

# 2013+ SUBARU BRZ / SCION FR-S / TOYOTA GT86 PERFORMANCE AIR INTAKE

## PARTS LIST AND INSTALLATION GUIDE

### PARTS LIST

**2PC** | ALUMINUM INTAKE PIPE

**1PC** | ALUMINUM INTAKE PIPE WITH MAF FLANGE AND  
AIR STRAIGHTENER

**1PC** | AIR FILTER

**1PC** | ALUMINUM DIVERSION PLATE

**1PC** | 2.75" TO 3.0" SILICONE TRANSITION COUPLER

**2PC** | WORM-DRIVE CLAMP

**1PC** | 1/16" RUBBER STRIPPING, 7" LONG

**1PC** | 1/16" RUBBER STRIPPING, 12" LONG

**1PC** | CARB EO STICKER

### TOOLS NEEDED

FLATHEAD SCREWDRIVER	12MM WRENCH
PHILLIPS SCREWDRIVER	3MM ALLEN WRENCH
10MM SOCKET	POP-CLIP PLIERS
12MM SOCKET	INSTALLATION TIME: 1-2 HOURS
1/4" DRIVE RATCHET	DIFFICULTY LEVEL: 3/5
1/4" DRIVE 6" EXTENSION	

### DISCLAIMER

- Please dispose of any liquids properly.
- Allow vehicle to cool completely prior to attempting installation.
- Mishimoto Performance (MP) is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of MP products.
- MP always suggests that a trained professional install all MP products.
- Do not run the engine or drive the vehicle while overheating. Serious damage may occur.
- Raise vehicle only on jack stands or on a vehicle lift.

## INSTALLATION INSTRUCTIONS

### 01 | REMOVING THE BUMPER

1. Raise the vehicle on a floor jack or lift. If using a floor jack, be sure the vehicle is properly supported on jack stands.
2. Disconnect the negative battery terminal.
3. Remove the five 10mm mounting bolts securing the top of the front bumper.

4. Remove the two pop clips securing the top of the bumper to the radiator support.

5. Remove the upper molding across the top of the bumper.



6. Remove the three small fender clips located in both the passenger and driver side fender wells.



7. Remove both side marker housings. After pulling out the housing, locate the clip on the inside of the marker housing slot. Remove this clip on both the driver and passenger sides of the bumper.



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# 01

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8. Remove the final bumper clip on the inside of the wheel well near the side marker housing location. Repeat this process on the opposite side of the vehicle.
9. Remove the seven plastic pop clips underneath the front bumper.
10. Remove the two remaining 10mm bolts on the bottom of the bumper.



11. Now that all the bumper hardware has been removed, the bumper can be separated from the vehicle. Carefully pull the bumper away from the vehicle; an audible pop will be heard as the bumper unclips.
12. Before the bumper can be fully separated, a few wiring harnesses need to be disconnected. Disconnect the indicator light harness from both the driver and passenger sides.
13. If equipped, disconnect the harness powering the light-up emblem for the front bumper.
14. You should now be able to completely remove the bumper from the vehicle.

### 02 | REMOVING THE STOCK INTAKE

1. Disconnect the wiring harness for the mass airflow (MAF) sensor, and remove the two Phillips head screws that hold the sensor in position.
2. Disconnect the airbox assembly from the vehicle. This is secured using three 10mm bolts and one clamp that hold the induction hose to the airbox.



3. Once all the connections have been detached, remove the factory airbox from the vehicle.
4. Remove the stock intake snorkel from the vehicle. This is secured with two 10mm bolts.
5. Remove the stock plastic air diversion shield. This is secured to the radiator support using five plastic pop clips.

### 03 | INSTALLING THE MISHIMOTO INTAKE

1. Prepare the Mishimoto air diversion shield for installation. Attach the supplied rubber gasket edging to the upper left corner of the panel.
2. Install the Mishimoto air diversion shield on the driver's side of the radiator support using two factory pop clips.



3. Remove the six 12mm bolts for the upper radiator support. Two of these bolts are located on the lower portion of the support between the electric fans. Do not remove the radiator support unit completely.
4. Install the supplied rubber gasket edging to the driver's side of the upper radiator support. Run a length of material on the inner and outer edges. This will prevent any rubbing or damage to the Mishimoto intake pipe.



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# 02

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**5.** Insert the Mishimoto intake pipe through the radiator support. Lift the support slightly to slide the pipe underneath for proper clearance.

**6.** Install the mounting bolt for the cold-air intake pipe. This 10mm bolt will thread into the mounting location for the factory airbox.



**7.** Install the MAF pipe into the factory induction hose. Be sure the air straightener end of the pipe is oriented toward the driver's side of the vehicle.

**8.** Loosen the included worm-gear clamps and slide them over the coupler prior to installation. Install the supplied silicone coupler to the other end of the MAF pipe, mating the intake pipe to the MAF pipe.

**9.** Once in place, secure the pipes and couplers together. Tighten the coupler clamps with a flathead screwdriver. Use a 10mm socket to tighten the induction hose clamp.

**10.** Reinstall the MAF sensor and secure it into place with the supplied 3mm Allen bolts.

**11.** Once secured into position, reconnect the MAF connector.

**12.** Now that the intake is assembled, tighten the six 12mm bolts for the upper radiator support.



**13.** Install the air intake filter to the end of the intake pipe, and secure it in place with the included clamp and a flathead screwdriver.

### 04 | REINSTALLING THE FRONT BUMPER

**1.** Now that the intake is fully installed, it is time to reinstall the front bumper. Place the bumper into position, and attach the wiring connectors for the signal indicators and front bumper light-up emblem (if equipped).



**2.** To make the installation of the side marker assembly easier, route the harness through the slot in the bumper for both the driver and passenger sides.

**3.** Now that all the wiring has been sorted, carefully snap the bumper into place.

**4.** Reinstall the small pop clip near the side-marker assembly location on both the driver and passenger sides.

**5.** Reinstall the pop clip on the inside upper portion of the side-marker location on both the driver and passenger sides.

**6.** Reconnect the wiring for the signal indicator, and clip the assembly into position in the bumper. Repeat this step for the second signal indicator.

**7.** Reinstall the seven pop clips on the bottom of the bumper.

**8.** Reinstall the two 10mm bolts on the bottom of the bumper.

**9.** Reinstall the molding piece for the upper bumper. Place this into position on the top of the bumper and reinstall the two pop clips to secure it in place.

**10.** Reinstall the five 10mm mounting bolts that hold the top of the bumper to the radiator support.

**11.** Reconnect the negative terminal on the battery.

**12.** Please place the included CARB EO sticker in a clean, visible location.

**13.** You have now successfully installed the Mishimoto Subaru BRZ / Scion FR-S Performance Cold-Air Intake. Enjoy!