



Service Campaign

CC-18-00-05

MODEL: Karma Revero

DATE: December 2018

TITLE: Baseline BL1062 Software Release

PRIORITY: All Revero

APPLICABILITY: MY18 Revero (See attached VIN list)

MARKET REGION: North America

PURPOSE: This document will be used as a reference guide for technicians to update a vehicle to Baseline 1062 (BL1062) software.

Software updates will be scheduled as part of Karma Automotive continuous improvement process. The relevant software flash reprogramming is performed via KarmaSync to update without module replacement.

The Karma Sync tool will allow the technician to display the current software identification and cross reference them to any that will be included in the latest updates. Central Infotainment Unit flashing will occur over the air, TSS is required to be notified prior to this step.

REQUIREMENT: There is a component of this Baseline release which will be performed Over-the-Air. This will require creating a technical services support (TSS) case as soon as the vehicle arrives at the dealer. Please schedule this baseline install and begin the action early in the workday to allow sufficient time to contact and activate this over the air update through the TSS group.

NOTICE!

*The vehicle should have the High Voltage battery charged. If the State of Charge is 15% or less (verified in Karma Sync), when placed in Ready Mode, the vehicle generator may turn on at any time during the flash process. Therefore we recommend the state of charge is **25% or greater before beginning the flash procedure, or five (5) miles of EV range.***

NOTICE!

Have a 12V power supply available to use on every Revero during flashing of modules, there are no exceptions to this. Vehicle 12V battery voltage must be maintained greater than 12.5V while flashing the control modules.

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Prepare the vehicle for updates:

Unlock and enter vehicle

1. Switch the car to Accessory Mode- press the power button
2. Plug in the KarmaSync tool
3. Launch KarmaSync
4. Make sure that KarmaSync is in active state, for that: Read DTCs
5. Once the DTCs are read, clear if required, transition into System Ready (Power on)
6. Wait for one (1) minute after transitioning into System Ready (This is for the car to detect that there is a KarmaSync tool present)
7. Proceed with the rest of the bulletin
8. While the ECUs are being updated during the flashing process, make sure the car doesn't go to sleep between module flashing transitions (after the 60 second wait during the update process, transition into ACC mode when prompted by KarmaSync)

Open a TSS case as normal follow provided instructions.

Verify current installed version of software in the TPI.

Settings >Vehicle > About

If it reads 17.17.62.2, 17.17.62.3, or 17.17.62.4 do not proceed, this vehicle is updated to BL1062, Verify with TSS how to go forward

The chart below should guide you to view the Baseline level of the vehicle.

Settings >Vehicle > About	Displayed Version
BL 1021	17.11.16.2
BL 1022	17.12.29.4
BL 1030	17.13.27.3
BL 1035	17.13.27.4
BL 1040	17.15.42.3
BL 1050	17.16.47.3
BL 1061	17.17.60.4
BL 1062	17.17.62.3

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Note: Remove the Karma Sync Equipment. Before the CIU is updated ensure nothing is plugged into the OBD II port. This includes the MDI - remove this, otherwise the TPI will cycle on and off, this is expected behavior. However, this will interrupt the update. The Karma Sync is also not needed for this over the air (OTA) update.

STEP 1

Check for any open bulletins
which require completion

STEP 2

Read this BL1062 bulletin



STEP 3

Create TSS case,
Now Over-the-air Update
can be sent to vehicle



STEP 4

Follow Instructions
provided by TSS to update
vehicle with Karma Sync

⚠ NOTICE! ⚠

STEPS MUST BE PERFORMED IN THIS ORDER TO AVOID SOFTWARE INSTALLATION ISSUES

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ATTENTION: Any previously paired phone in the vicinity of the vehicle during USB data install will interrupt the data transfer and stop operation. This will result in starting the Map data install via USB again.

Overview:

CHECK FOR OPEN BULLETINS:

1. Perform all required action as per bulletins, and verify all available bulletins have been performed: TB-18-12-02 (Intake Plumbing Inspection), CC-18-12-01(Oil Change), CC-18-30-01 (A/C Line Inspection), TB-18-20-01 (Radiator Hose Clamp Inspection) etc. - **Contact TSS when complete**

USB MAP FILES UPDATE this is required for any vehicle not at BL1050- this is required to update to BL1062.)



fig. 1a

2. Insert the supplied USB stick (fig.1a) into the center console USB PORT. This will begin the on board navigation map files upload. This should take approximately 45 minutes to one hour. Remove the USB stick when the TPI displays the “update is verified”. Install will follow automatically. Leave the vehicle in ready mode during this time.
3. Place the vehicle in a safe area with good cell reception and place vehicle in Ready Mode. TSS will contact you within the hour, the OTA will happen as the USB is uploading to maximize the use of your time.
4. The TSS representative will instruct you to power down the vehicle.
5. An update screen will appear.
6. Accept the install, follow prompts to install the new BL1062 update.
7. Contact your TSS representative again to confirm step one of the over-the-air software update.
8. Follow the TSS representative’s instructions.
9. Verify the software in the vehicle TPI again (17.17.62.3 should display, when performed over the air)

KARMA SYNC:

10. Proceed to update Karma Sync as per this bulletin (this only needs to happen once per service laptop, not for every update)
11. Complete procedure as directed in this bulletin and by your TSS representative

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VERIFY THE CORRECT MAP DATA IS INSTALLED.

As shown below -from a 1050 baseline prior to 1062 update.(fig.1b)

Navigation “1.0.0.772 MAP 201706_TA_NA_0001”



fig. 1b

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NOTE:

VERIFY THE VIN- the operations and time required vary per VIN list this will affect the warranty claim.

NOTE: The vehicles listed below require a full update from a baseline earlier than BL1050. These require a specific operation code as shown below, and at the end of the bulletin.

50GK41SA0JA000006	50GK41SA0JA000040	50GK41SA3JA000095	50GK41SA5JA000194
50GK41SA4JA000011	50GK41SA0JA000054	50GK41SA6JA000107	50GK41SA4JA000204
50GK41SA5JA000017	50GK41SA6JA000060	50GK41SA8JA000108	50GK41SA7JA000214
50GK41SA7JA000021	50GK41SA9JA000070	50GK41SAXJA000126	50GK41SA9JA000215
50GK41SA4JA000025	50GK41SA5JA000079	50GK41SA5JA000132	50GK41SA8JA000237
50GK41SA8JA000027	50GK41SA1JA000080	50GK41SA1JA000144	
50GK41SA8JA000030	50GK41SA5JA000082	50GK41SA7JA000147	
50GK41SAXJA000031	50GK41SA0JA000085	50GK41SA2JA000170	
50GK41SA5JA000034	50GK41SA4JA000087	50GK41SA4JA000171	

CODE	DESCRIPTION	TIME	DEFECT CODE
00-99-24-56	Older BL to BL1062 Update	2.0	99-20-20-68

The VIN list on the following pages require a different operation code, provided after the list.

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50GK41SA7HA000014	50GK41SA2JA000041	50GK41SA3JA000081	50GK41SA2JA000122
50GK41SA0HA000016	50GK41SA4JA000042	50GK41SA5JA000082	50GK41SA4JA000123
50GK41SA2HA000020	50GK41SA6JA000043	50GK41SA7JA000083	50GK41SA6JA000124
50GK41SAXHA000024	50GK41SA8JA000044	50GK41SA9JA000084	50GK41SA8JA000125
50GK41SA1JA000001	50GK41SAXJA000045	50GK41SA0JA000085	50GK41SAXJA000126
50GK41SA7JA000004	50GK41SA1JA000046	50GK41SA2JA000086	50GK41SA1JA000127
50GK41SA9JA000005	50GK41SA3JA000047	50GK41SA4JA000087	50GK41SA3JA000128
50GK41SA0JA000006	50GK41SA5JA000048	50GK41SA8JA000089	50GK41SA5JA000129
50GK41SA2JA000007	50GK41SA7JA000049	50GK41SA4JA000090	50GK41SA1JA000130
50GK41SA6JA000009	50GK41SA3JA000050	50GK41SA6JA000091	50GK41SA3JA000131
50GK41SA2JA000010	50GK41SA5JA000051	50GK41SA8JA000092	50GK41SA5JA000132
50GK41SA4JA000011	50GK41SA7JA000052	50GK41SAXJA000093	50GK41SA7JA000133
50GK41SA6JA000012	50GK41SA9JA000053	50GK41SA1JA000094	50GK41SA9JA000134
50GK41SA8JA000013	50GK41SA0JA000054	50GK41SA3JA000095	50GK41SA0JA000135
50GK41SAXJA000014	50GK41SA2JA000055	50GK41SA5JA000096	50GK41SA2JA000136
50GK41SA1JA000015	50GK41SA4JA000056	50GK41SA7JA000097	50GK41SA4JA000137
50GK41SA3JA000016	50GK41SA6JA000057	50GK41SA9JA000098	50GK41SA6JA000138
50GK41SA5JA000017	50GK41SA8JA000058	50GK41SA0JA000099	50GK41SA8JA000139
50GK41SA9JA000019	50GK41SAXJA000059	50GK41SA3JA000100	50GK41SA4JA000140
50GK41SA5JA000020	50GK41SA6JA000060	50GK41SA5JA000101	50GK41SA6JA000141
50GK41SA7JA000021	50GK41SA8JA000061	50GK41SA7JA000102	50GK41SA8JA000142
50GK41SA9JA000022	50GK41SAXJA000062	50GK41SA9JA000103	50GK41SAXJA000143
50GK41SA0JA000023	50GK41SA1JA000063	50GK41SA0JA000104	50GK41SA1JA000144
50GK41SA2JA000024	50GK41SA3JA000064	50GK41SA2JA000105	50GK41SA3JA000145
50GK41SA4JA000025	50GK41SA5JA000065	50GK41SA4JA000106	50GK41SA5JA000146
50GK41SA6JA000026	50GK41SA7JA000066	50GK41SA6JA000107	50GK41SA7JA000147
50GK41SA8JA000027	50GK41SA9JA000067	50GK41SA8JA000108	50GK41SA9JA000148
50GK41SAXJA000028	50GK41SA0JA000068	50GK41SAXJA000109	50GK41SA0JA000149
50GK41SA1JA000029	50GK41SA2JA000069	50GK41SA6JA000110	50GK41SA7JA000150
50GK41SA8JA000030	50GK41SA9JA000070	50GK41SA8JA000111	50GK41SA9JA000151
50GK41SAXJA000031	50GK41SA0JA000071	50GK41SAXJA000112	50GK41SA0JA000152
50GK41SA1JA000032	50GK41SA2JA000072	50GK41SA1JA000113	50GK41SA2JA000153
50GK41SA3JA000033	50GK41SA4JA000073	50GK41SA3JA000114	50GK41SA4JA000154
50GK41SA5JA000034	50GK41SA6JA000074	50GK41SA5JA000115	50GK41SA6JA000155
50GK41SA7JA000035	50GK41SA8JA000075	50GK41SA7JA000116	50GK41SA8JA000156
50GK41SA9JA000036	50GK41SAXJA000076	50GK41SA9JA000117	50GK41SAXJA000157
50GK41SA0JA000037	50GK41SA1JA000077	50GK41SA0JA000118	50GK41SA1JA000158
50GK41SA2JA000038	50GK41SA3JA000078	50GK41SA2JA000119	50GK41SA3JA000159
50GK41SA4JA000039	50GK41SA5JA000079	50GK41SA9JA000120	50GK41SAXJA000160
50GK41SA0JA000040	50GK41SA1JA000080	50GK41SA0JA000121	50GK41SA1JA000161



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BL1062 OTA Update only eligible vehicles

50GK41SA3JA000162	50GK41SA9JA000196	50GK41SAXJA000238	50GK4LSA3JAA00001
50GK41SA5JA000163	50GK41SA0JA000197	50GK41SA9JA000246	50GK4LSA5JAA00002
50GK41SA7JA000164	50GK41SA2JA000198	50GK41SA2JA000251	50GK4LSA7JAA00003
50GK41SA9JA000165	50GK41SA4JA000199	50GK41SA6JA000253	50GK4LSA9JAA00004
50GK41SA0JA000166	50GK41SA7JA000200	50GK41SAXJA000255	50GK4LSA0JAA00005
50GK41SA2JA000167	50GK41SA9JA000201	50GK41SA3JA000257	50GK4LSA2JAA00006
50GK41SA4JA000168	50GK41SA0JA000202	50GK41SA5JA000261	50GK4LSA4JAA00007
50GK41SA6JA000169	50GK41SA2JA000203	50GK41SA7JA000262	50GK4LSA6JAA00008
50GK41SA2JA000170	50GK41SA4JA000204	50GK41SA0JA000264	50GK4LSA8JAA00009
50GK41SA4JA000171	50GK41SA6JA000205	50GK41SA2JA000265	50GK4LSA4JAA00010
50GK41SA8JA000173	50GK41SAXJA000207	50GK41SAXJA000272	50GK4LSA6JAA00011
50GK41SAXJA000174	50GK41SA5JA000213	50GK41SA5JA000275	50GK4LSA8JAA00012
50GK41SA3JA000176	50GK41SA7JA000214	50GK41SA7JA000276	50GK4LSA1JAA00014
50GK41SA5JA000177	50GK41SA9JA000215	50GK41SA2JA000279	50GK4LSA3JAA00015
50GK41SA7JA000178	50GK41SA0JA000216	50GK41SA6JA000284	
50GK41SA9JA000179	50GK41SA2JA000220	50GK41SA1JA000290	
50GK41SA5JA000180	50GK41SA4JA000221	50GK41SA3JA000291	
50GK41SA7JA000181	50GK41SA6JA000222	50GK41SA8JA000299	
50GK41SA9JA000182	50GK41SA8JA000223	50GK41SA7JA000312	
50GK41SA2JA000184	50GK41SAXJA000224	50GK41SA9JA000313	
50GK41SA4JA000185	50GK41SA1JA000225	50GK41SA0JA000314	
50GK41SA6JA000186	50GK41SA5JA000227	50GK41SA6JA000317	
50GK41SA8JA000187	50GK41SA7JA000228	50GK41SA8JA000318	
50GK41SAXJA000188	50GK41SA9JA000229	50GK41SAXJA000319	
50GK41SA1JA000189	50GK41SA7JA000231	50GK41SA6JA000320	
50GK41SA1JA000192	50GK41SA9JA000232	50GK41SA8JA000321	
50GK41SA3JA000193	50GK41SA2JA000234	50GK41SA1JA000323	
50GK41SA5JA000194	50GK41SA6JA000236	50GK41SA3JA000324	
50GK41SA7JA000195	50GK41SA8JA000237	50GK41SA5JA000325	

CODE	DESCRIPTION	TIME	DEFECT CODE
00-99-24-62	BL1062 Update	1.0	99-20-20-68



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WARNING!

DO NOT ALLOW LAPTOP TO GO INTO SLEEP OR SCREEN SAVER MODE DURING THIS PROCESS. TURN OFF SCREEN SAVER IF NECESSARY AND ENSURE THE LAPTOP STAYS AWAKE. THE LAPTOP MUST BE PLUGGED INTO A STABLE POWER SOURCE DURING THE PROCESS. IF THE VEHICLE GOES INTO SLEEP MODE WHILE AN ECU IS BEING PROGRAMMED; THE REPROGRAMMING MAY BE UNSUCCESSFUL AND MAY CAUSE DAMAGE TO THE ECU.

All Vehicles in the field will be brought up to the latest release level of “BL1062.”

BL1062 updates provide the following:

CIU/ DIS: Performance enhancements, and for Aliso Package display information for Aliso Edition vehicles

Inverters: Inverter Software has introduced functional optimization.

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The target software should be as indicated in the table below.

Record the software IDs displayed on the Karma Sync workshop tester before you begin.

Control Module Name	Software Version ID after BL1062 update (In Yellow have been updated)	Software ID as received before Update (enter ID displayed on scan tool below)
Advance Driver Assistance System (ADAS)	0381-00-47	
Battery Energy Control Module (BECM)	0156-04-66	
EBCM	0071-07-04	
Engine Control Module (ECM) (APP ID)	0121-09-06	
Engine Control Module (ECM) (Cal ID)	0127-09-09	
Central Infotainment Unit (CIU)	17.17.62.3	
Door Module Right	0431-00-24	
Door Module Left	0421-00-24	
Heat/Ventilation Air Conditioning (HVAC)	0162-02-51	
Hybrid Control Unit (HCU)	0111-0C-84	
Memory Seat Module (MSM)	0441-02-09	
Power Inverter Module for Generator	0301-06-35	
Power Inverter Module for Traction (Motor 1)	0281-06-43	
Power Inverter Module for Traction (Motor 2)	0291-06-43	
Tire Pressure Monitor System	0371-00-03	
Vehicle Control Module - Body (VCM-B)	0401-00-29	
Vehicle Control Module - Security (VCM-S)	0411-01-23	

NOTE: The CIU software version ID is found in the TPI, go to: Settings > Vehicle > About

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NOTICE!**ANY DEVICE PLUGGED INTO SHOULD BE
PROMPTLY REMOVED PRIOR TO PROCEEDING****STOP****ABSOLUTELY NOTHING
CAN BE PLUGGED INTO
THE OBD PORT DURING
OVER-THE-AIR UPDATE**

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1. **IF** the vehicle is not at BL1050 then at this time insert the supplied USB stick into the center console USB PORT. This will begin the on-board navigation map files upload. A message will appear on the TPI: "Please wait while update is extracted." (fig. 2a). This should take approximately 45 minutes to one hour. **SKIP THIS STEP IF THE MAP DATA IS VERIFIED from page 5 (Navigation 1.0.0.772 MAP 201706_TA_NA_0001)**

Central Infotainment Unit flashing will occur over-the-air, **TSS is required to be notified prior** to this step. TSS will instruct you to place the vehicle in an suitable safe area with good cellular reception, and place in Ready Mode: the update packet is downloaded to the vehicle- the download requires no other action on the technician's part, only to leave the vehicle in a secure and safe location in your work area for approximately sixty (60) minutes. TSS representative will contact you within the hour.



fig. 2a



fig. 2b

Remove the USB stick when the TPI displays the "...update is verified" (fig. 2b).
Install will follow automatically.

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2. Keep the door latched (closed position) the update will not show up on TPI until power button is powered off with door still latched. This is when you can verify the TPI for update available messaging screen. If the download completed, the vehicle will prompt to accept the **BL1062** update (fig. 3). Accept this and allow the vehicle to update. Note that changing the door latch state will interrupt the accessory delay and shut down the TPI. If the TPI shuts down at power off, the “update available” screen will not display.

Note: The message on the TPI may appear “Map data version is wrong...” this is expected and may be ignored at this time.

BL1062 OTA accept screen

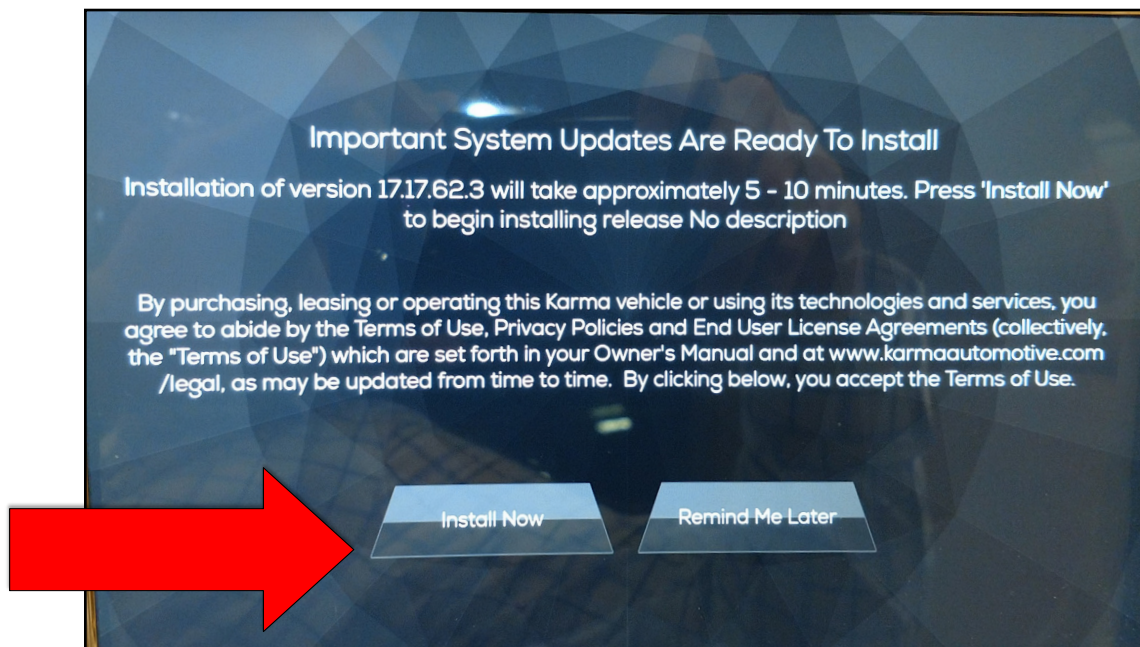


fig. 3

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Below are the screens of the TPI read out as the CIU is updating (fig.4) When the update is complete, the screen may go blank or black or cycle on and off. Normal function will resume upon cycling the Start/Stop button.



fig. 4

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3. Verify the CIU software ID in the TPI after the vehicle has been placed in ready mode. Go to Settings >Vehicle > About, the version should be displayed above the Terms and Conditions bar (fig. 5)



fig. 5

The CIU Software ID should be as displayed: 17.17.62.3

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MODEL: Karma Revero

DATE: December 2018

TITLE: Baseline BL1062 Software Release

NOTE: The following KarmaSync update will only occur once per service laptop, in regards to this bulletin.
It will not be repeated after this first instance.

6. Launch the Karma Sync application or close and relaunch if already open.
 Upon launch of the scan tool you may be prompted to enter user credentials.
 When a software update is available an update dialog box should appear with the new software package (fig.1). Configuration files version 1062.0.0 will load.

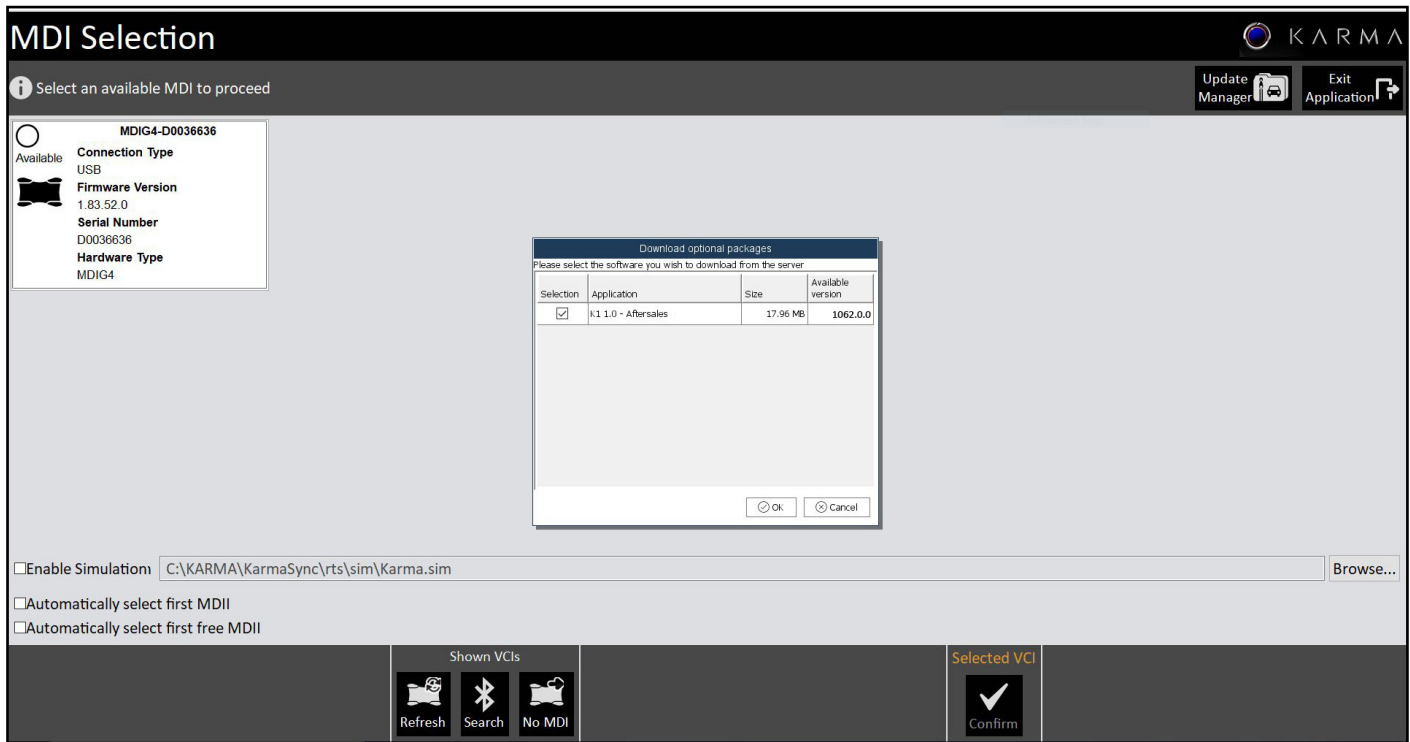


fig.5

7. Click "Ok" to install. (fig. 5)

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- The package for 1062 will then download (**example** fig.8a).

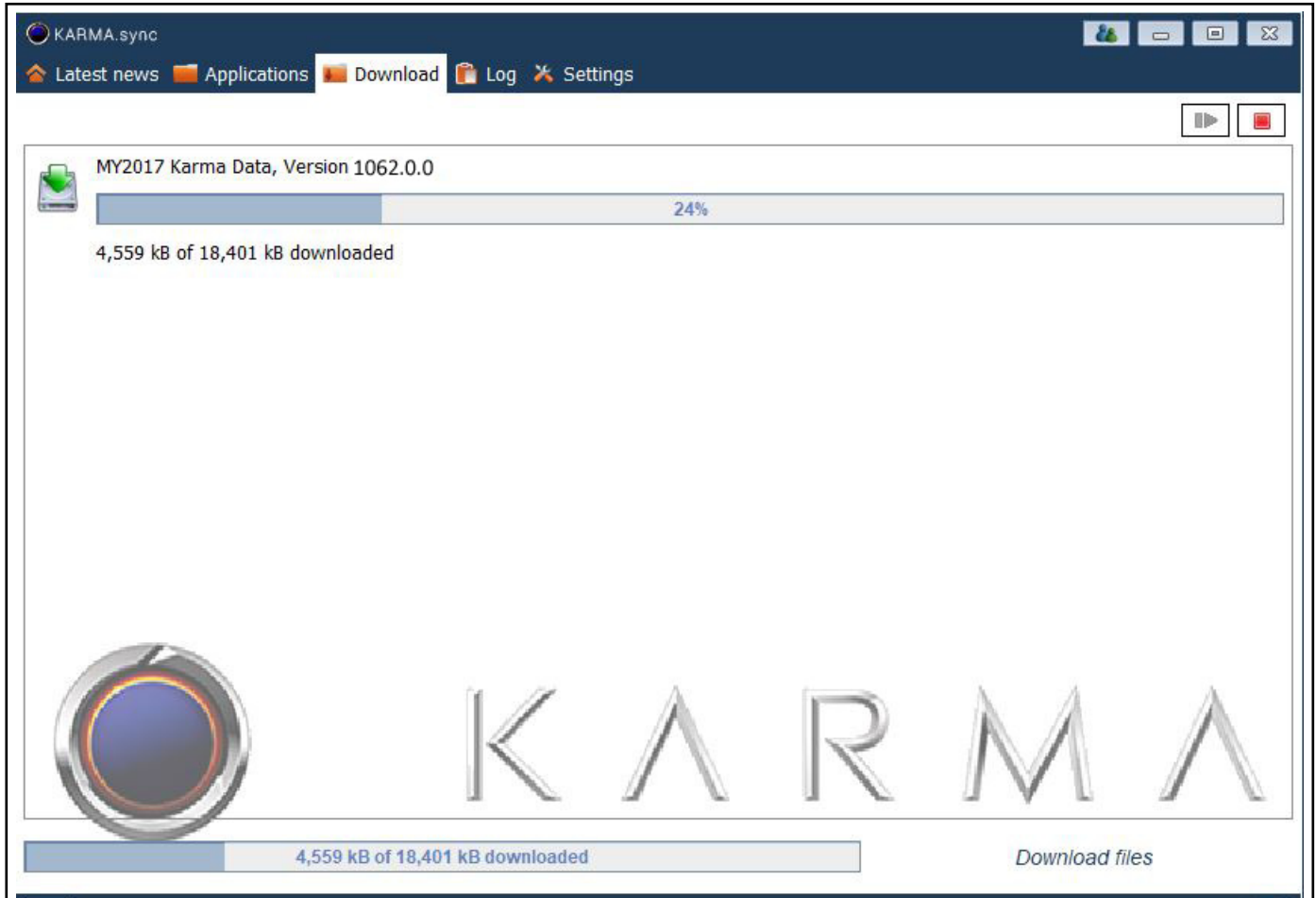


fig.8a

8. When download is complete, follow the on screen prompt (fig. 8b) to allow the software to update on the next restart. (Screens may vary slightly.)

Doing this restart is a complete closing of Karma SYNC and relaunching in order to restart the program.

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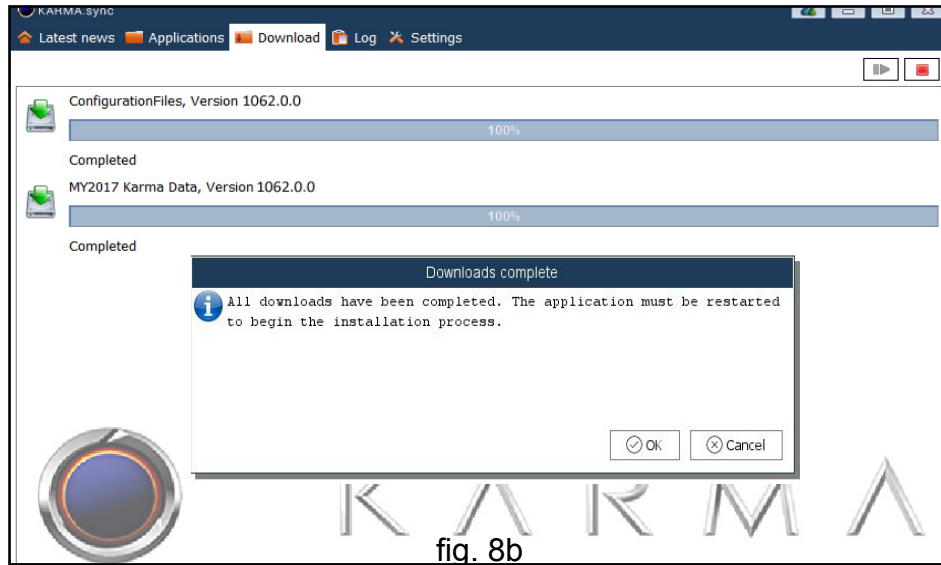


fig. 8b

Restart Scan Tool: The dialog box should open automatically-
If the dialog box does not open automatically to download the new software proceed to add software as shown. The Windows tool bar will have a Karma Sync icon, hover over it (fig.9), right-click, proceed to “add software”. Once complete proceed with the remainder of this bulletin.

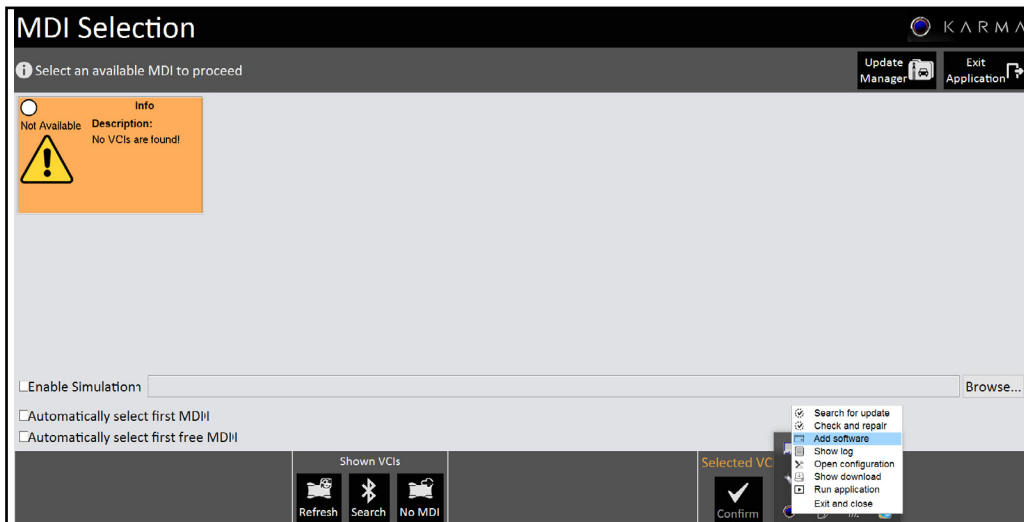


fig.9

If any issue or questions arise contact TSS again in order to resolve these concerns before continuing.

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MODEL: Karma Revero**DATE: December 2018****TITLE: Baseline BL1062 Software Release**

6. Open the Karma Sync application again.
The “Confirm Deliverable Update - K1-18-1062.0.0” box should appear, click “Yes” (fig. 10a).

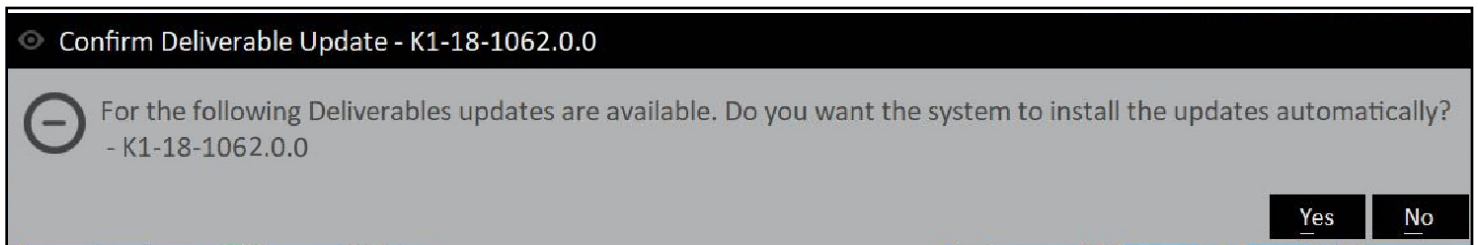


fig.10a

A progress screen will pop up after (fig.10b).

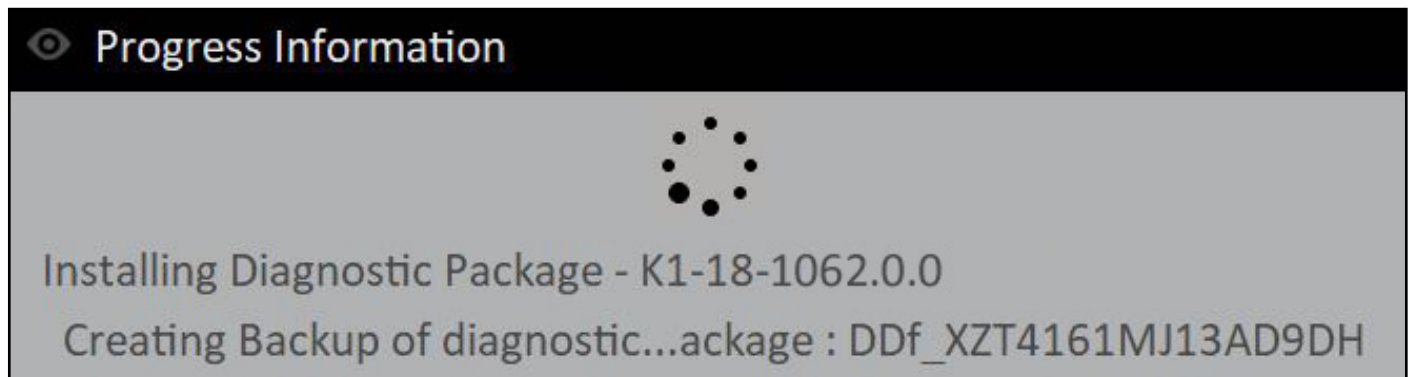


fig.10b

MODEL: Karma Revero

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9. Verify the package installed by clicking on update manager (fig.11).

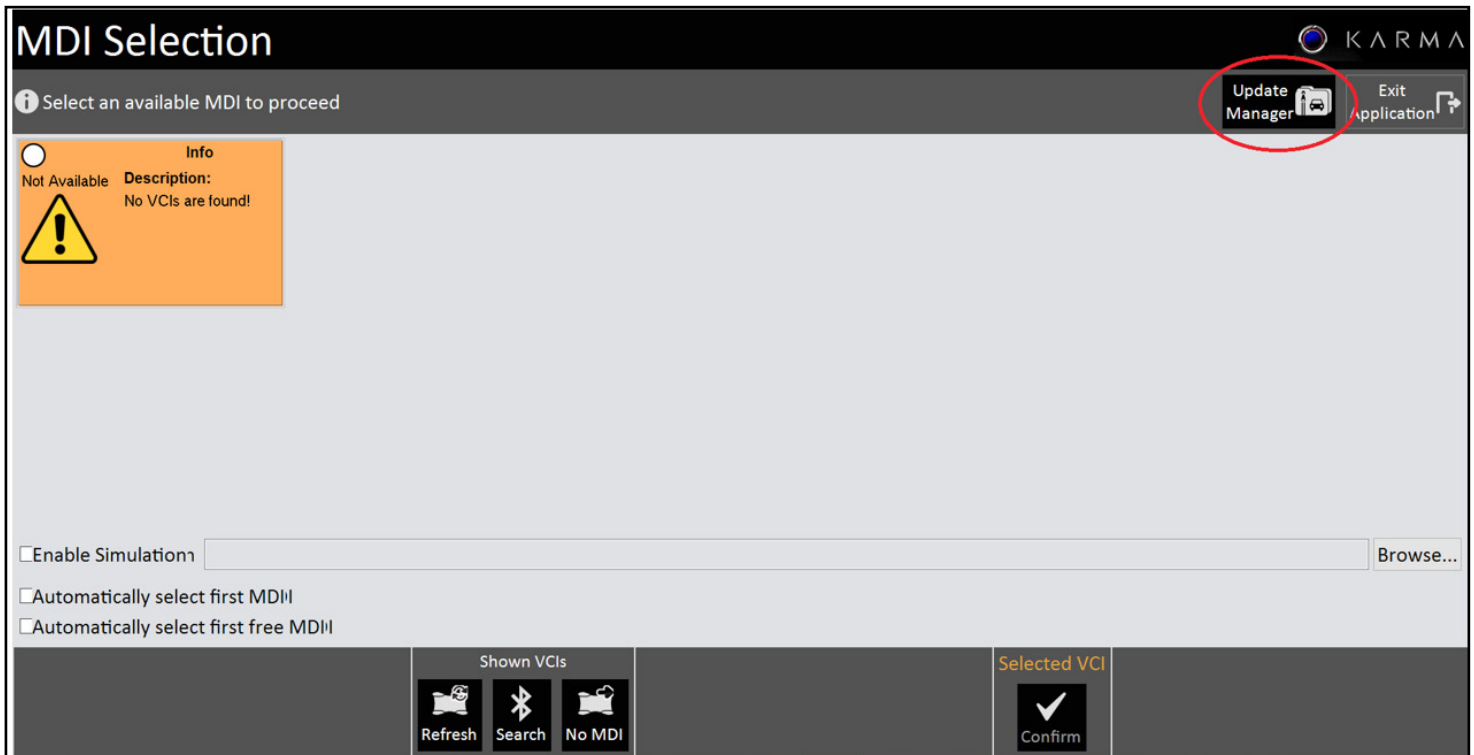


fig.11

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10. Verify the package is installed successfully by verifying that “K1-18-1062.0.0” is displayed in the Update Manager (fig.12).

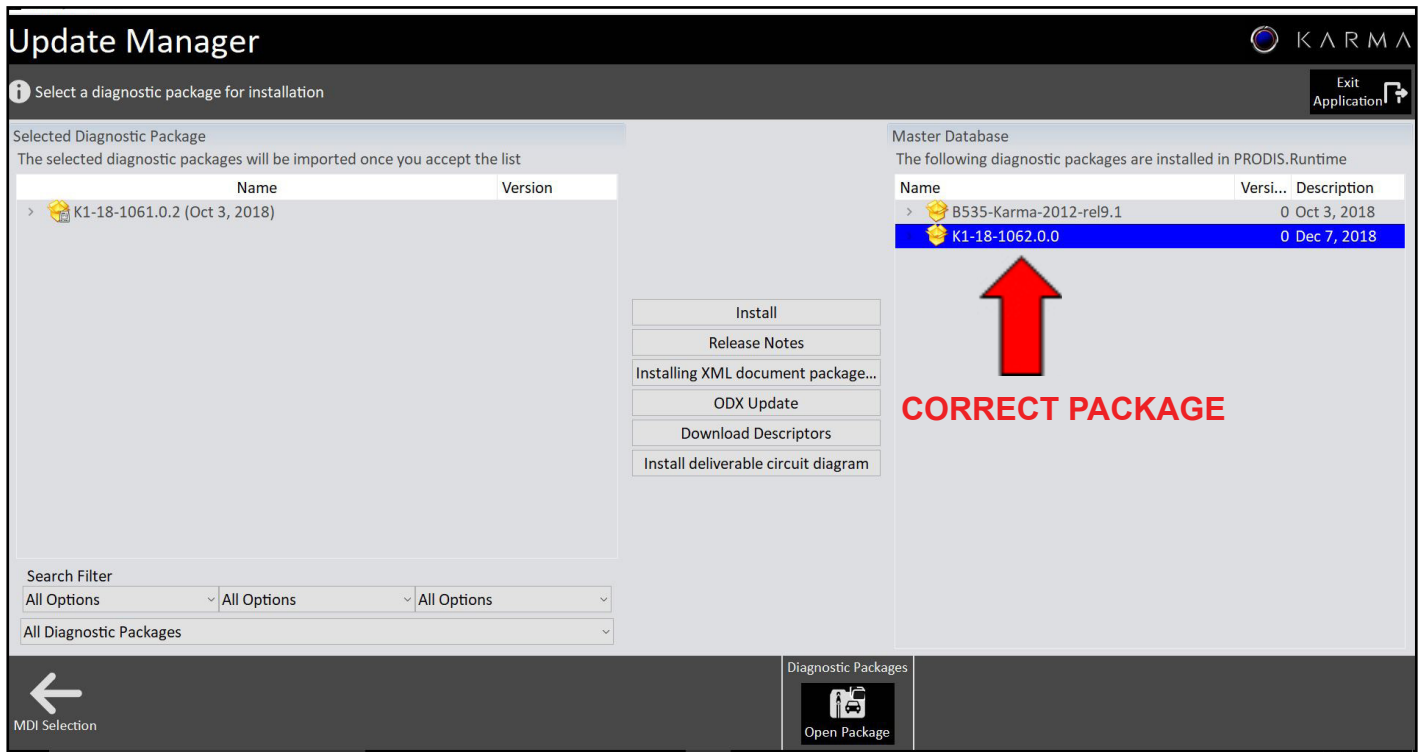


fig.12

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14. Again follow the prompts and ensure that a suitable 12V power supply is connected to the vehicle. and click continue as per (fig. 13a).

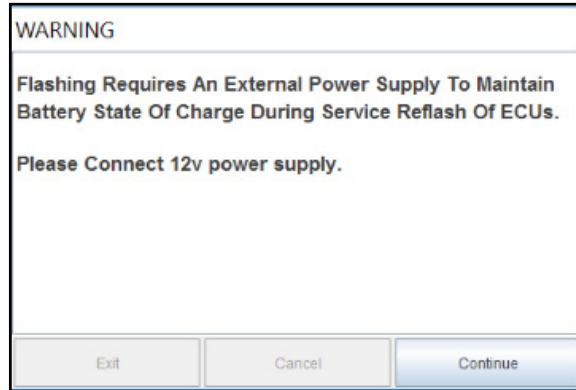


fig.13a

Below is an example of a suitable and recommended power supply (fig.13b).



fig.13b

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19. Return to the vehicle diagnosis menu and select full vehicle update as in (fig.14a) and select K1-18-1062.0.0 as shown below (fig.14b).

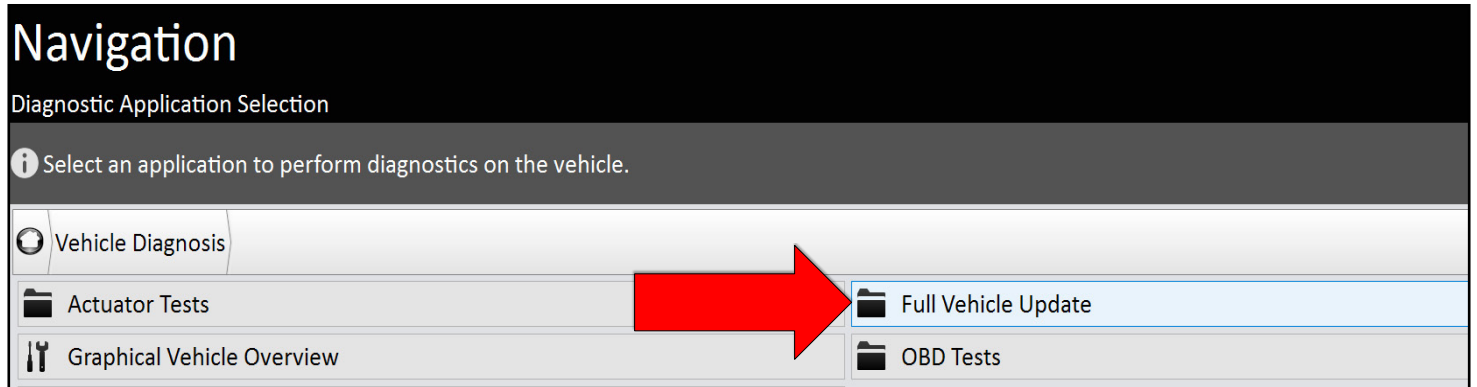


fig.14a

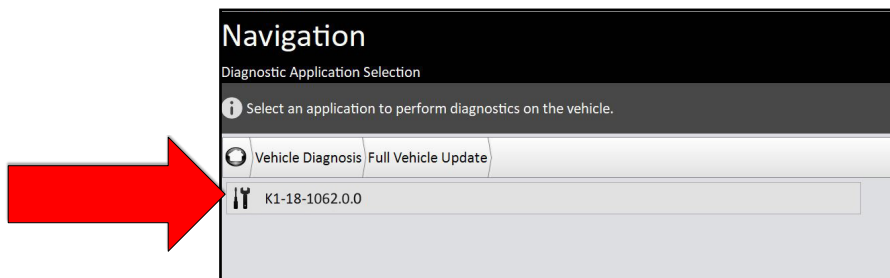


fig.14b

20. Follow the prompts and make sure that a suitable 12V power supply is connected to the vehicle. Click continue (fig.15).

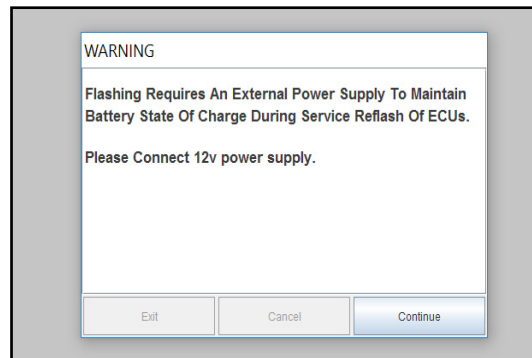


fig.15

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DATE: December 2018

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21. The flash information will be populated, as before (fig.16a). (IF the BL1062 is performed for a vehicle post- BL1050, you will update less modules.)
 - If a pop up opens stating the “OBCM failed to communicate;” disregard this message. Proceed to click “next” and follow the prompts.

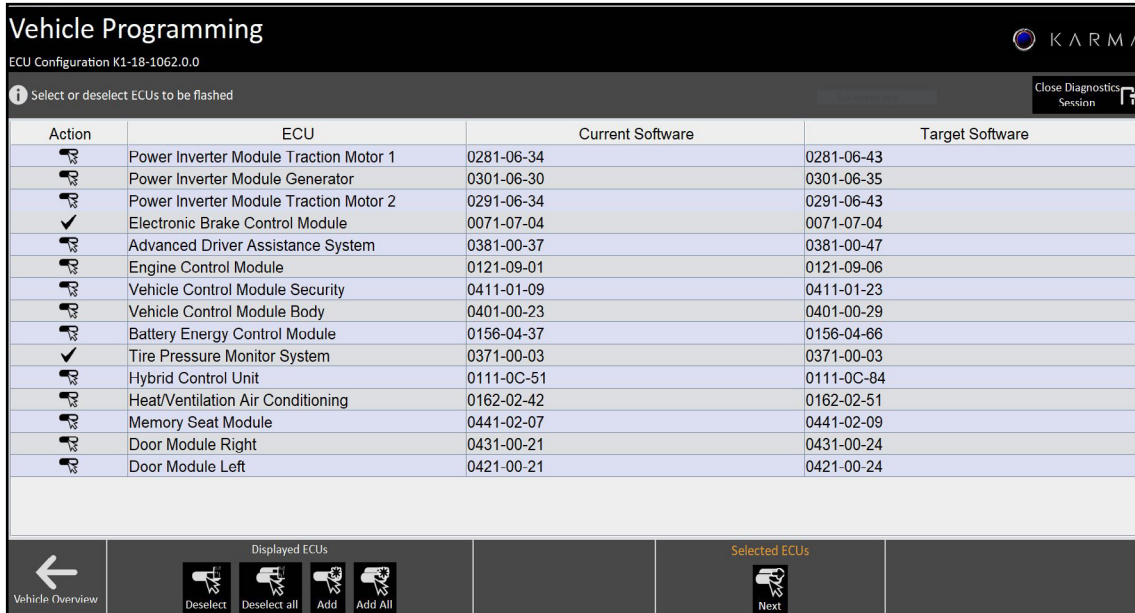


fig.16a

22. Click **START UPDATE**. The modules which will update are displayed, (fig.15b).

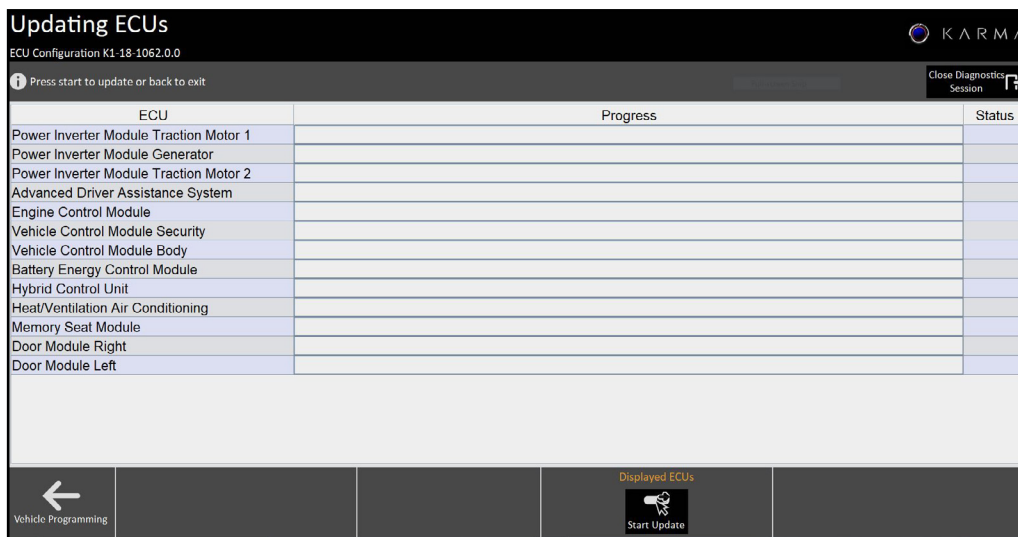


fig.16b

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As instructed place vehicle in the requested mode (fig.17a). Do not walk away from the vehicle, as you will be prompted to switch modes.

23. Follow the prompts and place the vehicle into Accessory or Ready mode. It is normal for the vehicle to appear to be 'stuck on' during this step of the programming. Follow the prompts and do as directed (fig 17a,17b,17c,17d).

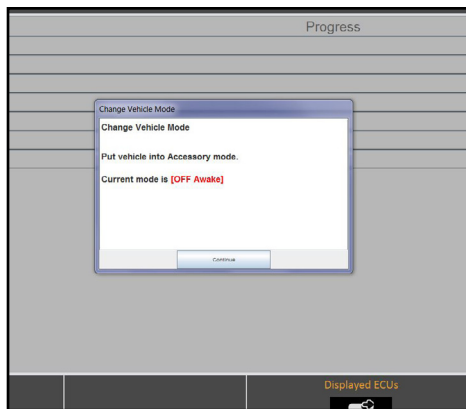


fig.17a

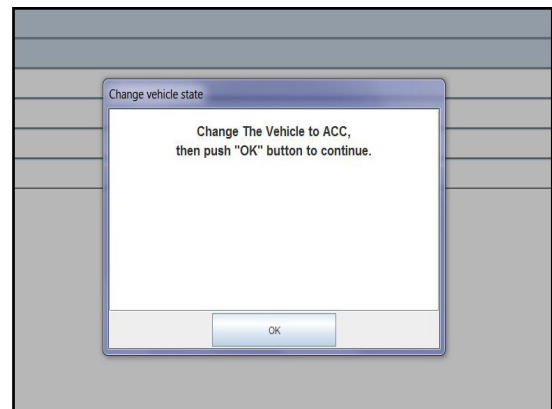


fig.17b



fig.17c

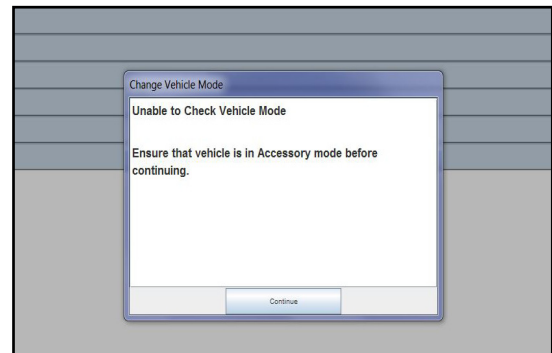


fig.17d

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When complete the green checks should appear (fig. 18 and 18a).

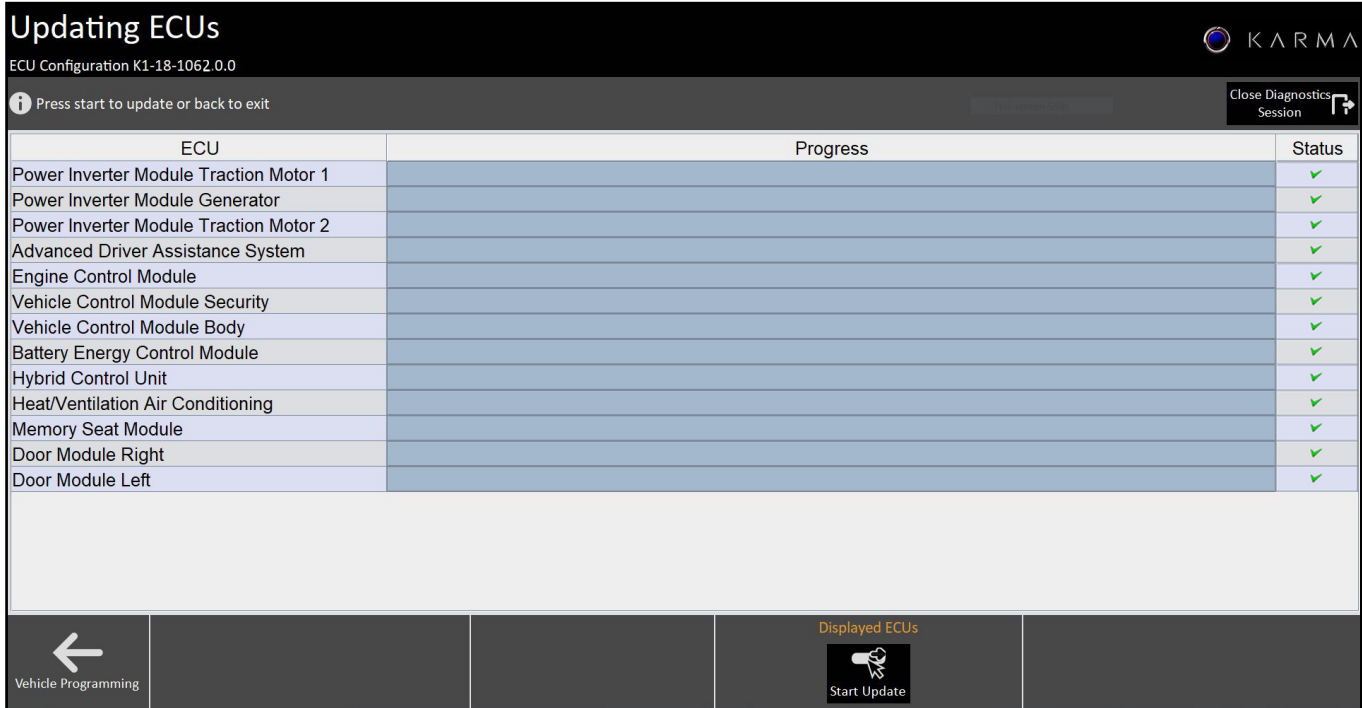


fig.18

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REMINDER: the OBCM will not update.

⚠ NOTICE! ⚠

If any other modules fail to update during this procedure, select that module again and update.

If any module continues to fail to accept the update, please contact TSS for further instruction on how to proceed.

The flash information will be populated, as before (fig.19) - If a pop up opens stating the “OBCM failed to communicate;” disregard this message. Select the modules requiring the update and proceed to click “next” and follow the prompts again if needed.

Action	ECU	Current Software	Target Software
✓	Power Inverter Module Traction Motor 1	0281-06-43	0281-06-43
✓	Power Inverter Module Generator	0301-06-35	0301-06-35
✓	Power Inverter Module Traction Motor 2	0291-06-43	0291-06-43
✓	Electronic Brake Control Module	0071-07-04	0071-07-04
✓	Advanced Driver Assistance System	0381-00-47	0381-00-47
✓	Engine Control Module	0121-09-06	0121-09-06
✓	Vehicle Control Module Security	0411-01-23	0411-01-23
✓	Vehicle Control Module Body	0401-00-29	0401-00-29
✓	Battery Energy Control Module	0156-04-66	0156-04-66
✓	Tire Pressure Monitor System	0371-00-03	0371-00-03
✓	Hybrid Control Unit	0111-0C-84	0111-0C-84
✓	Heat/Ventilation Air Conditioning	0162-02-51	0162-02-51
✓	Memory Seat Module	0441-02-09	0441-02-09
✓	Door Module Right	0431-00-24	0431-00-24
✓	Door Module Left	0421-00-24	0421-00-24

fig.19

If the displayed “Current Software” is marked as complete with check mark, and the software ID does not match the “Target Software”, return to “Vehicle Overview” and “Vehicle Diagnosis” to reload the list. If the list does not match after a reload, contact TSS.

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24. The update is complete with Karma Sync. Any codes need to be cleared in READY state. Ignore the pop-up of cycling state to ACCESSORY in Karma SYNC. Proceed to clear any DTC's present in the system. (fig.20a, 20b, 20c)

-If nothing is able to clear allow the vehicle to sleep for 10 minutes and make another attempt.

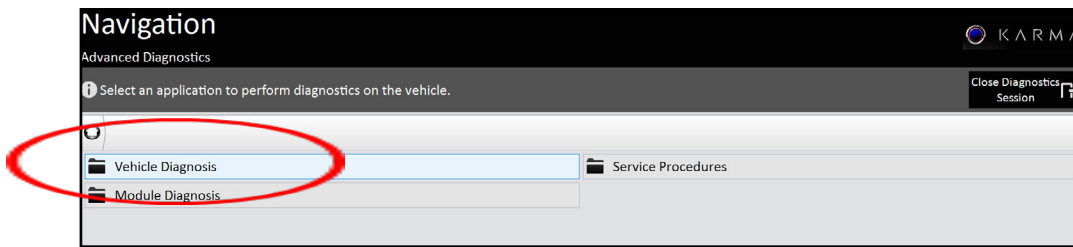


fig.20a

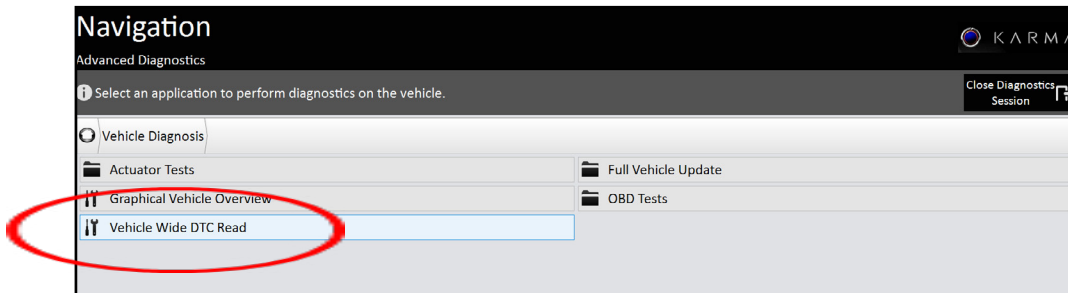


fig.20b

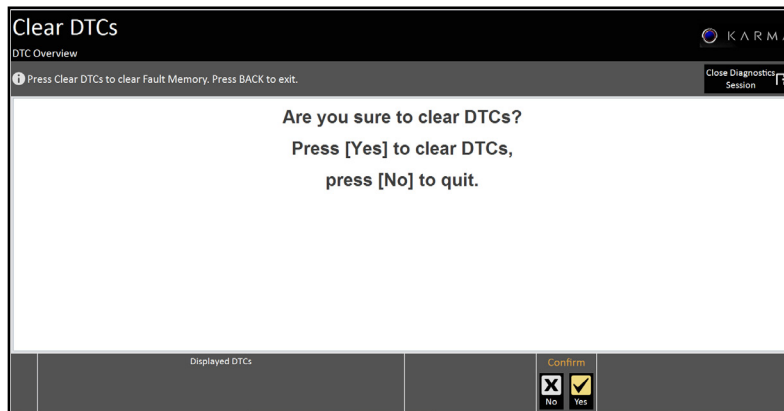


fig.20c

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Service Campaign

CC-18-00-05

MODEL: Karma Revero

DATE: December 2018

TITLE: Baseline BL1062 Software Release

PARTS REQUIRED:

PART NUMBER	DESCRIPTION
N/A	N/A

CAUSAL PART:

PART NUMBER	DESCRIPTION
C131183001701	Central Infotainment Unit

LABOR CODE: (SEE VIN LIST FOR APPLICATION!)

CODE	DESCRIPTION	TIME	DEFECT CODE
00-99-24-56	Older BL to BL1062 Update	2.0	99-20-20-68

CODE	DESCRIPTION	TIME	DEFECT CODE
00-99-24-62	BL1062 Update	0.7	99-20-20-68

SUBLET:

CODE	DESCRIPTION	AMOUNT
N/A		

WARRANTY DISPOSITION: This repair is covered under the New Vehicle Limited Warranty, in effect for five (5) years from the in-service date with no mileage limitation.

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