

Technical Specifications: i-HDS Diagnostic Software and J2534 Reprogramming Software

Honda Australia ("Honda") offers the i-HDS (Honda Diagnostic System) software suite for the diagnosis and repair of electronic systems on Honda automobiles, and for the reprogramming of electronic control units (including, but not limited to, ECMs and PCMs). This software provides access to all Honda vehicle systems.

NOTE: access to the immobiliser security system requires a Fit & Proper Person Security check via AASRA.

The link to download the i-HDS software will appear once you have accepted the Honda diagnostic software subscription terms (<https://www.right-2-repair.com.au/honda>) and paid the relevant fee.

You will need a pass-thru Vehicle Communication Device (VCI) that is compliant with SAE J2534-1 and J2534-2 protocols (J2534-compliant VCI) for the i-HDS software to communicate with the vehicle. Honda recommends the Denso DSTi Device for Honda vehicles, based on Honda's collaboration with the tool manufacturer.

Honda recommends that careful consideration be given to the customer and technical support options available from your chosen supplier.

The PC Requirements for the i-HDS Software are shown below.

System requirements for i-HDS, diagnostics and information

For a technician to complete tasks such as diagnostics, ECU programming, and security coding, they will need to utilise Honda Diagnostic Software (i-HDS) and a J2534-compliant VCI (such as the Denso DSTi, Honda MVCI or a generic device).

The below table is a guide to connector type functionality:

Connector type	Read codes	Program keys	Program PCM	Program immobiliser
Honda DSTi	Y	Y*	Y*	Y*
Honda MVCI	Y	Y*	Y*	Y*
Generic J2534-compliant VCI	Y	Y*	Y*	Y*
Generic scan tool	Y	N	N	N

* Requires AASRA Fit & Proper Person security validation

Note: Honda recommends that you always contact your device supplier to confirm compatibility with Honda software before purchasing it.

The recommended diagnostic equipment can be sourced as follows:

- **i-HDS software** – follow the prompts on the Right-2-Repair Honda page to create accounts and pay the subscription fee.

If Required

- **Honda/Denso DSTi:** Available to purchase through the Honda Centre Network (part number 07999UNIDSTI / Denso number 95171-01320). To find your nearest Honda Centre, go to <https://www.honda.com.au/findahondacentre>

Please note that depending on stock availability, there may be delays in supplying DSTi units as they are supplied by an overseas supplier.

PC/Laptop requirements

i-HDS Supported Operating Systems – Microsoft Windows 10 Professional (32 and 64 bit)

Ensure your PC/laptop meets the below specifications:

	Minimum	Recommended
Operating System	Microsoft Windows 10 Professional 32bit or 64bit	Microsoft Windows 10 Professional 64bit
Processor Speed ¹ (Base Clock Speed)	2.1 GHz Intel or AMD processor	2.6 GHz Intel or AMD processor
Memory (RAM)	4 GB (32bit) or 8GB (64bit)	16 GB of RAM
Storage Drive ²	Solid State Drive (SSD) with 40 GB Free Space ³	NVME Solid State Drive (SSD) with 60 GB Free Space ³
Video Resolution	1366 x 768 or higher	1920x1080
Network	1 Gigabit Ethernet or 802.11ac WiFi	1 Gigabit Ethernet or 802.11ac WiFi
USB Ports	USB 2.0 with Type A connector	USB 3.1 with Type A connector
Bluetooth	N/A	Bluetooth 4.2 or higher

- Faster single thread processor speed has a high influence on snapshot gathering, live data viewing, and smooth operation of i-HDS.
- A Solid State Drive allows for faster booting time and smooth operation of i-HDS.
- Sufficient space is required for operation, snapshot storage, log storage, and future enhancements of the i-HDS suite.

Notes:

- There is no support for Microsoft Windows 7, 8 8.1, XP, Vista, and 2000
- Windows 2003 Server, MacOS, and Linux have never been supported for use with the i-HDS Suite.

Display

- Recommended display resolution is 1920 x 1080 with the large font setting.
- 800 x 600 will work, but some procedures work better at the higher resolution.

Vehicle Communication Interfaces (VCI)

As set out above, the i-HDS software supports the use of a generic pass-thru VCI that is compliant with SAE J2534-1 and J2534-2.

However, Honda recommends the Denso DSTi for use on Honda vehicles, as Honda has worked closely with this manufacturer with a view to facilitating optimal interaction between the hardware and our software.

To purchase a Denso DSTi unit from the Honda network, you can order the following part number from your local Honda Centre (part number 07999UNIDSTI / Denso number 95171-01320).

The VCI Application Table below lists devices that have been utilised by Honda Dealers and/or in Honda service centres, following an independent, exhaustive validation program with our i-HDS software suite.

Manufacturer	VCI Name	Version Information		Notes
		Firmware	J2534 API	
DENSO	DST-i	2.02.0002*	04.04	This is the current generation VCI used by Honda Australia service centres . Honda routinely validates the functionality.
DENSO	DST-nano	2.02.0002*	04.04	This is the current generation VCI used by Honda Dealers in other regions.
Bosch	MVCI	3.01.60*	04.04	This is the previous generation VCI used by Honda Australia service centre.

* These versions may have been superseded. Honda provides the latest supported versions to current i-HDS subscribers.

NOTE: Not all legacy Honda models are equipped with a reprogrammable ECM/PCM. Furthermore, most 2007 and later models are fully supported with this application.

Disclaimer

You are responsible for proper diagnosis and reprogramming of Honda control modules. All problems and complaints that may occur from the use of any allegedly compliant J2534 devices are the sole responsibility of the device manufacturer. If you experience any problems, contact the device manufacturer.

The VCI Application Table above is voluntarily provided by Honda as a courtesy to its aftermarket customers. While the i-HDS software suite has been validated to be J2534 compliant by several third-party device manufacturers, it is the responsibility of the device manufacturer to ensure and maintain the interoperability of its device and our i-HDS software. Device manufacturers listed above that have completed an independent validation of i-HDS attest that those specific devices are J2534 compliant and work with the i-HDS suite. If Honda determines that a device listed above is no longer compliant with the J2534 standard and is not compatible with the i-HDS suite, Honda may elect to remove the device from the list without notice. Furthermore, the applicability scope of the devices above is limited to Honda vehicles intended for sale in Australia. Device compatibility with Honda vehicles for sale outside of this market is not guaranteed and may not meet the standards of that market.

All reprogrammable Honda ECUs/ECMs/PCMs comply with the SAE J2534 standard. You are responsible for using a compliant J2534 reprogramming device. Contact the reprogramming device manufacturer to confirm Honda compatibility before use.

Honda will NOT be responsible for damaged control units/modules.

Honda reserves the right to supersede this information without notice. The most recent information is available through Honda Australia's Right-2-Repair platform.

Important Notice Regarding Reprogramming

Do NOT program a control unit/module unless you are directed by a service procedure or an applicable Honda Service Bulletin. Control unit/module updating should only be undertaken by a skilled professional using proper equipment and procedures, or damage can occur. Updating control units/modules to the latest software not associated with a specific symptom may not resolve other specific customer concerns. Unauthorized or self-directed programming may cause unintended and irreversible effects and lead to vehicle harm and/or customer dissatisfaction.

Honda urges end users to always use the LATEST production release of the i-HDS software. Using the latest version of the software is the best way to ensure successful reprogramming of applicable control units/modules. Check for software updates by visiting the Honda Right-2-Repair page for any updates issued since last downloaded to your PC.

It is possible to damage the vehicle's electronic control units/modules during reprogramming. Ensure the following conditions are met BEFORE programming a control unit/module:

- The vehicle battery must be fully charged before programming the control unit/module. Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage, or loss of voltage will interrupt programming.
- Turn OFF or disable any system that may put a load on the vehicle battery.
- Make certain all tool connections are secure. Do NOT disturb the tool harnesses while programming. If an interruption occurs during the reprogramming procedure, reprogramming failure or control unit/module damage may occur.

THE REPROGRAMMING PROCEDURE MUST BE FOLLOWED EXACTLY AS OUTLINED BY THE SOFTWARE AND/OR SERVICE INFORMATION. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL CAUSE THE REPROGRAMMING EVENT TO FAIL.



Some units/modules may require additional programming/setup events performed before or after programming. Please refer to the appropriate Service Bulletins or repair instruction for details. (e.g. IMA Battery Module)

The information in Service Bulletins and workshop manuals is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely.