



OPUS RAP2 Remote Assisted Programming Instructions

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IVS™

RAP2 Capabilities & Cost

Disclaimer: When using **RAP2**, completely disconnect any aftermarket accessories including radios, alarms, sound systems, starters, etc. from the vehicle communication bus; failure to do so may cause programming failures and void our service guarantee. Please note that this program does not support programming used or salvage modules for most makes. Be sure to plug in **RAP2** kit and turn tablet on 30 minutes prior to **RAP2** session to ensure any available software updates are completed.

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BMW

- 2002 and newer, all Emission module (**ECM/TCM/PCM**) updating & replacement

- 2002 and newer, all Body and Chassis module updating & replacement **(Few Exceptions Below)**
- J2534 module programming, updating, coding: **\$149.00 USD each**
- Module calibration check: **\$50.00 USD each**

Chassis	
F39	F39 no module programming or coding
G05, G07, G14, G15, G20	no module programming or coding.
All	All infotainment ECUs (SAT NAV / RADIO / AMPLIFIER / CD / DVD) Coding Only (Replacement Needs Coding) . Module updating not possible. Replacement possible with stipulations. ***NOTE: After a hard drive-base head unit (CIC, NBT, etc.) replacement, an enabling code for the navigation system is needed along with the navigation software and we cannot provide it. DVD-Based Head units (CCC) need a voice-enabling code imported after replacement of the head unit, we cannot provide it.
All	All Bluetooth/Telephone ECUs. Coding Only (Replacement Needs Coding. No module updating.)
All	CAS (Car Access System) Coding Only (Replacement Needs Coding. No module updating.)
All	JBE (Junction Box Electronics) Coding Only (Replacement Needs Coding. No module updating.)
All	FRM (Footwell Module) Coding Only (Replacement Needs Coding. No module updating.)
All	All Engine ECUs (MEV1722/MEVD1726) . Updating only. No replacements
E46, E83	MS45.1 Replacements only. No updating (Replacement needs programming) . *** NOTE: EGS and DSC should be disconnected before programming is performed.
E6x Non Motorsport Cars	Sequential Manual Gearbox Module. No module updating. No Module Coding. No replacements.
E83, E85, E86, E9x	MSV80 DME (Digital Motor Electronics) No updating. No replacements (Replacement needs programming) .
All	Instrument Cluster Coding only Only (Replacement Needs Coding) . No updating.
All	FEM (Front Electronic Module) No existing module updates. Updating of replacement module as long as existing module is able to communicate.
All	BDC (Body Domin Controller) Existing module updating only. No module replacements.
All	Instrument Cluster. Coding Only. No module updating or replacement.
All	Hybrid or Electric No Support

- Some vehicles will need to be scanned using the OEM software to determine whether an update is available or not.
This process may take 15-20 minutes prior to the programming service.
- Some vehicles may take up to four (4) hours to complete programming.

Module/System Examples:

Digital Motor Electronics	Body Domain Controller	Car Access System	Footwell Module
Junction Box Electronics	Instrument Cluster Module	Front Electronic Module	Sequential Manual Gearbox

Chrysler/Jeep/Dodge/RAM/Plymouth

- Hard-wired internet connection is **REQUIRED**.
— If you need an ethernet cable and a USB to ethernet adapter, have your RAP2 Kit Serial Number

available and contact OPUS IVS @ 844.REFLASH (844.733.5274).

- For all immobilizer **security** functions, the **4-digit security PIN** is needed. Contact your local dealer for this code.
- All Models:
 - **1996 – 2003**: ECM/PCM/TCM updating only. No module replacements.
 - 2008 and newer: All module updates and replacements.
- Pacifica/Viper
 - **1996 – 2006**: ECM/PCM/TCM updating only. No module replacements.
 - **2007 and newer**: All module updates and replacements.
- Caravan/Voyager/Town & Country/Liberty/PT Cruiser
 - **1996 – 2007**: ECM/PCM/TCM updating only. No module replacements.
 - **2008 and newer**: All module updates and replacements.
- 2500/3500/4500/5500
 - **1996 – 2009**: ECM/PCM/TCM updating only. No module replacements.
 - **NO** support for 5.9L Cummins equipped vehicles.
- Sprinter Van: **See Mercedes.**
- Crossfire: **See Mercedes.**

Module/System Examples:

Powertrain Control Module	Occupant Restraint Control Module	Wireless Control Module
Transmission Control Module	Wireless Ignition Node	Radio Frequency Hub

- J2534 module programming, key programming and associated configuration, setup and security functions:
\$149.00 USD per module. Plus \$30.00 USD FCA OE subscription fee .
- Module calibration check: **\$50.00 USD. Plus \$30.00 USD FCA OE subscription fee.**
- **Note a \$45.00 USD per VIN fee will be charged for any security related modules that require a NASTIF SDRM registration. Customers that have their own NASTIF SDRM will not be required to pay the \$45.00 USD fee. Fiat based vehicles use a rolling code. The customers would need to go through the NASTIF AIR process and we can generate the rolling code for an additional \$30.00 USD. We can also generate the static codes using the same process, should the customer wish to not get a code from the dealer.**

Ford Motor Company

- 1996 and newer emission module updating & replacement for vehicles 1996 and newer
Emissions module configuration as supported by Ford FMP on vehicles 1996 and newer
Key programming up to model year 2013 vehicles
- — 2013 and newer: PATS and related PATS modules starting in MY 2013 require coded security access instead of the ten **(10)** minute timed security access. Membership to the NASTIF SDRM is required.
- Vehicles 2003 and older: The old module must be installed and communicating at start of appointment
- Diesel FICM module replacement and programming
- No support for Low Cab Forward **(LCF)** vehicles.
- No modules updating or replacement on K-Line **(Pin 7 on DLC)**, medium speed CAN bus **(Pins 3 & 11 on**

DLC), or UBP bus (Pin 3 on DLC).

Module/System Examples:

Powertrain Control Module	Fuel Injection Control Module	Instrument Cluster
Transmission Control Module	Restraint Control Module	Passive Anti Theft System

- J2534 module programming, key programming and associated configuration, setup and security functions: **\$149.00 USD per module** Note for programming used modules: The \$149.00 USD module programming fee will apply.
- Module calibration check: **\$50.00 USD each**
- Note a **\$45.00 USD per VIN fee** will be charged for any security related modules that require a NASTIF SDRM registration. Customers that have their own NASTIF SDRM will not be required to pay the \$45.00 USD fee.
- 2 keys may be required for security related module programming.

General Motors

- 2001 and newer (**some exceptions**) updating & replacement
- 2001 and newer updating & security functions that are supported by the GM Service Programming System
- Global **A & B** platform vehicles do not support used or salvage modules

Module/System Examples:

Powertrain Control Module	Body Control Module	Human Machine Interface Module
Transmission Control Module	Trailer Brake Control Module	Theft Deterrent Module

- **Module configuration, setup, and security functions for all modules supported by GM Tech2Win**
- **Module configuration, setup, and security functions for all modules supported by GM GDS2**

- J2534 module programming, key programming and associated configuration, setup and security functions: **\$149.00 USD each.** Note for programming used modules: The \$149.00 USD module programming fee will apply, whether or not the programming attempt is successful.
- Module calibration check: **\$50.00 USD each**

Honda/Acura

- 2007 and newer existing module updating only
- An ✕ in the table below denotes the module is reprogrammable if an update is available:

Honda	2001	2002	2003	2004	2005	2006	2007 and Newer
Accord			x	x	x	x	All Modules
Accord Hybrid					x	x	
Civic	x	x	x	x	x	x	
Civic Hybrid			x	x	x	x	
CR-V		x	x	x	x	x	
Element			x	x	x	x	
Fit							
Insight	x	x	x	x	x	x	
Odyssey					x	x	
Pilot					x	x	
Ridgeline							
S2000						x	

Acura	2001	2002	2003	2004	2005	2006	2007 and Newer
MDX			x	x	x	x	All Modules
RDX							
RL					x	x	
RSX		x	x	x	x	x	
TL				x	x	x	
TSX				x	x	x	

Module/System Examples:

Programable Module Fuel Injection (PGM-FI)

Automatic Transmission

Supplemental Restraint System

Anti-Lock Brake System

- J2534 module updating: **\$149.00 USD each Plus \$45.00* OE subscription fee per VIN**
 - Module calibration check: **\$50.00 USD each Plus \$45.00* OE subscription fee per VIN**
- *Subscription valid for 30 days per VIN. Fee only charged once during this 30-day period.**

Hyundai

- 2005 and Newer: ECM/TCM Updates Only
- J2534 module updating: **\$149.00 USD each**
- Module calibration check: **\$50.00 USD each**

Hyundai Models Supported by PTA

Model	Year
Accent	2005 – 2018
Azera	2006 – 2019
Elantra	2005 – 2018
Entourage	2007 – 2009
Equus	2011 – 2016
Sante Fe	2005 – 2018
Sonata	2005 – 2018
Tiburon	2005 – 2008
Tuscon	2006 – 2018
Veloster	2012 – 2017
Verecruz	2007 – 2012
XG350	2005

Module/System Examples:

Powertrain Control Module

Transmission Control Module

Kia

- 2005 and Newer: ECM/TCM Updates Only
- J2534 module updating: **\$149.00 USD each**
- Module calibration check: **\$50.00 USD each**

Kia Models Supported by PTA

Model	Year
Amanti	2007 – 2009
Borrego	2009
Cadenza	2014 – 2018
Forte	2010 – 2018
Forte5	2014 – 2018
K900	2015 – 2017
Niro	2017 – 2018
Optima	2007 – 2018
Rio	2006 – 2018
Rondo	2007 – 2010
Sedona	2005 – 2012
	2014 – 2018
Sorento	2007 – 2018
Soul	2010 – 2018
Spectra	2005 – 2009
Sportage	2007 – 2018
Stinger	2018

Module/System Examples:

Powertrain Control Module

Transmission Control Module

Mercedes-Benz

- 2004 and newer engine and transmission & TCM updating and replacement programming*
*Old TCM must be available and communicating
- Excludes the CVT transmissions and the early 112/113 engines with engine control units ME2.8.
- Used and re-manufactured modules not permitted
- J2534 module programming & updating: **\$149.00 USD each**
- Module calibration check: **\$50.00 USD each**

Module/System Examples:

Motor Electronics

Intelligent Shift Module

Conductor Plate

For Mercedes-Benz 722.9 programming:

- If the entire Valve body was replaced, the programming fee is **\$149.00 USD**
- If only the conductor plate was replaced—and if the original existing conductor plate is not available or does not communicate—a charge of **\$100.00 USD** will be billed for additional programming services.

Nissan/Infiniti

- Updated TCM Support!
 - **RE0F08B (JF009E)** CVT1 module updating and replacement
 - **RE0F10A (JF011E)** CVT2 module updating and replacement
 - **RE0F10B (JF011E)** CVT2 (**Turbo**) module updating and replacement
 - **RE0F09B (JF010E)** CVT3 module updating and replacement
 - **RE0F11A (JF015E)** CVT7 module updating and replacement
 - **RE0F10 (JF011)** CVT8 module updating only
- 2004 and newer powertrain (**ECM/TCM**) module updating
- 2005 and newer powertrain (**ECM/TCM**) module replacement
- 2005 and newer rear-wheel drive (**RWD**) valve body programming
- Nissan Valve Body/Transmission Programming:
 - Due to the time required for these services, scheduling this service must be done prior to 3:30pm EST.
 - **Call to schedule earlier in the day to ensure same-day service!**

Module/System Examples:

Powertrain Control Module

Transmission Control Module

- J2534 module updating, programming & RWD valve body: **\$149.00 USD each**
- Module calibration check: **\$50.00 USD each**

Toyota/Lexus/Scion

- 2001 and newer
- New module programming. Used and re-manufactured modules not permitted at this time
- Existing module updates

Module/System Examples:

Engine Control Module


Electronic Transmission Module

Traction Control Module

Main Body Control Module

- J2534 module updating, programming & RWD valve body: **\$149.00 USD each**
- Module calibration check: **\$50.00 USD each**

Documents / Resources

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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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