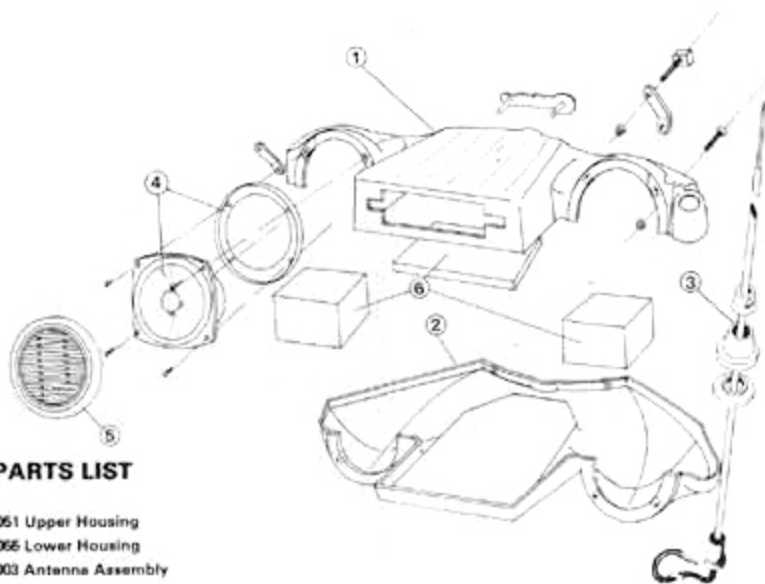


Radio Installation and Mounting Instructions



PARTS LIST

1. AA0051 Upper Housing
2. AA0055 Lower Housing
3. GC0003 Antenna Assembly
4. GC0004 (1 ea.) Speaker Kit
5. GZ0036 (1 ea.) Speaker Grill Kit
6. GZ0037 (3 ea.) Foam Pad Set
7. EG2040 Instruction Booklet*
8. GC005 Spare Parts Kit*
9. GH003 Wiring Kit*

*Not shown



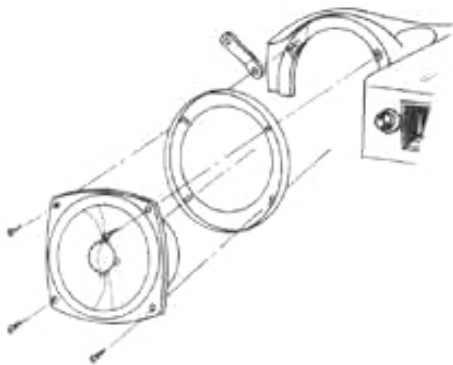
K. Housing assembly: Place 1/2x6x6 shock pad on radio chassis. Don't place the 2x4x4 sound suppression blocks at this time. Be sure and identify right channel speaker and left channel speaker wires. Tape wires near the appropriate speakers to the upper housing. Do not connect wires at this time. Place power lead through slot of lower housing. Replace 2 phillips head screws at rear of housing. Do not replace screws securing speakers at this time. Install VETTER emblem in upper housing. Install front bezel plate, tighten mounting nuts, and install control knobs.

L. Mounting:

Note: VETTER fairings produced after September 1977 have two windshield mounting clips supplied as original equipment. A mounting kit VETTER part #BB 0004 is required to mount the CYCLE SOUND housings to the early VETTER SS fairings and all Windjammer III fairings.

7. Hold speaker wires and insert one 2x4x4 sound suppression block behind each speaker.
8. Replace the mounting ring and install the 3/4 inch CYCLE SOUND bracket between the speaker mounting ring and upper housing in the notch provided. The top of the bracket attaches to the upper windshield clip bolt with a 5mm nut supplied by VETTER.

Install the speaker assembly with four screws provided. This secures the upper and lower housing halves and 3/4 inch bracket together. *



* The bracket is sandwiched between the housing and the speaker mounting ring the speaker is then mounted on the ring and held in place by one of the screws provided by CYCLE SOUND.

WARNING: UNDER NO CIRCUMSTANCES SHOULD A CYCLE SOUND HOUSING BE MOUNTED USING PLASTIC SCREWS IN THE TOP WINDSHIELD HOLES. THE CYCLE SOUND HOUSING MUST BE MOUNTED USING STEEL WINDSHIELD CLIPS IN ALL CASES.

1. Remove the (2) upper windshield clip screw nuts (5mm) and two lower outside plastic (8/32) screws. Discard the two (8/32) plastic nuts and washers.
2. Remove the remaining 2 phillips head screws securing speakers and steel rings to housings. Remove speakers.
3. Mount CYCLE SOUND housing to fairing. Route power lead thru the hole in the fairing dash. Replace the (2) 8/32 nylon screws and secure with (2) 8/32 flange nuts supplied in parts kit.

NOTE: do not tighten yet.

4. The speaker wires may now be attached to the speakers.
5. Connect wires to the motorcycle electrical system, as per instructions included in the wiring kit.
6. Check radio for performance. Check radio stereo, balance from right to left channels. After checking radio remove speakers and leave wires suspended.
9. Repeat same procedure on other speaker.
10. Replace speaker grills. Do not press in center. Care should be exercised when pressing outer ring. Forcing outer ring could cause chaffing and damage grill permanently.

CAUTION: Speaker grills are very tight fit to prevent loss due to road shock and vibration. Install grill carefully and evenly until grill is completely flush with housing.

FINAL INSPECTION:

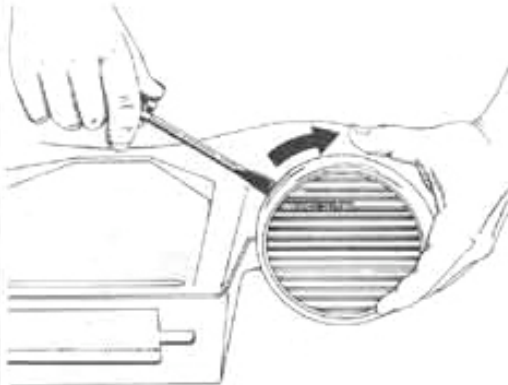
Check turning clearance by moving handlebars full lock each direction.



WARNING: No part of the handlebars or instruments should be allowed to come in contact with this radio housing. To obtain clearance if the handlebars touch you must rotate handlebars back.

STEP BY STEP INSTRUCTIONS FOR VETTER— CYCLE SOUND

A. Place CYCLE SOUND upside down so the bottom of the housing faces up. This should be done on a padded surface to prevent scratches.



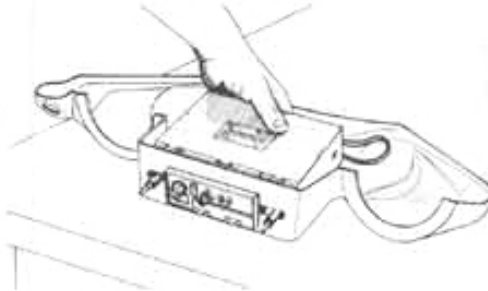
B. Removal of speaker grills: Carefully remove the speaker grills starting from the bottom and working the grill off in a circular fashion with a screwdriver.

CAUTION: Be careful not to force grill in any one area this could cause cracking of the grill.

C. After the speaker grills have been removed, remove the 2 screws from the speaker which secures the speaker to the steel ring and lower housing. Repeat this procedure on the

next speaker. Be careful not to damage speakers while removing screws. Proceed removing the 2 screws in the rear of housing. The speakers will remain attached to the upper housing.

D. You are now ready to separate the housings. After separation remove (2) 2x4x4 foam sound suppression blocks and (1) 1/2x8x8 radio shock pad. Do not try to remove the other 1/2x8x8 shock pad from the upper housing as it is permanently attached.



E. Place radio (upside down) into upper housing. Check volume and station selector shafts are of proper width for the radio control shaft slots in housing. Adjust these shafts if necessary. Your kit is provided with (2) 3/8 flat washers (large), adjust the shaft nuts and place the washers on each shaft between the inner part of the housing and shafts of the radio. No other back-up plates are required or needed.

NOTE: Remember the radio cavity is 2 1/4" h x 7" w x 6 1/4" d with ample room for the antenna lead.

F. Antenna: Install antenna thru antenna hole, installation can be made by placing the housing so the antenna hangs over edge of table. The antenna is supplied with a base washer, upper cone mount and nut.

Insert chrome shaft of antenna thru antenna hole. The base washer has a step or shoulder which aligns with the antenna hole. Next place the cone mount and nut over antenna and tighten. Connect antenna lead to radio.

G. Speakers: Speakers have (2) terminals, one common terminal (negative or ground) and one 4 or 8 ohm compatible impedance terminal. Terminal identification of + and - terminals are located on the back of each speaker magnet.

CAUTION: DO NOT SOLDER WIRES TO SPEAKER TERMINALS. THIS CAN CAUSE DAMAGE TO SPEAKER VOICE COIL AND IMPAIR SPEAKER INSTALLATION.

H. Wiring: Familiarize yourself with the wiring diagram of your radio. After you have identified all wires, begin attaching gray wires to radio wires by using the yellow wire nuts provided in your kit. Each wire set has one wire color coded black and gray for common/ground lead and one wire for 4 or 8 ohm lead. **DO NOT CONNECT WIRES TO SPEAKERS AT THIS TIME.**

I. Power & ground lead hole: The power lead hole may be located under the VETTER emblem. The VETTER emblem can easily be removed by inserting a small screwdriver and prying up on each end.

If your fairing does not have a hole under the emblem you will have to drill one.



Place masking tape on fairing dash under the VETTER emblem and draw around the TT area of the emblem. Drill a 5/16" hole centered under the two T's. The emblem will cover the electrical hole if the CYCLE SOUND housing is removed.

J. Radio power & ground lead routing: The power/ground leads will exit through a slot located at the rear of the lower housing. This slot, when mounted, will be above the power lead hole in the fairing dash.

CAUTION: Mark the leads for power/ground from radio. Certain radios may be damaged if connected to reverse polarity.

HELPFUL HINTS

1. The least antenna vibration will usually occur with the antenna extended to full length.

2. Ignition noise: Ignition noise can only enter a radio two places: the power leads of the antenna. Noise in the power leads may be filtered by using 16VDC 1000MFD electrolytic capacitor across the power and ground leads at the radio. Mount the capacitor as close as possible to the radio and observe the polarity (+ & -) markings for correct placement. Most installations will benefit by running a separate wire directly from the battery. If this wire is coaxial cable (RG-58U) so much the better. Use the center conductor for +12V power and the shield for ground. Be sure the radio case is grounded to the chassis of the motorcycle or electrical system ground, remember, a CYCLE SOUND housing is plastic and not a conductor.

Noise entering a radio thru the antenna is much harder to eliminate. Most motorcycles already have resistor wires or spark plug caps. Little more can be done other than try to reduce the required voltage. Do not overlook the condition of the ignition system as a cause. Worn spark plugs, bad condensers, defective coils or breaks in the plug wire may cause increases in voltage required to fire the spark plugs. Effort here may not solve your radio noise problems but the bike will probably run better.

Radio selection is important, better radios have built-in noise limiters, both on the power and antenna sections.

3. Radio Performance: Cycle Sound speakers have been designed to produce the most audible sound at highway speeds. The average auto radio will only produce 3% watts

of audio power and that's at 10% distortion. Distortion levels above 1% would be considered excessive by anyone trying to listen to a radio. That really means that your typical radio will only put out 2 watts of undistorted sound! Cycle Sound speakers are designed to convert as much of this 2 watts audio power into the most audible frequencies when riding. A good quality radio should be selected to secure high volume, distortion free sound. Remember, cheap radios have cheap amplifiers.

4. Booster Amplifiers: This new product may be used to improve radio performance. Booster amplifiers should not have power output greater than 10 watts per channel. Most booster amplifiers are too large to mount inside a Cycle Sound housing therefore must be mounted remotely inside the fairing. The Panasonic-CJ-155ZEU Sound Charger has been tested and found compatible with most radios.

5. Combination Radios: AM/FM/CB radios which mount thru the dash are very popular and most may be mounted in a standard Vetter Cycle Sound radio housing. This type of radio requires two antennas or a combination AM/FM/CB antenna. We recommend that two antennas be used for optimum performance. The AM/FM antenna supplied with the Cycle Sound should be used and a separate top loaded marine type CB antenna should be mounted on the motorcycle. A typical antenna is available at Radio Shack Stores nationwide.

LIMITED WARRANTY

VETTER FAIRING COMPANY PRODUCTS

This Warranty applies to products manufactured or distributed by Vetter Fairing Company, Rantoul, Illinois 61866, and sold by Vetter Fairing Company or its authorized dealers within the United States, Puerto Rico, and the Virgin Islands. It is given to the first retail purchaser only and is not transferable to subsequent owners.

Warranty Obligation: Vetter Fairing Company warrants that it, or one of its authorized dealers, will repair or, at its option, replace any part proven to be defective in factory material or workmanship within six (6) months (unlimited mileage of the date of purchase. Parts repaired or replaced under this warranty are warranted only during the balance of the original warranty period. THIS WARRANTY DOES NOT INCLUDE ANY LABOR CHARGES FOR TROUBLE-SHOOTING, REMOVAL OR INSTALLATION.

Exclusions from Coverage: 1. Any repairs or replacements of parts necessitated by misuse, negligence, fire, accident, damage caused by exposure to gasoline, brake fluid, harmful solvents and cleaners, paints or repair material, use of unauthorized accessories, faulty installation, installation upon motorcycles or vehicles not listed in Vetter Fairing Company's retail and dealer catalog sheets, or improper or unreasonable maintenance are not covered.

DISCLAIMER OF CONSEQUENTIAL DAMAGES AND LIMITATIONS OF IMPLIED WARRANTIES: TO THE EXTENT THE LAW PERMITS, VETTER FAIRING COMPANY SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR LOSS OF USE OF THE FAIRING, CONSEQUENTIAL OR INCIDENTAL DAMAGES, ANY IMPLIED WARRANTY ARISING UNDER LAW, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE DURATION OF THIS LIMITED WARRANTY.

IMPORTANT: Some states do not allow limitations on how long an implied warranty lasts and/or limitations or exclusions of incidental damages, so the above limitations may not apply to you.

To Obtain Warranty Service: Information you must provide when filing claim. 1. Name, mailing address and telephone number. 2. Selling dealer's name and address. 3. Serial number of the product. 4. Model and year of motorcycle. 5. Date product was purchased. 6. Date and mileage at failure. 7. Description of problem.

Steps to take: 1. Contact or take your product to an authorized Vetter dealer (preferably your selling dealer) at your expense. 2. If you are unable to obtain warranty service, or should your warranty claim be denied for reasons that you consider unjustifiable, contact the owner of your selling dealer. Normally, this should resolve your problem. However, if you require further assistance, write or call the Customer Service Department of Vetter Fairing Company, Rantoul, Illinois 61866, Phone: (217) 833-9300. At this point, you must be prepared to return the part in question to Vetter Fairing Company with all freight charges prepaid. The charges will be reimbursed to you if they total over \$5.00 (five dollars) and the warranty claim is honored.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

January 15, 1978
Vetter Fairing Company, Inc.

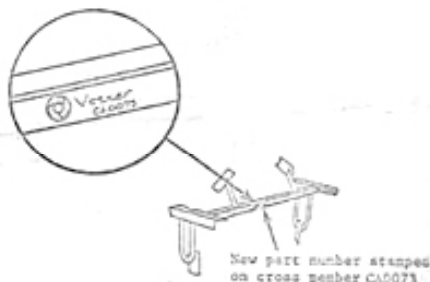
Supplementary Cycle Sound Instructions

Following these instructions is necessary to provide radio operation independent of the motorcycle's ignition.

5. ELECTRICAL CONNECTIONS

NOTE: Omit steps A, B, C and D if your Windjammer SS is equipped with optional, built-in horns. However, the 15 amp fuse that is provided should be exchanged for the 10 amp that was installed with the horn option.

- Open or remove the bike's seat and remove the gas tank.
- Attach the open end spade connector to the power side of the bike's battery. Route the remaining wire along the frame tube and tape it securely to the frame at several different points.
- Route the remaining end of the brown fused wire in between the fork's steering head and the fork, be it the left or right fork, continue routing the brown wire into the nacelle.



Do not operate the motorcycle if the gauges interfere with the Vetter Cycle Sound unit. If you are unable to obtain clearance, contact your dealer to obtain a new mounting bracket. If you have any further questions, contact the Customer Service Department, Vetter Fairing Company, Kankou, Illinois 61866, (312) 893-9300.

WARNING

THIS RADIO HOUSING WAS DESIGNED SOLELY FOR USE WITH VETTER FAIRING COMPANY'S FAIRINGS. THESE INSTRUCTIONS MUST BE GIVEN TO THE CONSUMER BECAUSE THEY CONTAIN VALUABLE INFORMATION FOR THEIR FUTURE REFERENCE.



5. ELECTRICAL CONNECTIONS (cont.)

- (cont.) then plug it into the fused wire.
- With the provided blue connector, locate and connect the radio's negative or ground (-) lead to the black lead of the fairing's internal wiring harness. NOTE: Connection should be made just as the wire enters from the internal wiring harness.
- With the provided blue connector locate and connect the radio's positive (+) lead to the brown lead of the fairing's internal wiring harness. NOTE: Connection should be made just as the wire enters from the internal wiring harness.

SPECIAL WARNING FOR 1978 HONDA GL-1000

We currently have two similar versions of the mounting bracket for the '78 GL-1000. One version can position the fairing back so there is insufficient clearance between the instruments of the bike and the speaker of the Vetter Cycle Sound unit. The brackets can be identified as follows:

