

PANIGALE

Owner's manual

ENGLISH

PANIGALE V2

This manual forms an integral part of the motorcycle and must be kept with it for its whole service life. If the motorcycle is resold, the manual must always be handed over to the new owner.

The quality standards and safety of Ducati motorcycles are steadily improved as new design solutions, equipment and accessories are developed. While the information contained in this manual is current at the time of going to print, Ducati Motor Holding S.p.A. reserves the right to make changes at any time without notice and without any obligations. For this reason, the illustrations in this manual might differ from your motorcycle.

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Enjoy your ride!

Table of contents

Introduction 7
Safety guidelines 7
Warning symbols used in the manual 8
Intended use 9
Rider's obligations 10
Rider's training 11
Apparel 11
Safety "Best Practices" 12
Refuelling 14
Carrying the maximum load allowed 15
Information about carrying capacity 15
Dangerous products - warnings 16
Vehicle identification number 18
Engine identification number 19

Instrument panel (Dashboard) 20
Instrument panel 20
Acronyms and abbreviations used in the Manual 23
Technological Dictionary 23
Information statement on UE directive 2014/53/UE 26
Navigation and function buttons 29
Parameter setting and displaying 30
Main and auxiliary functions 33
Engine rpm indication 35
Motorcycle speed 36
Gear 37
Clock 38
Engine Coolant temperature 39
Riding Mode (RIDING MODE) 40
DWC indicator 43
ABS indicator 48
DTC indicator 53
DQS indicator 59
EBC indication 61
DDA indication 64
Function menu 65
TOT 66
TRIP 1 67
CONS. AVG 1 68
SPEED AVG 1 69

TRIP TIME 1 70
T AIR 71
TRIP FUEL 72
TRIP 2 73
CONS. 74
PLAYER (OFF / ON) 75
LAST CALLS 80
HEATING GRIPS 81
SETTING MENU 83
SETTING MENU - Riding Mode 85
SETTING MENU - Riding Mode - Engine 86
SETTING MENU - Riding Mode - DTC 87
SETTING MENU - Riding Mode - ABS 88
SETTING MENU - Riding Mode - DWC 89
SETTING MENU - Riding Mode - EBC 90
SETTING MENU - Riding Mode - DQS 91
SETTING MENU - Riding Mode - Default 92
SETTING MENU - Riding Mode - All Default 93
SETTING MENU - Pin Code 94
SETTING MENU - Lap 99
SETTING MENU - Backlight 102
SETTING MENU - Date and Clock 103
SETTING MENU - Units 106
SETTING MENU - Service 110
SETTING MENU - Tire Calibration 111
SETTING MENU - DRL 114
SETTING MENU - Bluetooth 115
SETTING MENU - DDA 120
SETTING MENU - Turn indicators 122
SETTING MENU - Info 123
LAP Time 124
Infotainment 128
Light control 133
DRL light mode indication 138
Side stand status indication 139
Service indication (SERVICE) 140
Error indication 143
Warnings and alarms 144
Keys 149
Immobilizer system 150
Restoring motorcycle operation via the PIN CODE 151

Controls 152

Position of motorcycle controls 152
Ignition switch and steering lock 153
Left-hand switch 154
Clutch lever 155

Right-hand switch 156
Throttle twistgrip 157
Front brake lever 158
Rear brake pedal 159
Gear change pedal 160
Adjusting the position of the gearchange pedal and rear brake pedal 161

Main components and devices 163
Position on the vehicle 163
Tank filler plug 164
Removing and refitting the seats 165
Side stand 167
Bluetooth control unit 168
Steering damper 170
Front fork adjustment 171
Adjusting the rear shock absorber 173

Riding the motorcycle 175
Running-in recommendations 175
Pre-ride checks 177
Engine start 180
Moving off 182
Braking 182
Anti-Lock Braking System (ABS) 183
Stopping the motorcycle 184
Parking 185
Refuelling 186
Tool kit and accessories 189

Main use and maintenance operations 190
Removing the fairing 190
Checking coolant level and topping up, if necessary 191
Checking brake and clutch fluid level 192
Checking brake pads for wear 194
Charging the battery 195
Charging and maintenance of the battery during winter storage 199
Checking drive chain tension 201
Lubricating the drive chain 203
Replacing the high and low beam bulbs 208
Rear turn indicators 208
Aligning the headlight 209
Adjusting the rear-view mirrors 211
Tubeless tyres 212
Check engine oil level 214

Cleaning the motorcycle 216
Cleaning and replacing the spark plugs 218
Storing the motorcycle 219
Important notes 220

Scheduled maintenance chart 221
Scheduled maintenance chart: operations to be carried out by the dealer 221
Scheduled maintenance chart: operations to be carried out by the customer 226

Technical data 227
Weights 227
Dimensions 228
Fuel, lubricants and other fluids 229
Engine 231
Timing system 232
Performance data 233
Spark plugs 233
Fuel system 233
Brakes 233
Transmission 234
Frame 235
Wheels 235
Tyres 235
Suspension 235
Exhaust system 236
Available colours 236
Electric system 237

Routine maintenance record 242
Routine maintenance record 242

Introduction

Safety guidelines

We would like to welcome you among Ducati enthusiasts, and congratulate you on your excellent choice of motorcycle. We think you will ride your Ducati motorcycle for long journeys as well as short daily trips. Ducati Motor Holding S.p.A. wishes you smooth and enjoyable riding.
Your motorcycle is the result of Ducati Motor Holding S.p.A.'s on-going research and development efforts. It is important that you preserve its quality standard by strictly observing the maintenance plan and using genuine spare parts.
This manual provides instructions on minor maintenance operations. Major maintenance operations are described in the Workshop Manual available to Ducati Authorised Service Centres.
In your own interest, for your safety and in order to guarantee product reliability, you are strongly advised to refer to our authorised Dealers and Service Centres for any operations listed in the scheduled maintenance chart, see page 221.
Our highly skilled staff have access to special implements and appropriate equipment required to perform any servicing job at best, and use Ducati original spare parts only as the best guarantee for full interchangeability, smooth running and long life.
All Ducati motorcycles come with a Warranty Card. The warranty does not apply to motorcycles used in racing competitions. Tampering with or altering any components, even partially, will make the warranty null and void effective immediately. Improper or poor maintenance, using other than original spare parts or parts not expressly approved by Ducati may invalidate your warranty rights and lead to damage or loss of performance.
Your safety and that of other road users are very important. Ducati Motor Holding S.p.A. recommends that you ride responsibly.
Before using your motorcycle for the first time, read this entire manual carefully and closely follow the guidelines outlined in it. The manual provides full information on proper motorcycle operation and maintenance. In case of any doubts, please contact a Dealer or Authorised Service Centre.

Warning symbols used in the manual

Several kinds of warnings are used as an alert of the possible hazards for you or other persons such as:

- Safety labels on the motorcycle;
- Safety messages preceded by a warning symbol and either WARNING or IMPORTANT.



Attention

Failure to comply with these instructions may put you at risk, and could lead to severe injury or even death of the rider or other persons.



Important

Possibility of damaging the motorcycle and/or its components.



Note

Additional information about the current operation.

The terms RIGHT and LEFT are referred to the motorcycle viewed from the riding position.

Intended use

This motorcycle must be ridden on asphalt or on flat and even surfaces, only. This motorcycle may not be used for riding on dirt trails or for off-road riding.

Attention

Off-road riding may lead to loss of control and result in vehicle damage, personal injuries or even death.

Attention

This motorcycle may not be used to tow any trailers or with a side-car attached; this can lead to loss of control and result in an accident.

Attention

The total weight of the motorcycle in running order including rider, luggage and additional accessories should not exceed 400 kg (881.85 lb).

Important

Using the motorcycle under extreme conditions, such as very damp and muddy roads or dusty and dry environment, could cause above-average wear of components like the drive system, the brakes or the air filter. If the air filter is dirty, the engine could get damaged. Therefore, this might translate in required service or replacement of the wear parts earlier than specified in the scheduled maintenance chart.

Rider's obligations

All riders must hold a valid licence.



Attention

Riding without a licence is illegal and is prosecuted by law. Always make sure you have your licence with you when riding. Do not let inexperienced riders or persons without a valid licence use your motorcycle.

Do not ride under the influence of alcohol and/or drugs.



Attention

Riding under the influence of alcohol and/or drugs is illegal and is prosecuted by law.

Do not take prescription or other drugs before riding unless you have consulted your doctor about their side effects.



Attention

Some medications and drugs may cause drowsiness or other effects that slow down reaction time and the rider's ability to control the motorcycle, possibly leading to an accident.

Some states require vehicle insurance.



Attention

Check your state laws. Obtain insurance coverage and keep your insurance document secure with the other motorcycle documents.

To protect rider and passenger safety, some states mandate the use of a certified helmet.



Attention

Check your state laws. Riding without a helmet may be punishable by law.



Attention

Riders without helmets are more likely to suffer severe bodily injury or die if they are in an accident.



Attention

Check that your helmet complies with safety specifications, permits good vision, is the right size for your head, and carries a certification label indicating that it conforms to the standards in force in your state. Road traffic laws differ from state to state. Learn about traffic laws in your state before riding and always obey them.

Rider's training

Accidents are frequently due to inexperience. Riding, manoeuvres and braking must be performed in a different way than on the other vehicles.

Attention

Untrained riders or a wrong use of the vehicle may lead to loss of control, serious injuries or even death.

Apparel

Riding gear is very important for safety. Unlike cars, a motorcycle offers no impact protection in an accident.

Proper riding gear includes helmet, eye protection, gloves, boots, long sleeve jacket and long trousers.

- The helmet must meet the requirements listed at page 10; if your helmet does not have a visor, use suitable eye wear;
- Use five-finger gloves made from leather or abrasion-resistant material;
- Riding boots or shoes must have non-slip soles and offer ankle protection;
- Jacket, trousers or riding suit must be made from leather or abrasion-resistant material and have high-visibility colours and inserts.

Important

Never wear loose clothing, items or accessories that may become tangled in motorcycle parts.

Important

For your safety, always wear suitable protective gear, regardless of season and weather.

Safety "Best Practices"

These few simple operations are critical to people safety and to preserving the full performance of your motorcycle. Never forget to perform them before, while and after riding.

Important

Closely follow the indications provided at chapter "Riding the motorcycle" during the running-in period.
Failure to follow these instructions releases Ducati Motor Holding S.p.A. from any liability whatsoever for any engine damage or shorter engine life.

Attention

Before riding your motorcycle, become familiar with the controls you will need to use when riding.

Perform the checks recommended in this manual before each ride (see page 182).

Attention

Failure to carry out these checks before riding may lead to motorcycle damage and injury to rider.

Attention

Start the engine outdoors or in a well ventilated area. The engine should never be started or run indoors.
Exhaust gases are poisonous and may lead to loss of consciousness or even death within a short time.
Use proper body position while riding.

Important

Rider must hold the handlebar with both hands at ALL TIMES while riding.

Important

Rider should keep his feet on the footpegs when the motorcycle is in motion.

Important

Be very careful when tackling road junctions, or when riding in areas near exits from private grounds, car parks or on slip roads to access motorways.

Important

Be sure you are clearly visible and do not ride within the blind spot of vehicles ahead.

Important
ALWAYS signal your intention to turn or pull to the next lane in good time using the suitable turn indicators.

Important
Park your motorcycle where no one is likely to knock against it, and use the side stand. Never park on uneven or soft ground, or your motorcycle may fall over.

Important
Visually inspect the tyres at regular intervals for detecting cracks and cuts, especially on the side walls, bulges or large spots that are indicative of internal damage. Replace them if badly damaged. Remove any stones or other foreign bodies caught in the tread.

Attention
Engine, exhaust pipes and silencers stay hot long after the engine is switched off; pay particular attention not to touch the exhaust system with any body part and do not park the vehicle next to flammable material (wood, leaves etc.).

Attention
Always remove the key when you leave your motorcycle unattended and make sure it is not accessible to persons not authorised to use the motorcycle.

Refuelling

Fuel label

Fuel identification label

Refuel outdoors with engine off.
Do not smoke or use open flames while refuelling. Be careful not to spill fuel on engine or exhaust pipe. Never completely fill the tank when refuelling. Fuel should never be touching the rim of filler recess.

When refuelling, avoid breathing the fuel vapours and prevent fuel from reaching your eyes, skin or clothes.

Attention

The motorcycle is only compatible with fuel having a maximum content of ethanol of 10% (E10). Using fuel with ethanol content over 10% is forbidden. Using it could result in severe damage of the engine and motorcycle components. Using fuel with ethanol content over 10% will make the warranty null and void.

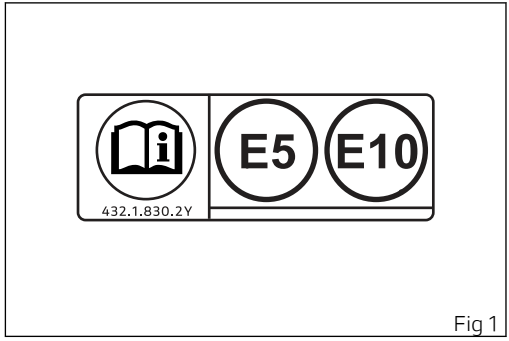


Fig 1

Attention

In case of indisposition caused by breathing fuel vapours for a long time, stay in the open air and contact your doctor. In case of contact with eyes, thoroughly flush with water; in case of contact with skin, immediately clean with water and soap.

Attention

Fuel is highly flammable, in case of accidental spillage of fuel on your clothes it is necessary to change into clean clothes.

Carrying the maximum load allowed

Your motorcycle is designed for long-distance riding, carrying the maximum load allowed in full safety. Even weight distribution is critical to preserving these safety features and avoiding trouble when performing sudden manoeuvres or riding on bumpy roads.

Attention

Do not exceed the total permitted weight for the motorcycle and pay attention to information provided below regarding load capacity.

Information about carrying capacity

Important

Arrange your luggage or heavy accessories in the lowest possible position and close to motorcycle centre.

Important

Never fix bulky or heavy objects to the handlebar or to the front mudguard as this would affect stability and cause danger.

Important

Be sure to secure the luggage to the supports provided on the motorcycle as firmly as possible. Improperly secured luggage may affect stability.

Important

Do not insert any objects you may need to carry into the gaps of the frame as these may foul moving parts.

Attention

Make sure the tyres are inflated to the proper pressure and that they are in good condition.

Refer to paragraph "Tyres".

Dangerous products - warnings

Used engine oil

Attention

Prolonged or repeated contact with used engine oil may cause skin cancer. If working with engine oil on a daily basis, we recommend washing your hands thoroughly with soap immediately afterwards. Keep away from children.

Brake dust

Never clean the brake assembly using compressed air or a dry brush.

Brake fluid

Attention

Spilling brake fluid onto plastic, rubber or painted parts of the motorcycle may cause damages. Protect these parts with a clean shop cloth before proceeding to service the system. Keep away from children.

Attention

The fluid used in the brake system is corrosive. In the event of accidental contact with eyes or skin, wash the affected area with abundant running water.

Coolant

Engine coolant contains ethylene glycol, which may ignite under particular conditions, producing invisible flames. Although the flames from burning ethylene glycol are not visible, they are still capable of causing severe burns.

Attention

Take care not to spill engine coolant on the exhaust system or engine parts.

These parts may be hot and ignite the coolant, which will subsequently burn with invisible flames. Coolant (ethylene glycol) is irritant and poisonous when ingested. Keep away from children. Never remove the radiator cap when the engine is hot. The coolant is under pressure and will cause severe burns.
The cooling fan operates automatically: keep hands well clear and make sure your clothing does not snag on the fan.

Battery



Attention

The battery gives off explosive gases; never cause sparks or allow naked flames and cigarettes near the battery. When charging the battery, ensure that the working area is properly ventilated.

Vehicle identification number

Note

These numbers identify the motorcycle model and should always be indicated when ordering spare parts.

It is recommended to record the frame number of your motorcycle in the space below.

Frame number

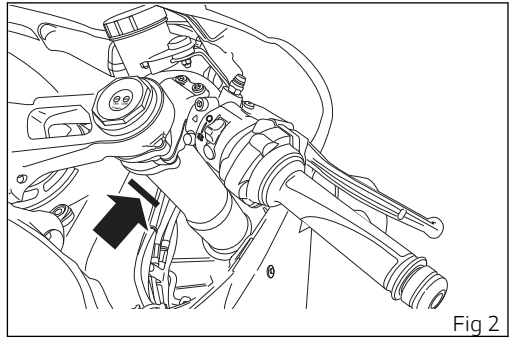


Fig 2

Engine identification number

Note

These numbers identify the motorcycle model and should always be indicated when ordering spare parts.

The engine identification number is located in the motorcycle front side on the horizontal head cylinder lower side, near the starter motor and the generator cover.

It is recommended to record the number of your motorcycle's engine in the space below.

Engine number

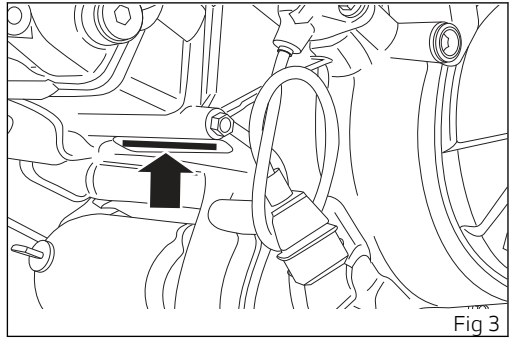


Fig 3

Instrument panel (Dashboard)

Instrument panel

1) DISPLAY

2) NEUTRAL LIGHT N (GREEN)

3) GENERIC ERROR WARNING LIGHT ⚠ (AMBER YELLOW)

4) HIGH BEAM LIGHT (BLUE)

5) FUEL WARNING LIGHT (AMBER YELLOW)

6) TURN INDICATOR LIGHTS (GREEN)

7) ENGINE OIL PRESSURE LIGHT (RED)

Important
If the ENGINE OIL light stays ON, stop the engine or it may suffer severe damage.

8) DTC/DWC STATUS LIGHT (AMBER YELLOW)
- Light off: DTC/DWC enabled and functioning;
- Light ON flashing: DTC/DWC enabled, but with degraded performance;
- Light steady ON: DTC/DWC disabled and/or not functioning due to a fault in the control unit.

9) ENGINE DIAGNOSIS - MIL LIGHT (AMBER YELLOW)
- The warning light turns steady on in case of error in engine management. Proceed slowly, avoid harsh acceleration and overtaking, take the vehicle to a Ducati authorised service centre to eliminate the malfunction.
- The warning light turns on flashing to warn about a critical emission-related error that could damage the catalytic converter. If possible, have the vehicle be taken to a Ducati authorised service centre and the malfunction eliminated and at any rate proceed slowly, avoid harsh acceleration and overtaking.

10) ABS LIGHT (ABS) (AMBER YELLOW)
- Light off: ABS enabled and functioning;
- Light ON flashing: ABS in self-diagnosis and/or functioning with degraded performance;
- Light steady ON: ABS disabled and/or not functioning due to a fault in the ABS control unit.

11) DTC/DWC INTERVENTION (AMBER YELLOW)
- Light OFF: no DTC intervention.
- Light steady ON: DTC intervention.

12) OVER REV SIDE LIGHTS (RED)
These warning lights turn on when the warning light 13 turns on and this indicates that the rev limiter kicked in.

13) OVER REV / IMMOBILIZER SYSTEM (RED)

Over rev:
- Light OFF: no limiter intervention;
- Light ON: limiter intervention.

Note
Each calibration of the Engine Control Unit may have a different setting for the thresholds that precede the rev limiter and the rev limiter itself.

Immobilizer:
- Light OFF: key-on status or key-off status for over 12 hours;
- Light ON flashing: key-off status;

14) DRL WARNING LIGHT (GREEN) (not present in China, Canada and Japan versions)

Important
If the display shows the message "TRANSPORT MODE", immediately contact your Ducati Dealer that will delete this message and ensure the full operation of the motorcycle.

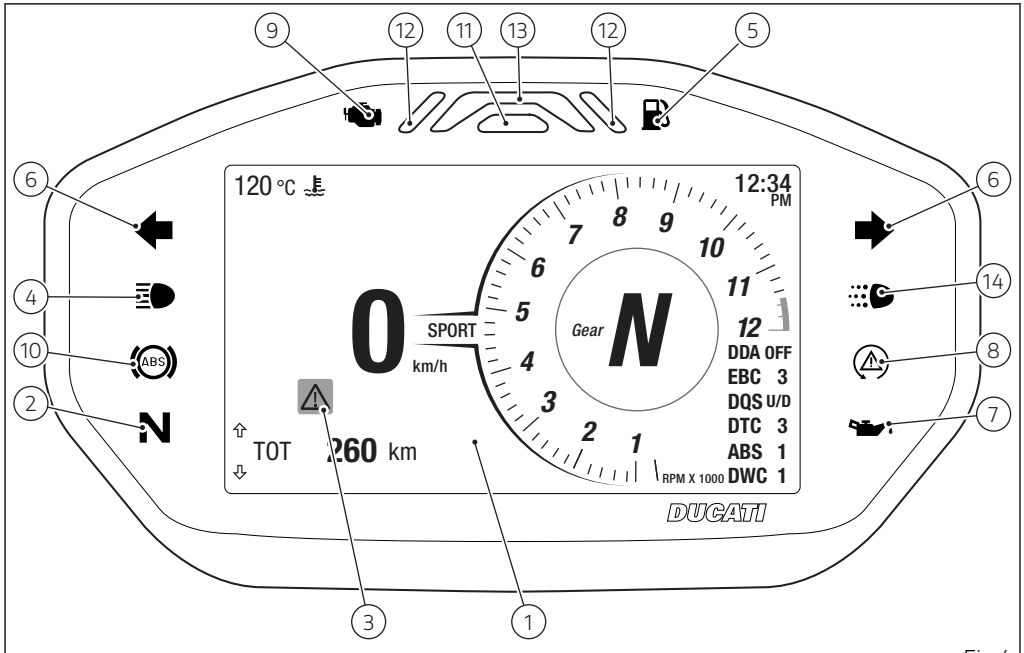

9
12
11
13
12
5
6
6
4
14
10
8
2
7
120 °c
12:34
PM
0
km/h
SPORT
Gear
N
1
2
3
4
5
6
7
8
9
10
11
12
DDA OFF
EBC 3
DQS U/D
DTC 3
ABS 1
DWC 1
RPM X 1000
TOT
260 km
ABS
DUCATI
3
1

Fig 4

Acronyms and abbreviations used in the Manual

ABS
Anti-lock Braking System
DDA
DUCATI Data Acquisition
DQS
DUCATI Quick Shift
DRL
Daytime Running Lamp
DTC
DUCATI Traction Control
DWC
DUCATI Wheelie Control
EBC
DUCATI Engine Brake Control
GPS
Global Positioning System

Technological Dictionary

Anti-lock Braking System (ABS)

The ABS system fitted to the Panigale V2 is a safety system preventing wheel lockup while braking, adopting different strategies depending on the selected level. The active presence of strategies and their intervention level depend on the selected level. The ABS features 3 levels, one associated to each Riding Mode.
The Panigale V2 ABS features a "cornering" function that optimises ABS functionality to the conditions where the motorcycle is leaning over, thus preventing wheel lockup and slipping as much as possible, within the physical limits allowed by the vehicle and by the road conditions. The cornering function is active on all the ABS levels.
According to the selected level, the ABS can implement the anti lift-up function for the rear wheel so as to guarantee not only a reduced stopping distance under braking, but also the highest possible stability.

Ducati Data Analyser+ (DDA+)

DDA+ is the latest generation of the Ducati Data Analyzer, with built-in GPS signal to create a "virtual finish line". The system automatically detects lap end and stops the lap timer, without the rider needing to do anything. Thanks to the built-in GPS signal, it also shows the trajectories on track map and the key motorcycle parameters: throttle opening, speed, rpm, gear engaged, engine temperature, DTC intervention.

Ducati Quick Shift (DQS)

The DQS with up/down feature allows the rider to upshift and downshift without using the clutch lever. It includes a two-way microswitch - built in the lever mechanism - that outputs a signal to the engine control unit whenever the gearshift is operated. The system works in a separate way for upshifting and downshifting, and combines the action on ignition advance and injection, available in the upshift system, with controlled throttle opening for operation during downshifting.

Ducati Traction Control (DTC)

The Ducati Traction Control system (DTC) supervises the rear wheel slipping control and settings vary through eight different levels that are calibrated to offer a different tolerance level to rear wheel slipping. Each Riding Mode features a pre-set intervention level. Level 8 indicates system intervention whenever a slight slipping is detected, while level 1 is for track use and very expert riders because it is less sensitive to slipping and intervention is hence softer.

Ducati Wheelie Control (DWC)

The Ducati Wheelie Control system (DWC) supervises control of wheelie movement and settings vary through eight different levels that are calibrated to offer a different prevention and reaction to wheelies. Each Riding Mode features a pre-set intervention level. Level eight indicates a setting that minimises motorcycle tendency to shift up in a wheelie and maximises reaction to the same, if it occurs. While level one is for expert riders and features a lower wheelie control in terms of prevention and less strong reaction to the same, if it occurs.

Engine Brake Control (EBC)

The engine brake control system (EBC) works together with the slipper clutch to avoid and control the rear wheel lock-up during aggressive downshifting.
EBC features a three-tiered operating system and is integrated in the three Riding Modes.

Power Mode

The Power Modes are the different engine maps the rider can select to change power level and delivery to suit his/her own riding style and surface conditions. For the Panigale V2 there are three Power Modes, one for each Riding Mode:

- LOW, with 'soft' power delivery;
- MEDIUM, with 'soft' power delivery;

- HIGH, with 'instant' power delivery.

Riding Mode

The rider of a Panigale V2 can choose from 3 different preset motorcycle configurations (Riding Modes) and pick the one that best suits his/her riding style or ground conditions. The Riding Modes allow user to instantly change the engine power delivery (Power Mode), ABS, DTC, DQS, EBC and DWC settings and instrument panel graphics.
The Riding Modes available for the Panigale V2 are: Race, Sport and Street. Within every Riding Mode, the rider can customise any settings.

Information statement on UE directive 2014/53/UE

Your vehicle is equipped with a range of radio equipment. The manufacturers of this radio equipment declare that this radio equipment complies with Directive 2014/53/EU where required by law.
The complete text of the EU declarations of conformity is available at the following web address: certifications.ducati.com

Manufacturers' addresses

All relevant components pursuant to 2014/53/EU must bear the manufacturer's address. For components that, due to their size or nature, cannot be furnished with a sticker, the respective manufacturers' addresses as required by law are listed here:

Radio equipment installed in the vehicle	Manufacturers' addresses
Bluetooth/ DSB	**COBO S.p.a.** Via Tito Speri, 10 25024 - Leno (BS) Italy
Hands free	**ZADI S.p.a.** Via Carl Marx, 138 41012 - Carpi (MO) Italy
Hands free	**ASHAI DENSO** 6-2-1 Somejidai, Hamakita-ku, Hamamatsu, Shizuoka 434-0046 Japan
D|air®	**Dainese S.p.a.** Via dell'Artigianato, 35 36060 - Molvena (VI) Italy
E-Lock	**ZADI S.p.a.** Via Carl Marx, 138 41012 - Carpi (MO) Italy
GPS	**PROSA S.r.l.** Via dell'Elettricità, 3/d 30175 - Venezia Marghera (VE) Italy
DSB	**MAE** Via Presolana 31/33 24030 Medolago – Bergamo - Italy

DSB	**EGICON** Via Posta Vecchia, 36, Mirandola (MO) - Italy
TPMS	**LDL Technology S.A.S.** Parc Technologique du Canal, 3 rue Giotto 31520 Ramonville - France
TPMS	**PACIFIC Industrial Co., Ltd.** 1300-1 Yokoi, Godo-cho, Anpachi-gun, Gifu 503-2397, JAPAN
Anti-theft system	**PATROLLINE** Via Cesare Cantù, 15/C Albavilla (CO) - Italy

	Frequency band	Max Transmission Power
Bluetooth	2,402 MHz ÷ 2,480 MHz	4.4 mW
Hands free unit	134.2 KHz (AD) 134.5 KHz (Zadi)	73dBμV/m (10m) <42 dBμA/m (10m)
Hands free key	868.35 MHz (Zadi) 434 MHz (AD)	25 mW -20 dBm (3m)
D|air®	868 MHz 2.4 GHz	+10 dB +3 dB
E-Lock	134.5 KHz	<42 dBμA/m (10m)
GPS	1575.4 MHz	
DSB	134.2 KHz 120 KHz – 140 KHz	178.5 dBμA/m <66 dBμA/m (10 m)
TPMS	868.35 MHz (LDL) 433.05 ÷ 434.79MHz (Pacific)	-7 dBm +/- 4 dB 100 dBμV/m

Anti-theft system	433.92MHz (±75KHz)	<0.6 mA

Navigation and function buttons

1) UP CONTROL SWITCH " ⇧ "

2) DOWN CONTROL SWITCH " ⇩ "

3) HIGH-BEAM FLASH/LAP BUTTON

4) ENTER/TURN INDICATORS ACTIVATION BUTTON ⚬ "

5) DRL BUTTON (accessory)

6) HAZARD BUTTON

7) LOW / HIGH BEAM BUTTON

UP (1), DOWN (2) and ENTER (4) buttons are used for navigating and for interacting with the functions and menus available in the instrument panel.
This document refers to UP (1) and DOWN (2) buttons as “navigation buttons”.

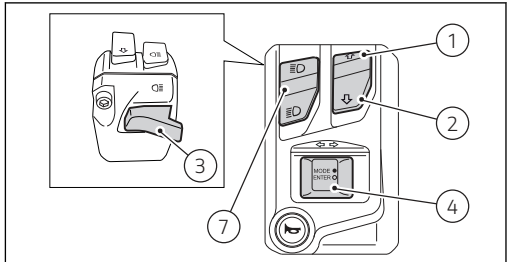


Fig 5

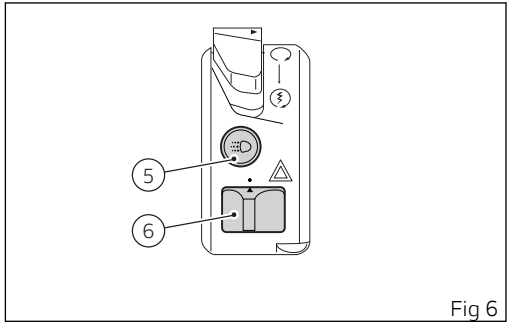


Fig 6

Parameter setting and displaying

Upon key-on, the instrument panel displays the DUCATI Logo and runs a sequential check of the LED warning lights. At the end of this routine the instrument panel displays the main screen in either of the modes (RACE, SPORT, STREET) according to the last configuration in use before KEY-OFF. During this first check stage, if the motorcycle speed exceeds 5 km/h (3 mph), the instrument panel will stop the check routine and display the main screen.

There are three different main pages, each associated with the corresponding riding mode: RACE, SPORT, STREET.
The differences between the pages are the name and colour of the riding mode specified at the centre of the display and the colour of the rpm box:

- red for the RACE riding mode (A)
- black in DAY mode or white in NIGHT mode for SPORT riding mode (B)
- grey for the STREET riding mode (C)

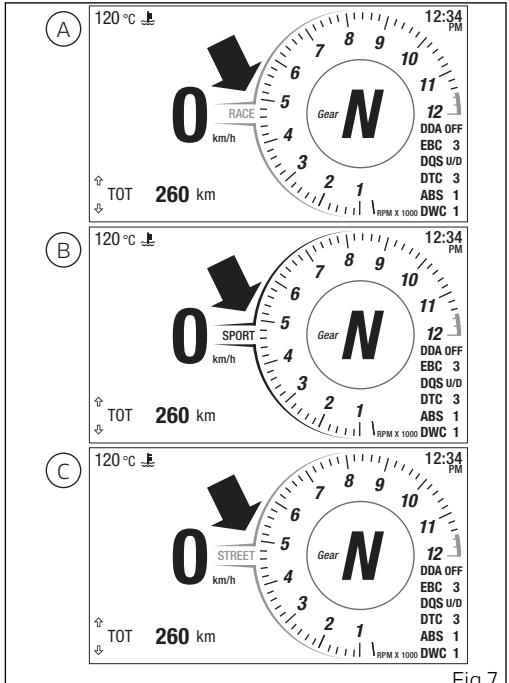


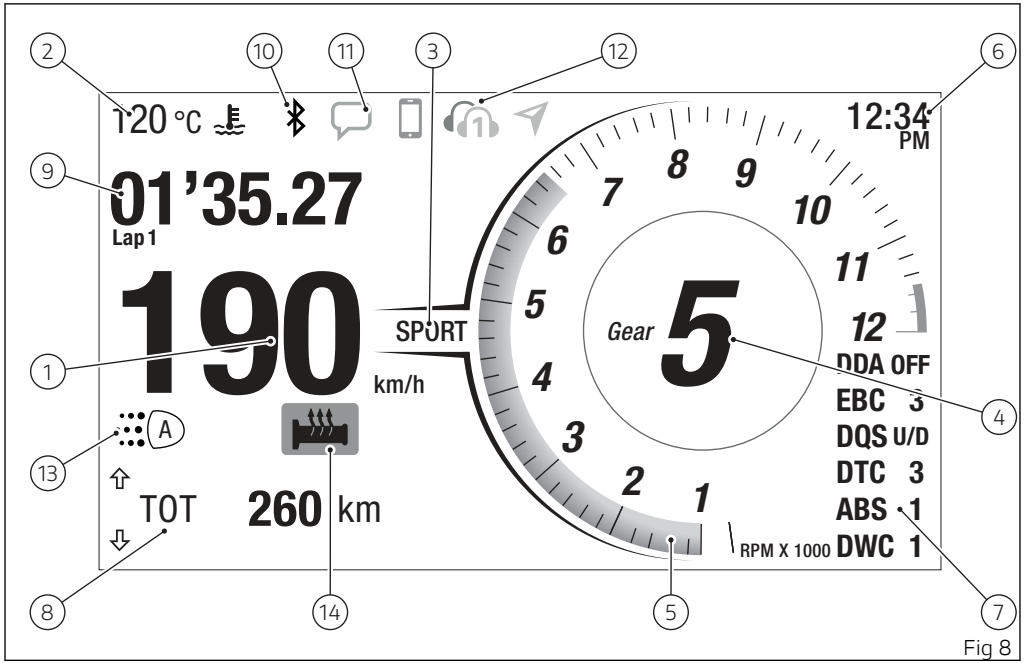
Fig 7

Data displayed on all types of main screen are as follows (Fig 8):

1) Motorcycle speed
2) Engine Coolant temperature
3) Set Riding Mode
4) Gear indication
5) Rev counter
6) Clock
7) Parameter indicators also showing the values associated with the set riding mode
8) Function menu
9) Lap time (if activated) or music player (if activated)
10) Bluetooth indication (only if present and active)
11) Indication of missed calls or received messages (only if Bluetooth is active and a smartphone is connected)
12) Connected device indication (only if Bluetooth is available and active)
13) DRL lights status (DRL lights are not present in China, Canada and Japan).
14) Heated handgrips (if any)

Further details that can be displayed only if the relevant function is active are the following:

- Warning/Alarm indication (Warning)
- Side stand status (Side Stand)
- SERVICE warning


2
10
11
3
12
6
120 °C
12:34
PM
9
01’35.27
Lap 1
190
km/h
SPORT
Gear
5
DDA OFF
EBC 3
DQS U/D
DTC 3
ABS 1
DWC 1
1
4
13
A
TOT
260 km
RPM X 1000
8
14
5
7
Fig 8

Main and auxiliary functions

The functions displayed in the main screen are the following:

Main information:

- Motorcycle speed
- Engine rpm indication
- Engine Coolant temperature
- Clock
- Gear indication
- Set Riding Mode
- Parameters linked to set riding mode: DWC, ABS, DTC, DQS, EBC, DDA
- Function menu
- TOT - Trip meter
- TRIP 1 - Trip meter 1
- CONS. AVG 1 - Average consumption
- SPEED AVG 1 - Average speed
- TRIP TIME 1 - Trip time
- T AIR - External air temperature
- TRIP FUEL - Partial fuel reserve counter
- TRIP 2 - Trip meter 2
- CONS. - Instantaneous fuel consumption
- PLAYER (OFF / ON) - Player management, only if the BT module (accessory) is present and at least one smartphone is connected
- LAST CALLS – Call Management - only if the BT module (accessory) is present and at least one smartphone is connected
- HEATING GRIPS - Heated handgrips management, present only if installed (accessory)
- SETTING MENU

Additional information:

- Lap time (LAP)
- Infotainment (accessory)
- Service indication
- DRL lights status indication (accessory)
- Errors
- Warnings and Alarms
- Viewing side stand status

The functions within the SETTING MENU that can be modified by the user are the following:

- Riding Mode - riding style customisation
- Pin Code - activation and change
- Lap - activation and lap time management
- Backlight - backlighting adjustment
- Date and Clock - setting date and time
- Units - setting the unit of measurement
- Service - information on next services

- Tire Calibration - drive ratio and tyre calibration
- DRL - mode setting (accessory)
- Bluetooth - Bluetooth device management (accessory)
- DDA - data management
- Turn indicators - turn indicator mode setting
- Info - information

Engine rpm indication

The engine rpm is displayed using a rev counter featuring a coloured wake: grey in DAY mode and white in NIGHT mode

When the wake becomes amber yellow, the instrument panel is warning the rider to shift up. The red wake flashes when the limiter kicks in and the Over-rev warning lights (12 and 13, Fig 4) turn on. If the number of rpm is lower than 1,000 RPM, the wake is not displayed.

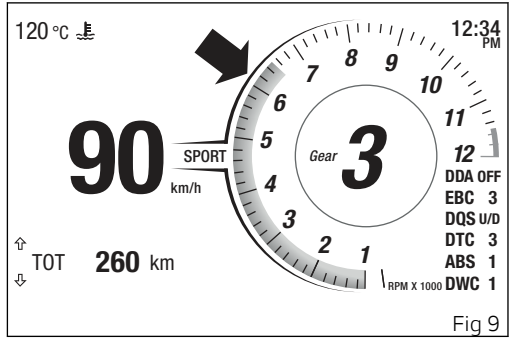


Fig 9

Motorcycle speed

Speed indication is displayed increased by 5% and together with the set unit of measurement (km/h or mph).

A string of three dashes "- - -" is displayed with the set unit of measurement if:

- speed is above 299 km/h (186 mph);
- the speed sensor is in fault (flashing "- - -").

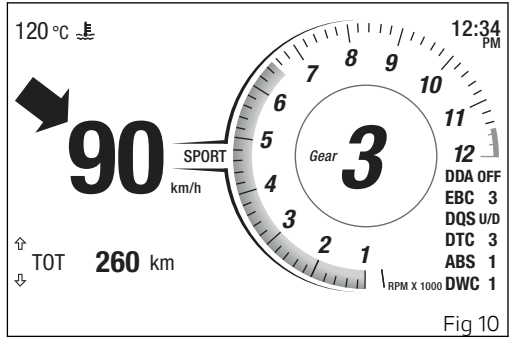


Fig 10

Gear

The gear engaged (1– 6) is displayed at the centre of the rev counter.
If gear is in neutral, the letter "N" is displayed and the Neutral warning light (2, Fig 4) turns on.

In case of gear sensor error, a dash "-" will be displayed together with the Neutral warning light flashing.

Note

If the display shows "-" steady on and the Neutral light is off, then the gearbox could be in a mechanically unstable position; in such a case, up/ downshift until the correct gear is indicated.

Note

When the rpm indicator becomes amber yellow, the instrument panel is warning the rider to shift up.

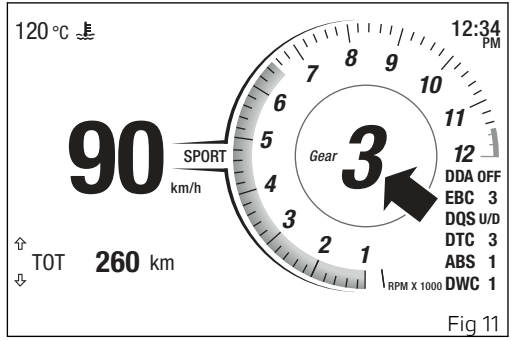


Fig 11

Clock

The instrument panel displays the time in the format HH:MM (hours:minutes), followed by “AM” or “PM” indication.

In case of a power off (Battery Off), upon the following Key-On, the instrument panel displays 4 dashes "- - : - -" steadily, with flashing colon and “AM”. It is hence necessary to set the time through the SETTING MENU.

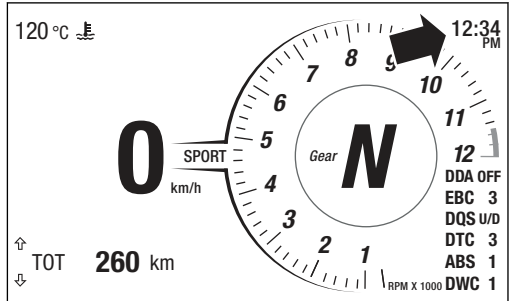


Fig 12

Engine Coolant temperature

The temperature is displayed followed by the set unit of measurement (°C or °F).
The temperature display range goes from 40 °C to +120 °C (+104 °F ÷ +248 °F).

If reading is:

- equal to or lower than -40 °F (-40 °C), a string of three flashing dashes "- - -" is displayed;
- within the range -39 °C (-38 °F) to +39 °C (+102 °F), "LO" is displayed;
- equal to or higher than +121 °C (+250 °F), "HI" is displayed flashing.

If the coolant temperature sensor is in fault, a string of three flashing dashes "- - -" is displayed with the set unit of measurement.

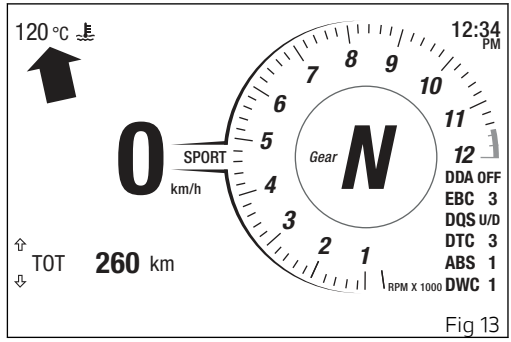


Fig 13

Riding Mode (RIDING MODE)

3 Riding Modes are available: RACE, SPORT, STREET.

The name of the active Riding Mode is displayed in the central part of the display, between the speed value and the rev counter.

Each Riding Mode is associated with a different colour for the name and rev counter box.

- red for RACE (A)
- black in day mode or white in night mode for SPORT (B)
- grey for STREET (C)

The parameters associated to each Riding Mode and that can be customised are: ENGINE, DTC, ABS, DWC, EBC, DQS.

The parameters of each Riding Mode are preset by Ducati; it is still possible to customise them using the SETTING MENU.

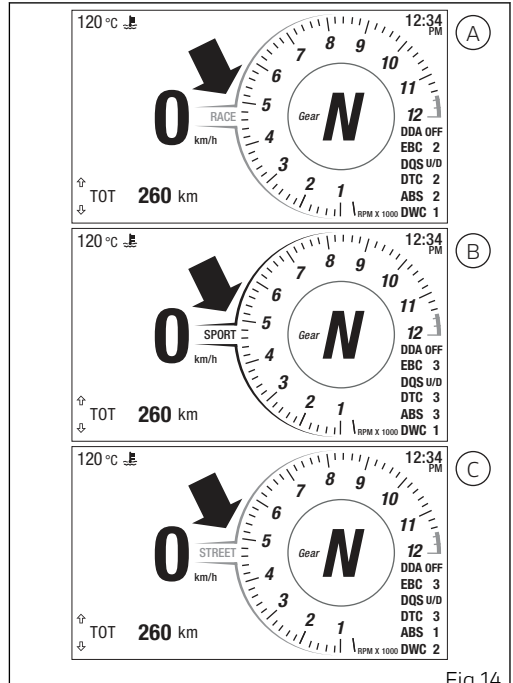


Fig 14

Change Riding Mode as follows:

- Hold ENTER button depressed for 1 second. System opens the page from which it is possible to scroll the available Riding Modes and view their parameters, together with the relevant settings.
- Use the navigation buttons to select the desired Riding Mode.
- Press ENTER button to confirm.

Select "Exit" and press ENTER button to quit the Riding Mode change function without making any changes.

As soon as the new Riding Mode is confirmed, the instrument panel checks the following conditions:

- If speed is lower than or equal to 5 km/h (3 mph) and throttle control is open, the message “Close throttle” is displayed; the new Riding Mode is confirmed and stored only when throttle control is closed and the main screen is displayed.
- If speed is lower than or equal to 5 km/h (3 mph), throttle control is closed but brakes are actuated, the message “Release brakes” is displayed; the new Riding Mode is confirmed and stored only when brakes are released and the main screen is displayed.
- If both the previously specified conditions are true, message “Close throttle and release brakes” is displayed; the new Riding Mode is confirmed and stored only when the 2 conditions are as required and the main screen is displayed.

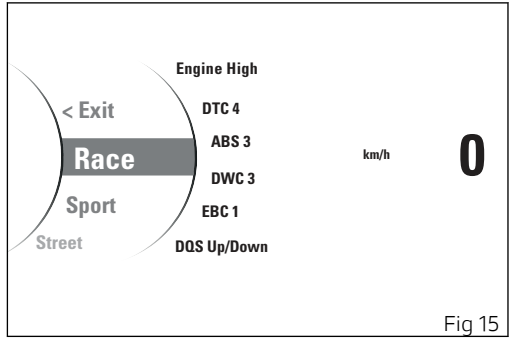


Fig 15

If either of the conditions required to validate the change of Riding Mode are not true within 5 seconds from activation of one of the above-described conditions, the procedure will be aborted, the

instrument panel will go back to displaying the main page and no settings will be changed.

DWC indicator

The instrument panel displays DWC current level. The level can be customised using the Riding Mode function present in the SETTING MENU.

If DWC is in degraded operation mode, relevant indication is displayed flashing; also the DTC/DWC warning light (8, Fig 4) turns on.
When in fault, the red "Err" message is displayed instead of the level; also DTC/ DWC light (8, Fig 4) turns on.(Fig 4)

Note

If DTC is set to "OFF", also the DWC will be automatically set to "OFF".

Attention

In case of system malfunction, contact a Ducati Dealer or Authorised Service Centre.

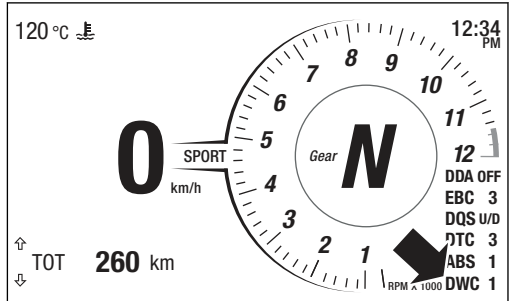


Fig 16

Attention

DWC is a rider aid that can be used on both the track and the road. The system is designed to make riding easier and to enhance safety, but in no way relieves the rider of the obligation to drive responsibly and to maintain a high standard of riding in order to avoid accidents, whether caused by his own errors or those of other road users, through making emergency manoeuvres, in accordance with the prescriptions of the road traffic code.

The rider must always be aware that active safety systems have a preventive function. The active

elements help the rider control the motorcycle, making it as easy and safe to ride as possible. The presence of an active safety system should not encourage the rider to ride at speeds beyond the reasonable limits, not in accordance with the road conditions, the laws of physics, good riding standards and the requirements of the road traffic code.

The following table indicates the most suitable level of DWC intervention for the various riding types as well as the default settings in the "Riding Mode" that can be selected by the rider:

DWC LEVEL	USE		DEFAULT
OFF		The DWC is disabled.	NO
1	HIGH PERFORMANCE	Road use and track use for expert riders. The system allows wheelies, but decreases the speed at which the front wheel lifts.	NO
2	PERFORMANCE	Road use and track use for expert riders. The system reduces the motorcycle's proneness to do wheelies and intervenes in case of wheelie.	It is the default level for the "RACE" Riding Mode
3	SPORTIVE	Level for all kinds of riders. The system reduces the motorcycle's proneness to do wheelies and sensitively intervenes in case of wheelie.	It is the default level for the "SPORT" Riding Mode
4	SAFE & STABLE	Level for all kinds of riders. The system reduces the motorcycle's proneness to do wheelies to a minimum level and sensitively intervenes in case of wheelie.	It is the default level for the “STREET" Riding Mode

Tips on how to select the intervention level

Attention

Excellent operation of the DWC system, for all available levels, is ensured only with the OE final drive and with OE tyres and/or with the ones recommended by Ducati. The use of tyres of different size and characteristics to the original tyres may alter the operating characteristics of the system thus making it unsafe. It is recommended not to install tyres of different size than the ones approved for your vehicle.

At level 4 the DWC system reduces the motorcycle's proneness to do wheelies to a minimum level and sensitively intervenes in case of wheelie. Between level 4 and level 1 there are further intermediate levels of intervention for the DWC. Levels 1 and 2 allow easier wheelies, but reduce their speed: these levels are recommended only for track use and for expert riders who can control wheelies on their own and exploit the system feature that reduces the speed at which the front wheel tends to lift

The choice of the correct level mainly depends on the following parameters:

- The rider's experience;
- The characteristics of the path/circuit (bend exit with low or high gear engaged).

The rider's experience

The choice of level setting depends greatly on the riders' experience and ability to control wheelies on their own. Levels 1 and 2 require a great experience to ensure proper control.

Level depends on type of track

If the track/path features bends where out speed and gear are low, a lower level will be necessary; while a track/path with faster bends will allow the use of a higher level setting.

Tips for use on the track

We recommend to use level 4 for a couple of full laps in order to get used to the system. Then try levels 3, 2, etc., in succession until you identify the DWC sensitivity level that suits you best (always try each level for at least two laps to allow the tyres to warm up).

Tips for use on the road

Activate the DWC, select level 4 and ride the motorcycle in your usual style; if the level of DWC sensitivity seems excessive, try levels 3, 2, etc., until you find the one that suits you best.

If changes occur in the circuit characteristics, and the level setting is no longer suitable, switch to the next level up or down and proceed to determine the best setting (e.g. if with level 2 the DWC intervention seems excessive, switch to level 1; alternatively, if on level 2 you cannot perceive any DWC intervention, switch to level 3).

ABS indicator

The instrument panel displays ABS current level. The level can be customised using the Riding Mode function present in the SETTING MENU.

When the ABS is in self-diagnosis stage, the ABS light (10, Fig 4) flashes.
If ABS is in degraded operation mode, current level is displayed flashing; also the ABS warning light (10, Fig 4) flashes.
When in fault, the red "Err" message is displayed instead of the level; also ABS light (10, Fig 4) turns on(Fig 4)

Attention

In case of system malfunction, contact a Ducati Dealer or Authorised Service Centre.

Using the brakes correctly under adverse conditions is the hardest – and yet the most critical - skill to master for a rider. Braking is one of the most difficult and dangerous moments when riding a two wheeled motorcycle: the possibility of falling or having an accident during this difficult moment is statistically higher than any other moment. A locked front wheel leads to loss of traction and stability, resulting in loss of control.

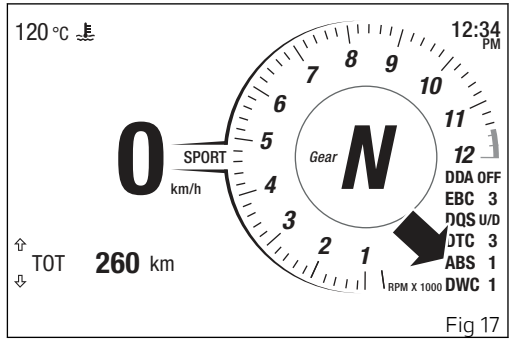


Fig 17

The Anti-Lock Braking System (ABS) has been developed to enable riders to use the motorcycle braking force to the fullest possible amount in emergency braking or under poor pavement or adverse weather conditions.
ABS is an electro-hydraulic device that controls the pressure in the brake circuit when the control unit, by processing information from wheel sensors, determines that one or both wheels are about to lock up. In this case, pressure decrease in the brake circuit allows the wheel to carry on turning, thereby preserving grip.

After that, the control unit restores the pressure in the brake circuit, to resume the braking action. This cycle is repeated many times until the problem is completely eliminated. Normally, the rider will perceive ABS operation as a harder feel or a pulsation of the brake lever and pedal. The front and rear brakes use separate control systems.
The ABS system fitted to the Panigale V2 is a safety system preventing wheel lockup while braking, adopting different strategies depending on the selected level. The active presence of strategies and their intervention level depend on the selected level. The ABS features 3 levels, one associated to each Riding Mode.

The Panigale V2 ABS features a "cornering" function that optimises ABS functionality to the conditions where the motorcycle is leaning over, thus preventing wheel lockup and slipping as much as possible, within the physical limits allowed by the vehicle and by the road conditions. The cornering function is active on all the ABS levels. According to the selected level, the ABS can implement the anti lift-up function for the rear wheel so as to guarantee not only a reduced stopping distance under braking, but also the highest possible stability.

In ABS level 1, the system only works on the front discs to ensure top performance for track use.
In ABS level 2, the system works on the front and on the rear, and also the “slide control under braking” is active. Under some activation conditions, ensuring in any case the maximum rider safety, the ABS system allows more pronounced slipping at the rear allowing vehicle yaw or slide, so as to permit a more sporty and faster corner entry. This control activates when the user acts on the rear brake during a sufficiently strong braking also at the front. During the operation of this system, the ABS monitors vehicle slipping or slide level, so that it remains below a safety level, which depends on the lean angle. If vehicle slipping or slide level increases too much, the ABS operates again in standard mode, realigning the vehicle in order to always ensure the maximum safety.

Attention

Using the two brake controls separately reduces the motorcycle braking power.
Using just one of the two brake controls separately means using the motorcycle braking power only partially.
Never use the brake controls harshly or suddenly as you may cause rear wheel lift-up and lose control of the motorcycle.
When riding in the rain or on slippery surfaces, braking will become less effective. Always use the brakes very gently and carefully when riding under these conditions. Any sudden manoeuvres may lead to loss of control. When tackling long, high-gradient downhill road tracts, shift down gears to use engine braking. Apply one brake at a time and use brakes sparingly. Keeping the brakes applied all the time would cause the friction material to overheat and reduce braking power dangerously. Underinflated and overinflated tyres reduce braking efficiency, handling accuracy and stability in a bend.

The following table indicates the most suitable level of ABS intervention for the various riding types as well as the default settings in the "Riding Mode" that can be selected by the rider:

LEVEL	RIDING MODE	USE	DEFAULT
1	TRACK	This level is designed for exclusive track use, for expert riders. ABS in this mode only works on the front wheel, and thus allows rear wheel lockup. Anti lift-up cornering features are not active.	-

2	SPORT	This level is designed for use with good grip conditions. ABS in this level controls both wheels and the cornering function is active; while anti-lift-up control is not active. This calibration focusses on braking power and yet keeps good stability. In this level, also the “slide control under braking” is active.	It is the default level for the RACE riding mode
3	ALL/ URBAN/WET CONDITION	This level is designed for use in any riding conditions to provide a safe and consistent braking action. ABS in this level controls both wheels and the cornering and anti-lift-up functions are active.	It is the default level for the SPORT and STREET riding modes

Tips on how to select the intervention level

Excellent operation of the ABS system, for all available levels, is ensured only with the OE brake system and with OE tyres and/or with the ones recommended by Ducati. In particular, OE tyres for this motorcycle are:
front 120/70 ZR17 M/C (58W) TL - rear 180/60 ZR17 M/C (75W) TL Pirelli Diablo Rosso II.

The use of tyres of different size and characteristics to the original tyres may alter the operating characteristics of the system thus making it unsafe. It is recommended not to install tyres of different size than the ones approved for your vehicle.
Selecting level 3, the ABS will ensure a very stable braking thanks to lift-up control, and the motorcycle will keep a good alignment during the whole braking action also in a bend, thanks to the cornering feature.
Selecting level 2, the ABS will privilege more and more the braking power, yet keeping a good stability. ABS level 2 provides the cornering feature. Moreover, level 2 activates the function of slide control under braking (available in this level only).

ABS level 1 is for expert riders and privileges braking power, to the detriment of stability and lift-up control.

The choice of the correct level mainly depends on the following parameters:

1) The tyre/road grip (type of tyre, amount of tyre wear, the road/track surface, weather conditions, etc.).
2) The rider's experience and sensitivity: expert riders can tackle a lift-up in trying to reduce the stopping distance to a minimum, while less expert riders are recommended to use setting 3, that will help them keeping the motorcycle more stable even in emergency braking.

DTC indicator

The instrument panel displays DTC current level. The level can be customised using the Riding Mode function present in the SETTING MENU.

If DTC is in degraded operation mode, relevant indication is displayed flashing; also the DTC/DWC warning light (8, Fig 4) turns on.
When in fault, the red "Err" message is displayed instead of current level; also DTC/ DWC light (8, Fig 4) turns on.
When DTC is set to “OFF”, also the DWC will be automatically set to “OFF” and the DTC/DWC light (8, Fig 4) will turn on.(Fig 4)

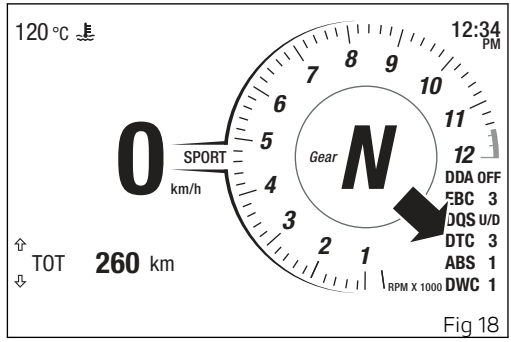


Fig 18

Attention

In case of system malfunction, contact a Ducati Dealer or Authorised Service Centre.

The Ducati Traction Control system (DTC) supervises the rear wheel slipping control and settings vary through eight different levels that are calibrated to offer a different tolerance level to rear wheel slipping. Each Riding Mode features a pre-set intervention level. Level 8 indicates system intervention whenever a slight slipping is detected, while level 1 is for track use and very expert riders because it is less sensitive to slipping and intervention is hence softer.

Attention

DTC is a rider aid that can be used both on the road and on the track. The system is designed to make riding easier and to enhance safety, but in no way relieves the rider of the obligation to drive responsibly and to maintain a high standard of riding in order to avoid accidents, whether caused by his own errors or those of other road users, through making emergency manoeuvres, in accordance with the prescriptions of the road traffic code.

The rider must always be aware that active safety systems have a preventive function. The active elements help the rider control the motorcycle, making it as easy and safe to ride as possible. The presence of an active safety system should not encourage the rider to ride at speeds beyond the reasonable limits, not in accordance with the road conditions, the laws of physics, good riding standards and the requirements of the road traffic code.

The following table indicates the most suitable level of DTC intervention for the various riding modes, as well as the default settings in the “Riding Mode” that can be selected by the rider:

DTC LEVEL	RIDING MODE	OPERATION CHARACTERISTIC	DEFAULT
OFF		The DTC is disabled.	NO
1	TRACK Professional	This level is designed for exclusive track use, for very expert riders. In this mode, the DTC allows side slipping.	NO
2	TRACK	This level is designed for exclusive track use, for very expert riders In this mode, the DTC allows side slipping.	NO
3	TRACK	This level is designed for track use and for expert riders. In this mode, the DTC allows side slipping.	It is the default level for the "RACE" Riding Mode
4	ROAD	This level is designed for riding both on the road and on the track.	It is the default level for the "SPORT" Riding Mode
5	ROAD	This level is designed for riding both on the road and on the track.	
6	SAFE & STABLE	This level is designed for use in any riding conditions, on the road with good grip.	It is the default level for the “STREET" Riding Mode

7	RAIN	This level is designed for track use, exclusively with Rain tyres when surface is wet.	NO
8	HEAVY RAIN	This level is designed for road use, when surface is wet and very slippery. ENGINE LOW must be used for an optimum operation of this level.	NO

Tips on how to select the intervention level

Attention

Excellent operation of the DTC system, for all available levels, is ensured only with OE tyres and/or with the ones recommended by Ducati and with the OE final drive ratio. In particular, OE tyres for this motorcycle are Pirelli Diablo Rosso Corsa II in the following sizes: 120/70ZR17 at the front, 180/60ZR17 at the rear. The use of tyres of different size and characteristics to the original tyres may alter the operating characteristics of the system thus making it unsafe. It is recommended not to install tyres of different size than the ones approved for your vehicle.

As far as tyres are concerned, in the case of minor differences such as, for example, tyres of a different make and/or model than the OE ones, it is necessary to use the relevant automatic calibration function in order to restore correct system operation.

As far as the final ratio is concerned, when using a different ratio (which only possible for tracing use) than the original equipment one, it is recommended to use the relevant automatic calibration function in order to restore optimal system operation.

If level 8 is selected, the DTC will kick in at the slightest hint that the rear wheel is starting to spin. Between level 8 and level 1 there are other 6 intermediate levels. DTC intervention gradually decreases from level 8 to level 1.

The use of this level with tyres having different characteristics may alter the operating characteristics of the system.

The choice of the correct level depends on 3 main variables:

1) The grip (type of tyre, amount of tyre wear, the road/track surface, weather conditions, etc.)
2) The characteristics of the path/circuit (bends all taken at similar speeds or at very different speeds)
3) The riding mode (whether the rider has a "smooth" or a "rough" style)

Level depends on grip conditions

The choice of level setting depends greatly on the grip conditions of the track/path (see below, tips for use on the track and on the road). Poor grip requires a higher level that ensures a more aggressive DTC intervention.

Level depends on type of track

If the track/path features bends all taken at similar speeds, it will be easier to find a level suitable for all bends; while a track/path with bends all requiring different speeds will require a DTC level setting that is the best compromise for all bends.

Level depends on riding style

The DTC will tend to kick in more with a "smooth" riding style, where the motorcycle is leaned over further, rather than with a "rough" style" where the motorcycle is straightened up as quickly as possible when exiting a turn.

Tips for use on the track

We recommend that level 6 is used for a couple of full laps in order to heat the tyres and get used to the system. Then try levels 6, 5, 4, etc., in succession until you identify the DTC sensitivity level that suits you best.

Once you have found a satisfactory setting for all the corners except one or two slow ones, where the system tends to kick in and control too much, you can try to modify your riding style slightly to a more "rough" approach to cornering i.e. straighten up more rapidly on exiting the corner, instead of immediately trying a different level setting.

Tips for use on the road

We recommend the level in order to get used to the system. If the level of DTC intervention seems aggressive, try reducing the setting to levels 5, 4, etc., until you find the level that suits you best.

If changes occur in the grip conditions and/or circuit characteristics and/or your riding style, and the level setting is no longer suitable, switch to the next level up or down and proceed to determine the best setting (e.g. if with level 5 the DTC intervention seems excessive, switch to level 4; alternatively, if on level 5 you cannot perceive any DTC intervention, switch to level 6).

DQS indicator

The instrument panel displays DQS current level. The level can be customised using the Riding Mode function present in the SETTING MENU.

If DQS is in degraded operation mode, relevant indication is displayed flashing.
If DQS system is disabled, "Off" is displayed.
When in fault, the red "Err" message is displayed instead of the level.

The DQS with up/down feature allows the rider to upshift and downshift without using the clutch lever. It includes a two-way microswitch - built in the lever mechanism - that outputs a signal to the engine control unit whenever the gearshift is operated. The system works in a different way when upshifting and downshifting.

Tips on how to best exploit the DQS function:

- The Ducati Quick Shift takes the same shift lever operation as with vehicle not equipped with the Ducati Quick Shift.
  Ducati Quick Shift is not designed for shifting automatically.
- For any gearshift request (upshifting or downshifting) the rider has to move the shift lever from its idle position in the desired direction against the force of the spring through a certain over-travel, then keep the shift lever in this position until the gearshift is completed. Once the gearshift has been completed, the lever has to be fully released in order to allow another gearshift acted by Ducati Quick Shift. If the rider does not move the shift lever up to end stroke during a Ducati Quick Shift request, gears may not be fully engaged.
- Ducati Quick Shift provides no assistance for the gearshift if the rider uses the clutch lever: the

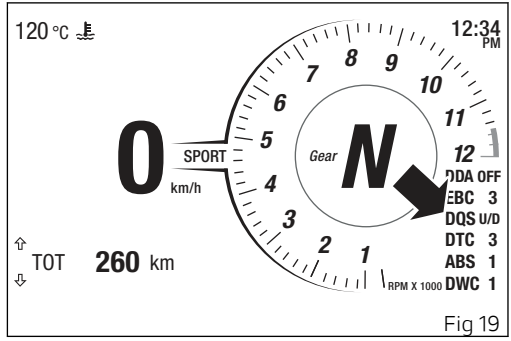


Fig 19

Ducati Quick Shift does not work when the clutch lever is pulled.

- Ducati Quick Shift will shift down (downshifting) only when the throttle control is completely closed.
- If the Ducati Quick Shift strategy does not work it is always possible to complete the gear shifting using the clutch lever.
- If the gear lever is held pressed up or down for more than 131 seconds (even if just by accident) a plausibility error can be memorised in the electronic control unit and the Ducati Quick Shift system could be disabled; in this case, to reactivate the system, it is necessary to release the lever, switch the instrument panel off, wait for 5 minutes and switch the instrument panel on again.
- Ducati Quick Shift is designed to operate above 2,500 rpm.
- No matter the gear engaged, downshifting with Ducati Quick Shift (downshifting) only woks below a set threshold, so as to avoid exceeding the maximum rpm allowed when the lower gear is engaged.

EBC indication

The instrument panel displays EBC current level. The level can be customised using the Riding Mode function present in the SETTING MENU.

When in fault, the red "Err" message is displayed instead of the level.

The Engine Braking Control (EBC) system controls engine braking when riding with throttle control completely closed (both when downshifting and in a normal cut-off with the same gear engaged, while braking or not). This system independently adjusts the throttle valves to ensure a consistent torque goes back from the wheel to engine during these stages.
The system allows the rider to set "engine brake", the range being from a maximum engine braking with system set to level 1, and progressively decreasing as level increases.
System is particularly sensitive at high rpm and sensitivity gradually decreases as soon as engine rpm decrease.

Table of EBC interventions within the Riding Mode:

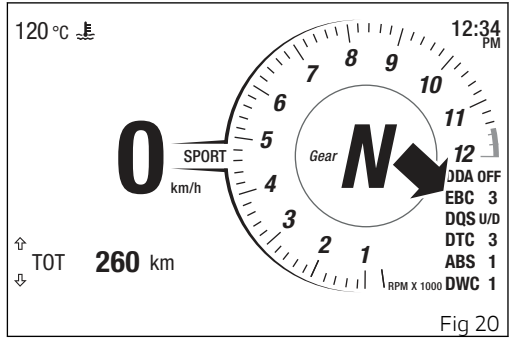


Fig 20

Attention

EBC is a rider aid that can be used both on the track and the road. The system is designed to make riding easier, but in no way relieves the rider of the obligation to ride responsibly and to maintain a high standard of riding in order to avoid accidents, whether caused by his own errors or those of other road users, through making emergency manoeuvres, in accordance with the prescriptions of the road traffic code.

EBC	CHARACTERISTIC	DEFAULT
1	In this level the engine delivers the maximum engine brake.	It is the default level for the RACE, SPORT and STREET Riding Modes.
2	In this level the engine delivers a low engine brake. This level is recommended to any rider requiring reduced engine braking in deceleration.	NO
3	In this level the engine delivers the least engine brake. This level is recommended to any rider requiring very low engine braking in deceleration.	NO

Tips on how to select the intervention level

Excellent operation of the EBC system, for all available levels, is ensured only with OE tyres and/or with the ones recommended by Ducati and with the OE final drive ratio. In particular, OE tyres for this motorcycle are Pirelli Diablo Supercorsa SP V3 in the following sizes: 120/70ZR17 at the front, 200/55 200/60 ZR17 at the rear. The use of tyres of different size and characteristics to the original tyres may alter the operating characteristics of the system thus making it unsafe. It is recommended not to install tyres of different size than the ones approved for your vehicle.

As far as tyres are concerned, in the case of minor differences such as, for example, tyres of a different make and/or model than the OE ones, it is necessary to use the relevant automatic calibration function in order to restore correct system operation.

As far as the final ratio is concerned, when using a different ratio (which only possible for tracing use) than the original equipment one, it is recommended to use the relevant automatic calibration function in order to restore optimal system operation.
Selecting level 3, the EBC will kick in to ensure the minimum engine brake possible. Between level 3 and level 1 the engine brake levels are increasing progressively; with level 1 you set the maximum engine brake level possible.
The choice of the correct level mainly depends on the following parameters:

1) The grip (type of tyre, amount of tyre wear, the road/track surface, weather conditions, etc.).
2) The characteristics of the path/circuit (bends all taken at similar speeds or at very different speeds).
3) The Riding Mode.

Level depends on grip conditions

The choice of level setting depends greatly on the grip conditions of the track/circuit.

Level depends on type of track

If the track/path requires consistent braking (always aggressive or always smooth), it will be easier to find a level suitable for all braking instances; while a track/path requiring different braking power will require an EBC system level setting that is the best compromise for all instances.

DDA indication

The instrument panel displays DDA current status. Using the DDA function present in the SETTING MENU, it is possible to either change its status or manage stored information.

Note

This indication is only active if the DDA is present on the bike.

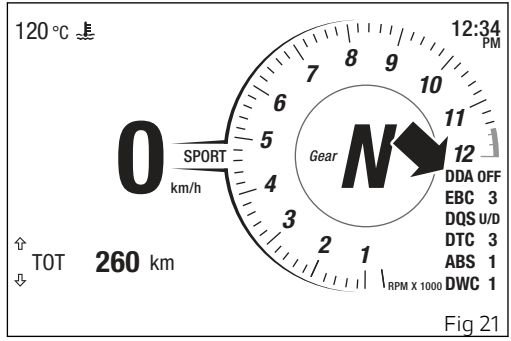


Fig 21

Function menu

From the main screen, use the navigation buttons to scroll through menu functions.
Available functions include:

- TOT - Odometer
- TRIP 1 - Trip meter 1
- CONS. AVG 1 - Average consumption
- SPEED AVG 1 - Average speed
- TRIP TIME 1 - Trip time
- T AIR - External air temperature
- TRIP FUEL - Partial fuel reserve counter
- TRIP 2 - Trip meter 2
- CONS. - Instantaneous fuel consumption
- PLAYER (OFF / ON) - Player management, present only if the Bluetooth module (accessory) is installed and one smartphone is connected
- LAST CALLS - Call management, present only if the Bluetooth module (accessory) is installed and one Smartphone is connected
- HEATING GRIPS - Heated handgrips, present only if installed (accessory)
- SETTING MENU

The UP ⇧ and DOWN ⇩ arrows - corresponding to the navigation buttons - appear on the LH side of

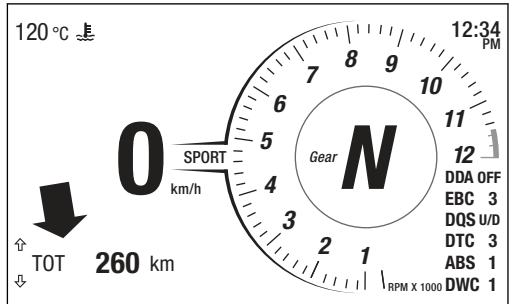


Fig 22

the menu indicating the possibility to scroll through the functions. The empty circle symbol ○ is displayed when it is possible to interact with the displayed function by pressing ENTER button, for instance to reset TRIP 1.

TOT

The odometer displays the total distance covered by the motorcycle with the set unit of measurement (km or mi).
The odometer value is saved permanently and cannot be reset under any circumstances.

Note

If a string of flashing dashes " ----- " is displayed within odometer function, please contact a Ducati Dealer or Authorised Service Centre.

Note

When the instrument panel is switched on, this function is displayed for 10 seconds and then instrument panel goes back to the function that was set before switch-off.

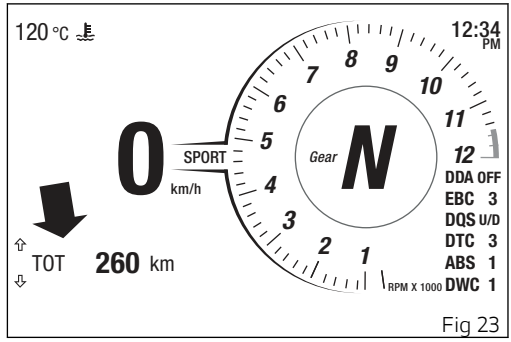


Fig 23

TRIP 1

TRIP 1 function displays partial distance covered by the vehicle.
When the value exceeds the maximum value of 9999.9, it is automatically reset and the meter starts counting from 0.0 again.

Reset the function as follows:
- view "TRIP 1" indication via the navigation buttons;
- press ENTER button;
- “RESET?” is displayed in place of the meter;
- press UP or DOWN button to cancel, or press ENTER button to confirm.

Reset is automatic also in the following cases:
- reset of CONS. AVG 1;
- reset of SPEED AVG 1;
- reset of TRIP TIME 1;
- due to a battery disconnection (Battery-Off);
- in case of manual change of the units of measurement of the system using the SETTING MENU.

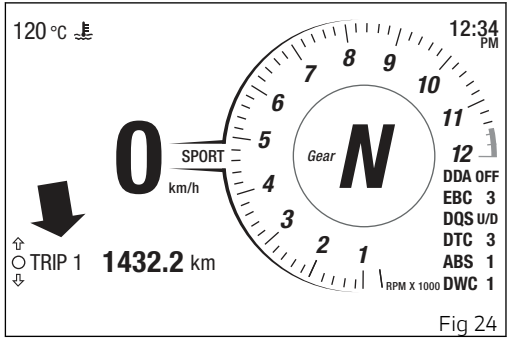


Fig 24

Note
When TRIP 1 is reset, the instrument panel also resets CONS. AVG 1, SPEED AVG 1 and TRIP TIME 1.

CONS. AVG 1

The CONS. AVG 1 function displays motorcycle average fuel consumption, calculated from last reset.
Value is expressed in the set unit of measurement (km/L, l/100 km, mpg UK, mpg US).

Reset the function as follows:
- view CONS. AVG 1 indication via the navigation buttons;
- press ENTER button;
- "RESET?" is displayed in place of the meter;
- press ENTER button to confirm, or press UP or DOWN button to cancel.

Reset is automatic also in the following cases:
- reset of TRIP 1;
- reset of SPEED AVG 1;
- reset of TRIP TIME 1;
- due to a battery disconnection (Battery-Off);
- in case of manual change of the units of measurement of the system using the SETTING MENU.

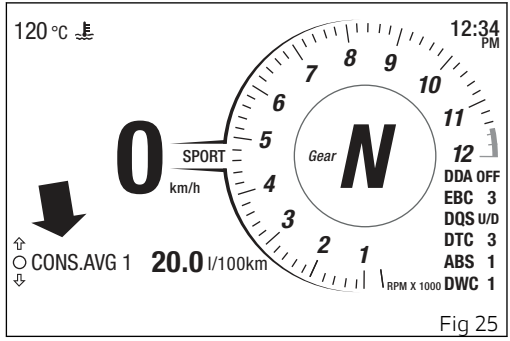


Fig 25

Note
When CONS. AVG 1 is reset, the instrument panel also resets TRIP 1, SPEED AVG 1 and TRIP TIME 1.

Note
Average fuel consumption is also calculated when motorcycle is at a standstill with engine running.

SPEED AVG 1

The SPEED AVG 1 function displays motorcycle average speed, calculated from last reset.

Reset the function as follows:
- view "SPEED AVG 1" indication via the navigation buttons;
- press ENTER button;
- “RESET?” is displayed in place of the meter;
- press ENTER button to confirm, or press UP or DOWN button to cancel.

Reset is automatic in the following cases:
- reset of TRIP 1;
- reset of CONS. AVG 1;
- reset of TRIP TIME 1;
- due to a battery disconnection (Battery-Off);
- in case of manual change of the units of measurement of the system using the SETTING MENU.

Note
When SPEED AVG 1 is reset, the instrument panel also resets TRIP 1, CONS. AVG 1 and TRIP TIME 1.

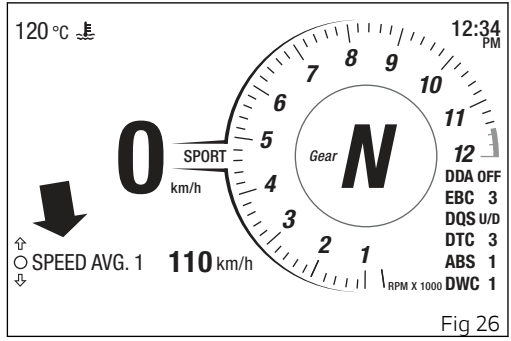


Fig 26

Note
When user resets average speed, a string of three dashes “- - -” is displayed for the first 10 seconds.

TRIP TIME 1

The TRIP TIME 1 function displays trip time in "hours:minutes", calculated from the last reset. The value is automatically reset when it exceeds the maximum value of 511:00.

Reset the function as follows:

- view TRIP TIME 1 indication via the navigation buttons;
- press ENTER button;
- "RESET?" is displayed in place of the meter;
- press ENTER button to confirm, or press UP or DOWN button to cancel.

TRIP TIME 1 information is automatically reset also in the following cases:

- reset of TRIP 1;
- reset of CONS. AVG 1;
- reset of SPEED AVG 1;
- due to a battery disconnection (Battery-Off);
- in case of manual change of the units of measurement of the system using the SETTING MENU.

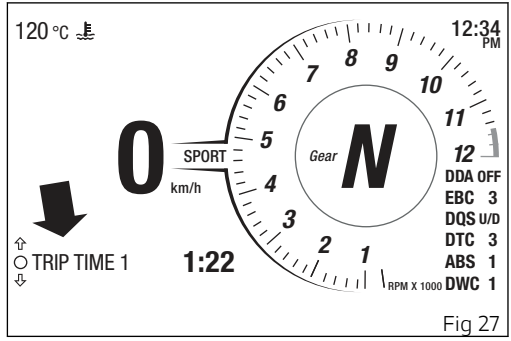


Fig 27

Note
When TRIP TIME 1 is reset, the instrument panel also resets TRIP 1, CONS. AVG 1 and SPEED AVG 1.

Note
Trip time is also calculated when motorcycle is at a standstill with engine running.

T AIR

The T AIR function displays the ambient temperature in °C or in °F.
It is possible to change unit of measurement through the SETTING MENU.

The temperature value is displayed when ranging from -39 °C to +124 °C (or -38 °F to +255 °F).
For temperature values lower than -39 °C (-38 °F) or higher than +125 °C (+255 °F) a string of three dashes "- - -" is displayed.

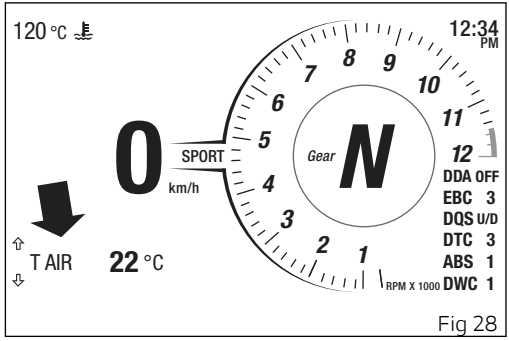


Fig 28

Note
When the motorcycle is stopped, the engine heat could influence the displayed temperature.

TRIP FUEL

The TRIP FUEL function is only available when the bike starts using the fuel reserve and displays the distance run from the moment the low fuel warning light turns on.
The function is disabled when the bike is no longer in a low fuel condition.
The value referred to the distance run on fuel reserve can be reset in the following cases:

- if value exceeds full scale value (9999.9);
- if user changes unit of measurement through the SETTING MENU;
- after battery disconnection.

Note
The TRIP FUEL function is displayed automatically at the precise moment when the bike starts using the fuel reserve, regardless of the function currently displayed.
At any rate, it is possible to scroll through all the other functions using the navigation buttons.

Note
The TRIP FUEL function is not displayed automatically when the SETTING MENU is open or during override through the Pin Code.

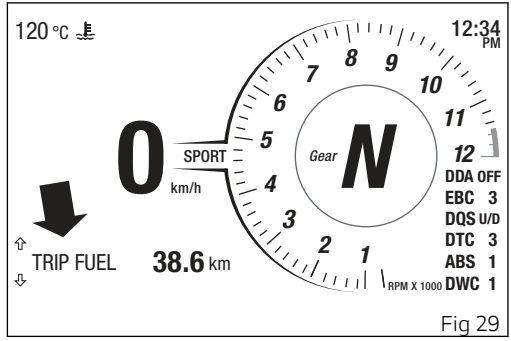


Fig 29

Note
If the low fuel condition no longer applies while TRIP FUEL function is displayed, the instrument panel displays again the TOT function.

TRIP 2

TRIP 2 indicator displays partial distance covered by the vehicle.
When the reading exceeds the maximum value of 9999.9, distance is automatically reset and the meter starts counting from 0.0 again.

Reset meter as follows:
- view TRIP 2 indication via the navigation buttons;
- press ENTER button;
- "RESET?" is displayed in place of the meter;
- press ENTER button to confirm, or press UP or DOWN button to cancel.

TRIP 2 information is automatically reset also in the following cases:
- due to a battery disconnection (Battery-Off);
- in case of manual change of the units of measurement of the system using the SETTING MENU.

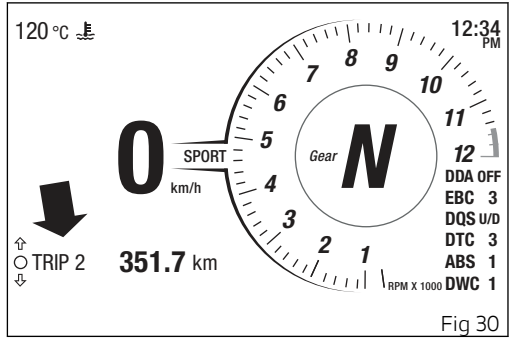


Fig 30

CONS.

The CONS. function displays motorcycle instant fuel consumption.
Value is expressed in the set unit of measurement (km/L, l/100 km, mpg UK, mpg US).

Note
Instant fuel consumption is only calculated when the motorcycle is running and moving.

During the stages when the calculation is not made, a string of three dashes is displayed "- - . -" in place of the value.

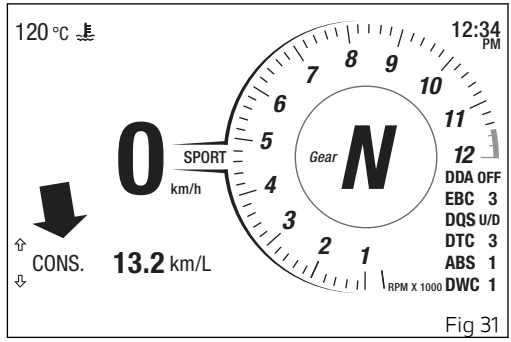


Fig 31

PLAYER (OFF / ON)

This function allows activating, deactivating and managing the music player.
It is available only if the Bluetooth control unit is installed and a smartphone is connected.
The function can be set to “OFF” or “ON”.

Important

If the smartphone connected to the instrument panel via Bluetooth is disconnected or switched off, this function will not be listed. It appears again only when the smartphone is connected again to the instrument panel via Bluetooth.

Note

If the rider helmet/intercom is connected in addition to the smartphone, the tracks will be listened through the helmet headphones.

Note

If the LAP function is active, music player activation (PLAYER ON) will stop the LAP functions and set it to OFF.

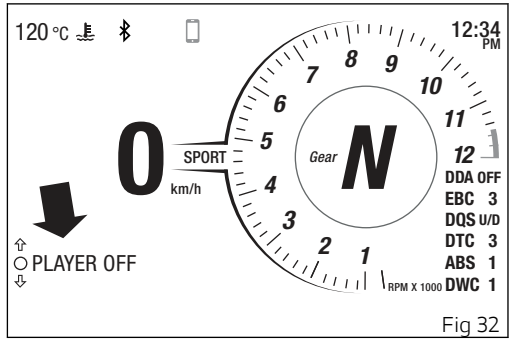


Fig 32

Note

If music player is active (PLAYER ON) and is playing a song from the smartphone, LAP function activation will stop the player and set it to PLAYER OFF.

Music player control enabling

If the music player control is set to “OFF” (Fig 32), press ENTER button to activate it.

With the music player control active, the display shows the title of the track currently being played on the connected smartphone (A), together with the available controls (B), and the “EXIT” indication preceded by the black arrow facing downwards (C).

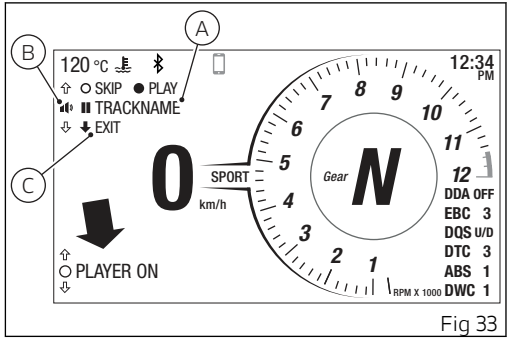


Fig 33

Note

The full name of the track is displayed once, scrolling the characters from right to left, then only the first characters are displayed. If the title of the track is not available, “NOT AVAILABLE” will be displayed.

Music player controls

When the control is active, UP button, DOWN button and ENTER button are used by the instrument panel only for the music player controls. In particular:

- Play/Pause, keep ENTER button pressed for 2 seconds;
- Go to next track “SKIP”, press ENTER button;
- Increase volume “+”, press UP button;
- Decrease volume “-”, press DOWN button;
- Quit the music player control, hold DOWN button depressed for 2 seconds.

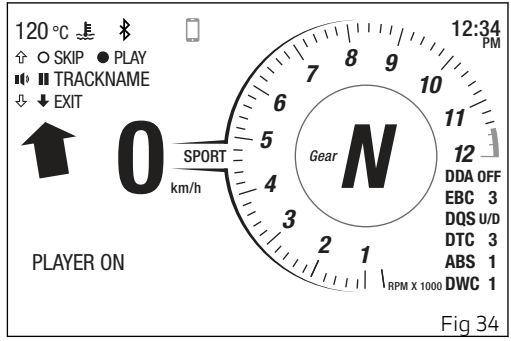


Fig 34

Quit the active music player control (ON)

To exit the music player control (Fig 34) and keep it active, for example with the track being played, press DOWN button for 2 seconds.

Then UP, DOWN and ENTER buttons go back to their "standard" functions for the management/ control of the instrument panel and are no longer used for the music player functions.
After its activation, the function is shown within the menu as "PLAYER ON" and a black arrow up is displayed underneath the track title, followed by "PLAYER CONTROL" (Fig 35).

Note
With the player on, even if you change function (e.g. TRIP 1), track title remains displayed.

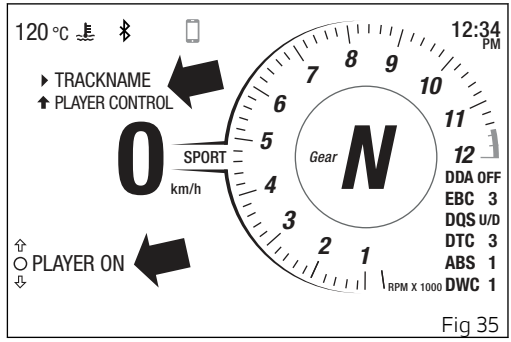


Fig 35

Reactivating the music player control (ON)

To resume music player controls, view PLAYER ON function (Fig 35) and press UP button for 2 seconds.

UP, DOWN and ENTER buttons will be again used by the instrument panel only for the music player controls (Fig 34).

Music player control disabling

To disable music player and also stop current track playing, select PLAYER ON function (Fig 35) and press ENTER button.
The function is then shown as “PLAYER OFF” (Fig 32).

LAST CALLS

This function shows the list of the last missed, outgoing or incoming calls and is available only if the Bluetooth control unit is installed and a smartphone is connected.

To display the list of calls, press ENTER button (Fig 36).
When entering this function, the display shows message “WAIT..” for a few seconds, then shows the name or phone number from the last call (Fig 37).
Only the last 7 made, received or missed calls are displayed.
Use the navigation buttons to scroll through the listed calls. To make a call to the number/name selected from the list, press ENTER button. For more information refer to the chapter “Infotainment”.
If the list of calls is empty, “EMPTY” will be displayed: in this case it is only possible to quit the function.
To exit the function and go back to the previous screen, hold DOWN button depressed for 2 seconds.

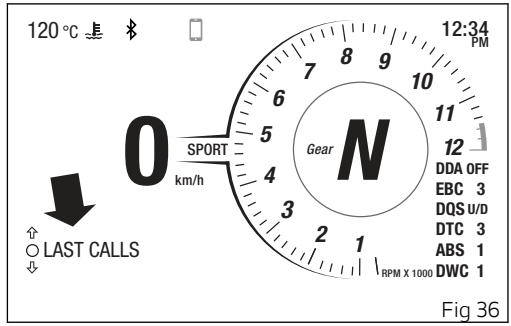


Fig 36

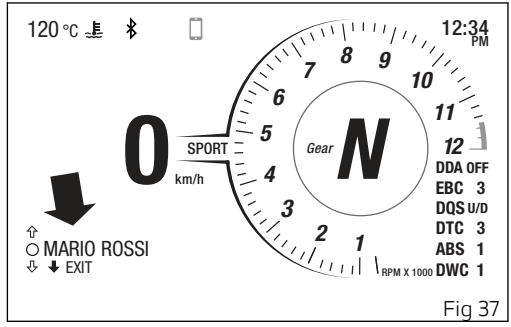


Fig 37

HEATING GRIPS

This function is available only if the heated handgrips have been installed, allowing their adjustment.

To set the level:

- view HEATING GRIPS (Fig 38) indication via the navigation buttons;
- press ENTER button;
- current level (Fig 39) is displayed and rider can use the navigation buttons to scroll through the available levels (OFF, LOW, MEDIUM, HIGH);
- press ENTER button to confirm the new level, or hold depressed the DOWN button for a few seconds to cancel.

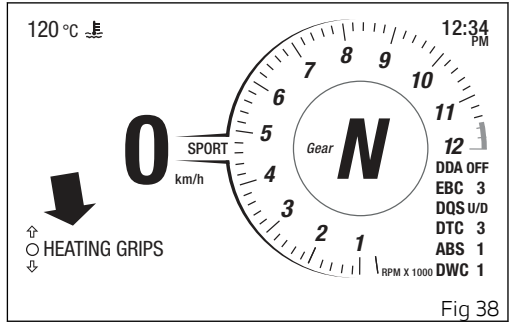


Fig 38

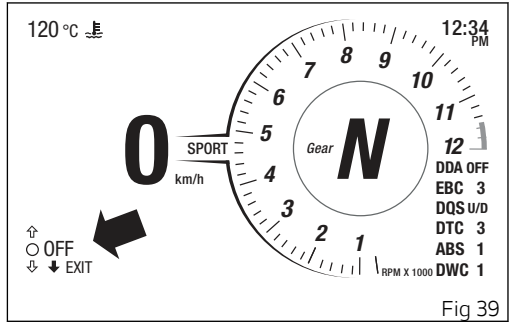


Fig 39

When a level other than “OFF” is selected, the heated handgrips symbol is displayed in the main page. The turning on of this symbol indicates that the heated handgrips are ready to be heated.

The actual turning on (heating) of the heated handgrips occurs only with engine started, when a certain number of engine rpm have been reached and maintained.
The actual switch-on is indicated by the colour of the icon corresponding to the current heating level:

- LOW = green
- MEDIUM = amber yellow
- HIGH = red

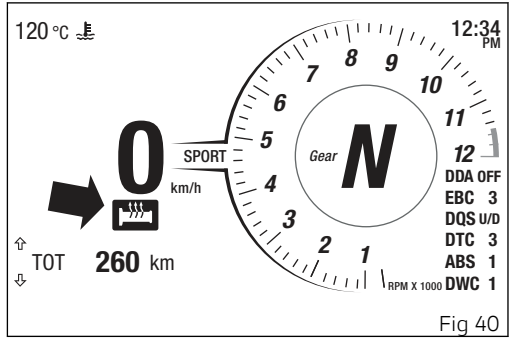


Fig 40

SETTING MENU

This menu allows enabling, disabling and setting some motorcycle functions.

For safety reasons, you can enter this Menu only when the actual vehicle speed is lower than or equal to 5 km/h (3 mph).
If you are inside the SETTING MENU and the speed exceeds 5 km/h (3 mph) the instrument panel automatically displays the main screen.

To enter, use the navigation buttons to select "SETTING MENU" option and press ENTER button.

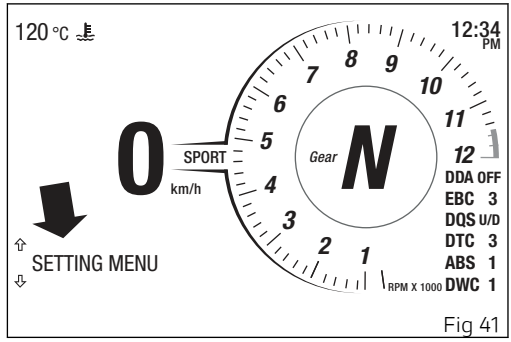


Fig 41

Important
For safety reasons, it is recommended to use this menu with the motorcycle at a standstill.

Once entered in the SETTING MENU the display changes the display mode.

The options available inside the menu are:
- Riding Mode
- Pin Code
- Lap
- Backlight
- Date and Clock
- Units
- Service
- Tire Calibration
- DRL Control – present only if the DRL lights are installed
- Bluetooth – present only if the Bluetooth module is installed
- DDA – present only if DDA is connected
- Turn Indicators
- Info

Use the navigation buttons to scroll through the available items.
After displaying the required function, press ENTER button to view the corresponding sub-menu.
Select "Back" option and press ENTER button to quit any sub-menu.



Fig 42

Select "Exit" and press ENTER button to quit the SETTING MENU.

SETTING MENU - Riding Mode

All settings of every riding mode can be customised.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- The following options will be displayed in this menu: “Race”, “Sport”, “Street”, “All Default” (visible only if one or more parameters of one or more Riding Modes are different from the default ones).
- Select the required option and press ENTER button.

The parameters that can be customised for every riding mode are the following: Engine, DTC, ABS, DWC, EBC and DQS.
All set values are stored and remain in the memory also after key off.

Attention

Changes should only be made to the parameters by people who are experts in motorcycle set-up. If the parameters are changed accidentally, use the "Default" function to restore factory settings.



Fig 43

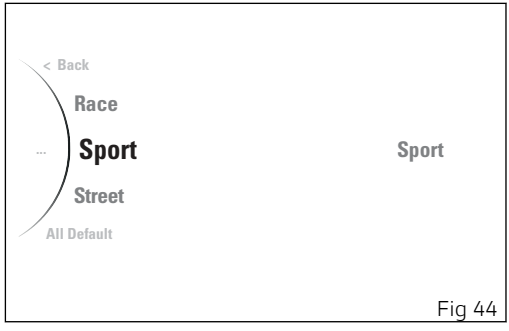


Fig 44

SETTING MENU - Riding Mode - Engine

This function customises engine power associated with each riding mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the required Riding Mode and press ENTER button.
- Select the "Engine" option and press ENTER button.

When entering the function, the display shows available customised settings - “High”, “Medium”, “Low” - on the left side and current setting on the right side.
The bike profile is also displayed with the trigger zone highlighted, and a chart containing reference information.
Use the navigation buttons to select the required level and press ENTER button to confirm.

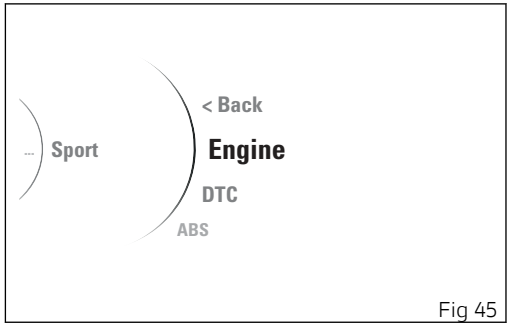


Fig 45

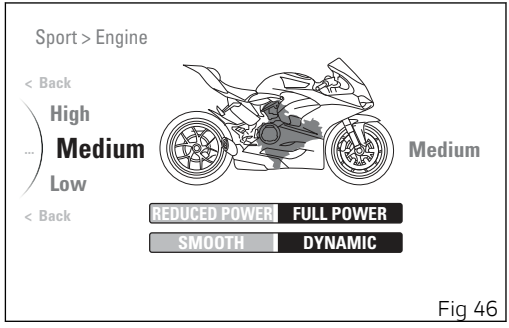


Fig 46

SETTING MENU - Riding Mode - DTC

This function disables or sets DTC level for the selected riding mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the required Riding Mode and press ENTER button.
- Select the "DTC" option and press ENTER button.

When entering the function, the display shows available customised settings (level “1” to “8” and “Off”) on the left side and current setting on the right side.
The bike profile is also displayed with the trigger zone highlighted, and a chart containing reference information.
Use the navigation buttons to select the required level and press ENTER button to confirm.

Note
When DTC is set to “Off”, also the DWC will be set to “Off”.

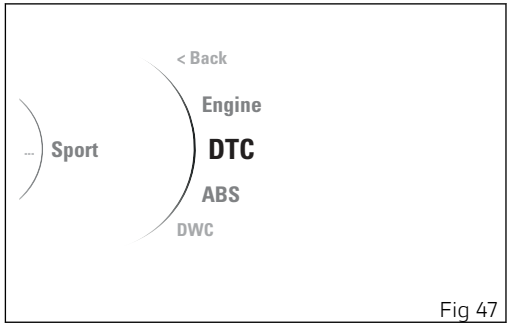


Fig 47

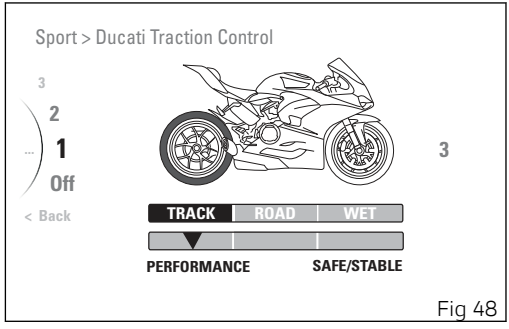


Fig 48

SETTING MENU - Riding Mode - ABS

This function sets ABS level for the selected riding mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the required Riding Mode and press ENTER button.
- Select the "ABS" option and press ENTER button.

When entering the function, the display shows available customised settings (level “1” to “3”) on the left side and current setting on the right side.
The bike profile is also displayed with the trigger zone highlighted, and a chart containing reference information.
Use the navigation buttons to select the required level and press ENTER button to confirm.

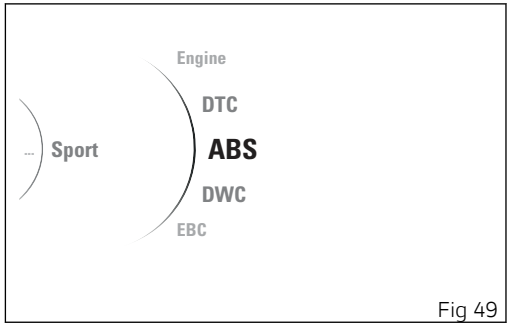


Fig 49

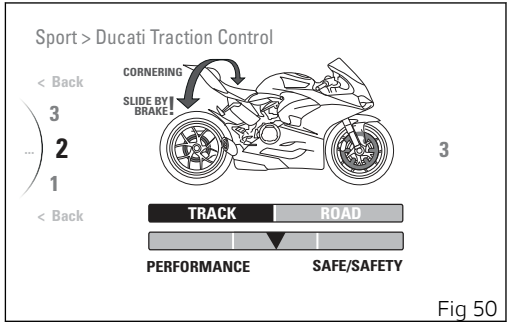


Fig 50

SETTING MENU - Riding Mode - DWC

This function disables or sets DWC level for the selected riding mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the required Riding Mode and press ENTER button.
- Select the "DWC" option and press ENTER button.

When entering the function, the display shows available customised settings (level “1” to “4” and “Off”) on the left side and current setting on the right side.
The bike profile is also displayed with the trigger zone highlighted, and a chart containing reference information.
Use the navigation buttons to select the required level and press ENTER button to confirm.

Note
If the DTC is set to “Off”, the DWC can not be changed and is forced to “Off”. This means that the DWC menu is not available.

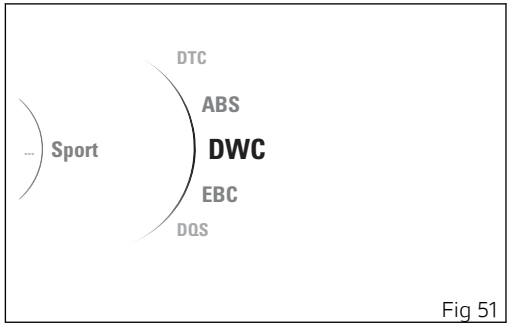


Fig 51

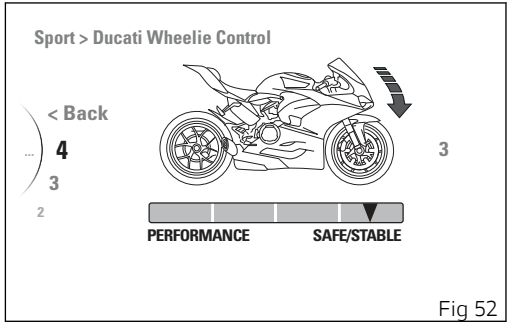


Fig 52

SETTING MENU - Riding Mode - EBC

This function sets EBC level for the selected riding mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the required Riding Mode and press ENTER button.
- Select the "EBC" option and press ENTER button.

When entering the function, the display shows available customised settings (level “1” to “3”) on the left side and current setting on the right side.
The bike profile is also displayed with the trigger zone highlighted, and a chart containing reference information.
Use the navigation buttons to select the required level and press ENTER button to confirm.

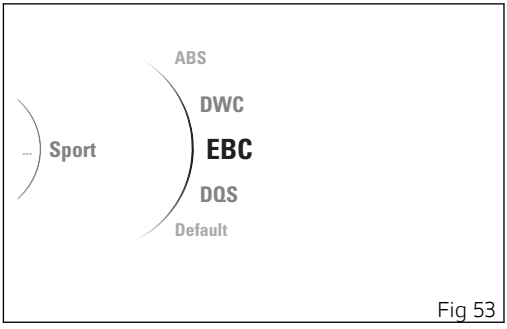


Fig 53

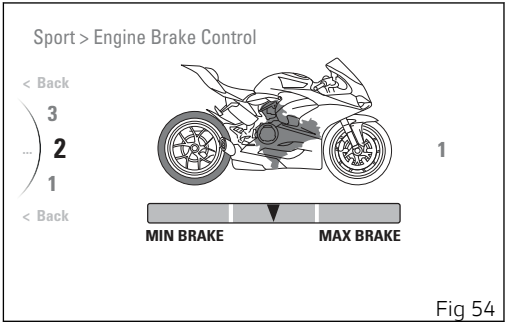


Fig 54

SETTING MENU - Riding Mode - DQS

This function disables or sets DQS level for the selected riding mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the required Riding Mode and press ENTER button.
- Select the "DQS" option and press ENTER button.

When entering the function, the display shows available customised settings ("Up/Down" and "Off") on the left side and current setting on the right side. The bike profile is also displayed, with the trigger zone highlighted.
Use the navigation buttons to select the required level and press ENTER button to confirm.

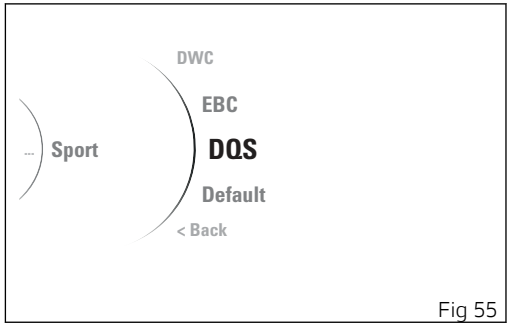


Fig 55

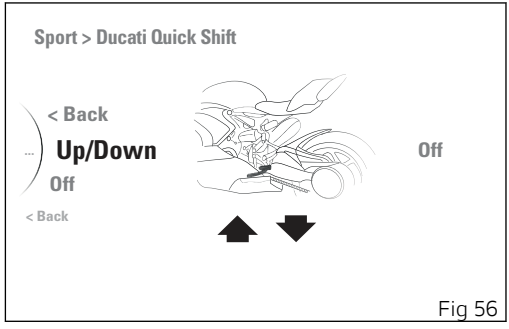


Fig 56

SETTING MENU - Riding Mode - Default

This function restores all parameters for a single riding mode and is only available if one or more parameters have been previously modified, compared to factory settings.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the required Riding Mode and press ENTER button.
- Select the "Default" option and press ENTER button to set all parameters to default values.

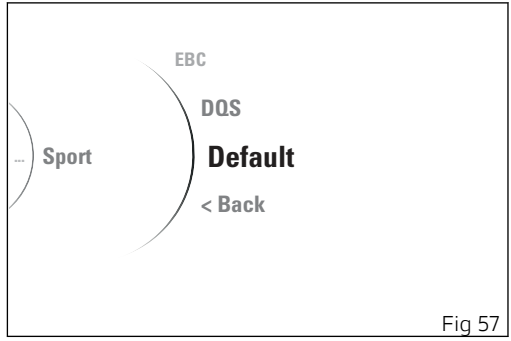


Fig 57

SETTING MENU - Riding Mode - All Default

This function restores all parameters for all riding modes and is only available if one or more parameters have been previously modified, in one or more riding modes, compared to factory settings.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Riding Mode" option and press ENTER button.
- Select the "All Default" option and press ENTER button to set all parameters to default values.

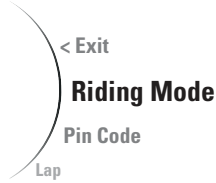


Fig 58



Fig 59

SETTING MENU - Pin Code

This function allows the user to activate or modify the Pin Code.
The Pin Code is initially not present in the motorcycle, it must be activated by the user by entering his/her 4-digit PIN in the instrument panel, otherwise the motorcycle cannot be started temporarily in the case of a malfunction.
In order to temporarily start the motorcycle in case of malfunction, please refer to the procedure called “Restoring motorcycle operation via the Pin Code”.

Attention

The Pin Code must be activated and stored by the vehicle owner. If a Pin Code is already set, please contact your Ducati authorised dealer to reset it. The Ducati authorised dealer may ask you to demonstrate that you are the owner of the motorcycle.

- Enter the SETTING MENU.
- use the navigation buttons to select "Pin Code" option and press ENTER button.

If the Pin Code has never been activated, this menu will include “New Pin” item to activate it. While if the Pin Code has already been activated, this menu will include “Modify Pin” item, which allows modifying the already stored pin.



Fig 60

New Pin

- Enter the SETTING MENU.
- Select the "Pin Code" option and press ENTER button.
- Select the "New Pin" option (Fig 61) and press ENTER button.

The display shows the message “New Pin” and the spaces to enter the four digits of the new pin (Fig 62). The two arrows above and below the first digit give the possibility to set it. Entering the code:

- Use UP and DOWN buttons to increase and decrease by 1 the value from “0” to “9”.
- Press ENTER button to confirm the digit and move on to the following digit.
- Repeat the procedure until entering all 4 digits.



Fig 61

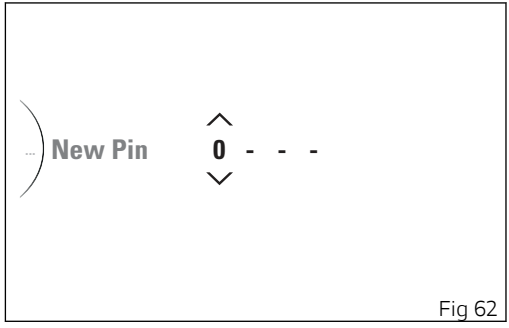


Fig 62

Once the fourth and last digit is set, press ENTER and the orange message "Memory" will be displayed. Press again ENTER to store the entered code: green "Memorized" indication will be displayed for 2 seconds.
The instrument panel will display again the Pin Code home menu, and show “Modify Pin” instead of “New Pin” option.

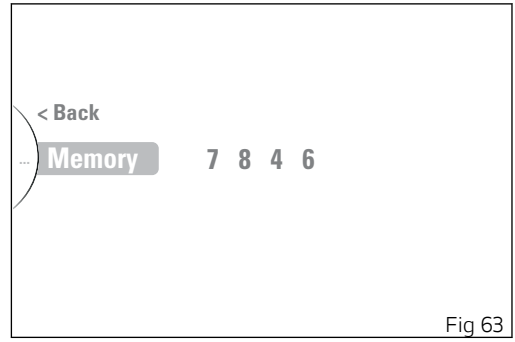


Fig 63

Modify Pin

- Enter the SETTING MENU.
- Select the "Pin Code" option and press ENTER button.
- Select the "Modify Pin" option (Fig 64) and press ENTER button.

The display shows the message “Old Pin” and the spaces to enter the four digits of the old pin (Fig 62). The two arrows above and below the first digit give the possibility to set it. Entering the code:

- Use UP and DOWN buttons to increase and decrease by 1 the value from “0” to “9”.
- Press ENTER button to confirm the digit and move on to the following digit.
- Repeat the procedure until entering all 4 digits.

Once the fourth digit is set, press ENTER and the instrument panel behaviour will be as follows:

- if the pin code is not correct, the instrument panel displays “Wrong” highlighted in red for 2 seconds and then goes back to previous screen, to allow you to try again;
- if the pin code is correct, the instrument panel shows “Correct” highlighted in green for 2 seconds, and then displays the page for entering

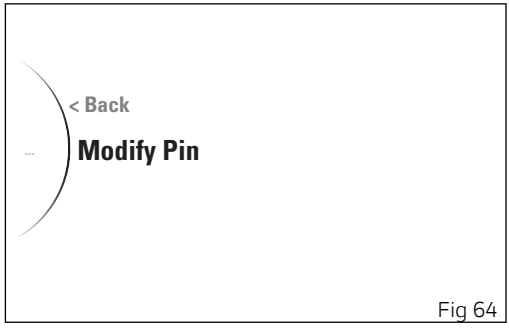


Fig 64

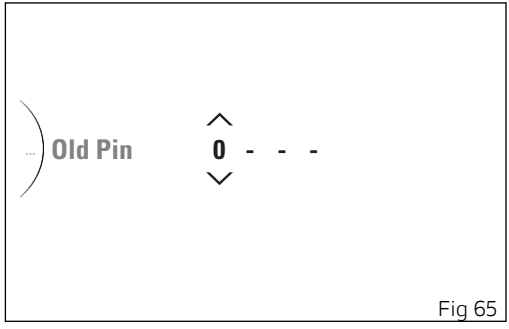


Fig 65

the new Pin Code. In this case, refer to description under “New Pin” sub-paragraph, to enter a new code.

SETTING MENU - Lap

This function allows enabling or disabling the LAP function and view the recorded lap times.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Lap" option and press ENTER button.

Displayed items within this menu are “On” or “Off”, “Lap Data”, “Erase All” (visible only if one or more laps are stored), while function current status is on the RH side.
Select the desired indication and press ENTER button to activate the relevant function:

- "On" to enable the LAP function.
- "Off" to disable the LAP function.
- “Lap Data” to view the stored laps.
- “Erase All” to delete all stored laps.

Any time the key is turned on, the Lap function is set to “Off”.

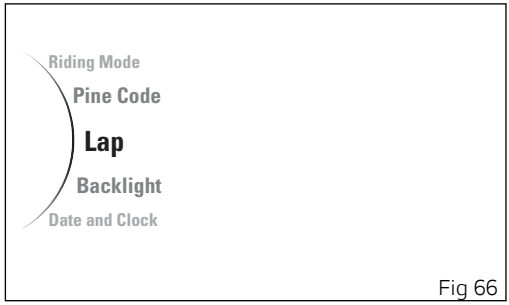


Fig 66

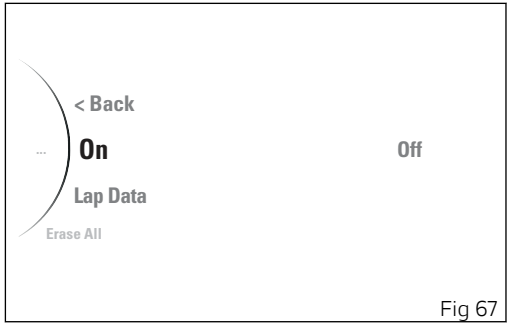


Fig 67

Lap Data

- Enter the SETTING MENU.
- Use the navigation buttons to select "Lap" option and press ENTER button.
- Select the "Lap Data" option and press ENTER button.

Stored lap and data concerning selected lap are listed.
It is possible to scroll through the listed laps using the navigation buttons.
Data available for each lap are:

- Recorded time.
- Maximum reached speed.
- Maximum reached rpm.
- Maximum leaning angle.
- Maximum yaw angle.

Select “Best Lap” option to view best lap time data. If there are no memorised LAPs, the instrument panel will show “No Lap”.

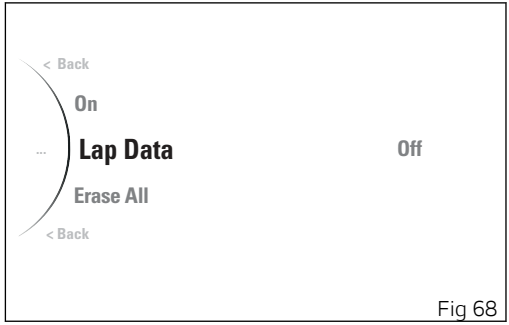


Fig 68

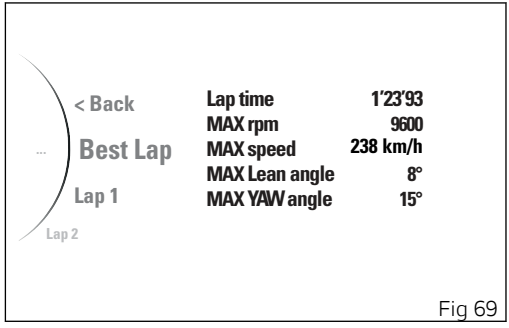


Fig 69

Erase All

- Enter the SETTING MENU.
- Use the navigation buttons to select "Lap" option and press ENTER button.
- Select “Erase All” option and press ENTER button to delete all stored laps. The message “Wait...” is displayed for 1 second and then “Erase Ok” for 1 second, to indicate deletion result.

Note

If the memory erasing procedure is started when the Lap function is active, the instrument panel will disable the function.

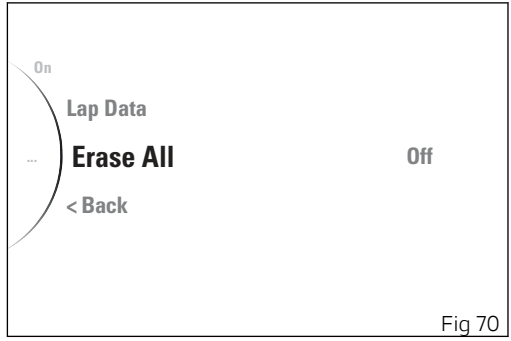


Fig 70

SETTING MENU - Backlight

This function allows setting the display day or night mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Backlight" option and press ENTER button.

Displayed items within this menu are "Day", "Night" and "Auto", while function current status is on the RH side.

Select the required option and press ENTER button.

- “Day” to set the white background, recommended with significant ambient light.
- “Night” to set the black background, recommended with poor ambient light or in the dark.
- “Auto” (default setting) to automatically set the background colour according to the ambient light.

Note

In case of battery disconnection, the backlighting "Auto" mode is automatically set.

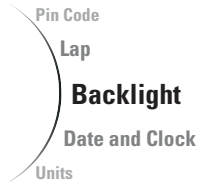


Fig 71

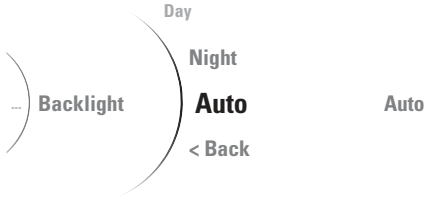


Fig 72

SETTING MENU - Date and Clock

This function allows setting date and time.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Date and Clock" option and press ENTER button.

This menu includes “Date” and “Clock” options, while currently set date and time are displayed at the centre.
Select the required option and press ENTER button.

Note

If the date or time have never been set, a string of dashes “-” is displayed instead of the corresponding values.
Date and time must be set again after battery disconnection.

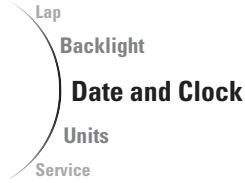


Fig 73

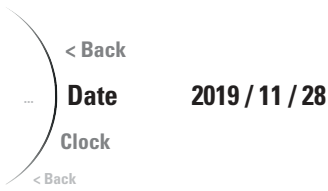


Fig 74

Date (date setting)

- Enter the SETTING MENU.
- Use the navigation buttons to select "Date and Clock" option and press ENTER button.
- Select the "Date" option and press ENTER button.
- “Set...” is displayed on the right side while the year flashes at the centre. Set the year using the UP or DOWN buttons.
- Press ENTER button to confirm the year.
- The month flashes. Set the month using the UP or DOWN buttons.
- Press ENTER button to confirm the month.
- The day flashes. Set the day using the UP or DOWN buttons.
- Press ENTER button to confirm the day and save set date.
  If date is not correct, the instrument panel will display "Wrong" for 3 seconds and then it will automatically go back to setting the year and repeat date setting.

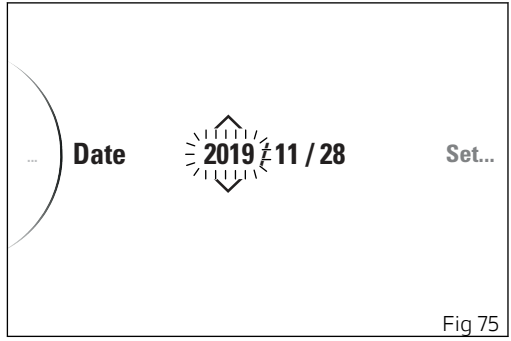


Fig 75

Clock (time setting)

- Enter the SETTING MENU.
- Use the navigation buttons to select "Date and Clock" option and press ENTER button.
- Select the "Clock" option and press ENTER button.
- “Set...” is displayed on the right side while “AM” or “PM” flashes at the centre. Set the parameter using the UP or DOWN buttons.
- Press ENTER button to confirm.
- The hour flashes. Set the hour using the UP or DOWN buttons.
- Press ENTER button to confirm.
- The minutes flash. Set the minutes using the UP or DOWN buttons.
- Press ENTER button to confirm and save set time.

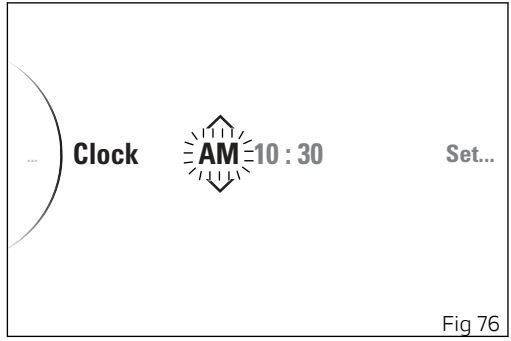


Fig 76

SETTING MENU - Units

This function allows setting the units of measurement used by the instrument panel.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Units" option and press ENTER button.
- The following options will be displayed in this menu: “Speed”, “Temperature”, “Consumption”, “All Default” (visible only if one or more parameters are different from the default ones).
- Select the required option and press ENTER button.

Note

When changing the units of measurement, except the temperature, the functions TRIP 1, TRIP 2, CONS. AVG 1, SPEED AVG 1 and TRIP TIME 1 are automatically reset.

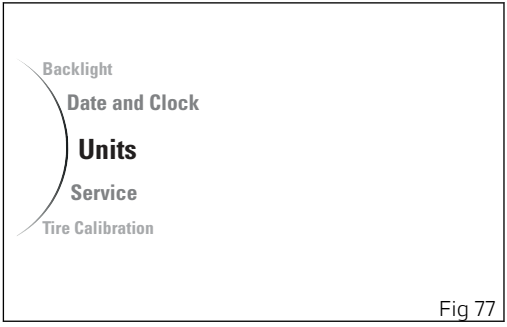


Fig 77

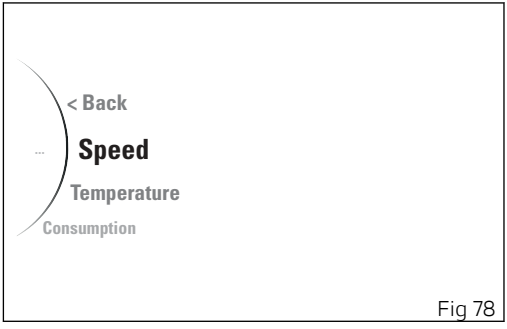


Fig 78

Speed

- Enter the SETTING MENU.
- Use the navigation buttons to select "Units" option and press ENTER button.
- Select the "Speed" option and press ENTER button.
- Options “km/h”, “mph” and “Default” are listed (visible only if currently set unit of measurement is not the default one). The currently set unit of measurement is shown on the right-hand side of the display.
- Using the navigation buttons, it is possible to select the desired unit of measurement or the “Default” option to restore the default unit of measurement.
- Press ENTER button to confirm.

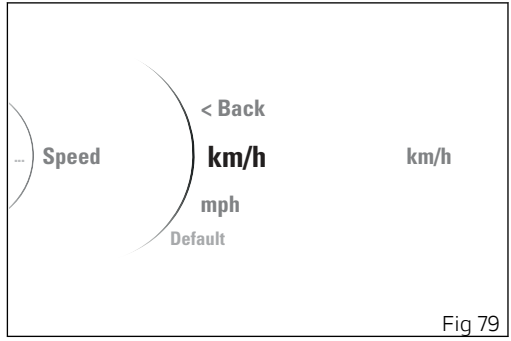


Fig 79

Temperature

- Enter the SETTING MENU.
- Use the navigation buttons to select "Units" option and press ENTER button.
- Select the "Temperature" option and press ENTER button.
- Options “°C”, “°F” and “Default” are listed (visible only if currently set unit of measurement is not the default one). The currently set unit of measurement is shown on the right-hand side of the display.
- Using the navigation buttons, it is possible to select the desired unit of measurement or the “Default” option to restore the default unit of measurement.
- Press ENTER button to confirm.

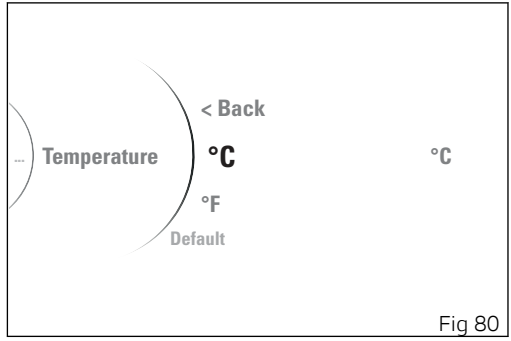


Fig 80

Consumption

- Enter the SETTING MENU.
- Use the navigation buttons to select "Consumption" option and press ENTER button.
- Select the "Temperature" option and press ENTER button.
- Options “l/100”, “km/l”, “mpg UK”, “mpg US” and “Default” are listed (visible only if currently set unit of measurement is not the default one). The currently set unit of measurement is shown on the right-hand side of the display.
- Using the navigation buttons, it is possible to select the desired unit of measurement or the “Default” option to restore the default unit of measurement.
- Press ENTER button to confirm.

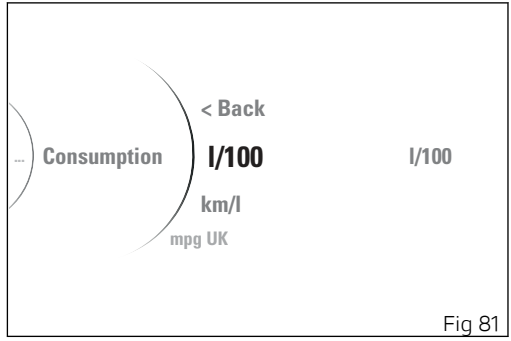


Fig 81

SETTING MENU - Service

This function allows displaying next Services.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Service" option and press ENTER button.
- The display shows the information concerning the following Service types:
  - Oil Service (remaining mileage)
  - Desmo Service (remaining mileage)
  - Annual Service (date)

This function does not allow any kind of changes. Press ENTER button to quit.

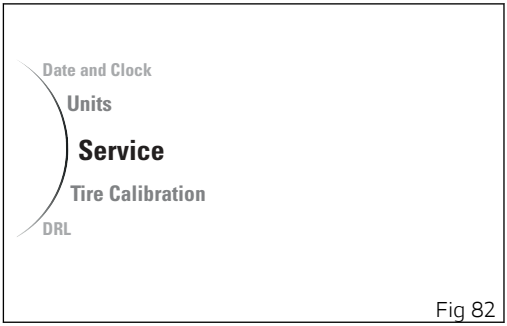


Fig 82

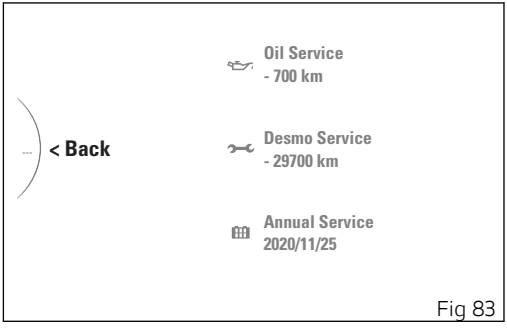


Fig 83

SETTING MENU - Tire Calibration

This function allows the user to run the procedure for calibrating and teaching in the tyre rolling circumference and final drive ratio.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Tire Calibration" option and press ENTER button.

This menu includes the options "Start" and "Default" (visible only if user set a calibration different from the default one).
Select the required option and press ENTER button.

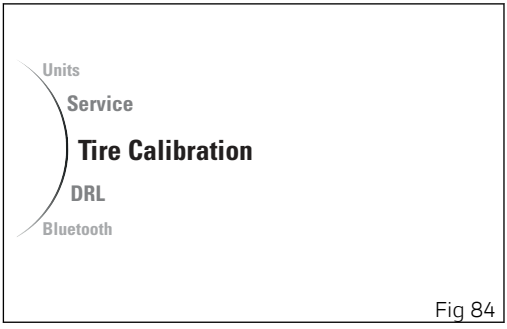


Fig 84

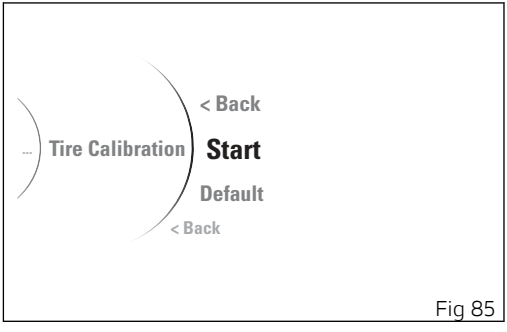


Fig 85

Start

- Enter the SETTING MENU.
- Use the navigation buttons to select "Tire Calibration" option and press ENTER button.
- Select the "Start" option and press ENTER button.

When the calibration procedure starts, the instrument panel displays the message "Ready" flashing, the message "Keep Speed" with speed range and the gear to be maintained by the user to complete the teach-in procedure. On the RH side is the reference Riding Mode, current speed and gear engaged.

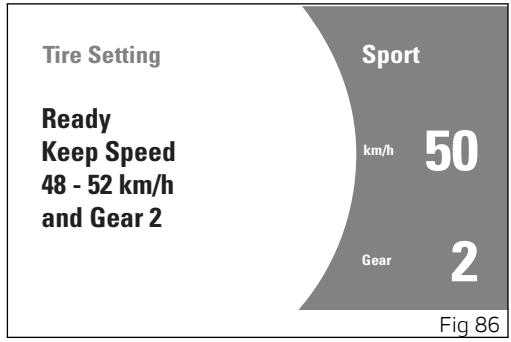


Fig 86

Important

The teach-in procedure is allowed only at a vehicle speed between 48 Km/h (30 mph) and 52 Km/h (32 mph) in the 2rd gear.

When the rider complies with the required conditions of speed and gear indicated, the instrument panel starts system calibration: all previous information will be displayed showing "In progress" instead of "Ready".
Calibration is performed by keeping speed and gear within the indicated range for 5 seconds.

The procedure can be aborted by holding depressed the UP button for 2 seconds: in this case the instrument panel shows displays all previous information, replacing message "In progress" with message "Aborted", followed by the previous menu after a few seconds.

If the teach-in procedure is completed correctly, the instrument panel shows “Completed” followed by the previous menu after a few seconds.

If the calibration procedure is aborted by the user, the instrument panel shows “Aborted” followed by the previous menu after a few seconds.
If, on the other hand, an error or malfunction occurs during the calibration procedure, the instrument panel shows “Failed” followed by the previous menu after a few seconds.



Note
During the calibration procedure, the procedure will stop if the vehicle speed exceeds 100 km/h (62 mph) or the key is turned off.

Default

- Enter the SETTING MENU.
- Use the navigation buttons to select "Tire Calibration" option and press ENTER button.
- Select the "Default" option and press ENTER button to restore default values.
- The message "Default Please Wait.." is displayed and after a while "Default Ok" for 2 seconds, then followed by the previous menu.

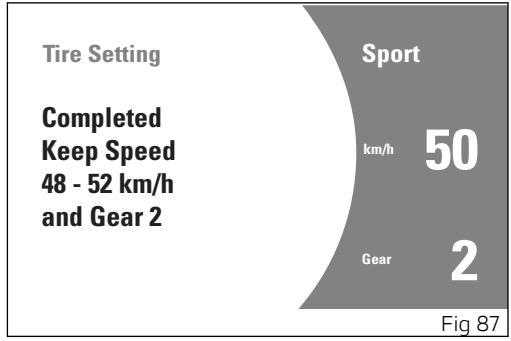


Fig 87

SETTING MENU - DRL

This function allows user to set the DRL lights in automatic or manual mode.

- Enter the SETTING MENU.
- Use the navigation buttons to select "DRL" option and press ENTER button.

Displayed items within this menu are "Auto" and "Manual", while function current status is on the RH side.
Select the required option and press ENTER button.

Note
In case of battery disconnection, the "Auto" mode is automatically set.



Fig 88

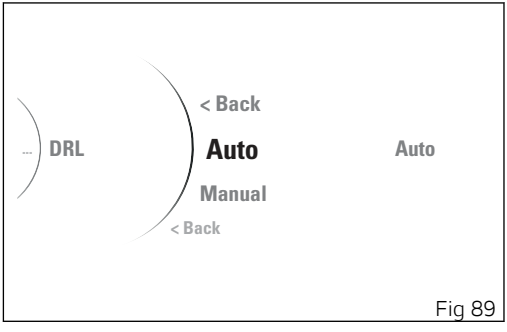


Fig 89

SETTING MENU - Bluetooth

This function allows the user to manage any paired Bluetooth devices and add more. This function is only available if the Bluetooth module is installed to the bike.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Bluetooth" option and press ENTER button.

This menu includes the "Associated Devices" option to view and delete any paired devices and the "Pairing" option to pair a new device.
Select the required option and press ENTER button.



Fig 90

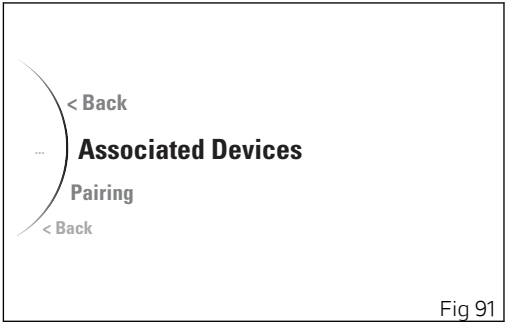


Fig 91

Associated Devices

This function allows viewing and erasing paired devices.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Bluetooth" option and press ENTER button.
- Select the "Associated Devices" option and press ENTER button.
- All paired devices are listed. Select the required device and press ENTER button.
- The message "Delete" is displayed, select it and press ENTER button to delete the selected device from the list.
- The message "Wait..." is displayed for a few seconds, then the instrument panel displays the previous menu.

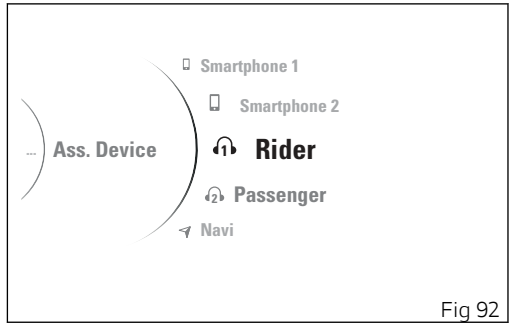


Fig 92

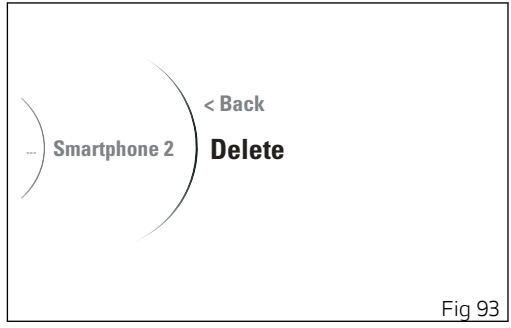


Fig 93

Pairing

This function allows pairing a new Bluetooth device. The instrument panel manages 4 types of Bluetooth devices and a maximum of 5 devices paired and/or connected: 2 smartphones, 1 rider earphone, 1 passenger earphone, 1 navigator.

Note

Before pairing a new device, make sure that its Bluetooth connection is active and that it can be detected by other Bluetooth devices. Always refer to the provisions under the device instructions.

Note

During the pairing procedure user may be required to confirm it directly on the device (e.g. smartphone). Refer to the device messages.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Bluetooth" option and press ENTER button.
- Select the "Pairing" option and press ENTER button.
- The list of the 4 types of devices that can be managed by the instrument panel is displayed. Select type of device to be paired and press ENTER button.

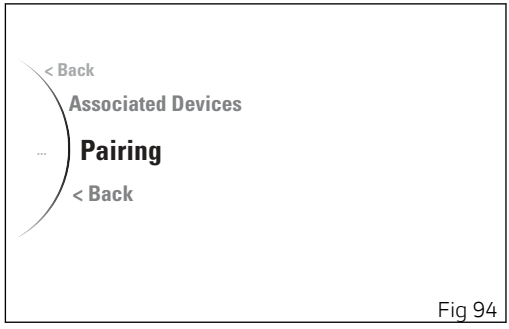


Fig 94

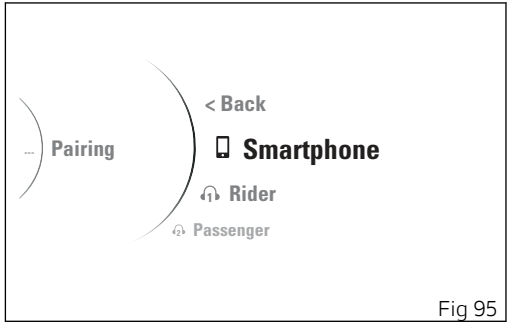


Fig 95

- The instrument panel starts searching for nearby Bluetooth devices, and displays the message "Wait..." followed by a list of detected devices.
- As soon as the search stage is over, system gives out a list of all detected devices. Use the navigation buttons to select the required device and press ENTER button.
- The display shows the message "Pairing..." on the right, while waiting validation by the Bluetooth device.
  If device pairing is successful, the display will show previous menu page. If not, the message "Pairing Error" is displayed and user is allowed to repeat the pairing procedure.

Attention

Ducati does not ensure a correct connection to the Ducati Multimedia System of Bluetooth navigators that are not provided in the following kits:

- Kit of Ducati Zumo satellite navigator 350
- Kit of Ducati Zumo satellite navigator 390
- Kit of Ducati Zumo satellite navigator 395

Note

The Ducati kits mentioned above can be purchased separately at a Ducati Dealer or Authorised Service Centre.

Attention

Bluetooth Headset device manufacturers may incorporate certain changes within the standard protocols over the course of the lifecycle of the device (Smartphones and Earphones).

Attention

These changes are outside the control of Ducati and may result in Bluetooth Headset devices functionality becoming impaired (sharing Music, multimedia player, etc.) and may equally affect some types of Smartphones (depending on supported Bluetooth profiles). This is why Ducati cannot guarantee multimedia player proper operation for:

- any earphones not coming with the "Ducati Kit part no. 981029498";
- any Smartphones not supporting the required Bluetooth profiles (even though paired to earphones coming with the "Ducati Kit part no. 981029498").

Attention

In case of interference or noise due to particular conditions of the external environment, the Ducati earphone kit part no. 981029498 also allows sharing the music being played directly from rider helmet to passenger helmet (for further details please refer to the manual of the earphones coming with the Ducati kit part no. 981029498).

Note

The Ducati kit part no. 981029498 can be purchased separately at a Ducati Dealer or Authorised Service Centre.

SETTING MENU - DDA

This function allows you to enable and disable the DDA, view the percentage of memory used and to delete data stored in the DDA memory.

- Enter the SETTING MENU.
- Use the navigation buttons to select "DDA" option and press ENTER button.

Displayed items within this menu are "Off", "On" and "Memory", while function current status is on the RH side.
Select the required option and press ENTER button.

Note
The DDA is automatically disabled by the instrument panel upon every Key-OFF.

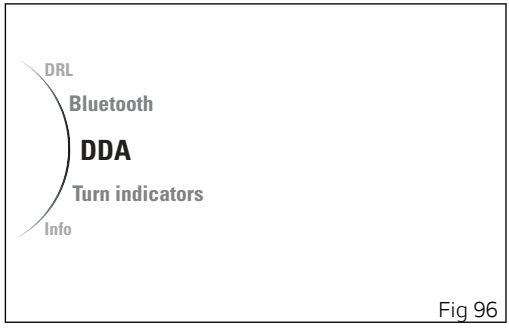


Fig 96

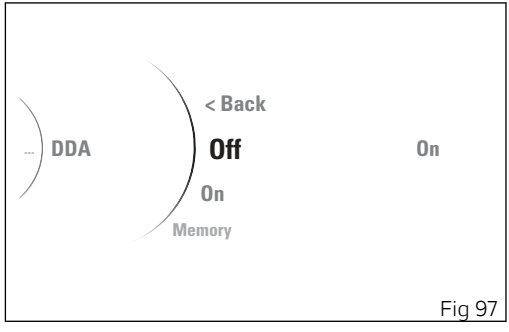


Fig 97

Memory

This function allows viewing and erasing DDA stored information.

- Enter the SETTING MENU.
- Use the navigation buttons to select "DDA" option and press ENTER button.
- Select the "Memory" option and press ENTER button.

When opening the function, the message "Empty" will be displayed if memory is empty. If not, memory status is displayed as a percentage and a progress bar, together with item "Erase". The message "Full" will be displayed if memory is full.
Select "Erase" option and press ENTER button to delete all stored data.

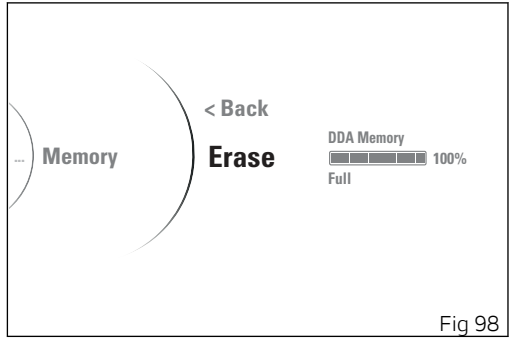


Fig 98

SETTING MENU - Turn indicators

This function allows user to set the turn indicators to automatic mode or manual mode.
The turn indicator automatic switch-off strategy is implemented based on calculation of leaning angle, vehicle speed and run distance.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Turn indicators" option and press ENTER button.

Displayed items within this menu are "Auto" and "Manual", while function current status is on the RH side.
Select the required option and press ENTER button.

Note
In case of battery disconnection, the "Auto" mode is automatically set.

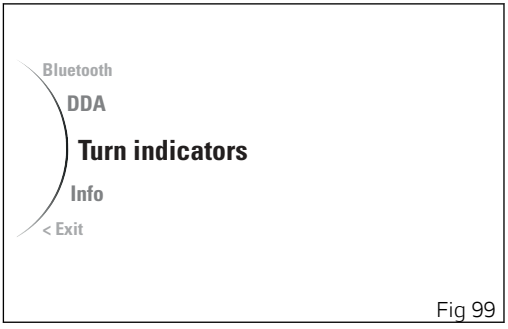


Fig 99

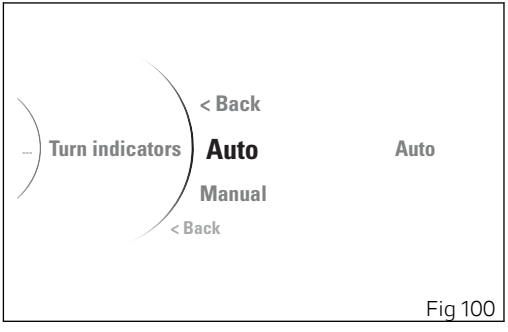


Fig 100

SETTING MENU - Info

This function allows viewing the vehicle battery voltage and the engine rpm digital indication.

- Enter the SETTING MENU.
- Use the navigation buttons to select "Info" option and press ENTER button.
- The display shows the information concerning the battery and engine rpm in a digital format.

This function does not allow any kind of changes. Press ENTER button to quit.

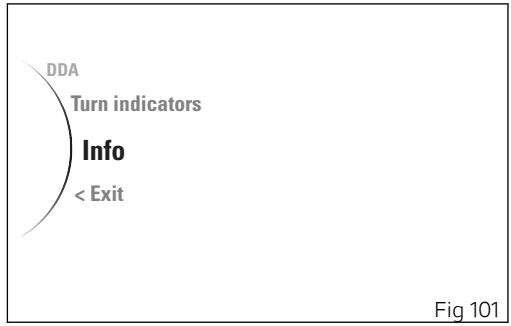


Fig 101

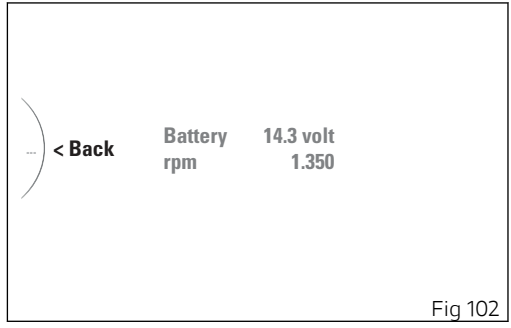


Fig 102

LAP Time

To activate the Lap function, refer to chapter "SETTING MENU - Lap".
When the Lap function is activated, the timer is displayed on the main screen indicating 0'00.00 as well as the lap number.

A maximum of 30 laps can be recorded and for each of them the instrument panel stores the following parameters:

- recorded time
- maximum reached speed
- maximum reached rpm
- maximum leaning angle
- maximum yaw angle

After reaching the 30th lap no more laps can be recorded: the message "Lap Full" is displayed.
To be able to record some more laps, it is necessary to delete the previously recorded lap times, please refer to chapter "SETTING MENU - Lap".

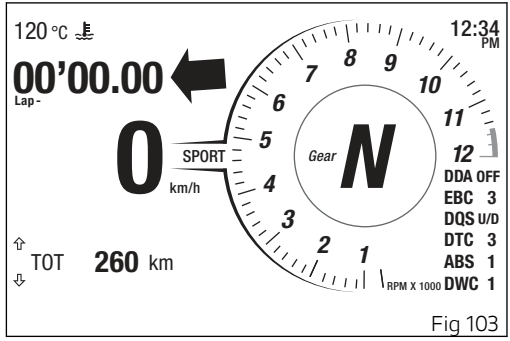


Fig 103

Lap time recording without GPS control unit

If there is no GPS control unit on the motorcycle, timer can be started after activating the LAP function to record lap times by pressing the FLASH button:

- When pressing FLASH once, both timer (that starts) and lap number will flash for 1 second.
- If pressing the FLASH button some more times, the just recorded time and lap will flash for 1 second and remain displayed for another 5 seconds; after this period of time the function displays again the timer and lap progressive number.

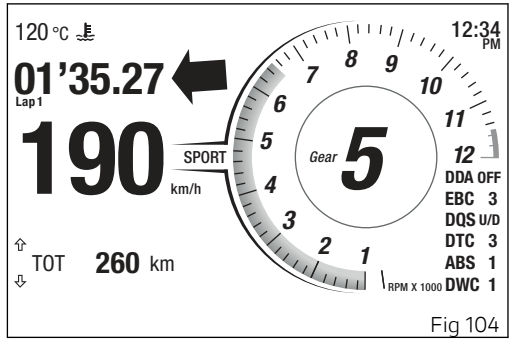


Fig 104

Note
The FLASH button is not considered if pressed within 5 seconds from when a new lap is recorded.

Lap time recording with GPS control unit

If there is a GPS control unit on the motorcycle, time recording is managed automatically by the instrument panel after activating the LAP function. The display shows GPS symbol (Fig 105) further to timer and lap number.

When lap one starts, press FLASH to start the timer: both timer (that starts) and lap number will flash for 1 second.

At the same time, the instrument panel stores finish-line coordinates via the GPS control unit and activates the logo "finish line" (Fig 106): all the following laps will be directly recorded by the instrument panel and the FLASH button is no longer used to manage the timer.

Any time the bike reaches the finish-line position as recorded by the instrument panel, the just recorded time and lap will flash for 1 second and remain displayed for another 5 seconds; after this period of time the function displays again the timer and lap progressive number.

Finish-line position can be changed by pressing the FLASH button again: the following lap times are then calculated with reference to the new finish-line coordinates.

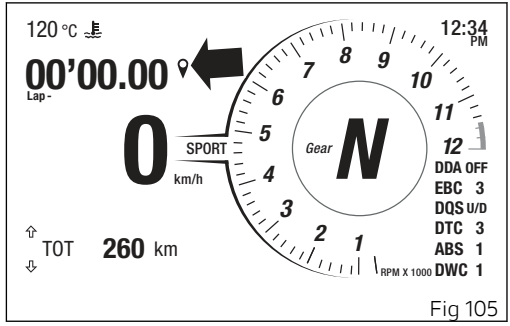


Fig 105

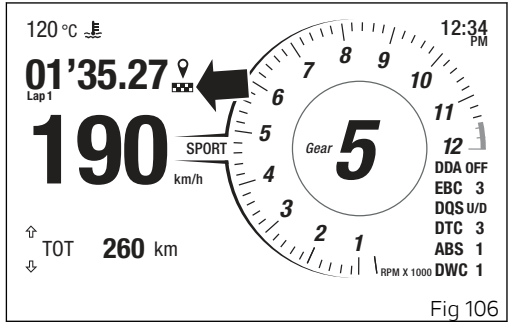


Fig 106

As soon as the finish-line position is saved, it is not possible to manually delete it from GPS memory. The only way is to move at least 15 km (9 mi) away from the memorised finish line.

Note
Any time you record a new lap time, if it is better than those previously memorised, the lap timer flashes quickly for 6 seconds. Best lap time is calculated only if at least 2 lap times have been recorded.

Note
While recording a lap time, timer will reset and restart if time exceeds 07'59.99.

Note
The timer stops and set to zero in the following cases:
- if bike speed is equal to 0 after 5 seconds from lap time recording start
- if key is turned off during lap time recording
- if vehicle speed drops below 5 km/h (3 mph)

Note
If no previously recorded lap times are present, lap counter is displayed with a dash "Lap –".

Note
If the LAP function is active, music player activation (PLAYER ON) will stop the LAP functions and set it to OFF.

Note
If music player is active (PLAYER ON) and is playing a song from the smartphone, LAP function activation will stop the player and set it to PLAYER OFF.

Infotainment

If the Bluetooth control unit is installed, the Bluetooth symbol is displayed on the instrument panel.
The instrument panel is equipped with an infotainment system that allows managing up to 4 types of devices connected via Bluetooth: smartphone, rider helmet intercom, passenger helmet intercom, satellite navigator. To pair or remove Bluetooth devices, refer to the chapter "SETTING MENU - Bluetooth". After connection, they are displayed as follows:

1) smartphone connected;
2) rider helmet intercom connected;
3) passenger helmet intercom connected;
4) rider helmet intercom connected and passenger helmet intercom associated;
5) rider helmet intercom associated and passenger helmet intercom connected;
6) rider and passenger helmet intercom connected;
7) Ducati GPS navigator connected.

Icons are light blue if the corresponding device is connected. They are grey if the corresponding device is paired but not connected.

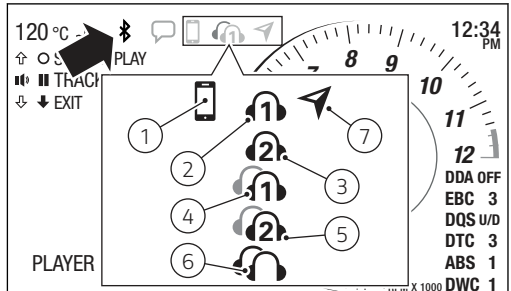


Fig 107

If a smartphone is connected to the instrument panel, the system allows managing the music player and the list of the last calls. Please refer to "PLAYER (OFF / ON)" and "LAST CALLS".
Below is a description of what the instrument panel will do in the following cases:

- Incoming call
- Call in progress
- Recall last number
- Missed call
- Message/e-mail received

Incoming call

When there is an incoming call, the display shows:

- the message "ACCEPT" (A)
- the name/number of the person calling (B)
- the message "DECLINE" (C)

When receiving a call, press the UP button to answer or the DOWN button to reject it.

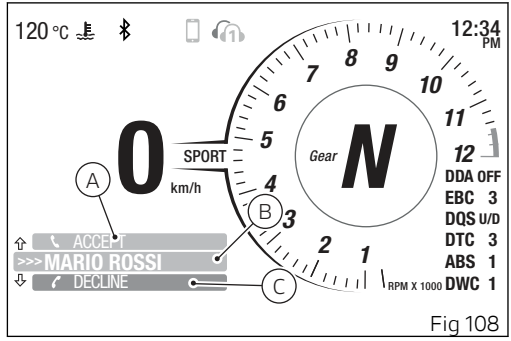


Fig 108

Call in progress

During a call, the instrument panel will display:

- "ACTIVE" indication (A)
- the name/number of the person calling preceded by ">>>" (B) when receiving a call, or preceded by "<<<" when making a call
- the message "END CALL" (C)

To end the call, press the DOWN button.

Note

If the rider helmet/intercom is connected in addition to the smartphone, the phone call will take place through the helmet headphones and microphone.

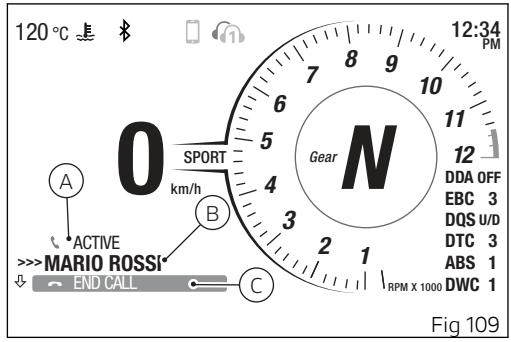


Fig 109

Recall last number

When a phone call is ended, missed or rejected, the instrument panel activates the RECALL function for 5 seconds that allows recalling the last number.
The display shows:

- the message “RECALL” (A)
- the name/number of the person calling preceded by “<<<” when making a call, or preceded by “>>>” when receiving a call (B)

Press the UP button to call the last name/number displayed.

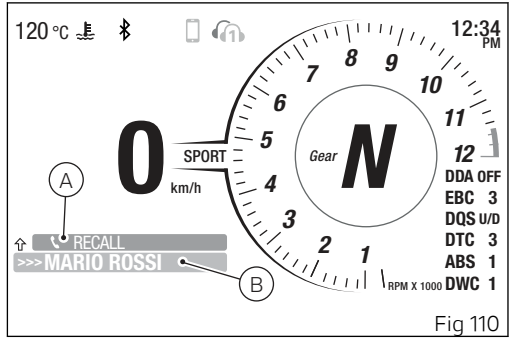


Fig 110

Missed call

In case of missed call, the display will show the symbol (A) for 60 seconds, flashing for the first 3 seconds.

Note

The number of missed calls is not displayed.

Message/e-mail received

In case of a received message or e-mail, the display will show the symbol (B) for 60 seconds, flashing for the first 3 seconds.

Note

The number of received messages or e-mails is not displayed.

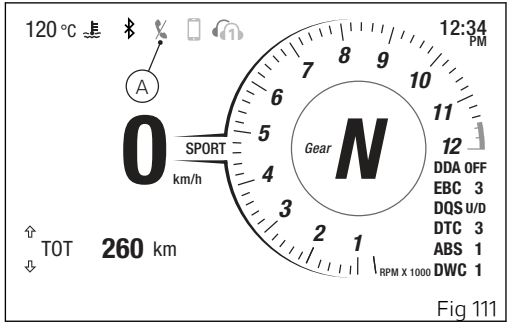


Fig 111

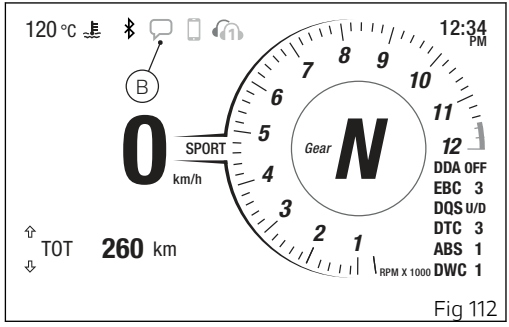


Fig 112

Light control

Low / High beam

At Key-On, the high beam and low beam lights are off; only the parking lights are turned on.
When the engine is started the low beam is automatically switched on. It is possible to switch from low to high beam and vice versa with button (7), positions (B) and (A), or flash with button (3). If engine is not started after turning the key to on, it is nevertheless possible to switch on the lights or flash. If within 60 seconds from the manual switching on of the low or high beam the engine is not started, the lights are turned off.

To preserve the motorcycle battery, if when starting the engine the high/low beams are on, the headlight is automatically switched off and then on again when the engine is started.

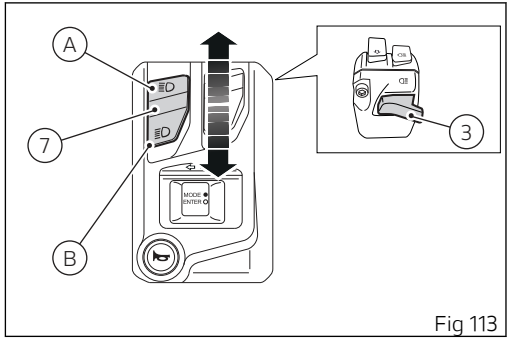


Fig 113

DRL in "Auto" mode – only for version with DRL lights

If the DRL was set to "Auto" via the "DRL" function within the SETTING MENU (see "SETTING MENU - DRL"), the instrument panel automatically manages the DRL and the low beam according to detected ambient light:

- if the instrument panel detects good light conditions (day) the DRL is turned on and the low beam is turned off;
- if the instrument panel detects poor light conditions (night) the DRL is turned off and the low beam is turned on.

When the DRL is set to AUTO mode, the display shows the warning light indicated in the figure.
If the DRL was set to "Auto" mode, press button (5, Fig 6) to disable that mode and set manual light management. Press again button (5, Fig 6) to re-enable DRL but with control strategy set to "Manual".
In this case, upon next Key-On, DRL will be again set to "Auto" mode.

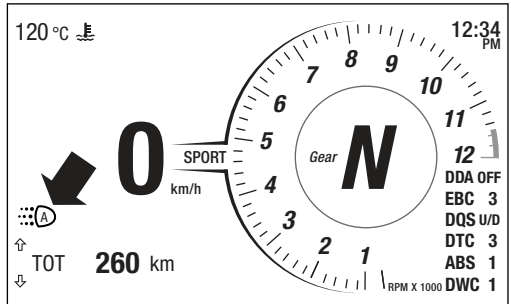


Fig 114

Attention

Using the DRL light in "Auto" mode in case of poor light conditions, especially in case of fog or clouds, could impair safety. In this case Ducati recommends to manually activate the low beam.

DRL in "Manual" mode – only for version with DRL lights

If the DRL lights are in this mode, as set through the "DRL" function within the SETTING MENU, DRL lights will not change their status upon key-on.
To switch on or off the DRL lights, it is necessary to press button (5, Fig 6).

Attention

Using the DRL lights in poor light conditions (dark) could compromise the riding visibility and dazzle anyone coming on the opposite lane.

Note

Using the DRL lights during the day improves visibility compared to low beam.

Turn indicators

The instrument panel manages the turn indicators in manual or automatic mode according to the setting of the “Turn indicators” function present within the SETTING MENU (see “SETTING MENU - Turn indicators”). The turn indicators are activated using the corresponding position of button (4, Fig 6).
Manual switch-off: after activating one of the two turn indicators, the user can deactivate them using button (4, Fig 6).
Automatic switch-off: the turn indicators switch off automatically after the turn, as calculated based on vehicle speed, lean angle and in general according to the analysis of vehicle dynamic conditions.
If the turn indicator switch is again operated, while turn indicator is still on, automatic switch-off feature is re-initialised.

Attention

The automatic deactivation systems are assist systems helping the rider control the turn indicators in the most comfortable and easy way. Such systems have been designed to work in most riding manoeuvres, nonetheless the rider must pay attention to the turn indicator operation (disabling or enabling them by hand if needed).

Hazard function (4 turn indicators)

The Hazard function turns all four turn indicators on at the same time to signal an emergency condition. This function is activated by pressing button (6, Fig 6).
When the Hazard function is active, all four turn indicators blink at the same time as well as the warning lights on the instrument panel.

If the Hazard function was activated upon key-on, the same function will remain active upon key-off: it will be automatically disabled after 120 minutes.
In Key-Off it is not possible to activate the Hazard function.

Note

If key is turned on while the "Hazard" function is active, the function remains active.

Note

If there is a sudden interruption in the battery while the function is active, the instrument panel will disable the function when the voltage is restored.

Note

The "Hazard" function has higher priority compared to normal operation of the single turn indicators, this means that, as long as it is active, it will not be possible to activate the single right or left turn indicators.

Parking function

Each time the key is turned off, it is possible to activate the parking lights by holding button (4, Fig 6) for a long time in the left turn indicator position.

Maximum time for activating the parking lights from key-off is 20 seconds.

DRL light mode indication

This function is available only if the DRL lights are installed and indicates if the DRL lights are set to “AUTO”.

Using the DRL function present within the SETTING MENU it is possible to change DRL lights control mode (see "SETTING MENU - DRL").

When the DRL lights are in "AUTO" mode, the instrument panel displays the warning light indicated in the figure.

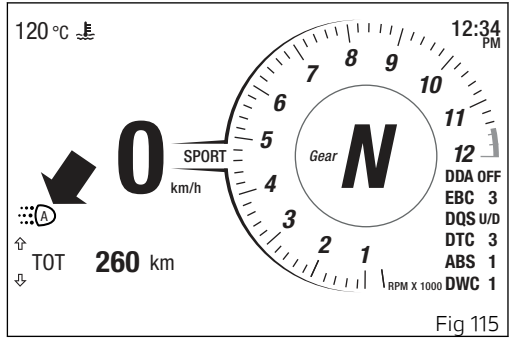


Fig 115

Side stand status indication

If side stand is down/open, the instrument panel shows icon "SIDE STAND on a red background.

If instrument panel does not receive side stand status, "SIDE STAND" icon will flash to indicate an undefined status.

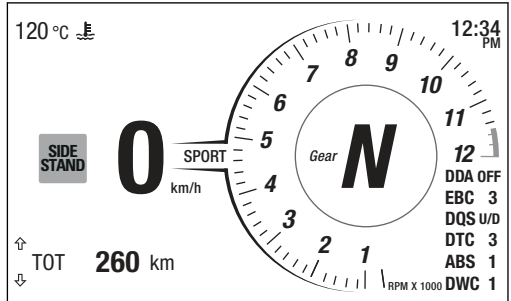


Fig 116

Service indication (SERVICE)

This indication shows the user that the motorcycle is due for service and must be taken to a Ducati Authorised Service Centre.
The service warning indication can be reset only by the Ducati Authorised Service Centre during servicing.
The types of maintenance operations are displayed in the area indicated in the figure and are as follows:

- OIL SERVICE countdown
- DESMO SERVICE countdown
- ANNUAL SERVICE countdown
- OIL SERVICE
- DESMO SERVICE
- ANNUAL SERVICE

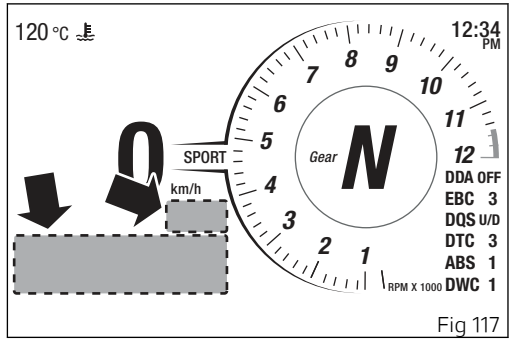


Fig 117

OIL SERVICE countdown, ANNUAL SERVICE countdown, DESMO SERVICE countdown

When the set service thresholds are close, the instrument panel activates the following yellow warnings for 5 seconds upon every Key-ON:

- The OIL SERVICE countdown warning (A) will activate when 1000 km (621 miles) are left before the OIL SERVICE is due.
- The ANNUAL SERVICE countdown warning (B) will activate 30 days before the ANNUAL SERVICE is due.
- The DESMO SERVICE countdown warning (C) will activate when 1000 km (621 miles) are left before the DESMO SERVICE is due.

It is possible to view the service deadlines through the "Service" function, within the SETTING MENU (see "SETTING MENU - Service").

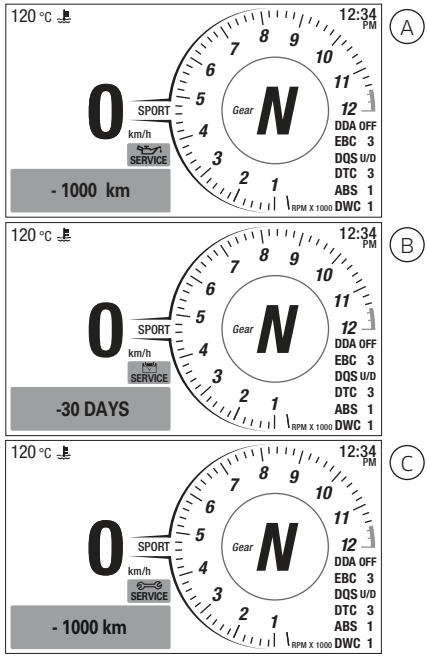


Fig 118

OIL SERVICE, ANNUAL SERVICE, DESMO SERVICE

When the service threshold is reached, the warning for the type of service required is triggered:

- OIL SERVICE (A);
- ANNUAL SERVICE (B);
- DESMO SERVICE (C).

Red service warning is displayed until reset by the Ducati authorised service centre, during maintenance.
It is possible to view the service deadlines through the "Service" function, within the SETTING MENU (see "SETTING MENU - Service").

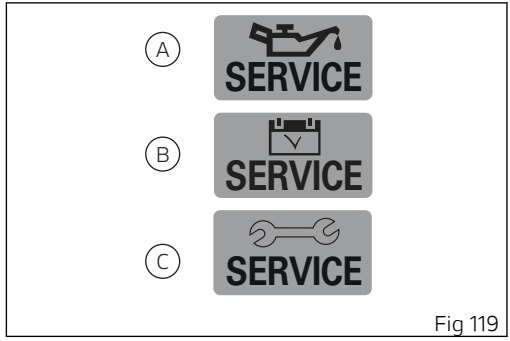


Fig 119

Error indication

The instrument panel manages error warnings in order to allow the rider to identify any abnormal motorcycle behaviour in real time.
Upon Key-On, in case of errors, the instrument panel turns on either the "MIL" light (A) (in case of errors directly connected to the engine control unit) or the "Generic Error" light (B) (in case of any other errors).
During normal operation, when an error is triggered, the instrument panel turns on the "MIL" light (A) or the "Generic Error" light (B).

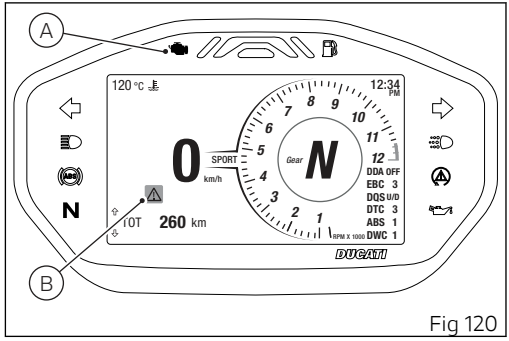


Fig 120

Attention

When one or more errors are displayed, always contact a Ducati Dealer or authorised Service Centre.

Warnings and alarms

The instrument panel manages a number of warnings and alarms, aimed at giving useful information to the rider during use.
Upon key-on, if there are any active warnings, the instrument panel will display the messages for all the present warnings of alarms: in a large size for the first 5 seconds and then in a smaller size.
When several warnings or alarms are active, they are displayed in a sequence, one every 3 seconds.

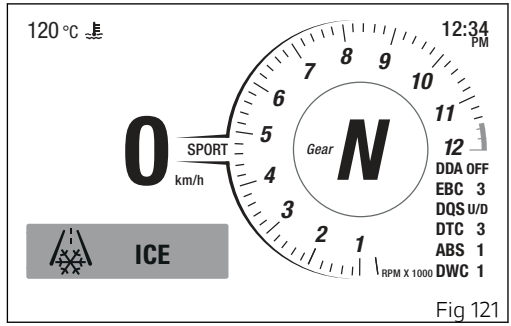


Fig 121

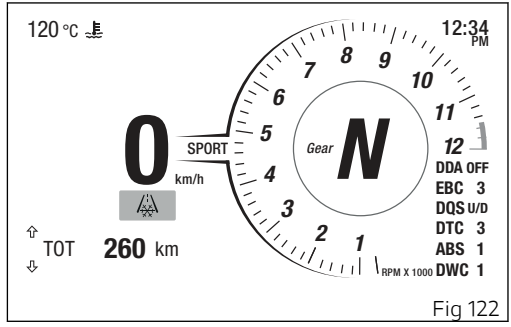


Fig 122

ICE

This warning means that there might be ice on the road, due to a low temperature.

Warning is activated when the instrument panel detects a temperature of 4°C (39°F) or lower than that. Warning will be disabled as soon as temperature rises up to 6°C (43°F).

Attention

This warning does not exclude the fact that there may be some ice on the road also if temperature is higher than 4 °C (39 °F). When the temperature is low, it is recommended to always ride with great care, especially on path sections not under the sun and/or bridges.

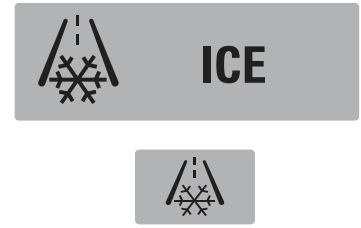


Fig 123

LOW BATTERY

This warning indicates that the vehicle battery voltage is low.

Warning is activated when battery voltage is lower than/equal to 11.0 Volt.

Note

In this case, Ducati recommends charging the battery in the shortest delay using the relevant equipment.

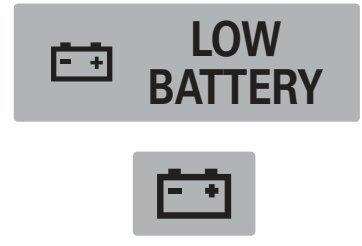


Fig 124

INSERT DATE

This warning indicates that the date must be entered using the "Date and Clock" function present within the SETTING MENU (see “SETTING MENU - Date and Clock”).

DDA FULL

This warning indicates that DDA memory is full and no more data can be stored (see “SETTING MENU - DDA”).

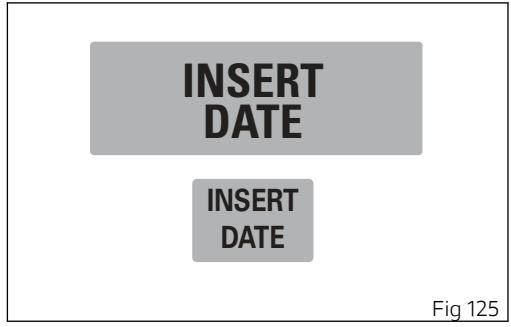


Fig 125

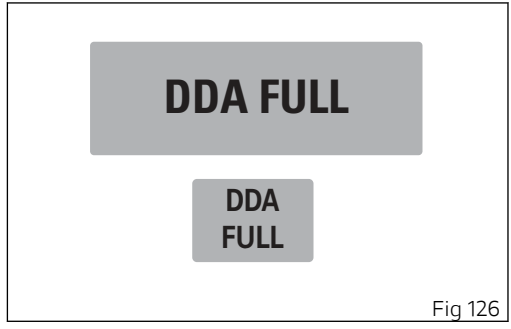


Fig 126

ABS FRONT ONLY
This warning indicates that it is necessary to ride carefully because the ABS setting in use only controls the front wheel braking.

Attention
In this case, Ducati recommends paying particular attention to the riding style and the braking mode.

NO KEY
This warning indicates that the key was not acknowledged.

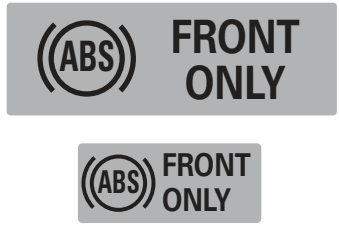


Fig 127

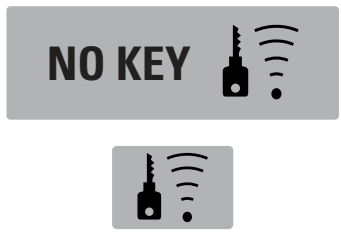


Fig 128

Keys

The motorcycle comes with 2 keys.
They contain the "Immobilizer system code".
The keys are those for the standard use, i.e. to:

- start the engine;
- open the fuel tank plug;
- open the seat lock.

Attention

Separate the keys and use only one of the two to ride the bike.

Duplicate keys

When a customer needs spare keys, he/she shall contact a Ducati authorised service centre and bring all keys he/she still has. The Ducati authorised service centre will program all new and old keys. The Ducati authorised service centre may ask to the customer to prove to be the motorcycle owner. The codes of the keys missing during the programming procedure will be erased to ensure that any lost key can not start the engine.

Note

If the motorcycle owner changes, it is necessary that the new owner is given all keys.

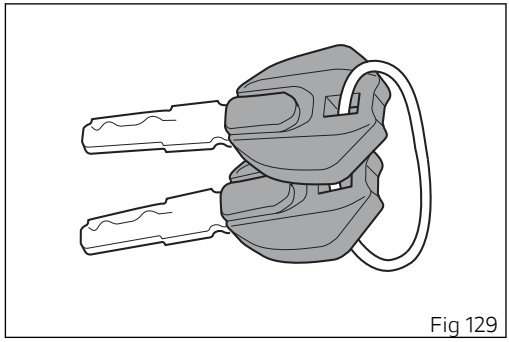


Fig 129

Immobilizer system

For improved anti-theft protection, the motorcycle is equipped with an IMMOBILIZER, an electronic system that inhibits engine operation whenever the ignition switch is turned off.
Housed in the handgrip of each ignition key is an electronic device that modulates an output signal. When the ignition is turned on this signal is generated by a special antenna incorporated in the switch and changes every time.
Such modulated signal represents the "password", that changes upon every starting, that allows the control unit to acknowledge the key and thus starting the engine.

Restoring motorcycle operation via the PIN CODE

In case of key acknowledgement system or key malfunction, the instrument panel allows the user to enter his/her own PIN code to temporarily restore motorcycle operation.
if the Pin Code function is active, the instrument panel displays “Insert Pin” with four spaces allowing the rider to enter digits of the Pin code to be entered: “0” and “- - -".

Entering the code:

- use UP and DOWN buttons to increase and decrease by 1 the value from “0” to “9”;
- press ENTER button to confirm the digit and move on to the following digit;
- repeat the procedure until entering all 4 digits.

Once the fourth digit is set, press ENTER and the instrument panel behaviour will be as follows:

- if there is a problem during the pin check, the instrument panel displays “Error” for 2 seconds and then passes to the standard screen.
- if the pin code is not correct, the instrument panel displays “Wrong” for 2 seconds and then goes back to previous screen, to allow you to try again.
- if the pin code is correct, the instrument panel shows "Correct" for 2 seconds, and then displays the standard screen.

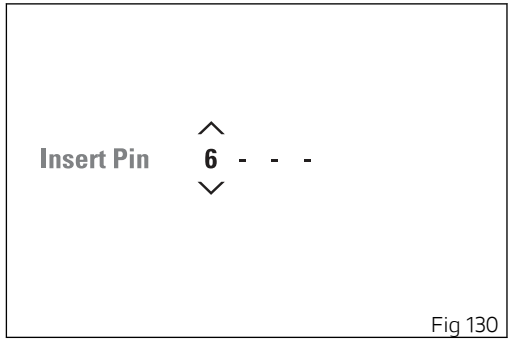


Fig 130

Important

If this procedure is necessary in order to start the motorcycle, contact an Authorised Ducati Service Centre as soon as possible to fix the problem.

Controls

Position of motorcycle controls

Attention
This section shows the position and function of the controls used to ride the motorcycle. Be sure to read this information carefully before you use the controls.

1) Instrument panel.
2) Key-operated ignition switch and steering lock.
3) Left-hand switch.
4) Clutch lever.
5) Right-hand switch.
6) Throttle twistgrip.
7) Front brake lever.
8) Rear brake pedal.
9) Gear change pedal.

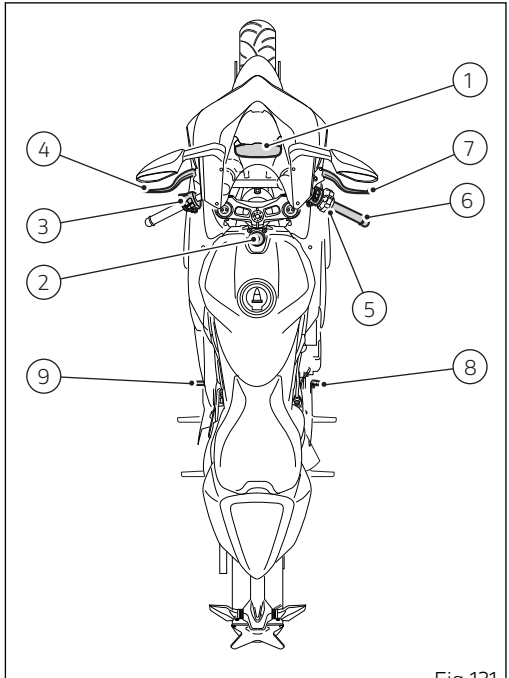


Fig 131

Ignition switch and steering lock

It is located in front of the fuel tank and has three positions:

A) ON: enables lights and engine operation;
B) OFF: disables lights and engine operation;
C) LOCK: the steering is locked.

Note

To move the key to the last position, press it down before turning it. The key can be removed in positions (B) and (C).

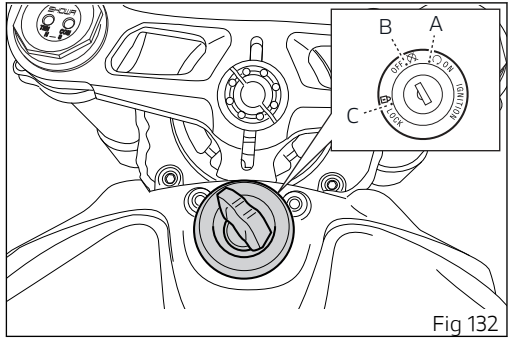


Fig 132

Left-hand switch

1) Dip switch, light dip switch, two positions:
   position = low beam on (A);
   position = high beam on (B);
2) Button = high-beam flasher (FLASH) and instrument panel control (C).
3) Instrument panel control switch, position UP " ▲ " and DOWN " ▼ ";
4) Switch = 3-position turn indicator control:
   centre position = OFF;
   position = left turn;
   position = right turn.
   To disable the turn indicator, press the control switch once it returns to centre position.
5) Button = warning horn.

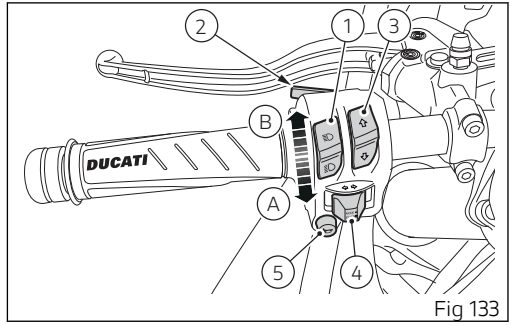


Fig 133

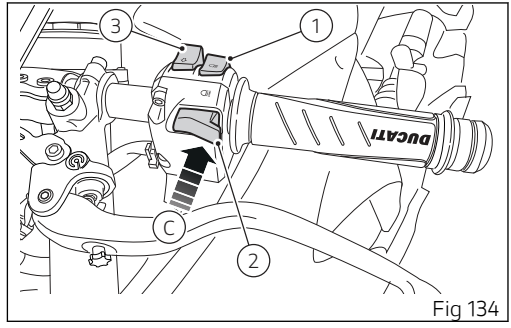


Fig 134

Clutch lever

Lever (1) disengages the clutch. It features a dial adjuster (2) for lever distance from the twistgrip on handlebar. The lever distance can be adjusted through 10 clicks of the dial (2). Turn clockwise to increase lever distance from the handgrip. Turn the adjuster counter clockwise to decrease lever distance. When the clutch lever (1) is operated, drive from the engine to the gearbox and the drive wheel is disengaged. Using the clutch properly is essential to smooth riding, especially when moving OFF.

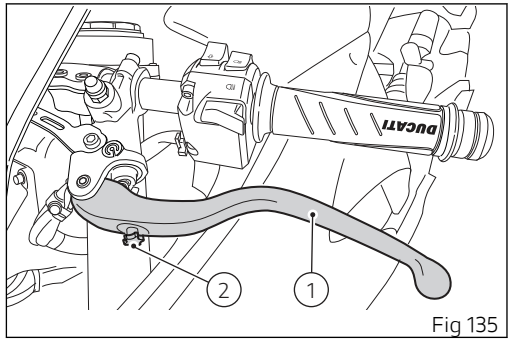


Fig 135

Attention

Set clutch lever when motorcycle is stopped.

Important

Using the clutch properly will avoid damage to transmission parts and spare the engine.

Note

The engine can be started with the side stand down and the gearbox in neutral. If starting with a gear engaged, pull in the clutch lever (in this case the side stand must be up).

Right-hand switch

1) Red ON/OFF switch.
2) DRL light button.
3) Hazard button.

The switch (1) has three positions:

position up: KILL ENGINE;
central position: ENGINE ENABLING;
pushed down: ENGINE START.

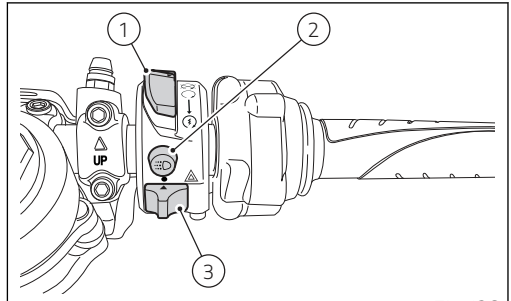


Fig 136

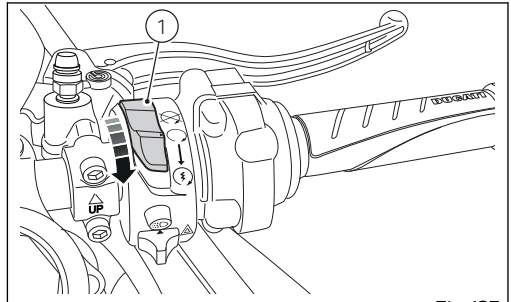


Fig 137

Throttle twistgrip

The twistgrip (1) on the right handlebar opens the throttles.
When released, it will spring back to the initial position (idling speed).

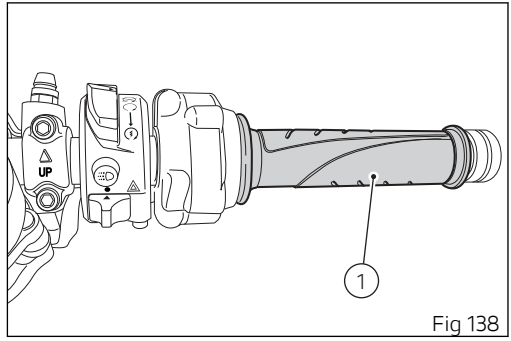


Fig 138

Front brake lever

Pull in the lever (1) towards the twistgrip to operate the front brake. The system is hydraulically operated and you just need to pull the lever gently.
The brake lever (1) has a dial (2) for adjusting the distance between lever and twistgrip on the handlebar.
The lever distance can be adjusted through 10 clicks of the dial (2). Turn clockwise to increase lever distance from the twistgrip. Turn the adjuster counter clockwise to decrease lever distance.

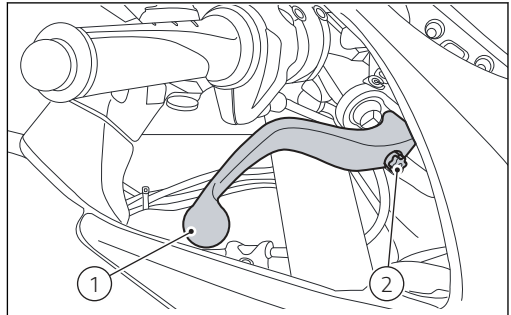


Fig 139

Rear brake pedal

Press pedal (1) down with your foot to operate the rear brake.
The control system is of the hydraulic type.

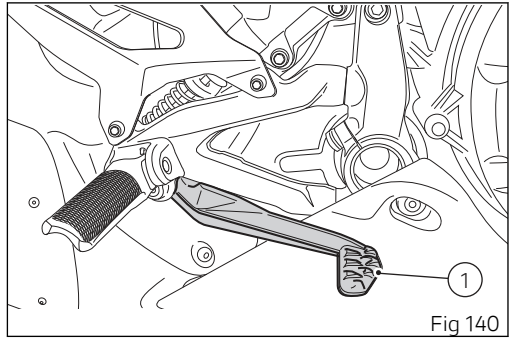


Fig 140

Gear change pedal

When released, the gear change pedal automatically returns to rest position N in the centre, between the first and the second gear. This is indicated by the instrument panel light N coming on.
The pedal can be moved:

- down = press down the pedal to engage the 1st gear and to shift down. The N light on the instrument panel will go out;
- upwards= lift the pedal to engage 2nd gear and then 3rd, 4th, 5th and 6th gears.

Each time you move the pedal you will engage the next gear.

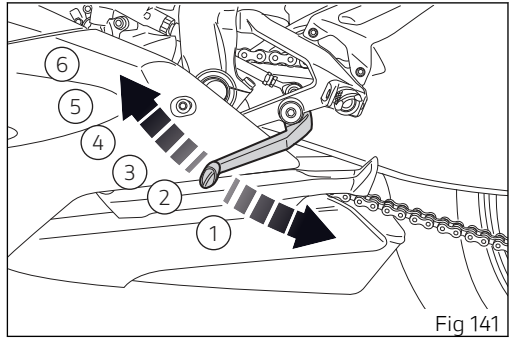


Fig 141

Adjusting the position of the gearchange pedal and rear brake pedal

The position of the gearchange and rear brake pedals in relation to the footrests can be adjusted to suit the requirements of the rider.
Adjust the pedals as follows:

Gear change pedal

Hold linkage (1) using the special flat (A) and loosen nut (2).

Fit an open-end wrench to hexagonal element of linkage (1) and rotate until setting pedal in the desired position.
Tighten nut (2) onto linkage.

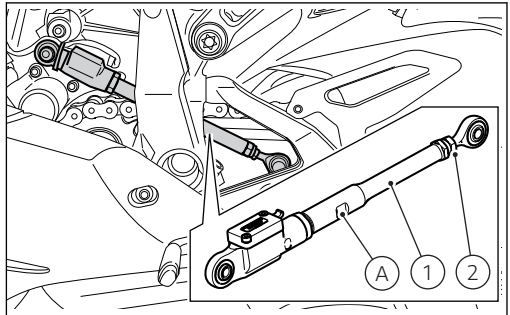


Fig 142

Rear brake pedal

Loosen lock nut (4).
Turn pedal stroke adjusting screw (3) until pedal is in the desired position. Tighten the lock nut (4).
Operate the pedal (5) by hand to check that there is 1.5 to 2 mm of free play before the brake bites.
If not, adjust the length of the master cylinder pushrod.

Attention
Have the pedal adjusted at a Ducati Dealer or authorised Service Centre.

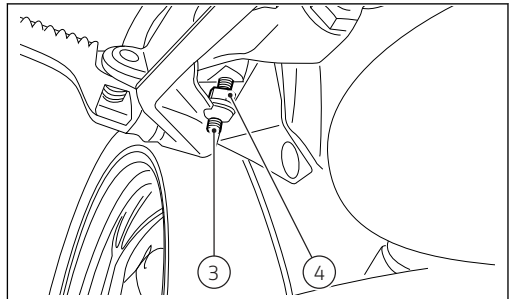


Fig 143

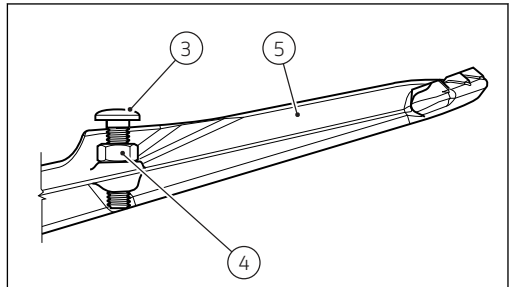


Fig 144

Main components and devices

Position on the vehicle

1) Tank filler plug.
2) Seat lock.
3) Side stand.
4) Rear-view mirrors.
5) Front fork adjusters.
6) Rear shock absorber adjusters.
7) Catalytic converter.
8) Exhaust silencer.

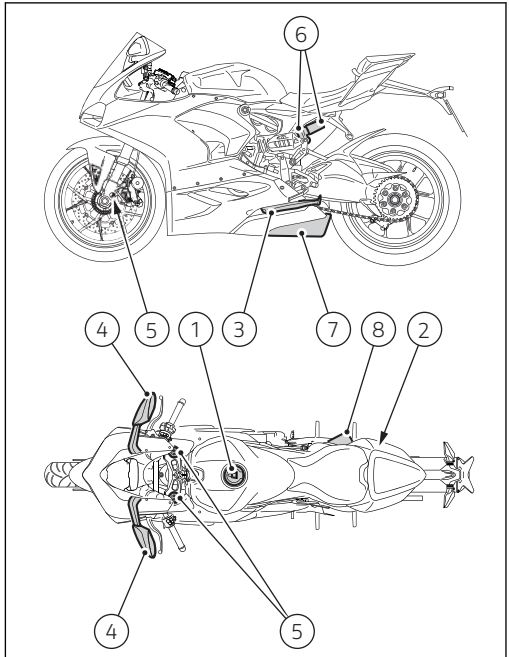


Fig 145

Tank filler plug

Opening

- Lift flap (1) and insert the key in the lock;
- Turn the key clockwise by 1/4 of a turn to release the lock;
- Lift the fuel tank plug (2).

Closing

- Close the plug (2) with the key inserted and push it down into its seat;
- Remove the key and close flap (1) protecting the lock.

Note
Plug can only be closed when key is inserted.

Attention
After refuelling, always make sure that the plug is perfectly in place and closed.

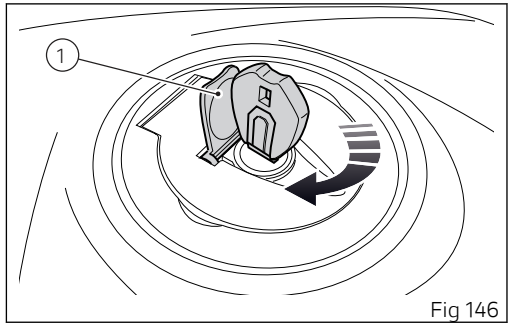


Fig 146

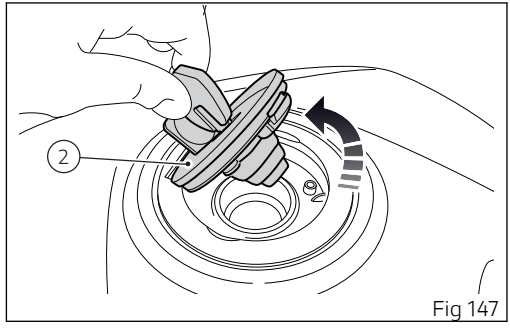


Fig 147

Removing and refitting the seats

Use lock (1) to remove the passenger seat (2) and reach the tail guard compartment.

Removing the passenger seat

- Insert the key into the lock (1);
- Turn the key counter clockwise until the passenger seat (2) catch disengages with an audible click;
- Pull the passenger seat (2) towards the front end of the vehicle until releasing it.

Refitting the passenger seat

- Before refitting the passenger seat (2), make sure that passenger strap (3) is correctly positioned.
- Slide the passenger seat (2) from vehicle front (A) end towards the rear end (B) until hearing the catch click into place.

Attention

To close the seat cover insert it from the motorcycle side and slide it towards the rear side until hearing the engagement click.

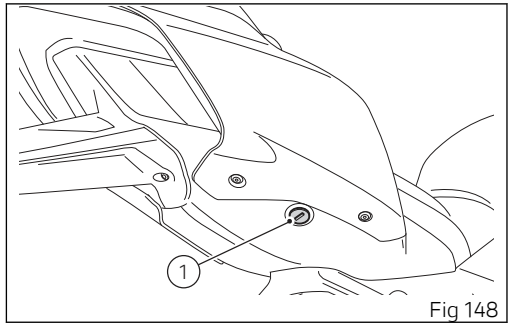


Fig 148

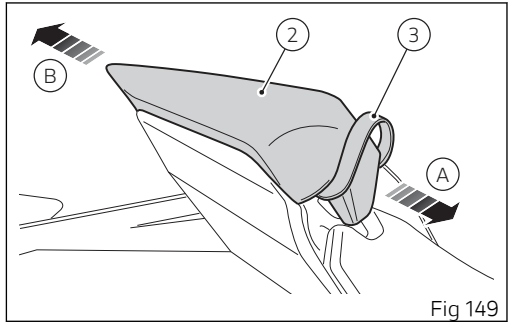


Fig 149

Removing the rider seat

- Using the Allen wrench present in the tail guard compartment, loosen the two screws (4) on both sides of the rider seat (5);
- Slide the seat towards the rear end of the vehicle.

Refitting the rider seat

- Refit the rider seat (5) by first engaging the front end and then the rear end;
- Lift the rear edges of the seat and fasten it by tightening screws (4).
- Check proper rider seat fastening by trying to raise its front end.

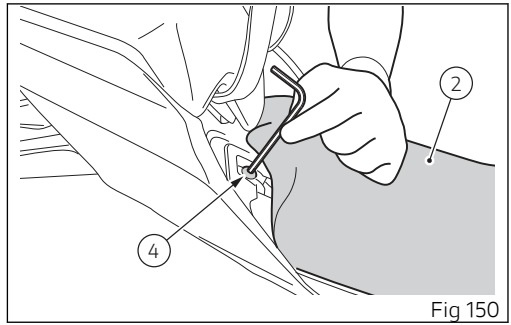


Fig 150

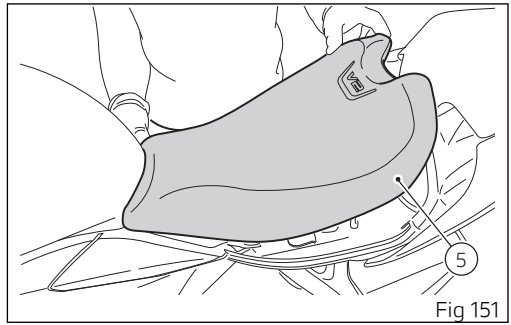


Fig 151

Side stand

Important

Place the motorcycle on the side stand only when you are not going to use it for short periods of time. Before lowering the side stand, make sure that the bearing surface is hard and flat.

Do not park on soft or pebbled ground or on asphalt melted by the sun, etc. or else the motorcycle may fall over. When parking downhill, always position the motorcycle with the rear wheel facing downhill.
To pull down the side stand, hold the motorcycle handlebars with both hands and push down on the side stand (1) with your foot until it is fully extended. Tilt the motorcycle until the side stand is resting on the ground.
To move the side stand to its rest position (horizontal position), lean the motorcycle to the right while lifting the thrust arm (1) with your foot.
To ensure trouble-free operation of the side stand joint, thoroughly clean it and then use SHELL Alvania R3 grease to lubricate all friction points.

Attention

Do not sit on the motorcycle when it is supported on the side stand.

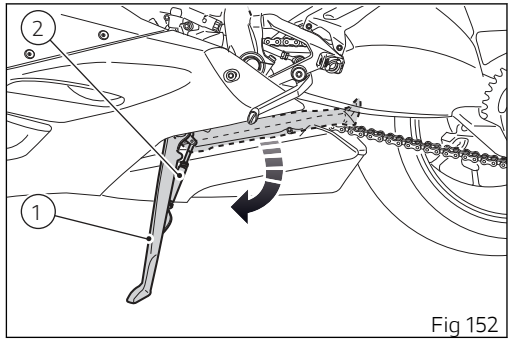


Fig 152

Note

Check for proper operation of the stand mechanism (two springs, one into the other) and the safety sensor (2) at regular intervals.

Note

It is possible to start the engine with stand unfolded and gearbox in neutral.

Bluetooth control unit

The motorcycle can be equipped with a Bluetooth control unit that works as a hub between the various supported electronic devices relying on a Bluetooth communication interface.
The Bluetooth control unit, which is not installed in this vehicle, can be purchased at a Ducati Dealer or Authorised Service Centre.

Attention

Bluetooth Headset device manufacturers may incorporate certain changes within the standard protocols over the course of the lifecycle of the device (Smartphones and Earphones).

Attention

These changes are outside the control of Ducati and may result in Bluetooth Headset devices functionality becoming impaired (sharing Music, multimedia player, etc.) and may equally affect some types of Smartphones (depending on supported Bluetooth profiles). This is why Ducati cannot guarantee multimedia player proper operation for:

- any earphones not coming with the "Ducati Kit part no. 981029498";
- any Smartphones not supporting the required Bluetooth profiles (even though paired to earphones coming with the "Ducati Kit part no. 981029498").

Attention

In case of interference or noise due to particular conditions of the external environment, the Ducati earphone kit part no. 981029498 also allows sharing the music being played directly from rider helmet to passenger helmet (for further details please refer to the manual of the earphones coming with the Ducati kit part no. 981029498).

Note
The Ducati kit part no. 981029498 can be purchased separately at a Ducati Dealer or Authorised Service Centre.

Check that your Smartphone supports the following profiles:
- MAP profile: for a correct display of SMS and MMS notifications;
- PBAP profile: for a correct display of the Smartphone contact list.

Attention
Ducati does not ensure a correct connection to the Ducati Multimedia System of Bluetooth navigators that are not provided in the following kits:
- Kit of Ducati Zumo satellite navigator 350
- Kit of Ducati Zumo satellite navigator 390
- Kit of Ducati Zumo satellite navigator 395

Note
The Ducati kits mentioned above can be purchased separately at a Ducati Dealer or Authorised Service Centre.

Steering damper

It is located before the handlebar and is secured to the steering head.
It provides stable and accurate steering, improving the motorcycle's handling response under any conditions.

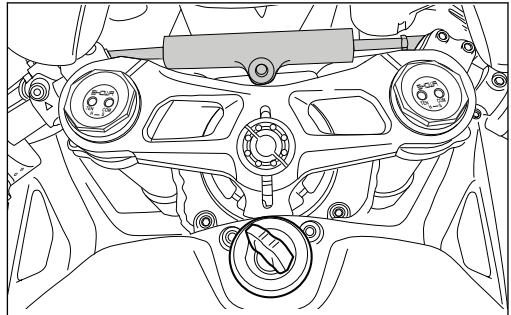


Fig 153

Front fork adjustment

The front fork used on this motorcycle has rebound (return), compression and spring preload adjustment.
Adjustment is done by external screw adjusters.

1) For rebound adjustment (1);
2) for compression adjustment (2);
3) for inner spring preload adjustment (3).

Position the motorcycle on its side stand so that it is stable.
Turn the adjuster (1) at the top end of each fork leg with a flat screwdriver to adjust rebound damping.
Turn the adjuster (2) at the top end of each fork leg with a flat screwdriver to adjust compression damping.
The stiffest damping setting is obtained with the adjuster turned fully clockwise to the "0" (fully closed) position.

To change preload of the spring inside each fork leg, counter clockwise the hex. adjuster (3), with a hexagon wrench, starting from the fully open (counter clockwise) position.

Standard setting:

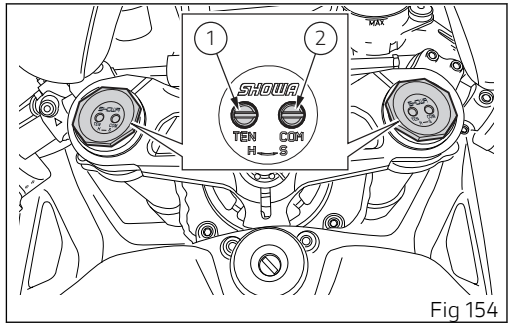


Fig 154

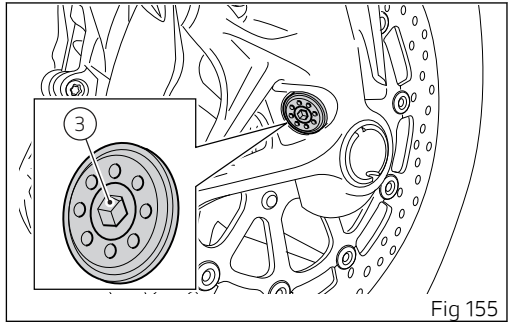


Fig 155

- rebound: open 5.5 turns counter clockwise from fully closed position on both fork legs;
- compression: open 7 turns counter clockwise from fully closed position on both fork legs;
- spring preload: 7 turns from fully open.

Recommended setting for racing use:

- rebound: open 2.5 turns counter clockwise from fully closed position on both fork legs;
- compression: open 1 turn counter clockwise from fully closed position counter clockwise on both fork legs;
- spring preload: 6 turns from fully open.

Attention
Adjust both fork legs to same settings.

Adjusting the rear shock absorber

The rear shock absorber has adjusters that enable you to suit the setting to the load on the motorcycle.
The adjuster (1) located on the front connection holding the shock absorber to the crankcase half adjusts the damping during the rebound phase (return).
The adjuster (2) located on the expansion reservoir of the shock absorber adjusts the damping during the compression phase.
The two nuts (3) on the upper part of the shock absorber serve to adjust the preload of the external spring.
To change spring preload, slacken the upper locking ring nut. Then TIGHTEN or SLACKEN the lower ring nut to INCREASE or DECREASE spring preload.
After setting spring preload as desired, tighten the upper locking ring nut.
Completely turn adjusters (1) and (2) clockwise to obtain the fully closed condition.

Standard setting:

- rebound (1): open 13 clicks counter clockwise from fully closed position;
- compression (2): open 2.5 turns counter clockwise from fully closed position;

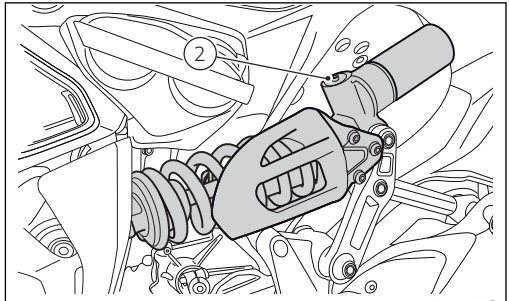


Fig 156

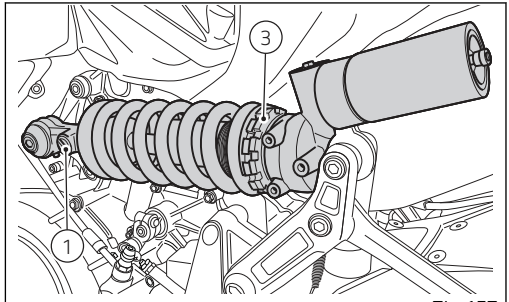


Fig 157

- spring preload: 14 mm (0.55 in) from fully uncompressed spring.

Recommended setting for racing use:

- rebound (1): open 8 clicks counter clockwise from fully closed position;
- compression (2): open 2 turns counter clockwise from fully closed position;
- spring preload: 14 mm (0.55 in) from fully uncompressed spring.

Attention

The shock absorber is filled with gas under pressure and may cause severe damage if taken apart by unskilled persons.

When carrying a passenger and luggage, set the rear shock absorber spring to proper preload to improve motorcycle handling and keep safe clearance from the ground. You may find that rebound damping needs adjusting as well.
Standard settings of the vehicle as delivered (factory settings specified in the previous paragraphs) correspond to a calibration which considers all use conditions (riding conditions, rider's skills and needs), and is the best solution for a sport use of the motorcycle on the road.

Riding the motorcycle

Running-in recommendations

Maximum rotation speed

Rotation speed for running-in period and during standard use (rpm):
1) Up to 1,000 km (621 mi);
2) From 1000 km (621 mi) to 2500 km (1553 mi).

Up to 1,000 Km (621 mi)

During the first 1000 km (621.37 mi), keep an eye on the rev counter. It should never exceed: 5,500÷ (included) 6,000 rpm.
During the first hours of riding, it is advisable to run the engine at varying load and rpm, though still within recommended limit.
To this end, roads with plenty of bends and even slightly hilly areas are ideal for a most efficient running-in of engine, brakes and suspensions.
For the first 62 mi (100 km), use the brakes gently. Avoid sudden or prolonged braking. This will allow the friction material on the brake pads to bed in against the brake disks.

For all mechanical parts of the motorcycle to adapt to one another and above all not to adversely affect the life of basic engine parts, it is advisable to avoid harsh accelerations and not to run the engine at high rpm for too long, especially uphill.
Furthermore, the drive chain should be inspected frequently. Lubricate as required.

Important

During the first 1000 km (621 mi) (Running-in period), i.e. when the Odometer displays a value <= (lower than or equal to) 1000 km (621 mi), the pre-warning area, indicated in orange (Orange area), both for the bargraph filling and the display of the relevant number, is displayed when reaching 6000 rpm. During the running-in period we recommend not to exceed 6000 rpm, thus the instrument panel will not display the bargraph "Orange area".

From 1000 to 2500 km (from 621 to 1553 mi)
At this point, you can squeeze some more power out of your engine. However never exceed 7,000 rpm.

Important
During the whole running-in period, the maintenance and service rules recommended in the Warranty Card should be observed carefully. Failure to follow these instructions releases Ducati Motor Holding S.p.A. from any liability whatsoever for any engine damage or shorter engine life.

Strict observance of running-in recommendations will ensure longer engine life and reduce the likelihood of overhauls and tune-ups.

Pre-ride checks

Attention

Failure to carry out these checks before riding, may lead to motorcycle damage and injury to rider and passenger.

Before riding, perform a thorough check-up on your motorcycle as follows:

- FUEL LEVEL IN THE TANK
  Check the fuel level in the tank. Refuel if necessary (see “Refuelling”).
- ENGINE OIL LEVEL
  Check the level in the sump through the sight glass; top-up if necessary (see “Checking the engine oil level”).
- BRAKE AND CLUTCH FLUID
  Check liquid level in the corresponding reservoirs (see "Checking brake and clutch fluid level").
- COOLANT
  Check the level of coolant in the expansion reservoir; top up if necessary (see "Checking and topping up the coolant level").
- TYRE CONDITION
  Check tyre pressure and condition (see “Tubeless tyres”).
- CONTROLS
  Work the brake, clutch, throttle and gear change controls (levers, pedals and twistgrip) and check for proper operation.
- LIGHTS AND INDICATORS
  Make sure lights, indicators and warning horn work properly. Replace any burnt-out bulbs (see “Replacing headlight light bulbs”).
- KEY LOCKS
  Check the tightening of the filler plug (see “Filler plug”).
- STAND
  Make sure side stand operates smoothly and is in the correct position (see “Side stand”).

Attention

In case of malfunction, do not ride the motorcycle and contact a Ducati Dealer or authorised Service Centre.

To ensure trouble-free operation, the engine coolant pump requires a breather. This means that it is possible that a very small quantity of coolant oozes out of the breather hole positioned in the upper part

of the crankcase, and this will not affect proper operation of the engine or the cooling system.

ABS light

After Key-ON, the ABS light stays ON.
When the motorcycle speed exceeds 5 km/h (3 mph) the warning light switches OFF to indicate the correct operation of the ABS system.

Attention
In case of malfunction, do not ride the motorcycle and contact a Ducati Dealer or authorised Service Centre.

ABS device

Check that the front (1) and rear (2) phonic wheels are clean.

Attention

Clogged reading slots would compromise system proper operation. It is recommended to disable ABS system in case of muddy road surface because under this condition the system might be subject to sudden failure.

Attention

Prolonged wheelies could deactivate the ABS system.

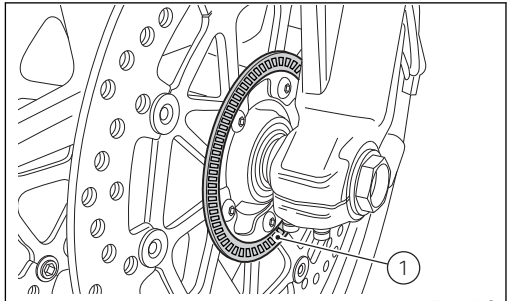


Fig 158

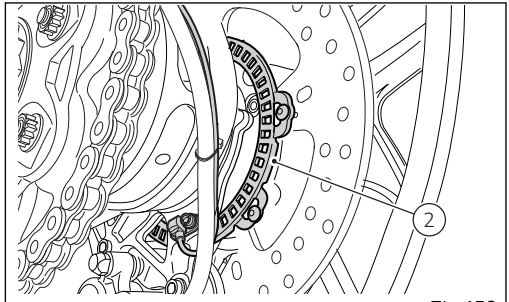


Fig 159

Engine start

Attention

Before starting the engine, become familiar with the controls you will need to use when riding.

Attention

Never start or run the engine indoors. Exhaust gases are poisonous and may lead to loss of consciousness or even death within a short time.

Set the ignition switch to position (B). Make sure both the green light N (C) and the red light (D) on the instrument panel come on.

Important

The oil pressure light should go out a few seconds after the engine has started.

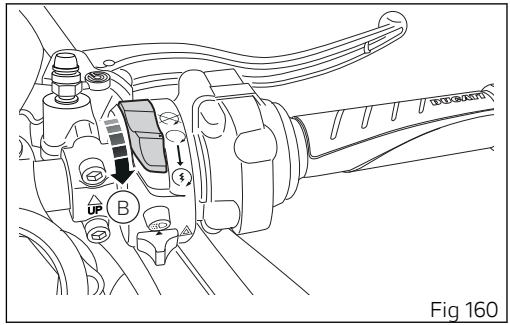


Fig 160

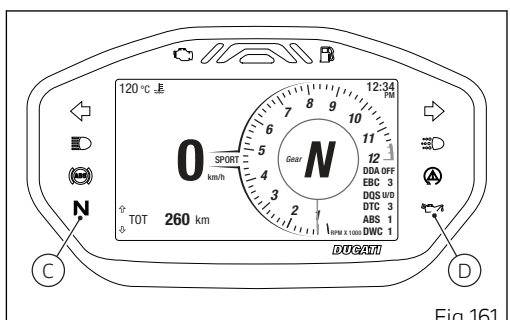


Fig 161

Attention

The side stand must be fully up (in a horizontal position) as its safety sensor prevents engine starting when down.

Note

It is possible to start the engine with side stand down and the gearbox in neutral. When starting the motorcycle with a gear engaged, pull the clutch lever (in this case the side stand must be up).

Make sure that emergency start/stop switch is set to (A) ○ (RUN).
Press switch to the bottom (B) and release it.
Let the motorcycle start without operating the throttle control.

Note

If the battery is flat, system automatically inhibits starter motor cranking operation.

Important

Do not rev up the engine when it is cold. Allow some time for oil to be heated and reach all points that need lubricating.

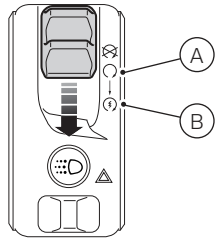


Fig 162

Moving off

1) Squeeze the control lever to disengage the clutch.
2) Push down on gear change lever sharply with the tip of your foot to engage the first gear.
3) Speed up the engine by turning the throttle twistgrip while gradually releasing the clutch lever; the motorcycle will start moving off.
4) Let go of clutch lever and speed up.
5) To shift up, close the throttle to slow down engine, disengage the clutch, lift the gear change lever and let go of clutch lever. To shift down, proceed as follows: release the twistgrip, pull the clutch lever, shortly speed up to help gears synchronise, shift down (engage next lower gear) and release the clutch.

The controls should be used correctly and timely: when riding uphill do not hesitate to shift down as soon as the motorcycle tends to slow down, so you will avoid stressing the engine and the motorcycle abnormally.

Attention

Avoid harsh acceleration, as this may lead to misfiring and transmission snatching. The clutch lever should not be held in longer than necessary after a gear is engaged, otherwise friction parts may overheat and wear out.

Attention

Prolonged wheelies could deactivate the ABS system.

Braking

Slow down in time, shift down to use engine brake and then brake by operating both front and rear brakes. Pull the clutch before the motorcycle stops to avoid engine from suddenly stalling.

Anti-Lock Braking System (ABS)

Using the brakes correctly under adverse conditions is the hardest – and yet the most critical - skill to master for a rider. Braking is one of the most difficult and dangerous moments when riding a two wheeled motorcycle: the possibility of falling or having an accident during this difficult moment is statistically higher than any other moment. A locked front wheel leads to loss of traction and stability, resulting in loss of control.

The Anti-Lock Brake System (ABS) has been developed to enable riders to use the motorcycle braking force to the fullest possible amount in emergency braking or under poor pavement or adverse weather conditions.

ABS uses hydraulics and electronics to limit pressure in the brake circuit when a special sensor mounted to the wheel informs the electronic control unit that the wheel is about to lock up.

This avoids wheel lockup and preserves traction. Pressure is raised back up immediately and the control unit keeps controlling the brake until the risk of a lockup disappears. Normally, the rider will perceive ABS operation as a harder feel or a pulsation of the brake lever and pedal.

The front and rear brakes use separate control systems, meaning that they operate independently. Likewise, the ABS is not an integral braking system and does not control both the front and rear brake at the same time.

Stopping the motorcycle

Reduce speed, shift down and release the throttle twistgrip. Shift down to engage first gear and then neutral.

Apply the brakes and bring the motorcycle to a complete stop.

To switch the engine off, simply turn the key to OFF; see "Ignition switch and steering lock".

Parking

Stop the motorcycle, then put it on the side stand. To prevent theft, turn the handlebar fully left and turn the ignition key to the LOCK position.
If you park in a garage or other indoor area, make sure that there is proper ventilation and that the motorcycle is not near a source of heat.

Important

Never leave the ignition key in the switch when you are leaving your motorcycle unattended.

Attention

The exhaust system might be hot, even after engine is switched OFF; pay particular attention not to touch the exhaust system with any body part and do not park the motorcycle next to inflammable material (wood, leaves etc.).

Attention

Using padlocks or other locks designed to prevent motorcycle motion, such as brake disc locks, rear sprocket locks, and so on is dangerous and may impair motorcycle operation and affect the safety of rider.

Refuelling

Never overfill the tank when refuelling. Fuel should never be touching the rim of filler recess.

Warning

The fuel pressure inside the tank may, in extreme cases, cause fuel to “spray” when opening the fuel cap.

Always open the fuel cap slowly and carefully during the refill.

If you hear an audible hiss from the cap while opening it, wait until the stop of the hissing before opening it completely.

The sound is residual pressure escaping from the fuel tank, therefore the stop of the hiss indicates that there is no more residual pressure.

The situation described above is more likely in hot weather conditions.

Attention

Use fuel with low lead content and an original octane number of at least 95.

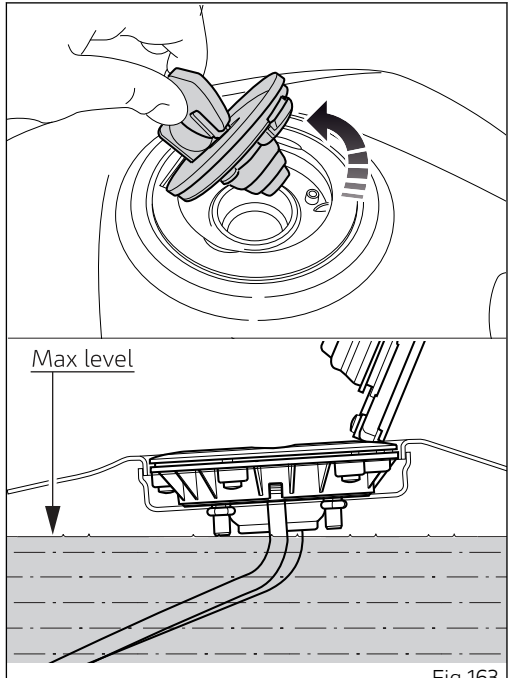


Fig 163

Attention

The motorcycle is only compatible with fuel having a maximum content of ethanol of 10% (E10). Using fuel with ethanol content over 10% is forbidden. Using it could result in severe damage of the engine and motorcycle components. Using fuel with ethanol content over 10% will make the warranty null and void.

Fuel label
The label identifies the fuel recommended for this vehicle.

1) The E5 reference inside the label indicates the use of fuel with a maximum oxygen content of 2.7% by weight and a maximum ethanol content of 5% by volume, according to EN 228.

2) The E10 reference inside the label indicates the use of fuel with a maximum oxygen content of 3.7% by weight and a maximum ethanol content of 10% by volume, according to EN 228.

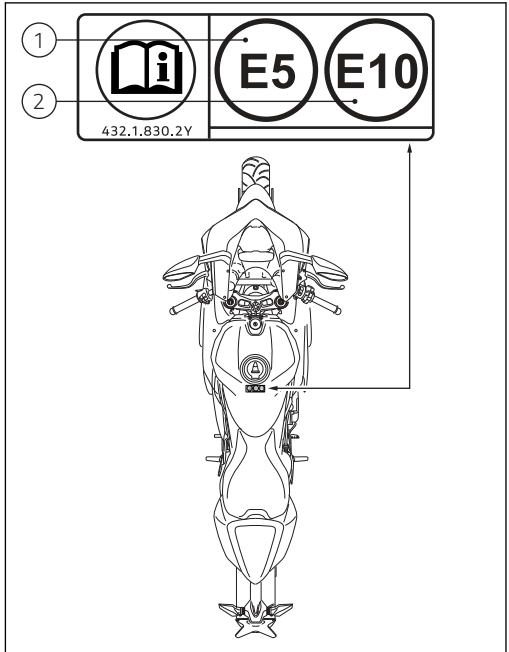


Fig 164

Tool kit and accessories

The glove compartment positioned under the passenger seat contains a 4 mm (0.16 in) L-shaped Allen wrench (1).

To gain access to the compartment, remove the passenger seat as described in "Removing and refitting the seats".

Have the following parts (supplied as standard) installed by a Ducati Dealer or authorised Service Centre:
- passenger seat;
- right and left rear footpegs.

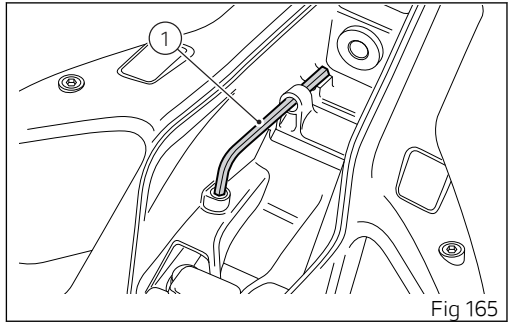
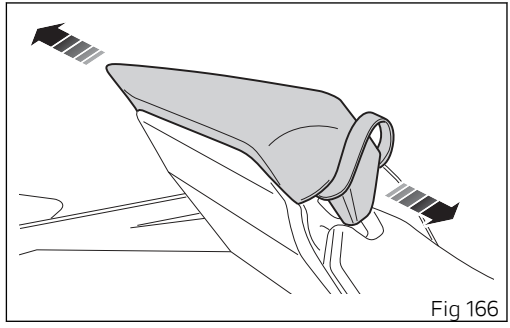


Fig 165


Fig 166

Main use and maintenance operations

Removing the fairing

To carry out some maintenance or repair operations, some motorcycle fairings must be removed.

Attention

Failed or incorrect refitting of one of the removed components could cause its sudden detachment while riding resulting in loss of control of the motorcycle.

Important

At every reassembly, to avoid damaging the painted areas and the Plexiglass windscreen, always place the nylon washers at the retaining screws.

Important

Have the fairing removal performed at a Ducati Dealer or Authorised Service Centre.

Checking coolant level and topping up, if necessary

Check coolant level in the expansion reservoir, on the right side of the vehicle, through the inner sight slot, gaining access from the front wheel housing.
Check that the level is between the MIN (1) and MAX (2) marks on the side of the expansion reservoir.
Top up if the level is below the MIN mark.

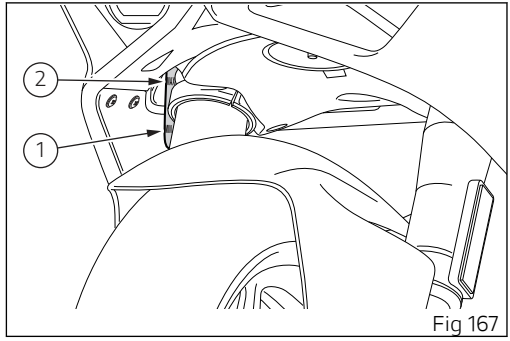


Fig 167

Attention

Place the motorcycle upright on a flat surface and make sure the engine is cold before proceeding.

Important

Have the top-up performed at a Ducati Dealer or Authorised Service Centre.

Checking brake and clutch fluid level

The levels should not fall below the MIN marks on the respective reservoirs.
If level drops below the limit, air might get into the circuit and affect the operation of the system involved.
Fluid must be topped up and changed at the intervals specified in the scheduled maintenance table reported in the Warranty Booklet; please contact a Ducati Dealer or authorised Service Centre.

Brake system

If you find exceeding clearance on brake lever or pedal and brake pads are still in good condition, contact your Ducati Dealer or authorised Service Centre to have the system inspected and any air drained out of the circuit.

Attention

Brake and clutch fluid can damage paintwork and plastic parts, so avoid contact.
Hydraulic fluid is corrosive; it may cause damage and lead to severe injuries. Never mix fluids of different qualities. Check seals for proper sealing.

Clutch system

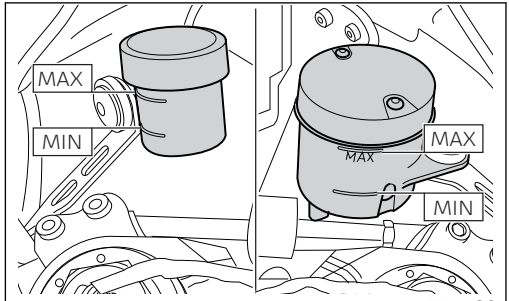


Fig 168

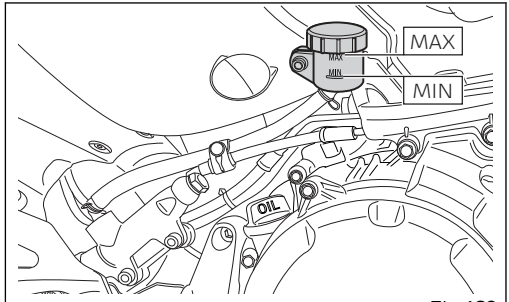


Fig 169

If the control lever has exceeding clearance and the transmission snatches or jams as you try to engage a gear, it means that there might be air in the circuit. Contact your Ducati Dealer or authorised Service Centre to have the system inspected and air drained out.

Attention

Clutch fluid level will increase as clutch plate friction material wears down. Do not exceed the specified level (3 mm (0.12 in) above the minimum level).

Checking brake pads for wear

Check brake pads wear through the inspection hole in the callipers. Change both pads if friction material thickness of even just one pad is about 1 mm (0.04 in).

Attention

Friction material wear beyond this limit would lead to metal support contact with the brake disc thus compromising braking efficiency, disc integrity and rider safety.

Important

Have the brake pads replaced at a Ducati Dealer or authorised Service Centre.

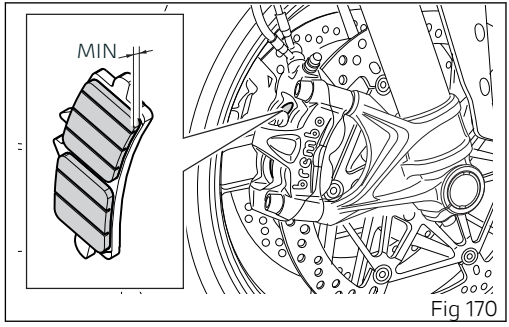


Fig 170

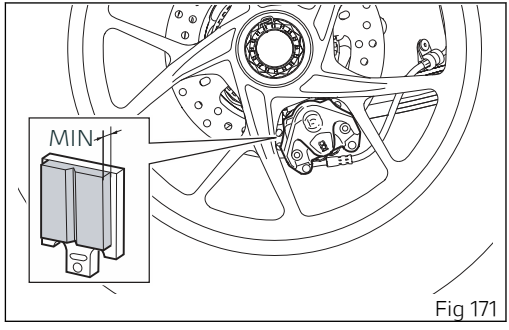


Fig 171

Charging the battery

Before charging the battery, it is best to remove it from the motorcycle.

Removing the battery

- Remove the left-hand side fairing;
- undo the screw (1) and remove the battery mounting cover (2).
- remove battery (3) from its seat;
- always starting from the negative terminal (-), loosen the screws (4).
- remove the negative cable (7) and engine ground cable (8) from the negative terminal;
- remove the positive cable (5) and ABS positive cable (6) from the positive terminal.

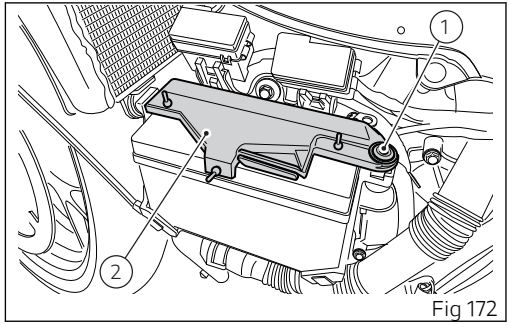


Fig 172

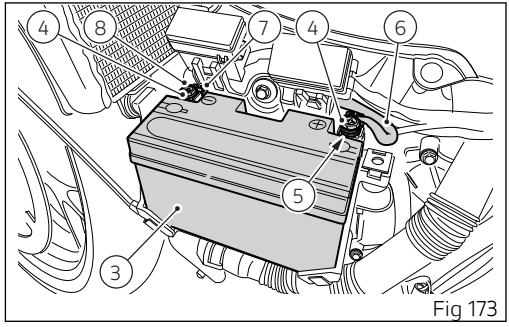


Fig 173

Charging the battery

- Connect the battery charger leads to the battery terminals: the red one to the positive terminal (+), the black one to the negative terminal (-).
- Charge the battery at 0.9 A for 5÷10 hours.

Attention
The battery produces explosive gases: keep it away from heat sources

Attention
Keep the battery out of the reach of children.

Important
Make sure the charger is OFF when you connect the battery to it, or you might get sparks at the battery terminals that could ignite the gases inside the cells. Always connect the red positive (+) terminal first.

Attention
The battery gives off explosive gases; never cause sparks or allow naked flames and cigarettes near the battery. When charging the battery, ensure that the working area is properly ventilated.

Refitting the battery

- Lay down the ABS positive cable (6), onto positive cable (5) and start screw (4) on these cables;

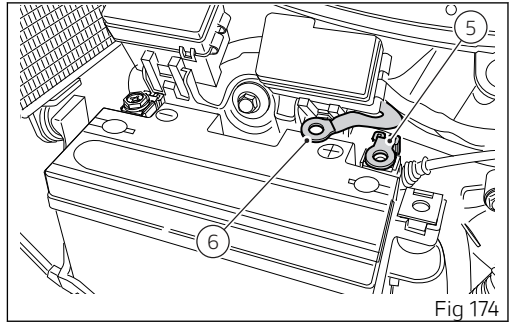


Fig 174

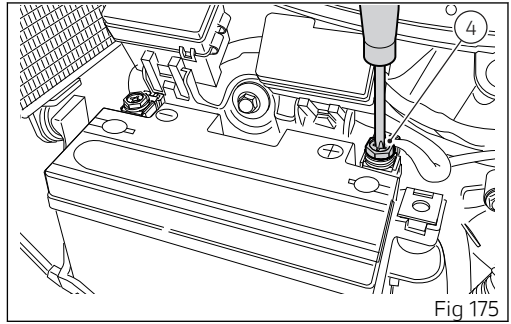


Fig 175

- lay down the engine ground cable (8), onto negative cable (7) and start screw (4) on these cables;
- tighten the terminal retaining screws (4);
- apply grease around the battery terminals to prevent oxidation.
- reinstall the battery (3) in the support, positioning the cables as shown in (Fig 173);
- refit battery mounting cover (2) and fasten it by tightening the screw (1).
- refit the left-hand side fairing.

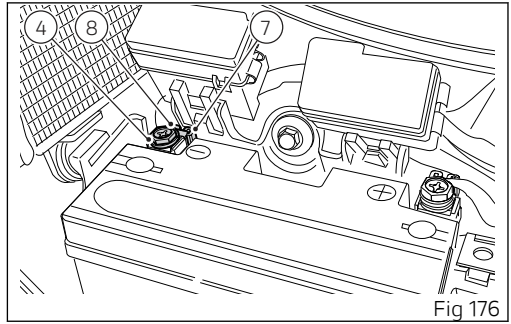


Fig 176

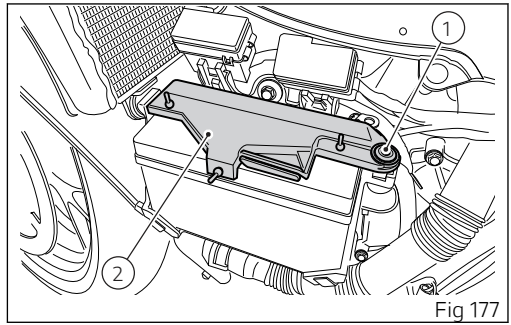


Fig 177

Charging and maintenance of the battery during winter storage

Attention

The electric system of this motorcycle is designed so as to ensure there is a very low power drain when the motorcycle is OFF. Nevertheless, the battery features a certain self-discharge rate that is normal and depends on ambient conditions as well as on vehicle "non-use" time.

If battery is not kept at a minimum charge level by the battery charger / charge maintainer, battery could get damaged if voltage drops under 8 V.

Connector (1) is located under the rider seat (2), on the left side.
To reach it, remove the two screws (3) on both sides and remove the rider seat (2).

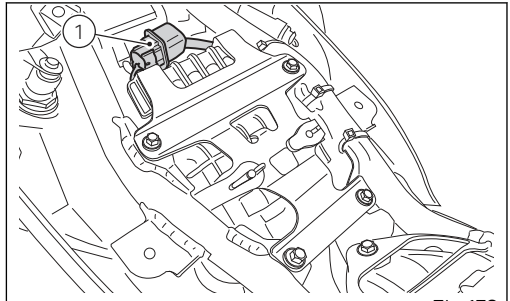


Fig 178

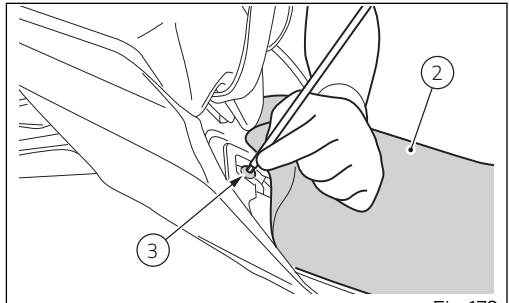


Fig 179

Attention

Use only the Ducati-approved battery charger (A) for lithium batteries also as a maintainer.
Do not use the battery charge maintainer kit part no. 69924601A (various countries) or battery charge maintainer kit no. 69924601AX (for Japan, China and Australia only), as it is specific for lead batteries.

Connect the maintainer to the diagnostics socket located in the rear side of the motorcycle.

Always use the battery charger (A) for lithium batteries authorised by Ducati.

Note

Using charge maintainers or battery chargers for lithium batteries not approved by Ducati could damage motorcycle electric system and/or lithium battery; motorcycle warranty does not cover the battery if damaged due to failure to comply with the above indications, since it is considered as improper maintenance.

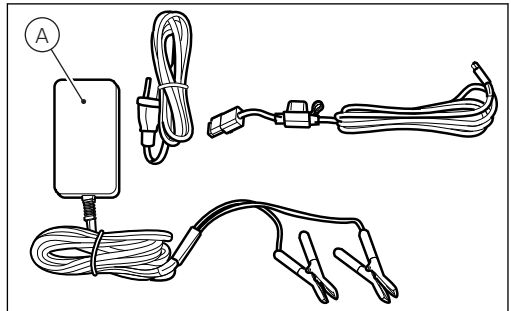


Fig 180

Important

Vehicles equipped with lithium batteries must never use devices such as Jump Starters or auxiliary batteries connected in parallel to the lithium battery if the latter has discharged to a level that does not allow starting. The cells of a lithium battery, if deeply discharged, can be irreparably damaged if they are recharged with unlimited currents, as is the case with connections to Jump Starters and/or parallel connections to charged batteries.

Checking drive chain tension

Important
Have chain tension adjusted by a Ducati Dealer or authorised Service Centre.

- Make the rear wheel turn until you find the position where chain is tightest;
- with a finger, push down the chain at the point of measurement and release;
- set the motorcycle on the side stand;
- measure the distance (A) between the centres of the chain pin, placing the tape measure between the plastic and the swinging arm in front of the retaining screw (B), it must be: A = 45 ÷ 47mm (1.77 ÷ 1.85 in);

Important
This only applies to the motorcycle STANDARD settings, available upon delivery.

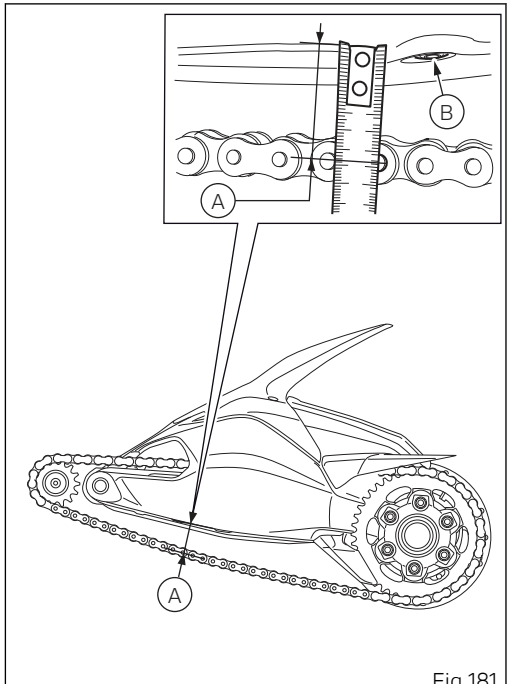


Fig 181

Attention
Correct tightening of swinging arm screws (1) is critical to rider safety.

Important
Improper chain tension will lead to early wear of transmission parts.

Important
To ensure the best performance and long life of the chain, please follow the information related to chain cleaning, lubrication, inspection and tensioning.

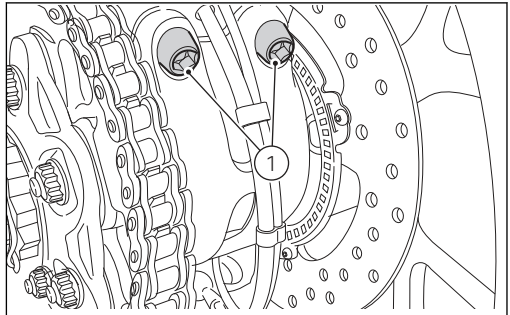


Fig 182

Lubricating the drive chain

Important

Have drive chain cleaned by a Ducati Dealer or authorised Service Centre.

Cleaning and lubricating the drive chain

The chain fitted on your motorcycle has O-rings that keep dirt out of and lubricant inside the sliding parts. Before proceeding with the chain lubrication it is important to correctly wash and clean it.

The chain cleaning is extremely important for its duration. In fact, it is necessary to remove any mud, soil, sand or dirt from the chain using a jet of water and then dry it immediately using compressed air at a distance of at least 30 cm (11.81 in).

Attention

Avoid the use of steam, fuel, solvents, hard brushes or other methods that could damage the O-rings; also avoid direct contact with the battery acid as it could cause mini cracks in the links as shown in the figure.

Attention

In particular, in case of Off-Road use of the bike, it is possible that excessive wear of the links occurs due to the contact with the chain sliding shoe; friction could in fact cause the chain to overheat, altering the heat treatment of the links and making them particularly fragile.

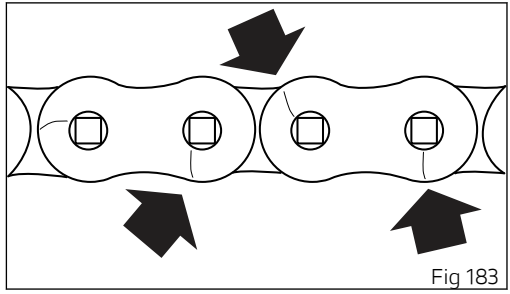


Fig 183

Lubricating the drive chain

Important

Have drive chain cleaned by a Ducati Dealer or authorised Service Centre.

Attention

Use SHELL Advance Chain to lubricate the chain; the use of non-specific lubricants could damage the O-rings and therefore the entire drive system.

It is recommendable to lubricate the chain without waiting for it to cool down after using the motorcycle, so that the new lubricant can penetrate better between the inner and outer links and be more effective in its protective action.

Place the bike on the rear paddock stand. Make the rear wheel turns fast in the opposite direction to the direction of travel.

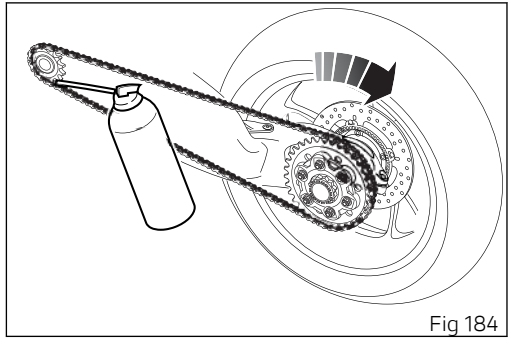


Fig 184

Apply the lubricant jet (1) inside the chain between the inner and outer links, in point (2) immediately before the engagement point on the sprocket.

Due to the centrifugal force, the lubricant, made fluid by the solvents contained in the spray, will expand in the working area between the pin and the bush, ensuring perfect lubrication.

Repeat the operation by aiming the lubricant jet to the central part (5) of the chain so as to lubricate the rollers (4), and to the outer plates (6) as shown in the figure.

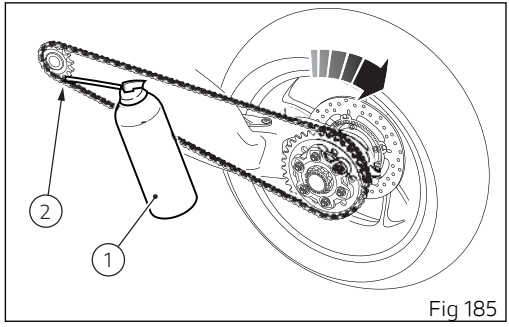


Fig 185

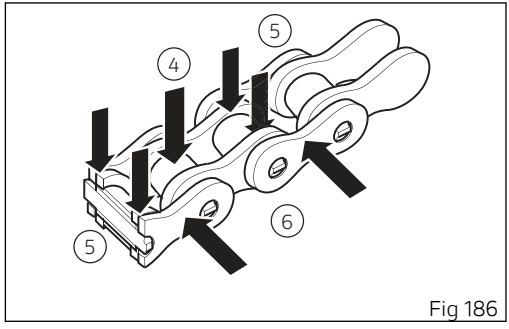
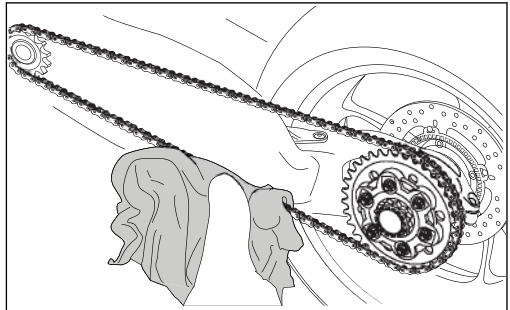


Fig 186

After lubrication, wait 10-15 minutes to allow the lubricant to act on the internal and external surfaces of the chain and then remove the excess lubricant with a clean cloth.

Important
Do not use the motorcycle immediately after lubricating the chain as the lubricant, still fluid, would be centrifuged outwards causing possible soiling of the rear tyre or the rider's footpeg.

Important
Check the chain often, taking care to lubricate it, as also indicated in the table below: at least every 1000 km (621 mi) or more frequently (about every 400 km (248 mi)) when using the bike with high outside temperatures (40°C) or after long travels on the highway at high speed.


Fig 187

Replacing the high and low beam bulbs

The whole front LED headlight assembly is maintenance-free. Figure shows the locations of the high beam (HI), low beam (LO) and parking lights (1). Have the lights replaced at a Ducati Dealer or authorised Service Centre.

Rear turn indicators

LED turn indicator lights are maintenance-free.

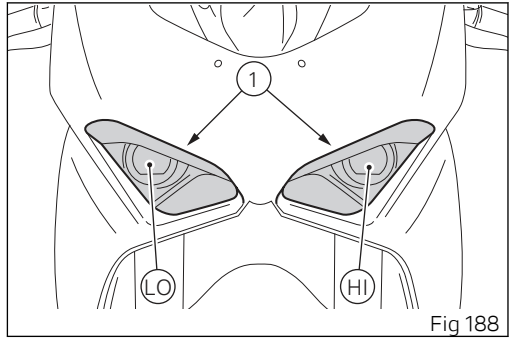


Fig 188

Aligning the headlight

Check correct headlight aiming. Position the motorcycle 10 metres from a wall or a screen, the motorcycle must be perfectly upright with the tires inflated to the correct pressure and with a rider seated, perfectly perpendicular to the longitudinal axis. On the wall or surface, draw a horizontal line at the same height from the ground as the centre of the headlight and a vertical line aligned with the longitudinal axis of the motorcycle. If possible, perform this check in dim light. Switch on the low beam and adjust right and left beams. The height of the upper limit between the dark area and the lit area must not be more than 9/10 of the height from the ground of the headlight centre.

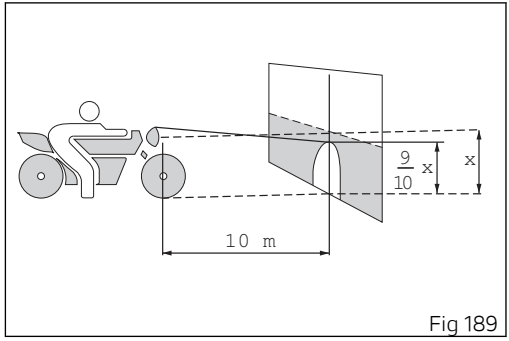


Fig 189

Note

This is the procedure specified by Italian regulations for checking the maximum height of the light beam. Please adapt said procedure to the provisions in force in your own country.

To align the headlight beam, turn the screws (1) and (2) located at the front of the vehicle, on both sides.

Screw (1), positioned on the left side, acts on the high beam:

- turn clockwise to lower the light beam;
- turn counter clockwise to raise the light beam.

Screw (2), positioned on the right side, acts on the low beam:

- turn clockwise to lower the light beam;
- turn counter clockwise to raise the light beam.

Attention

The headlight might fog up if the motorcycle is used under the rain or after washing. Switch headlight on for a short time to dry up any condensate.

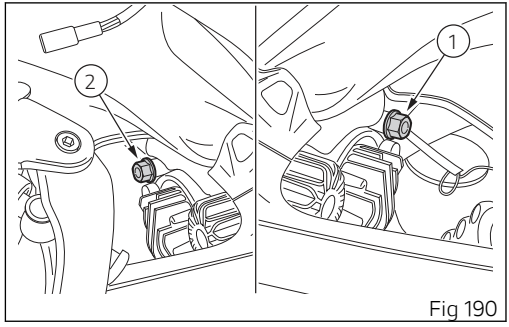


Fig 190

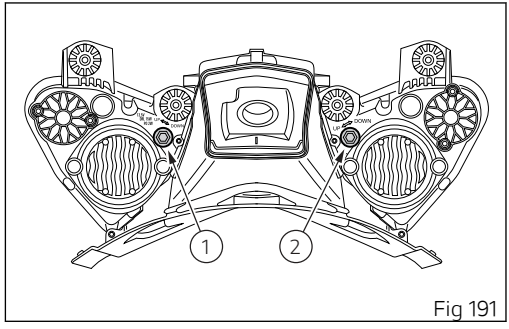


Fig 191

Adjusting the rear-view mirrors

Manually adjust the rear-view mirror by pushing at point (A).

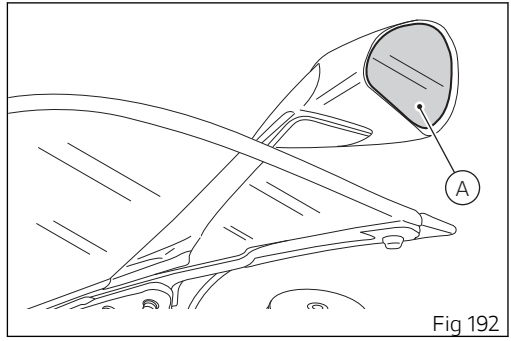


Fig 192

Tubeless tyres

As tyre pressure is affected by ambient temperature and altitude variations, you are advised to check and adjust it whenever you are riding in areas where ample variations in temperature or altitude occur.

Use	Front	Rear
On the road (rider only)	2.5 bar (36.26 psi)	2.5 bar (36.26 psi)
On the road (rider and passenger)	2.5 bar (36.26 psi)	2.7 bar (39.16 psi)
On track (rider only):	2.3 bar (33.36 psi)	2.1 bar (30.45 psi)

Attention

Check and set tyre pressure when tyres are cold. To avoid front wheel rim distortion, when riding on bumpy roads, increase tyre pressure by 0.2 ÷ 0.3 bar (2.90÷4.35 psi).

Tyre repair or change (Tubeless tyres)

In the event of a tiny puncture, tubeless tyres will take a long time to deflate, as they tend to keep air inside. If you find low pressure on one tyre, check the tyre for punctures.

Attention

Punctured tyres must be replaced. Replace tyres with recommended standard tyres only. Be sure to tighten the valve caps securely to avoid leaks when riding. Never use tube type tyres. Failure to heed this warning may lead to sudden tyre bursting and to serious danger to rider.

After replacing a tyre, the wheel must be balanced.

Attention

Do not remove or shift the wheel balancing weights.

Note

Have the tyres replaced at a Ducati Dealer or authorised Service Centre. Correct removal and installation of the wheels is essential. Some parts of the ABS (such as sensors and phonic wheels) are mounted to the wheels and require specific adjustment.

Minimum tread depth

Measure tread depth (S) at the point where tread is most worn down: it should not be less than 2 mm (0.08 in), and in any case not less than the legal limit.

Important

Visually inspect the tyres at regular intervals for detecting cracks and cuts, especially on the side walls, bulges or large spots that are indicative of internal damage. Replace them if badly damaged. Remove any stones or other foreign bodies caught in the tread.

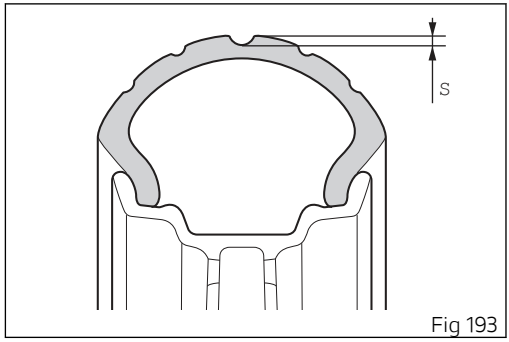


Fig 193

Check engine oil level

Check the engine oil level through the sight glass (1) on the clutch cover.
Oil level should be between the marks on the sight glass. If the level is low, top up with engine oil.
Remove the oil filler cap (2) and top up until the oil reaches the required level. Refit the filler plug (2).
Ducati recommends you use Shell Advance 4T Ultra 15W-50 oil (JASO: MA2 and API: SN).

Important

UK VERSION: Ducati recommends you use Shell Advance DUCATI 15W-50 Fully Synthetic Oil.

Important

Engine oil and oil filters must be changed by a Ducati Dealer or authorised Service Centre at the intervals specified in the scheduled maintenance chart reported in the Warranty Card.

To check the oil level correctly, carefully follow the instructions below.
1) The level must be checked with warm engine, so if it is not performed after riding for at least 20/30 minutes you will need to warm up the engine.
If, on the other hand, the engine is cold, start it and let it warm up until the cooler fans start two consecutive times (the engine oil must be perfectly warm to flow along the lines and reach the engine sump).
During this warming up phase, the bike can be left on the side stand.
2) Turn off the engine and wait 10\15 minutes to allow the oil to flow completely inside the sump.
3) Position the bike with both wheels on a flat ground and in straight position.
4) Then, check the engine oil through the sight glass.

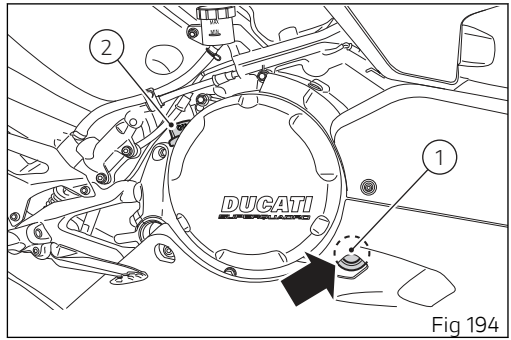


Fig 194

5) If the oil level is below the middle line between the MIN and MAX marks, add oil until reaching the maximum level indication.

Attention
Never exceed the MAX mark.

Recommendations concerning oil

It is recommended to use oil complying with the following specifications:
- viscosity grade SAE 15W-50;
- standard API: SN;
- standard JASO: MA2.

Attention
UK VERSION: It is recommended to use oil complying with the following specifications:
- viscosity grade SAE 15W-50.

SAE 15W-50 is an alphanumerical code identifying oil class based on viscosity: two figures with a W ("winter") in-between; the first figure indicates oil viscosity at low temperature; the second figure indicates its viscosity at high temperature. API (American standard) and JASO (Japanese standard) standards specify oil characteristics.

Cleaning the motorcycle

To preserve the finish of metal parts and paintwork, wash and clean your motorcycle at regular intervals, anyway according to road conditions. Use specific products only. Prefer biodegradable products. Avoid aggressive detergents or solvents.
Use only water and neutral soap to clean the Plexiglas and the seat.
Periodically clean by hand all aluminium components. Use special detergents, suitable for aluminium parts. Do NOT use abrasive detergents or caustic soda.



Note

Do not use sponges with abrasive parts or steel wool: only use soft cloths.

However, the warranty does not apply to motorcycles whenever poor maintenance status is ascertained.



Important

Do not wash your motorcycle right after use. When the motorcycle is still hot, water drops will evaporate faster and spot hot surfaces.
Never clean the motorcycle using hot or high-pressure water jets.
Cleaning the motorcycle with a high pressure water jet may lead to seizure or serious faults in forks, wheel hubs, electric system, headlight (fogging), fork seals, air inlets or exhaust silencers, with consequent loss of compliance with the safety requirements.
Clean off stubborn dirt or exceeding grease from engine parts using a degreasing agent. Be sure to avoid contact with drive parts (chain, sprockets, etc.).

Rinse with warm water and dry all surfaces with chamois leather.



Attention

Braking performance may be impaired immediately after washing the motorcycle. Never grease or lubricate the brake discs to avoid losing braking power. Clean the discs with an oil-free solvent.

Attention
The headlight might fog up due to washing, rain or moisture. Switch headlight on for a short time to help and dry up any condensate.

Carefully clean the phonic wheels of the ABS in order to ensure system efficiency. Do not use aggressive products in order to avoid damaging the phonic wheels and the sensors.

Pay special attention when cleaning the wheel rims since they have parts in machined aluminium; clean and dry them every time you use the vehicle.

Important
To clean and lubricate the drive chain, refer to the paragraph “Lubricating the drive chain”.

Attention
Avoid direct contact between instrument panel lens and oils/fuels that may stain or damage it thereby impairing information readability. To clean such parts, do not use alcohol-based detergents, containing solvent or abrasive agents; do not use sponges or cloths featuring hard or rough areas since they might scratch the surface.

Note
Clean instrument panel lens using soft cloths with water and mild soap or detergents specific for cleaning clear plastic parts.

Note
To clean the instrument panel do not use alcohol or its by-products.

Cleaning and replacing the spark plugs

Spark plugs are essential to smooth engine running and should be checked at regular intervals.
Have the spark plug replaced by a Ducati Dealer or an authorised Service Centre.

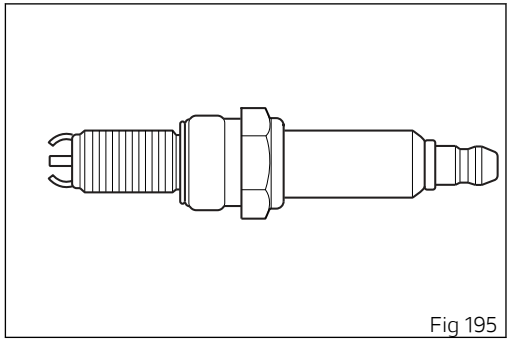


Fig 195

Storing the motorcycle

If the motorcycle is to be left unridden over long periods, it is advisable to carry out the following operations before storing it away:

- clean the motorcycle;
- empty the fuel tank;
- place the motorcycle on a service stand;
- disconnect, remove the battery and periodically charge it using the battery maintainer;
- protect the motorcycle with a suitable canvas. This will protect paintwork and let condensate breathe out. The canvas is available from Ducati Performance.

Important notes

Some countries, such as France, Germany, Great Britain, Europe, Switzerland, etc. have compulsory emission and noise standards that include mandatory inspections at regular intervals. Periodically carry out the required checks and renew parts as necessary, using Ducati original spare parts, in compliance with the regulations in the country concerned.

Scheduled maintenance chart

Scheduled maintenance chart: operations to be carried out by the dealer

Attention

This scheduled maintenance chart is designed for a road use of the Panigale V2. If it is used on the track, even if not during sport competitions, all parts of the motorcycle are more stressed so the routine maintenance operations must be carried out more frequently than indicated.

Attention

Please contact a Ducati Dealer or authorised Service Centre where you can receive customised service advice according to the sport use you make of your Panigale V2.

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1,000 mi. x1,000	1 0.6	12 7.5	24 15	36 22.5	48 30	Time (months)
Read the error memory with DDS 2.0 and check of Software version update on control units		●	●	●	●	●	12
Check the presence of any technical updates and recall campaigns		●	●	●	●	●	12
Change engine oil and filter		●	●	●	●	●	12

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1,000	1	12	24	36	48	Time (months)
	mi. x1,000	0.6	7.5	15	22.5	30	
Change engine oil mesh filter assembly				●		●	-
Check and/or adjust valve clearance				●		●	-
Change spark plugs				●		●	-
Check and clean air filter			●		●		-
Change air filter				●		●	-
Check brake and clutch fluid level		●	●	●	●	●	12
Change brake and clutch fluid							24
Check brake pads for wear. Change if necessary			●	●	●	●	12
Check the proper tightening of the front and rear brake calliper bolts and the front brake disc bolts			●	●	●	●	12
Check the proper tightening of the rear brake disc and phonic wheel bolts				●		●	-
Check front and rear wheel nuts and rear sprocket nut tightening			●	●	●	●	12
Check front and rear wheel hub bearings				●		●	-
Check the cush drive damper on rear sprocket				●		●	-

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1,000	1	12	24	36	48	Time (months)
	mi. x1,000	0.6	7.5	15	22.5	30	
Check and lubricate the rear wheel shaft				●		●	-
Check final drive (chain, front and rear sprocket) and sliding shoe wear Check final drive chain for stretch. Measured value:_____		●	●	●	●	●	12
Check final drive chain tension and lubrication		●	●	●	●	●	12
Check secondary air reeds and replace if necessary				●		●	-
Check play of steering tube bearings				●		●	24
Change front fork fluid							36
Visually check the front fork and rear shock absorber seals		●	●	●	●	●	12
Check for proper tightening of the frame-to-engine fasteners and swinging arm			●	●	●	●	-
Check the freedom of movement and tightening of the side stand		●	●	●	●	●	12

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1,000	1	12	24	36	48	Time (months)
	mi. x1,000	0.6	7.5	15	22.5	30	
Check that all gaiters and flexible hoses in view (e.g. flexible hoses for fuel, brake and clutch fluids, cooling system, bleeding, drainage, etc.) are not cracked, are properly sealing and positioned		●	●	●	●	●	12
Visually check coolant level		●	●	●	●	●	12
Change coolant						●	48
Check tyre pressure and wear		●	●	●	●	●	12
Check the battery charge level		●	●	●	●	●	12
Check the operation of all electric safety devices (clutch and side stand sensor, front and rear brake switches, engine kill switch, gear/neutral sensor)		●	●	●	●	●	12
Check lighting devices, turn indicators, horn and controls operation		●	●	●	●	●	12
Reset the Service indication through the DDS 2.0		●	●	●	●	●	12
Final inspection and road test of the motorcycle, testing safety devices (e.g. ABS and DTC), and idling		●	●	●	●	●	12
Check switching on and off of electric fans and checking for possible interference							

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1,000	1	12	24	36	48	Time (months)
	mi. x1,000	0.6	7.5	15	22.5	30	
Softly clean the motorcycle		●	●	●	●	●	12
Fill out that the service was performed in on-board documentation (Service Booklet)		●	●	●	●	●	12

* Service operation to be carried out in accordance with the specified distance or time intervals (km, miles or months), whichever occurs first.

Scheduled maintenance chart: operations to be carried out by the customer

Important

Using the motorcycle under extreme conditions, such as very damp and muddy roads or dusty and dry environment, could cause above-average wear of components like the drive system, the brakes or the air filter. If the air filter is dirty, the engine could get damaged. Therefore, this might translate in required service or replacement of the wear parts earlier than specified in the scheduled maintenance chart.

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1,000	1
	mi. x1,000	0.6
	Months	6
Check engine oil level		●
Check brake and clutch fluid level		●
Check tyre pressure and wear		●
Check the drive chain tension and lubrication		●
Check brake pads. If necessary, contact your dealer to replace components		●

* Service operation to be carried out in accordance with the specified distance or time intervals (km, miles or months), whichever occurs first.

Technical data

Weights

Overall Weight (in running order with 90% of fuel - 44/2014/EU Annex XI)	200 kg (440.92 lb).
Overall weight (without fluids and battery)	176 kg (388 lb).
Maximum allowed weight (carrying full load)	400 kg (881.85 lb).

Attention
Failure to observe weight limits could result in poor handling and impair the performance of your motorcycle, and you may lose control of the motorcycle.

Dimensions

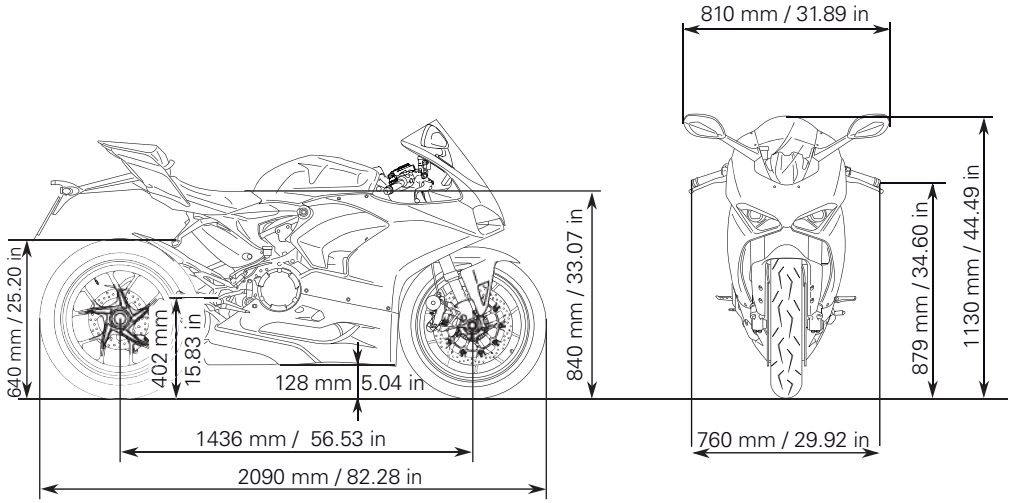


Fig 196

Fuel, lubricants and other fluids

TOP-UPS	TYPE	
Fuel tank, including a reserve of 5 litres (1.10 UK gal)	Ducati recommends SHELL V-Power unleaded premium fuel with a minimum of octane rating of RON 95	17 litres (3.74 UK gal)
Oil sump and filter	Ducati recommends use of SHELL Advance 4T Ultra 15W-50 (JASO: MA2, API: SN) SHELL Advance DUCATI 15W-50 Fully Synthetic Oil (UK VERSION)	3.8 litres (0.84 UK gal)
Front/rear brake and clutch circuits	DOT 4	-
Protectant for electric contacts	Protective spray for electric systems	-
Front fork	SHELL Donax TA	92 mm (3.62 in)
Cooling circuit	ENI Agip Permanent Spezial antifreeze (do not dilute, use pure)	2.3 litres (0.50 UK gal)

Important
Do not use any additives in fuel or lubricants. Using them could result in severe damage of the engine and motorcycle components.

Attention
The motorcycle is only compatible with fuel having a maximum content of ethanol of 10% (E10). Using fuel with ethanol content over 10% is forbidden. Using it could result in severe damage of the engine and motorcycle components. Using fuel with ethanol content over 10% will make the warranty null and void.

Important
These references indicate the fuel recommended for this vehicle as specified by the European regulation EN228.



Engine

Twin cylinder, four-stroke, 90° "L" type, longitudinal, with deep sump die-cast crankcase.

Bore: 100 mm (3.94 in)

Stroke: 60.8 mm (2.39 in)

Total displacement: 955 cu. cm (58.28 cu. in)

Compression ratio: 12.5:1 ± 0.5

Maximum power at crankshaft (EU) Regulation no. 134/2014, Annex X, kW/HP:
113.7 kW/155 HP at 10750 rpm

Max. power at crankshaft Regulation (EU) no. 134/2014 Annex X, kW/HP, for Belgium version only:
83 kW/113 HP at 8750 rpm

Max. power at crankshaft Regulation (EU) no. 134/2014 Annex X, kW/HP, for Russia version only:
110 kW/150 HP at 8750 rpm

Maximum torque at crankshaft (EU) Regulation no. 134/2014 Annex X:
104 Nm - 10.6 kgm at 9000 rpm

Max. torque at crankshaft Regulation (EU) no. 134/2014 Annex X, for Belgium version only:
94 Nm - 9.5 kgm at 8250 rpm

Max. torque at crankshaft Regulation (EU) no. 134/2014 Annex X, for Russia version only:
103 Nm - 10.5 kgm at 9000 rpm

Maximum rpm: 11,500



Important

Do not exceed the specified rpm limits in any running conditions.



Note

The indicated power/torque values have been measured with a static test bench according to type-approval standards and match with the data detected during type-approval process; they are indicated in the vehicle registration document.

Timing system

Double overhead camshaft (DOHC) driven by chain and gearwheels, 4 valves per cylinder, desmodromic system.

Desmodromic timing system

1) Opening (or upper) rocker arm;
2) Opening rocker shim;
3) Closing (or lower) rocker shim;
4) Return spring for lower rocker;
5) Closing (or lower) rocker;
6) Camshaft;
7) Valve.

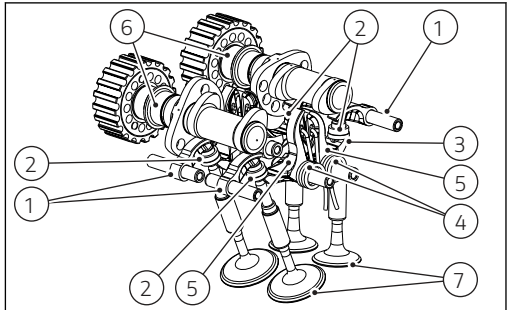


Fig 197

Performance data

Maximum speed in any gear should be reached only after a correct running-in period with the motorcycle properly serviced at the recommended intervals.

Important

Failure to follow these instructions releases Ducati Motor Holding S.p.A. from any liability whatsoever for any engine damage or shorter engine life.

Spark plugs

Make: NGK.
Type: MAR9A-J.

Fuel system

Inductive discharge indirect electronic injection.
Oval throttle body (corresponding diameter): 62 mm (2.44 in).
Injectors per cylinder: 2
Firing points per injector: 12
Fuel supply: 95-98 RON.

Attention

The motorcycle is only compatible with fuel having a maximum content of ethanol of 10% (E10). Using fuel with ethanol content over 10% is forbidden. Using it could result in severe damage of the engine and motorcycle components. Using fuel with ethanol content over 10% will make the warranty null and void.

Brakes

Separate-action anti-lock braking system operated by hall-type sensors mounted to each wheel with phonic wheel detection: ABS can be disabled.

FRONT

Semi-floating drilled twin-disc.
Braking material: stainless steel.
Carrier material: aluminium.
Disc diameter: 320 mm (12.60 in).
Disc braking surface: 219 sq. cm (33.94 in^2).
Brake disc thickness: 4.5 mm (0.18 in).
Maximum wear on disc thickness: 4.0 mm (0.16 in).
Hydraulically operated by a control lever on handlebar right-hand side.
Brake calliper make: BREMBO.

Type: Stylema® monobloc M4.32, radial mount (ABS Cornering EVO).
Number of pistons per calliper: 4.
Friction material: BRM11E HH.
Brake lever master cylinder diameter: 18 mm (0.71 in).

REAR

With fixed drilled stainless steel disc.
Disc diameter: 245 mm (9.6 in).
Disc braking surface: 190 sq. cm (29.45 in^2).
Brake disc thickness: 5 mm (0.2 in).
Maximum wear on disc thickness: 4.5 mm (0.18 in).
Hydraulically operated by a pedal on RH side.
Brake calliper make: BREMBO.
Number of pistons per calliper: 2.
Calliper piston diameter: 34 mm (1.73 in).
Bosch Cornering EVO ABS as standard.
Friction material: Ferodo Ferit I/D 450 FF.
Master cylinder type: PS 13.
Master cylinder diameter: 13 mm (0.51 in).

Attention

The brake fluid used in the brake system is corrosive.
In the event of accidental contact with eyes or skin, wash the affected area with abundant running water.

Transmission

Hydraulically-controlled slipper/self-servo wet multiplate clutch controlled by the lever on left-hand side of the handlebar.
Drive is transmitted from engine to gearbox primary shaft via spur gears.
Primary drive: 1.80:1
Front chain sprocket/clutch gearwheel ratio: 30/53
6-gear gearbox with Ducati Quick Shift (DQS) up/down EVO2, gear change pedal on left side of motorcycle.

Gearbox output sprocket/rear chain sprocket ratio: 15/43
Total gear ratios:
1st gear 15/37
2nd gear 16/30
3rd gear 18/27
4th gear 20/25
5th gear 22/24
6th gear 24/23

Drive chain from gearbox to rear wheel.
Make: chain REGINA 520 ZRDK
Links: 106

Important
The above gear ratios are the homologated ones and under no circumstances must they be modified.

However, if you wish to tune up your motorcycle for competitions or special tracks, Ducati Motor Holding S.p.A. will be pleased to provide information about the special ratios available. Contact a Ducati Dealer or Authorised Service Centre.

Attention
If the rear sprocket needs replacing, contact a Ducati Dealer or authorised Service Centre.
If improperly replaced, this component could seriously endanger your safety, as well as the passenger one, and cause irreparable damage to your motorcycle.

Frame
Cast monocoque frame in aluminium alloy.
Steering head angle: 24°
Steering angle: 24° LH side / 24° RH side
Trail: 94 mm (3.7 in).

Wheels
Front
five-spoke, light-alloy cast rim.
Size: MT3.50x17"

Rear
five-spoke, light-alloy cast rim.
Size: MT5.50x17"

Tyres
Front
Pirelli Diablo Rosso Corsa II "tubeless" radial type.
Size: 120/70 ZR17 M/C (58W).

Rear
Pirelli Diablo Rosso Corsa II "tubeless" radial type.
Size: 180/60 ZR17 M/C (75W).

Suspension
Front fork
Fully adjustable Showa BPF upside-down fork with chromed steel fork legs.
Stanchion diameter: 43 mm (1.7 in).
Wheel travel: 120 mm (4.7 in).

Rear shock absorber
Sachs monoshock, fully adjustable rebound and compression hydraulic damping.
Single-sided swinging arm.
Wheel travel: 130 mm (5.1 in).

Suspension travel: 65 mm (2.5 in).

Steering damper

Non-adjustable Sachs steering damper.

Exhaust system

"2 into 1" system.
Two Lambda sensors and two catalytic converters.

Available colours

DUCATI RED

- Primer: White Acriflex code L0040652;
- Varnish: Acriplast Red Stone SF code LMC06017;
- Wheel rim colour: Black.

Electric system

Basic electric items are:
Headlight type:
no.1 Luxeon Altilon LED + No.2 Luxeon F Plus LEDs (low beam);
No.1 Luxeon Altilon LED (high beam);
No.4 Luxeon F ES LEDs (parking light/DRL).
LED front turn indicator type:
No.15 OSRAM LYE6SF LEDs
LED rear turn indicator type (Europe version):
No.1 PHILIPS LXM2-PL01 LED
BULB rear turn indicator type (USA version):
RY10W (12V-10W) Amber.
Tail light type:
No. 18 LEDs OSRAM LAA67F.
LED stop lights type:
No.18 OSRAM LAE6SF LEDs
LED number plate light type:
No. 3 CREE CLA1A-WKW LEDs.
Horn.
Stop light switches.
Sealed electrolyte type battery:
YUASA YT 7B-BS (12V - 6.5Ah)
Generator:
14V - 510W.
ELECTRONIC RECTIFIER, protected by a 30A fuse located on the solenoid starter, next to the battery.
Starter motor:
Denso 12V - 0.6 kW

Note

For bulb replacement instructions, please see the paragraph "Replacing the high and low beam bulbs".

Fuses

There are fuses that protect the electric components, located inside the front fuse boxes, and one on the electric solenoid starter. There is a spare fuse in every box.

Refer to the table below to identify the circuits protected by the various fuses and their ratings.

The front left fuse box (A) and the front right one (B) are located above the battery.

To access the fuses, remove the left-hand side fairing.

To expose the fuses, lift the box protective cover.

Mounting position and ampere capacity are marked on box cover.

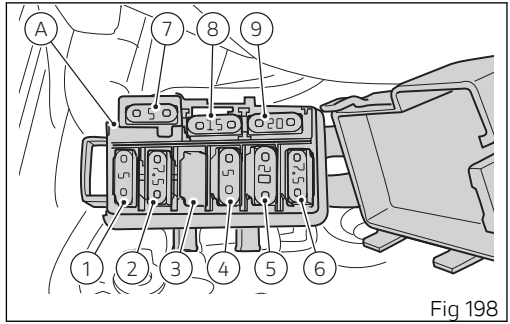


Fig 198

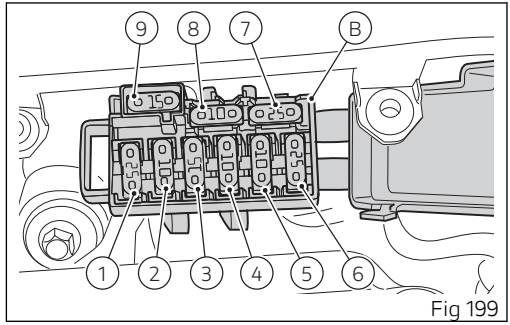


Fig 199

Front left fuse box (A) key		
Pos	El. item	Rat.
1	EMS/ABS/IMU	5 A
2	DASH/BBS/SMEC	7.5 A
3	-	-
4	Accessories (SW)	5 A
5	Injection relay	20 A
6	Diagnostics/ Recharge	7.5 A
7	Spare	5 A
8	Spare	15 A
9	Spare	20 A

Front right fuse box (B) key		
Pos	El. item	Rat.
1	ABS 1	25 A
2	ABS 2	10 A
3	Instrument panel	15 A
4	Black Box System (BBS)	10 A

Front right fuse box (B) key		
5	Fuel pump relay	10 A
6	EMS powered relays	25 A
7	Spare	15 A
8	Spare	10A
9	Spare	25 A

To access the main starter fuse, starter refer remove the left-hand side half-fairing.
The 30A main starter fuse (C) is located next to the battery, on the right side of the fuse box. Remove the protection cover cap to reach it.
The spare 30A fuses (D) are located on the solenoid starter(E); remove the protection cap to reach them.

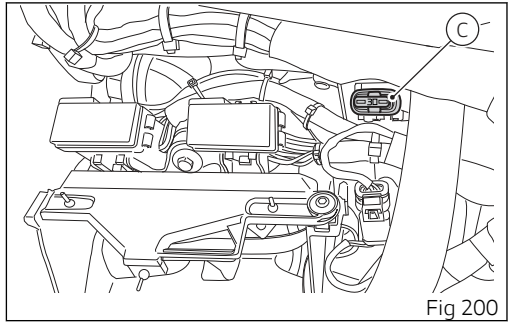


Fig 200

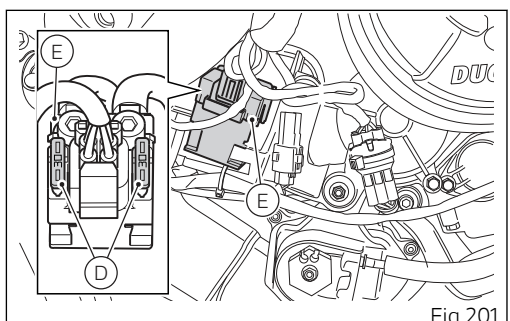


Fig 201

A blown fuse can be identified by breakage of the inner filament (F).

Important
Switch the ignition key to OFF before replacing the fuse to avoid possible short-circuits.

Attention
Never use a fuse with a rating other than specified. Failure to observe this rule may damage the electric system or even cause fire.

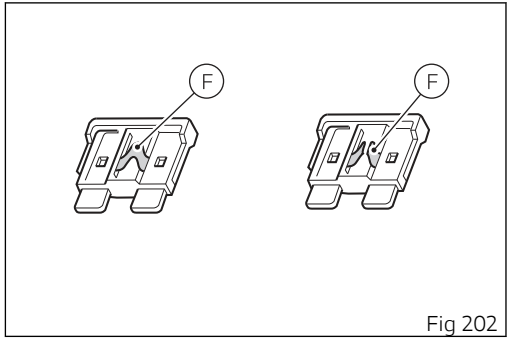


Fig 202

Routine maintenance record

Routine maintenance record

KM	NAME DUCATI SERVICE	MILEAGE	DATE
1000			
12000			
24000			
36000			
48000			
60000			

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