



PWM Components Installation

Installation Instructions

v1.0

Introduction

This electronic component kit contains everything you need to add PWM functionality to your Honda ECU. This will allow you to use eCtune's Electronic Boost Controller. This guide assumes you have a basic knowledge of electronics.

WARNING: You must observe proper Electrostatic Discharge (ESD) precautions to ensure you do not damage your hardware components. We recommend using a ground strap at all times while handling the components. By installing the provided components you acknowledge that eCtune assumes no responsibility for damaged components or hardware.



Component Installation

Some of the components provided are directional meaning they must be installed a certain way for them to work. This guide assumes you have the ECU oriented with the harness connectors to the left. Please keep this in mind as improper component installation can cause ECU problems.

Some ECUs already have some of the required parts installed. If you encounter a component that is already installed, do not replace it.

- 1)** Locate the following locations in your ECU and desolder them:
 - Q20 (located in the top right area)
 - Q29 (located in the top left area)
 - D14 (located in the top left area)
 - R70 (located in the top left area)
 - R71 (located in the top left area)

- 2)** Take the components labeled Q20 and Q29 and install them in their respective places in the ECU. Please note that these are directional transistors meaning they only work one way. With the ECU plugs oriented to the left, the writing on the transistor should face you.

- 3)** Locate D14 on the ECU board. Install and solder in the component labeled D14 with the stripe on the left.
- 4)** Locate R70 on the ECU board. Install and solder in the component labeled R70.
- 5)** Locate R71 on the ECU board. Install and solder in the component labeled R71.
- 6)** Double-check your solder connections.

Warranty/Disclaimer: This product is intended for off road use only and should NEVER be used on public highways. There is no warranty stated or implied due to the stress placed on competition automotive products. By installing these components you acknowledge full responsibility for any damages that may occur as a result of installation or use. eCtune warrants all products to be free of defects for (30) days from the date of purchase. eCtune shall not be liable for any special, direct, indirect, incidental, or consequential damages, that might be claimed as a result of the failure of any part, including claims for delay, loss of profits, or labor. eCtune shall not be liable for any damage or injury to persons or property resulting from improper installation or misuse of any part subject to this warranty. There are no other warranties expressed or implied extending beyond those set forth above.

