

Good-Win Racing's Installation Instructions for Monsterflow Intake with or without Cool Air Box¹

PRELIMINARY ON TUBE CARE. If you have purchased our polished cross tube, use a non-abrasive aluminum polish to keep your polished aluminum cross tube looking great. Note that aluminum is a soft material and harsh cleaners with any sort of abrasive content can scratch---make sure tube is clean inside and out before installation or reinstallation. Note that all the tubes have slight imperfections caused by the mandrel bending machine. Note that installation of the optional cool box may be complicated by the presence of cruise control because dealers are not consistent with their installation location for the cruise control relay (or the length of wiring harness used). Depending on the length of the wire provided for the cruise relay, it can be attached to various available holes on the driver's side fender. **FILTER CARE**---Follow the instructions provided in the MonsterFlow box on cleaning and re-oiling.

TOOLS and OVERVIEW: This is a very easy installation and requires only a metric socket set, a flat head screw driver, and a pair of needle nose pliers. If you have questions or would like to order the optional cool box (see www.good-win-racing.com), just give me a ring at 858-775-6259.

1. Loosen the hose clamp that joins the Air Flow Meter to the plastic factory intake cross pipe. Disconnect valve cover breather tube from factory intake cross pipe. Loosen hose clamp that joins the factory plastic intake cross pipe to the throttle body and remove cross pipe.
2. At the factory air box disconnect the electrical connectors from the Air Flow Meter and air temperature sender.
3. Disconnect the three wire harness support clips from the Air Filter Box by using a pair of needle nose pliers to pinch the clip ends. Remove the factory Air Filter Box from the chassis.
4. Under the factory air box you will see a triangular support bracket held down by two bolts and one nut. Remove this Air Filter Bracket.
5. If you are installing our optional cool box, remove the bolt that secures the front of the plastic Relay Mount Panel. This is a small plastic panel with two relays mounted on it next to the fender wall at the forward edge of the driver's side of the engine compartment next to the power steering pump reservoir. Remove the relays from the plastic panel and **CAREFULLY** set them aside (do not disconnect the wires to the relays). Note that you will reuse the relay mounting bolts to mount the relays on the cool air box after it is installed so retain the bolts, etc. (Note that some Miatas have a third relay for cruise control here and many of these are dealer installed and the wiring varies such that we do not put a hole for mounting this third relay because we can't know that the third relay is mounted such that you can reach the hole we make. If you have this third relay it can be mounted to a factory hole on the fender or you can drill a hole in the cool box as the length of the relay's wiring allows.)
6. Remove the Air Flow Meter from the factory Filter Box by removing the two retaining bolts and pulling the meter from the box.

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7. Remove the Air Temperature Sensor from the factory air box by gently pulling while twisting.
8. For installation of the optional cool box, note that the box will be held in place by two nuts in factory locations. One location was vacated when we removed the Air Filter Bracket. One is currently used for the rear mount of your power steering reservoir. Remove the rear bolt from the power steering reservoir mounting plate. Guide the Cool Air Box into place (shorter part toward front with round hole in box pointed out across top of radiator) and reinstall factory power steering mount nut so that it holds both the power steering pump rear and the Cool Air Box. Finally, install Air Filter Bracket nut through remaining hole in bottom of Cool Air Box.
9. Install relays into two holes provided in Cool Air Box such that they will be very close to their factory mounting location.
10. Install flexible hose connectors included with your new MonsteFlow intake kit on either end of your new cross tube.
11. Install new cross tube by connecting the end with the 90 degree bend to the throttle body with flexible hose connectors and hose clamps. NOTE: most people over tighten hose clamps. Unless you are pumping 15psi through your engine with a turbo you do not need your hose clamps very tight--snug is the word. If you use a wrench on hose clamps you will over tighten them and likely break them. Use an ordinary screw driver on the hose clamps and do not over tighten.
12. Install Air Flow Meter onto Cross Pipe using flexible hose connectors such that electrical connection for Flow Meter points toward the engine.
13. Reconnect Air Flow Meter electrical connection.
14. Connect valve cover breather tube to silver connector in cross tube that faces engine. A few inches to the driver's side of that connection you will notice a hole in the Carbon Fiber tube partially filled with a large rubber grommet. Reconnect temperature sensor and install it into this rubber grommet in Carbon Fiber Cross Tube.
15. Time to open the filter box for your new MonsterFlow filter. Note that the MonsterFlow filter comes with a manual regarding use and cleaning. Install filter with connector hose onto cross tube and fasten appropriately with hose clamp. If you have the cool box, guide the filter connection end through the large hole in the Cool Air Box and onto its connection with the factory Air Flow Meter. Double check each hose clamp is snug.
16. Note that Monsterflow includes a bracket to the kit that can be used to connect a tab on the filter to the nut through the bottom of the Cool Air Box. This bracket was designed for buyers of the intake who do **not** buy the Cool Air Box and is not needed with the cool air box.
17. Drive and have fun. You will notice the car sounds relatively stock at idle with a hiss of induction sound but more throaty when you step on the gas. You will also notice improved throttle response.