



Technical Bulletin 187

02.2018

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187.1	Electronic Systems Commissioning and Motorcycle Unlocking	Speed Triple S from VIN 867685
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Item: 187.1
Description: Electronic Systems Commissioning and Motorcycle Unlocking
Model Affected: Speed Triple S from VIN 867685

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:

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

Initial Steps

Warning

Before starting work, ensure the motorcycle is stabilised and adequately supported. This will help prevent it from falling and causing injury to the operator or damage to the motorcycle.

Note:

- **It can take up to 15 minutes to complete the system pairings and downloads necessary to commission the motorcycle.**
 - **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.

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

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 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.

Instruments Calibration Download

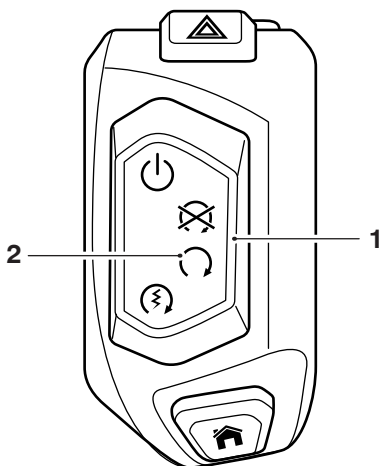
1. Disconnect the Triumph diagnostic tool.
2. Power the motorcycle OFF, wait 10 seconds, then power the motorcycle back ON.
3. Connect the Triumph diagnostic tool.
4. Navigate to DOWNLOAD - INSTRUMENT DOWNLOAD.
5. Enter the password and click Next.
6. Click Automatic Model Selection. On the Motorcycle Connection Instructions screen, click Connect.
7. Check that the motorcycle is correctly detected then click Next.
8. Select the available calibration and click Next.
9. In the download confirmation screen, check the selected calibration is correct for the motorcycle and click Confirm. The Download will begin.

Note:

- 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.
10. Click Finish when the download has completed.

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 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: 187.2

Description: Electronic Systems Commissioning and Motorcycle Unlocking

Model Affected: Speed Triple RS

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

Before starting work, ensure the motorcycle is stabilised and adequately supported. This will help prevent it from falling and causing injury to the operator or damage to the motorcycle.

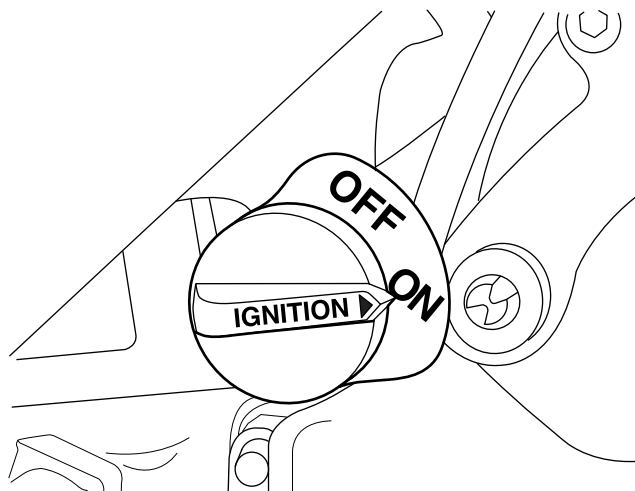
Note:

- **It can take up to 15 minutes to complete the system pairings and downloads necessary to commission the motorcycle.**
 - **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.**
 - **With the smart key in passive mode, the key must be positioned against the LF antenna to power the motorcycle ON.**
 - **Passive keys must be positioned against the LF antenna 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 passenger seat and rider's seat.
 7. Connect the Triumph Diagnostic tool.

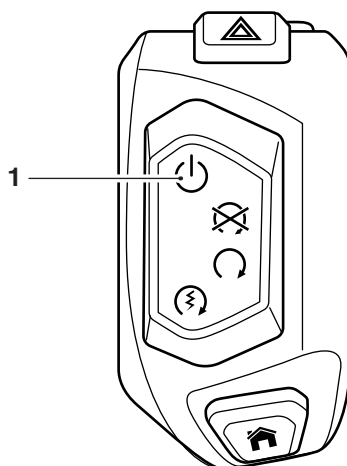
-
8. **US markets Only:** Turn the master ignition switch to the ON position.



Master Ignition Switch

Note:

- The smart key may be placed in the fuel tank filler cap lock to ensure it is kept in range throughout this procedure.
9. Position the smart key in range 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

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:

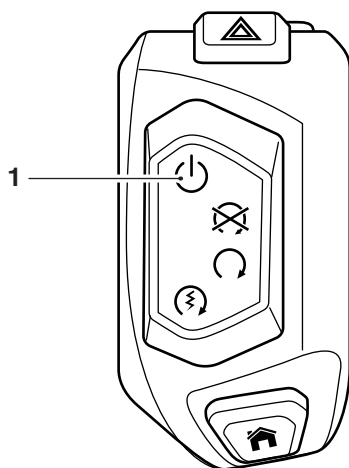
- The current password for all downloads can be found at www.triumphonline.net.
- It is normal for DTCs to be stored after a download has completed. This is due to the download process interrupting CAN communications between the ECMs.
- After a download has completed, you will be prompted to check and 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 to turn the ignition OFF.
7. Press the Power ON/OFF button to turn the ignition OFF. Click Next, the download will begin.



ckdp_2

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

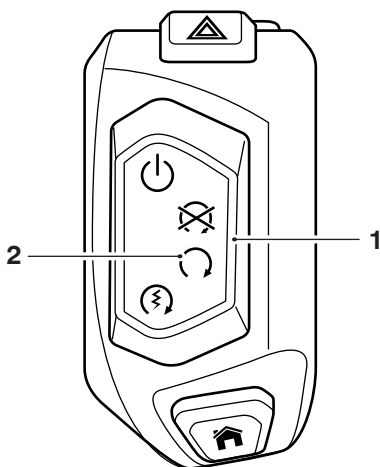
1. Disconnect the Triumph diagnostic tool.
2. Power the motorcycle OFF, wait 10 seconds, then power the motorcycle back ON.
3. Connect the Triumph diagnostic tool.
4. Navigate to DOWNLOAD - INSTRUMENT DOWNLOAD.
5. Enter the password and click Next.
6. Click Automatic Model Selection. On the Motorcycle Connection Instructions screen, click Connect.
7. Check that the motorcycle is correctly detected then click Next.
8. Select the available calibration and click Next.
9. In the download confirmation screen, check the selected calibration is correct for the motorcycle and click Confirm. The Download will begin.

Note:

- During the download, the instrument display will turn off and the red immobiliser/alarm LED will flash.
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 - 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.
10. Click Finish when the download has completed.

Engine ECM Download

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



ckdp_1

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.

Circulation

Initial and date when read and return to central file holder

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