

SHIMANO STEPS

E-Tube error checking



E-TUBE PROJECT (ERROR CHECK)



 Detailed "Error check" can be done by E-TUBE project

In order to finish the "Error check" follow the instruction given by E-TUBE project carefully

Stube Project E-BIKE		SHIMANO 📃 🗙
File Setting Help		
Menu		
Connection check	Battery	BT-E6000
Customize		Ξ
Error check		
Update firmware	Master unit	
Unit log acquisition		
Preset	Junction A 1 unit from this group	SC-E6010 🗌
Complete Setup		
	ST/SW.	-E6000
<u></u> ⊗ •€J		

ERROR CHECK (EXAMPLE / SW-E6000 FOR ASSIST)



Select the component that needs to be check and click the button "Start diagnosis"

3 tub	e Project E-BIKE			SHIMANO	_ X
File S	Setting Help				
Select u	ınit				
The fol the unit for.	lowing units have been recogniz t that you would like to carry out	zed. Select error check	Battery	BT-E6000	
being c unit or	connected, there may be a problem it is associated electric wire.	lem with that	Master unit	DU-E6001 🗖	
Select	Unit name	Version			
	BT-E6000				_
	DU-E6001	3.1.0	Junction A	SC-E6010	
	SC-E6010	3.0.5	1 unit from this group		
	MU-S705	2.4.4			-
	SW-E6000 for Assist	2.6.0			_
Back	SW-E6000 for Shift	2.6.0	ST/SW	SW-E6000	+
_ ⊘ - ¶	PJ				

ERROR CHECK (EXAMPLE / SW-E6000 FOR ASSIST)



Follow instructions on the screen

Eile S <u>e</u> tting <u>H</u> elp	<u>U</u> ser ID: SEGH0302
Error check Diagnosis for SW-E6000 for Shift will be carried out. Hold down Switch X until the message "Release the Switch X." appears. Countdown 10 seconds <u>Skip</u> Unit name Version Diagnosis status	
SW-E6000 for Shift 3.0.0 Diagnosis in progress shifting switch for assist Back Cancel Skip	SW-E6000

ERROR CHECK (EXAMPLE / SW-E6000 FOR ASSIST)



- When diagnosis is complete, final results will be shown
- If results are not normal, follow instructions given by E-TUBE project

Stube Project E-BIKE		SHIMANO 📃 🗙
File Setting Help		
Diagnosis complete		A
All diagnoses have been completed. There were no units which may have been faulty.	Battery	
Unit name Version Diagnosis results		E
SW-E6000 for Shift 2.6.0 Skip	Master unit	OU-E6001
	Junction A 1 unit from this group	SC-E6010
	ST/SW	-E6000 🔲 🚦 SW-E6000 🔳
Complete		4
⊘ ≁J		

ERROR CHECK (EXAMPLE / BT-E8010 FOR BATTERY)



Select the component that needs to be check and click the button "Start diagnosis"

		SHIMANO 📃 🗙
Eile Setting Help		User ID: SEGH0323
Select unit		
The following units have been recognized. Select the unit that you would like to carry out error check for. * If a unit is not displayed despite its electric wire being connected, there may be a problem with that unit or with its associated electric wire.	Battery	BT-E8010
Select all Select Unit name Version	Master unit	
U BT-E8010 DU-E8000 4.1.2		
SC-E8000 4.0.6 SW-E8000-L 3.0.4	Junction A 1 unit from this group	SC-E8000
Back Cancel Start diagnosis	Shifter/switch From this group	SW-B8000-L

ERROR CHECK (EXAMPLE / BT-E8010 FOR BATTERY)



 Follow instructions on the screen

			SHIMANO 📃 🗙
Eile S <u>e</u> tting <u>H</u> elp			User ID: SEGH0323
Error check			•
Visually check the BT-E8010 indication. Is the LED on?	Battery	BT-E	8010
	Master unit	D U-E	8000
No Yes Unit name Version Diagnosis status BT-E8010 Diagnosis in progress	Junction A 1 unit from this group	SC-E	8000
Back Cancel Skip	Shifter/switch From this group	SW-E8000-L	-

ERROR CHECK (EXAMPLE / BT-E8010 FOR BATTERY)



- When diagnosis is complete, final results will be shown
- If results are not normal, follow instructions given by E-TUBE project

		SHIMANO 📃 🗙
Eile S <u>e</u> tting <u>H</u> elp		User ID: SEGH0323
Diagnosis complete		
All diagnoses have been completed. There were no units which may have been faulty.	Battery	BT-E8010
Unit name Version Diagnosis results BT-E8010 Normal		E
	Master unit	🔊 DU-E8000 🗌
	Junction A 1 unit from this group	SC-EB000
	Shifter/switch	SW-E8000-L
Complete	May 6 units	

E-TUBE PROJECT (UNIT LOG ACQUISITION)



Stube Project E-BIKE		SHIMANO 📃 🗙
File Setting Help		
Menu		_
Connection check	Battery	-E6000
Customize		
Error check		
Update firmware	Master unit	-E6001
Unit log acquisition		
Preset	1 unit from this group	-E6010 🔲
Complete Setup		
	SW-E6000	SW-E6000
<u></u>		

E-TUBE PROJECT (UNIT LOG ACQUISITION)



1. Status of components is retrieved

Etube Project E-BIKE		SHIMANO 🥃 🖉
File Setting Help		
Unit log acquisition		<u>^</u>
Unit log acquisition has been completed.	Battery	BT-E6000 🗌
	Master unit	E DU-E6001 □
	Junction A 1 unit from this group	SC-E6010
	ST/SW	SW-E6000 SW-E6000
Complete	•	m



2. The E-bike Diagnosis Report will be downloaded in pdf file automatically

UNIT LOG ACQUISITION (HEADER OF DIAGNOSIS REPORT)



All pages of the E-bike Diagnosis Report will show the same header mentioning:

- Date
- Time
- Version of E-TUBE project

Example

E-Bike Diagnosis Report

24-07-14 11:37:49 (UTC+01:00)

E-tube Project Version 2.5.2

Battery

Component information

Unit information		
Unit name	BT-E6000/SM-BME60	
Firmware version	-	
Log information		
Cycle count	0Times	
state of charge	49%	
Battery remaining capacity	100%	

UNIT LOG ACQUISITION (BATTERY INFORMATION)



Unit information

- Unit name: Name of component
- Firmware version: Current Firmware on the Battery
- Log information
 - Cycle count: How many times Battery is charged
 - State of charge: Current state of charge of the Battery
 - Battery remaining capacity: When using the battery a longer time, the capacity will be lower

Unit information		
Unit name	BT-E6000/SM-BME60	
Firmware version	-	
Log information		
Cycle count	0Times	
state of charge	49%	
Battery remaining capacity	100%	



UNIT LOG ACQUISITION (DRIVE UNIT INFORMATION)



Unit information

- Unit name: Name of component
- Firmware version: Current Firmware on the Drive Unit
- Log information
 - Total distance: Total distance ridden with Drive Unit
 - Light connection: Battery power used for light Yes or No
 - Tyre circumference:
 Wheel diameter multiplied with PI
 - Number of front gear teeth:
 QTY teeth of Front Chainring
 - Number of rear gear teeth:
 QTY teeth of rear sprocket

Unit information		
Unit name	DU-E6000	
Firmware version	2.7.1	
Log information		
Total distance	0m	
Light connection	Yes	
Tyre circumference	2.000mm	
Number of front gear teeth	38T	
Number of rear gear teeth	16T	



UNIT LOG ACQUISITION (SWITCH UNIT INFORMATION)



Unit information

- Unit name: Name of component
- Firmware version: Current Firmware on the Switch

Log information

 Switch mode:
 Current mode setting of the Switch (Assist or Shift)

Unit information		
Unit name	SW-E6000 for Assist	
Firmware version	2.6.0	
Log information		
Switch mode	for Assist	
Unit information		
Unit name	SW-E6000 for Shift	
Firmware version	2.6.0	
Log information		
Switch mode	for Shift	



UNIT LOG ACQUISITION (INDICATOR INFORMATION)

Unit information

- Unit name: Name of component
- Firmware version:
 Current Firmware on the Drive Unit

Log information

- Display units: Current setting of speed display
- Backlight setting: Backlight is ON/OFF/MANUAL
- Beep setting: Beep is ON/OFF
- Display language:
 Which language is used inside the Computer

Unit information	
Unit name	SC-E6000
Firmware version	2.5.3
Log information	
Display units	International units
Backlight setting	ON
Beep setting	ON
Display language	English





E-TUBE PROJECT (CLOSING DOWN)



1. When finishing working with e-tube project, click the button "Complete Setup"

Stube Project E-BIKE		SHIMANO 🛛	_
File Setting Help			
Menu			1
Connection check	Battery		1
Customize]
Error check			1
Update firmware	Master unit	ODU-E6001	
Unit log acquisition			ľ
Preset	Junction A 1 unit from this group	SC-E6010 🗌	
Complete Setup			1
	st/sw	SW-E6000	
⊗			-

Help		
Connection check	Battery	
Customize		=
Error check		
Update firmware	Master unit	
Jnit log acquisition		
Preset	Junction A 1 unit from this group	
Change bike type		
++	ST/SW	

2. Close down completely