Gold Scotchlite Striping Set (white)
*Edging - Fairing Chrome
Edging - Pocket Vinyl
Hardware - Mounting Kit Complete
Hardware - Bracket
Hardware - Bag
Hardware - Crashbar Kit
Hardware - Turnsignal Stalks Bag/1974/6 BMW & /5 BMW
Hardware - Turnsignal Stalks Bag/1975/6 BMW
Hardware - Turnsignal Stalks Bag/Kawasaki
Hardware - Turnsignal Bag/Moto Guzzi Ambassador & Eldorado
Hardware - Turnsignal Stalks Bag/Moto Guzzi Interceptor
Headlamp - Sealed Beam Assy. Complete 12V.
Headlamp - Sealed Beam Assy. Complete 6V.
Headlamp - Sealed Beam Unit 12V.
Headlamp - Sealed Beam Unit 6V.
Headlamp - O/S Rim Chrome
Headlamp - I/S Rim Chrome
Headlamp - Backplate Rim
Headlamp - Cover 7.25"
Headlamp - Cover 8"
Patch - Vetter Trademark Shoulder
Plate - Logo Vetter Dash
*Reflector
Repair Kit - Hotcha Fix
Repair Kit - Headlight RTV (3 oz.)
*Side Lamps - Complete Assy. (2)
Side Lamps - Lens Only
Tonneau Cover - Right
Tonneau Cover - Left
Tonneau Covers (pair)
Turnsignal Washer Kit
Windshield - Clear (incl. nylon bolt kit)
Windshield - Clear w/Snap Vents
Windshield - Clear w/Snap Vent Holes Only
Windshield - Snap Vent Kit Set
Windshield - Nylon Bolt Kit
Windshield - Foam Tape Set
Wiring Harness - Complete Assy. - 9 prong.
Wiring Harness - Internal Only - 9 prong
Wiring Harness - External Only - 9 prong
* May be ordered individually or in a set



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