

Hondata J-Swap (V6) Kit

What's in the Box?



- Hondata ECU
- Hondata Flashpro
- Hondata J-Swap Harness

Hondata J-Swap (V6) Universal Install Guide

NOTICE: All components should be installed by a qualified Honda technician.
Hondata is not responsible for damages caused by improper installation.

Provided is an install guide on installing the Honda J series V6 engine into any vehicle chassis using Hondata's J-Swap Kit. This Hondata J-swap Kit utilizes all OEM honda sensors, which simplifies the process from having to purchase custom sensors/parts. The following parts may be purchased through the Honda dealership or from a local dismantling yard.

You will need:

Description	Part Number
Main Harness	32200-SEP-A20
Sub Harness	32112-RDB-A00
Accelerator Cable	17910-SDB-A03
Accelerator Pedal Position	37971-RCA-A01
Throttle Control Module	37850-PZX-A01
TPS DBW Harness	37852-RDA-A00

There are two methods on how to wire in the ignition power and starter switch. This will be dependent on the end user.

1. Harness Components

There are 3 harnesses that you will need in addition to the Hondata J-Swap kit, an engine harness (Image 1) that connects all the Honda sensors on the engine, a sub harness (Image 2) that connects to the engine harness through the firewall into the ECU and a DBW TPS harness (Image 3). These harnesses are all plug-n-play.

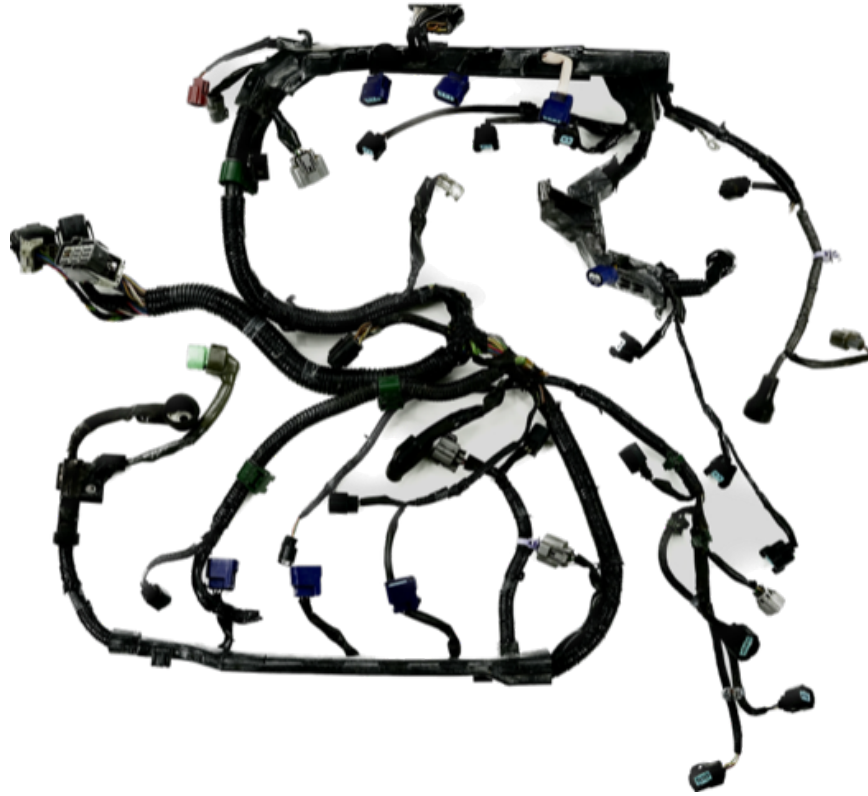


Image 1. Main Engine Harness. Part #: 32200-SEP-A20



Image 2. Sub Harness. Part #: 32112-RDB-A00



Image 3. TPS DBW Harness. Part #: 37852-RDA-A00

2. Throttle Components

Aside from the pedal assembly, the chassis will require the installation of an accelerator pedal position assembly (Image 4), The accelerator pedal cable (Image 5) is sold separately. This will need to be mounted to a solid location, ideally in a place with little to no flexibility.



Image 4. Accelerator Pedal Position. Part #: 37971-RCA-A01

The Accelerator cable will depend on which Chassis you are going to be swapping the V6 engine into. We recommend using an OEM throttle cable (Image 5) from the V6 platforms if you are using a honda chassis. If not using a honda chassis, then depending on where the accelerator pedal position sensor is going to be located (Image 4), a custom throttle cable may need to be implemented.



Image 5. Accelerator pedal cable. Part #: 17910-SDB-A03

Mount the TPS control module on the chassis away from heat and feet. This will be plugged into the fire wall harness.



Image 6. TPS Control Module. Part #: 37850-PZX-A01

3. Hondata J-Swap Harness

The Hondata harness will plug into the remaining ECU plugs. The harness also has the tach (blue), fuel pump (black), ignition switch (yellow), fan trigger (green) and the main power cable (Image 7) . The relays provide 12V 30A power. However, it is recommended that fuel pump (black) and ignition switch (yellow) be fused to prevent any electrical overload or shortage that may happen with improper installation. The ignition switch (yellow) wire will need to be wired into a constant 12V fused 7.5A power source of your choosing. Please make certain that this power source is not switched off when the engine is cranking.

The fuel pump wire can have a 25A inline fuse to power up a single pump. Multiple pump setups will require additional relay triggers. The fan trigger wire is a **ground** signal from the ecu, it is used to control a relay to power the fan. **Do not wire the fan trigger wire directly to the fan.**

Whether the OEM Honda key switch or an aftermarket push to start button is used, please follow the components install instructions carefully. If an OEM Honda fuse box is utilized, then the main power cable can be in junction with the Honda fused location (Image 8).

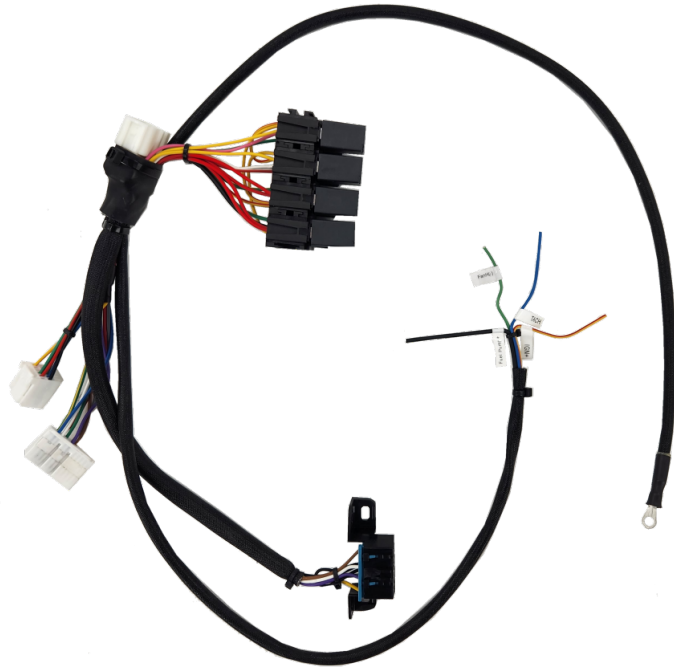


Image 7. Hondata J-Swap Harness

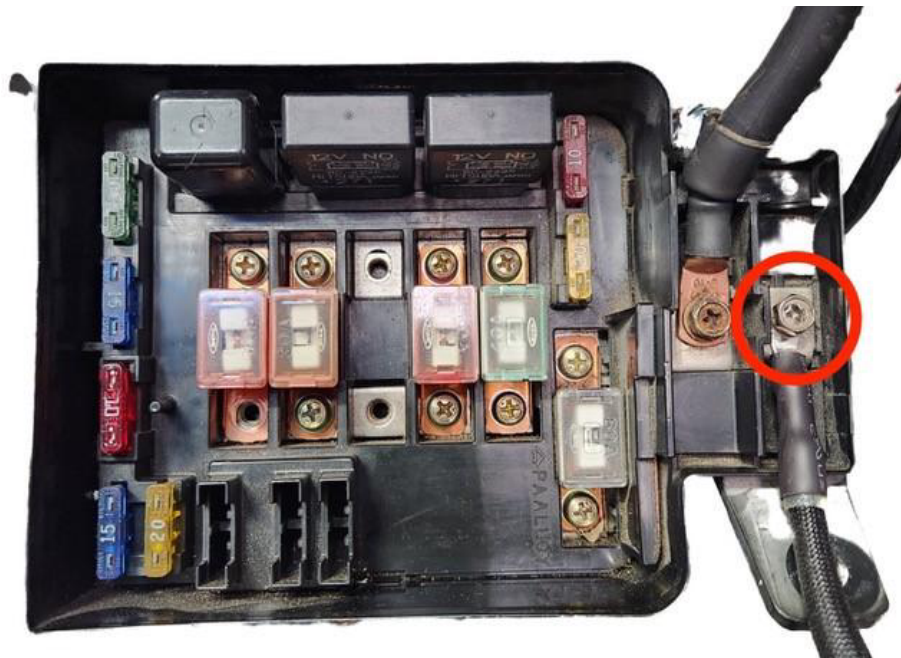
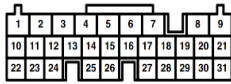


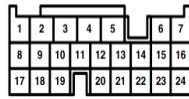
Image 8. Main power cable

Below are the ECU connectors in order (ECU pins facing you)

Connector A
 - GRY
 - On ECM/PCM wire harness (dashboard branch)



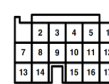
Connector B
 - WHT
 - On ECM/PCM wire harness (dashboard branch)



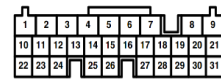
Connector C
 - BLK
 - On ECM/PCM wire harness (dashboard branch)



Connector D
 - WHT
 - On dashboard wire harness (right branch)



Connector E
 - WHT
 - On dashboard wire harness (right branch)



Important Notes: The engine harness will have the wire for the starter wired through already, you will be required to extend that wire to your ignition (start) switch. This will depend on which ignition you use, traditional key or push to start are the two options.

The Flashpro is locked to this ECU. It cannot be unlocked and transferred to another ECU.

Warranty: 12 months replacement or repair. Contact support@hondata.com.

Disclaimer: Specifications are subject to change without notice. Hondata J-Swap is designed for off-road use only and is not street legal. Hondata products are designed for specific applications and should not be used for any purpose (including, without limitation, automotive, aerospace, medical, life-saving applications, or any other application which requires especially high reliability for the prevention of such defect as may directly cause damage to the third party's life, body or property) not expressly set forth in applicable Hondata product documentation. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Warranties granted by Hondata shall be deemed void for products used for any purpose not expressly set forth in applicable Hondata product documentation. Hondata shall not be liable for any claims or damages due to incorrect installation or contamination of fuel system components. Hondata shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Hondata as set forth in applicable Hondata product documentation. The sale and use of Hondata products is subject to Hondata terms and conditions of sale.