

1979

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1-19-79

# HONDA CBX

## Windjammer IV Vindicator II Mounting Instructions

Dear Vetter Owner:

These instructions explain the procedure required to mount either the Windjammer or Vindicator fairing to your motorcycle. We urge you to follow the preparation and assembly sequence from start to finish. This will benefit you directly in several ways: 1) You will be assured the fairing is properly installed and is immediately ready for operation. 2) You will minimize unnecessary confusion, moaning and scraped knuckles. 3) You will protect your investment by doing it right, and 4), with the confidence that nothing has been overlooked, you won't have to waste time backtracking to correct mistakes. That's time you could spend riding.

Thanks for buying Vetter products. We appreciate your business and comments.

Sincerely,

The folks at Vetter

NOTE TO DEALERSHIP PERSONNEL: If you are installing the fairing, we ask that you adhere to this procedure. As you know, the CBX is an unconventional machine. The hardware mounting process is not the same as that used on standard cradle-frame motorcycles. Following these instructions will help ensure that your customer remains a customer.

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#### **WARNING**

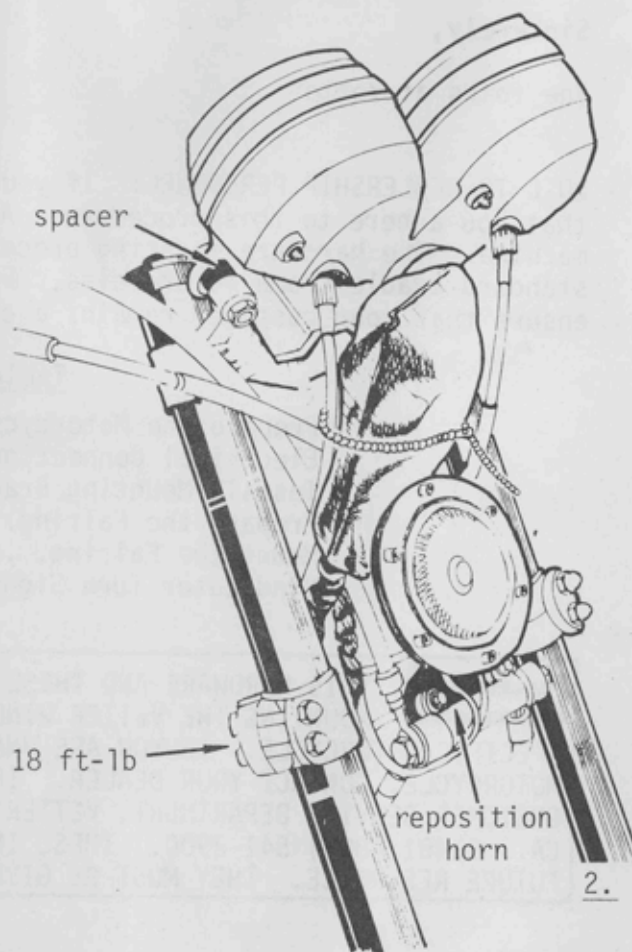
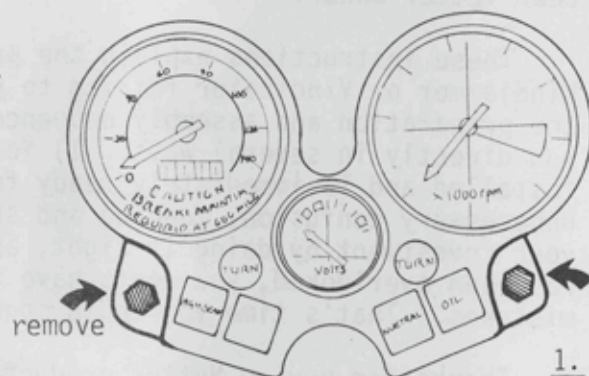
THIS HARDWARE AND THESE INSTRUCTIONS WERE DESIGNED SOLELY FOR USE IN MOUNTING THE VETTER WINDJAMMER IV AND VINDICATOR II FAIRINGS TO THIS SPECIFIC MOTORCYCLE. IF YOU ARE UNABLE TO DETERMINE IF THIS HARDWARE IS FOR YOUR MOTORCYCLE, CONTACT YOUR DEALER. IF YOUR DEALER IS UNAVAILABLE, CONTACT THE CUSTOMER SERVICE DEPARTMENT, VETTER CORPORATION, 1150 LAUREL LANE, SAN LUIS OBISPO, CA. 93401 (805) 541-2900. THESE INSTRUCTIONS CONTAIN VALUABLE INFORMATION FOR FUTURE REFERENCE. THEY MUST BE GIVEN TO THE CUSTOMER.

# Vetter

Vetter Corporation 1150 Laurel Lane, San Luis Obispo, California 93401 805/541-2900

# prepare the motorcycle

1. Put the motorcycle on its centerstand. Remove the seat and tank.
2. Remove the phillips head screws in the headlight shell. Disconnect the 3-prong plug and remove the headlight. Disconnect the wiring block connectors, the turn signal wires, and pull all wiring through the rear of the headlight shell.
3. Remove the headlight shell and turn signals. Disconnect the tachometer and speedometer cables at the instruments.
4. Remove the instrument panel bolts. (Illus. 1) They will not be reused. Disconnect the wires at the horn.
5. Remove the headlight bracket assembly by pulling it up and forward. The bracket will not be reused.
6. Remove the 8mm allen head bolts in the lower triple clamp. Remove the reflectors and replace the bolts, tightening them to 18 ft-lb torque. (Illus. 2)
7. Replace the instrument panel using the two 8mm spacers and two 8 x 45mm bolts supplied. Attach flat washers and lock nuts and tighten securely. (Illus. 2)
8. To retain the stock horn, detach it from the headlight bracket. Remove the two 6mm nuts and detach the hydraulic brake union from the lower triple clamp. Remove the studs.
9. Insert the horn bracket behind the brake union. Fit the two 6 x 35mm bolts with lock washers and secure the horn assembly and brake union to the triple clamp. Reconnect the horn wires.
10. Reconnect the speedometer and tachometer cables.



NOTE: If you have doubts about bolt sizes, check them with the metric scale on page 7



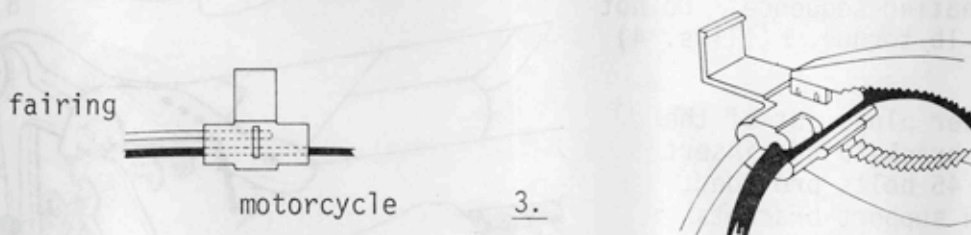
# electrical connections

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:

Fairing Wire	Function	Bike Wire
Violet . . . . .	Left turn signal . . . . .	Orange
Blue . . . . .	Right turn signal . . . . .	Light blue
Green . . . . .	Running lights . . . . .	Brown/White
Red . . . . .	Lighter . . . . .	Black
Brown . . . . .	Accessory (Horn option) . . . . .	Battery wire (+)
Orange . . . . .	Accessory (Horn option) . . . . .	Light green

**NOTE:** 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.

- 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)

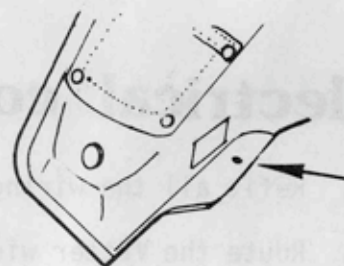


3.

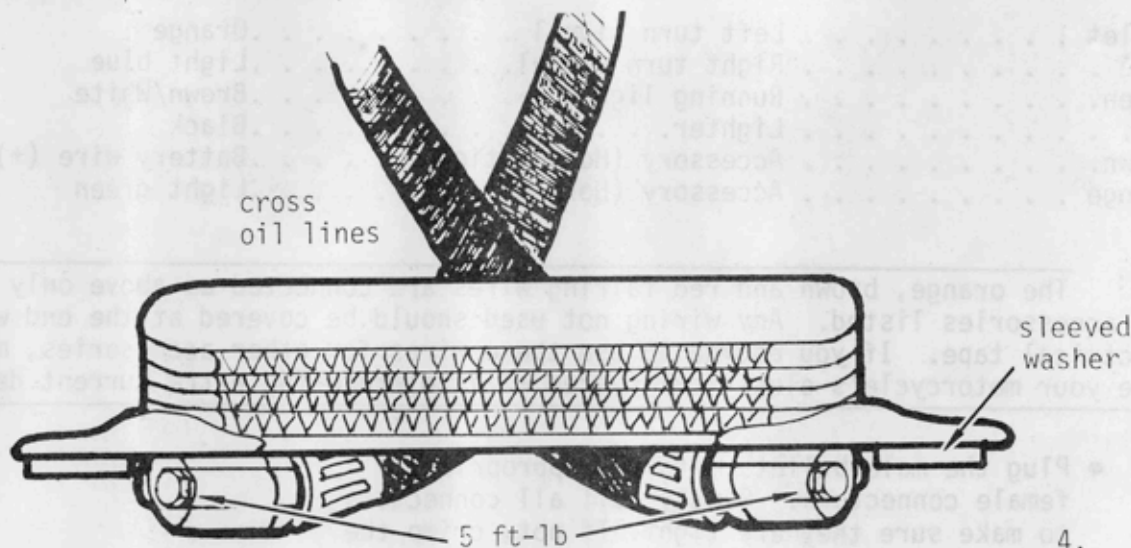
- A. Snap the blue connector over the appropriate motorcycle wire.
  - B. Insert the appropriate fairing wire into the other hole. The wire will not go all the way through the connector.
  - C. Squeeze the metal tab down flush with the top of the connector.
  - D. Fold the plastic lid down and snap it 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 tach cable. (Illus. 2, page 2)

# install mounting brackets

NOTE: The CBX will accept ONLY fairings with one lower mounting hole on each side. Fairings with two holes per side cannot be mounted.

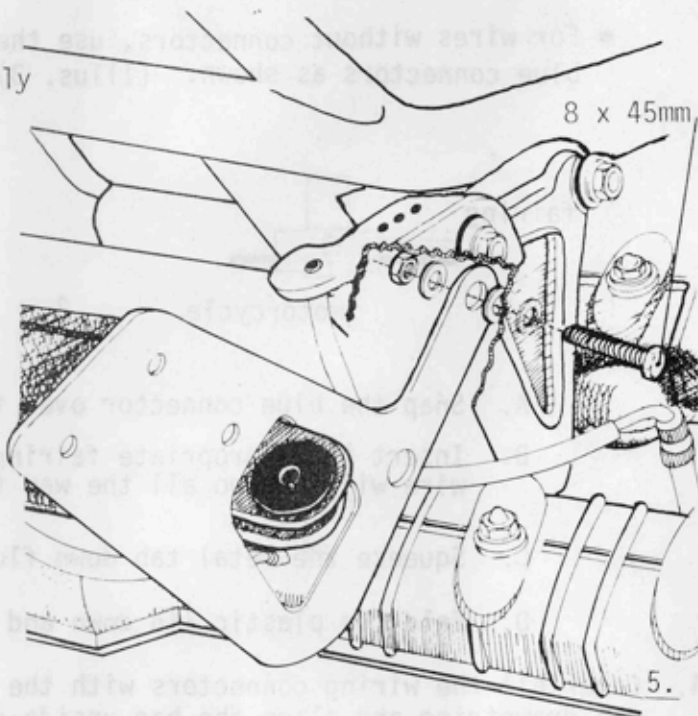


1. Disconnect the oil lines and remove the two 6mm oil cooler mounting bolts.
2. Remove the sleeved washers from the bottom of the oil cooler mounts and insert them in the top. Rotate the oil cooler 180 degrees (left to right), and turn it upside down. (Illus. 4)



3. Reroute the oil lines BELOW the frame crosstube. Cross the lines and connect them to their original fittings. Tighten the bolts carefully in an alternating sequence. Do not exceed 5 ft-lb torque. (Illus. 4)

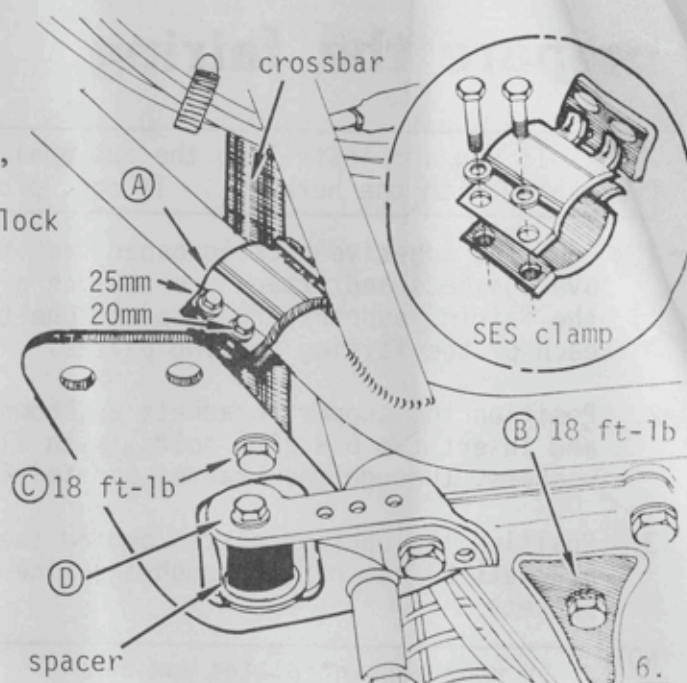
4. Pop the rubber plugs out of the motor mount brackets and insert the two 8 x 45 bolts provided. Fit the main support brackets inside the engine mounts with flat washers on each side of the bracket as shown. Fit the bolts with 8mm lock nuts, but do not tighten completely. (Illus. 5)



5. Insert the oil cooler mounting tabs through the openings in the main support brackets as shown. (Illus. 5)



6. Fit the oil cooler mounting tabs with the two 37.2mm aluminum spacers provided. Install the original flat washers on the 6 x 65mm bolts supplied, and insert bolt through the mounting tab and spacer. Fit flat washers and lock nuts at the bottom, but don't tighten completely. (Illus. 6)

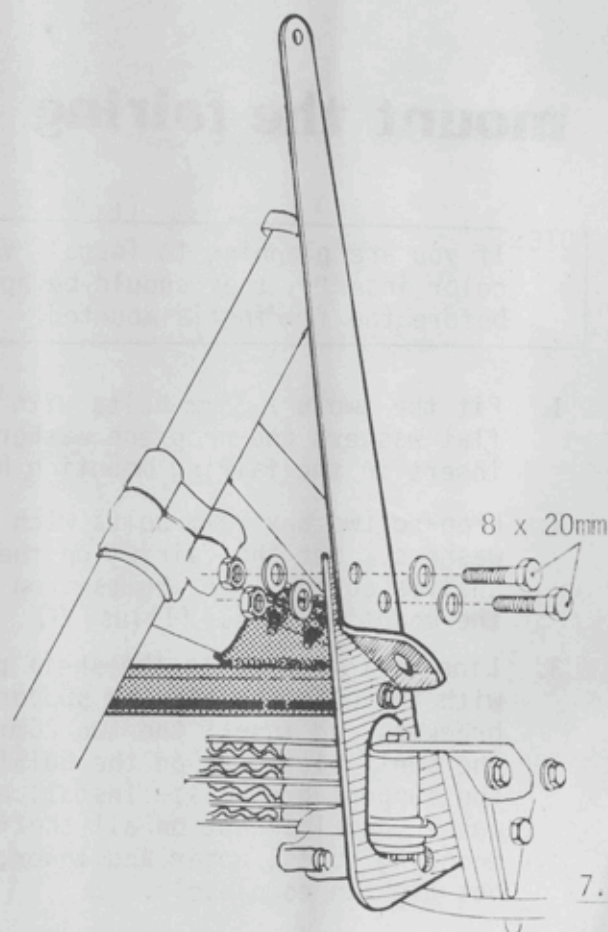


7. Install the crossbar between the support brackets and attach the SES clamps to the frame as shown. First, fit the FORWARD clamp holes with 6 x 25mm bolts and washers, then the REAR holes with 6 x 20mm bolts and washers. Start the longer bolts first, then draw up the shorter ones. Leave the clamps slightly loose on the frame. (Illus. 6)

#### CAUTION

THE FOLLOWING TIGHTENING SEQUENCE IS CRITICAL. TO INSURE PROPER FIT OF THE HARDWARE AND THE FAIRING, FOLLOW THE SEQUENCE EXACTLY.

8. Attach the right and left support brackets to the crossbar with two 8 x 20mm bolts and lock washers, but do not tighten completely. Tighten the SES clamp bolts (A) in an alternating pattern, but do not overtighten. Now tighten the rear support bracket bolts (B) to 18 ft-lb, then tighten the bolts securing the support brackets to the crossbar (C) to 18 ft-lb. Now tighten the oil cooler mounting bolts (D) securely. (Illus. 6)
9. Attach the shelf plates to the support brackets using two 8 x 20mm bolts with lock nuts. Install flat washers on both sides of the plate as shown. Do not tighten the bolts completely. (Illus. 7)

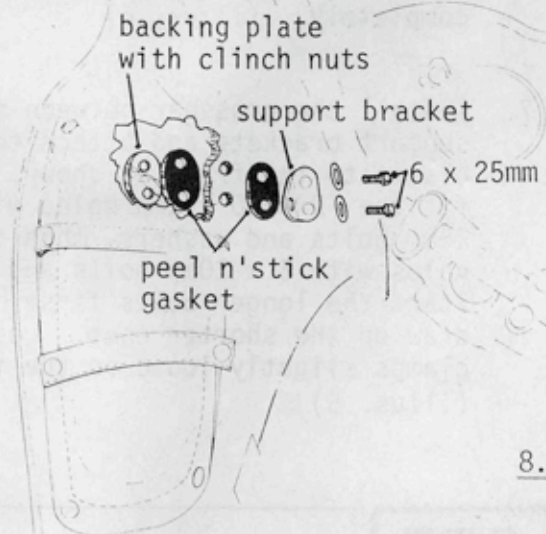


## prepare the fairing

**NOTE:** If you are installing the optional horn, refer to the assembly instructions packaged with the horn kit. If not, proceed with the following steps.

1. Peel the adhesive backing paper from the oval gaskets and attach one to each of the fairing support brackets and one to each of the fairing backing plates.
2. Position the support brackets as shown and insert two 6 x 25mm bolts, with flat washers, through the bracket and fairing.
3. Position the backing plates behind the brackets by reaching through the side pockets.

**NOTE:** If your backing plates are not equipped with clinch nuts, you must use the four 6mm flat washers and lock nuts supplied.

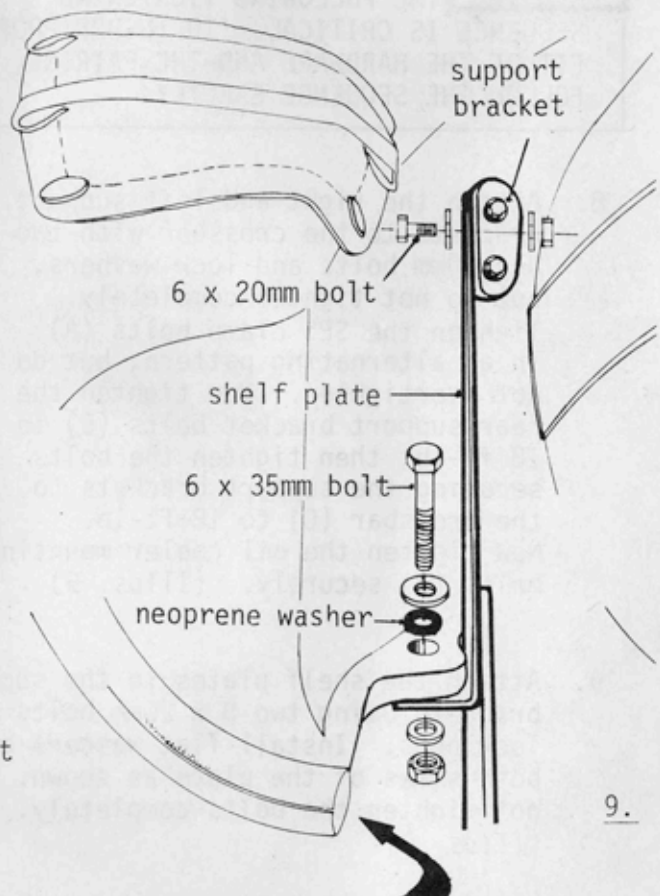


8.

## mount the fairing

**NOTE:** If you are planning to install Vetter color inserts, they should be applied before the fairing is mounted.

1. Fit the two 6 x 35mm bolts with  $\frac{1}{4}$  x  $\frac{3}{4}$  flat washers and neoprene washers and insert in the fairing mounting holes.
2. Prepare two 6 x 20mm bolts with flat washers. Set the fairing on the support shelves so the lower bolts drop through the mounting holes. (Illus. 9)
3. Line up the holes in the shelf plates with those in the fairing support brackets and insert the two 20mm bolts. The shelf plates go on the OUTSIDE of the support brackets. Install a 6mm flat washer and lock nut on all the fairing mounting bolts, upper and lower, but do not tighten completely.



9.

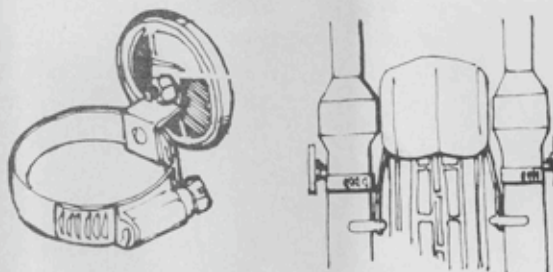
**NOTE:** It may be necessary to file off some material at the inside rear edge of the fairing to provide clearance between it and the rear engine mount bolt.



**NOTE:** Before final tightening, plug the wiring harness into the fairing at the serial number plate. You should not be able to disconnect it without depressing the locking prongs. Check the operation of all electrical components before continuing. If problems arise, refer to the Troubleshooting section of the Owner's Manual.

4. Tighten the two lower mounting bolts just enough to slightly compress the neoprene washers. Center the two upper bolts in the shelf plate slots and tighten them securely. Now tighten the four 8 x 20mm bolts holding the shelf plates to the main support brackets. (Illus. 7, page 5)

- Remove the reflectors from the original brackets. Fit reflectors to the mounting clamps with the 6mm nuts provided.
- Install each assembly on the fork sliders as shown. (Illus. 10)

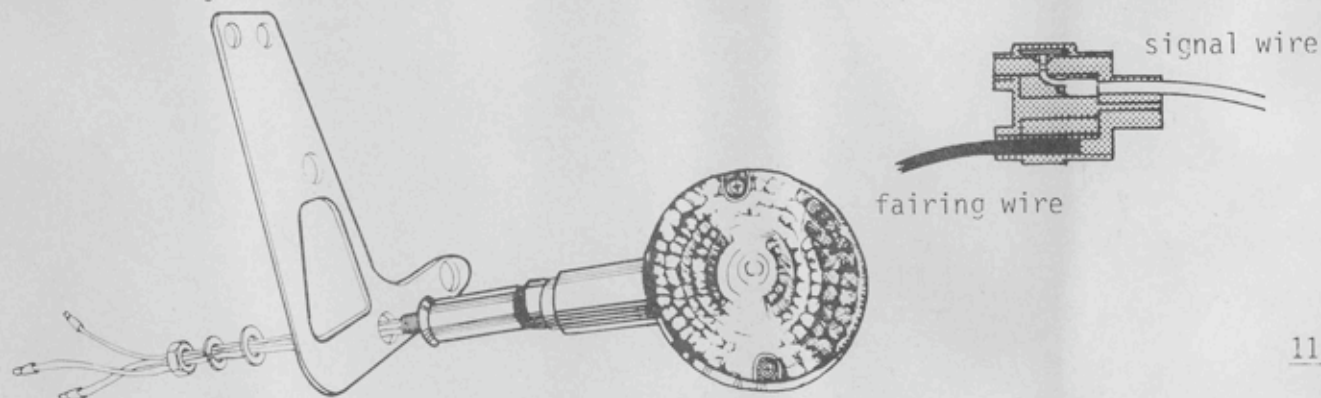


Refer to your Owner's Manual for windshield mounting instructions and final adjustments. We suggest you insert these instructions in the manual for future reference.

10.

## Vindicator turn signals

1. Feed the turn signal wires through the side plate, flat washer, lock washer and nut. Tighten the nut securely. (Illus. 11)
2. Connect the turn signal wires to the fairing wires following the color code on page 3.
3. Clip off the brass spade connectors from the BLACK fairing wires. Connect the GREEN turn signal wire to the socket in the black plastic connector. Position the black fairing wire in the outer channel as shown, and snap the assembly closed. Repeat procedure for opposite side.
4. Pull the slack wire into the fairing by reaching through the side pocket. Carefully twist the wires to keep them inside the fairing.



11.

USE THIS SCALE TO CHECK BOLT AND WASHER DIMENSIONS



1979 HONDA CBX

MOUNTING HARDWARE

Packing List

PART#	DESCRIPTION	WJ IV	VIC II
14 010 0304	Mounting Instructions	1	1
15 001 0304	Hardware Bag	1	1
13 003 0101	Wiring Harness	1	1
13 005 0002	Blue Connector #6127	3	3
15 013 0101	Reflector Clamp Bag	1	1
15 013 0102	Right and Left Reflector Clamp	2	2
17 026 0008	6mm Locknut	2	2
17 026 0014	5mm Locknut	2	2
15 013 0211	SES Clamp	2	2
15 015 0306	Small Aluminum Spacer	2	2
15 015 0307	Large Aluminum Spacer	2	2
15 015 0704	SES Buckle	2	2
17 024 0041	6x20mm Bolt	2	2
17 024 0042	6x25mm Bolt	2	2
17 024 0043	6x35mm Bolt	2	2
17 024 0044	8x20mm Bolt	4	4
17 024 0057	6x65mm Bolt	2	2
17 024 0058	8x45mm Bolt	4	4
17 026 0008	6mm Locknut	2	2
17 026 0009	8mm Locknut	8	8
17 027 0005	6mm Flat Washer	8	8
17 027 0006	8mm Flat Washer	14	14
17 028 0005	6mm Lock Washer	2	2
15 001 0606	Hardware Bag	1	1
15 006 0406	Fairing Support Bracket	2	2
15 007 0722	Backing Plate	2	2
17 005 0005	1/4" Flat Washer	2	2
17 005 0013	5/16" Neoprene Washer	2	2
17 020 0002	6" Ty-rap	2	2
17 024 0041	6x20mm Bolt	6	6
17 024 0042	6x25mm Bolt	4	4
17 024 0043	6x35mm Bolt	2	2
17 024 0044	8x20mm Bolt	2	2
17 026 0008	6mm Locknut	12	12
17 027 0005	6mm Flat Washer	22	22
17 028 0006	8mm Lock Washer	2	2
18 002 0101	Headlight Wire Bag	1	1
18 003 0209	Oval Gasket	4	4
18 004 0202	Accordion Plug	4	4
15 006 0402	Main Support Bracket	2	2
15 007 0603	Left Hand Shelf Plate	1	1
15 007 0604	Right Hand Shelf Plate	1	1
15 009 0016	Crossbar Assy.	1	1
15 001 0615	Turn Signal Bracket Kit		1
15 006 0314	Left Turn Signal Bracket		1
15 006 0317	Right Turn Signal Bracket		1
13 005 0003	Black Connector		2