

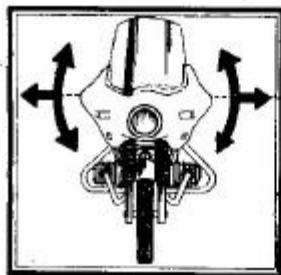
Luftmeister™ Airscreen

MOUNTING INSTRUCTIONS

PARTS LIST

No. 1 — 6 Mounting Clamps (10033A)	No. 11— 1 Mounting Bracket (10027A)
No. 2 — 4 (¼-28x1½") Bolts (10036A)	No. 12— 2 Secondary Mounting Brackets (10029A)
No. 3 — 9¼" Steel Flat Washers (10040A)	No. 13— 4 Rubber Mounting Gaskets (10030A)
No. 4 — 5 (¼x28) Lock Nuts (10035A)	No. 14— 1 Windshield Gasket (10054A)
No. 5 — 10 (1¼") Nylon Bolts (10059A)	No. 15— 1 Left Tonneau Cover (10015A)
No. 6 — 10 (¼") Nylon Washers (10060A)	No. 16— 1 Right Tonneau Cover (10041A)
No. 7 — 10 (¼") Nylon Nuts (10061A)	No. 17— 1 External Wiring Harness (10009A)
No. 8 — 4 (3.5 mm x 1½") Bolts (10041A)	No. 18— 1 Windshield (10053A)
No. 9 — 1 Quick Connect Clip (10042A)	No. 19— 1 (¼-28x1") Bolt (10037A)
No. 10— 1 Plastic Cover (10031A)	No. 20— 1 Luftmeister Airscreen w/ Internal Wiring Harness (10000A)

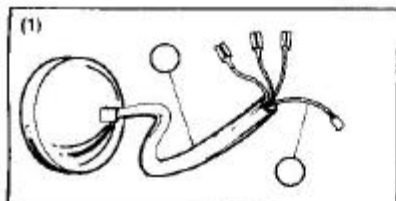
*To insure proper handling, it is recommended that you use BMW Heavy Duty Fork Springs, Part No. 31421232017, on the front forks. As a temporary solution, you can use four (4) BMW Spacers, Part No. 31422000399 (2 spacers on top of each front fork spring).



ELECTRICAL

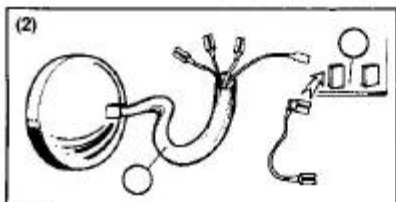
Your Luftmeister Airscreen has been designed to use the original BMW quartz halogen headlight and turnsignals from your 1974 or newer motorcycle. All of the wires in the Airscreen are color matched to the BMW color codes:

Brown	—	Ground
Yellow	—	Low Beam
White	—	High Beam
Blue w/Red Strip	—	Left Turn Signal
Blue w/Black Strip	—	Right Turn Signal
Gray w/Black Strip	—	Parking Lights

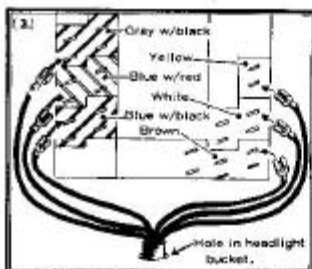


The terminal board in the BMW headlight bucket uses the above color code, thus making installation of the wiring harness easy and trouble free. **Follow directions in order.**

STAGE I



- (1) Remove headlight and headlight wiring harness from the terminal board inside the headlight housing on your motorcycle.
- (2) Remove turn signal housings from the stems of your motorcycle. **Insulate** the exposed ends of wire and push back inside stems. These wires will not be used.
- (3) Refer to Diagrams No. 1, 2 and 3. Locate the brown ground wire (A) at the end of the headlight wiring harness (D). Cut relay ground wire (C) as close to quick connect clip (B) as possible. Attach a quick connect clip to cut end of ground wire (C) from headlight harness (E) inside headlight bucket of motorcycle. Attach the other end of ground wire (C) to any terminal in the brown section of the terminal board (F).

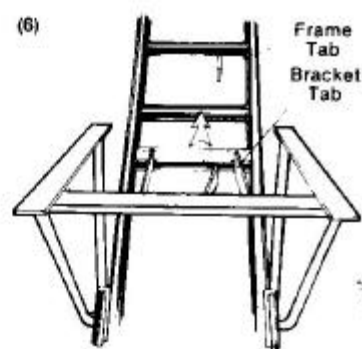
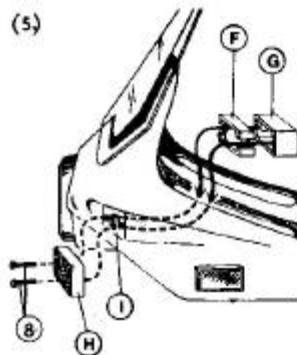
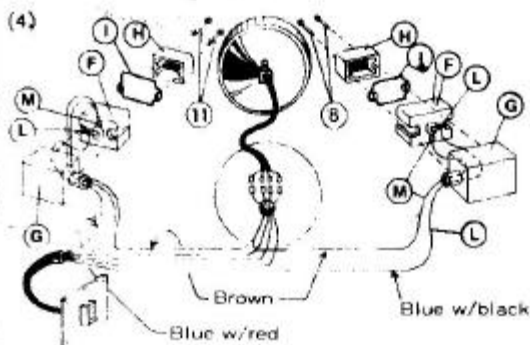


- (4) Remove rubber grommet on upper left side of headlight housing. Feed the external wire harness through this opening. Attach to proper color coded terminals on BMW wiring board.

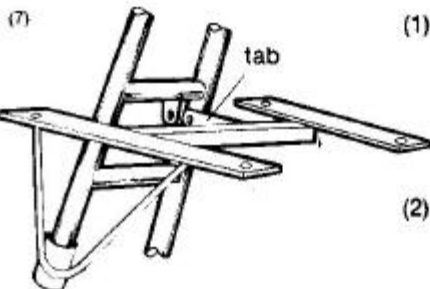
*Important. Caution must be taken when placing the BMW chrome ring onto the airscreen headlight bucket. It must snap on tightly. Inspect after placement to insure proper fit.

- (5) Place plastic cover (10) over face of headlight bucket (and secure with black electrical tape if needed).

*Check periodically all mounting clamps, mounting bolts and windshield bolts for rightness.



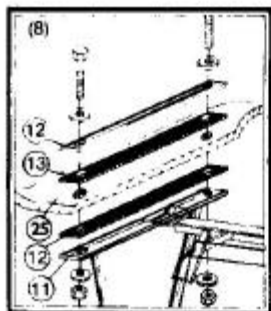
STAGE II



- (1) **Mounting Headlight:**
Attach the BMW headlight wiring harness to proper color coded wires inside headlight bucket in the Airscreen. Diagram No. 4. Then attach the headlight to the Airscreen. **IMPORTANT.** Caution must be taken when placing the BMW chrome ring onto the airscreen headlight bucket. It must snap on tightly. Inspect after placement to insure proper fit.
- (2) **Mounting Turn Signals:** Refer to diagrams No. 4 and 5. Insert the left and right turnsignal lamp units (F) and housings (G), inside left and right sides of the airscreen. Insert the two wires (M) and (L) from the internal wiring harness into the hole in the side of the turnsignal housing (G). Then attach the two wires to the proper terminals on the back of the turnsignal units (F) as shown in diagram No. 4. Align the turnsignal lens (H) on the outside of the airscreen, and the turnsignal lamp unit (F) and the housing (G) on the inside of the airscreen with the pre-cut holes (I) in the airscreen. Bolt together using the 3.5mm x 1 1/2" bolts (8) provided for the turnsignal units.

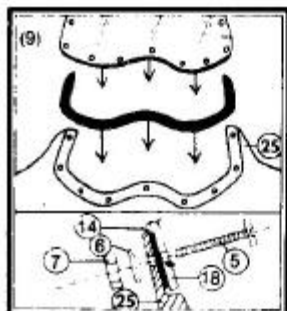
MOUNTING THE AIRSCREEN

STAGE III

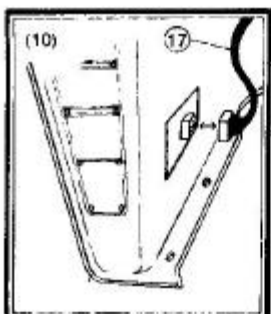


- (1) Position the Luftmeister mounting bracket (11), on the frame using the six mounting clamps (1). **Before tightening the mounting clamps, make sure that the mounting bracket is level from side to side. Begin by lining frame tab with mounting bracket tab. See Diagram 6.**
- (2) Insert (1/4x28x1) bolt through the mounting bracket into the BMW frame tab. This will give the airscreen bracket the proper height. Place (1/4x28) lock nut (4) and tighten. See Diagrams 6 and 7.

STAGE IV



- (1) **Mounting the Airscreen:** Refer to diagram No. 8. Place on each side of the mounting bracket (11) in the following order; one rubber mounting gasket (13), the airscreen (25) (hold in place), another rubber mounting gasket (13), and finally the secondary mounting bracket (12). Line up all holes and bolt with 4 (1/4-28 x 1 1/2") bolts. Tighten each bolt only enough to slightly compress the rubber mounting gaskets.
- (2) **Mounting the Windshield:** Refer to diagram No. 29. With a Phillips screw driver punch holes through windshield gasket corresponding to holes in fairing (25) as shown in the diagram. Once positioned, press with hand over entire foam gasket. Then punch holes in the foam gasket at each mounting hole. Mount the windshield (18), using the 1 1/4" nylon bolts (5), washers (6), and nuts (7). Tighten bolts in order shown in diagram No. 29.
- (3) **Plug external wiring harness (17) into the receptacle in the airscreen name and serial number plate. The connector will insert only one way. Refer to diagram No. 10. CAUTION.** Care must be taken not to bend terminals when mating plug end. Make certain that the plug ends are locked together. Check all lights and turnsignals for proper operation.



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For further assistance contact Butler & Smith, Inc.
Norwood, N.J. of Compton, CA.