

## 1990-93 Miata High Flow Air Inlet Assembly

Part No. 56500

Note: This kit makes no provision for re-positioning a cruise control actuator. If your Miata is equipped with cruise control, re-position the cruise control actuator with the Cruise Control Relocation Kit (Part No. 56510) before attempting to install this air intake assembly.

1. Unplug the electrical connector from the side of the air meter. **DO NOT** attempt to remove the connector by removing the screws at the base of the connector. (Attempting to unscrew this connector may permanent damage.) Unbolt and remove the stock air filter/air meter assembly from the chassis. Carefully separate the air meter from the air filter box.
2. Remove the small bracket from the chassis which was used to support the bottom of the filter box. This bracket will not be reused.
3. Assemble the upper and lower brackets (supplied) as shown in Figure 1.
4. Attach the wire harness clip (originally attached to the front of the air meter) to the lower front leg of the mount bracket at the position labeled "A" with a nut and bolt. See Figure 1.
5. Mount the aluminum duct to the air meter using three nuts (at this time do not place a nut on the lower stud labeled "B" as shown in Figure 2).

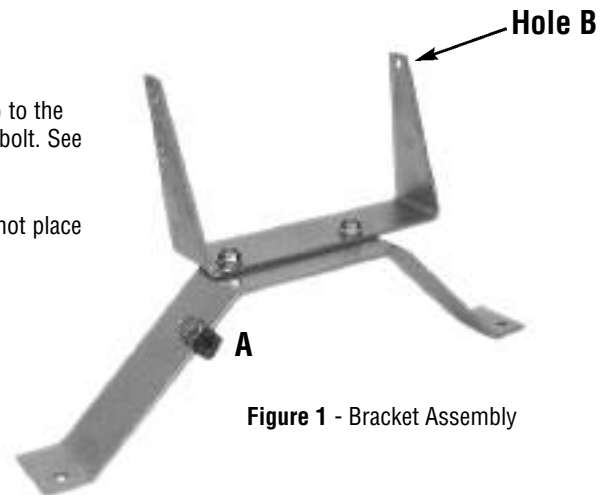
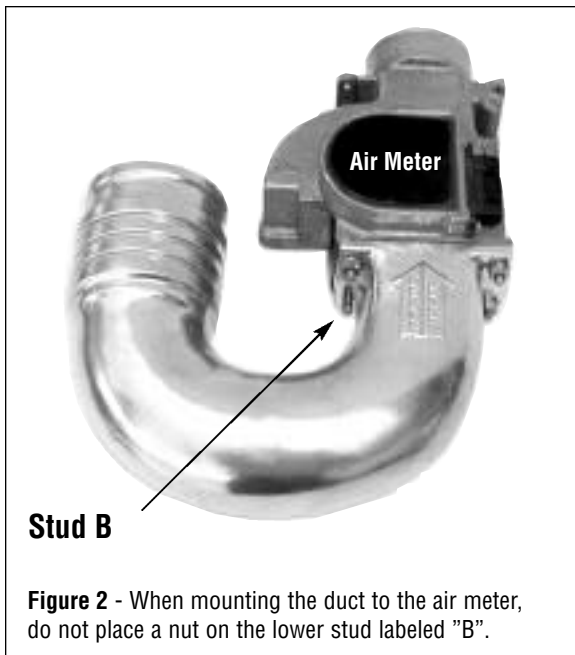


Figure 1 - Bracket Assembly



Stud B

Figure 2 - When mounting the duct to the air meter, do not place a nut on the lower stud labeled "B".

Attach the front of the air meter to the bracket with two (2) bolts at this location.

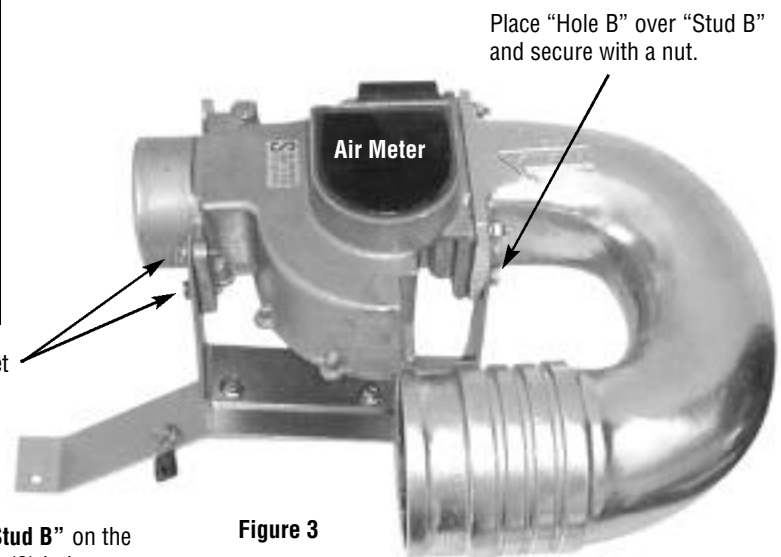


Figure 3

Place "Hole B" over "Stud B" and secure with a nut.

6. Hook the single "Hole B" on the mounting bracket over "Stud B" on the air meter as shown, then swing the bracket up and install two (2) bolts to attach the forward end of the air meter. Install a nut on "Stud B" and tighten all fasteners. See Figure 3.

7. Position the assembly into the engine compartment so that the legs of the lower bracket sit on the frame rail. Install bolts through the bracket legs into the corresponding threaded holes in the chassis. See Figure 3. (If equipped with power steering, the forward leg fits under the power steering reservoir). You may find it necessary to slightly bend the legs of the bracket so the holes align.

8. The wire harness leading to the air meter must be carefully straightened and re-positioned to give adequate length. After attaching the connector to the air meter, attach the wire lead to the clip on the bracket leg. See Figure 4.

9. Slip the air filter element onto the aluminum duct and tighten the clamp to secure the filter. This filter has been pre-oiled at the factory. Re-install the rubber intake hose onto the air meter and tighten the clamp to secure the hose. See Figure 4.

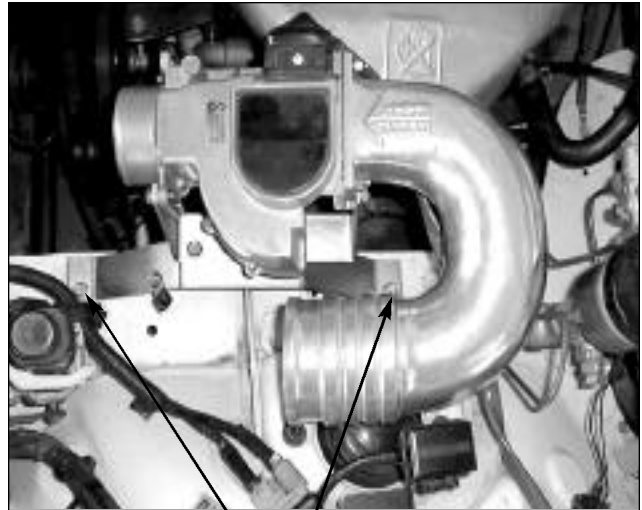


Figure 3

Position the bracket over the holes in the frame and secure with two (2) bolts.

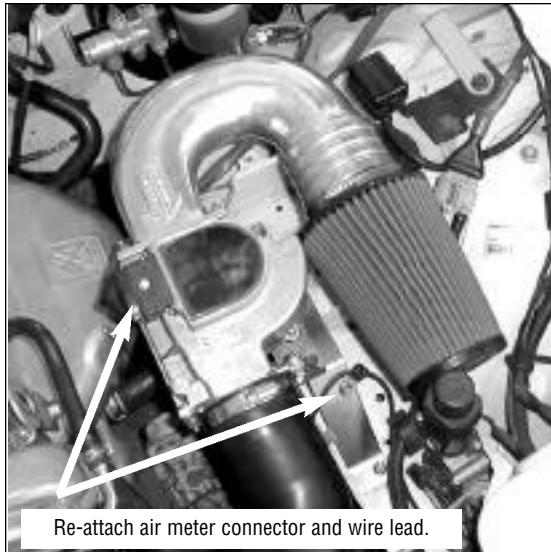


Figure 4

Re-attach air meter connector and wire lead.



Figure 5

11. Carefully inspect the area between the aluminum duct and the brake master cylinder and outlet tube to ensure that no contact can occur. See Figure 5. If needed, slightly bend the intake mounting bracket to allow clearance.

12. Gently lower the hood and check for clearance. If needed, slightly bend the intake mounting bracket to allow clearance.

Note: This intake has been certified by the California Air Resources Board (CARB) as emissions compliant for the 1990-93 Miata. The intake mounting bracket will have a exemption decal (shown at right) placed on the front leg of the bracket.

**RACINGBEAT<sup>INC.</sup>**

High Flow  
Air Inlet Assembly

**ARB E.O. NO. D-450**

Decal Sample

#### Care Of the Air Filter:

Your Air Inlet Assembly has been equipped with a low restriction K&N air filter. If cared for properly, this air filter should last indefinitely. To care for your filter, obtain the K&N Recharger Kit to clean and re-oil your filter. This inexpensive kit contains everything needed to clean and re-oil your filter.

Use these part numbers to order the required parts:

K&N Recharger Kit	Part No. 55019
K&N Replacement Filter	Part No. 56520