



Technical Bulletin 173
01.2017

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173.1	Instrument Calibration Downloads	Bonneville T100 from VIN 759204, Bonneville T100 Black from VIN 765369, Bonneville T120, Bonneville T120 Black, Street Twin, Street Twin A2 Restricted Licence Version, Thruxton 1200, Thruxton 1200R

Item: 173.1
Description: Instrument Calibration Downloads
Model Affected: Bonneville T100 from VIN 759204, Bonneville T100 Black from VIN 765369, Bonneville T120, Bonneville T120 Black, Street Twin, Street Twin A2 Restricted Licence Version, Thruxton 1200, Thruxton 1200R

New instrument calibrations have been released for the above models. The new calibrations are designed to be used in conjunction with Triumph accessory alarm kits.

Dealers are requested to download the new instrument calibrations when fitting an accessory alarm kit to affected models in the VIN ranges shown below.

Dealers are also requested to download the new instrument calibrations to affected motorcycles that have previously had an accessory alarm kit fitted, at the next service/visit to the dealership.

Downloading of the new instrument calibrations is not required if no alarm is fitted.

Model	VIN Range		Alarm Kit	
	From	Up To		
Bonneville T120 Bonneville T120 Black	739727	797331 798469 (Brazil only)	A9808110	
Bonneville T100 Bonneville T100 Black	759204 765369	797331 798469 (Brazil only)		
Street Twin Street Twin A2 Restricted Licence Version	731919	797337 798379 (Brazil only)		
Thruxton 1200	743684	797334 798280 (Brazil only)		A9808119
Thruxton 1200R	740405	797334 798280 (Brazil only)		

Note:

- The instrument calibration download process for the affected models differs from that of other models. Follow the procedure detailed below when downloading the new instrument calibrations to the affected models.

Instrument Calibration Download Procedure

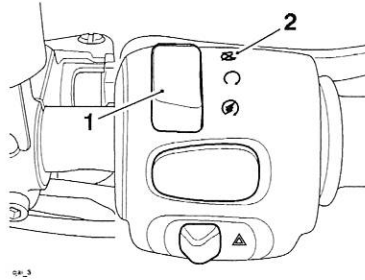
Caution

Always ensure that the battery is correctly commissioned and fully charged before attempting to download new calibrations.

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

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.



1. Engine start/stop switch (Bonneville T120 shown)

2. Off (STOP) position

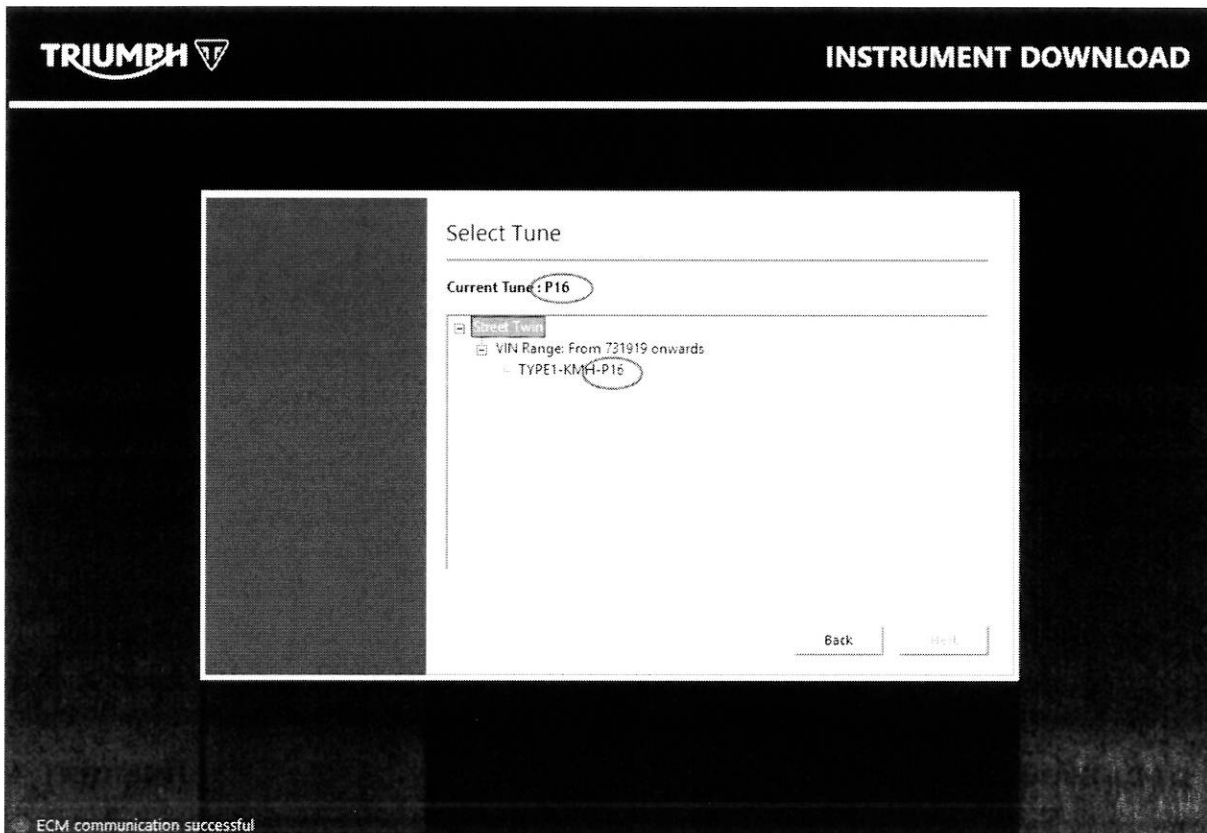
2. Connect the Triumph diagnostic tool to the motorcycle as described in the Service Manual and turn the ignition switch on.
3. Navigate to the **DOWNLOAD** menu and select **INSTRUMENT DOWNLOAD**.

Note:

- The current password for all calibration downloads can be found on [TriumphOnline](https://www.triumphonline.com).
4. Enter the password and click **Next**.
 5. Select **Automatic Model Selection**.
 6. Check the diagnostic interface is connected to the diagnostic connector on the motorcycle then click **Start**.
 7. Check the correct model is detected.

Note:

- Check the current instrument calibration against the calibration listed for download. If the calibration versions match, the instrument calibration is up to date and no further download is required.



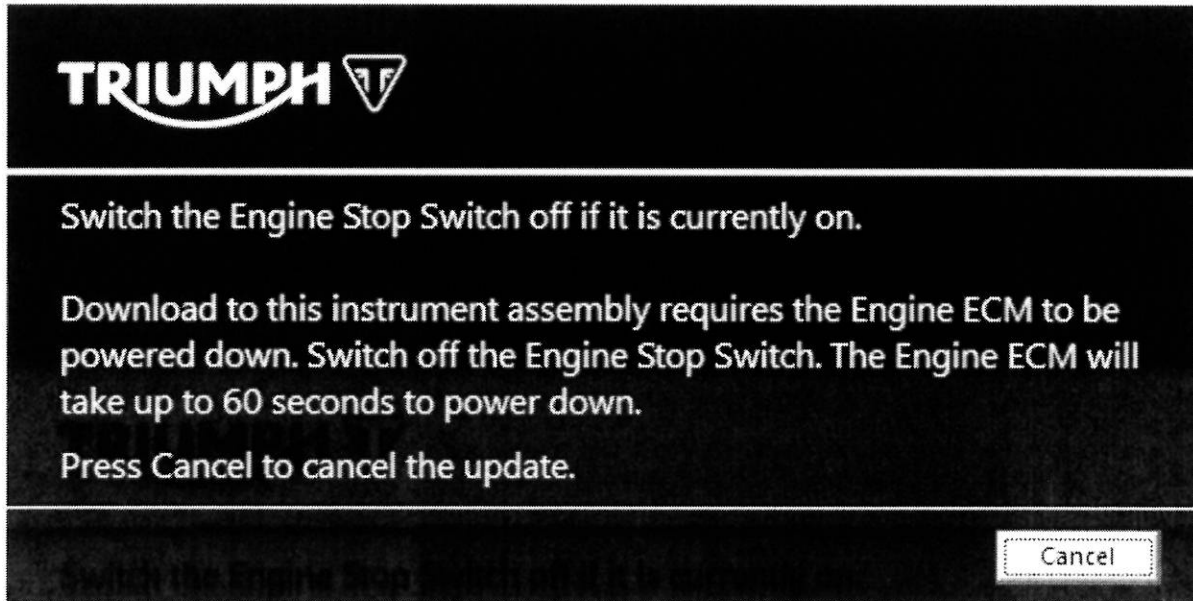
8. Select the available calibration and click **Next**.
9. Check the model and calibration details are correct in the download confirmation screen, then click **Confirm**.

Note:

- Upon clicking confirm, the diagnostic tool will prompt you to switch the engine start/stop switch Off, if it is currently On.
- The calibration download will not start until the engine start/stop switch is switched Off and the engine ECM has powered down. It takes approximately 60 seconds for the engine ECM to power down.

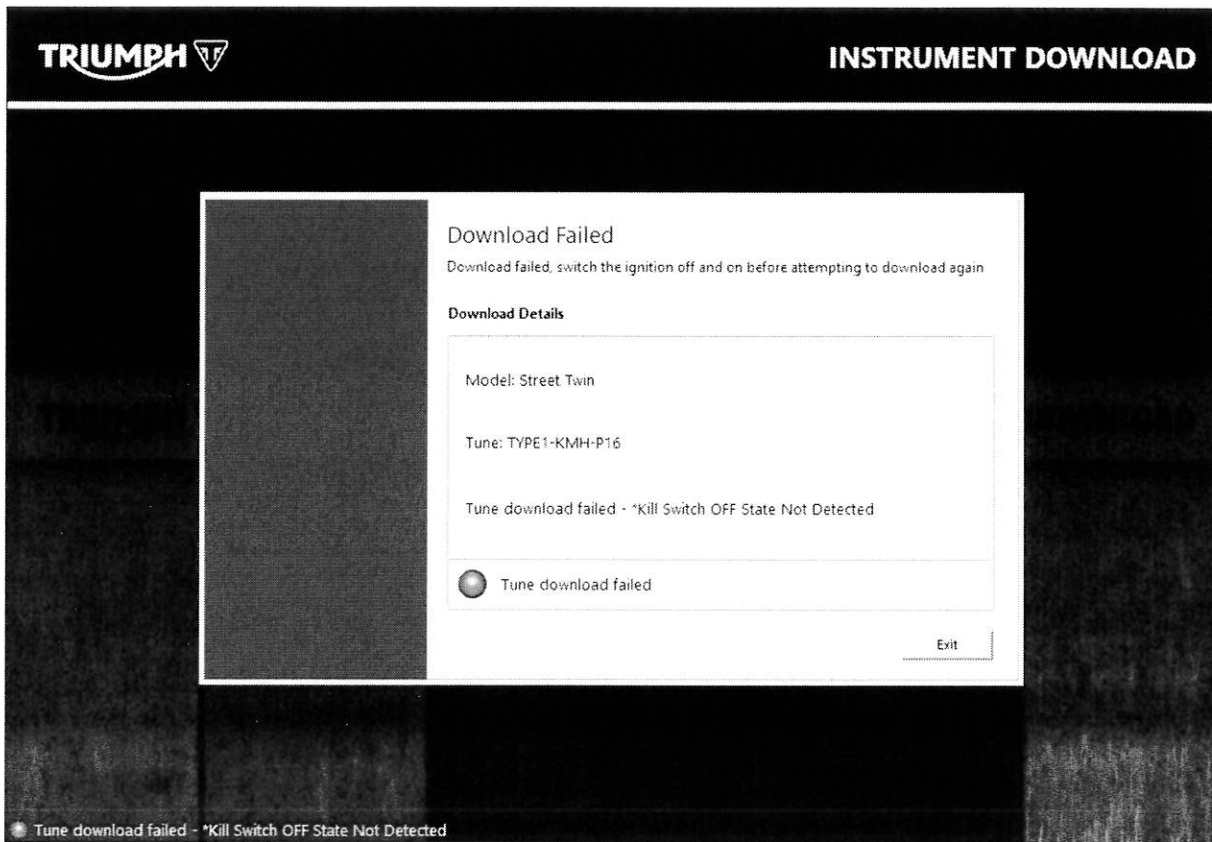
Note:

- If the engine ECM is powered down prior to clicking Confirm, this message is displayed for a short time before the download automatically begins.



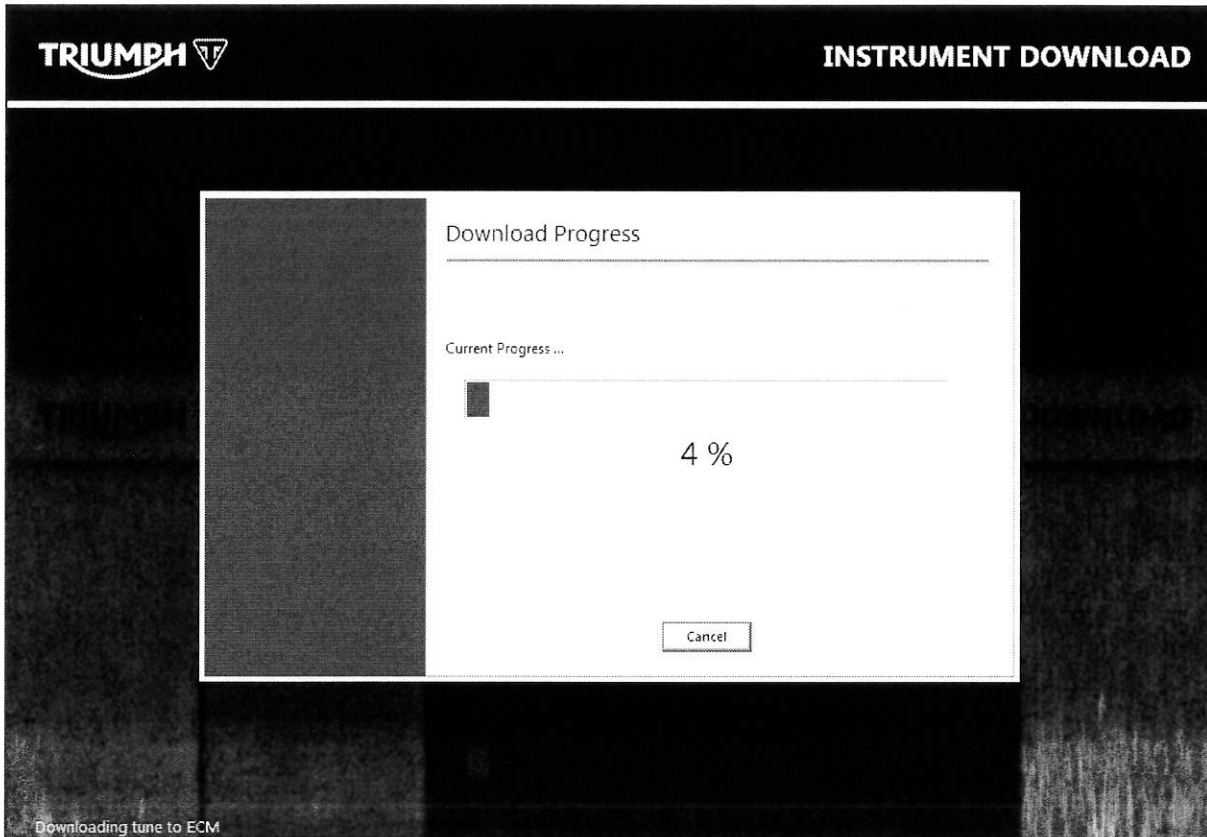
Note:

- A time delay of approximately 80 seconds is provided to allow the engine start/stop switch to be switched Off, and the engine ECM powered down. The download is aborted if the engine ECM is not powered down before the time delay expires.



10. When prompted, check that the engine start/stop switch is switched to the Off (STOP) position. If necessary, wait for the engine ECM to power down.

11. The calibration download will begin automatically as soon as the engine ECM has powered down.



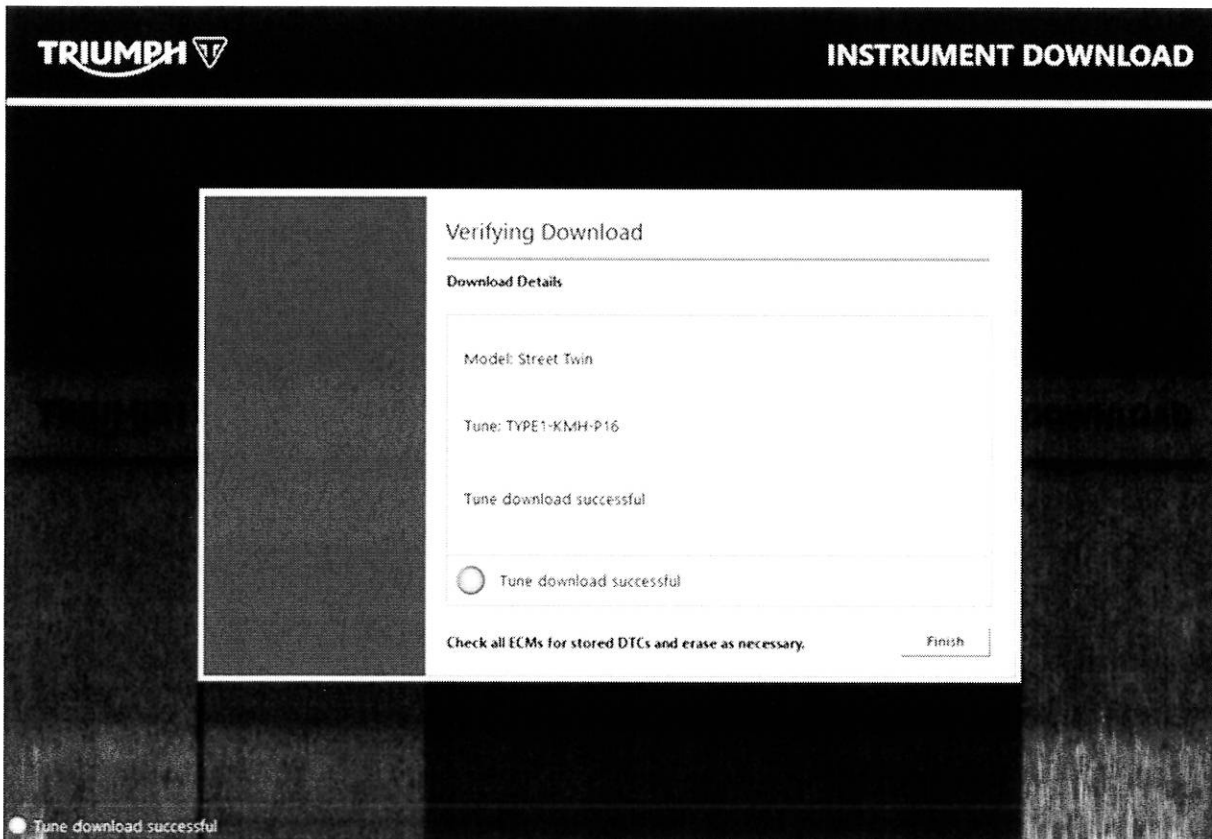
⚠ Caution

During the instrument calibration download, DO NOT switch the engine start/stop switch to the On (RUN) position as this will cause the calibration download to fail and could cause irreparable damage to the instruments.

⚠ Caution

If the calibration 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 from operating in the normal way. This is because the operating system has been erased from the instrument's memory and has not yet been fully replaced. A new calibration must be downloaded to the instruments using Manual Model Selection.

12. When the download has completed, the diagnostic interface can be disconnected from the motorcycle. Turn the motorcycle ignition off and click the **Finish** button to return to the Main Menu.



13. In the event of a cancelled or interrupted calibration download, repeat the download procedure using **Manual Model Selection**.

Caution

Ensure that the correct model is selected when downloading instrument calibrations using Manual Model Selection.

Any attempts to download an incorrect instrument calibration may result in irreparable damage to the instruments.

Note:

- When using Manual Model Selection, calibrations for both MPH and KMH instruments will be available for selection. Ensure that the calibration selected matches the primary units displayed on the speedometer face of your instruments.