Tesla Powertrain Diagnostics ("TPD") for Toyota RAV4 EV, v1.1.42 "simplified" installation

Feedback indicates that this can be installed on WinXP, W7, W8.x, W10. 32-bit or 64-bit. I have personally tested it working on W10 installations only.

It is recommended to install this setup on a dedicated "garage" laptop, one that never connects to the internet, and especially *never allows Windows to apply an update* or patch. If there's a major software environment change (such as a major OS update), or *a significant hardware change (SSD, mainboard, or CPU), the program will fail to load . . . forever*, until another license key is obtained.

Yes, if you change the HDD or SSD, this program must be re-licensed. If you run the installer again, it must be re-licensed.

If you change it, it breaks. You are warned.

Obtain these files:

Installer:

• <u>setup-1.1.42-rav4-service.exe</u>

Additional gateway.dll

• gateway.dll

Latest firmware tarball:

• firmware-release-1.3.101.tar

(optional)

Toyota "User Manual" for TPD:

RAV4EVsoftware_userman.pdf

(Techstream-centric and mostly useless until pg. 28, but there are a couple of good nuggets)

Run the installer setup-1.1.42-rav4-service.exe

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(Verified steps for Windows 10 below)

Allow Windows User Account Control ("UAC") permission to install At the "Welcome" screen, select "Next" Agree to the License Agreement Choose an installation location (I accept the offered default) Let it add a shortcut to the Start Menu If you want a desktop icon for TPD, select that option Confirm the above choices by selecting "Install" **Do not launch the program**; un-check that option, and select "Finish" Copy the additional gateway.dll over the installed one, replacing it. Copy to:

<u>C:\Program</u> Files (x86)\Tesla Powertrain Diagnostics RAV4 – Service

or This PC > Local Disk (x:) > Program Files (x86) > Tesla Powertrain Diagnostics RAV4 – Service

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You will (probably) be asked for Administrator permission to overwrite the old file. Choose "Continue".



Start the program. It will display a licensing dialogue immediately. If it doesn't, select:

Help|Product Registration

to activate the licensing dialogue.

🎬 Product Registrat	tion	×
Product ID:	90ee d6d3 02b1 10ab	
Enter License Key:		
A valid license key is no Please obtain one by C	ot found on this computer. CLICKING HERE.	×
	Close	Apply

From the Product ID: field, copy the 16 characters displayed and send them to me (or someone else who will help). I (they) will send back a 25-character license.

Paste the license key to the "Enter License Key" field. With, or without spaces is fine.

Product Registra	ation	×
Product ID:	90ee d6d3 02b1 10ab	
Enter License Key:	fff3137456c1a50b2525a2c4f	
A valid license key is n Please obtain one by	not found on this computer. CLICKING HERE.	×
	Close	Apply

Select "Apply".

You should see "License expires on 2023-05-29". This is normal.

T Product Regist	ration	×
Product ID:	90ee d6d3 02b1 10ab	
Enter License Key:	fff3137456c1a50b2525a2c4f	
License expires on 2	023-05-29.	\checkmark
	Close	Apply

[If you see instead, "The entered license key is invalid.", then you probably forgot to copy *gateway.dll* above. *Close the program* and do that. The license key will *not* work in 2024-on if you don't do it in this order.]

Select "Close".

If the program has closed, open it. You will see a dialogue

"The product license will expire in *-nnn* days. Please renew your license soon." This is normal:



It will display every time you start the program and every time you'll have to . . .

Select "OK". The program will continue loading.

At this time, the lower left corner of the program will show a red dot and "Monitoring".



If, instead, it shows a red dot and says "Invalid License":



... then something has gone amiss; re-check your steps above. You cannot proceed unless you see "Monitoring" at the lower left.

TPD is installed . . . but not configured. Its network connection needs a minor configuration More details are at

https://www.myrav4ev.com/threads/tesla-powertrain-diagnostics-tpd-v1-1-46.2602/ under section:

TPD ethernet configuration In short, Help|Network Configuration (grant UAC access) Choose network interface (hint: NOT Wi-Fi) Choose Adapter Mode: Vehicle Mode OK

end

Rev. history: 20240525 Initial