



Technical Bulletin 175
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175.1	Update to Instrument and Engine ECM Calibrations	Street Triple R, Street Triple R - LRH, Street Triple RS

Item: 175.1

Description: Update to Instrument and Engine ECM Calibrations

Model Affected: Street Triple R, Street Triple R - LRH, Street Triple RS

All new Street Triple R, Street Triple R - LRH and Street Triple RS models with TFT instruments must have the latest instrument software and engine ECM calibration installed prior to use.

Dealers are requested to download the latest software and calibration before performing the pre-delivery inspection, as described in the following procedure.

Warning

Failure to download the latest software and calibration may cause an unsafe riding condition leading to loss of motorcycle control and an accident.

Preliminary Steps

Caution

The full instrument download process can take up to 10 minutes to complete.

Always ensure that the battery is correctly commissioned and fully charged before attempting to download the latest software and Engine ECM calibrations.

A download process that has been interrupted due to low battery voltage must be restarted after the battery has been fully recharged.

- Ensure that the motorcycle battery is correctly commissioned, fully charged and installed as described in the service manual.
- Download and install the latest version of the Triumph Diagnostic Tool Software to your computer as described in the Triumph Diagnostic Tool Installation Guide.
- Connect the Triumph Diagnostic Tool to the motorcycle as described in the Triumph Diagnostic Tool User Guide and turn the ignition on.

Core Activity

The software and calibration must be downloaded in the following order:

- Instruments software
- Engine ECM calibration

Warning

Always use Automatic Model Selection when downloading software and Engine ECM calibration updates.

Manual model selection must only be used when attempting to restart an interrupted or failed download, or if an incorrect model is detected by Automatic Model Selection.

Always ensure that the correct model is detected or selected before selecting a calibration for download and never attempt to download calibrations listed for an incorrect model.

Downloading instrument and engine ECM calibrations for an incorrect model will cause a dangerous riding condition which may lead to loss of motorcycle control and an accident.

Note:

- **The current password for all downloads can be found on TriumphOnline.net.**
- **It is normal for DTCs to be stored after a download has completed. This is due to the download process interrupting CAN communications between the ECMS.**
- **After a download has completed, you will be prompted to check and erase any stored Immobiliser, TPMS, Engine ECM and ABS DTCs. This must be completed after all downloads are complete.**

Instrument Download

Caution

If the download is cancelled or interrupted (either by accidental disconnection of the interface, a discharged battery, or by turning the ignition off) before it has completed, it will prevent the instruments/ECM from operating in the normal way. This is because the instrument's/ECM's operating system has been erased from memory and has not yet been fully replaced. The download must be restarted using Manual Model Selection.

Note:

- **The instrument download procedure for this model requires the engine start/stop switch to be in the Off (STOP) position.**
1. Switch the engine start/stop switch to the Off (STOP) position.
 2. Navigate to DOWNLOAD and select INSTRUMENT DOWNLOAD.
 3. Enter the password.

Note:

- **If the message 'Update Not Required, Instrument Software is up to date' is displayed after selecting Automatic Model Detection, no further downloads are required. Click cancel and proceed to Engine ECM download.**
4. Select Automatic Model Selection and click Start. Ensure that the correct model is detected.
 5. Select the available software download and click Next.

Note:

- **When using Manual Model Selection, four instrument software versions are available to download for each model. Each software version is different, and configures the correct headlight and daytime running light (DRL) (if fitted) settings for each market, in addition to setting the instrument to display the appropriate speed, distance, temperature and tyre pressure units for the region selected (UK, US, ROW, JP).**
6. Ensure that the model and software details are correct in the Download Confirmation screen, then click Confirm. The download will begin.

Note:

- **During the download, it is normal for the instrument display screens and lighting to turn off.**
 - **The download is complete when the Verifying Download screen appears, with a Finish button in the bottom right hand corner.**
7. Click Finish when the download has completed.

Engine ECM Download

Caution

If the download is cancelled or interrupted (either by accidental disconnection of the interface, a discharged battery, or by turning the ignition off) before it has completed, it will prevent the instruments/ECM from operating in the normal way. This is because the instrument's/ECM's operating system has been erased from memory and has not yet been fully replaced. The download must be restarted using Manual Model Selection.

Note:

- **The engine ECM download procedure requires the engine start/stop switch to be in the On (RUN) position.**
1. Switch the engine start/stop switch to the On (RUN) position.

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2. Navigate to DOWNLOADS and select ENGINE ECM DOWNLOAD.
 3. Enter the password.
 4. Select Automatic Model Selection and click Connect. Ensure that the correct model is detected.
 5. Select the required calibration and click Next.
 6. Ensure that the model and calibration details are correct in the Download Confirmation screen, then click Confirm.
 7. Click Finish when the download has completed.

Note:

- **It is normal for DTCs to be stored after a download has completed. This is due to the download process interrupting the motorcycle's CAN communications.**
- **After clicking finish, you will be prompted to check and erase any stored DTCs. This must be completed after all downloads are complete.**

Final Steps

 **Warning**

Never start the engine or run the engine in a confined area. Exhaust fumes are poisonous and can cause loss of consciousness and death within a short period of time. Always operate your motorcycle in the open-air or in an area with adequate ventilation.

- Check and erase all stored DTCs
- Unlock the engine ECM as described in the Triumph Diagnostic Tool User Guide.
- Check that the engine starts.
- Perform the pre-delivery inspection as described in the Motorcycle Pre-delivery Inspection Guide.