Power Editor R

HKS

INSTRUCTION MANUAL

HONDA CIVIC TYPE R [FL5]

E05253-H22041-00
April 2025
Ver.3-1.02

1. INTRODUCTION

Thank you for your purchase of Power Editor R harness.

- This manual indicates items that require attention in order to install this product safely and lists precautions to avoid any possible damage and/or accidents.
- This product was designed based on installation onto a specific factory vehicle or a vehicle using other HKS products. The performance and/or safety cannot be guaranteed if this product was installed onto other inapplicable vehicles.
- Contact HKS dealer for any lost parts, replacement, and this manual.
- HKS will not be responsible for any damage caused by incorrect installation and/or use of this product.
- This product works only with the vehicles listed in the table below.
- The specifications of this product are subject to be changed without notice.
- This manual is subject to be revised without notice.

Product	Power Editor R harness　HR-1
Code Number	42999-AH001
Use	Boost up of turbocharged vehicle
Application	HONDA CIVIC TYPE R [FL5]

2. Safety Precaution

The following pr ecautions for use of this product are to prevent possible accidents and/or injuries and for proper use.

⚠WARNING : Indicates risk of serious injury and/or possible death.

⚠CAUTION : Indicates risk of serious injury or property damage.

⚠ WARNING

- Make sure to work on the vehicle in a well-ventilated area to prevent possible explosion or a fire.
- Make sure to hold connectors when removing them to avoid possible damage to other electronics parts and/or a fire caused by disconnection or a short circuit.
- Stop using the product if any unusual situation is noticed. Consult the dealer immediately. Failure to do so may cause an electric shock, burn out, or damage to the vehicle.
- Make sure to work on the vehicle in area where a vehicle can be parked safely.

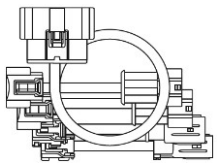
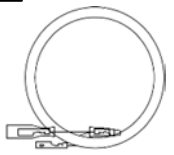
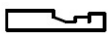
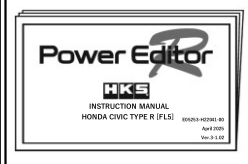
⚠ CAUTION

- Do not install this product by yourself.
- Do not modify, disassemble, and/or remodel the product and attached parts to avoid any damage to the unit and/or harness.
- To avoid possible malfunction and damage to the engine, install the unit away from excessive heat or water/moisture.
- Make sure all connections and wiring are not disconnected, short circuited, or incorrect. If so, it may cause an electric shock, burn out, or damage to the vehicle.
- If any unusual noise, scents, and/or vibrations are noticed, consult the dealer immediately.
- If any unusual noises, scents, and/or vibrations are noticed while driving, please take appropriate action according to the user manual.
- Before using this product, please check the following.
  - The ECU installed in the vehicle is a genuine manufacturer's product.
  - The ECU data is normal.
- Desorption of the connector, please go always hold the connector.
  - If you pull the cable, there is a possibility of disconnection.
- Before an automobile inspection and/or repair,it is necessary to remove this product.
- Daily maintenance on the vehicle is the responsibility of the owner.

3. Product Features

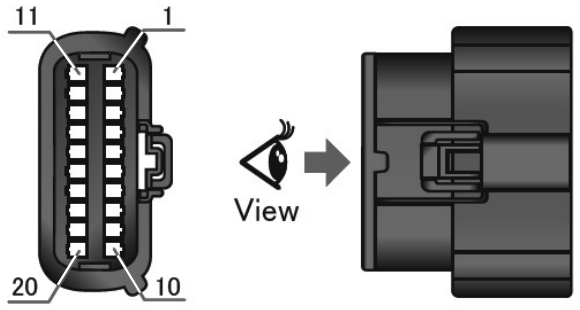
- You can increase the boost pressure by attaching this product and writing the data that is compatible with your vehicle into the Power Editor R unit.
- Even after installing this product, you can return to the normal state by connecting the "return connector" instead of the Power Editor R main unit.

4. Parts List

1  HR-1 harness 1pc.	2  Vehicle speed signal harness 1pc.	3  Female bullet crimp terminal 1pc.	4 Female sleeve 1pc.
5 Male bullet crimp terminal 1pc.	6 Male sleeve 1pc.	7 Waterproof plug 1pc.	8  Instruction manual (JP/ENG) 1pc.

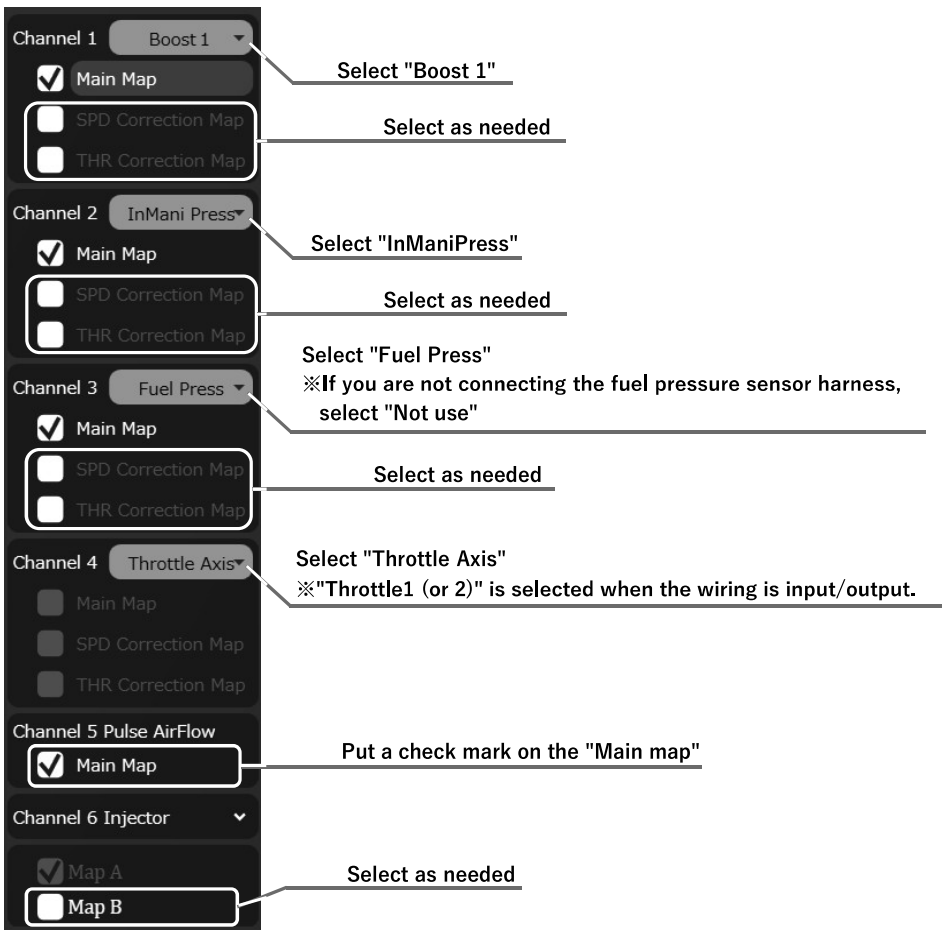
5. Harness specifications and map data settings

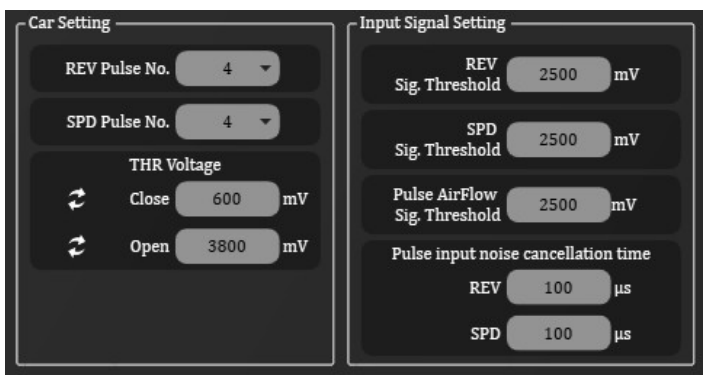
The terminals on the connector on the Power Editor R main unit (right image) of this product are wired as shown in the table below. Set the settings and parameters for each channel of the map data as shown below.



Power Editor R main unit connector

Pin	Wiring destination (function)	Pin	Wiring destination (function)
1	Boost pressure sensor (power supply)	11	Boost pressure sensor (GND)
2	Boost pressure signal (sensor side)	12	Boost pressure signal (ECU side)
3	Inlet manifold pressure signal (sensor side)	13	Inlet manifold pressure signal (ECU side)
4	Fuel pressure signal (sensor side)	14	Fuel pressure signal (ECU side)
5	Throttle position signal (sensor+ECU side)	15	−(Waterproof plug)
6	−(Waterproof plug)	16	−(Waterproof plug)
7	Air flow meter signal (sensor side)	17	Air flow meter signal (ECU side)
8	Exhaust cam angle signal	18	Vehicle speed signal or Waterproof plug (optional)
9	USB D−	19	USB D+
10	USB 5V	20	USB GND

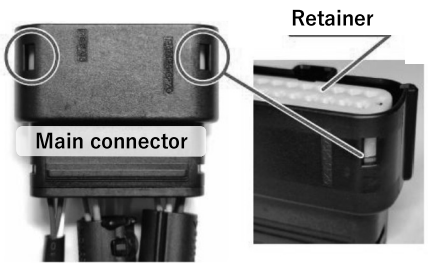


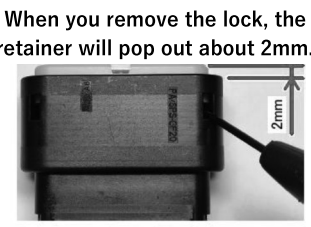


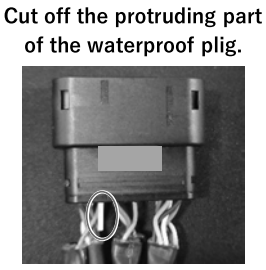
Parameter Settings

6. Harness installation

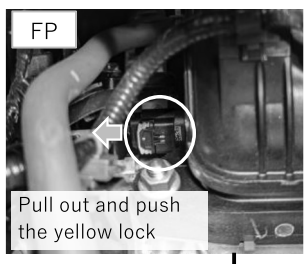
① Turn off the vehicle's engine and remove the cable terminal from the negative terminal of the battery after leaving it for at least 10 minutes. Depending on the condition of the vehicle, it may be necessary to leave it for 10 minutes or more. Please leave it for an appropriate period of time.
② Install the Power Editor R in a place that is not subject to high temperatures or direct water. If you use double-sided tape to attach the unit, clean the surface and degrease it thoroughly before attaching it, and use a tie-wrap to secure it in place. If you use only double-sided tape to attach the unit, it may come off due to aging, which can be dangerous.
③ Connect the harnesses to each sensor in the HR-1 harness. Refer to the label affixed to each sensor and the diagram below, and connect each sensor so that it fits into the original harness.
※ When connecting the connector, make sure it is securely locked.
※ If you are not making fuel pressure corrections, there is no need to connect the harness (FP label) to the fuel pressure sensor. Connect the male and female connectors of the FP harness to serve as insulation.
④ If you use vehicle speed correction, cut the wiring of the vehicle speed signal line of the ECU harness, attach a Female bullet crimp terminal to the ECU side and a Male bullet crimp terminal to the vehicle side, and connect the connector side of the Vehicle speed signal harness.For the terminal side of the Vehicle speed signal harness, remove the retainer lock（※1） on the main unit connector of the HR-1 harness and insert it into Pin 18（※2）.
If the Vehicle speed signal harness is not connected, install a Waterproof plug on Pin 18（※2 ※3）.
※1 Use a precision screwdriver (-) to lift up the retainer to release the lock. It will be easier to release the lock if you use two precision screwdrivers and lift up both the left and right at the same time.
※2 Insert it until you hear a click.
※3 Cut the waterproof plug so that it does not interfere with surrounding electrical wires.
※ Once the terminal or waterproof plug is fully inserted, it will be locked inside the connector and will not come out. Please work with great care. If you want to remove it again, you will need to completely remove the retainer and then release the lock inside the connector.

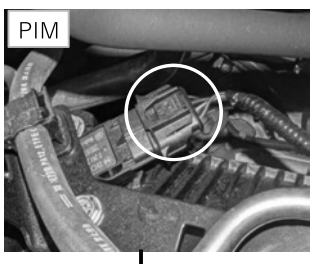


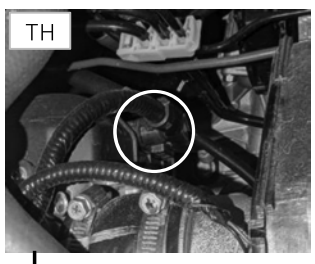


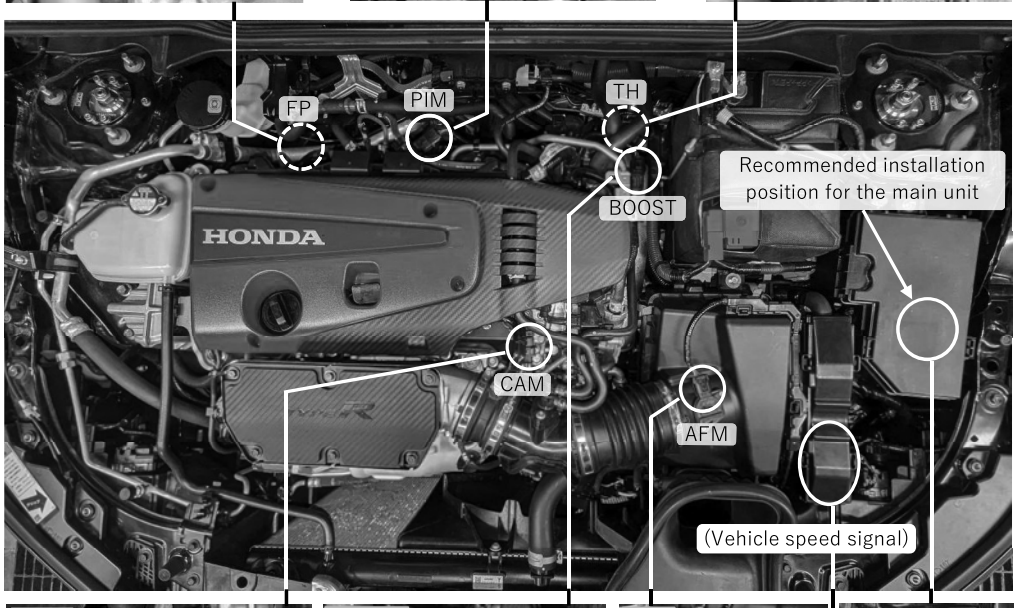


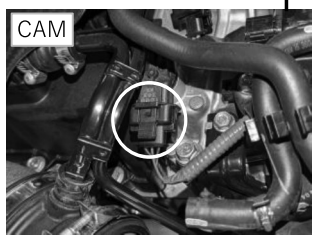
⑤ Push the retainer back into its original position and connect the HR-1 harness to the Power Editor R main unit.
⑥ To prevent the harness from moving due to vibration, secure it in place using the tie-wraps included with the Power Editor R unit.
⑦ After checking that all connectors are connected correctly, attach the cable terminal to the negative battery terminal.

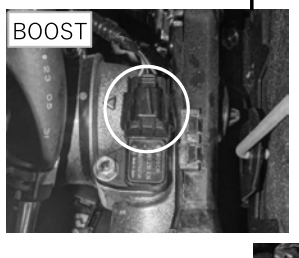


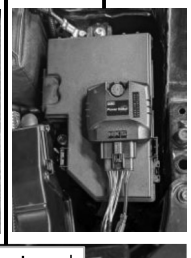


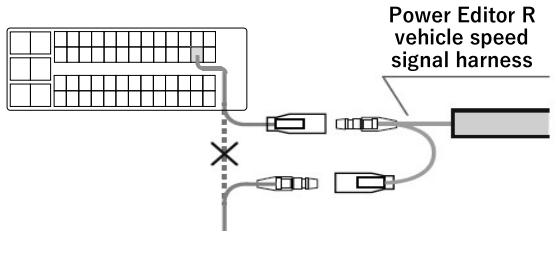


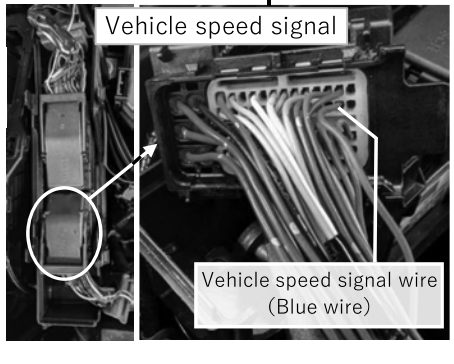






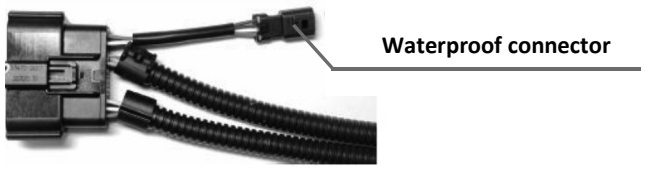






7. Writing data to the Power Editor R

① Remove the waterproof connector attached to this product, attach the USB harness included with the Power Editor R main unit, and connect it to your computer.
② Write the map data created using "Easy Writer for Power Editor R".
※ Please download and use the latest version from the HKS website.
※ After completing the setup and removing the USB harness, connect the waterproof connector or the map switch harness.



8. Maintenance

⚠ WARNING

Do not use this product if unusual occurrences should occur to avoid risk of electrical shock and/or fire.
Consult with the dealer immediately.

⚠ CAUTION

- Do not try to repair the product yourself. Consult with your dealer.
- If any unusual noises, scents, and/or vibrations are noticed while driving, please refer to a factory repair manual.

9. Repair Service

For questions about this product, any optional, lost, defective and/or damaged parts, please contact your dealer.

10. Revision of Manual

Rev. Number	Date	Details
3-1.01	2025/2	1st Edition
3-1.02	2025/4	Changes in description.