Technical Bulletin 209
07.2020

Contents

Item: **209.1**

Description: **Riding Modes - Instrument Calibration Update**

Model Affected: **Street Triple R and Street Triple R-LRH from VIN 982752 up to VIN AC0897**

It has come to our attention that the above models do not show all riding modes in the instrument options. Only Road and Rain modes are able to be selected, with Sport and Rider modes not being displayed. This is due to an instrument configuration error.

Triumph can confirm that the above models from VIN AC0898 onwards are not affected.

An instrument calibration update is now available to resolve this issue on affected models. Dealers are requested to download the latest instrument calibration to affected models at the next service/visit to the dealership.

Note:

- **This instrument calibration update is only required to resolve the riding mode issue described above.**
- **The update should not be carried out if the instruments provide the correct selection of riding modes.**

Instrument Download Process

1. Download and install the latest version of the Triumph diagnostic software. Triumph diagnostic software version 2020-07 or later is required to complete this process.
2. Before starting the calibration download, make a note of the following:
   - The motorcycle VIN
   - The odometer (ODO) value displayed on the instruments
   - The Service Interval Announcement (SIA) value displayed on the instruments.

Note:

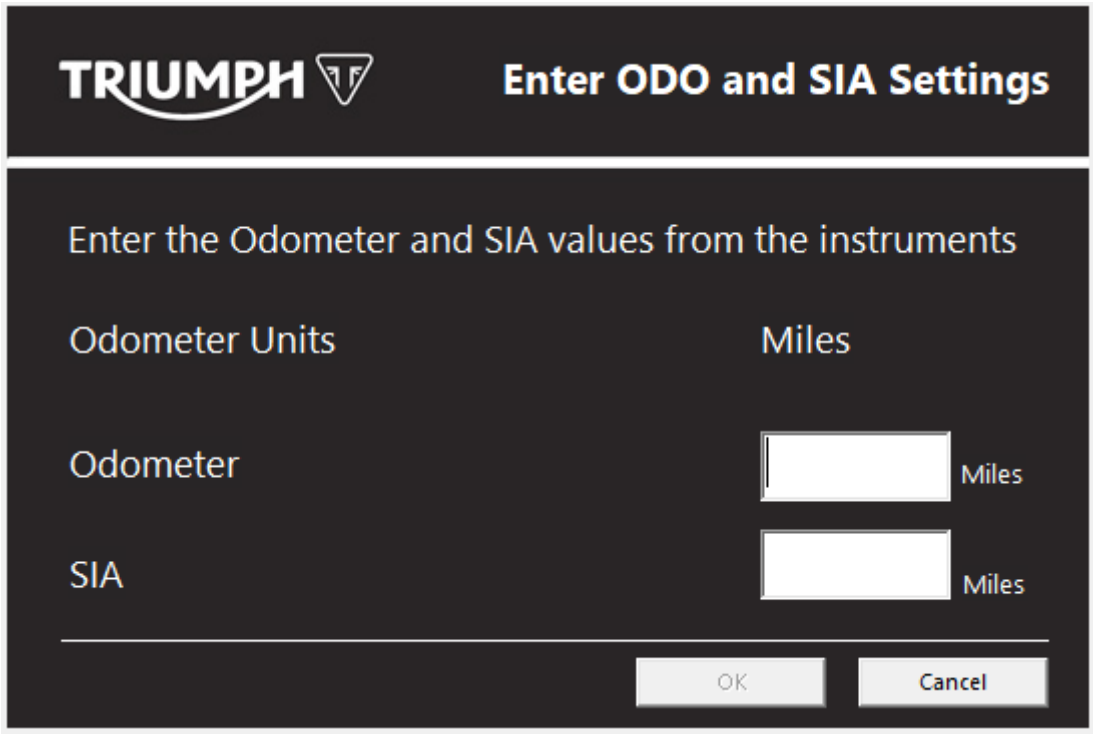
- **Refer to the Owner's Handbook for details on how to access the odometer and SIA displays on the instruments.**

3. Download the latest instrument calibration to the motorcycle using Automatic Model Detection.
4. Make sure that the correct calibration is selected for your units/region.
5. Follow all onscreen instructions during the download.

Note:

- **After clicking Confirm to start the download, the diagnostic tool will prompt you to enter the Odometer and Service Interval Announcement (SIA) values.**

6. Enter the odometer and SIA values noted at the start of this procedure. Click **OK** to continue.



7. Turn the ignition switch OFF and ON when instructed. The download will start when the ignition is switched ON.

Note:

- **Multiple files are transferred during the download. The progress bar displayed on the diagnostic tool will repeatedly rise from 0% to 100% as each file is downloaded.**
- **Do not assume the download has completed when the progress bar reaches 100% or when the instrument display turns back on. Always wait for the Verifying Download screen to appear to confirm the download has successfully completed.**

8. When the download has completed, check the instruments for the following:
   - Check that Rain, Road, Sport and Rider modes are available.
   - Check that the instruments display the odometer and SIA values noted earlier in this procedure.

Note:

- **The SIA value can only be programmed in multiples of 100 miles or km. The SIA value entered at the start of the download will be rounded up to the nearest 100 miles or km.**
- **If any of the above checks do not pass, contact Triumph Service with the VIN, odometer and SIA values noted at the start of this procedure.**

9. Check the Engine ECM, ABS and Immobiliser for stored DTCs and erase as necessary.

Recovery of Interrupted/Failed Instrument Downloads on the above Models

If the instrument download is interrupted or has failed for any reason (such as accidental disconnection of the diagnostic interface or low battery voltage), the instruments can be recovered as follows:

1. Download the correct calibration for your units/region using Manual Model Selection.

Note:

- **The odometer/SIA entry screen and the ignition OFF/ON instructions may not be displayed when performing the Manual Model Selection download. In this case, the download will proceed automatically. Please wait for the download to complete.**
- **The Manual Model Selection download will return the instruments to a known state but will not fully complete the configuration process.**
- **An Automatic Model Detection download must be performed after completing the Manual Model Selection download. The Automatic Model Detection download will complete the configuration process and return the instruments to normal operation.**

2. Repeat the download using Automatic Model Selection, as described in the Instrument Download Process detailed above.

Item: **209.2**

Description: **Pin Point Test - Manifold Absolute Pressure (MAP) Sensor**

Model Affected: **Rocket 3 R, Rocket 3 GT, Rocket 3 TFC**

The Action column for the pinpoint test Manifold Absolute Pressure (MAP) Sensor (P0068) has changed for the above models. This information amends the current Service Manual section of TriTun - Fuel and Exhaust System and Engine Management - Manifold Absolute Pressure (MAP) Sensor.

For P0068 we have added four additional actions.

One of the actions is for Camshaft Timing Check/Adjust. This is a mechanical check and is to be carried out if all the previous checks listed for P0068 do not clear the fault code.

The method for Camshaft Timing Check/Adjust is in the Routine Maintenance chapter of the Service Manual.

Manifold Absolute Pressure (MAP) Sensor

Note:

- **For Fault Code P0068, carry out the actions as listed in the action column for P0068.**
- **Only carry out the Camshaft Timing Check/Adjust if all the previous checks listed for P0068 do not clear the fault code.**

Fault Code	Possible cause	Action
P0068	Manifold absolute pressure sensor correlation error with throttle position sensor	Check for air leak at the throttle body/ transition piece to cylinder head face. Check for trapped, twisted and damaged MAP sensor hose(s). Check for air leak at the MAP sensor hoses. View and note 'freeze-frame' data if available. View and note 'sensor' data. Make sure sensor connector is secure. Disconnect the engine ECM and proceed to pinpoint test 1: Camshaft Timing Check/Adjust, as described in the service manual
P0069	Manifold absolute pressure sensor correlation error with ambient pressure sensor	View and note 'freeze-frame' data if available. View and note 'sensor' data. Make sure sensor connector is secure. Disconnect the engine ECM and proceed to pinpoint test 1:
P0107	Manifold absolute pressure sensor 1 short circuit to ground	
P0105	Manifold absolute pressure sensor 1 open circuit or short circuit to 5 Volt sensor supply	
P1105	Manifold absolute pressure sensor 1 pipe malfunction	Check connection/condition of pipes from MAP sensors to throttle body.

The remainder of the Pin Point Test for Manifold Absolute Pressure (MAP) Sensor is as described in the Service Manual.

Item:	**209.3**
Description:	**Front Fork Tightening Sequence (incorporating Fork Top Caps and Directional Indicators)**
Model Affected:	**Rocket 3 GT, Rocket 3 R, Rocket 3 TFC**

The tightening sequence for the front fork fixings for the above models has changed as described below.

1. Fit new fixings and tighten the pinch bolts in the following three stages:

Stage 1

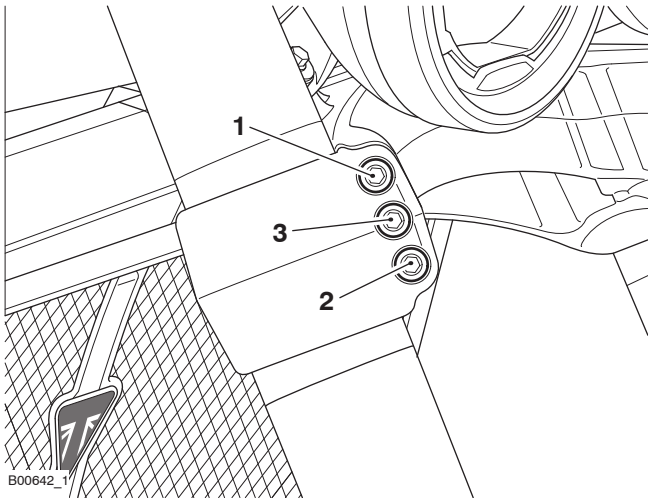
2. Tighten the fixings in the sequence shown to **25 Nm**.

Stage 2

3. Tighten the fixings in the sequence shown to **25 Nm**.

Stage3

4. Tighten the fixings in the sequence shown to **25 Nm**.



Lower Yoke Pinch Bolts Tightening Sequence

5. If the fork top caps have been loosened, tighten them to **35 Nm**.

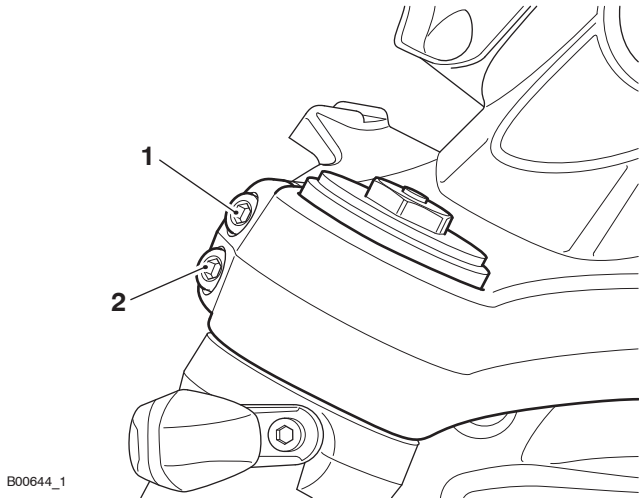
6. Tighten the upper yoke pinch bolts in the following two stages:

Stage 1

7. Tighten the fixings in the sequence shown to **25 Nm**.

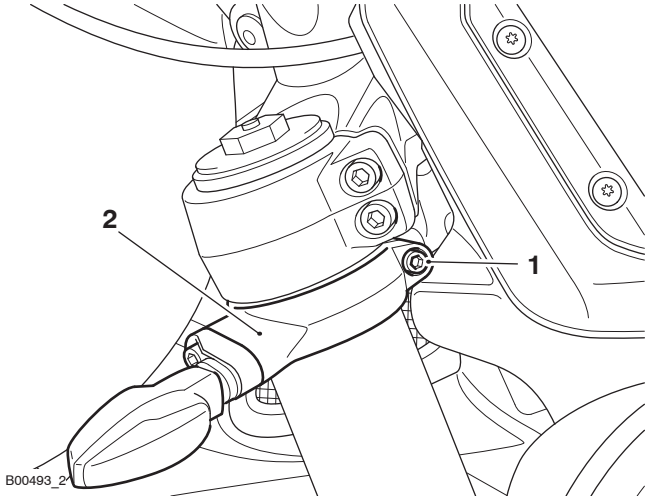
Stage 2

8. Tighten the upper fixing to **25 Nm**.



Upper Yoke Pinch Bolts Tightening Sequence

9. Position the direction indicator as noted for removal and tighten its fixing to **3 Nm**.



1. Fixing
2. Direction indicator

The remainder of the front fork installation is as described in the Service Manual.

When ordering replacement parts, refer to the EPC.

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it when working on the relevant Triumph motorcycle. This information will be included in the next service manual update.

Item: 209.4

Description: Electronic Systems Commissioning and Motorcycle Unlocking

Model Affected: Scrambler 1200 XC, Scrambler 1200 XE, Scrambler 1200 Bond Edition

This revised item replaces Technical Bulletin 194 item 15 (TB 194.15) dated January 2019. Changes to this revised item are as follows:

- **Scrambler 1200 Bond Edition is added to the models affected.**
- **The Instruments Calibration Download section is updated to detail VIN programming functionality.**

When performing a Pre-Delivery Inspection on the above models, the motorcycle's electronic systems must be commissioned and the motorcycle unlocked before the engine can be started.

⚠ Warning

Failure to download the latest calibrations to the above model(s) may cause an unsafe riding condition leading to loss of motorcycle control and an accident.

Dealers are requested to commission the electronic systems and unlock the motorcycle by performing the following operations in order:

- Keyless ECM calibration download
- Instrument calibration download
- Engine ECM calibration download
- Unlock the engine ECM.

Initial Steps

⚠ Warning

Make sure the motorcycle is stabilised and adequately supported.

A correctly supported motorcycle will help prevent it from falling.

An unstable motorcycle may fall, causing injury to the operator or damage to the motorcycle.

Note:

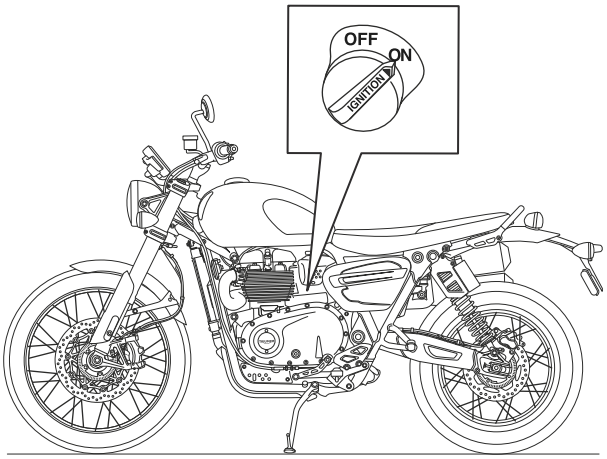
- **Before starting the setup procedure, ensure the battery voltage is at least 12.8 Volts.**
- **An approved battery charger suitable for use with maintenance free batteries, may be used to maintain battery charge during the setup process.**

1. Unpack the motorcycle as described in the Motorcycle Unpacking Guide.
2. Assemble the motorcycle as described in the Motorcycle Assembly Guide.
3. Ensure that the motorcycle battery is fully charged and installed as described in the service manual.
4. Download and install the latest version of the Triumph Diagnostic Tool Software to your computer as described in the Triumph Diagnostic Tool Installation Guide.

Note:

- **The motorcycle is supplied with one smart key and two passive keys.**
- **The smart key has two modes of operation, active mode and passive mode.**
- **With the smart key in active mode, the motorcycle can be powered ON when the smart key is positioned within 1 metre (3 feet) of the Low Frequency (LF) antenna.**
- **There is an LF antenna located under the seat, and another located in the headlight unit.**
- **With the smart key in passive mode, the key must be positioned against the LF antenna located under the seat to power the motorcycle ON.**
- **Passive keys must be positioned against the LF antenna located under the seat to power the motorcycle ON.**
- **The smart key should be set to active mode and kept within 1 metre (3 feet) of the LF antenna for the duration of this procedure.**

5. To check the smart key is in active mode, press the smart key button and ensure the LED flashes green. If the LED flashes red, press and hold the button until the LED changes to green.
6. Remove the left hand side panel as described in the Service Manual.
7. Connect the Triumph Diagnostic tool.
8. **US markets Only:** Turn the master ignition switch to the ON position.

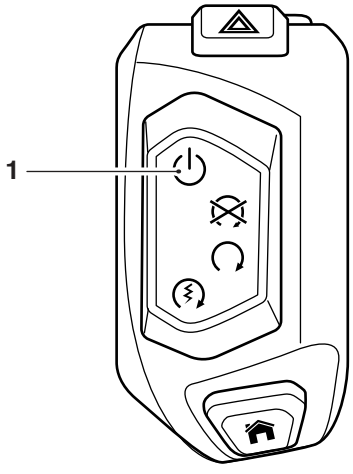


Master Ignition Switch

Note:

- **The smart key may be placed in the steering lock to ensure it is kept in range throughout this procedure.**

9. Position the smart key in range of the LF antenna and press the Power ON/OFF button to power the motorcycle ON.



ckdp_2

1. Power ON/OFF button

Core Activity

Warning

Always use Automatic Model Selection when downloading calibrations.

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

Caution

Do not interrupt or cancel calibration downloads before they have completed.

If a calibration download is cancelled or interrupted before it has completed, the Electronic Control Module (ECM) will not operate in the normal way. This is because the operating system has been erased from ECM memory and has not yet been fully replaced. Under these circumstances, it will not be possible to use Automatic Model Detection when restarting the calibration download.

Turn the motorcycle ignition off for at least 60 seconds to allow the electronic systems to power down, then restart the calibration download using Manual Model Selection.

If a calibration download fails to restart, it may be necessary to follow a specific recovery process.

Note:

- **The current password for all downloads can be found at www.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 Chassis ECM, Immobiliser, TPMS, Engine ECM and ABS DTCs. This must be completed after all downloads are complete.**

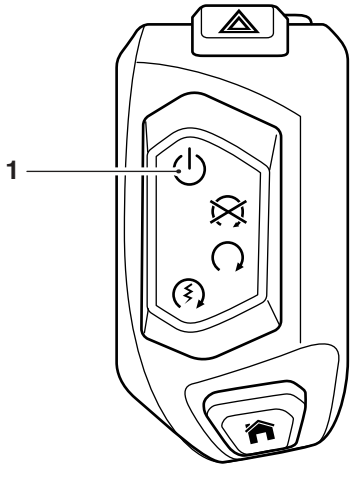
Keyless ECM Calibration Download

1. On the diagnostic tool, navigate to DOWNLOAD - KEYLESS ECM DOWNLOAD.
2. Enter the password and click Next.
3. Click Automatic Model Selection. On the Motorcycle Connection Instructions screen, click Connect.
4. Check that the motorcycle is correctly detected then click Next.
5. Select the available calibration and click Next.
6. In the download confirmation screen, check the selected calibration is correct for the motorcycle and click Confirm.

Note:

- **Upon clicking confirm to start the download, the diagnostic tool will prompt you the turn the ignition OFF.**

7. Press the Power ON/OFF button to turn the ignition OFF. Click Next, the download will begin.



1. Power ON/OFF button

Note:

- **The calibration download has two stages. When the first download stage has completed, the diagnostic tool will prompt you to present a paired key to the LF antenna and press the Power ON/OFF button to start the second download stage.**
- **For this process, the smart key should be used to start the second stage of the download.**

8. When prompted by the diagnostic tool, ensure the smart key is still in range of the LF antenna and press the Power ON/OFF button.

Note:

- **Multiple files are transferred during the download. The progress bar displayed on the diagnostic tool may repeatedly rise from 0% to 100% as each file is downloaded.**
- **Always wait for the Verifying Download screen to appear to confirm the download has successfully completed.**

9. Click Finish when the download has completed.

Instruments Calibration Download

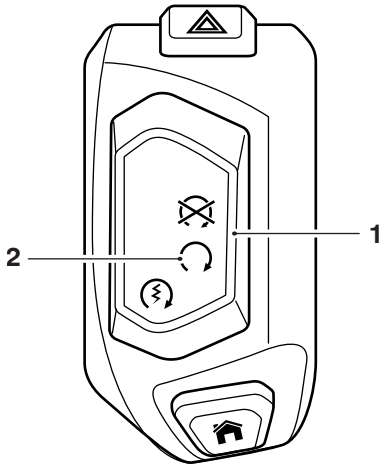
Note:

- **The instrument calibration has a large file size and may include updates to the instrument graphics. It can take up to 40 minutes for the TFT instrument downloads to complete.**
- **During the instrument download, the diagnostic tool will check if the instruments have a valid VIN stored.**
- **If the instruments do not have a valid VIN stored, the diagnostic software will automatically read the VIN from the Engine ECM and program it into the Instruments. The engine stop switch must be in the RUN position to allow the diagnostic tool to communicate with the Engine ECM.**
- **There may be a short delay at the start of the download while this function is carried out. During this delay the download progress bar will remain at 0%. The download progress bar will begin to advance when the VIN check function is complete.**
- **If a valid VIN cannot be obtained from the Engine ECM, you will be prompted to manually enter the motorcycle's 17 digit VIN. The manually entered VIN will then be programmed to the instruments before the download process is completed.**
- **During the download, the instrument display will turn off and the red immobiliser/alarm LED will flash.**
- **Multiple files are transferred during the download. The progress bar displayed on the diagnostic tool may repeatedly rise from 0% to 100% as each file is downloaded.**
- **Do not assume the download has completed when the instrument display turns back on. Always wait for the Verifying Download screen to appear to confirm the download has successfully completed.**

Note:

- **If the download is accidentally disrupted or does not complete for any reason, turn the ignition off for at least 60 seconds then restart the download using Manual Model Selection. If the download fails to restart normally, refer to the 'Instrument Calibration - Failed Download Recovery Flow Chart' provided in the Service Manual.**

1. Make sure the engine stop switch is in the RUN (ON) position.



1. **Engine stop switch**
2. **RUN (ON) position**

2. Download the latest instrument calibration as normal, using automatic model detection.

⚠ Caution

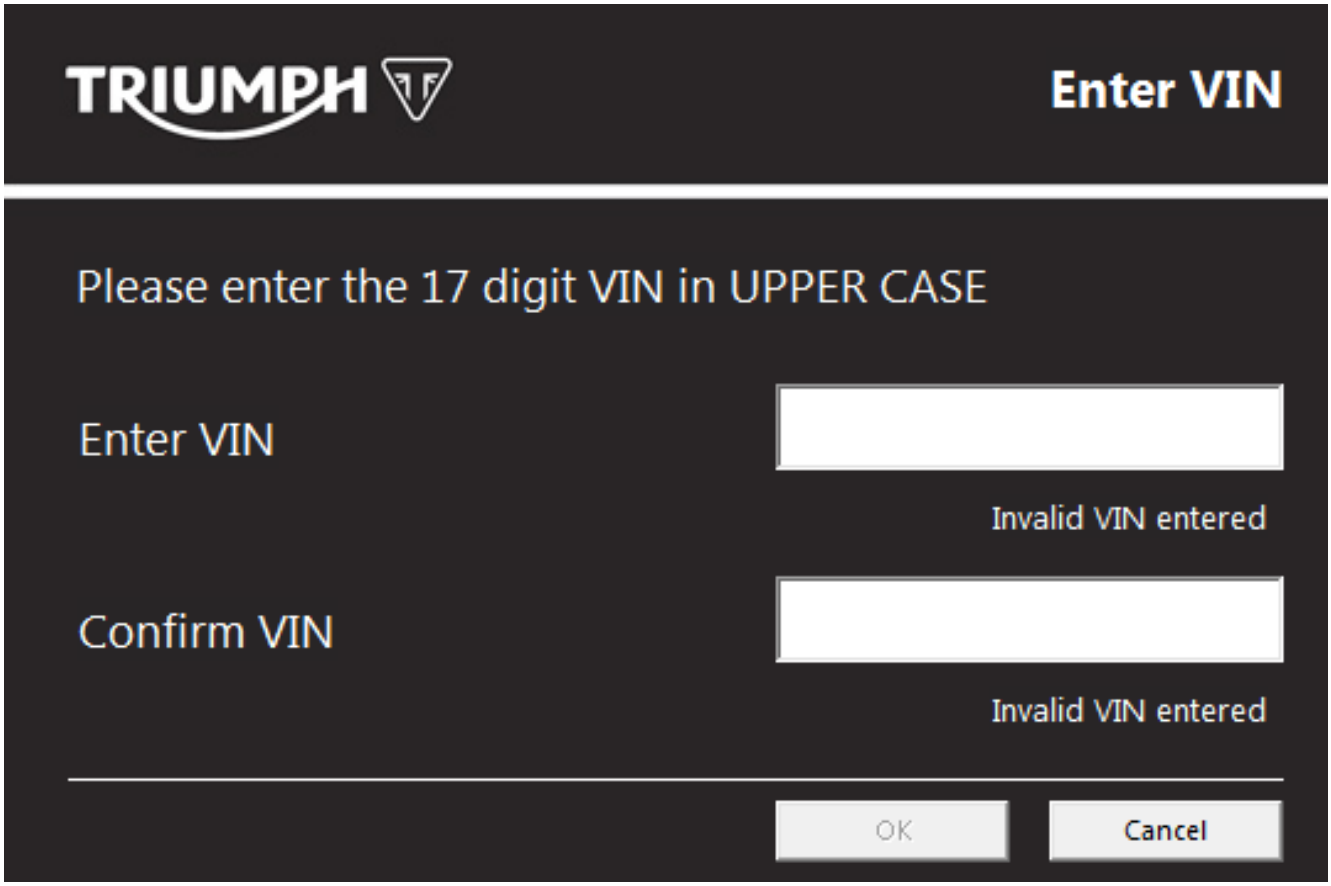
The motorcycle VIN can only be programmed to the instruments once.

Once programmed, the VIN cannot be overwritten or corrected by the Triumph diagnostic tool.

If prompted to manually enter the VIN, always make sure that the VIN entered is correct and exactly matches the VIN stamped on the motorcycle's frame before clicking OK.

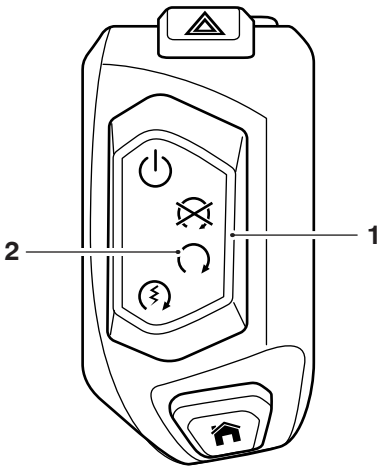
It will not be possible to activate certain features of the connectivity module if the instruments are programmed with an incorrect/invalid VIN.

3. If prompted, enter the motorcycle's 17 digit VIN. Alphabetical characters must be entered in upper case. Re-enter the VIN to confirm it is correct before clicking OK.



Engine ECM Download

1. Switch the engine stop switch to the RUN (ON) position.



1. **Engine stop switch**
2. **RUN (ON) position**

2. Download the latest calibration as normal, using automatic model detection.

Unlock the Engine ECM

1. Unlock the engine ECM as described in the Triumph Diagnostic Tool User Guide.

Note:

- **There is a small delay while the instruments and keyless ECM are checked for up to date calibrations.**
- **The software will report if any calibrations are out of date and will prevent unlocking until the correct calibrations are installed.**
- **The unlock code can be found at www.triumphonline.net.**

Final Steps

- Check and erase all stored immobiliser, Engine ECM and ABS DTCs.
- Disconnect the Triumph Diagnostic Tool.
- Refit the rider's seat and passenger seat.
- Check that the motorcycle can be powered ON and started using each key.
- Set the instruments to display the correct language and units for your region, as described in the Owners Handbook.

Item:	**209.5**
Description:	**Electronic Systems Commissioning and Motorcycle Unlocking**
Model Affected:	**Tiger 900, Tiger 900 GT, Tiger 900 GT-LRH, Tiger 900 GT Pro, Tiger 900 Rally, Tiger 900 Rally Pro**

This revised item replaces Technical Bulletin 206 item 1 (TB 206.1) dated February 2020. Changes to this revised item are as follows:

- **Section added to cover enabling of the instrument connectivity menus for Tiger 900 GT Pro and Tiger 900 Rally Pro models.**

⚠ Warning

Make sure the motorcycle is stabilised and adequately supported.

A correctly supported motorcycle will help prevent it from falling.

An unstable motorcycle may fall, causing injury to the operator or damage to the motorcycle.

⚠ Warning

Failure to download the latest calibrations to the above model(s) may cause an unsafe riding condition leading to loss of motorcycle control and an accident.

⚠ Warning

Always use Automatic Model Selection when downloading calibrations.

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

⚠ Caution

Do not interrupt or cancel calibration downloads before they have completed.

If a calibration download is cancelled or interrupted before it has completed, the Electronic Control Module (ECM) will not operate in the normal way. This is because the operating system has been erased from ECM memory and has not yet been fully replaced. Under these circumstances, it will not be possible to use Automatic Model Detection when restarting the calibration download.

Turn the motorcycle ignition off for at least 60 seconds to allow the electronic systems to power down, then restart the calibration download using Manual Model Selection.

If a calibration download fails to restart, it may be necessary to follow a specific recovery process.

Note:

- **The current password for all downloads can be found at www.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 all ECMs for stored DTCs and erase them as necessary. This must be completed after all downloads are finished.**

Description

The Engine ECM, Chassis ECM and Instruments are delivered in a locked condition on the above motorcycle(s). In this condition, the engine will not start. When performing a Pre-Delivery Inspection on the above models, the motorcycle's electronic systems must be commissioned and the motorcycle unlocked before the engine can be started.

Dealers are requested to commission the electronic systems and unlock the motorcycle by performing the following operations:

1. Download the latest Chassis ECM calibration.
2. Download the latest Suspension ECM calibration (Tiger 900 GT Pro models only).
3. Download the latest TFT Instrument calibration.
4. Download the latest Connectivity Module calibration (Tiger 900 GT Pro and Tiger 900 Rally Pro models only).
5. Enable the Instrument Connectivity Menus (Tiger 900 GT Pro and Tiger 900 Rally Pro models only).
6. Download the latest Engine ECM calibration.
7. Unlock the Engine ECM.
8. Adapt the crankshaft position (if required).

Preparation

Download and install the latest version of the Triumph Diagnostic Tool to your computer as described in the Triumph Diagnostic Tool Installation Guide.

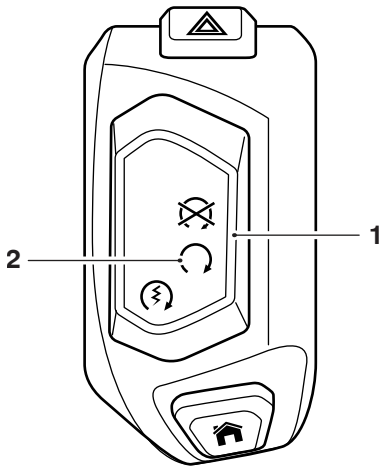
Note:

- **It can take up to 60 minutes to complete the system downloads necessary to commission the above motorcycle.**
- **Please take the following precautions to avoid accidental disruption of the calibration downloads performed during this process.**

1. If using a laptop computer to run the diagnostic software, make sure the laptop battery is fully charged. Connect a charger to avoid draining the laptop battery.
2. Disable any sleep and screen saver settings. The PC/laptop must remain turned on and awake for the duration of the process.
3. Make sure all other PC/laptop applications (including Internet browsers) are closed down.
4. Make sure the motorcycle battery is fully charged (battery voltage of at least 12.8 Volts). Connect an approved battery charger (suitable for use with maintenance free batteries) to maintain the battery charge during this process.
5. During calibration download, DO NOT do the following unless instructed to do so by the diagnostic tool:
   - Turn the ignition OFF.
   - Switch the engine stop switch to a different position.
   - Disconnect the diagnostic interface.

Initial Steps

1. Unpack the motorcycle as described in the Motorcycle Unpacking Guide.
2. Assemble the motorcycle as described in the Motorcycle Assembly Guide.
3. Ensure that the motorcycle battery is fully charged and installed as described in the Service Manual.
4. Connect the Triumph Diagnostic Tool to the motorcycle as described in the Service Manual and turn the ignition ON.
5. Make sure the engine stop switch is in the RUN position.



1. Engine stop switch
2. RUN (ON) position

Chassis ECM Calibration Download

Note:

- **It will take approximately five minutes for the Chassis ECM calibration download to complete.**
- **Multiple files are transferred during the download. The progress bar displayed on the diagnostic tool may repeatedly rise from 0% to 100% as each file is downloaded.**
- **Always wait for the Verifying Download screen to appear to confirm the download has successfully completed.**
- **If the download is accidentally disrupted or does not complete for any reason, turn the ignition OFF for at least 60 seconds then restart the download using Manual Model Selection.**

1. Download the latest Chassis ECM calibration using Automatic Model Detection.
2. Make sure that the correct model is detected and that the correct calibration for your region is selected for download.
3. Follow all onscreen instructions during the download.

Suspension ECM Calibration Download (Tiger 900 GT Pro models only)

Note:

- **It will take approximately five minutes for the Suspension ECM calibration download to complete.**
- **Multiple files are transferred during the download. The progress bar displayed on the diagnostic tool may repeatedly rise from 0% to 100% as each file is downloaded.**
- **Always wait for the Verifying Download screen to appear to confirm the download has successfully completed.**
- **If the download is accidentally disrupted or does not complete for any reason, turn the ignition OFF for at least 60 seconds then restart the download using Manual Model Selection.**

1. Download the latest Suspension ECM calibration using Automatic Model Detection.
2. Make sure that the correct model is detected and that the correct calibration for your region is selected for download.
3. Follow all onscreen instructions during the download.

Instruments Calibration Download

Note:

- **The instrument calibration has a large file size and may include updates to the instrument graphics. It can take up to 40 minutes for the calibration download to complete.**
- **During the instrument download, the diagnostic tool will check if the instruments have a valid VIN stored.**
- **If the instruments do not have a valid VIN stored, the diagnostic software will automatically read the VIN from the Engine ECM and program it into the Instruments. The engine stop switch must be in the RUN position to allow the diagnostic tool to communicate with the Engine ECM.**
- **There may be a short delay at the start of the download while this function is carried out. During this delay the download progress bar will remain at 0%. The download progress bar will begin to advance when the VIN check function is complete.**
- **If a valid VIN cannot be obtained from the Engine ECM, you will be prompted to manually enter the motorcycle's 17 digit VIN. The manually entered VIN will then be programmed to the instruments before the download process is completed.**
- **During the download, the instrument display will turn off and the red immobiliser/alarm LED will flash.**
- **Multiple files are transferred during the download. The progress bar displayed on the diagnostic tool may repeatedly rise from 0% to 100% as each file is downloaded.**
- **Do not assume the download has completed when the instrument display turns back on. Always wait for the Verifying Download screen to appear to confirm the download has successfully completed.**
- **If the download is accidentally disrupted or does not complete for any reason, restart the download using Manual Model Selection. If the download fails to restart normally, refer to the 'Instrument Calibration - Failed Download Recovery Flow Chart' provided in the Service Manual.**

1. Download the latest instrument calibration using Automatic Model Detection.
2. Make sure that the correct model is detected and that the correct calibration for your region is selected for download.
3. Follow all onscreen instructions during the download.

⚠ Caution

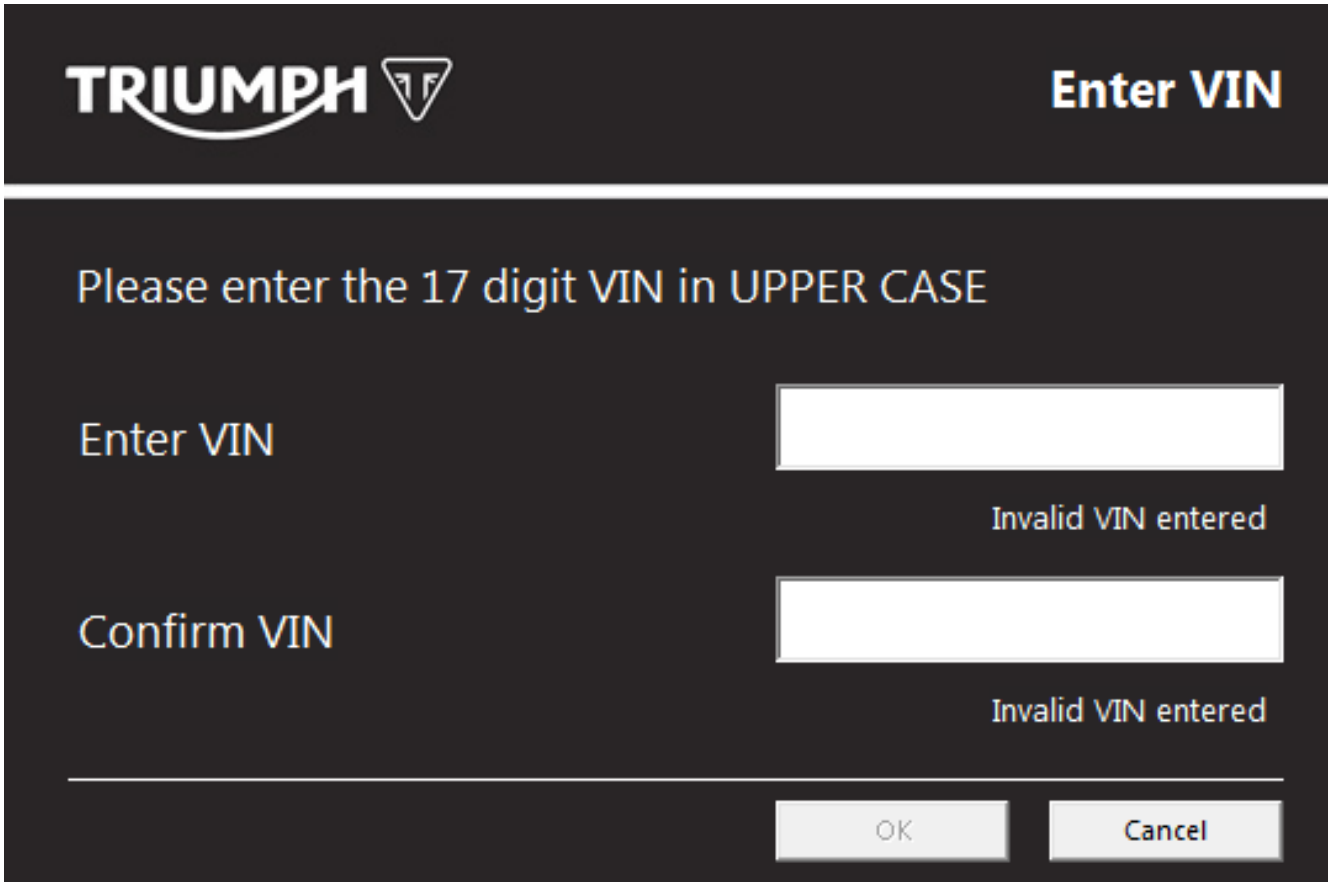
The motorcycle VIN can only be programmed to the instruments once.

Once programmed, the VIN cannot be overwritten or corrected by the Triumph diagnostic tool.

If prompted to manually enter the VIN, always make sure that the VIN entered is correct and exactly matches the VIN stamped on the motorcycle's frame before clicking OK.

It will not be possible to activate certain features of the connectivity module if the instruments are programmed with an incorrect/invalid VIN.

4. If prompted, enter the motorcycle's 17 digit VIN. Alphabetical characters must be entered in upper case. Re-enter the VIN to confirm it is correct before clicking OK.



Connectivity Module Download (Tiger 900 GT Pro and Tiger 900 Rally Pro models only)

Note:

- **The Connectivity Module is fitted as standard on Tiger 900 GT Pro and Tiger 900 Rally Pro models. The Connectivity Module is available as an accessory for other models in the Tiger 900 range. The accessory fitting instructions should be followed if installing an accessory Connectivity Module.**
- **There is only one Connectivity Module calibration available for download.**
- **It will take approximately 3 minutes for the calibration download to complete.**
- **Always wait for the Verifying Download screen to appear to confirm the download has successfully completed.**
- **If the download is accidentally disrupted or does not complete for any reason, turn the ignition OFF for at least 60 seconds then restart the download.**

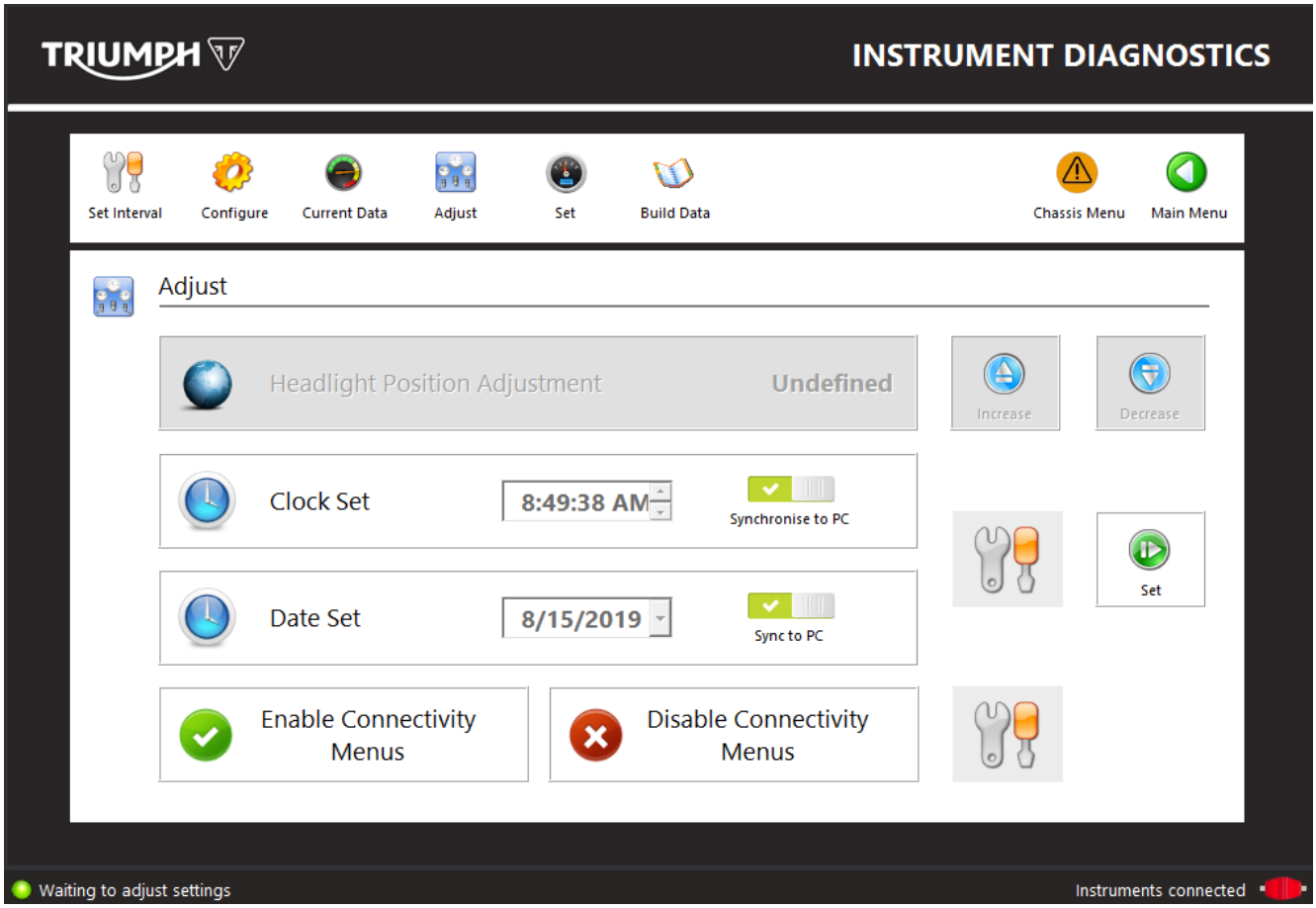
1. Download the latest Connectivity Module calibration.
2. Follow all onscreen instructions during the download.

Enable the Instrument Connectivity Menus (Tiger 900 GT Pro and Tiger 900 Rally Pro models only)

Note:

- **The Connectivity Module is fitted as standard on Tiger 900 GT Pro and Tiger 900 Rally Pro models. The Connectivity Module is available as an accessory for other models in the Tiger 900 range. The accessory fitting instructions should be followed if installing an accessory Connectivity Module.**

1. Navigate to CHASSIS DIAGNOSTICS - INSTRUMENT DIAGNOSTICS - Adjust.
2. Click Enable Connectivity Menus.



Engine ECM Calibration Download

Note:

- **The Engine ECM calibration has a large file size. It will take approximately seven minutes for the calibration download to complete.**

1. Download the latest Engine ECM calibration using Automatic Model Detection.
2. Make sure that the correct model is detected and that the correct calibration for your region is selected for download.
3. Follow all onscreen instructions during the download.

Note:

- **If the download is accidentally disrupted or does not complete for any reason, turn the ignition OFF for at least 60 seconds then restart the download using Manual Model Selection.**

Unlock the Engine ECM

1. Unlock the Engine ECM as described in the Triumph Diagnostic Tool User Guide.

Note:

- **There is a small delay while the motorcycle's ECMs are checked for up-to-date calibrations.**
- **The software will report if any ECMs are out of date and will prevent unlocking until the correct calibrations are installed.**
- **The unlock code can be found at www.triumphonline.net.**

Adapt the Crankshaft Position (if required) - Euro 5 Markets Only

Motorcycles are typically delivered from the factory with the crankshaft position adapted. However, a small number of models may need to have the crankshaft position adapted at PDI.

Check the Engine ECM for stored DTCs. If the crankshaft position is not adapted, DTC P0315 will be stored and the Malfunction Indicator Light (MIL) will be illuminated. DTC P0315 cannot be erased by using the Erase DTCs function. To clear the DTC the crankshaft position must be adapted as described in the adaption process below.

If DTC P0315 is not present at PDI, it is not necessary to adapt the crankshaft position.

Crankshaft Position Adaption Process

⚠ Warning

Exhaust fumes are poisonous, always operate a motorcycle in the open-air or in an area with adequate ventilation.

Do not operate a motorcycle in an enclosed area without adequate ventilation.

Operating a motorcycle in an enclosed area without adequate ventilation can cause loss of consciousness and death within a short period of time.

1. Turn the motorcycle ignition OFF for at least 60 seconds.
2. Turn the motorcycle ignition ON. Make sure the engine Stop switch is in the RUN position.
3. Make sure the transmission is in neutral.
4. Navigate to ENGINE DIAGNOSTICS - Function Tests.
5. Select Crankshaft Position Adaption and click **Start**.
6. Follow the on screen instructions.
7. When the adaption has completed, click **Finish** and turn the motorcycle ignition OFF for at least 60 seconds.

Note:

- **DTC P0315 will not clear until the motorcycle's electronic system has fully powered down.**

8. Turn the motorcycle ignition ON. Make sure that DTC P0315 and the MIL have cleared.

Refer to the Service Manual for more details on the crankshaft position adaption process.

Final Steps

- Check and erase all stored Engine ECM, ABS, Chassis ECM, Suspension ECM and Immobiliser DTCs.
- Disconnect the Triumph Diagnostic Tool.
- Refit the rider's seat.
- Set the instruments to display the correct language and units for your region, as described in the Owner's Handbook.

Circulation

Initial and date when read and return to central file holder

Service Manager	Parts Manager	Sales Manager	Workshop Supervisor	Technician 1	Technician 2