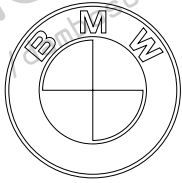




Description



Module.....Steering Lock(Electronic immobiliser EWS4)
 Manufacturer.....BECOM Electronics GmbH
 Ref OEM.....8403459-01
 8544826-01
 8544826-02
 9444316-01

Memory device.....9S12G128
 Memory type.....MCU Eeprom
 Memory size.....4096 bytes

Vehicles

BMW R1200RT 2014-2020
 BMW R1200GS 2014-2020
 BMW S1000RR 2013-2018



Immobilizer

- Electronic immobiliser EWS4
- The electronic design of the motorcycle allows it to access data stored in the ignition key by means of a ring antenna located in the ignition switch/steering lock.
 The engine control unit will not permit the engine to be started unless the key is identified as authorised .
- All vehicles equipped with EWS4 system have a standard supply consisting in 2 keys.
 The maximum number of keys that can be memorized is 10.



Software options



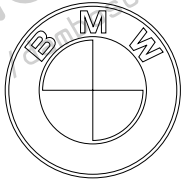
Immobilizer Keys programming



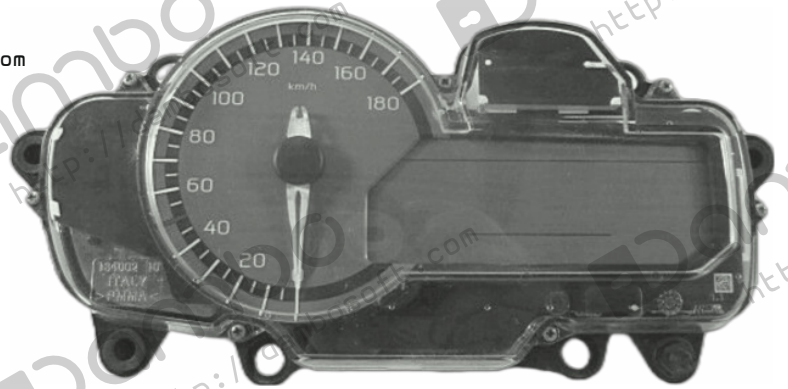
VIN code edit



Description



Module.....Dashboard
 Memory device.....25C160 Eeprom
 Memory size.....2048 bytes



Vehicles

BMW C600 Sport	[K18]	2011-2015
BMW C650GT	[K19]	2011-2025
BMW C650GT	[K19]	2014-2019
BMW C650 Sport	[K18]	2014-2019

Immobilizer

- Electronic immobiliser EWS4
- The electronic design of the motorcycle allows it to access data stored in the ignition key by means of a ring antenna located in the ignition switch/steering lock. The engine control unit will not permit the engine to be started unless the key is identified as authorised .
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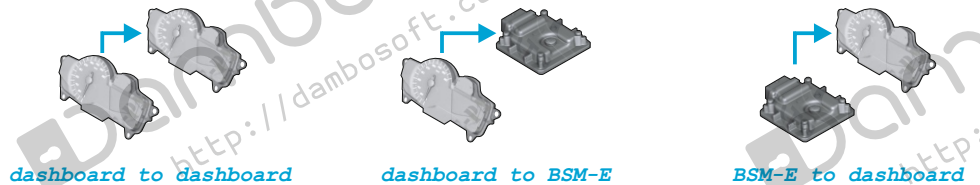


Software options

- Keys programming
- VIN code edit
- Odometer correction
- Data exchange*

***NOTE**

The total mileage, VIN, encrypted codes and other data are stored in the memory of the dashboard and BMS-E control unit (ECU). If any control unit is damaged and replaced, you can transfer (synchronize) data between units. Your bike will have the right mileage, VIN, synchronization codes and units will work again as original.

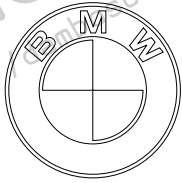


Spare units

* Dump Tools/Unit Dt0044 - BMW BMS-E ECU control unit



Description



Module.....BMS-E ECU control unit
 Memory device.....95320 Eeprom
 Memory size.....4096 bytes



Vehicles

BMW C600 Sport	[K18]	2011-2015
BMW C650GT	[K19]	2011-2025
BMW C650GT	[K19]	2014-2019
BMW C650 Sport	[K18]	2014-2019

Software options



VIN code edit



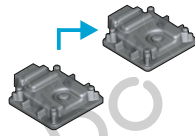
Odometer correction



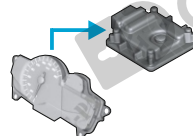
Data exchange*

***NOTE**

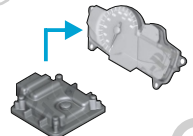
The total mileage, VIN, encrypted codes and other data are stored in the memory of the dashboard and BMS-E control unit (ECU). If any control unit is damaged and replaced, you can transfer(synchronize) data between units. Your bike will have the right mileage, VIN, synchronization codes and units will work again as original.



ECU to ECU



dashboard to BSM-E



ECU to dashboard

Spare units

* Dump Tools/Unit Dt0043 - Dashboard