



CR234 – ABS Control Unit Software Update and IMU Sensor Correct Assembly Check

Desert X MY2023 (USA country versions only)
Technical Service Bulletin SRV-TSB-22-009

Date: August 2, 2022
To: Dealer Principal, General Manager, Service Manager, North American Dealer Network
From: Richard Kenton, Technical Director
Dan Schwartz, Service Area Manager

Dear Dealers,

We would like to inform you that the vehicles covered by this Pre-Delivery Campaign require an update of the ABS control unit software and a check of IMU sensor correct assembly during Pre-Delivery operations, **hence before motorcycle delivery to the final Customer.**



WARNING

On the frame numbers involved in this Pre-Delivery Campaign it will NOT be possible to activate the warranty until the campaign is completed and it will NOT be possible to deactivate the "*Transport Mode*" until the update is carried out.

Failure to update the ABS control unit/check for IMU sensor correct assembly will result in: ABS warning light flashing on the instrument panel, ABS Cornering strategy not working, and presence of errors in the memory.

All other pre-delivery requirements (see check list for the involved model), including road test, remain valid.

The update is divided into 3 phases (described in detail below):

Phase 1	Connect the DDS 3.0 diagnosis instrument to the vehicle and run a Global Scan that will show a forced update for the ABS control unit, as well as any updates available for the other control units.
Phase 2	After the ABS control unit update, the DDS 3.0 will automatically set the ABS control unit to EOL (End Of Line) mode. Run a new Global Scan to detect the ABS in EOL mode; then launch the test to check the correct assembly of the IMU sensor.
Phase 3	When the test has a positive outcome, run another Global Scan to remove the " <i>Transport Mode</i> ".



CR234 – ABS Control Unit Software Update and IMU Sensor Correct Assembly Check

Desert X MY2023 (USA country versions only)

Technical Service Bulletin SRV-TSB-22-009

Table of Contents

	Page
Introduction	1
Application	2
Customer Impact	3
Parts Distribution	3
Warranty Reimbursement Rules	3
Spare Parts	3
Service Solution	3

Application

You can find the precise list of VIN numbers involved in CR234 on the DCS, in sections:

VIN HISTORY		It is possible to search by individual frame number.
CAMPAIGNS		It is possible to search for all the frame numbers that you received from Ducati Motor Holding.

ATTENTION: YOU HAVE 1 PENDING RECALL CAMPAIGNS							
							SHOW ALL
N	TYPE	STATUS / ID	DATE	DEFECT	CAUSAL PART	DEALER	KM/MI
1	WARRANTY campaign	CR234		SRV-TSB-22-009	ABS SW UPDATE	<input type="button" value="VIEW"/> <input type="button" value="APPLY"/>	



WARNING

On the frame numbers involved in this Pre-delivery Campaign it will not be possible to activate the warranty until the campaign is completed.



CR234 – ABS Control Unit Software Update and IMU Sensor Correct Assembly Check

Desert X MY2023 (USA country versions only)
Technical Service Bulletin SRV-TSB-22-009

Customer Impact

All motorcycles in your inventory (to be registered or already registered) and to be delivered to final Customers must be updated during pre-delivery operations and always before delivery to the final Customer. This update must be completed during PDI on all affected VINs.

Parts Distribution

No spare parts are required.

Warranty Reimbursement Rules

Reimbursement for work associated with this Pre-delivery Campaign will be made through the regular warranty claim procedure using the “**VIN History**” section of the DCS. The warranty claim is pre-filled and is identified as CR234.

The dealership will be reimbursed for a labor time of [REDACTED] for the operation, including the time necessary for:

- Vehicle reception
- Application of the software update and IMU inspection
- Soft cleaning of the vehicle

Spare Parts

No spare parts are required.

Service Solution



WARNING

To ensure the correct execution of the operation within the provided labor time to carry out the updates, it is necessary to follow the sequence indicated in the following instructions.

For the update procedure, follow the instructions below:

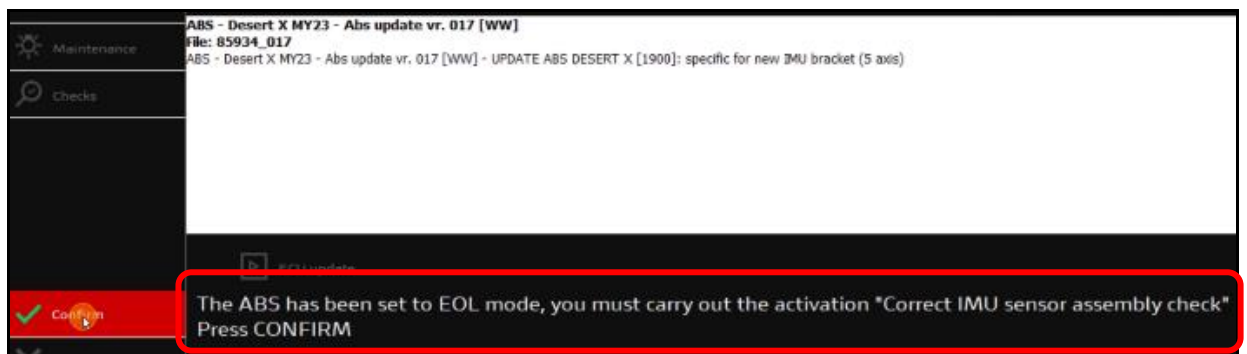
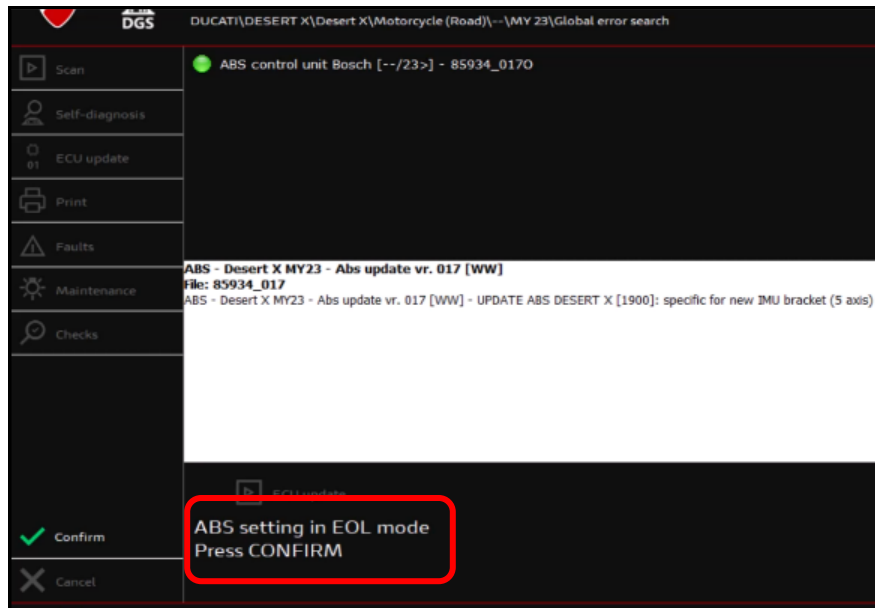
1. Connect the workshop power supply unit to the vehicle, switch it on (checking that the charge warning light comes on correctly) and perform a key ON.
2. Connect the DDS 3.0 diagnosis instrument to the power supply unit and run a **Global Scan** which will show a forced update for the ABS control unit (Software Version **85934_017**).



CR234 – ABS Control Unit Software Update and IMU Sensor Correct Assembly Check

Desert X MY2023 (USA country versions only)
Technical Service Bulletin SRV-TSB-22-009

3. After the ABS control unit update, the DDS 3.0 will automatically set the ABS to EOL mode and inform you that the correct IMU sensor assembly check is required ("**Correct IMU sensor assembly check**").



4. Upon the next **Global Scan**, the DDS 3.0 will guide you through the procedure for checking the IMU sensor correct assembly.



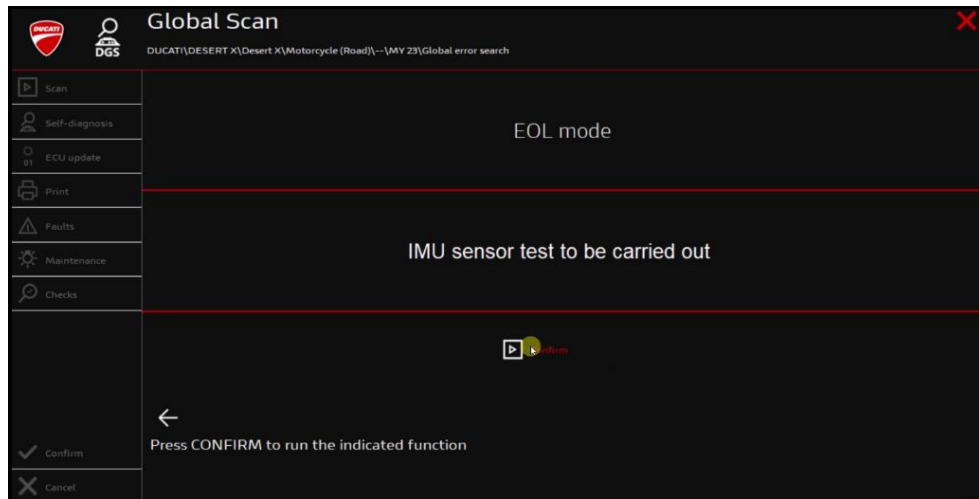
NOTE

To carry out this check, the motorcycle must be placed on the center or rear paddock stand.



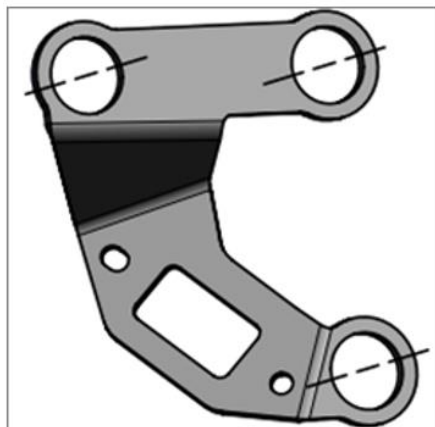
CR234 – ABS Control Unit Software Update and IMU Sensor Correct Assembly Check

Desert X MY2023 (USA country versions only)
Technical Service Bulletin SRV-TSB-22-009

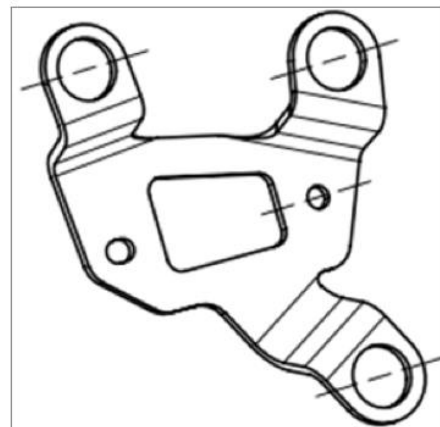


5. At the end of the procedure, if the test outcome was successful, the DDS 3.0 will suggest you run a new **Global Scan** and will finally ask you to remove the *"Transport Mode"* function. After the *"Transport Mode"* has been removed, an error deletion procedure must be carried out.
6. If the test ends with errors, you must:
 - a. Access *"ABS Diagnosis"* select the *"Settings"* window and click on *"ABS setting in EOL mode"*. Then set the ABS control unit in EOL mode
 - b. Check that the software version of the ABS control unit is the correct, in *Info ECU ABS*, field *BB number (algorithm) = 85934*
 - c. Check the shape of the IMU sensor Support Bracket to confirm part number is **8301B191BA**

Correct IMU Support Bracket
8301B191BA



Incorrect IMU Support Bracket
8301B181AA





CR234 – ABS Control Unit Software Update and IMU Sensor Correct Assembly Check

Desert X MY2023 (USA country versions only)
Technical Service Bulletin SRV-TSB-22-009

- d. Check that IMU sensor Part Number is **38540073B** by referencing that the Bosch Part Number is **0265011028**
 - e. If any nonconformities are discovered, create a Youtech request describing what as found. Include any useful photos and/or DDS documentation.
7. Perform a soft cleaning and remove the vehicle from the rear paddock stand

For questions about this Service Bulletin,
please contact your Service Area Manager.