

# M's RAM AIR SYSTEM

## CARBON DUCT INTAKE KIT

### Installation Instructions

FR-0511/FR-0513

FN2 CIVIC type R K20Z4

Thank you for buying the GruppeM Ram Air System  
Before installation, verify that you have all of the parts in the Parts List on the right.



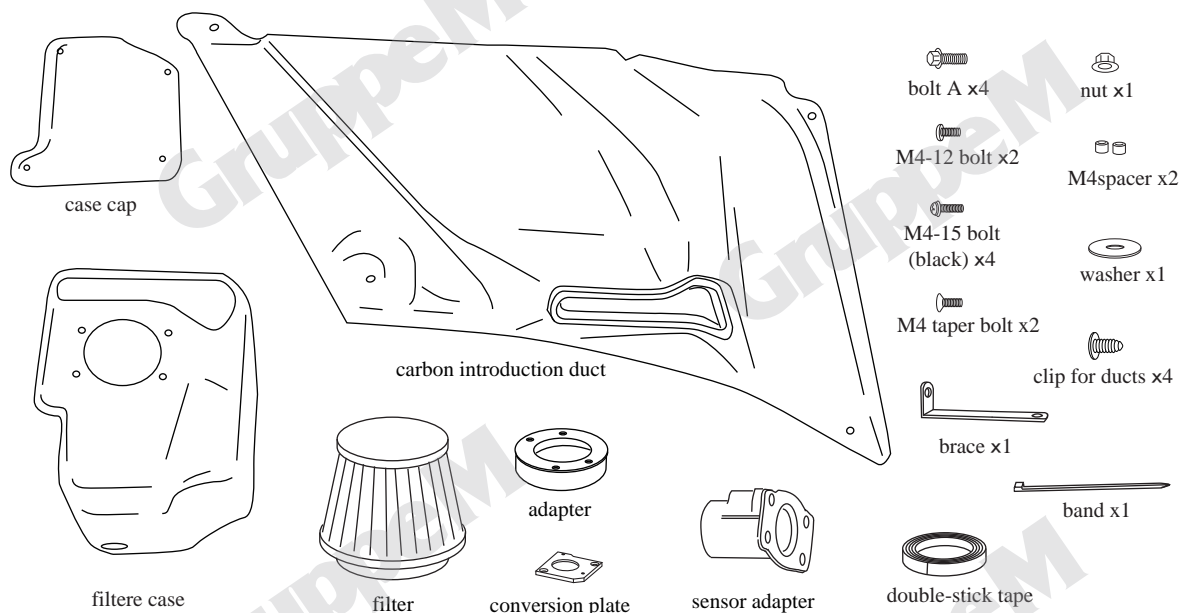
#### CAUTION

- Please read the entire instruction manual before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts and our installation manual for future use.
- GruppeM Inc. will not be held responsible for installations to any motor vehicle model other than the one specified.
- Ensure you have all necessary tools before proceeding.
- Disconnect the negative battery terminal before proceeding.

#### -Caution-

- \* The filter case has a drain hole, but do not drive in the rain with the inlet air duct fully open.
- \* The inlet air duct is removable. Remove or attach, depending on conditions.
- \* Before washing the car, close the inlet air duct.

#### PARTS LIST



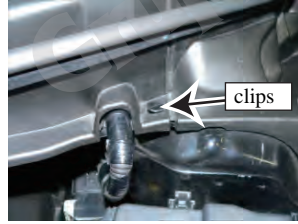


# Install Ram Air System

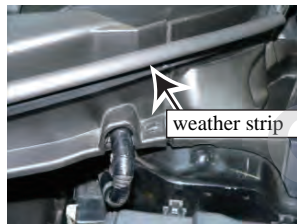
FN2 CIVIC type R



1. Remove the insulator hood and cowl top.



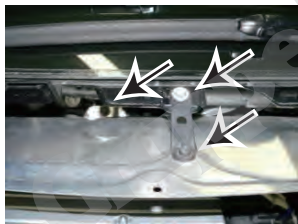
2. Remove the three (3) clips holding the cowl in place.



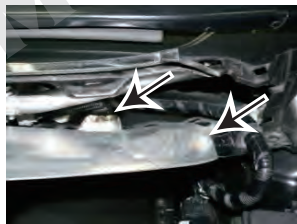
3. Remove the aluminum plate underneath the cowl top indicated by the black arrow.



4A. Remove both left and right bolts.



4B. Remove the center and inner bolts.



4C. Remove the aluminum plate.



5. This is what the engine bay looks like with the aluminum plate and cowl top removed.



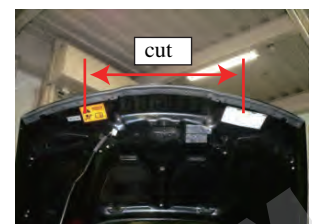
6. This is what the OE filter looks like before removal.



7. Remove the wiring clip.



8. Loosen the hose clamp then remove the upper OE filter assembly followed by lower assembly and air duct.



9. Either remove the weather strip or cut the area indicated by the line as shown in the picture.



10. Since the supplied brace is attached to the battery stud.



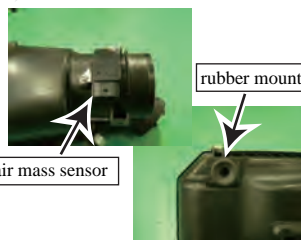
11. The nut on the battery j-bolt will be installed upside down so the brace is mounted properly.



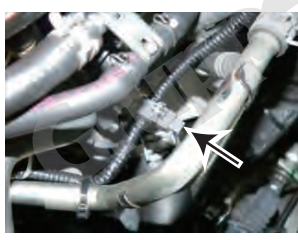
12. The installed bracket should be mounted in the following order on the battery j-bolt: upside down OE nut -> washer -> battery hold down -> brace -> nut.



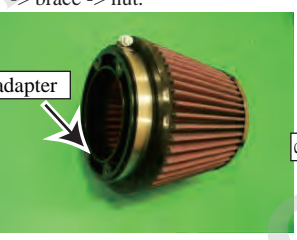
13. Mount the bracket as shown here.



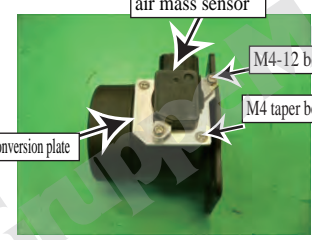
14. Remove the MAF (air sensor) and rubber mounts from the OE intake box.



15. To mount the MAF (air sensor) in a downward position, remove the wiring bracket and secure with a zip tie so that the sensor wiring will reach the MAF.



16. Connect the filter and adapter.



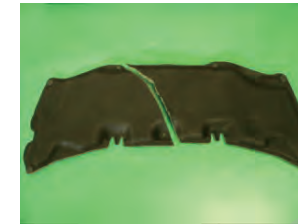
17. The adapter plate and MAF are attached to the sensor adapter.  
Note - The M4 a spacer is inserted under the M4-12 bolt.



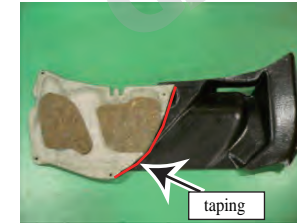
18. This is what the hood insulator looks like after processing.



19. Cut the hood insulator in half as indicated by the red line.  
NOTE - For LHD applications, cut opposite as shown.



20. Trim the sound-absorbing material as needed to correctly align with the carbon induction duct.



21. Tape the cut edge of the hood insulator to prevent separation as shown in the picture.



22. Re-install the cut part of the hood insulator and secure with OE clips. The center is secured together with the carbon air duct.



23. Attach double-sided tape to the back side of the air duct as shown in the picture.



24. The carbon air duct is installed using double-sided tape. The edge of the carbon air duct will slightly overlap the cut hood insulator as shown in the picture.



25. The air filter (is inserted), the filter case and MAF (air sensor) are bolted together.



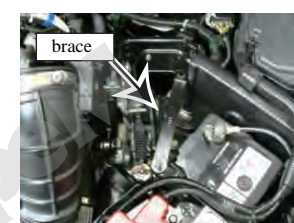
26. Attach the MAF adapter to the filter with the MAF connector in the downward position. Secure with bolt A.



27. Attach the filter case cap (lid) to the filter case and secure with the M4-15 bolt (black).



28. Install the rubber mount removed from the OE air box to the filter case as shown.



29. Secure the brace as shown in the picture. The brace is turned to the ECU in order to install the filter case.



30. The filter case is placed in the engine bay.



31. Mount the brace to the filter case assembly as shown.



32. Close the hood/bonnet once to confirm the filter case and the induction duct is connected properly and the brace is secure.



33. Connect the MAF sensor coupler.



34. Re-install the aluminum plate



35. Re-install the cowl.  
36. Installation of the intake system is now complete.

We hope you enjoy the power and performance of your new intake system.  
Thank you for choosing GruppeM.