

Models: 1299 Superleggera (all country versions) Service Bulletin SRV-ESB-17-007

Date:	Thursday, June 15th, 2017
To:	Dealer Principal, General Manager, Service Manager, North American Dealer Network
From:	Richard Kenton, Technical Director; Jonathan LaForte, Technical Manager

Dear Dealers,

The purpose of this bulletin is to provide procedures for:

- installation of Ducati Performance software if the Ducati Performance racing exhaust installed;
- installation of the OEM software if the OEM (Original Equipment Manufacturer) exhaust is installed.

These procedures are valid for the applicable model configuration.

As stated in its model introduction bulletin, SRV-SRB-17-012, the 1299 Superleggera is delivered with the titanium Ducati Performance racing exhaust and the associated MAP-KEY device.



WARNING

The installation of the racing exhaust and its software is authorized for off-road competition use only, thus nullifying its street-legal configuration/conformance. Please refer to local State and Federal laws regarding proper guidance and legality. In addition, please note that the installation of the Ducati Performance Akrapovic titanium competition exhaust system removes the motorcycle side-stand. The motorcycle will no longer conform to on-road use; owners will need to utilize the paddock stand for track use.

This racing exhaust provides improved performance and modified curve torque; combined with engine control unit (ECU) software updates, it becomes necessary to update the BBS control unit software as well. The BBS control unit therefore requires a dedicated calibration, as it manages the algorithms for traction control (DTC), wheelie control (DWC) and assisted launch control (DPL).

Ducati Performance Racing Exhaust Kit Installation

The following steps are required for installation of the Ducati Performance racing exhaust kit:

1) <u>Update the engine control unit (ECU) software using the instructions below:</u>

- a) Connect cable Part no.979000259 to the diagnostic socket.
- b) Connect DDS 2.0 diagnosis instrument to one end of cable Part no.979000259.



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- c) Select:
 - family: SUPERBIKE;
 - model: SBK 1299 Superleggera;
 - Special functions;
 - Ducati Performance;
 - Melco > [>-- / 17].

Du	Diagnosis System 20	← → # ☆ Menu [oliagnosis] Motorcycles] DUCATI] SUPERBIKE SBK 1299 Superleggera Motorcycle (fload) [1>-/13]	Rel.8.0.1.a	×
\$0 8	Manual identification	Special Functions		
ঠ ি ব	Identify Model	Activations		
d	Self-diagnosis	Code And Reset		
408	ECU Update	👮 Ducati Performance		
\$		8 Melco • [>/ 17]	0	
-ŗ	Service			
\$¥	Wiring Diagrams			
Ô	DMT			
	Guided diagnosis			
Ŷ	Customer management			

- d) Connect the supplied MAP-KEY to the other end of cable Part no.979000259.
- e) Select "Mappings", then software version "<u>J05209000D01</u>" and wait for the update operation to be successfully completed.





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Once the update has been completed, the following message will be displayed: "ATTENTION: Run a Global Scan! Upgrade the BBS software and then erase the ECU compatibility

error in memory."



NOTE

The error indicates that the BBS control unit software is not suitable for the engine control unit software version.

This error will shift to "stored" status, and it will then be possible to delete it only after the BBS control unit software update.



f) Select "Confirm", then disconnect the MAP-KEY and close the current diagnostic session.

2) <u>Update the BBS control unit software using the instructions below:</u>

- a) Perform the Global Scan through the DDS 2.0 diagnosis instrument.
- b) Update the BBS control unit software to version 57 and wait for the operation to be successfully completed.





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- c) Once the update is completed, the engine control unit (ECU) software compatibility error will shift from "current" to "stored" status.
- d) Inside Global Scan, double click to select the line relating to engine control unit (ECU) diagnosis information.
- e) Select "Errors" and delete them.

DUCATI \SUPERBIXE\SBR 1309 Superkogera\Motorcycle (Petrol kijetdon\Metro - [>-/17] * PARAMETERS FAULTS	Road)\\[>/17] ECU INFO	ACTIVATION	S SETTINGS
PARAMETERS FAULTS STATUS	ECU INFO	ACTIVATION	S SETTINGS
A Engine control unit compatibility error (MEM)			*
			*

3) Ducati Performance exhaust installation:

Follow the instructions provided with the installation kit of the titanium Akrapovic racing exhaust.

OEM Exhaust Kit Installation

The following steps are required for installation of the OEM exhaust kit:

1) <u>Update the engine control unit (ECU) software to the OEM version using the instructions</u> <u>below</u>:

- a) Connect cable Part no.979000259 to the diagnostic socket.
- b) Connect DDS 2.0 diagnosis instrument to one end of cable Part no.979000259.
- c) Select:
 - family: SUPERBIKE;
 - model: SBK 1299 Superleggera;
 - Special functions;
 - Ducati Performance;
 - Melco > [>-- / 17].

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Ducati Diagnosis System	← → # ☆ Menu (Diagnosis (Motorcycles (DUCATI (SUPERBIKE (SBK 1299 Superleggera (Motorcycle (Nobil))-[[>+/[]])	Rel.8.0.1.a	↓
Manual identification	Special Functions		1
Identify Model	Activations		
Self-diagnosis	Code And Reset		
😤 ECU Update	Ducati Performance		
Special Function	Malloo 2 (> / 17)	• E	
-Ö- Service			
₩ Wiring Diagrams			
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Guided diagnosis			
Customer management			

- d) Connect the supplied MAP-KEY to the other end of cable Part no.979000259.
- g) Select "Mappings", then the relevant software version and wait for the update operation to be successfully completed.



The table below lists the software versions relating to specific country versions, valid for OEM calibration.

Software Version	Country Version					
J05200020C01	USA					



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Once the update has been completed, the following message will be displayed:

"ATTENTION: Run a Global Scan! Upgrade the BBS software and then erase the ECU compatibility error in memory."



NOTE

The error indicates that the BBS control unit software is not suitable for the engine control unit software version.

This error will shift to "stored" status, and it will thus be possible to delete it only after the BBS control unit software update.



h) Select "Confirm", then disconnect the MAP-KEY and close the current diagnostic session.



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2) Update the OEM software of the BBS control unit using the instructions below:

- a) Perform a Global Scan through the DDS 2.0 diagnosis instrument.
- b) Update the BBS control unit software to the OEM version and wait for the operation to be successfully completed.



• Version 7 for all country versions (CAL and CDN versions excluded)

Scan	Α	System	В	С	D	E	VIN	Odo	н
¢ otan	۲	Injection control unit MELCO [/17>]	м	N	00020C01	NO			
Self-diagnosis	۰	BBS control unit EGICON [/17>]			7	YES		1 [km]	
01	•	Instrumentation control unit Unideck [·/17>] L	L	3	NO		1 [km]	
ECU update	•	E-Lock control unit ZADI [/17>]	В	В	1	NO	<u> </u>		
	•	ABS control un							IMU sensor test to be car
▲ FAULTS ※ MAINTENANCE ▲ VIN CHECK	-	i metorcyci proceed v	vare upo le contro vith the l	up	date press	or ma v ava OK.	ore iilable. To		,
	ABCDUFGH	System present/abl Software compatib Software compatib Software very software availability BBC configuration BBC configuration BBC configuration Software very software BBC configuration ABS ECU mode Date of last Annual Service							
√ Confirm	Se	lect a system and click on Diagno	sis for (diı	ect access	s to	the selected syste	em	

• Version 37 for CAL and CDN country versions.

DUCATI	Global Scan										
DGS	DUCATI\SUPERBIKE\SBK 1299 Superleggera\Motorcycle	(Road)	\[>/17]\Globa	error	search					
D. Scan	A System	В	С	D	E	VIN	Odo	н			
V Stall	Injection control unit MELCO [/17>]	м	N	00020C01	NO						
Self-diagnosis	BBS control unit EGICON [/17>]			37	YES		1 [km]				
-	Instrumentation control unit Unideck [/1	.7>] L	L	3	NO		1 [km]				
ECU update	E-Lock control unit ZADI [/17>]	В	в	1	NO	******					
A DODAT	ABS control un							IMU sensor test to be carr			
	Now softwa	ro und	lat.	e for one c		ara					
A FAULTS	motorcycle of	contro	l ui	nit are now	ava	ilable. To					
	proceed with the update press OK.										
· MAINTENANCE											
and with children	LEGEND:										
	A = System present/ab B = Software compatib										
	C = Software compatibi										
	E = ECU software update availability E = BBS configuration										
	G = ABS configuration										
	I = Date of last Annual Service										
				•							
1.0	Select a system and click on Diagnosi	5 TOP 0	un (ect access	10	the selected system	9111				
√ Comm											
× CANCEL											

c) Once the update is completed, the engine control unit (ECU) software compatibility error will shift from "current" to "stored" status.

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- d) Inside Global Scan, double click to select the line relating to engine control unit (ECU) diagnosis information.
- e) Select "Errors" and delete them.



3) OEM exhaust installation:

Follow the instructions provided with the installation kit of the OEM exhaust.

Regards,

Service Department Ducati North America