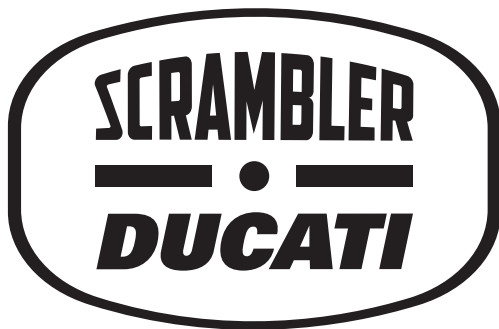


Owner's manual

Owner's manual

ENGLISH



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.

This manual must be preserved with care. If it is lost or becomes damaged, contact a Ducati Dealer or authorised Service Centre without delay to obtain a new copy of the manual.

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.

Any and all reproduction or spreading of the contents herein in whole or in part is forbidden. All rights reserved to Ducati Motor Holding S.p.A. Any request for written authorisation shall be addressed to this company, specifying the reasons for request.

Enjoy your ride!

Table of contents

Introduction	6
Safety guidelines	6
Warning symbols used in the manual	7
Intended use	7
Rider's obligations	8
Rider's training	9
Apparel	9
Safety "Best Practices"	10
Refuelling	12
Carrying the maximum load allowed	13
Information about carrying capacity	13
Dangerous products - warnings	14
Vehicle identification number	15
Engine identification number	16
Italia Independent Limited Edition	17
Instrument panel (Dashboard)	18
Instrument panel	18
Acronyms and abbreviations used in the Manual	22
Technological Dictionary	23
Function push-buttons	24
Parameter setting/displaying	25
Main functions	30
Motorcycle speed	32
Engine rpm indication (RPM)	33
Menu 1 functions	35
Odometer (TOT)	36
Trip meter 1 (TRIP 1)	37
Trip meter 2 (TRIP 2)	38
Partial fuel reserve counter (TRIP FUEL)	39
Ambient air temperature (AIR)	41
Errors	42
Error warnings	43
Displayed errors description	44
Clock	48
High engine temperature	49
Service indication (SERVICE)	50
OIL SERVICE zero warning	51
DESMO SERVICE countdown indication	52
DESMO SERVICE indication	53
Setting menu	54

ABS control uni enabling/disabling 57
Battery voltage 60
Instrument panel back-lighting setting
(B.LIGHT) 62
Clock setting function (CLOCK) 64
Pin Code 67
Changing the PIN CODE 71
Setting the units of measurement 76
Light control 83
Immobilizer system 86
Keys 87
Operation 88
Duplicate keys 89
Entering PIN CODE function for overriding
purposes 90

Controls 94

Position of motorcycle controls 94
Key-operated ignition switch and steering
lock 95
Left-hand switch 96
Clutch lever 97
Right-hand switch 100
Throttle twistgrip 101
Front brake lever 102

Rear brake pedal 103
Gear change pedal 104
Adjusting the position of the gearchange pedal and
rear brake pedal 105

Main components and devices 107

Position on the vehicle 107
Tank filler plug 108
Seat lock 109
Side stand 111
USB connection 112
Adjusting the rear shock absorber 113

Riding the motorcycle 115

Running-in recommendations 115
Pre-ride checks 117
ABS device 119
Starting the engine 120
Moving off 122
Braking 123
Stopping the motorcycle 125
Parking 126
Refuelling 127
Tool kit and accessories 128

Main maintenance operations 131

- Check brake fluid level 131
- Changing the air filter 132
- Checking brake pads for wear 133
- Charging the battery 134
- Lubricating cables and joints 138
- Adjusting the throttle cable 139
- Checking drive chain tension 140
- Lubricating the drive chain 142
- Replacing the headlight bulbs 143
- Changing the turn indicator bulbs 146
- Aligning the headlight 147
- Adjusting the rear-view mirrors 149
- Tubeless tyres 150
- Check engine oil level 152
- Cleaning and replacing the spark plugs 154
- Cleaning the motorcycle 155
- Storing the motorcycle 157
- Important notes 157

Scheduled maintenance chart 158

- Scheduled maintenance chart: operations to be carried out by the dealer 158
- Scheduled maintenance chart: operations to be carried out by the Customer 162

Technical data 163

- Weights 163
- Dimensions 164
- Fuel, lubricants and other fluids 165
- Engine 167
- Timing system 168
- Performance data 169
- Spark plugs 169
- Fuel system 169
- Brakes 169
- Transmission 170
- Frame 171
- Wheels 171
- Tyres 171
- Suspensions 171
- Exhaust system 172
- Available colours 172
- Electric system 173

Routine maintenance record 178

- Routine maintenance record 178

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 158.

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.

Warning

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

Warning

This motorcycle is designed for on-road use, may be used occasionally on dirt trail. Usage in conditions for which it was not designed (e.g. heavy off-road use) can lead to loss of control of the motorcycle, increasing the risk of a crash.

Warning

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.

This motorcycle carries the rider and can carry a passenger.

Warning

The total weight of the motorcycle in running order including rider, passenger, luggage and additional accessories should not exceed 365kg/ 805lb.



Warning

Make sure that mirror position is suitable for the rider's style and ergonomics: also check that rear-view mirrors ensure proper visibility at the sides and back.



Warning

With bike at a standstill, check that rear-view mirrors allow proper steering manoeuvres.



Important

Rear-view mirrors are type-approved for installation both in the bottom and in the top position. Should you wish to change their position to the other one admitted, contact a Ducati dealer or authorised service centre.

Rider's obligations

All riders must hold a valid licence.



Warning

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.



Warning

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.



Warning

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.



Warning

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.



Warning

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



Warning

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



Warning

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.



Warning

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 8; 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.



Important

Have your passenger wear proper protective clothing.

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.



Warning

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 120).



Warning

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



Warning

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 and ensure your passenger does the same.



Important

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



Important

Both rider and passenger should keep their feet on the footpegs when the motorcycle is in motion.



Important

The passenger should always hold on to the grab handles under the seat with both hands.



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.



Warning

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.).



Warning

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

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.



Warning

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.



Warning

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.



Warning

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.

Warning

The maximum speed permitted with the side bags and top case fitted must not exceed 130 km/h and at any rate it must comply with the applicable statutory speed limits.

Warning

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.

Warning

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

Refer to paragraph "Tyres" on page 150.


Dangerous products - warnings Used engine oil


 **Warning**
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

 **Warning**
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.

 **Warning**
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.

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

Vehicle identification number

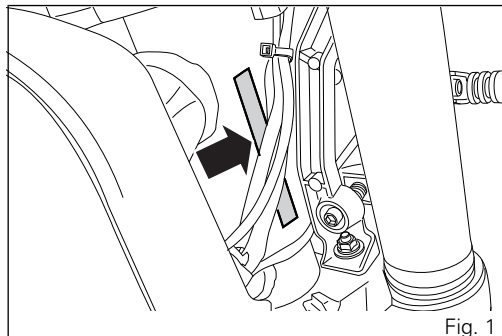


Note

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

It is recommended to record the frame number (Fig. 1) of your motorcycle in the space below.

Frame number



Engine identification number



Note

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

It is recommended to record the number of your motorcycle's engine (Fig. 2) in the space below.

Engine number

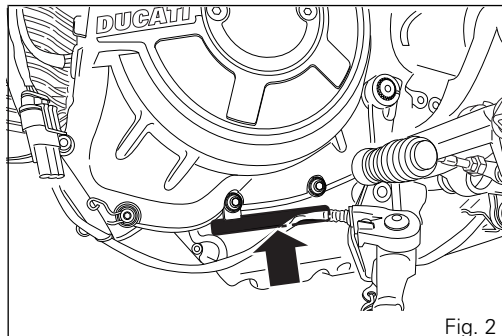


Fig. 2

Italia Independent Limited Edition



Note

This exclusive model was produced in a limited edition of units. Each motorcycle has a nameplate (see figure) - located on the front RH side of the frame - which indicates the progressive serial number.

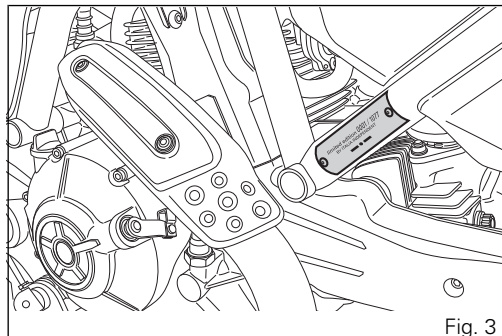


Fig. 3

Instrument panel (Dashboard)

Instrument panel

1) LCD.

2) REV COUNTER (rpm).

It indicates engine rpm value.

3) NEUTRAL LIGHT N (GREEN).

Comes on when in neutral position.

4) HIGH BEAM LIGHT  (BLUE).


It turns on to indicate that the high beam lights are on and when the flasher is activated.

5) ENGINE OIL PRESSURE LIGHT  (RED).

Comes on when engine oil pressure is too low. It must turn on at "KEY-ON", but must turn OFF a few seconds after the engine has started. It may shortly come on when the engine is hot, however, it should go out as the engine revs up.


Important

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

6) FUEL WARNING LIGHT  (AMBER YELLOW).
Comes on when fuel is low and there are about 4 litres of fuel left in the tank.

7) TURN INDICATOR LIGHTS  (GREEN).

A warning light turns on and blinks when the relevant turn indicator is active; when the warning lights blink at the same time, the HAZARD function is active.

8) "ENGINE/VEHICLE DIAGNOSIS - EOBD" LIGHT  (AMBER YELLOW).

It turns on in the case of "engine" and/or "vehicle" errors and in some cases will lock the engine.

9) ABS LIGHTS  (AMBER YELLOW).

This turns on to indicate that ABS is disabled or not functioning.

Engine OFF / speed below 5 Km/h		
Light OFF	Light flashing	Light steady on
-	ABS disabled with the menu function "ABS"	ABS enabled, but not functioning yet
Engine on / speed below 5 Km/h		
Light OFF	Light flashing	Light steady on
-	ABS disabled with the menu function "ABS"	ABS enabled, but not functioning yet
Engine on / speed above 5 km/h		
Light OFF	Light flashing	Light steady on
ABS enabled and functioning	ABS disabled with the menu function "ABS"	ABS disabled and not functioning due to a problem

10) OVER REV / IMMOBILIZER / ANTI-THEFT SYSTEM (RED)

	Over rev
No intervention	Light OFF
First threshold (N RPM before the limiter kicks in)	Light steady ON
Limiter	Light ON flashing



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
Key-ON status	Light OFF
Key-OFF status	Light ON flashing
Key-OFF status for over 12 hours	Light OFF

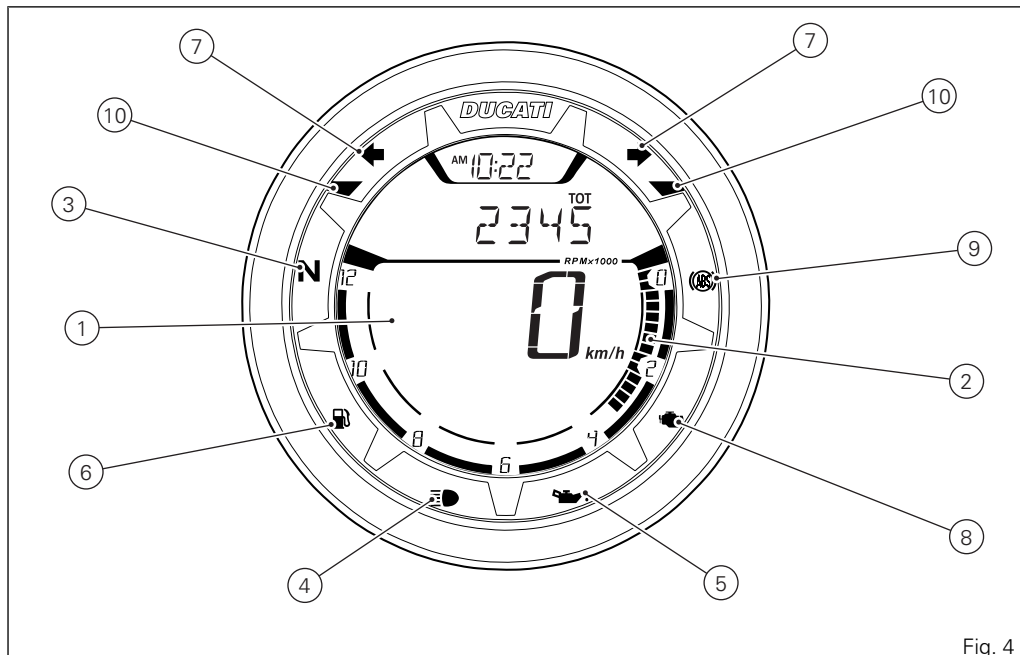


Fig. 4

Acronyms and abbreviations used in the Manual

ABS

Antilock Braking System

CAN

Controller Area Network

DDA

DUCATI Data Acquisition

DSB

Dashboard

ECU

Engine Control Unit

Technological Dictionary

Anti-lock Braking System (ABS) 9M

ABS 9M system is a two-channel latest-generation system that actuates combined braking with anti lift-up function for the rear wheel so as to guarantee not only a reduced stopping distance, but also a higher stability under braking.

Function push-buttons

1) UP CONTROL SWITCH "▲"

Button used to display and set instrument panel parameters with the position "▲".

2) DOWN CONTROL SWITCH "▼"

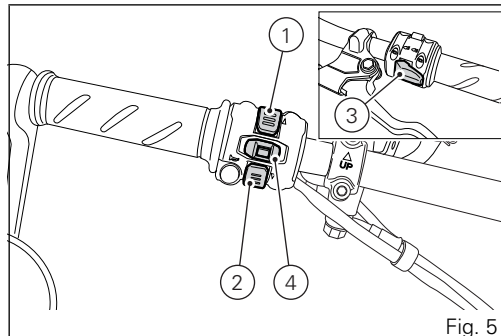
Button used to display and set instrument panel parameters with the position "▼".

3) HIGH-BEAM FLASH BUTTON (FLASH)

This button is the high-beam flasher.

4) TURN INDICATORS CANCEL BUTTON

The turn indicators cancel button may also be used for the CONFIRM MENU function, for selecting the riding mode. Push this button for 3 seconds to the left side to activate the "Hazard" function (all 4 turn indicators).



Parameter setting/displaying

Upon key-on, the instrument panel:

- turns on the display backlighting;
- activates the rev counter which increases from 0 to 12000 and decreases back to 0;
- activates the vehicle speed digits and shows a counting from 0 to 300 and then back to 0;
- turns on the warning lights from right to left.

At the end of the check, the instrument panel displays the main screen ("standard screen") showing the available functions and turns on the warning lights, if necessary.

During this first check stage, if the motorcycle speed exceeds 20 km/h (actual speed), the instrument panel will stop:

- the display check routine and display the standard screen containing updated information;
- the warning light check routine and leave ON only the warning lights that are actually active at the moment.

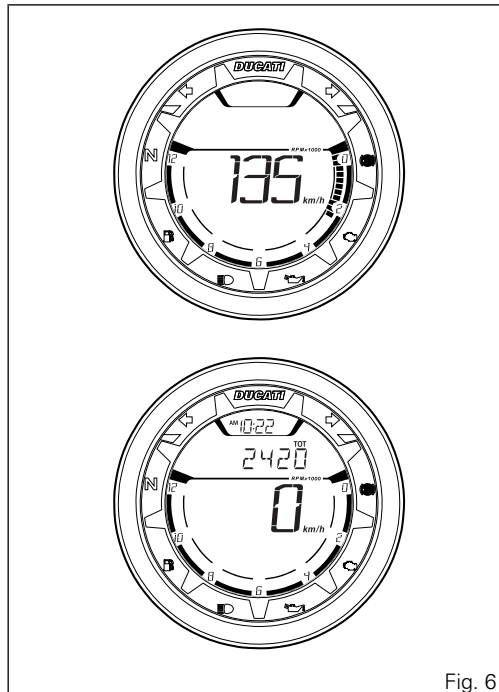


Fig. 6

Data displayed on the main screen are as follows:

- 1) Engine speed.
- 2) Motorcycle speed.
- 3) MENU 1 (Odometer, Trip 1, Trip 2, Trip Fuel, Air temperature, Error warning - only if active).
- 4) Clock.
- 5) SERVICE indication (only if active).
- 6) Setting menu.
- 7) Side stand status.

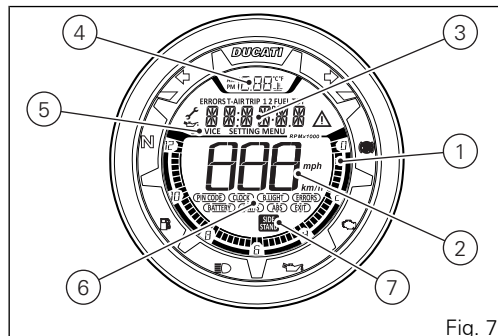


Fig. 7

From the main screen, press button (2) on LH switch to view Menu 1 information.

- Odometer (TOT);
- TRIP 1;
- TRIP 2;
- TRIP FUEL (when function is active);
- T – AIR.

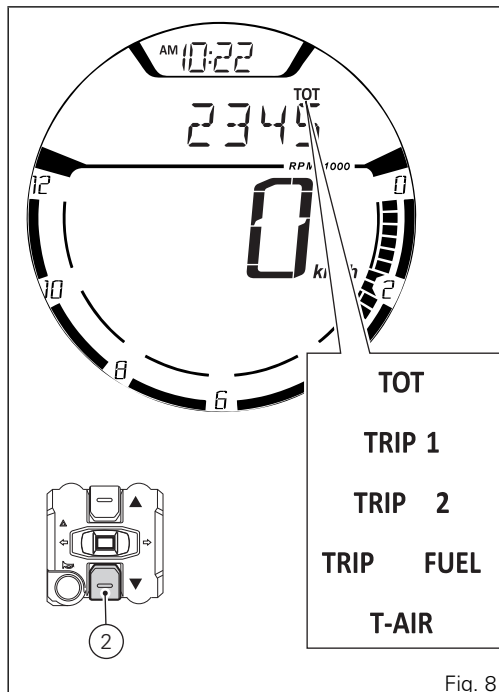


Fig. 8

The instrument panel stores Menu 1 settings in use upon KEY-OFF. On the following KEY-ON, previously stored Menu 1 pages are displayed.

In case of sudden and unexpected power OFF, the instrument panel displays the default settings upon the following KEY-ON:

- Menu 1 default page = Odometer (TOT).

Upon KEY-ON, for every display layout, instrument panel shows for 10 seconds in Menu 1 the "Odometer" page and then shows the page saved upon previous KEY-OFF.

If the instrument panel detects that the voltage generated to power the control buttons is not within the established range, it activates the safety mode:

- activation of all four turn indicators;
- deactivation of high beam lights, if they are on;
- activation of low beam lights;
- activation of the flashing oil pressure light;
- display of main page, with TRIP FUEL displayed, if active.

If this condition occurs, contact a Ducati Dealer or Authorised Service Centre.

Hold the button (2) for 3 seconds, when actual motorcycle speed is \leq (lower than or equal to) 20 km/h, to enter the Setting Menu, where you can set any function.



Important

You can enter the SETTING MENU only if vehicle actual speed is \leq (lower than or equal to) 20 km/h. Within the SETTING MENU, if vehicle actual speed exceeds 20 km/h, the instrument panel automatically quits the menu and shows the standard screen.

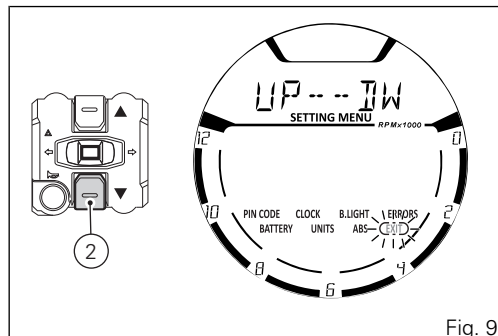


Fig. 9

Main functions

The functions displayed in the Standard screen are the following:

Main information

- Motorcycle speed
- Engine rpm indication (RPM)
- Menu 1 displays the following functions:
 - Odometer (TOT)
 - Trip meter 1 (TRIP 1)
 - Trip meter 2 (TRIP 2)
 - Partial fuel reserve counter (TRIP FUEL)
 - Ambient air temperature (AIR)
 - Clock

Additional information

- Service indication (SERVICE)
- ERROR indication

The functions within the Setting Menu that can be modified by the user are the following:

- PIN CODE (activation and modification of PIN CODE);
CLOCK (clock settings);
LIGHT (backlighting settings);
BATTERY (battery voltage indication);
UNITS (units of measurement settings);
ABS (ABS control unit enabling/disabling);
EXIT (to quit the Setting Menu)

Motorcycle speed

This function allows displaying the vehicle speed (km/h or mph according to the specific application).

The instrument panel receives information about the actual motorcycle speed (calculated in km/h) and displays the value increased by 5% and converted in the set unit of measurement (km/h or mph).

The max. displayed speed is 299 km/h (186 mph).

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

- speed is higher than 299 km/h or 186 mph or if instrument panel is not receiving the speed value ("---" steady ON);
- the rear speed sensor is in fault (flashing "---").

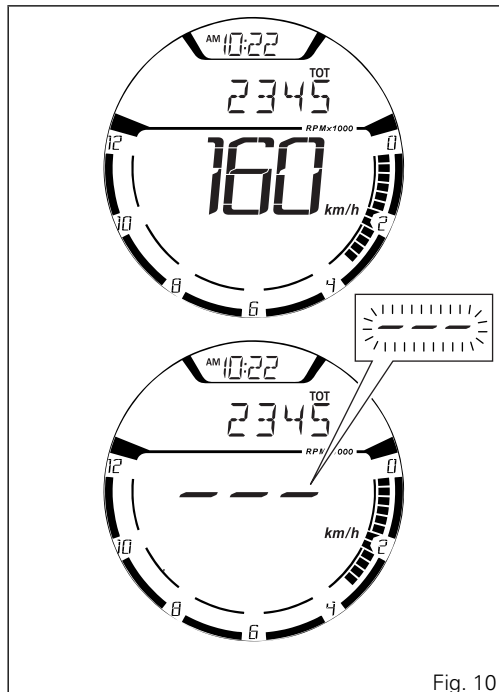


Fig. 10

Engine rpm indication (RPM)

This function allows displaying engine rpm. Instrument panel receives rpm value and displays it. The information is displayed by the bargraph filling from the right to the left according to the engine rpm.

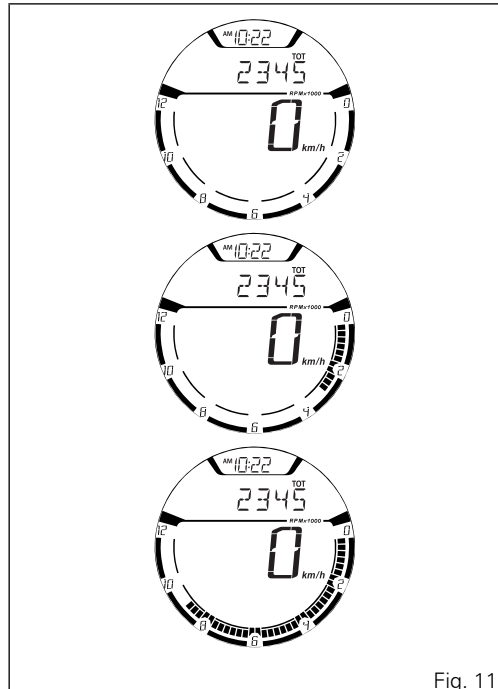


Fig. 11

The thresholds before the rpm limiter are:
1st threshold 8900 rpm (A).
When the rev limiter value (B) is reached, the warning lights start flashing.

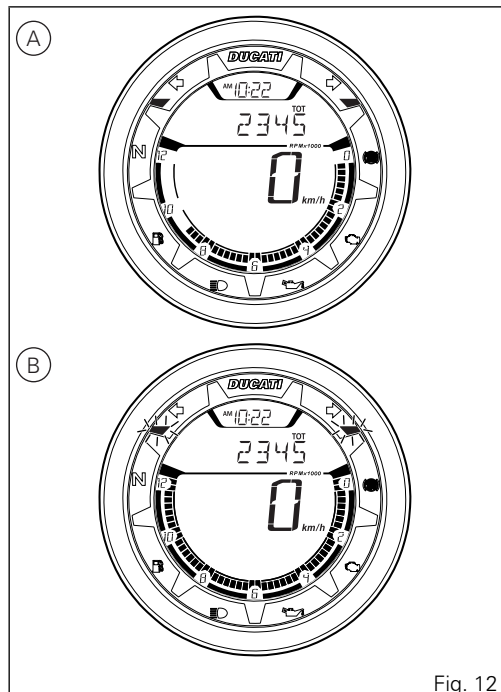


Fig. 12

Menu 1 functions

MENU 1 functions are:

- Odometer (TOT);
- Trip meter 1 (TRIP 1);
- Trip meter 2 (TRIP 2);
- Partial fuel reserve counter (TRIP FUEL);
- Ambient air temperature (T-AIR).

By pressing button (2) it is possible to view the functions of MENU 1.

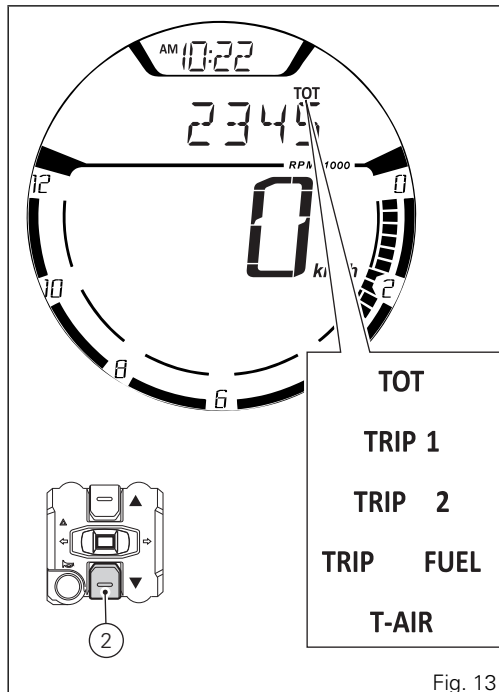


Fig. 13

Odometer (TOT)

The odometer counts and displays the total distance covered by the motorcycle with the set unit of measurement (km or mi).

The odometer number (in km or miles) is displayed with the message TOT and the indication of the unit of measurement. When the maximum value is reached (199999 km or 199999 mi) the instrument panel will permanently display said value.

The odometer value is saved permanently and cannot be reset under any circumstances.

The reading is not lost in case of a power OFF (Battery OFF).

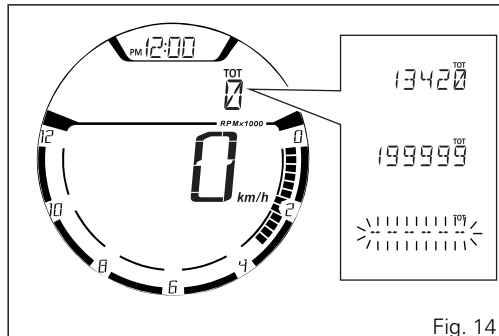


Fig. 14



Note

Upon Key-ON, the instrument panel always shows the Odometer indication for 10 seconds, then shows the user's settings page.



Note

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

Trip meter 1 (TRIP 1)

The trip meter counts and displays the partial distance covered by the motorcycle with the set unit of measurement (km or mi).

When the reading exceeds the maximum value of 9999.9 km or 9999.9 mi, distance travelled is reset and the meter automatically starts counting from 0 again.

While the trip meter is displayed, press button (1) for 3 seconds to reset TRIP 1.

The TRIP 1 counter is automatically reset in case the system unit of measurement is changed manually or if the power supply is interrupted (faulty battery): the counter will then start back from zero, considering the new units of measurement.

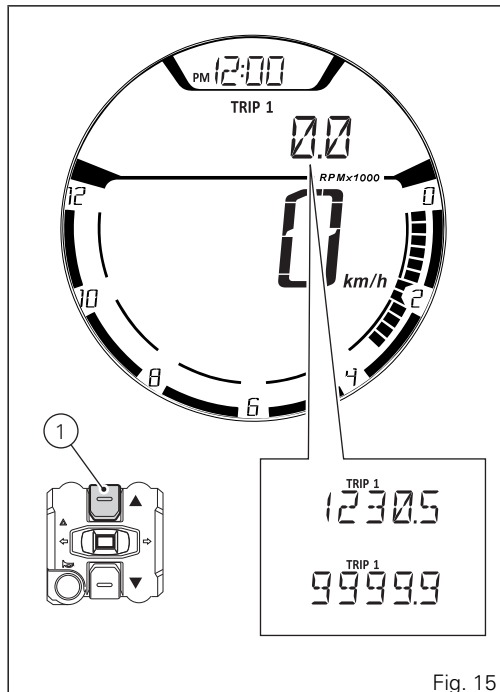


Fig. 15

Trip meter 2 (TRIP 2)

The trip meter counts and displays the partial distance covered by the motorcycle with the set unit of measurement (km or mi).

When the reading exceeds the maximum value of 9999.9 km or 9999.9 mi, distance travelled is reset and the meter automatically starts counting from 0 again.

While the trip meter is displayed, press button (1) for 3 seconds to reset TRIP 2.

The TRIP 2 counter is automatically reset in case the system unit of measurement is changed manually or if the power supply is interrupted (faulty battery): the counter will then start back from zero, considering the new units of measurement.

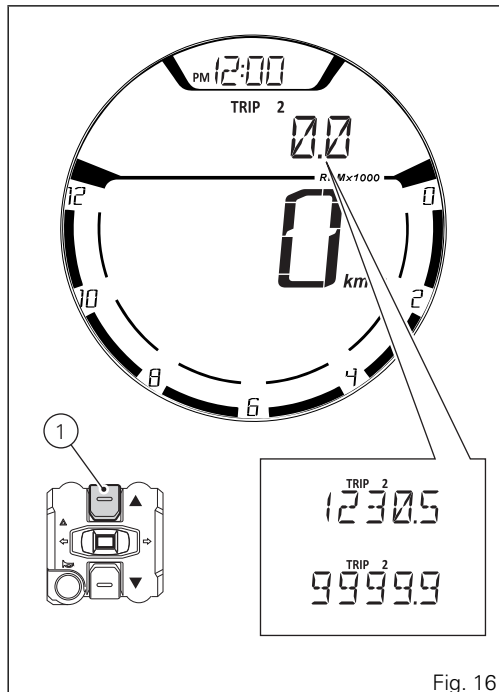


Fig. 16

Partial fuel reserve counter (TRIP FUEL)

The fuel trip meter counts and displays the distance covered by the motorcycle on reserve (since the low fuel light turns on) with the set unit of measurement (km or mi).

When the Low Fuel Light (A) turns on, the display automatically shows the TRIP FUEL function, regardless of the currently displayed function; then, it is possible to toggle through the other Menu functions using button (2).

Trip fuel reading remains stored even after Key-Off until the motorcycle is refuelled. Count is interrupted automatically as soon as fuel is topped up to above minimum level.

When the reading exceeds the maximum value of 9999.9 km or 9999.9 mi, distance travelled is reset and the meter automatically starts counting from 0 again.

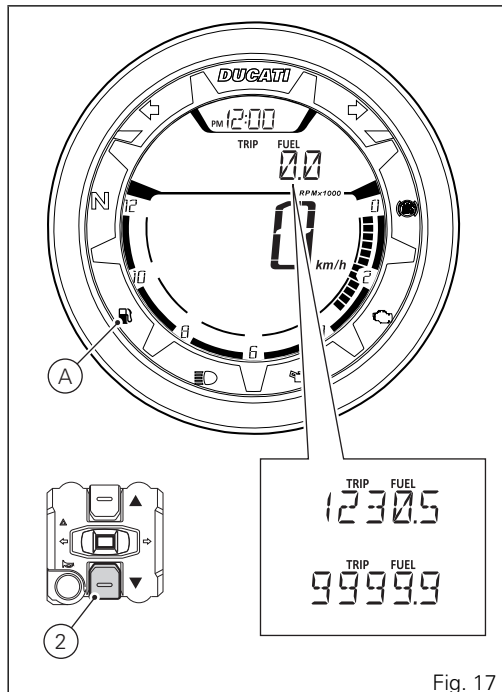


Fig. 17



Note

If the system measurement units are changed at any moment, or if there is an interruption in the power supply (Battery Off), the distance travelled is reset and the count starts from zero (considering the newly set unit of measurement).

Ambient air temperature (AIR)

The instrument panel displays the ambient temperature in the set unit of measurement ($^{\circ}\text{C}$ or $^{\circ}\text{F}$), followed by the set unit of measurement and the message T-AIR. The temperature value is displayed when ranging from -39°C to $+124^{\circ}\text{C}$ (or -38°F ÷ $+255^{\circ}\text{F}$). For any different temperature (below -39°C (-38°F) or above $+124^{\circ}\text{C}$ ($+255^{\circ}\text{F}$)) a string of three dashes " - - - " is steadily displayed, followed by the unit of measurement.

If the air temperature sensor is in fault, the instrument panel will show three flashing dashes " - - - " as air temperature value, followed by the unit of measurement and the EOBd light will turn on.



Note

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

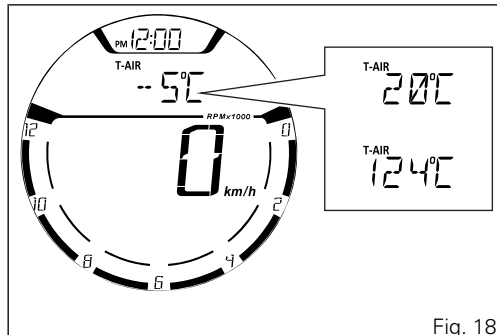


Fig. 18

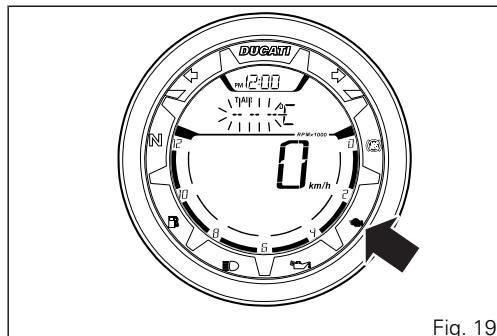


Fig. 19

Errors

The instrument panel manages error warnings in order to allow the rider to identify any abnormal motorcycle behaviour in real time.

Upon Key-ON - if there are active errors - or during normal operation of the vehicle - whenever an error is triggered - the instrument panel turns the EOBd light and Warning symbol ON and indicates the triggered error.

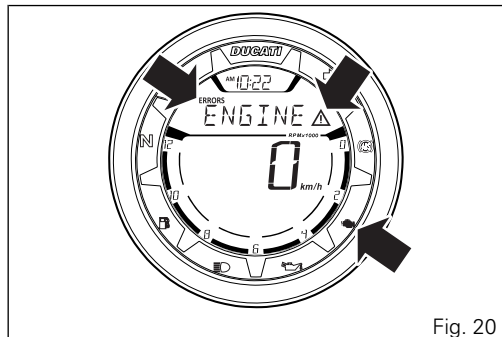


Fig. 20

Error warnings

Any active errors are displayed in the MENU. MENU functions can still be viewed by pressing button (2).

If several errors are active, the corresponding indications will be displayed one after the other, each remaining on display for 3 seconds.

When an error is triggered the EOBD light turns on as well.

Warning

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

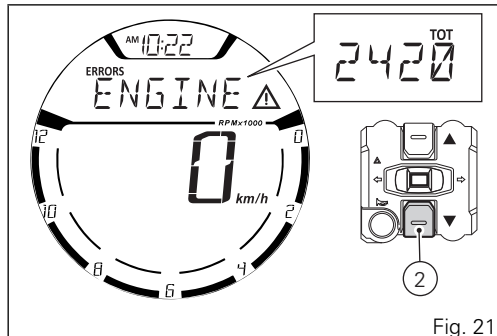











Fig. 21

Displayed errors description

Displayed error	Description
ENGINE	Throttle position sensor malfunction
	Throttle motor or relay malfunction (stepper motor)
	Pressure sensor malfunction
	Engine coolant temperature sensor malfunction
	Injection relay malfunction
	Ignition coil malfunction
	Injector malfunction
	Engine rpm sensor malfunction
	Lambda sensor or Lambda sensor heater malfunction
	Motorcycle starting relay malfunction
	Secondary air system valve malfunction
AIR – T.	Ambient air temperature sensor malfunction
BATT.	Battery voltage too high or too low
FUEL	Reserve NTC sensor malfunction
ABS	ABS control unit faulty communication / operation
	Front and/or rear speed sensor malfunction
CAN	CAN line error (communication line across all control units)

Displayed error	Description
IMMO	Generic error
DSB	DSB control unit faulty communication / operation
SD.STND	Side stand sensor not working

Error icons table

WARNING LIGHT / ERROR MESSAGE	ERROR
 ENGINE	Engine control unit
 AIR – T.	Air temperature sensor
 BATT.	Battery voltage
 SPEED	Speed sensor
 FUEL	Low fuel sensor
 ABS	ABS control unit
 CAN	Can Bus OFF
 IMMO	Immobilizer antenna
 DSB	Instrument panel control unit

WARNING LIGHT / ERROR MESSAGE**ERROR**



SD.STND

Side stand sensor

Clock

The instrument panel receives information about the time to be displayed.

The instrument panel shows the time in the following format:

- hh (hours) : mm (minutes);
- with the message AM (for values ranging between 0:00 and 11:59), or PM (for values ranging between 12:00 and 12:59 and between 1:00 and 11:59).

In case of power supply interruption (faulty battery), the clock is reset and starts automatically from "0:00".

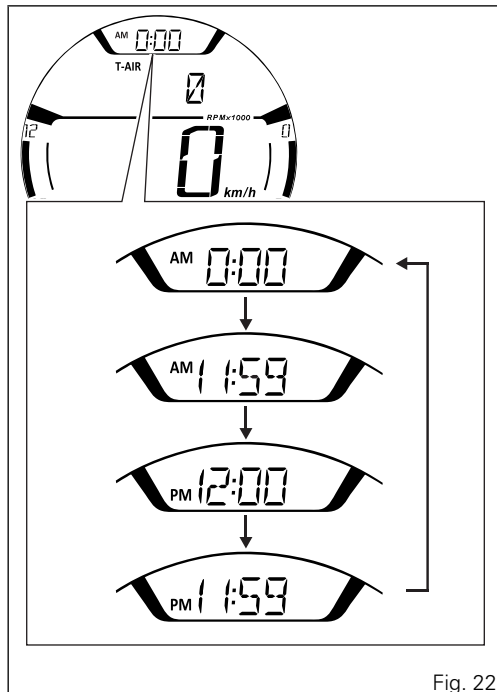


Fig. 22

High engine temperature

This Function shows an alert indicating that engine temperature reached high values: warning triggers when engine temperature exceeds 200°C.

- flashing HI message;
- steady temperature icon and set unit of measurement (°C or °F).



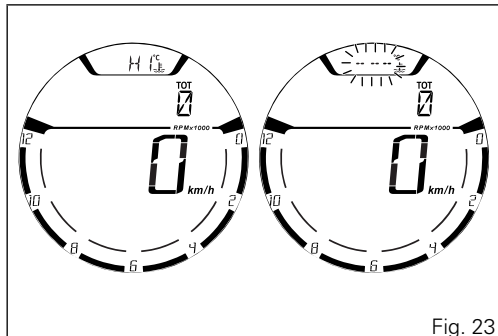
Note

When this warning is triggered, the instrument panel will not display the clock until value gets equal to or below 200°C.



Note

If engine temperature sensor is in fault or if instrument panel is not receiving engine temperature information, a string of flashing dashes "--" is displayed.



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 Authorised Ducati Service Centre during servicing.

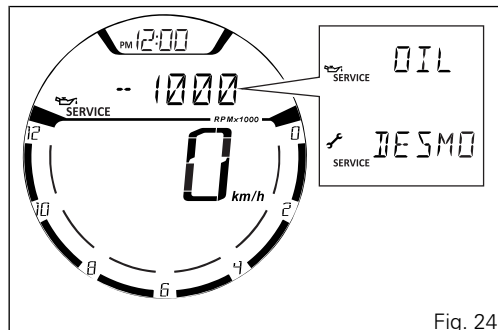


Fig. 24

OIL SERVICE zero warning

The first maintenance indication is OIL SERVICE zero, enabled for 5 seconds upon each key-on when the odometer counter reaches the first 1,000 km (600 mi).

The indication includes displaying for 5 seconds the flashing message "SERVICE", the Oil symbol and the message "OIL" upon each Key-ON; after 5 seconds, both the message "SERVICE" and the Oil symbol become steady until Key-OFF or until an Authorised Ducati Service Centre performs a reset.

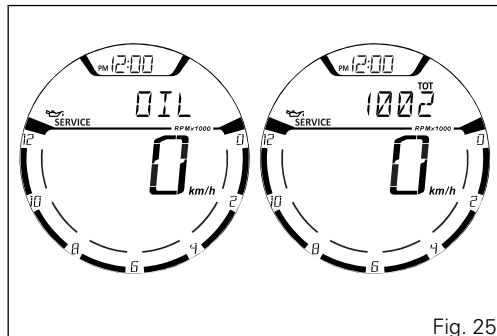


Fig. 25

DESMO SERVICE countdown indication

After OIL SERVICE zero indication first reset (at 1,000 km - 600 mi), the instrument panel activates the countdown of the kilometres (or miles) left before the following service operation: DESMO SERVICE.

The kilometre count indication is shown upon Key-ON for 2 seconds; when there are 1,000 km (600 miles) left before the next service operation, the indication turns on upon every Key-ON for 5 seconds.

In other words, upon key-on the message "SERVICE" and the Desmo symbol are displayed together with the indication of the kilometres left before the following service operation.

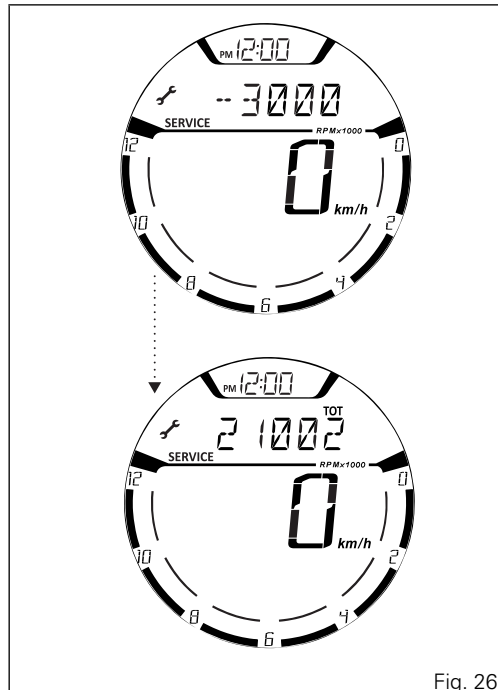


Fig. 26

DESMO SERVICE indication

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

The indication includes displaying for 5 seconds the flashing message "SERVICE", the Desmo symbol and the message "DESMO" upon each Key-ON; after 5 seconds, both the message "SERVICE" and the Desmo symbol become steady until Key-OFF or until an Authorised Ducati Service Centre performs a reset.

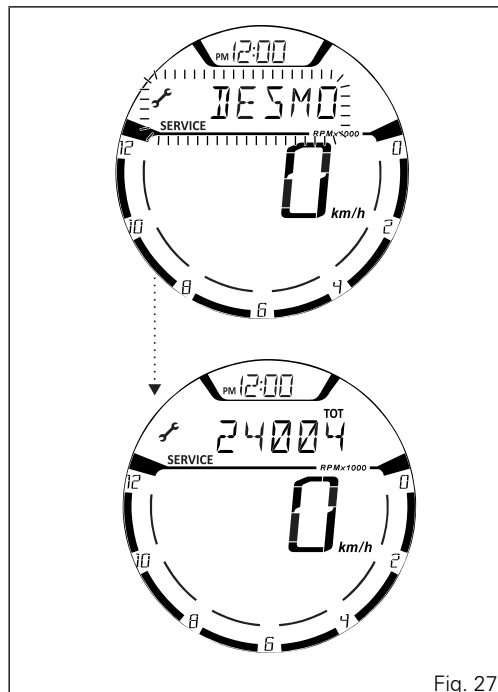


Fig. 27

Setting menu

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

To enter the SETTING MENU it is necessary to hold button (3) for 2 seconds, with Key-ON and motorcycle actual speed (lower than or equal to) 20 km/h: within this menu, it is no longer possible to view any other function.

The SETTING MENU displays the following functions:

- PIN CODE (activation and modification of PIN CODE);
- CLOCK (clock settings);
- B.LIGHT (backlighting settings);
- BATTERY (battery voltage indication);
- UNITS (units of measurement settings);
- ABS (ABS control unit enabling/disabling);
- EXIT (to quit the Setting Menu).

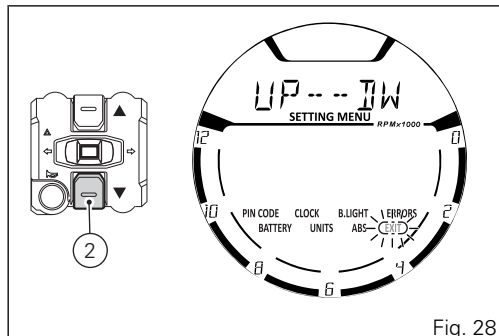


Fig. 28

For safety reasons, the setting menu can be accessed only when vehicle speed is below or equal to 20 Km/h; if this menu is accessed and vehicle speed is above 20 Km/h, the instrument panel will automatically quit it and shift back to main screen. Press buttons (1) and (2) to highlight the customisable parameters one by one: in particular, use button (2) to highlight the following item and button (1) to highlight the previous item.

After highlighting the required parameter, press button (4) to open the corresponding MENU (M) page.

If function is not available or temporarily disabled, the MENU page can not be opened.

To quit the SETTING MENU you shall highlight "EXIT" and press CONFIRM MENU button (4).

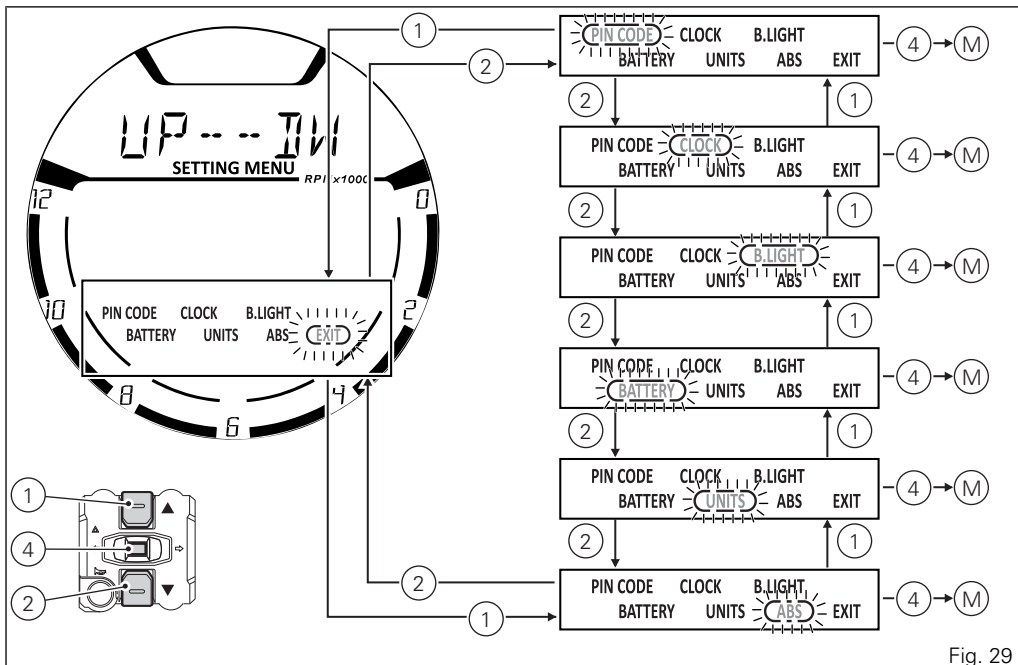


Fig. 29

ABS control uni enabling/disabling

This function allows enabling or disabling the ABS system. Enter the SETTING MENU.

Select the parameter to be customised (ABS), by pressing button (1) or (2). Once the desired parameter is highlighted, press CONFIRM MENU button (4).

When entering the function, the currently set ABS status will be displayed:

On = enabled, Off = disabled.

Menu indicates the available alternative option (RQ): RQ OFF when current status is "On", RQ ON when current status is "Off".

To quit the function without changing set status, select EXIT using button (2); when its box is flashing, press button (4).

To select a different status than the one set, press button (1); alternative option (RQ) starts flashing in the Menu.

Press button (4) for 3 seconds to confirm. WAIT is displayed in the Menu for approx. 5 seconds. New status will then become steady on and "EXIT" box will be flashing.

Press button (4) to quit the function.

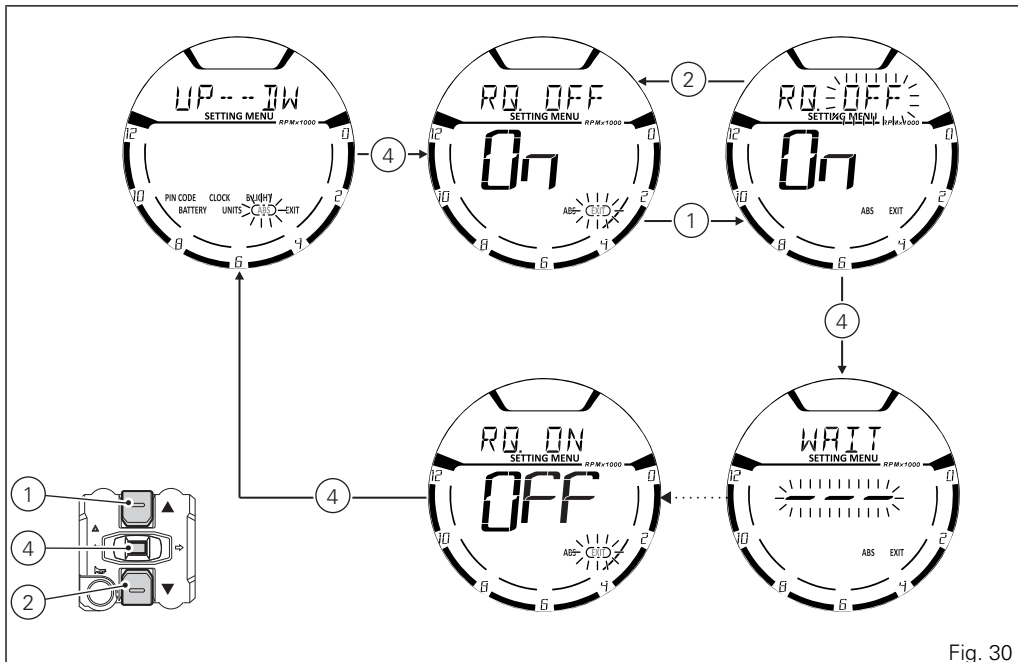


Fig. 30



Note

By setting "-" (Off), the ABS will be disabled and the relevant warning light will start flashing.



Important

When setting the ABS OFF, Ducati recommends paying particular attention to the braking and riding style.

If the ABS is in fault, "Err" is displayed when entering the function and Menu will indicate "NO RQ", since no selection is actually possible. "EXIT" box is flashing. Press button (4) for 3 seconds to quit the function.

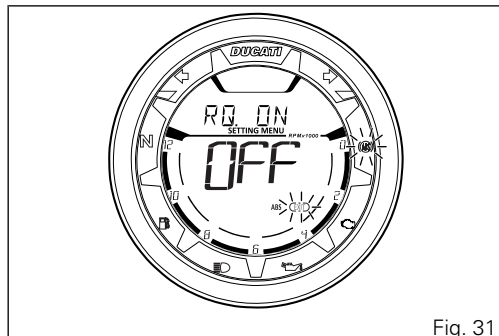


Fig. 31

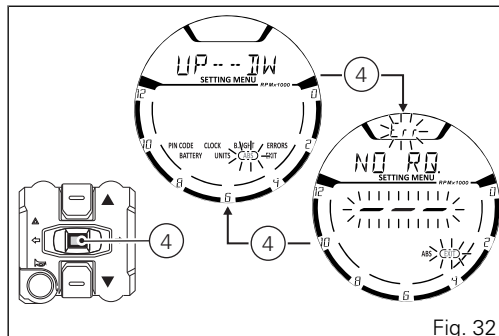


Fig. 32

Battery voltage

This function allows you to check the motorcycle battery voltage. Enter the SETTING MENU. Select BATTERY option, by pressing button (1) or (2). Once function is highlighted, press CONFIRM MENU button (4). You open the BATTERY Menu.

The information will be displayed as follows:

- if battery voltage is between 11.8 V and 14.9 V the reading will be displayed steady;
- if battery voltage is between 0.0 and 11.7 Volt the reading will be displayed with "LOW" message flashing;
- if battery voltage is between 15.0 and 25.5 Volt the reading will be displayed with "HIGH" message flashing.

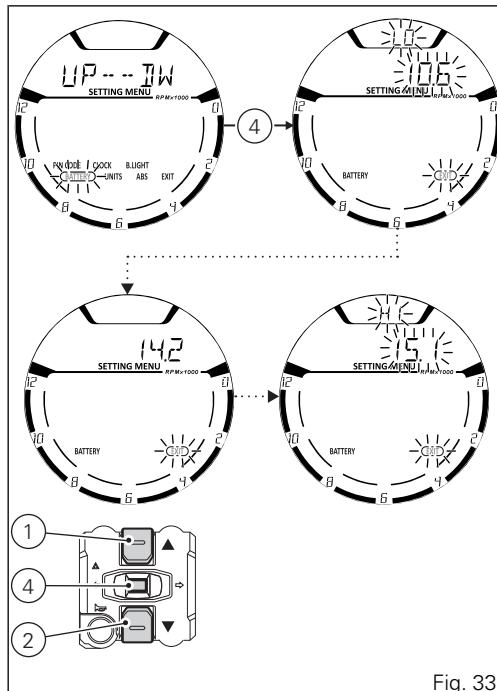
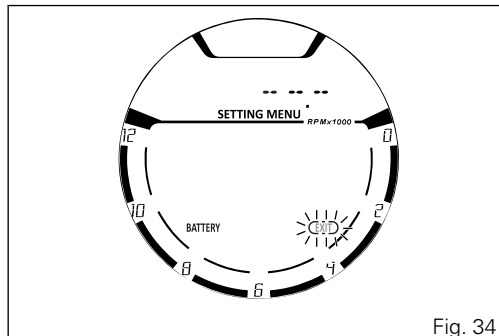


Fig. 33

If the instrument panel is not receiving battery voltage value, a string of three dashes " - - - " is displayed.
To quit the menu and go back to Setting Menu main page, select EXIT and press button (4).



Instrument panel back-lighting setting (B.LIGHT)

This function allows adjusting the backlighting intensity.

To set the backlighting enter the SETTING MENU, use buttons (1) and (2) to select "B.LIGHT" and press button (4) to confirm.

When accessing the function, the active mode flashes whereas the MENU and EXIT messages will be steady on.

Use buttons (1) and (2) to select the desired brightness level (HIGH, MED, LOW) and press button (4) to confirm.

Select HIGH to set the display backlighting maximum brightness - recommended in conditions of strong ambient light.

Select MED to set the display backlighting medium brightness (70%) - recommended in conditions of medium/low ambient light.

Select LOW to set the display backlighting minimum brightness (50%) - recommended in conditions of low ambient light and/or during the night.

After confirming, the "EXIT" box will start flashing.

To exit the menu and go back to the previous page, select "EXIT" and press button (4).



Note

In the event of an interruption of the power supply from the Battery, when power is restored, at the next Key-On, the backlighting will always be set by default to maximum brightness.

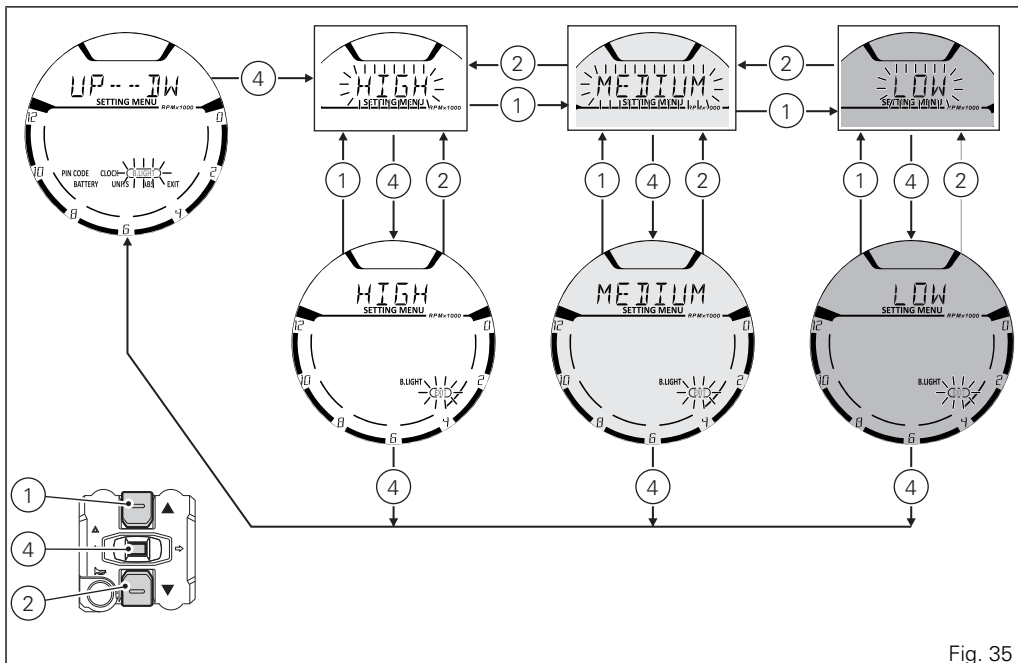


Fig. 35

Clock setting function (CLOCK)

This function allows setting the clock.

To view this function, enter the Setting Menu, use button (1) or (2) to select CLOCK and press button (4).

To access the setting function, keep button (2) pressed for 3 seconds.

After 3 seconds it is possible to set the clock as follows:

- the "AM" indication starts flashing;
 - if you press button (2) the "PM" indication starts flashing;
 - if you press button (1) you will return to the previous step (if it is 00:00, when switching between "AM" to "PM", 12:00 will be displayed);
- press button (4) to shift to hour setting, hours will start flashing;
 - each time you press button (2), the digit will increase by one hour. If you hold button (2) down, the number increases cyclically in steps of one hour every second (when the button is held depressed, the hours do not flash);
- pressing button (4) gives access to the minute setting mode; minutes start to flash;
 - each time you press button (2), the digit will increase by 1 minute. If you hold button (2) pressed, the count increases cyclically in steps of 1 minute every second;
 - if button (2) is kept pressed for more than 5 seconds, steps increase in steps of 1 every 100 ms (seconds will not flash while button (2) is pressed).

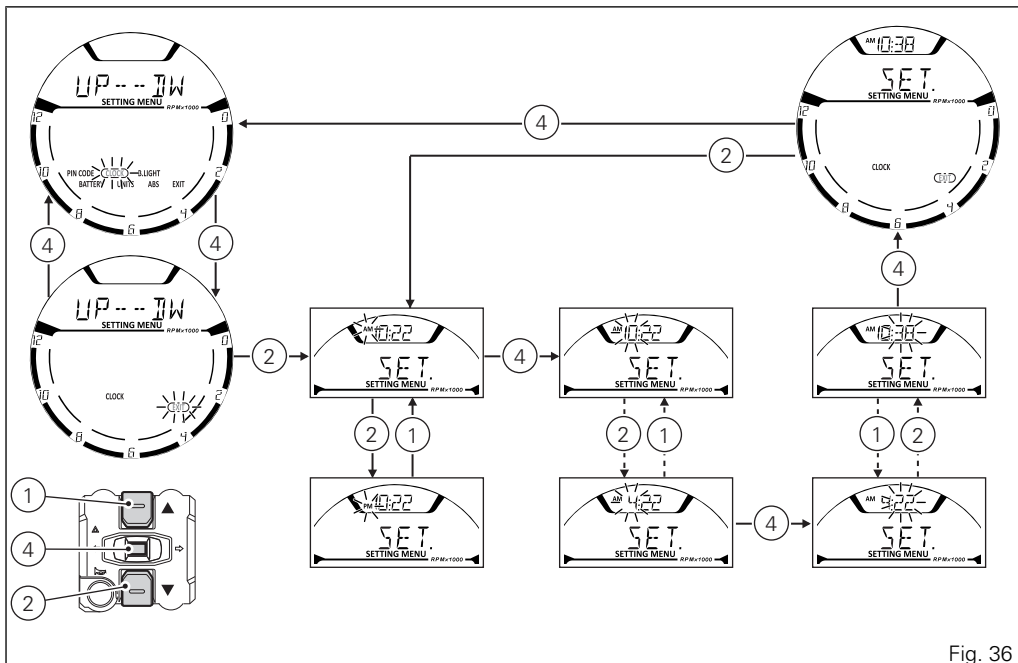


Fig. 36

To confirm (store) the new set time press button (4).
The EXIT box starts flashing, press button (4) to go
back to the setting menu.



Note

In case of battery off, when the Voltage is
restored and upon next Key-On, clock will have to be
set again, i.e. it will automatically start counting from
00:00.

To quit, press button (4).

Pin Code

This function allows enabling and then modifying a 4-digit PIN code to "temporarily" start the vehicle in case of Immobilizer system malfunction.

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. To activate this function, refer to "Entering the PIN CODE" procedure.

To change the PIN refer to "Changing the PIN CODE" procedure.

In order to temporarily start the motorcycle in case of malfunction of the Immobilizer system, please refer to the "Vehicle Release" procedure.



Warning

The motorcycle owner must activate (store) the PIN code; if there is already a stored PIN, contact an Authorised Ducati Dealer to have the function "reset". To perform this procedure, the Authorised Ducati Dealer may ask you to demonstrate that you are the owner of the motorcycle.

Entering the PIN CODE

To activate the PIN CODE function and enter your own PIN CODE you must open the SETTING MENU. Select PIN CODE option, by pressing button (1) or (2). Once function is highlighted, press CONFIRM MENU button (4).



Note

If upon accessing this function, the "O : " (Old) indication is displayed together with four flashing dashes "----", a PIN code is already stored and the Function is already active.

When accessing the function, the display will show "N:" (new) followed by four flashing dashes "----". To go back to the previous indication without activating a PIN CODE, press button (2); as soon as the "EXIT" box starts flashing, press button (4) again. Entering the code:

- 1) Press button (4), only one digit indicating "0" starts flashing;
- 2) Each time you press button (2) the displayed number increases by one (+ 1) up to "9" and then starts back from "0";

- 3) Each time you press the button (1) the displayed number decreases by one (- 1) up to "1" and then starts back from "0";
- 4) To confirm the number, press the button (4);

Repeat the procedures until you confirm all the digits of the PIN CODE.

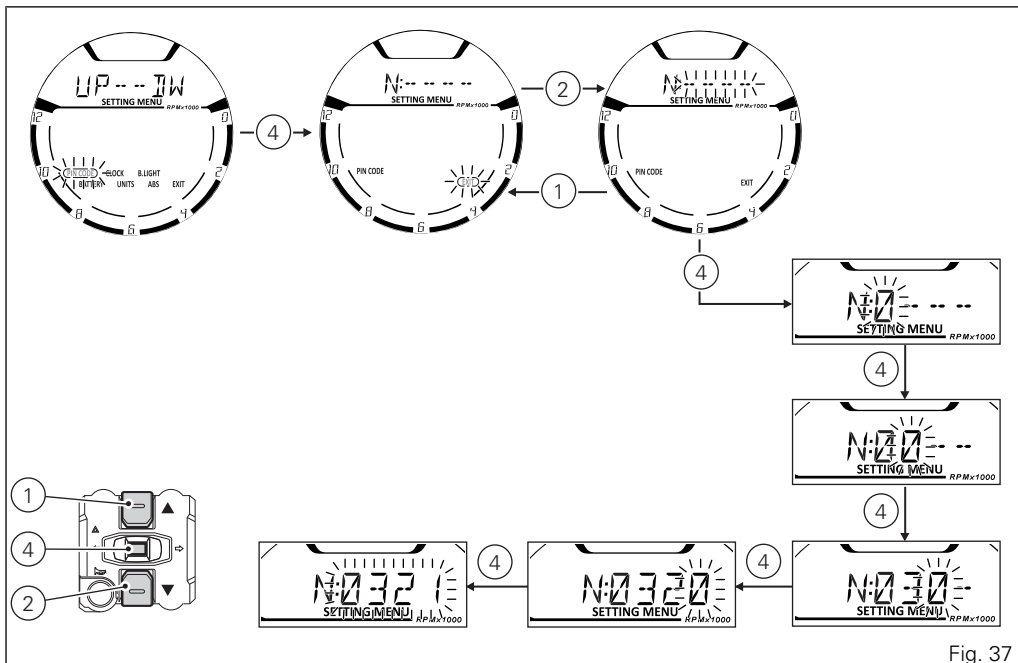


Fig. 37

Press button (4) to confirm the fourth and last figure: the 4-digit code starts flashing.

To memorise the entered PIN, keep button (4) pressed for 3 seconds.

If new settings have been saved, "MEM" will be shown and the "EXIT" box will be flashing.

To quit, press button (4).

Once the first PIN CODE is stored, this menu page is no longer available and is replaced by the page for changing the PIN CODE.

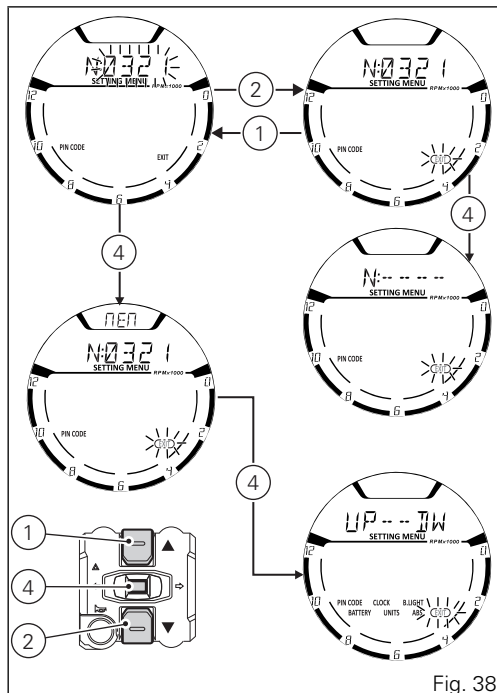


Fig. 38

Changing the PIN CODE

To change the existing PIN CODE and activate a new one, you must open the SETTING MENU.

Select PIN CODE option, by pressing button (1) or (2). Once function is highlighted, press CONFIRM MENU button (4).



Note

If upon accessing this function, the "N : " (New) and four flashing dashes "----" are shown, it means that the PIN CODE has never been activated and it is necessary to do it.

When accessing the function, the display will show "O: " (old) followed by four flashing dashes "----".



Note

To change the PIN CODE, you must know the already stored PIN.

To go back to the previous indication without modifying the PIN CODE, press button (2); as soon as the "EXIT" box starts flashing, press button (4) again.

Entering the "old" code:

- 1) Press button (4), only one digit indicating "0" starts flashing;
- 2) Each time you press button (2) the displayed number increases by one (+ 1) up to "9" and then starts back from "0";
- 3) Each time you press the button (1) the displayed number decreases by one (- 1) up to "1" and then starts back from "0";
- 4) To confirm the number, press the button (4);

Repeat the procedures until you confirm all the digits of the PIN CODE.

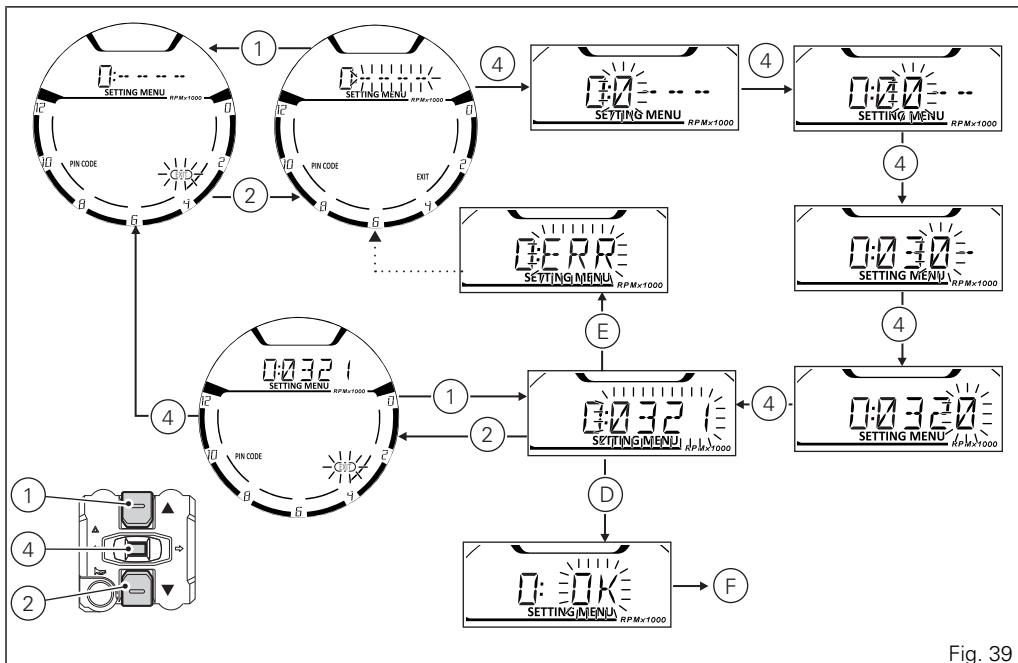


Fig. 39

After pressing button (4) to confirm the fourth and last figure, the 4-digit code starts flashing.

Press button (4) to check the entered PIN CODE.

After you press the button:

- if the PIN CODE is correct (D), the instrument panel shows "OK" flashing for 3 seconds, followed by "N: " (new) and four flashing dashes "- - - -" relevant to the new PIN CODE (F);
- if the PIN CODE is not correct (E), the instrument panel shows ERR. flashing for 3 seconds, followed by "O: " (old) and four flashing dashes "- - - -" to enter the PIN again. .

Repeat the procedures until you confirm all the digits of the PIN CODE.

Entering the "new" code:

- 1) Press button (4), only one digit indicating "0" starts flashing;
- 2) Each time you press button (2) the displayed number increases by one (+ 1) up to "9" and then starts back from "0";
- 3) Each time you press the button (1) the displayed number decreases by one (- 1) up to "1" and then starts back from "0";
- 4) To confirm the number, press the button (4);

Repeat the procedures until you confirm all the digits of the PIN CODE.

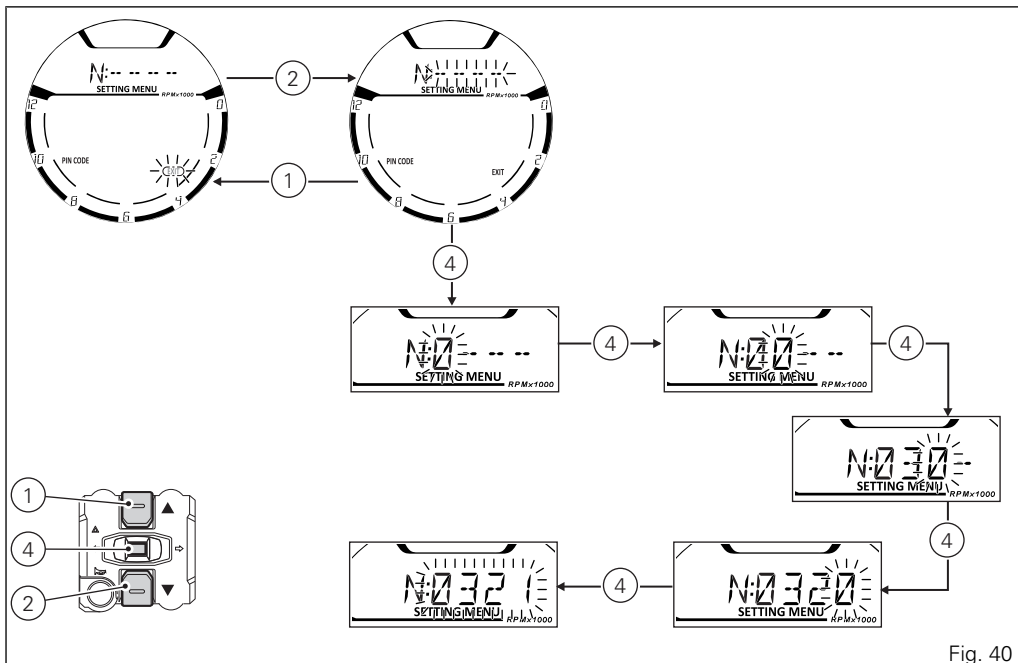


Fig. 40

Press button (4) to confirm the fourth and last figure: the 4-digit code starts flashing.

To memorise the new setting, keep button (4) pressed for 3 seconds.

If new settings have been saved (D), "MEM" will be shown, the "EXIT" option will be highlighted and its box will be flashing.

To quit, press button (4).

If settings have not been saved, the instrument panel will highlight again the string of four dashes "----" of the new PIN to allow the rider to try again and enter a new code.



Note

You can change your PIN CODE an unlimited number of times.

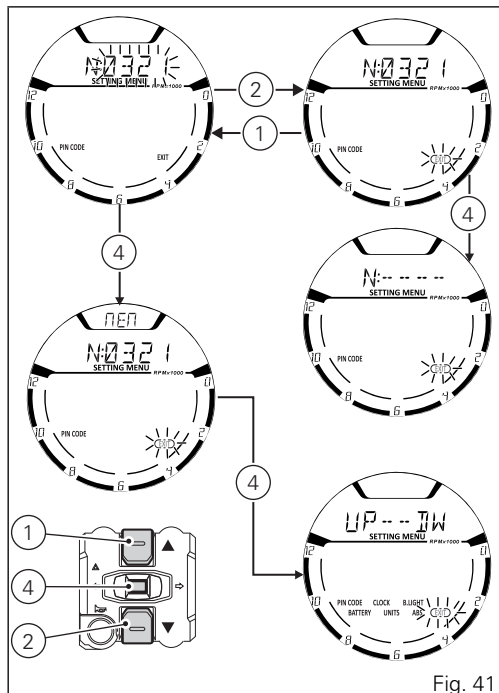


Fig. 41

Setting the units of measurement

This function allows changing the units of measurement of the displayed values.

To manually set the units of measurement, you must enter the SETTING MENU.

Select UNITS option, by pressing button (1) or (2).

Once function is highlighted, press CONFIRM MENU button (4).

When entering this function, use buttons (1) and (2) to select the parameter for which you want to set a new unit of measurement or to restore the default settings:

- SPEED;
- temperature (TEMP.);
- restore the default settings for units of measurement (UNIT:DF).

To exit the menu and go back to the previous page, select "EXIT" and press button (4).

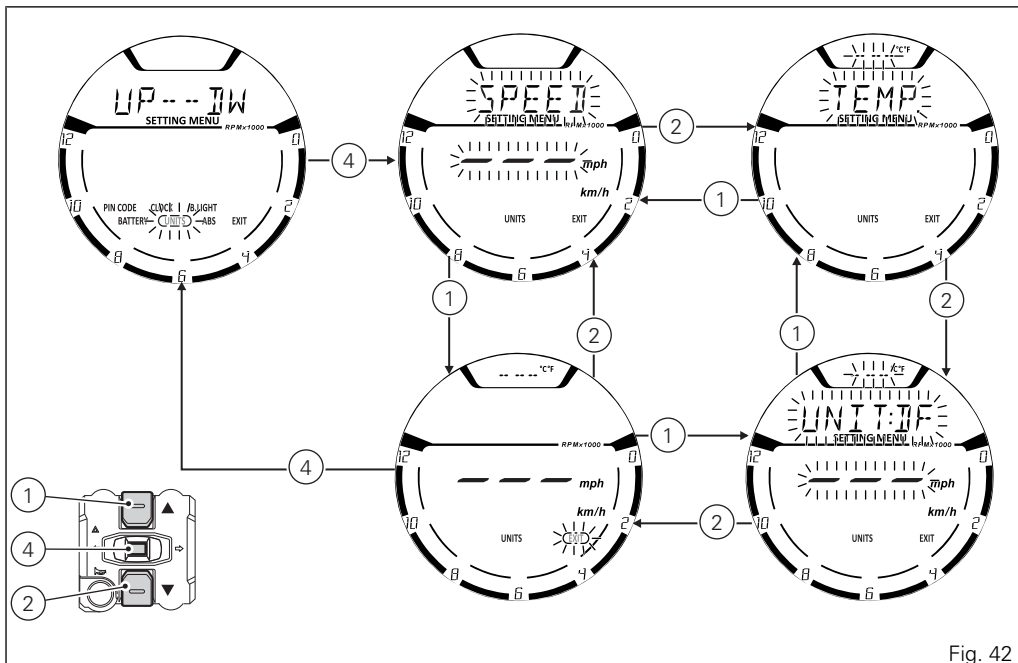


Fig. 42

Setting the units of measurement: Speed

This function allows changing the unit of measurement of Vehicle speed, Odometer, Trip 1, Trip 2 and Trip Fuel (when active). To gain access to this function enter the SETTING MENU, use buttons (1) and (2) to select UNITS and press button (4). Select SPEED option, by pressing button (1) or (2).

Once SPEED function is highlighted, press CONFIRM MENU button (4). When entering the function, units of measurement (mph, km/h) are indicated: current unit of measurement is flashing while the other available unit is not flashing. Press buttons (1) and (2) to highlight the units of measurement one by one: in particular, use button (1) to highlight the following item and button (2) to highlight the previous item. Select the required unit of measurement and then press the CONFIRM MENU button (4) to confirm the selected unit; then the selected unit of measurement is saved in the instrument panel and the SPEED indication starts flashing again.

Press button (2) to make the EXIT box flash; press button (4) to quit and go back to the previous window.

- Km/h: if this unit is set, the following values will have the same units of measurement:
 - 1) TOT, TRIP 1, TRIP 2, TRIP FUEL: Km
 - 2) Motorcycle speed: Km/h
- mph: if this unit is set, the following values will have the same units of measurement:
 - 1) TOT, TRIP 1, TRIP 2, TRIP FUEL: miles
 - 2) Motorcycle speed: mph

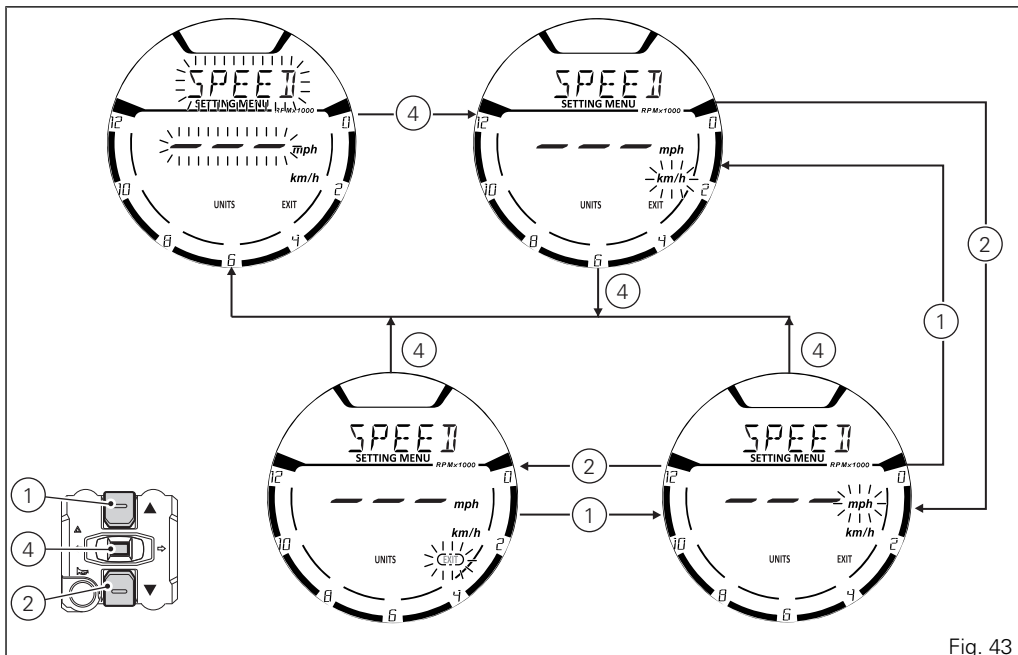


Fig. 43

Setting the units of measurement: Temperature

This function allows you to change the units of measurement of the Air Temperature indications. To gain access to this function enter the SETTING MENU, use buttons (1) and (2) to select UNITS and press button (4).

Select TEMP option, by pressing button (1) or (2). Once TEMP. function is highlighted, press CONFIRM MENU button (4).

When entering the function, units of measurement (°C, °F) are indicated: current unit of measurement is flashing while the other available unit is not flashing. Press buttons (1) and (2) to highlight the units of measurement one by one: in particular, use button (1) to highlight the following item and button (2) to highlight the previous item. Select the required unit of measurement and then press the CONFIRM MENU button (4) to confirm the selected unit; then the selected unit of measurement is saved in the instrument panel and the "TEMP." indication starts flashing again.

Press button (2) to make the EXIT box flash; press button (4) to quit and go back to the previous window.

- °C: if this unit is set, the following values will have the same units of measurement:
 - 1) T – AIR: °C
- °F: if this unit is set, the following values will have the same units of measurement:
 - 1) T – AIR: °F

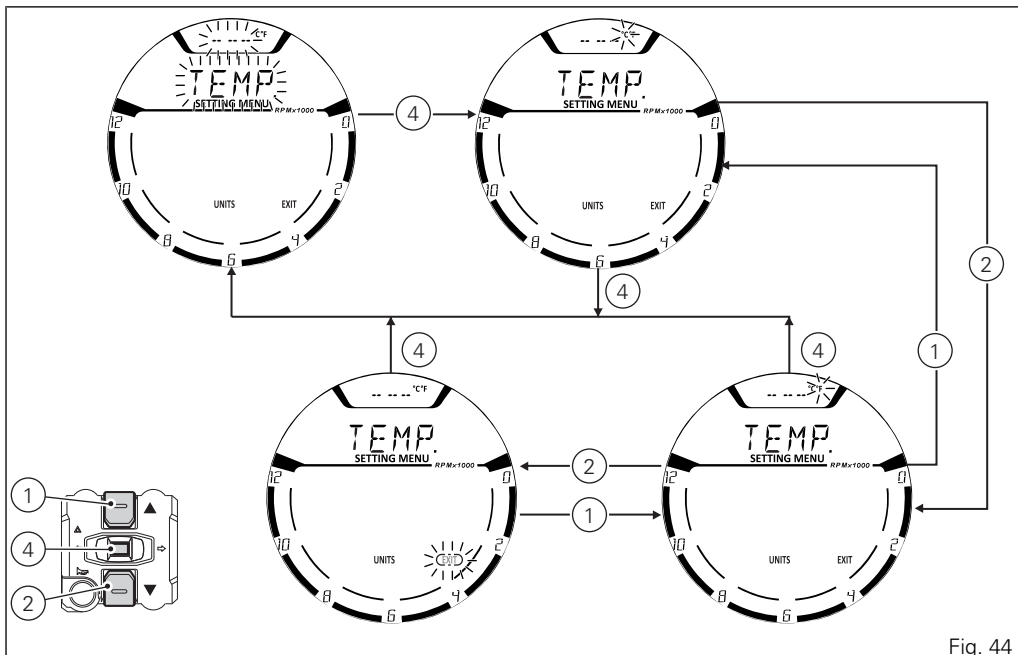


Fig. 44

DEFAULT setting

This function allows setting the DEFAULT units of measurement according to the vehicle version.

To gain access to this function enter the SETTING MENU, use buttons (1) and (2) to select UNITS and press button (4). Press button (1) or (2) to make the "UNIT:DF" option start flashing and then press button (4) for 3 seconds.

After 3 seconds the instrument panel shows "WAIT" for 2 seconds; then the "DF-OK" message indicates that the units of measurement have been restored.

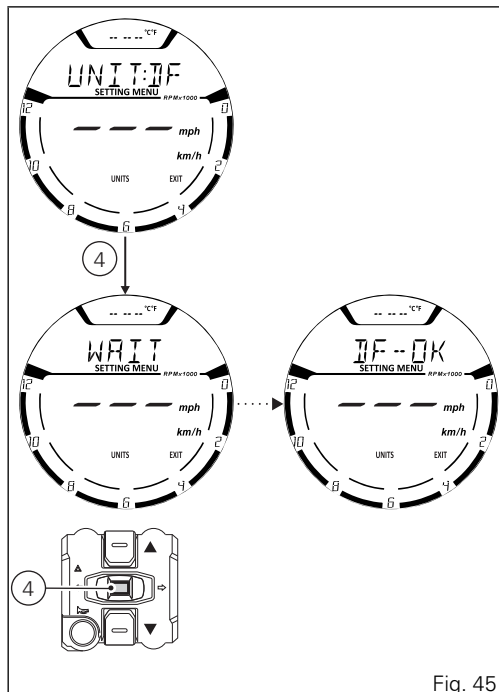


Fig. 45

Light control

Low / High beam

This function allows you to reduce current consumption from the battery, by managing headlight switching-on and off.

Upon Key-On, low and high beams remain off (OFF). By starting the engine, the low beam will be automatically activated; from now on, the "standard" operation will become active, i.e. it will be possible to switch from low to high beam by pressing button (3) in position (V) or use the "FLASH" function by pressing button (3) in position (O). If engine is not started upon key-on, it is anyway possible to switch the lights on by pushing the button on the LH high/low beam switch: button (3) in position (V).

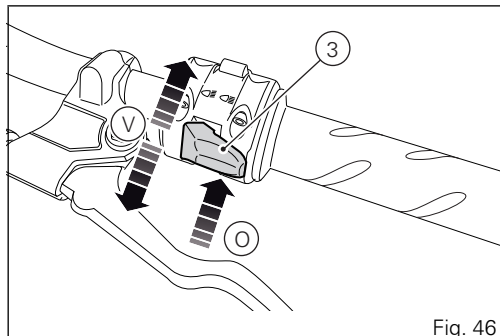


Fig. 46

The low beam lights are turned on the first time it is pressed; from this moment, the same button can be used to switch on (and off) the high beam light: if the engine is not started within 60 seconds, the low beam and high beam that were turned on will turn off. If the headlight was turned on before starting the engine with the procedure described above, the headlight will turn off automatically when starting the vehicle and will turn ON again when the engine has been completely started.

Turn indicators

Turn indicators are automatically controlled by the instrument panel.

After activating one of the two turn indicators, user can reset them using the button (3, Fig. 46) on the left switch.

If the turn indicator is not reset manually, the instrument panel will automatically switch it off after the motorcycle has travelled 500 m (0.3 miles) from when the turn indicator was activated. The counter for the distance travelled for automatic deactivation is only activated at speeds below 80 km/h (50 mph). If the calculation of the distance for automatic deactivation is activated and then the motorcycle exceeds a speed of 80 km/h (50 mph), the calculation

will be interrupted and will restart when the speed returns below the indicated threshold.

Hazard function

The "Hazard" function turns all four turn indicators on at the same time to signal an emergency condition. The "Hazard" function is activated by taking button (3) to position (6) for 3 seconds. Activation is only possible when motorcycle is ON (i.e. when key is turned to "ON" while engine status does not matter). When the "Hazard" function is active, all four turn indicators blink at the same time as well as warning lights (7) on the instrument panel. The "Hazard" function can be disabled both with motorcycle on (key set to "ON") - by taking button (3) to position (6) or by taking button (3) to its central position - and with motorcycle off (key set to OFF) by taking button (3) to position (6).

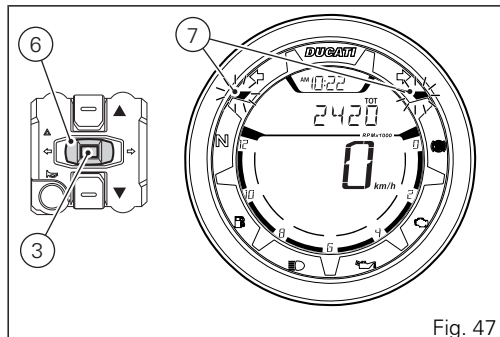


Fig. 47

After activating the "Hazard" function, if motorcycle is switched OFF (key set to OFF), the function will stay active until manually disabled by user or it will be automatically disabled after 120 minutes (2 hours) to save battery charge.

Immobilizer system

To further improve the anti-theft protection, the motorcycle is equipped with an engine electronic block system (IMMOBILIZER) that is automatically activated every time the instrument panel is switched off.

Inside of each key handgrip there is an electronic device that modulates the signal sent by a special antenna integrated in the ignition switch upon starting.

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.

Keys

The motorcycle comes with 2 keys.

They contain the "Immobilizer system code".

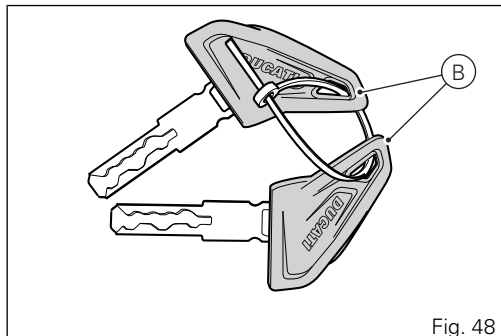
Keys (B) are those for the standard use, i.e. to:

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



Warning

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



Operation

Every time you turn the key from ON to OFF, the protection system activates the engine block.

If also in this case you are not able to start the engine, contact an authorised Ducati service centre.



Warning

Strong impacts could damage the electronic components inside the key. During the procedure always use the same key. Using different keys may prevent the system from acknowledging the code of the inserted key.

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.

Entering PIN CODE function for overriding purposes

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 upon key-on an Immobilizer ERROR occurs, the instrument panel automatically activates in MENU 1 the possibility to enter the four-digit PIN CODE previously memorised with the relevant function in the Setting Menu, PIN page.

Entering the code (A):

- 1) Press button (2) or (1), only one digit indicating "0" starts flashing;
- 2) Each time you press button (2) the displayed number increases by one (+ 1) up to "9" and then starts back from "0";
- 3) Each time you press the button (1) the displayed number decreases by one (- 1) up to "1" and then starts back from "0";
- 4) To confirm the number, press the button (4);

Repeat the procedures until you confirm all the digits of the PIN CODE.

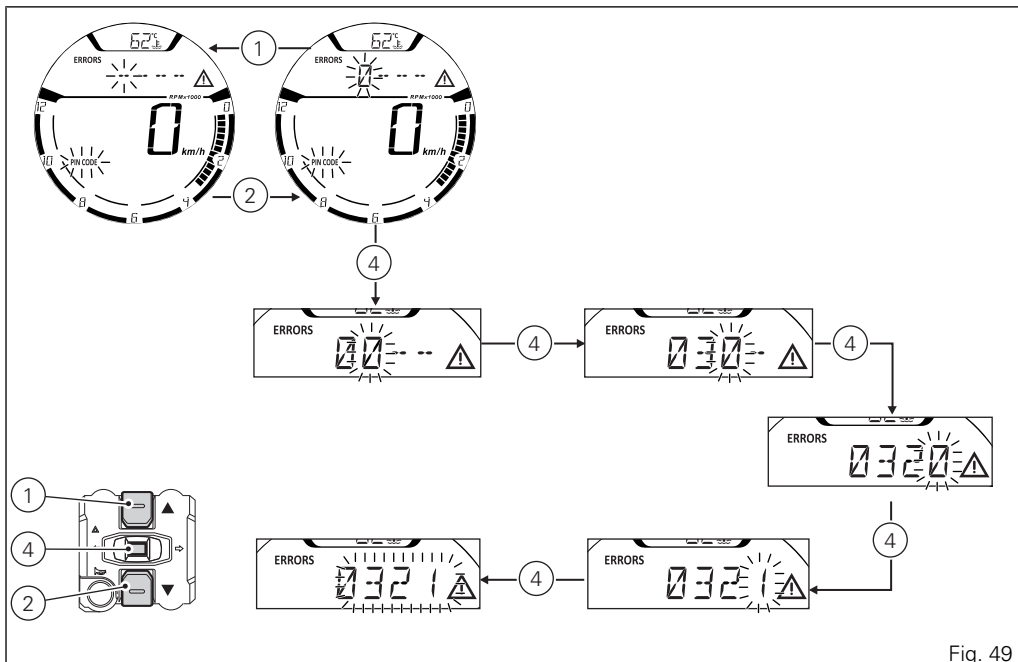


Fig. 49

When you press button (4) to confirm the fourth and last digit:

- if the PIN code (A) is correct, the instrument panel shows the message OK for 2 seconds followed by the "standard screen" and enables the vehicle to start (C);
- if the PIN code (B) is not correct, the instrument panel displays WRONG for 2 seconds and then highlights the string of four dashes "----" to allow you to try again. The number of possible attempts is unlimited and determined by a preset time-out of 2 minutes (D). After 2 minutes, the instrument panel shows the standard screen and does not allow the vehicle to start (E).

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.



Note

The vehicle can be started until a Key-Off is performed. If the problem still persists upon the next starting attempt, repeat the procedure from the beginning in order to start the motorcycle temporarily again.

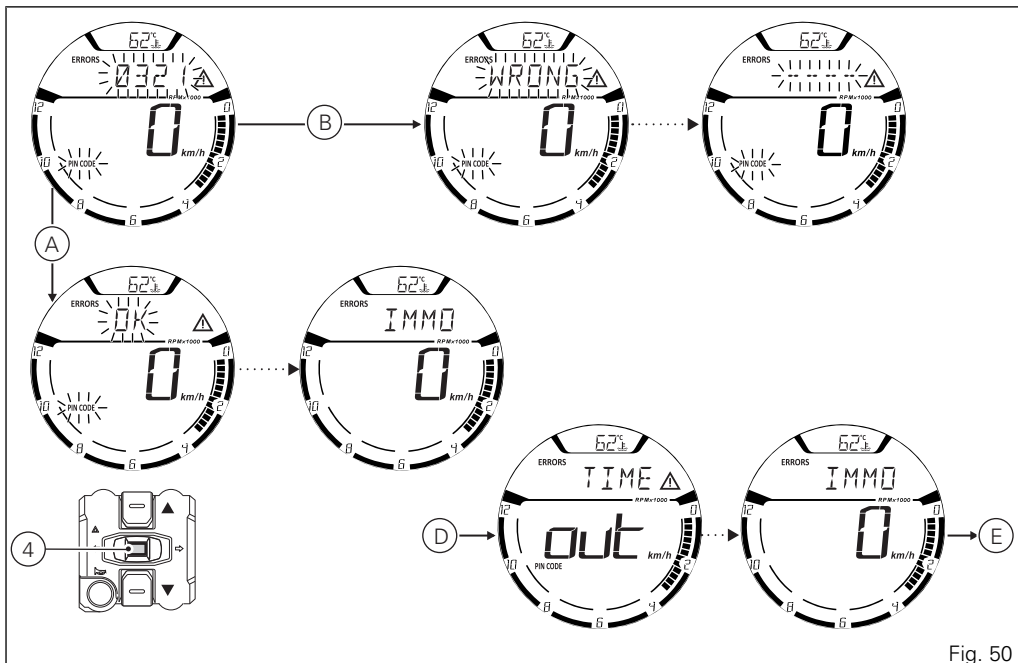


Fig. 50

Controls

Position of motorcycle controls



Warning

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) Rear brake pedal.
- 6) Right-hand switch.
- 7) Throttle twistgrip.
- 8) Front brake lever.
- 9) Gear change pedal.

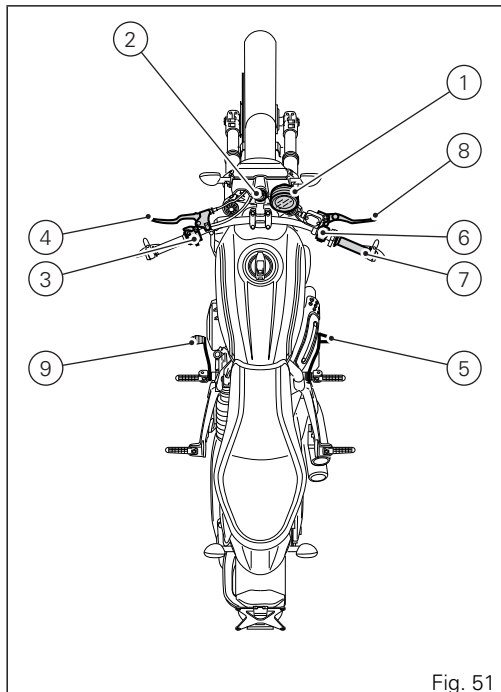






Fig. 51

Key-operated ignition switch and steering lock

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

- A)  : enables lights and engine operation;
- B)  : disables lights and engine operation;
- C)  : the steering is locked;
- D)  : parking light and steering lock.



Note

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

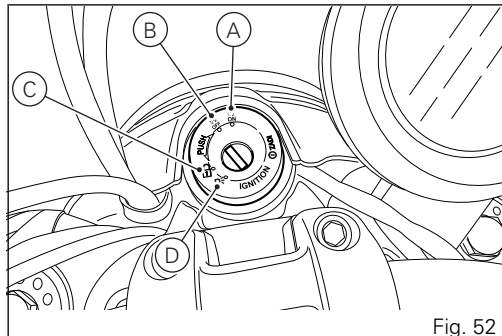







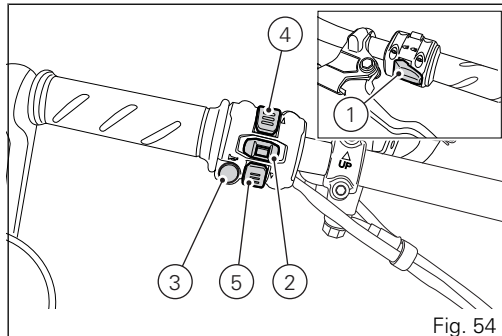
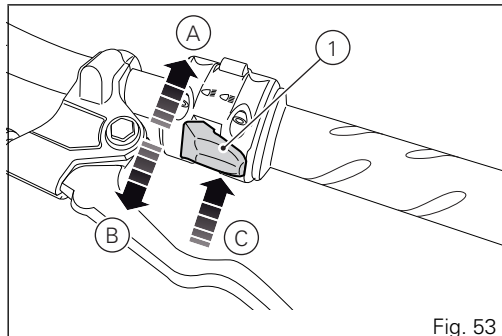


Fig. 52

Left-hand switch

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



Clutch lever

Lever (1) disengages the clutch. 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.



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).

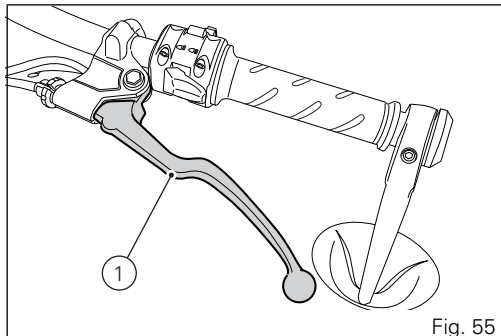


Fig. 55

Clutch control free play adjustment

Warning

A wrong adjustment can seriously affect the clutch operation and service life.

A worn clutch tensions the clutch cable.

Always check the free play, with cold engine, before using the vehicle.

When operating the clutch lever, you must clearly feel the passage from a very low resistance to a very high resistance (operating force).

The free play corresponds to the lever travel where the clutch resistance force is very low.

Operate the lever for its free play and check that distance "A" is between 3 - 4 mm.

To adjust the free play make sure that it is not equal to zero. Work on the primary adjuster (2) near the clutch control.

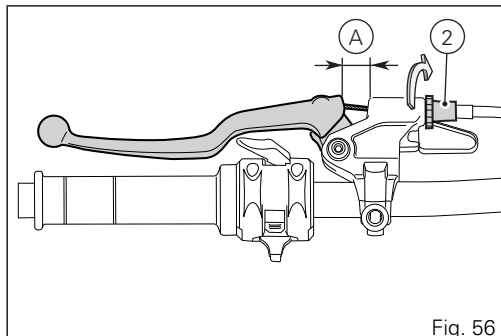
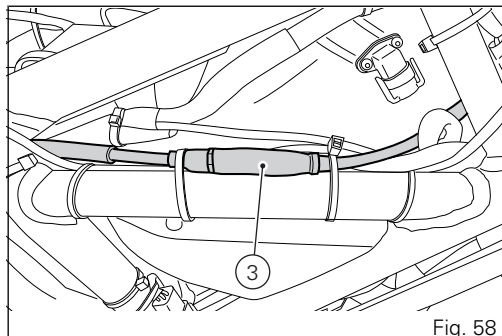
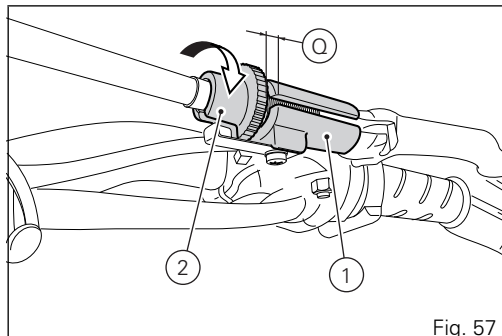


Fig. 56

Adjuster (2), located on the lever, allows a maximum adjustment (Q) of 11 mm, whereas the standard adjustment (starting one) is of 5 mm. If working on such adjuster proves insufficient, work on the secondary adjuster (3).

Warning

In case of a slipping clutch due to clutch wear, adjuster (2) on the lever must NEVER be loosened, but screwed, as described above. If the clutch is still slipping, go to a Dealer or a Ducati authorised service centre.

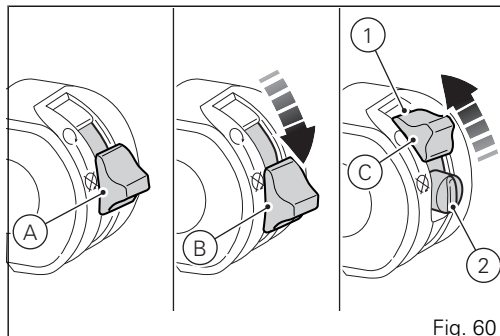
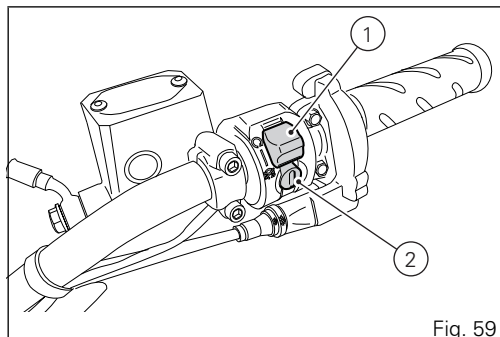


Right-hand switch

- 1) Red ON/OFF switch.
- 2) Black ENGINE START button.

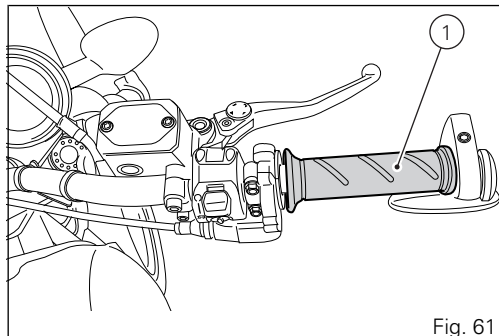
The switch (1) has three positions:

- centre: RUN OFF. In this position, the engine cannot be started and all electronic devices are OFF.
- pushed down: ON/OFF. In this position, the system can be turned ON (Key-ON) and OFF (Key-OFF).
- pushed up: RUN ON. The engine can only be started in this position, pushing the black button (2).



Throttle twistgrip

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



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 has a dial adjuster (2) for adjusting the distance between lever and twistgrip on the handlebar. To adjust it, keep lever (1) fully extended, and turn dial adjuster (2), turning it in correspondence of one of the four foreseen positions. Keep in mind that the position no. 1 corresponds to the maximum distance between the lever and the handgrip, whereas position no. 4 corresponds to the minimum distance.

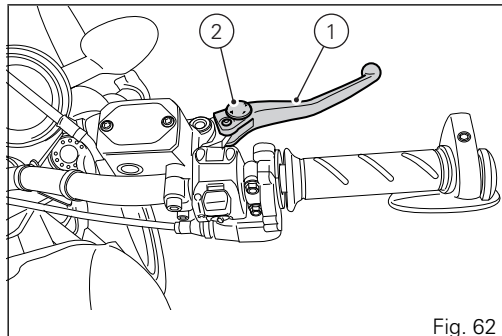


Fig. 62



Warning

Set front brake lever when motorcycle is stopped.

Rear brake pedal

Press pedal down with your foot to operate the rear brake (1).

The control system is of the hydraulic type.

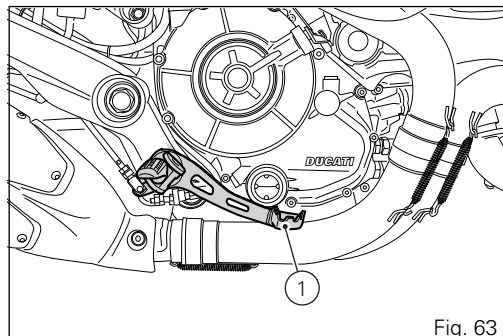


Fig. 63

Gear change pedal

When released, the gear change pedal automatically returns to rest position N in the centre. This is indicated by the instrument panel N light 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.

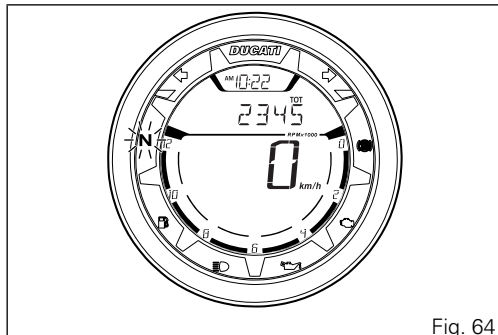


Fig. 64

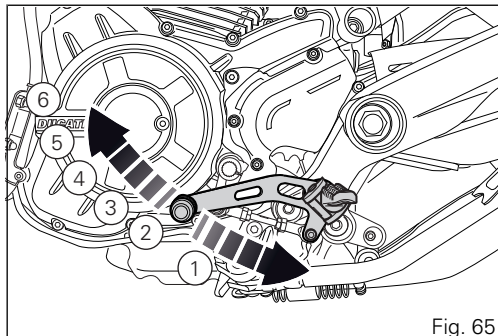


Fig. 65

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

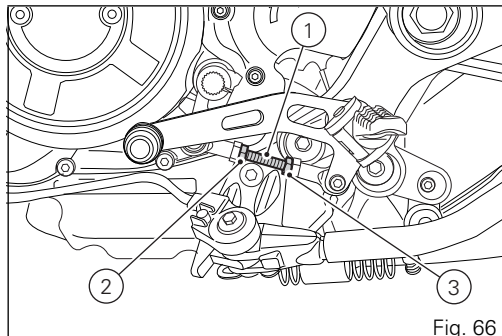
Hold the linkage (1) and slacken the lock nuts (2) and (3).



Note

Nut (2) has a left-hand thread.

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



Rear brake pedal

Loosen lock nut (4).

Turn pedal stroke adjusting screw (5) until pedal is in the desired position. Tighten the lock nut (4).

Operate the pedal 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 control rod as follows.

Loosen lock nut (6) on master cylinder rod.

Screw the rod (7) into the fork (8) to increase the free play, or screw it out to reduce it.

Tighten lock nut (6) and check play again.

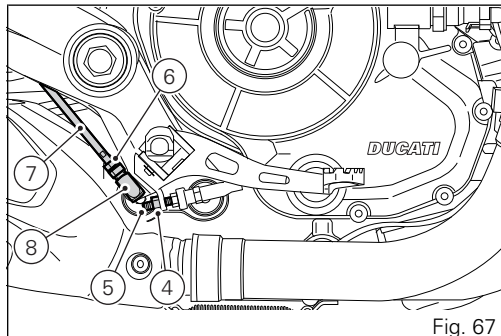


Fig. 67

Main components and devices

Position on the vehicle

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

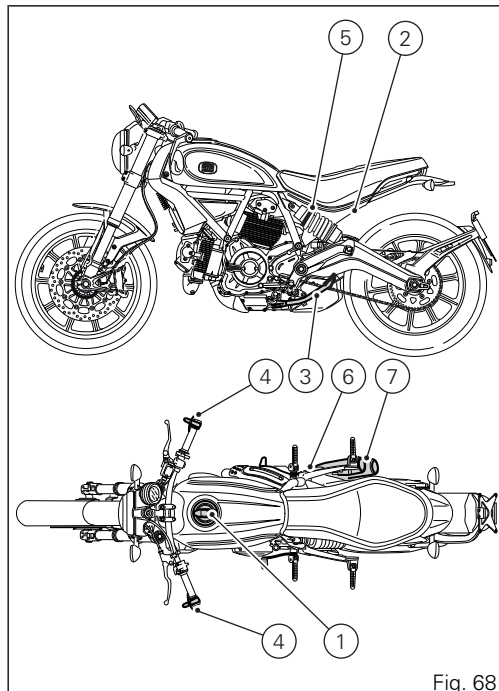


Fig. 68

Tank filler plug

Opening

Insert the key into the lock.

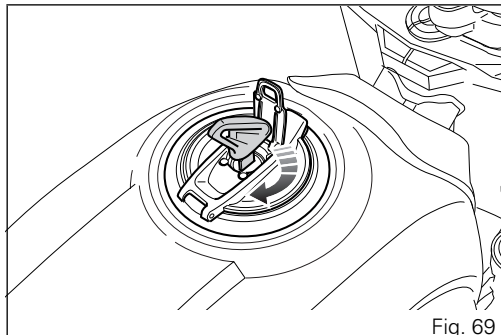
Turn the key clockwise by 1/4 of a turn to release the lock.

Unscrew the plug (1).

Closing

Tighten the plug (1) with the key inserted and push it down into its seat.

Turn the key counter clockwise to the original position and remove it.

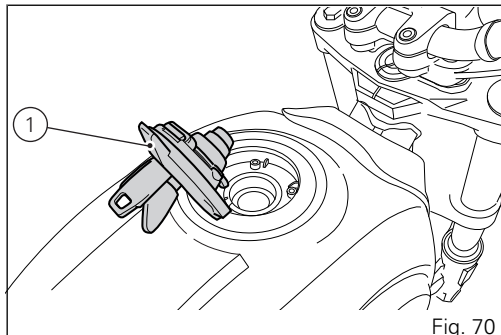


Note

Plug can only be closed when key is inserted.

Warning

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



Seat lock

Opening

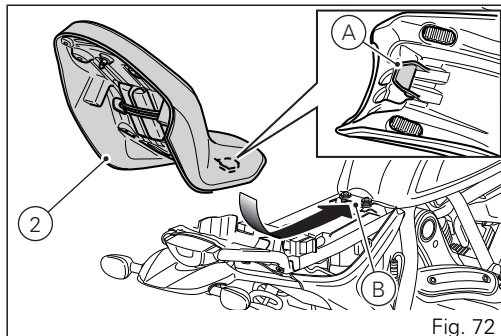
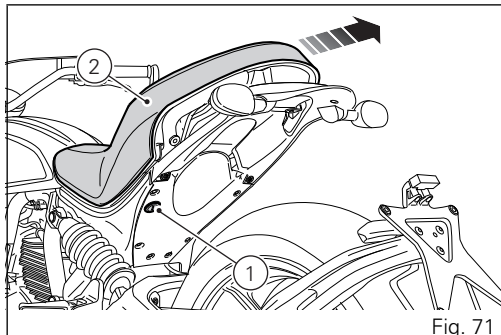
Insert the key (1) in lock, turn clockwise while pressing down at the latch to help release the pin. Remove the seat (2) pulling it backwards until sliding it out of the front retainers.

Closing

Make sure all parts are correctly laid out and secured in the underseat compartment.

Slide the front end (A) of the seat bottom underneath the retainer (B) of the frame support.

Press on seat (2) rear end until locking latch snaps. Make sure the seat is safely secured to the frame and remove the key (1) from the lock.



Seat

This model is equipped with a craft seat, with leather upholstery, therefore it is recommended to comply with the following maintenance and care tips.

Ordinary maintenance:

A damp sponge or microfibre cloth allow removal of most dirt; use mild soap to remove the most stubborn stains. After cleaning, gently rub with a damp cloth, particularly in the areas cleaned with detergents, and allow to dry preferably in the shadow, or at least away from any heat source.

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 melt by the sun heat and similar or the motorcycle may fall over. When parking in downhill road tracts, always park the motorcycle with its rear wheel facing downhill.

To pull down the side stand, hold the motorcycle handlebar 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.

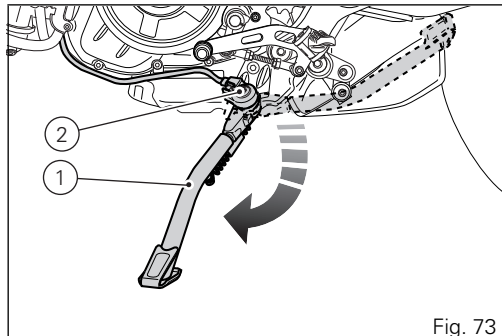


Fig. 73

Warning

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

Note

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

USB connection

The motorcycle is equipped with a USB 5V connection. Loads up to 1A can be connected to the USB connection.

USB connection (1) is located under the seat and is protected by a flap: lift flap to use connection.

Important

When the engine is off and key set to ON, do not leave accessories connected to the USB socket for a long period of time as the motorcycle battery could run flat.

Warning

When not in use, ALWAYS keep USB socket closed with its cap.

Warning

NEVER use the USB socket if it is raining.

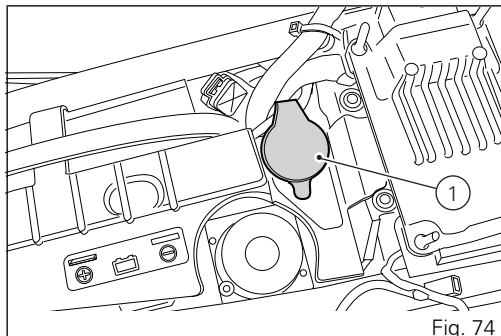
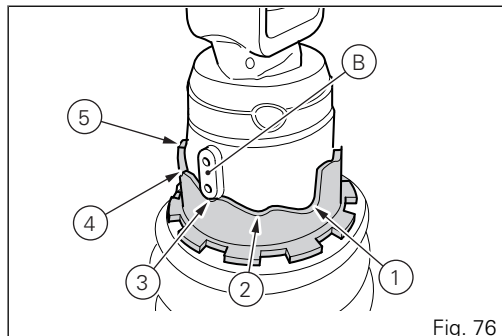
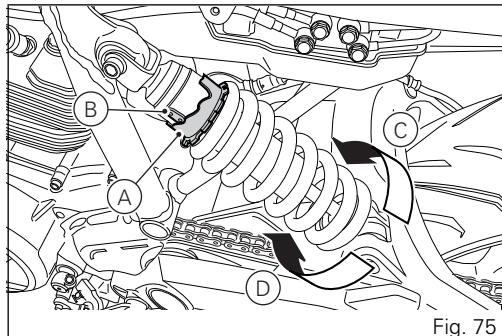


Fig. 74

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 ring nut (A), located in the shock absorber upper side, adjusts the external spring preload.

To change spring preload, turn the ring nut (A) using the supplied pin wrench, and align ring nut cam with the reference notch (B). Ring nut has five cams (1, 2, 3, 4 and 5) which correspond to the available preload settings: turn counter clockwise (C) to INCREASE preload, or turn clockwise (D) to DECREASE preload. Standard setting is the one for which reference notch (B) on shock absorber is aligned with ring nut third cam: position indicated in the figure.





Warning

To turn the preload adjuster ring nut use the wrench supplied with the tool kit. Pay attention to avoid hand injuries by hitting motorcycle parts in case the wrench tooth suddenly slips on the ring nut groove while moving it.



Warning

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.

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;
- 2) from 1,000 km to 2,500 km.

Up to 1,000 km

During the first 1000 km, keep an eye on the rev counter. It should never exceed: 5,500÷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 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 discs.

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.

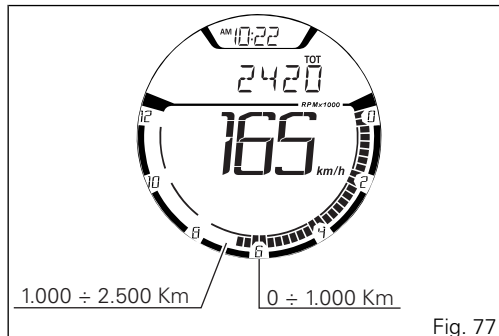
From 1,000 km to 2,500 km

From 1,000 km to 2,500 km 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



Warning

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. Fill tank if needed (page 127).
- ENGINE OIL LEVEL
Check oil level in the sump through the sight glass. Top up if needed (page 152).
- BRAKE FLUID
Check fluid level in the relevant reservoirs (page 131).
- TYRE CONDITION
Check tyre pressure and condition (page 150).
- 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 horn work properly. Replace any burnt-out bulbs (page 83).
- KEY LOCKS
Ensure that tank filler plug (page 108) and seat (page 109) are properly locked.
- STAND
Make sure side stand operates smoothly and is in the correct position (page 111).

ABS light

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



Warning

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

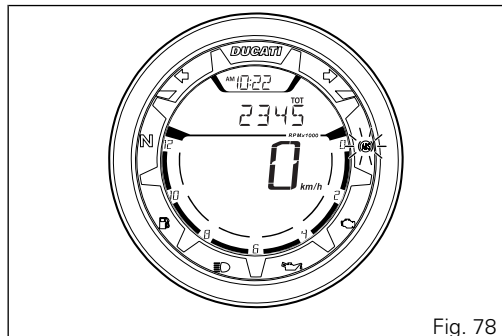


Fig. 78

ABS device

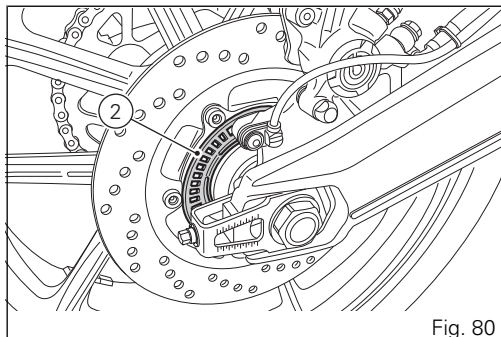
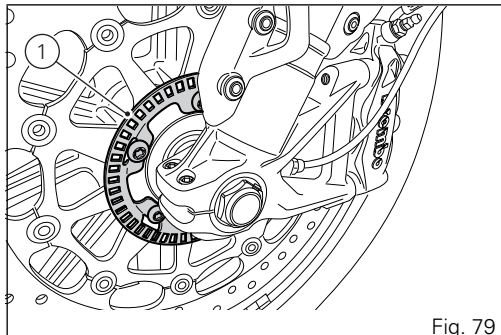
Check that the front (1) and rear (2) phonic wheels are clean.

Warning

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.

Warning

Prolonged wheelies could deactivate the ABS system.




Starting the engine

Warning

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

Warning

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.

Move the ignition switch to (1, Fig. 81). Make sure both the green light N and the red light  on the instrument panel come on.

Important

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

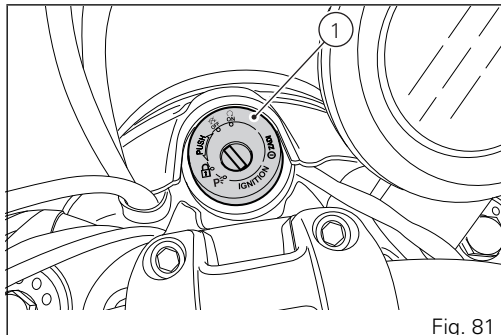


Fig. 81

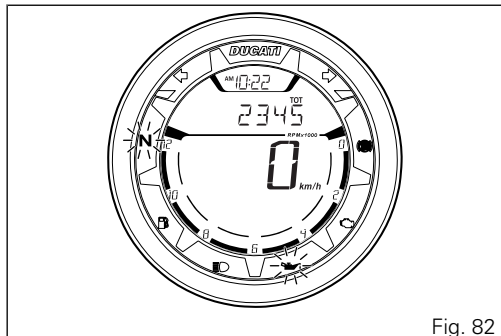


Fig. 82




Warning

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).

Check that the stop switch (2, Fig. 83) is positioned to  (RUN), then press the starter button (3, Fig. 83).

Let the motorcycle start without operating the throttle control.

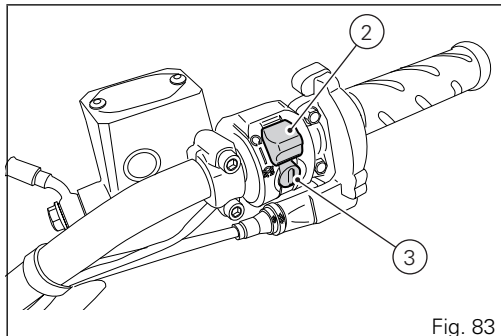


Fig. 83



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.

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.



Warning

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.



Warning

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 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 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.

If desired, the system can be deactivated from the instrument panel, using the "ABS control unit enabling/disabling" function (see page 57).



Warning

When ABS is disabled, the motorcycle restores the standard brake system features; using the two brake controls separately reduces the motorcycle braking efficiency. Never use the brake controls harshly or suddenly as you may lock the wheels 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 tyres reduce braking efficiency, handling accuracy and stability in a bend.

Stopping the motorcycle

Reduce speed, shift down and release the throttle twistgrip.

Shift down to engage first gear and then neutral.

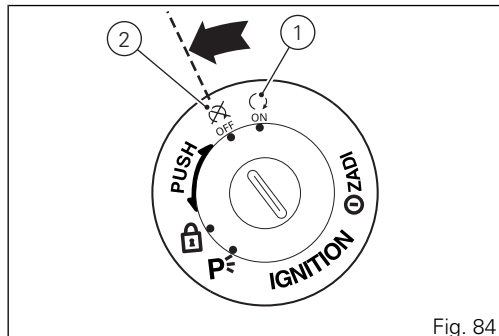
Apply the brakes and bring the motorcycle to a complete stop.

To switch the engine off, simply turn the key to position (2).



Important

Do not leave the key to ON, position (1), with engine off in order to avoid damaging any electrical components.



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 position (3). 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. If required, turn the key to position (4) to leave the parking lights on.

Important

Do not leave the key to position (4) for a long time, or this could lead to battery discharge. Never leave the ignition key in the switch when you are leaving your motorcycle unattended.

Warning

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.).

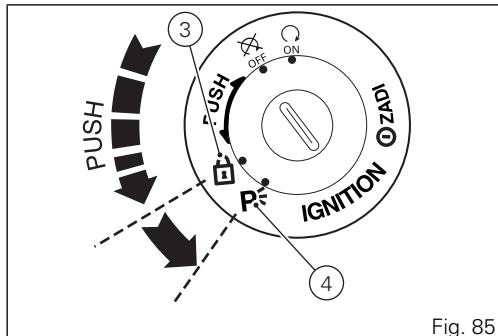


Fig. 85

Warning

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 and passenger.

Refuelling

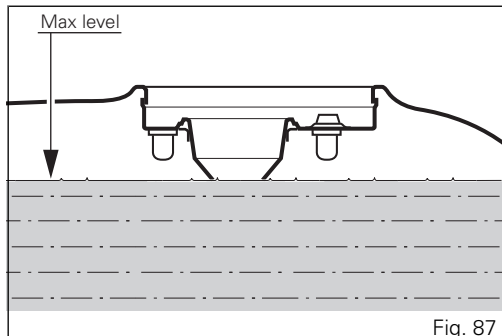
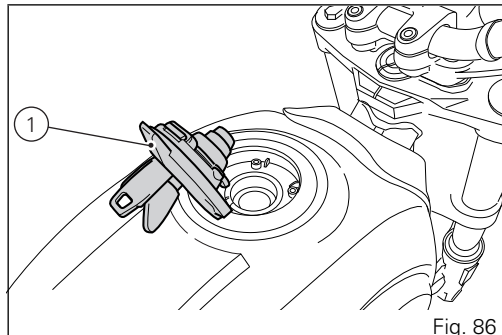
Never overfill the tank when refuelling. Fuel should never be touching the rim of filler recess (1).

Warning

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

Warning

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.



Tool kit and accessories

The tool box (1) is located under the seat.

The tool box includes:

- screwdriver;
- screwdriver handgrip;
- 3 mm Allen wrench;
- 4 mm Allen wrench;
- preload adjustment wrench;
- handgrip for preload adjustment wrench;
- box wrench;
- handgrip for box wrench;
- fuse pliers;
- 6 mm Allen wrench;
- 5 mm Allen wrench.

To access the compartment remove the seat page 109.

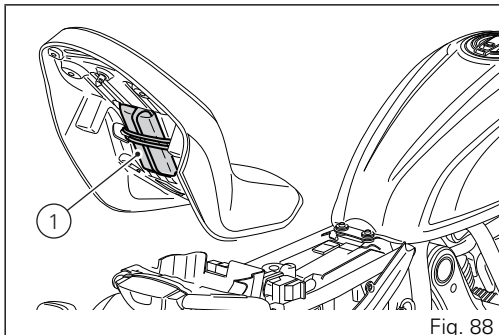


Fig. 88

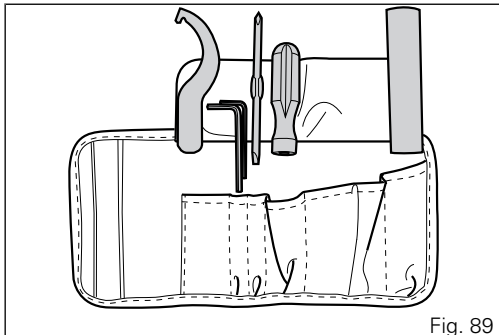


Fig. 89

Seat canvas cover

A seat canvas cover is provided as standard.



Warning

The seat canvas cover must be used with bike at a standstill.

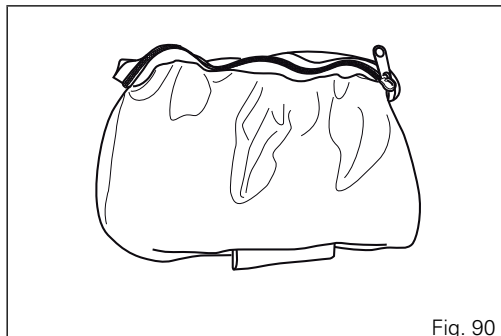


Fig. 90

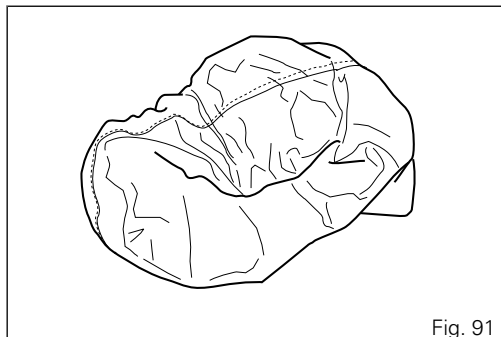


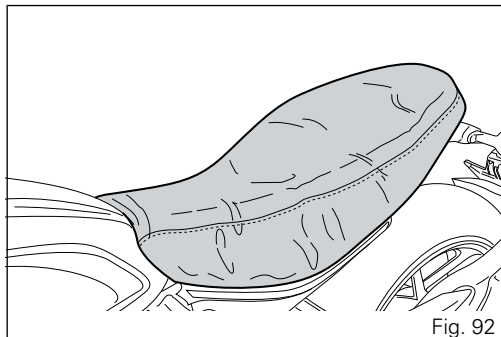


Fig. 91

 **Warning**
Fit the canvas cover only when seat is not wet.

 **Important**
No need to remove the seat to fit the canvas cover.



Main maintenance operations

Check brake fluid level

The level must not go below the MIN mark shown on the respective reservoirs ((Fig. 93) shows the front brake fluid reservoir, while (Fig. 94) shows the rear brake fluid reservoir).

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.

Important

It is recommended all lines be changed every four years.

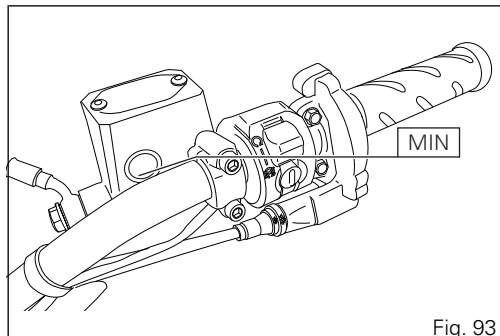


Fig. 93

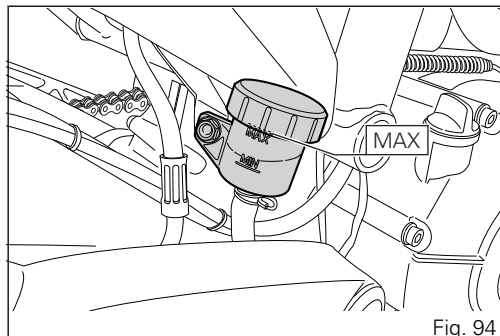


Fig. 94

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.



Warning

Brake 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.

Changing the air filter



Important

Have the air filter maintenance performed at a Ducati Dealer or Authorised Service Centre.

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.

Warning

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.

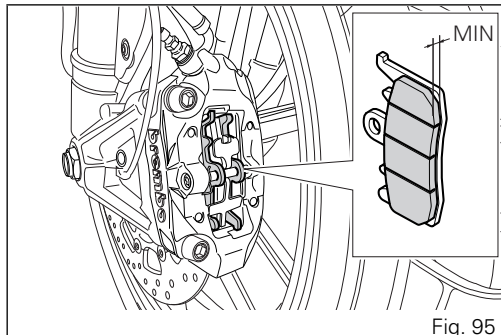


Fig. 95

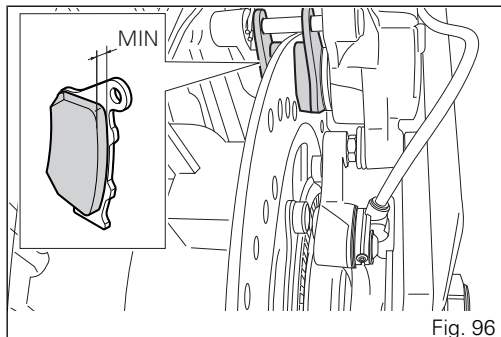


Fig. 96

Charging the battery

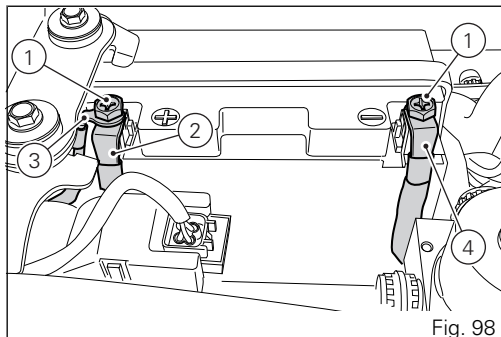
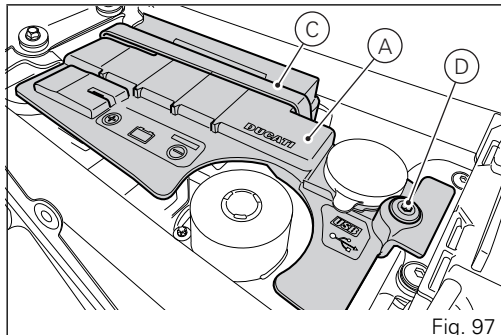
Warning

Have the battery removed at a Ducati Dealer or authorised Service Centre.

To reach the battery, remove the seat page 109 and remove battery cover (A), after disengaging rubber band (C) and loosening screw (D). Loosen the screws (1), remove the positive cable (2) and (ABS) positive cable (3) from the positive terminal and the negative cable (4) from the negative terminal always starting from the negative one (-) and remove the battery by sliding it out of its housing.

Warning

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.



Charge the battery in a ventilated room.
Connect the battery charger leads to the battery terminals: the red one to the positive terminal (+), the black one to the negative terminal (-).

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.

Grease the screws (1, Fig. 98).
Refit the battery, connect the positive cable (2, Fig. 98) and ABS positive cable (3, Fig. 98) to the positive terminal, and the negative cable (4, Fig. 98) to the negative terminal of the battery, always starting from the positive one (+), and start the screws (1, Fig. 98). Refit the battery cover (A, Fig. 97), engage rubber band (C, Fig. 97) and tighten screw (D, Fig. 97) to 5 Nm \pm 10%.

Warning

Keep the battery out of the reach of children.

Charge the battery at 0.9 A for 5÷10 hours.

If the motorcycle must be jump-started in an emergency with an external starting device, it is possible to connect the starting device to the battery without removing it from the vehicle. Connect the external starting device positive pole to the battery positive pole and the external starting device negative pole to the battery negative pole.

Warning

When connecting the external starting device to the poles of the vehicle battery, pay utmost attention not to touch any other metal parts on the vehicle.

Charging and maintenance of the battery during winter storage

Your motorcycle is equipped with a connector (1), located under the seat, to which you can connect a special battery charger (2) (Battery maintenance kit part no. 69924601A - various countries; Battery maintainer kit part no. 69924601AX - for Japan, China and Australia only) available from our sales network.



Note

The electric system of this model 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 "non-use" time.

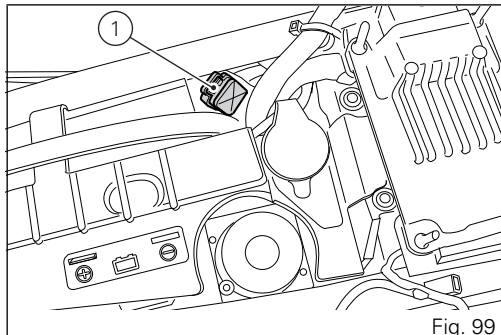


Fig. 99

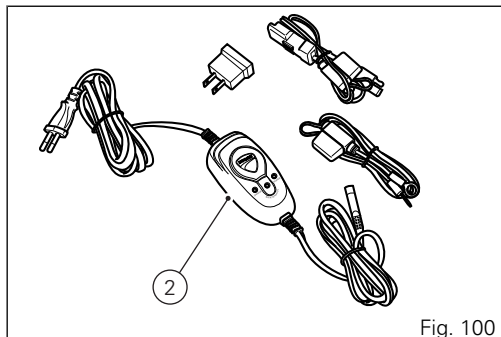


Fig. 100



Important

If battery is not kept at a minimum charge level by a suitable battery charge maintainer, sulphation may occur and this is an irreversible phenomenon causing decreasing battery performance.



Note

When the motorcycle is left unused (approximately for more than 30 days) we recommend owners to use the Ducati battery charge maintainer (Battery maintenance kit part no. 69924601A - various countries; Battery maintainer kit part no. 69924601AX - for Japan, China and Australia only) since its electronics monitors the battery voltage and features a maximum charge current of 1.5 Ah. Connect the maintainer to the diagnostics socket located in the rear side of the motorcycle.



Note

Using charge maintainers not approved by Ducati could damage the electric system; motorcycle warranty does not cover the battery if damaged due to failure to comply with the above indications, since it is considered as wrong maintenance.

Lubricating cables and joints

It is necessary to periodically check the throttle control cable and cold start cable external sheath for wear. Their external plastic sheath should be free of cracking or flattening. Work the controls to make sure the cable slides smoothly inside the sheath: if you feel any friction or catching, have the cable replaced by a Ducati Dealer or Authorised Service Centre. For trouble-free operation, periodically lubricate the ends of all Bowden cables with SHELL Advance Grease or Retinax LX2.

As far as the throttle cable is concerned, it is recommended to undo the two screws (1) and open the control, then grease the cable end and the pulley.



Warning

Carefully close the control after engaging the cable in the pulley.

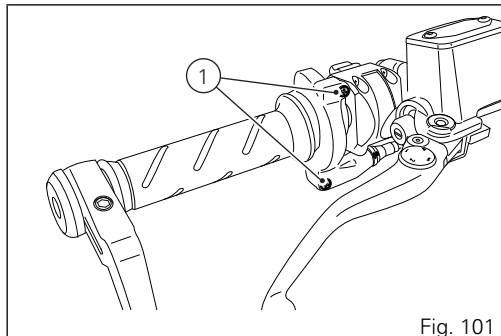


Fig. 101

Refit the cover and tighten the screws (1) to a torque of 1.8 Nm.

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.

Adjusting the throttle cable

The throttle grip must have a free play of 2 to 4 mm in all steering positions, measured on the outer edge of the twistgrip; this value is indicated in the figure as reference (A).

To adjust, work the relevant adjuster (1) located on the control itself.

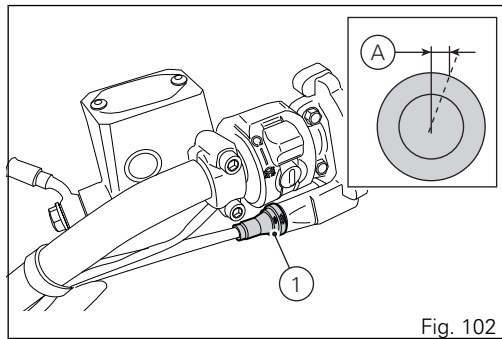


Fig. 102

Checking drive chain tension



Important

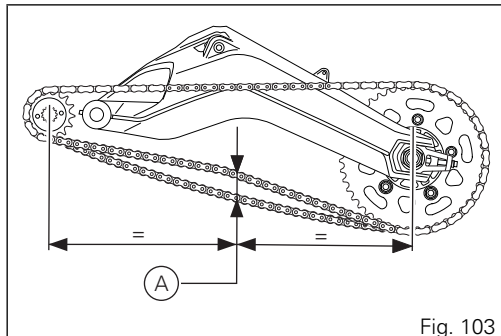
Have chain tension adjusted by a Ducati Dealer or authorised Service Centre.

Make the rear wheel turn until you find the position where chain is tightest. Set the motorcycle on the side stand. With just a finger, push down the chain at the point of measurement and release. With the chain in its rest position, measure the upward travel. It must be: $A = 27 \div 29$ mm.



Important

If drive chain is too tight or slack, adjust tension so as to bring values back to the specified range.



Warning
Correct tightening of swinging arm screws (1) is critical to rider and passenger safety.

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

Check the correspondence of the positioning marks on both sides of the swinging arm to ensure a perfect wheel alignment. Grease the wheel shaft nut thread (2) with SHELL Retinax HDX2 and tighten it to a torque of 145 Nm. Grease the adjuster screws (1) thread with SHELL Alvania R3 and tighten them to a torque of 10 Nm.

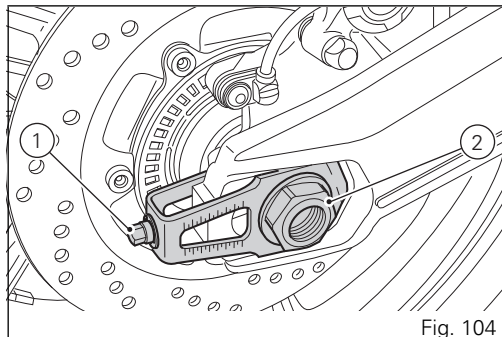


Fig. 104

Lubricating the drive chain

The chain fitted on your motorcycle has O-rings that keep dirt out of and lubricant inside the sliding parts. The seals might be irreparably damaged if the chain is cleaned using any solvent other than those specific for O-ring chains or washed using steam or water cleaners.

After cleaning, blow the chain dry with compressed air or wipe it with an absorbent material, then lubricate each link with SHELL Advance Chain or Advance Teflon Chain.



Important

Using non-specific lubricants may cause severe damage to the chain and the front and rear sprockets.

Replacing the headlight bulbs



Important

Have the lights replaced by a Ducati Dealer or an Authorised Service Centre.

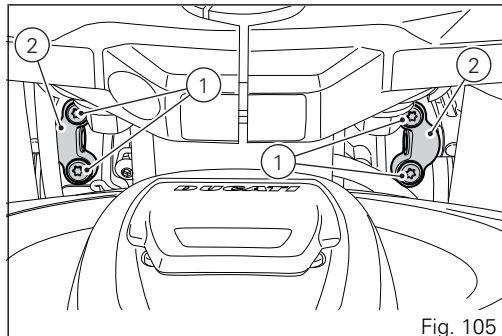


Warning

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.

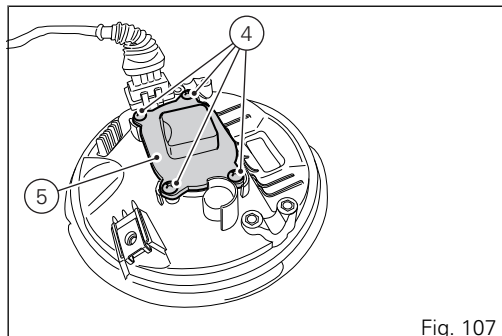
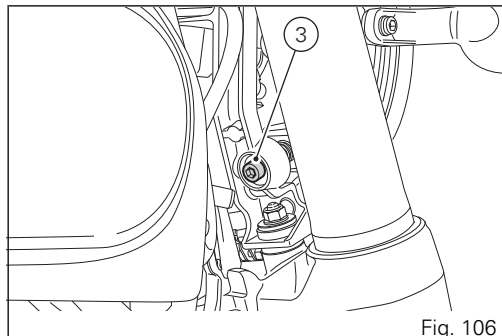
Before replacing a burnt-out bulb, make sure that the new one matches the voltage and wattage specifications in paragraph "Electric System" page 173. Always ensure that the new bulb you have installed operates properly before refitting any parts you have removed.

Loosen screws (1) and collect headlight support U-bolts (2).



Loosen screw (3).

Tilt headlight towards the front mudguard and duly support it while loosening screws (4) on light cover (5) and remove cover.



Disconnect the connector (6).

Release the clip (7).

The bulb (8) has a bayonet joint: press and twist counter clockwise to remove it. Remove the bulb, then fit the new one by pressing and turning clockwise until it clicks into its seat.



Note

Be careful to hold the new bulb at the base only. Never touch the transparent body with your fingers or it will blacken resulting in reduced bulb brilliancy.

To reassemble, refit any previously removed parts following the removal procedure in reverse order and tighten screws (1, Fig. 105) to 5 Nm.

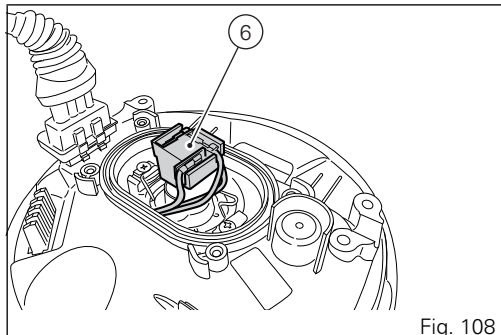


Fig. 108

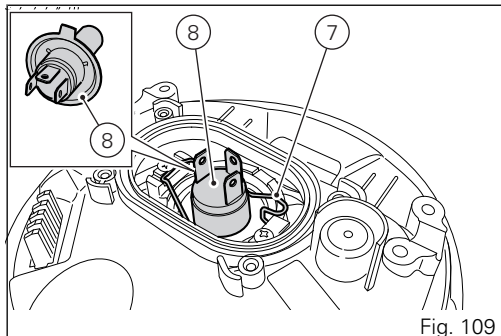
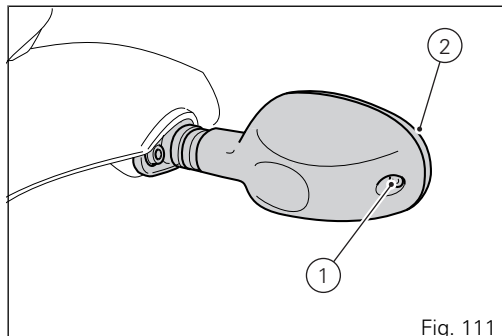
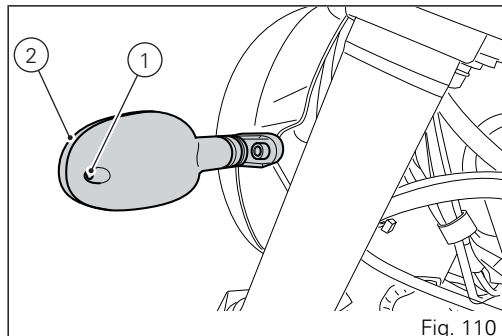


Fig. 109

Changing the turn indicator bulbs

To change the front/rear turn indicator bulbs, loosen the screw (1) and remove the lens (2).



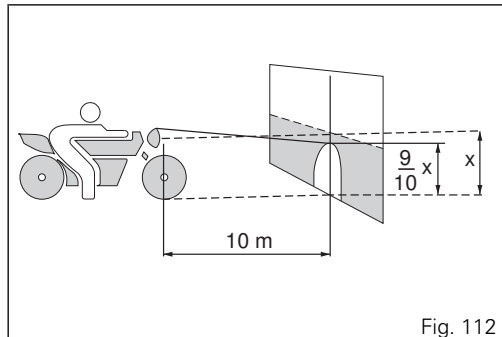
Aligning the headlight



Note

Headlight features two adjusters, one for the RH beam and one for the LH beam.

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 $\frac{9}{10}$ of the height from the ground of the headlight centre.



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.

Aligning the headlight

The vertical alignment of the headlight can be manually set by turning screw (1).



Important

Headlight beam adjuster screw has no limit stop.



Warning

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.

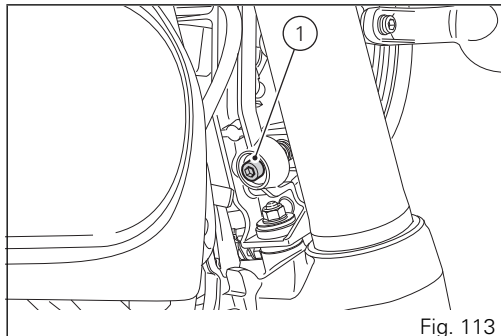


Fig. 113

Adjusting the rear-view mirrors

Manually adjust rear-view mirror (A) to required position.



Warning

Make sure that mirror position is suitable for the rider's style and ergonomics: also check that rear-view mirrors ensure proper visibility at the sides and back.



Warning

With bike at a standstill, check that rear-view mirrors allow proper steering manoeuvres.



Important

Rear-view mirrors are type-approved for installation both in the bottom and in the top position. Should you wish to change their position to the other one admitted, contact a Ducati dealer or authorised service centre.

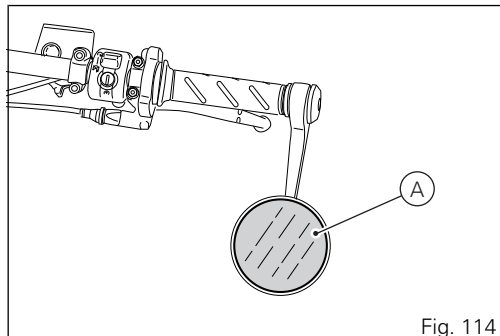


Fig. 114

Tubeless tyres

Front tyre pressure:

2.50 bar (rider only) - 2.50 bar (full load).

Rear tyre pressure:

2.50 bar (rider only) - 2.90 bar (full load).

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.



Important

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.

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.



Warning

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 and passenger.

After replacing a tyre, the wheel must be balanced.



Warning

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.

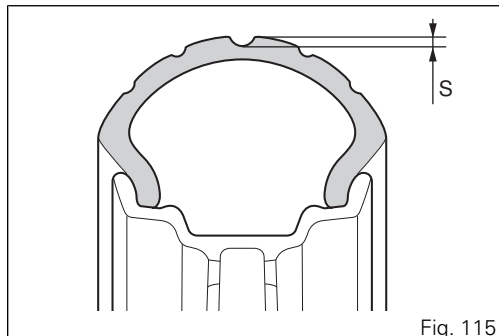
Minimum tread depth

Measure tread depth (S, Fig. 115) at the point where tread is most worn down: it should not be less than 2 mm, 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.



Check engine oil level

Engine oil level can be checked through the sight glass (1) located onto clutch cover. Oil level must be checked with the motorcycle perfectly upright and the engine cold. Oil level should be between the marks on the sight glass. If the level is low, top up with engine oil.

Ducati recommends you use Shell Advance 4T Ultra 15W-50 oil. As an alternative it is possible to use a motorcycle engine oil having the same degree SAE 15W-50 and meeting the following specifications JASO: MA2 and API: SM.

Remove the oil filler cap (2) and top up until the oil reaches the required level. Refit the plug.

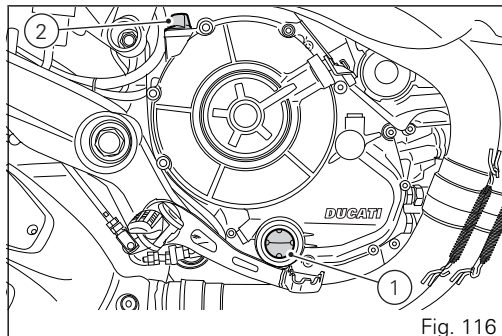


Fig. 116

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.

Recommendations concerning oil

It is recommended to use oil complying with the following specifications:

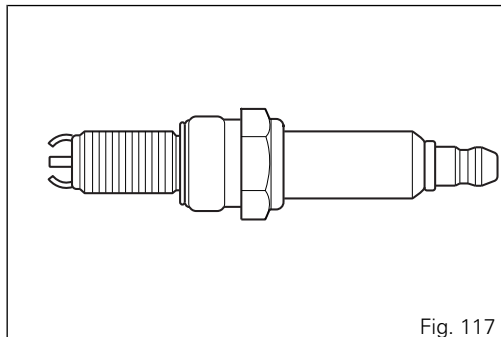
- viscosity grade SAE 15W-50;
- standard API: SM;
- standard JASO: MA2.

SAE 15W-50 is an alphanumeric 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 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.



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.



Warning

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.



Warning

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.

Seat

This model is equipped with a craft seat, with leather upholstery, therefore it is recommended to comply with the following maintenance and care tips.

Ordinary maintenance:

a damp sponge or microfibre cloth allow removal of most dirt; use mild soap to remove the most stubborn stains. After cleaning, gently rub with a damp cloth, particularly in the areas cleaned with detergents, and allow to dry preferably in the shadow, or at least away from any heat source.

Storing the motorcycle

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

- clean the motorcycle;
- empty the fuel tank;
- pour a few drops of engine oil into the cylinders through the spark plug seats, then crank the engine by hand a few times so a protective film of oil will spread on cylinder inner walls;
- place the motorcycle on a service stand;
- disconnect and remove the battery.

Battery should be checked and charged (or replaced, as required) whenever the motorcycle has been left unriden for over a month.

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, 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

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	
Reading of the error memory with DDS 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
Clean the engine oil mesh filter assembly		●					-
Check and/or adjust valve clearance			●	●	●	●	-
Change timing belts				●		●	60
Change spark plugs				●		●	-
Clean air filter			●		●		-
Change air filter				●		●	-
Check brake fluid level		●	●	●	●	●	12
Change brake fluid							36
Check brake disc and pad wear. Change, if necessary		●	●	●	●	●	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 the proper tightening of brake calliper bolts and brake disc flange screws		●	●	●	●	●	12
Check front and rear wheel nuts tightening		●	●	●	●	●	12
Check frame-to-engine fasteners tightening			●	●	●	●	-
Check wheel hub bearings				●		●	-
Check and lubricate the rear wheel shaft				●		●	-
Check the cush drive damper on rear sprocket				●		●	-
Check the proper tightening of final drive front and rear sprocket nuts		●	●	●	●	●	12
Check final drive (chain, front and rear sprocket) and sliding shoe wear			●	●	●	●	12
Check final drive chain tension and lubrication		●	●	●	●	●	12
Check steering bearings and lubricate, if necessary				●		●	-
Change front fork fluid					●		-
Visually check the front fork and rear shock absorber seals		●	●	●	●	●	12
Check the freedom of movement and tightening of the side and central stand (if any)		●	●	●	●	●	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	
Visually check the fuel lines			●	●	●	●	12
Check rubbing points, clearance, freedom of movement and positioning of hoses and electric wiring in view		●	●	●	●	●	12
Lubricate the levers at the handlebar and pedal controls			●	●	●	●	12
Check tyre pressure and wear		●	●	●	●	●	12
Check the battery charge level		●	●	●	●	●	12
Check secondary air system operation			●	●	●	●	-
Check the operation of the safety electrical devices (side stand sensor, front and rear brake switches, engine stop switch, gear/neutral sensor)		●	●	●	●	●	12
Check lighting, turn indicators, horn and controls		●	●	●	●	●	12
Reset the Service indication through the DDS		●	●	●	●	●	-
Final test and road test of the motorcycle, testing safety devices (ex. ABS) and idling		●	●	●	●	●	12
Softly clean the motorcycle		●	●	●	●	●	12
Fill out that the service was performed in on-board documentation (Service Booklet)		●	●	●	●	●	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 spoked wheels as specified in the workshop manual		●	●	●	●	●	-

* 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

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 fluid level		●
Check tyre pressure and wear		●
Check final drive chain tension and lubrication		●
Check brake pads. If necessary, contact your dealer to replace pads		●

* 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 - 93/93/EC):

186 kg.

Overall weight (without fluids and battery):

170 kg.

Maximum allowed weight (carrying full load):

365 kg



Warning

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

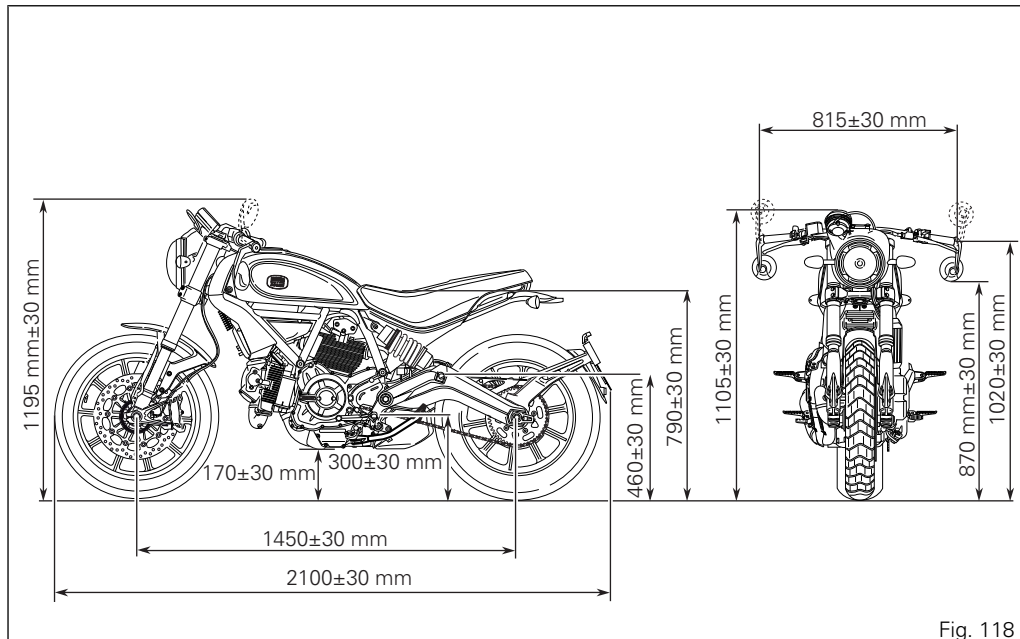


Fig. 118

Fuel, lubricants and other fluids

FUEL, LUBRICANTS AND OTHER FLUIDS	TYPE	
Fuel tank, including a reserve of 4 cu. dm (litres)	Unleaded fuel with a minimum octane rating of RON 95.	13.5 cu. dm (litres)
Oil sump and filter	Ducati recommends you use Shell Advance 4T Ultra 15W-50 oil. As an alternative it is possible to use a motorcycle engine oil having the same degree SAE 15W-50 and meeting the following specifications JASO: MA2 and API: SM	3.4 cu. dm (litres)
Front/rear brake and clutch circuits	SHELL Advance Brake DOT 4	-
Protectant for electric contacts	SHELL Advance Contact Cleaner	-
Front fork	SHELL Advance Fork 7.5 or Donax TA	427 cu. cm (right leg) 298 cu. cm (left leg)



Important

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



Warning

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.

Engine

Longitudinal 90° "L" twin cylinder, four-stroke.

Bore, mm: 88

Stroke, mm: 66

Total displacement, cu. cm: 803

Compression ratio: 11±0.5:1

Max. power at crankshaft (95/1/EC):

55 kW - 74 HP at 8,250 rpm

Max. torque at crankshaft (95/1/EC):

68 Nm - 6.9 Kgm at 5,750 rpm.

Maximum rpm:

9,200.



Important

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

Timing system

DESMODROMIC system with two valves per cylinder controlled by four rocker arms (two opening and two closing ones) and one overhead camshaft. This system is driven by the crankshaft through spur gears, belt rollers and toothed belts.

Desmodromic timing system

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

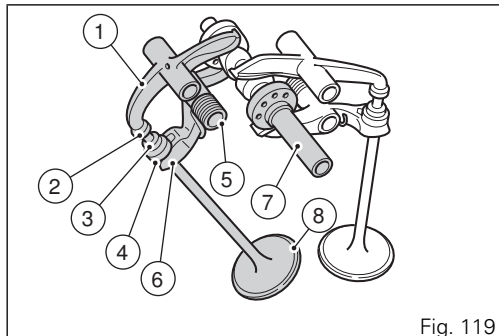


Fig. 119

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: DCPR8E

Fuel system

SYNERJECT CONTINENTAL indirect electronic injection.

Injectors per cylinder: 1

Firing points per injector: 8

Fuel supply: 95-98 RON.



Warning

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 disc.

Braking material: steel.

Carrier material: steel.

Disc diameter: 330 mm.

Hydraulically operated by a control lever on handlebar right-hand side.

Brake calliper make: BREMBO.

Type: M4.3 pistons.

Friction material: TT 2182 FF.

Master cylinder type: PS 13/22.

REAR

With fixed drilled steel disc.

Disc diameter: 245 mm.

Hydraulically operated by a pedal on RH side.

Make: BREMBO

Type: PF32.

Friction material: FERIT I/D 450 FF.

Master cylinder type: PS 11.



Warning

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

Wet clutch controlled by the lever on left-hand side of the handlebar.

Drive is transmitted from engine to gearbox primary shaft via spur gears.

Front chain sprocket/clutch gearwheel ratio: 33/61
6-speed gearbox with constant mesh gears and gear change pedal on left side of motorcycle.

Gearbox output sprocket/rear chain sprocket ratio: 15/46

Total gear ratios:

1st gear 13/32

2nd gear 18/30

3rd gear 21/28

4th gear 23/26

5th gear 22/22

6th gear 26/24

Drive chain from gearbox to rear wheel.

Make: DID

Type: 520 VF

Size: 5/8" x 1/4"

Links: 104



Important

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



Warning

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

High-strength tubular steel trellis frame.

Steering angle (per side): 35°

Steering head angle: 24°

Trail in mm: 112

Wheels

10-spoke, light-alloy rims.

Front

Size: MT 3.00 x 18"

Rear

Size: MT 5.50 x 17"

Both wheel shafts can be removed.

Tyres

Front

"Tubeless", radial tyre.

Size: 110/80-R18 MC 58H

Rear

"Tubeless", radial tyre.

Size: 180/55-R17 MC73H

Suspensions

Front

Non-adjustable hydraulic upside-down fork.

Stanchion diameter:

51 mm.

Wheel travel: 150 mm.

Rear

Progressive. The shock absorber is adjustable for spring preload.

Suspension travel: 61 mm.

Rear wheel travel: 150 mm.

Exhaust system

Single silencer with stainless steel expansion and insulation chambers.

Catalytic converter built into the silencer and two lambda sensors on the exhaust pipes at the head output.

Available colours

Matte Black

Primer 2 K Black code 873A0002 (PALINAL);

Primer, Black Stealth (Black 94) code 929.R223 (PALINAL);

Matt Clear Coat 2 K code 923I.2176 (PALINAL).

Steel tube frame, Night Copper

Aluminium wheel rims, Night Copper

Aluminium tank side covers, Night Copper

Night Copper:

Powder-coating Inverbond PE/P/HD Mic pure copper code 38970 (Inver)

Clear Coat 2K (HG) Clear Topcoat code 824CBK005 (Akzo Nobel)

Electric system

Basic electric items are:

Headlight:

low/high beam: H4 bulb (12V – 60/55W);

parking light: no. 1 LED (3.1W — 13.5V)

Electrical controls on handlebars.

Turn indicators:

front: 12V RY10W bulb;

rear: 12 VRY10W bulb.

Horn.

Stop light switches.

Battery, 12V-10 Ah, dry.

GENERATOR 14V-490W.

ELECTRONIC RECTIFIER, protected by a 30A fuse located next to fuse box (C, Fig. 121).

Starter motor: 12V-0.7 kW.

Tail light:

parking light: 12 LEDs (3.24W-12V);

stop light: 18 LEDs (7.9W-12V).

Number plate light:

lamp: 3 LEDs (0.67W-13.5V).



Note

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

Fuses

There are seven fuses that protect the electric components, located inside the fuse box, and one on the solenoid starter. The fuse box includes two spare fuses.

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

The fuse box (A, Fig. 120) is located under the seat so it is necessary to remove the seat and the battery cover to reach it. To expose the fuses, lift the box protective cover. Mounting position and ampere capacity are marked on box cover.

Fuse box key		
Pos	El. item	Rat.
1	Key-on	10 A
2	El. loads	15 A
3	Instrument panel	10 A
4	Control unit	5 A
5	Injection	20 A
6	ABS motor	25 A
7	ABS	10 A

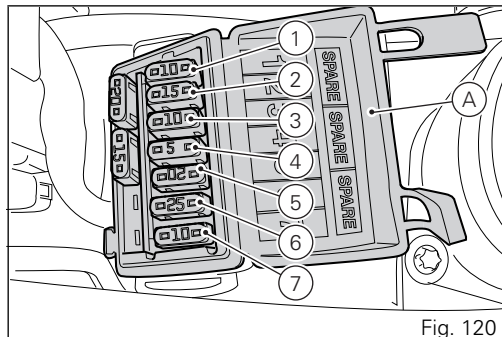


Fig. 120

The main fuse (C) is positioned on the solenoid starter (D). Remove the fuse cap (E) to reach it. 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.



Warning

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

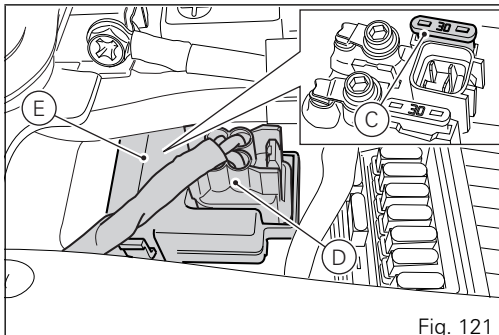


Fig. 121

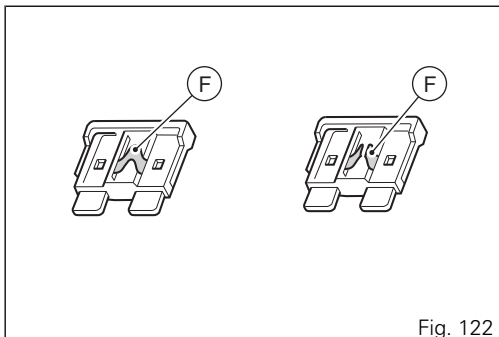


Fig. 122

Injection/electric system diagram key

- | | |
|-------------------------------|--|
| 1) Front stop switch | 25) Horizontal lambda sensor |
| 2) Clutch switch | 26) Horizontal spark plug |
| 3) Right-hand switch | 27) Horizontal coil |
| 4) Key switch | 28) Vertical spark plug |
| 5) Left-hand switch | 29) Vertical coil |
| 6) Fuse box | 30) Horizontal injector |
| 7) Mobile phone power socket | 31) Vertical injector |
| 8) Bluetooth Module | 32) Potentiometer drive (TPS) |
| 9) ABS control unit | 33) Secondary air actuator |
| 10) Starter motor | 34) MAP sensor |
| 11) Fused solenoid | 35) Oil temperature sensor |
| 12) Battery | 36) ECT sensor |
| 13) Alarm | 37) Rear speed sensor |
| 14) Rectifier | 38) Side stand switch |
| 15) Generator | 39) Gear sensor |
| 16) Rear right turn indicator | 40) Oil pressure switch |
| 17) Tail light | 41) Rear stop light |
| 18) Rear left turn indicator | 42) Data Acquisition / Diagnosis (DDA) |
| 19) Number plate light | 43) Timing/rpm sensor |
| 20) Fuel unit | 44) Air temperature sensor |
| 21) Fuel pump ground | 45) Control unit |
| 22) Main relay | 46) Stepper motor |
| 23) Fuel pump relay | 47) Front speed sensor |
| 24) Vertical lambda sensor | 48) Transponder antenna |
| | 49) Instrument panel |
| | 50) LH heated handgrip |

- 51) RH heated handgrip
- 52) Front left turn indicator
- 53) Headlight
- 54) Front right turn indicator
- 55) Horn

Wire colour coding

- B Blue
- W White
- V Violet
- Bk Black
- Y Yellow
- R Red
- Lb Light blue
- Gr Grey
- G Green
- Bn Brown
- O Orange
- P Pink



Note

The electric system wiring diagram is at the end of this manual.

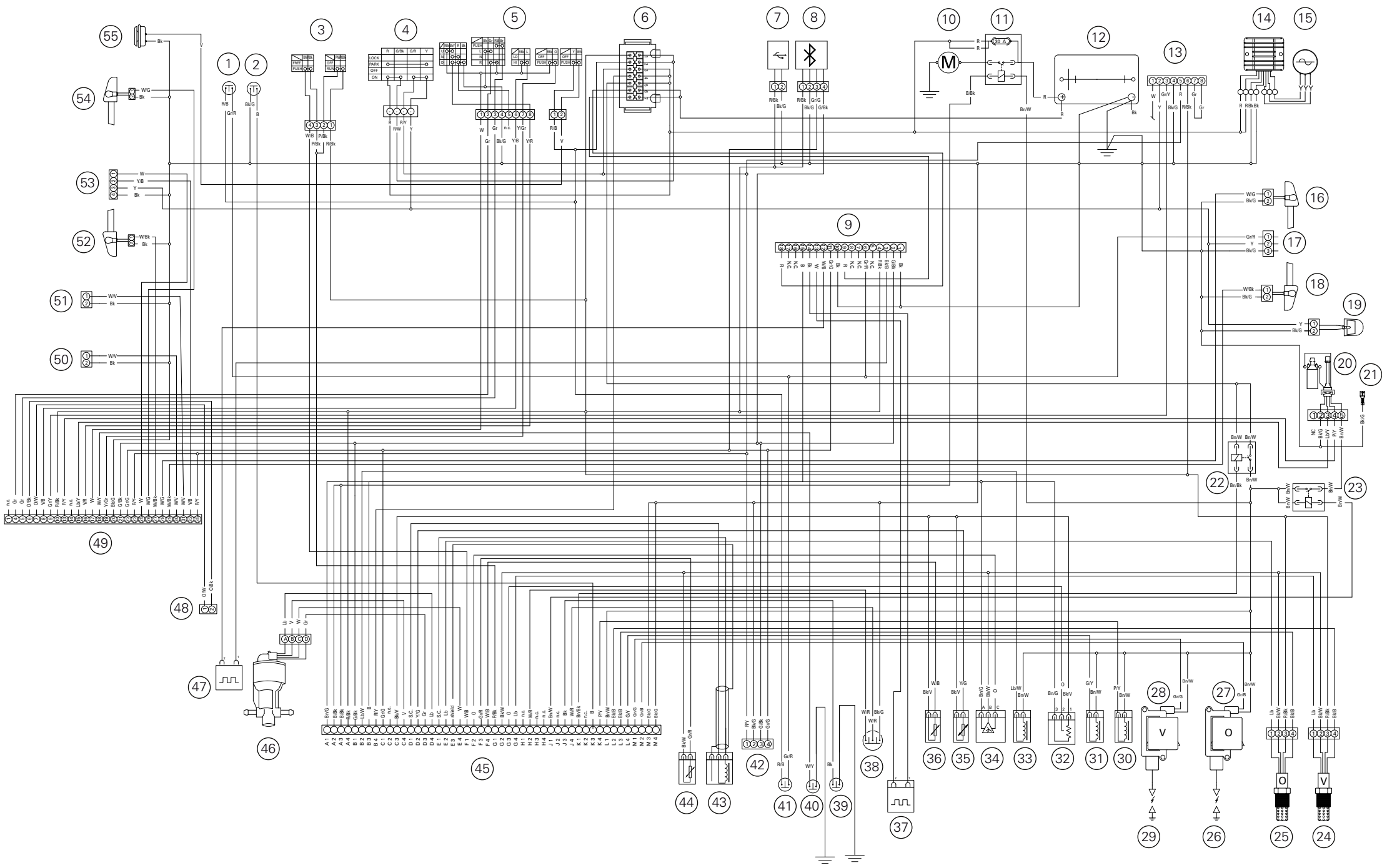
Routine maintenance record

Routine maintenance record

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

Stampato 03/2016

Cod. 913.7.311.1A



cod. 913.7311.1A



Ducati Motor Holding spa
www.ducati.com

Via Cavalieri Ducati, 3
40132 Bologna, Italy
Ph. +39 051 6413111
Fax +39 051 406580

A Sole Shareholder Company
subject to the Management
and Coordination activities
of AUDI AG