

Z-Chip

For the Mitsubishi Lancer Evolution X

Thank you for your purchase of the Zeitronix Z-Chip. The Z-Chip is intended for use with the Mitsubishi Lancer Evolution X.

For up to date information, pictorial installation, maps, and compatibility with other vehicles please visit the Z-Chip forums online at **www.ZChip.Net**

Z-Chip Programming:

The Z-Chip is a programmable device. If the Z-Chip was purchased and installed through a Zeitronix dealer then your Z-Chip is already mapped and ready for use for use. Z-Chips purchased from Zeitronix directly do not include mapping and will not alter your vehicles performance until setup using the free online tuning software.

Programming the Z-Chip is only recommended for experience tuners with access to a Dynamometer and tools such as the Zeitronix Zt-2 for monitoring the vehicle's AFR, Boost, and EGT information. For good and bad the Z-Chip has a wide mapping range. Zeitronix is not responsible for damaged incurred while using the Z-Chip. Use at your own risk.

To program the Zeitronix Z-Chip:

1. Open the Z-Chip's cover by removing the 4 Philips head screws.
2. Attach a DB-9 serial cable between the Z-Chip and a pc computer.
3. Download and install the Z-Chip Tuner software available online at the following URL:
http://www.zeitronix.com/zdl/z_chip_software.htm
4. The Z-Chip has two internal tuning maps: Tuner map, and Custom Map. Use the software to update the custom map values and set the Z-Chip to use the Custom Map.
5. Unplug the Z-Chip from the computer and replace the cover and screws. The Z-Chip is now ready for installation.
6. Add or subtract engine load and rpm points load as needed. One point equals approximately 0.02V.

Installation:

The Z-Chip can be installed in just a few minutes. For a visual walk though of the installation steps please visit the Z-Chip forums at <http://www.zchip.net/showthread.php?t=20>

1. Remove the plastic engine cover and locate the MAP sensor. The sensor is located on the intake manifold towards the front of the vehicle on the left between the first and second intake headers.
2. Using pliers remove the metal retaining clip holding the MAP sensor harness to the MAP sensor. Disconnect the harness from the sensor. Keep this retaining clip.
3. Locate the Z-Chip connector with attached retaining clip. Remove the retaining clip from the connector. Keep this retaining clip.
4. Attach the Z-Chip connector to the MAP sensor and reinsert either retaining clip to lock it closed.
5. Locate and attach the Z-Chip's other connector to the MAP sensor's wiring harness. Insert the other retaining clip here to lock the connectors together.
6. Locate the engine wiring harness. Find the white wire with a red stripe (tachometer signal wire).
7. Tap the Z-Chip's green RPM reference wire into the white and red striped wire. For easy installation a wire splicer can be used.
8. Tie down the Z-Chip in the engine compartment away from heat, rotating parts and spark plug wires. Near one of the headlight cavities is recommended.
9. Replace the engine cover. Installation is complete.

Warning!

The Zeitronix Z-Chip is for automotive and off road use only. Do not expose to extreme heat. Zeitronix Inc. is not responsible for any damages caused through use of the Zeitronix Z-Chip. Use of the Zeitronix Z-Chip is done at your own risk.