



VSS Input for "Auto" Core KPRO V4

Use this guide to correct the VSS input on the Hondata KPRO V4 when installed into an Auto RSX ECU core.

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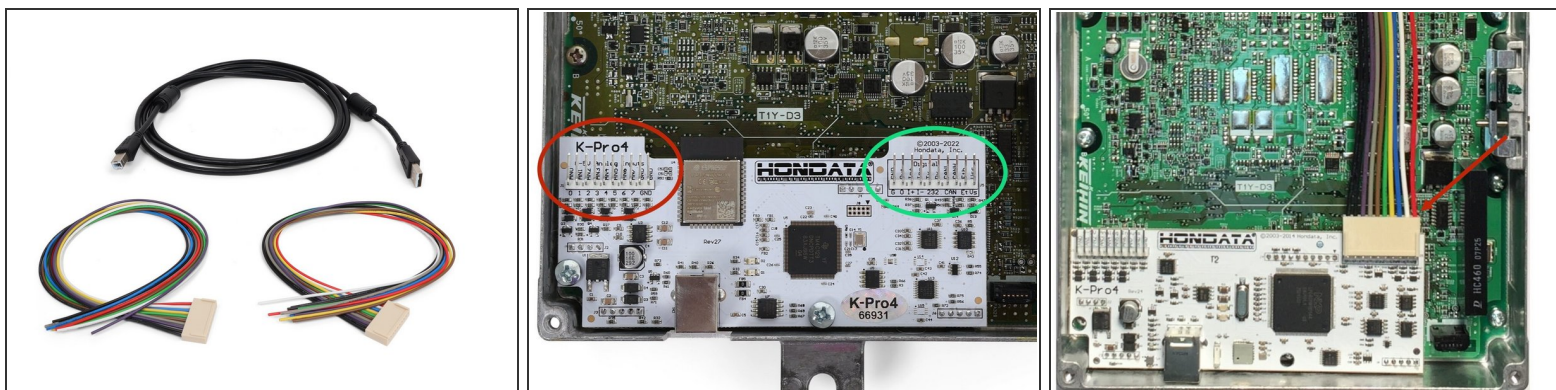


Step 1 — Preamble



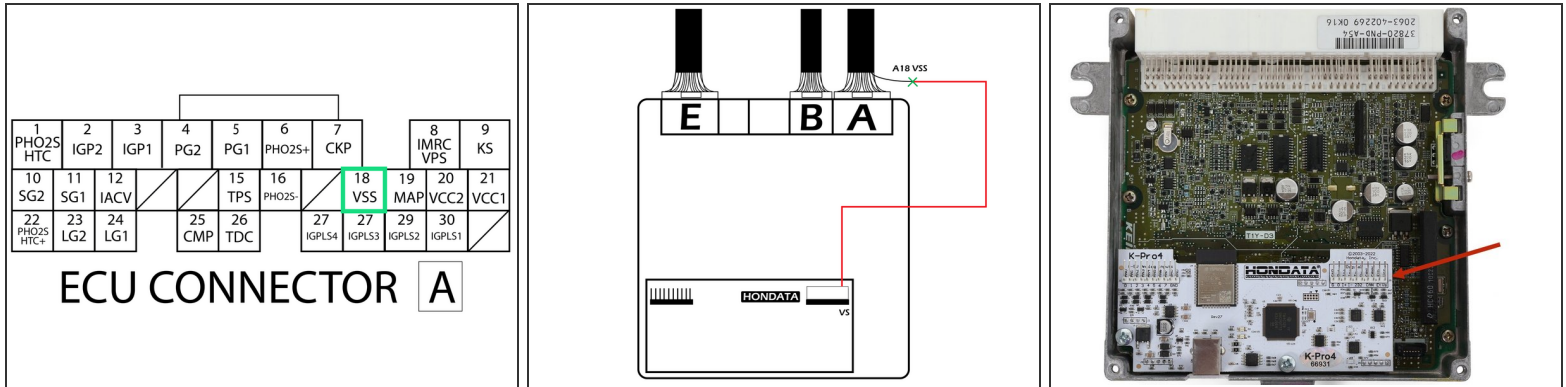
- This guide is for the AUTOMATIC ECU CORE used for the Hondata KPRO V4.
- ⚠ This DOES NOT MEAN THIS IS FOR OR WORKS WITH AN AUTOMATIC TRANSMISSION. The ECU is converted to a 5spd ECU as soon as KPRO is installed. Do not use this in an Automatic transmission car - it does not work.
- ⓘ The auto PND ECU processes vehicle speed from a sensor on the automatic transmission. The K-Pro 4 has an input to process vehicle speed. When the auto PND ECU is used, the VSS signal wire must be moved to the K-Pro4 board to process.
- If you are NOT using a PND Auto ECU core - do not continue.

Step 2 — Understand the KPRO V4 inputs



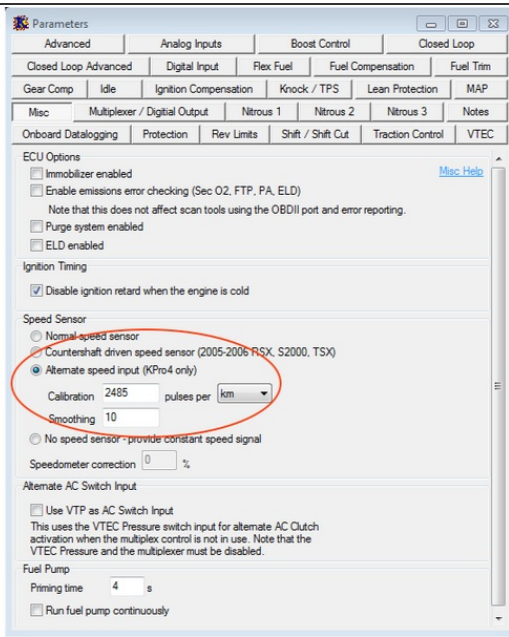
- ① Hondata includes two pigtails that connect directly to the KPRO daughterboard inside the ECU case.
- One is for Analog inputs - these are typically used for external wideband sensors, EGT sensors or various other temp or pressure sensors.
- The other is for Digital Inputs - this is where you will be able to input the VSS so the KPRO can process and understand the vehicle speed.
- You will need to move the VSS wire on the OEM engine harness and connect it to the "VS" location on the Digital Inputs pigtail. This is typically a red wire on the Hondata harness.

Step 3 — Connect A18 to VS Input On KPRO Board



- On the K-Series ECU, there are three connectors. Location A, B, and E.
- Connectors A and B are part of the engine wiring harness. Connector E is part of the conversion harness (in K-swapped cars.)
- Locate connector A, pin location 18. On the factory RSX engine wire harness, this is a WHT/GRN wire.
- Remove A18 from the ECU connector and connect it to the RED wire on the KPRO V4 input board in the "VS" location.

Step 4 — Update KPRO Vehicle Speed Settings



- Open KManager and select the MISC tab.
- Under the "Speed Sensor" section, you will need to change to use the Alternate Speed Input. Use a starting value of 2485 pulses per km. This will vary depending on your gear ratios and tire size.
- Calibration - 2485
- Pulse per - km
- Smoothing - 10
- Upload all changes to the ECU.