



Technical Bulletin 252

07.2025

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252.2	Triumph Diagnostic Tool - Replacement ABS Modulator Setup - Change to ABS Variant Code Configuration Process	Speed 400, Scrambler 400 X, Scrambler 400 XC

Item:	252.1
Description:	Triumph Diagnostic Tool - ABS Calibration Update and Smart Scan ABS Calibration Version Check Improvement
Model Affected:	Speed Twin 900 from VIN CC4121, Speed Twin 1200 from VIN CB9662 , Speed Twin 1200 RS from VIN CB9979, Trident 660 from VIN CB1390, Trident 660 Triple Tribute from VIN CH8328, Trident 660 LAMS from VIN CC8450, Tiger Sport 660 from VIN CC1223, Tiger Sport 660 LAMS from VIN CD4484, Tiger Sport 800 from VIN CD4171

ABS Calibration Update

We would like to inform dealers that an ABS calibration update has been released for the above models. The calibration update will be available to download to the above models from the Triumph Diagnostic Tool 2025-10 update onwards.

Dealers are requested to update motorcycles at the next service or visit to the dealership.

Smart Scan ABS Calibration Version Check Improvement

We would also like to inform dealers that you will no longer be required to cycle the ignition switch when performing a Smart Scan on the above models.

As a result of this change, the Smart Scan ABS calibration check process will no longer cause ABS CAN Error related DTCs to be stored on various ECMs.

This change will also take effect from the Triumph Diagnostic Tool 2025-10 update onwards.

Background

The diagnostic tool previously used a CAN based ABS diagnostic session to query the ABS calibration version installed on the motorcycle.

- The CAN based ABS diagnostic session can only be accessed within a short period after the ignition is switched ON, hence the previous requirement for an ignition switch cycle.
- Accessing the CAN based session also causes normal ABS CAN signals to be interrupted, which causes ABS CAN Error related DTCs to be stored on other ECMs.

From the 2025-10 update onwards, the diagnostic tool will change to use a K-Line based diagnostic session when querying the ABS calibration version. The K-Line based diagnostic session can be accessed without performing an ignition switch cycle, and without causing ABS CAN Error related DTCs to be stored.

ABS Downloads

ABS downloads for the above models will still require a CAN based diagnostic session. Therefore, you will still be required to perform an ignition switch cycle when starting an ABS download.

Performing downloads to ABS (and other ECMs) will cause DTCs to be stored on various ECMs. Stored DTCs should be checked and erased after all downloads have completed.

Item: 252.2

Description: Triumph Diagnostic Tool - Replacement ABS Modulator Setup - Change to ABS Variant Code Configuration Process

Model Affected: Speed 400, Scrambler 400 X, Scrambler 400 XC

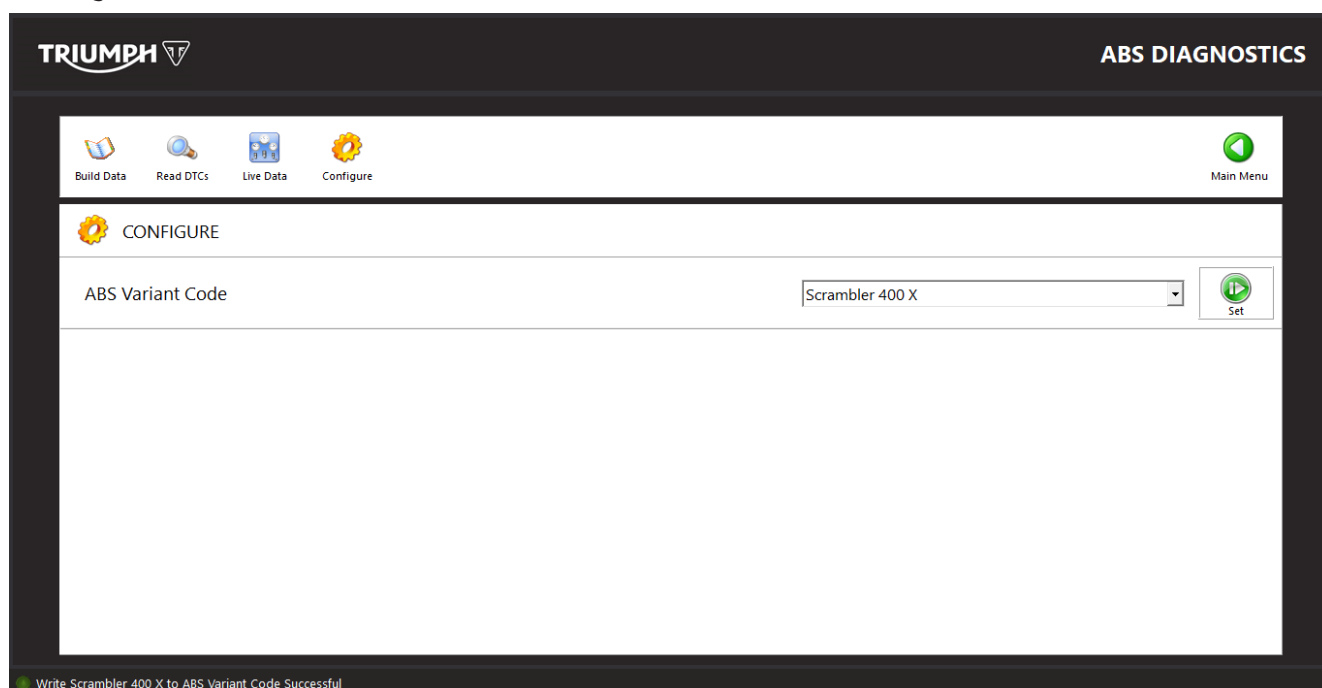
NOTICE

This Technical Bulletin item supercedes the item 'Replacement ABS Modulator Setup' in Technical Bulletin 235, published December 2023.

We would like to inform dealers of a change to the Triumph Diagnostic Tool ABS Variant Code configuration process on the above models. The changes described below will take effect from Triumph Diagnostic Tool version 2025-10 onwards.

Summary of Changes

- The Configure ABS Variant Code feature provided in the ABS Diagnostics area (pictured below) will no longer be available for the above models.



- Instead, ABS Variant Code configuration will be checked and performed as part of the Smart Scan Summary and Download process.
- In addition, Smart Scan identification of the above models will be locked to the motorcycle VIN read from the Engine ECM. This ensures VIN based allocation of all ECM calibration files for download.

NOTICE

We would like to remind dealers that Electronic Control Modules (ECMs) must not be swapped between motorcycles.

If Electronic Control Units are swapped between models, it may not be possible to correctly configure them to match the motorcycle.

Refer to Technical Bulletin 250 for further details.

Replacement ABS Modulator Setup Process

Spares ABS modulators are delivered in an unconfigured condition for the above motorcycles.

After installing a replacement ABS Modulator, the ABS Variant Code must be programmed using the Triumph Diagnostic Tool.

NOTICE

ABS Variant Code Programming is only required when installing a replacement ABS modulator. The ABS Variant Code should not need to be reset or adjusted during normal motorcycle service.

1. Connect the Triumph Diagnostic Tool to the motorcycle and turn the ignition ON.
2. Make sure the engine stop switch is in the RUN position.
3. Navigate to **Smart Scan** and click **Start**.

WARNING

Always make sure that Smart Scan has detected the correct motorcycle model before clicking CONFIRM. At the Model confirmation Screen, always check the Model Name, Market Variant and VIN details displayed are correct for the connected motorcycle.

Clicking CONFIRM when incorrect motorcycle model details are displayed will result in an incorrect software and calibration assessment of your motorcycle. This can lead to incorrect calibrations being downloaded to the motorcycle, which in turn could cause an unsafe riding condition.

An unsafe riding condition could lead to an accident resulting in injury or death.

NOTICE

If incorrect model details are displayed on the Model Confirmation screen, the most likely causes are:

- The Engine ECM and Immobiliser are programmed with an incorrect VIN.
- One or more ECMs are programmed with an incorrect calibration or variant coding.

In this scenario, do not perform any calibration downloads.

Contact Triumph Service for support. Provide details of the VIN engraved on the motorcycle frame and provide screen shots of the Build Data page for each ECM.

4. At the Model Confirmation screen, check the Model Name, Market Variant and VIN details displayed are correct for the connected motorcycle.
5. If all details are correct, click **CONFIRM** to continue.
6. The Smart Scan Summary screen will show that an ABS Update is available.
7. Go to the Smart Scan Download page.
8. Check the motorcycle details displayed are correct, then update the ABS modulator following the normal Smart Scan download process.

NOTICE

The ABS download will complete quickly. The progress bar may move quickly from 0% to 100%.

9. After completing the download, the motorcycle will be scanned again.
10. Repeat model confirmation before returning to the Smart Scan Summary page.
11. The Summary page should now report the ABS modulator is up to date.
12. Go to the Smart Scan DTCs page. Check all motorcycle ECMs for stored DTCs and erase as necessary.