
TDR Cold Air Intake for the NC

Year: 2006-2015 Mazda MX-5
Models: TDR-CAI-NC



Thank you for purchasing the Track Dog Racing Cold Air Intake for the NC. The Cold Air Intake is designed with and very efficient K&N Filter and once installed, allows for easy cleaning without removing the front bumper. The TDR Cold Air Intake is made from multi-layer silicone tubing and will insulate the intake air much better than those made of metal. The smooth black finish blends in well with the other engine bay components..

The TDR Cold Air Intake is supplied with all the hardware needed for the install. Please read the instructions completely before starting. The following tools will be needed for installation.

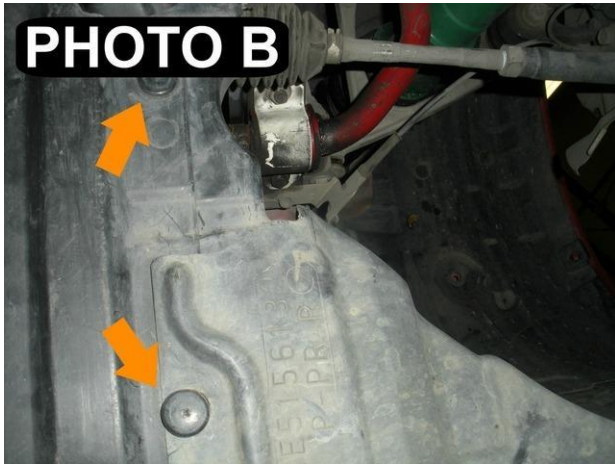
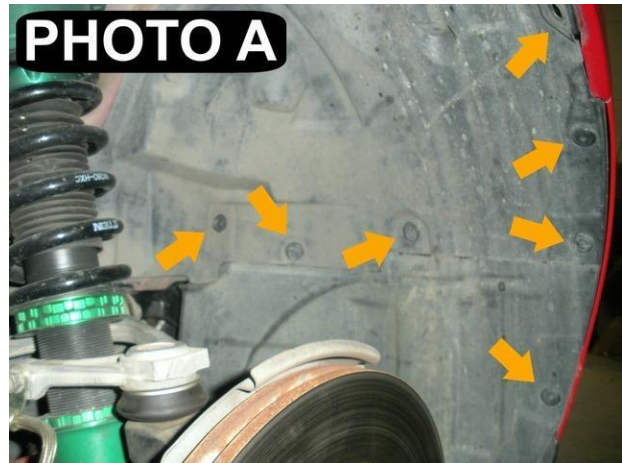
Tools Needed

Socket wrench	10mm Socket	Phillips Screw driver
10 mm wrench	Hacksaw	

Instructions

1. The Cold Air Intake requires removal of the front bumper cover for the initial installation. Later servicing can be done with the bumper cover in place. Raise the car and place on jack stands. Remove both front wheels.

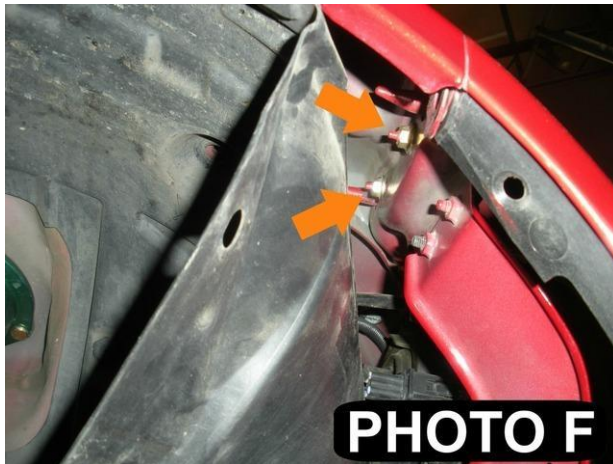
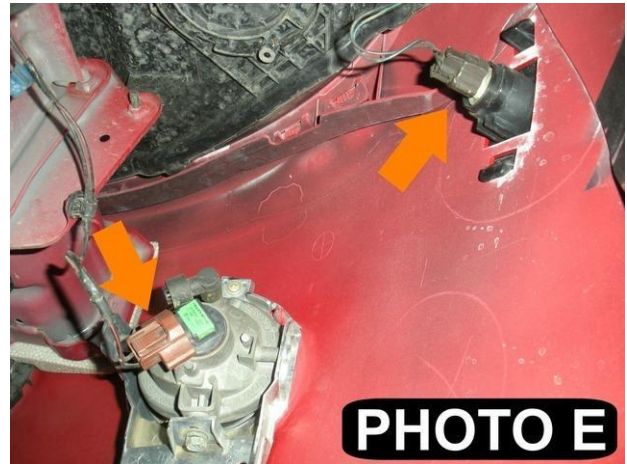
2. You will need to remove the front fender well trim and under tray. Remove plastic fasteners in the front fender well as shown in **Photo A** with a Phillips screwdriver. Be careful not to strip them.



3. You will also need to remove additional plastic fasteners as well as some 10mm bolts underneath the car as shown in **Photo B, Photo C and Photo D.**



4. With the front fender liner and under tray removed you can now disconnect the fog light and side marker light wiring as shown in **Photo E**.
5. Pull the upper fender liner back to reveal two 10mm nuts that need to be removed as seen in **Photo F**.



6. The front grill has two bolt covers. Remove those to expose two 10mm bolts as shown in **Photo G** and **Photo H**. Remove these bolts as well.



7. Remove all the 10mm bolts on the top of the bumper cover as shown in **Photo J**.
8. You can now remove the front bumper cover by pulling it forward as shown in **Photo K**.

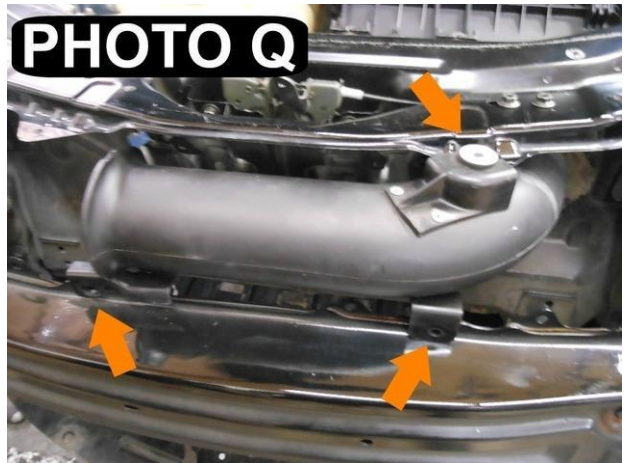
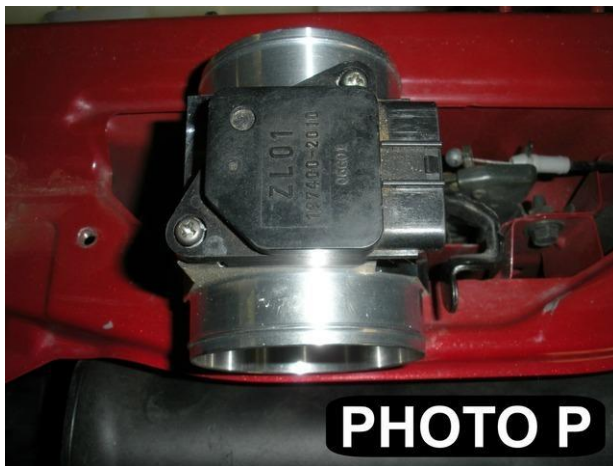
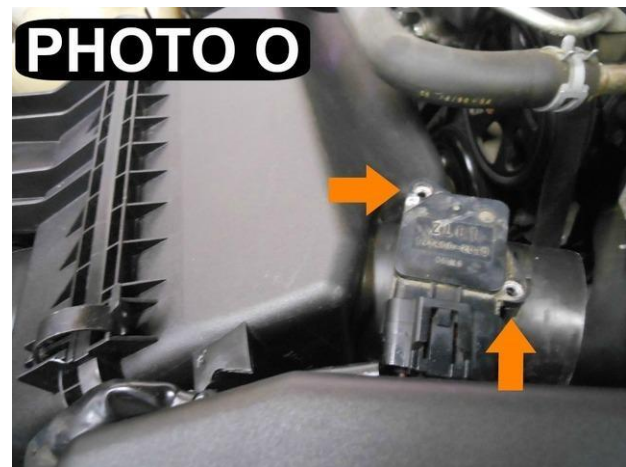
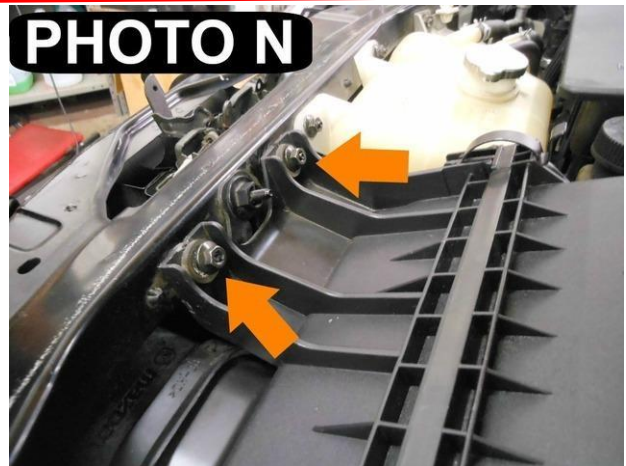


9. Under the hood, disconnect the factory air filter box from the flexible hose as shown in **Photo L**.

10. Open the air filter box and remove the lid and filter as shown in **Photo M**.



11. Remove the remain hardware holding the bottom of the air filter box and remove from engine bay as shown in **Photo N**.
12. Remove the two screws holding the Mass Airflow Sensor onto the factory air box lid as shown in **Photo O**.
13. Transfer the Mass Airflow Sensor to the supplied aluminum housing as shown in **Photo P**. Install on factory hose the factory air box lid attached to.
14. Remove the factory intake tube as shown in **Photo Q**. This will not be reused.



15. This step is optional but recommended by TDR. Remove the factory plastic tray for better air flow as shown in **Photo R**.



16. Use a hack saw or similar tool to cut the center tab off the bumper in front of the air intake opening as shown in **Photo S**.

17. Apply some paint along cut area for rust prevention as shown in **Photo T**. Color does not matter as this area will not be seen.



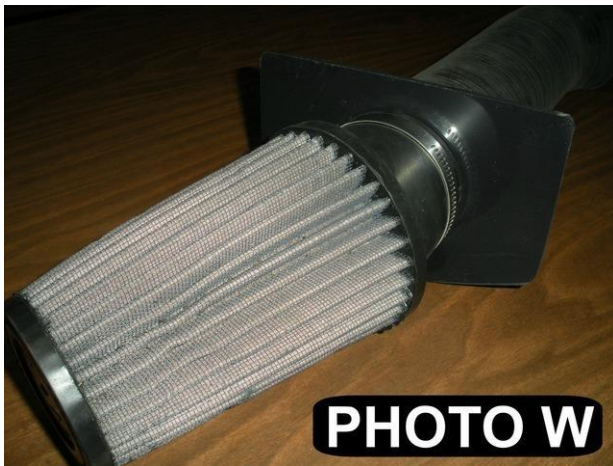
18. Install weather strip as shown in **Photo U**. This will protect the open element air filter from abrasion.



19. Now you need to assemble the TDR Intake. First install the metal sleeve on the air filter element as shown in **Photo V**.

20. Install the supplied plastic shroud as shown in **Photo W**. Notice the curved side faces down.

21. Now install the silicone tube as shown in **Photo X**.



22. To install intake bend silicone tube in the middle and feed filter through air filter opening in the front cross-member as shown in **Photo Y**.

23. Attach hose to aluminum housing as shown in **Photo Z** and reconnect mass air flow sensor wiring.



When cleaning your Track Dog Racing Air Filter , do not use high-pressure water directly on the label as it might remove it. Do not apply wax directly to the Air Splitter as it will be difficult to remove the dry film from the textured surface. Using an oil-base product that you would normally use on vinyl will enhance the appearance



We hope you enjoy your new Track Dog Racing Cold Air Intake. If you have any comments or suggestions, please let us know.

We appreciate your business,

The Track Dog Racing Team

Notes: