



Gear Learning Procedure Update
Models: 899 Panigale; 1199 Panigale; Diavel; Multistrada 1200; Hypermotard 939
Hypermotard 939 SP; Hyperstrada 939; Monster 1200 R (all versions/Model Year)
Tips & Tricks Bulletin SRV-TTB-16-003

Date: June 15, 2016
To: Dealer Principal, General Manager, Service Manager, North American Dealer Network
From: Richard Kenton, Technical Director; Jonathan LaForte, Technical Manager

Dear Dealers,

In an effort to provide a comprehensive 'one-stop' resource for technicians, Ducati has released the gear learning procedure update for all of the above-mentioned motorbikes.

Gear learning procedure

The procedure must be carried out starting from a cold engine condition (ambient temperature). Start the engine and warm it up for 10 minutes. It is important that water temperature, as displayed on instrument panel, stays above 80°C throughout the whole procedure. Moreover, we've found the best success when measuring the engine case temperature, adjacent to the gear position sensor, to achieve over 80°C. If the motorcycle is started from a low ambient temperature, say below 12°C, the cases may not become as warm in 10 minutes of running time, though the coolant temperature is optimal.

Strictly follow the points listed below:

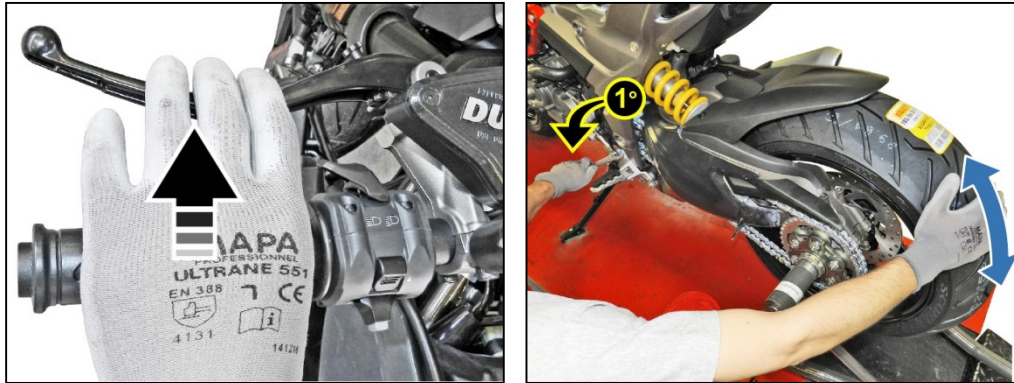
- 1) Position the bike on the rear paddock stand or on the central stand for those bikes provided with it. Ensure that the clutch micro-switch is fitted correctly since it is essential to complete the gear learning procedure successfully.
- 2) Start the engine and let it warm up for 10 minutes. Stop the engine leaving the Key in the 'On' position.
- 3) With the gear in neutral, pull the clutch lever completely and wait for the letter 'C' to flash on the instrument panel.



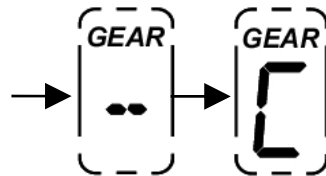


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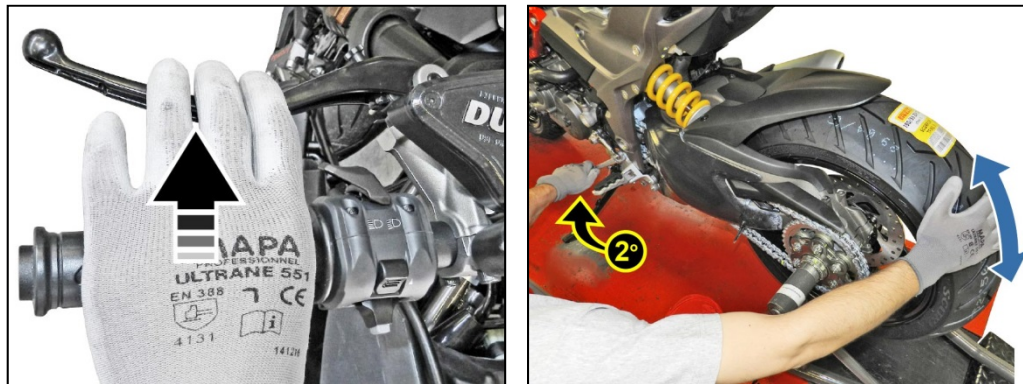
4) Release the clutch lever completely and manually set in motion rear wheel engaging the 1st gear.



5) Pull the clutch lever until it stops and wait for the flashing letter "C" to be displayed on the instrument panel "GEAR" box (the system has acquired the data).



6) Fully let go of clutch lever and manually set in motion rear wheel engaging the 2nd gear.



7) Pull the clutch lever until it stops and wait for the flashing letter "C" to be displayed on the instrument panel "GEAR" box (the system has acquired the data).

8) Repeat the same operations described above by points (4) and (5) for the 3rd / 4th / 5th / 6th gear.

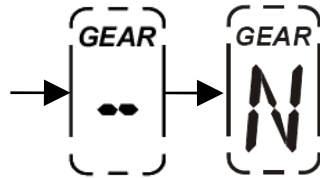


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- 9) Quickly downshift to neutral while manually rotating the rear wheel and pulling the gearchange lever.



- 10) Once in neutral, pull the clutch lever until it stops and wait for the flashing letter "N" to be displayed on the instrument panel "GEAR" box for about 1 second (the "neutral" gear has been acquired and correctly verified).



- 11) Release the clutch lever completely and manually set in motion rear wheel engaging the 1st gear.
- 12) Pull the clutch lever until it stops and wait for the flashing number "1" to be displayed on the instrument panel "GEAR" box for about 1 second (the "first" gear has been acquired and correctly verified).
- 13) Fully let go of clutch lever and manually set in motion rear wheel engaging the 2nd gear.
- 14) Pull the clutch lever until it stops and wait for the flashing number "2" to be displayed on the instrument panel GEAR box for about 1 second (the "second" gear has been acquired and correctly verified).
- 15) Repeat the same operations described above by points (11) and (12) for the 3rd / 4th / 5th / 6th gear.
- 16) Once procedure is completed, the correct acquisition of each gear must be checked, making sure that the instrument panel "GEAR" box is displaying the gear number corresponding to the same gear you have engaged.



NOTE

If KEY is turned to OFF during gear learning procedure, all the information related to the acquired gears will be deleted. The entire procedure must be carried out again upon the next KEY ON.

Thank you for your support.

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