

Mazda EWG 2.5T Add On Connector Install Guide

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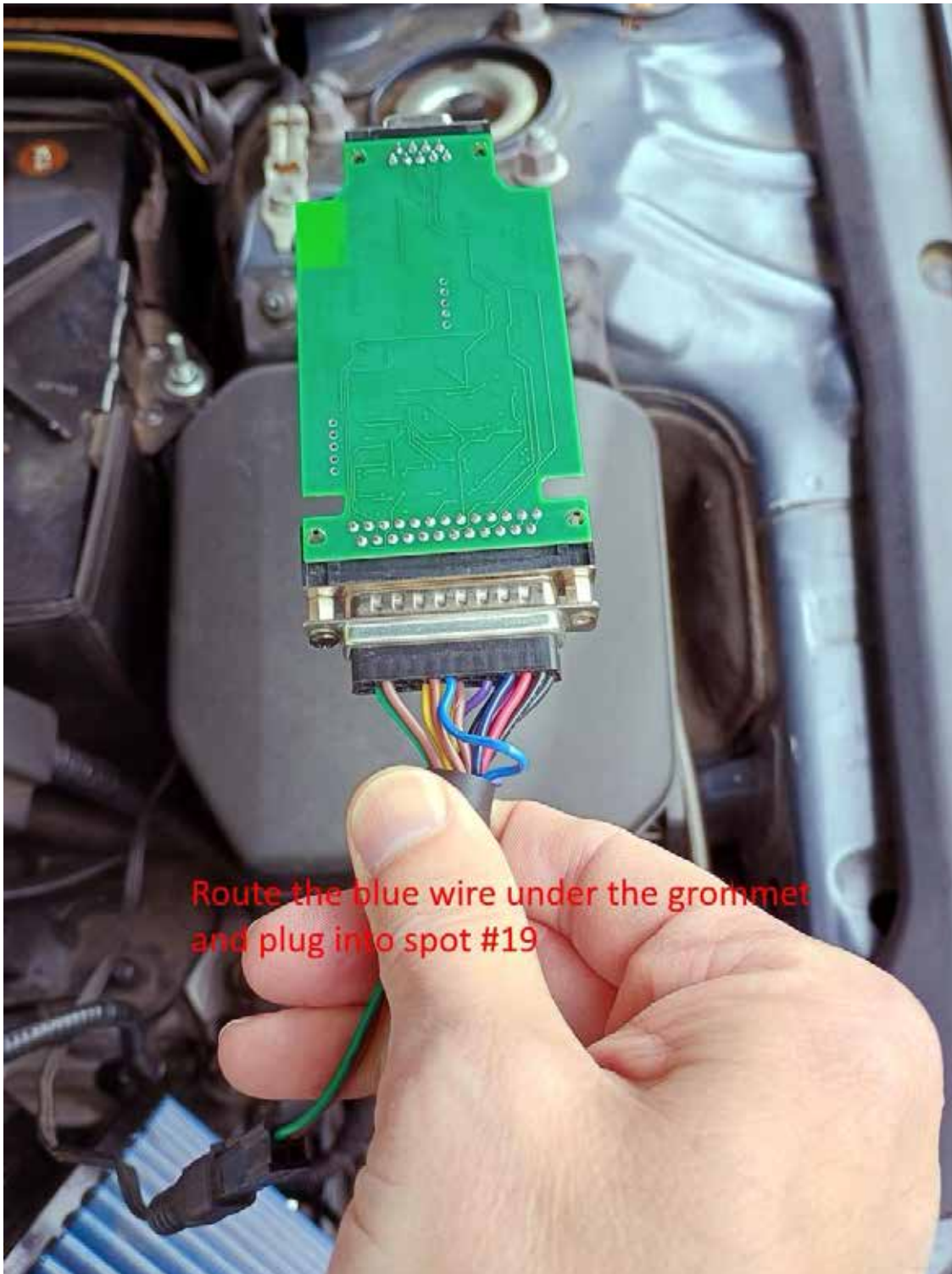
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⚠ ATTENTION: Before starting installation lock the doors and place the key at least 20 feet away from the vehicle. Wait 10 minutes for the vehicle to go to sleep.

The new EWG connection allows the JB4 to directly add and subtract wastegate duty cycle (WGDC) from the wastegates providing additional tuning flexibility. You'll first pin it into the JB4 harness then attach it to the wastegate under the inlet/battery.



Route the blue wire under the grommet and plug into spot #19



Route the purple EWG wire under the grommet and plug into spot #9



EWG connector is attached to the turbo under the inlet. Remove the turbo inlet to access the wastegate. Remove the OEM EWG connector, attach it to the JB4 harness, and plug the JB4 EWG harness into the wastegate.

Adjust the base JB4 settings as shown including pid gain 10, duty bias all 50, FF 50, to start. Then email in a JB4 log 40-90mph on a safe private track and we can help you further dial in the settings.

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System Info **Basic Settings** Options

- Boost Safety
- Default WG Pos
- PID Gain
- Shift Boost Red
- FF / WG Adp
- Fuel Open Loop
- Boost Drop 1st
- Boost Drop 2nd
- Boost Drop 3rd

Save All

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Settings **By RPM Settings** Water/

RPM	Map6psi	FuelBias	DutyBias
1500	14.1	N/A	50
2000	17.0	N/A	50
2500	21.0	N/A	50
3000	22.0	50	50
3500	24.0	50	50
4000	24.0	50	50
4500	24.0	50	50
5000	24.0	50	50
5500	22.0	50	50
6000	20.0	50	50
6500	18.0	50	50
7000	18.0	50	50

Save All

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