

MX5 EV14 Kit Fitting instructions

Contents:

- 4x EV14 injectors with pre-installed top hat adapters and lower seals
- 4x Denso-EV14 harness adapters
- 3x fuel rail spacer washers

Fitting:

1. Remove existing injectors from the engine. Note – the lower seals often get stuck in the head/manifold and should be removed
2. Connect a harness adapter to each injector
3. Lubricate the injector o-rings. Vaseline / petroleum jelly is ideal but most lubricants will work.
4. Push the injectors into the fuel rail
5. Apply a very small amount of grease to the lower injector seals to improve sealing (optional)
6. Place a fuel rail spacer washer on top of the OEM fuel spacers
7. Lower the fuel rail and injector assembly into position
8. Carefully check that each injector is properly seated. DO NOT push down on the fuel rail. When aligned correctly, the lower seals will push in with very little force.
9. Bolt down the fuel rail to the OEM torque spec (14-19ftlb)
10. Connect to the ECU through MEITE and set the injector size in the injection driver
11. Set the injector dead times (Injection -> Inj. Dead time) as per the tables below:

Injector dead time data (640cc)

Batt. Voltage	Inj. Dead Tim...
6	5.5
7	4.2
8	3.19
9	2.32
10	1.87
11	1.57
12	1.35
13	1.15
14	1.01
15	0.9
16	0.83
17	0.79

Injector dead time data (550cc, 380cc)

Batt. Voltage	Inj. Dead Tim...
6	4.38
7	3.34
8	2.53
9	1.84
10	1.48
11	1.24
12	1.06
13	0.9
14	0.79
15	0.7
16	0.64
17	0.61

Note: Fuel (VE) table tuning is normally required after a change of injectors. We offer a [remote tuning service](#) to adjust and fine tune the VE table as required.