

ECU SOFTWARE UPDATE FOR NEW MY-RIDE NAVIGATION – USB DRIVER INSTALLATION

**AFFECTED MODELS: 2017, 2018 1290 SUPER ADVENTURE R (TKC)
2018 1290 SUPER ADVENTURE S**

RESTRICTIONS: AFFECTED MODELS ARE LINKED BY VIN IN KTM DEALER.NET

INITIAL INFORMATION:

In the effort of providing the best customer experience possible, KTM North America, Inc. is offering ECU software updates on the select models listed above to bring all electronic systems to the latest specifications. These updates will also provide the MY RIDE feature with Navigation capability free of charge to the 2017 1290 SUPER ADVENTURE R and incorporate the Navigation ability to the MY RIDE already equipped on 2018 1290 SUPER ADVENTURE R (TKC) and 1290 SUPER ADVENTURE S models. MY RIDE was previously a pay to use feature.

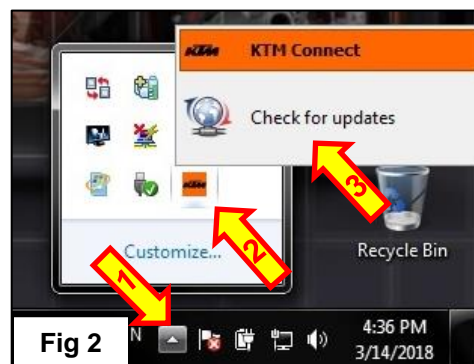
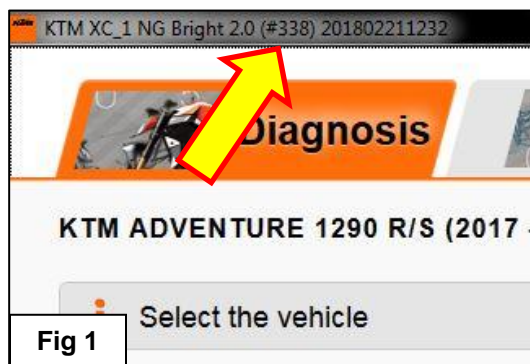
In order to utilize the MY RIDE Navigation, the customer will need to purchase and download the MY RIDE application on their smartphone. Visit www.ktm.com/my-ride for more information.

Due to having so many graphical user interface modifications to the latest software provided for the BOSCH combination instrument cluster, KTM is providing excerpts of the most recent Owner's Manual from the model year 2018 SUPER ADVENTURE. The proper Owner's Manual excerpt should be provided to the customer after completion of this update by any means possible. They can be found with the attachments accompanied with this bulletin.

IMPORTANT PREPERATION STEPS:

Before beginning the ECU flashing (software update process), be sure to have the following tools available and ready to ensure a timely and error free installation.

- XC_1 software must be updated to #338 or higher (**Fig 1**). To update, click the icons (**Fig 2**).



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- The orange USB diagnostic cable p.n. 00029094031 is needed for flashing the BOSCH instrument cluster (**Fig 3**). This cable was auto-shipped to all dealers in September 2017 and if needed can be ordered using the supplied part number.



Fig 3

- The external power supply “**BV8087**” must be connected with the scanbox to the bike (**Fig 4**) and supplied with the AC power. Either the AC power from the wall adapter or using the battery connection leads will provide constant voltage to the scanbox and ECU’s (**Fig 5**).

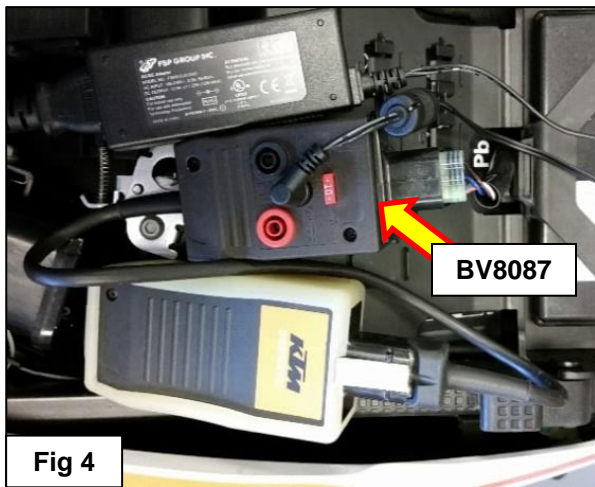


Fig 4

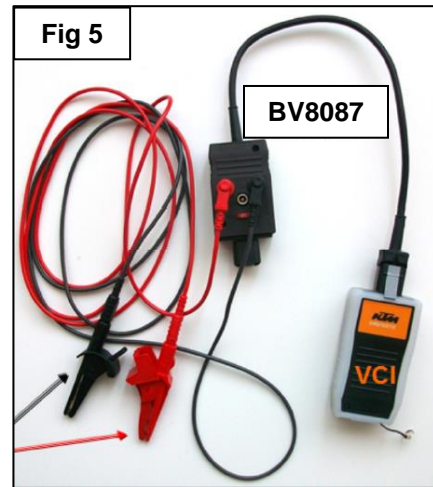


Fig 5

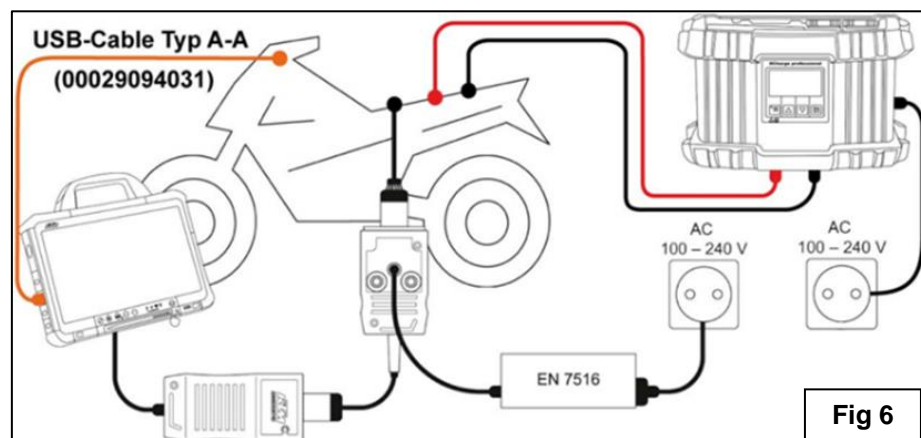


Fig 6

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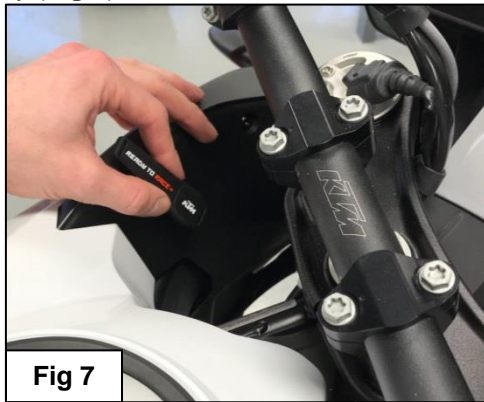
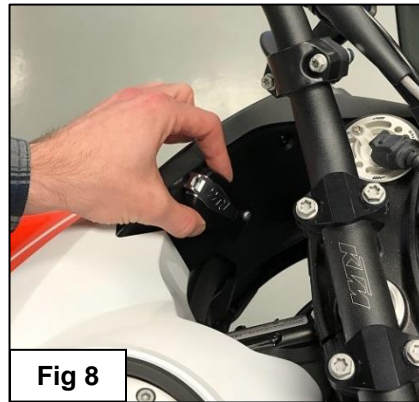
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PROCEDURE FOR REPAIR:

Please always use the XCharge Pro battery charger & maintainer on "Backup Mode" while performing ECU flashing.

1. Power on the motorcycle with the passive ignition key (**Fig 7**) by holding it directly on top of the antenna. If only the FOB is available – remove the battery from it so that it functions the same as a passive key (**Fig 8**).

**Fig 7****Fig 8**

2. Connect the XC_1 to the diagnostic port as shown in **Fig 4** or **Fig 5** with the external power supply adapter, preferably using a USB cable connection to the scanbox. If a cable connection is not possible then using the Bluetooth wireless scanbox connection is okay.

DO NOT CONNECT THE ORANGE USB CABLE AT THIS TIME

3. On the **2017** 1290 SUPER ADVENTURE R (TKC) model, flash the latest mapping files (or higher) into the corresponding ECU's;
 - a. **MCU: K6KT1D-0401_V026**
 - b. **EMS: KM607EU18I0582**
 - c. **HLU: HLKT_60700030017**
 - d. **EWS: KEKT_60700120309**
4. On the **2018** 1290 SUPER ADVENTURE R (TKC) and S models, flash the latest mapping files (or higher) into the corresponding ECU's;
 - a. **HLU: HLKT_60700030017**
 - b. **EWS: KEKT_60700120309**
5. After successfully updating the required ECU's, it is safe to install the USB drivers needed to flash update the BOSCH instrument cluster. It is possible that Dealer Services may have already assisted with installation of the USB drivers on your XC_1 computer.

Installation of the USB drivers is only needed to be done one time.

 - a. If you have the USB drivers installed, you may proceed with connecting the orange USB cable to the third USB port (highest on left side of the XC_1 PC in Fig 6) and to the motorcycle phone compartment USB port. Follow the instructions from Step 12 in the file attachment "USB DRIVER INSTALLATION".
 - b. If you do not have the USB drivers installed, follow the instructions at the beginning in the file attachment "USB DRIVER INSTALLATION".

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6. After completing the update of the all of the ECU's with BOSCH instrument cluster, it is necessary to disconnect the external power supply from the motorcycle diagnostic port, shutoff the ignition for 30 seconds.
7. Turn on the ignition and enter the "VDO" Instrument cluster ECU, select the "FUNCTIONS" button and be sure to program all of the features and functions to suit the particular model motorcycle (**Fig 8**).

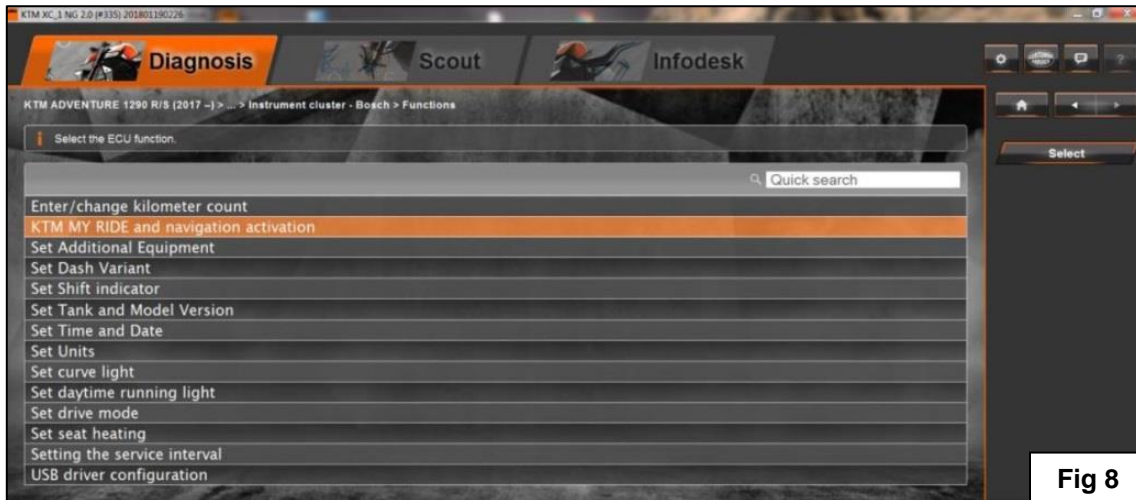


Fig 8

8. To enable the MY RIDE with Navigation, select the option to provide it (**Fig 9**).

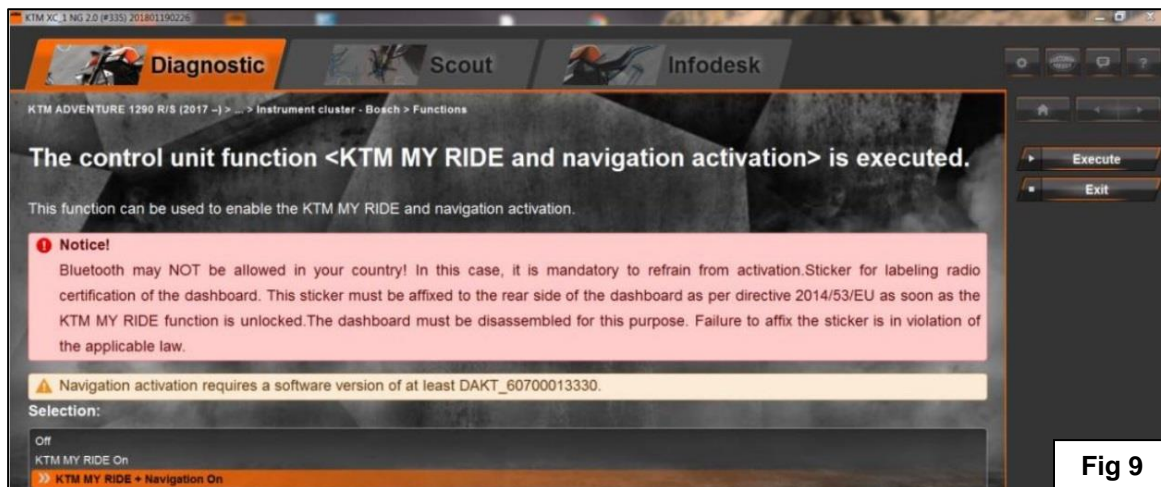


Fig 9

9. Return to the home screen in XC_1, Autoscan the ECU's, and select "Delete all FC's".

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WARRANTY INPUT INFORMATION:

This Technical Bulletin only affects certain VIN numbers! Please check the VIN by performing a Motorcycle History search in KTM Dealer.net to determine if it's affected. If the motorcycle is affected you will see a link to the bulletin and its repair status in the history results. KTM North America will not warranty units whose VIN numbers are not linked as this bulletin does not apply to them. It is the responsibility of the dealer to determine if the unit requires this update by checking the vehicle history and understanding the instructions provided by this bulletin.

Please note that when entering a warranty claim on an affected model, you must perform a vehicle history search, expand the **Technical information** window and click the orange arrow on the right side of the corresponding bulletin message.

You can now choose the TI Number from the list. The TI number for this procedure is according to the repairs performed and listed in the warranty claim input information; click **Continue with selected action code**.

The Warranty Claim is automatically entered for you, including parts & labor. You must enter additional information in the required fields marked with an asterisk "*" before submitting the claim to KTM. The flat rate time for this repair is based on the action performed and provided in minutes.

WARRANTY CLAIM INPUT INFORMATION	
Warranty type:	TI Warranty
Subassembly group:	14 - Instruments
Failure code:	700 - Series improvement
Part causing failure:	60714069000 – Combination instrument TFT
Campaign code:	14_683978_00 ECU Flash Update
Spare parts:	n/a
Labor time:	30 minutes
Stock parts affected:	No

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