

Owner's manual

MONSTER 797

MONSTER 797⁺



This manual is an integral part of the motorcycle and must remain with it for its entire life. The manual must accompany the motorcycle if it is sold or transferred to a new owner. Please store this manual in a safe place. In case of damage or loss, request a new copy by contacting:

Ducati North America, Inc.
448 E. Middlefield Road
Mountain View, CA 94043 USA
Tel: 001.888.391.5446
E-mail: customerservice@ducatiusa.com
Web site: www.ducatiusa.com

Quality and safety standards of Ducati motorcycles are constantly being updated consequent to the development of new design solutions, equipment and accessories. Although the manual includes fully updated information at the time of print, Ducati Motor Holding S.p.A. therefore reserves the right to make changes without prior notification or without incurring obligations. For this reason, you may note discrepancies when comparing some illustrations with your motorcycle.

Any and all reproduction or dissemination of the contents in whole or in part is strictly prohibited. All rights are reserved by Ducati Motor Holding S.p.A. Requests for authorizations shall be made in writing to this company with specification of the reason.



WARNING: Operating, servicing and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.

For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

Owner's manual

US/CANADA

MONSTER 797
MONSTER 797 Plus

We'd like to welcome you among Ducati enthusiasts and congratulate you on your excellent choice of motorcycle. We imagine you'll be riding your Ducati motorcycle for long trips as well as short daily excursions. Ducati Motor Holding S.p.A. wishes you smooth and enjoyable riding.

Your motorcycle is the result of constant research and development by Ducati Motor Holding S.p.A., so it's important that the standard of quality is upheld through careful observance of the scheduled maintenance chart and the use of original spare parts. In the Owner's Manual you'll find instructions for performing small maintenance procedures. The most important servicing and maintenance procedures are contained in the Service Manual available at Authorized Service Centers of Ducati Motor Holding S.p.A.

In your own interest and safety, and in order to guarantee product reliability, we strongly recommend that you go to an Authorized Dealer or Service Center for any servicing included on the scheduled maintenance chart, see page 206.

Our highly skilled staff has access to the special tools and equipment needed to perform any servicing procedure with expertise. They use only Ducati original spare parts as the best guarantee for full interchangeability, smooth running and long life.

All Ducati motorcycles come with a Warranty Booklet. The Warranty does not extend to motorcycles used in competitions or competitive trials. Any tampering or even partial modification of the components will result in automatic invalidation of Warranty rights. Incorrect or insufficient servicing procedures, use of non-original spare parts or parts not explicitly approved by Ducati may lead to the invalidation of the Warranty, besides potential damage and reduced performance.

Enjoy your ride!

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Introduction

Safety guidelines

Your safety and that of others are very important. Ducati Motor Holding S.p.A. urges you to ride your motorcycle responsibly.

Before using your motorcycle for the first time, please read this manual carefully from start to finish and closely follow the guidelines. This will allow you to obtain all information regarding a correct use and maintenance. If you have any doubts or questions, consult a Dealer or Authorized Service Center.

Warning symbols used in the manual

Different forms of information regarding potential hazards that may affect you or others have been used. These include:

- Safety stickers on the motorcycle;
- Safety warnings preceded by a warning symbol and by one or the two words CAUTION or IMPORTANT.



Attention

Failure to observe these instructions may lead to a hazardous situation and cause severe injury to the rider or others, or even death.



Important

Possibility of damaging the motorcycle and/or its components.



Note

Additional information regarding the job being performed.

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

Intended use

This motorcycle must be used only on road surfaces with asphalt or flat and even pavement.

This motorcycle may not be used on dirt roads or for off-road riding.

Attention

Using the bike off-road may cause the rider to lose control, which in turn may lead to vehicle damage, injury or death.

Attention

This motorcycle must not be used for towing or for the addition of a sidecar, since this may cause a loss of control and consequent accident.

This motorcycle carries the rider and can carry a passenger.

Attention

The total weight of the motorcycle in running order with rider, passenger, baggage and additional accessories must not exceed 859lb/ 390kg.

Important

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

Rider's obligations

All riders must hold a driver's license.



Attention

Riding without a license is illegal and punishable by law. Make sure you always have your license on you when setting out on the motorcycle. Do not allow inexperienced riders or those not in possession of an authorized driver's license to ride the motorcycle.

Do not ride the motorcycle when under the influence of alcohol or drugs.



Attention

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

Avoid taking medication before riding the motorcycle if you have not consulted your doctor about potential side effects.



Attention

Some medications may induce sleepiness or other effects that impair reflexes and the ability of the rider to control the motorcycle, which may lead to accident.

Some countries require mandatory insurance coverage.



Attention

Check the laws applicable to your country. Take out an insurance policy and keep the policy in a safe place along with the other motorcycle documents.

To protect the safety of the rider and/or passenger, some countries have made it a law to wear a homologated helmet.



Attention

Check the laws applicable to your country. Riding without a helmet may be punishable by a fine.



Attention

Failure to be wearing a helmet in case of accident increases the chance of serious injury and even death.



Attention

Make sure that the helmet is in compliance with safety specifications, provides excellent visibility, is the correct size for the head, and has the DOT (Department of Transportation) label affixed to the helmet surface. Laws regulating traffic vary from country to country. Check the laws in force in your country before riding the motorcycle and pay strict adherence to them .



Attention

Tampering with Noise Control System Prohibited. Federal Law prohibits the following acts or causing thereof:

- 1) the removal or rendering inoperative by any person, other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; or
- 2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Among the acts presumed to constitute tampering are those listed below:

- 1) Removal of, or puncturing the muffler, baffles, header pipes or any other component that conducts exhaust gases.
- 2) Removal or puncturing of any part of the intake system.
- 3) Lack of proper maintenance.
- 4) Replacing any moving part of the vehicle, or parts of the exhaust or intake system, with parts other than those specified by the manufacturer.

This product should be checked for repair or replacement if the motorcycle noise has increased

significantly through use. Otherwise, the owner may become subject to penalties under state and local ordinances.

Reporting of safety defects

If you believe your vehicle has a defect that could cause a crash or cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA), in addition to notifying Ducati North America, Inc., 448 E. Middlefield Road, Mountain View, CA 94043, Tel.: 001.888.391.5446. If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Ducati North America. To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, D.C. area) or write to: NHTSA, 1200 New Jersey Avenue SE W43-488, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from the Hotline.

Rider's training

Accidents are frequently due to inexperience.

Riding, maneuvering and or braking are carried out differently from other vehicles.



Attention

A rider's lack of preparation or an inappropriate use of the vehicle may result in a loss of control, death or serious damage.

Check your knowledge of current "TRAFFIC LAWS"; read carefully and familiarize yourself with the contents of the M.O.M (Motorcycle Operator Manual) pertinent to your state available at the M.S.F. (Motorcycle Safety Foundation) (www.msf-usa.org) website.

You are strongly recommended to take a riding course approved by the M.S.F. (Motorcycle Safety Foundation).

Apparel

Clothing in the use of the motorcycle plays an important role in safety, as the motorcycle provides a person no protection from impact in the same way as an automobile.

Suitable clothing includes: helmet, eye protection, gloves, boots, long-sleeved jacket and long pants.

- The helmet must meet the requirements listed at page 9; if your helmet does not have a visor, use suitable eye wear;
- Gloves must have five fingers and be made of leather or other abrasion-resistant material;
- Boots or shoes used for riding must have non-slip soles and ankle protection;
- Jacket and pants, or even riding suits, must be made of leather or abrasion-resistant material and in a color with inserts that are very visible.



Important

In any case, avoid wearing loose or floppy clothing that can become stuck in the motorcycle parts.



Important

For your safety this type of clothing must be used in both summer and winter.



Important

For the safety of the passenger, make sure that he or she also wears appropriate clothing.

Safety "Best Practices"

Before, during and after use, remember to follow some simple rules that are extremely important for safety and for maintaining the motorcycle at top efficiency.

Important

During the break-in period, carefully observe the instructions contained in section "Riding the motorcycle" of this Manual.

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

Attention

Do not ride the motorcycle unless you are well familiarized with the controls to be used during the ride.

Before starting the motorcycle, always perform the checks detailed in this manual (see page 167).

Attention

Failure to perform checks may cause damage to the vehicle and serious injury to the rider and/or passenger.

Attention

Start the engine when outdoors or in a well ventilated place. Never start the engine in a closed environment.

Exhaust gases are poisonous and may lead to loss of consciousness or even death within a short time.

During the ride, assume a correct body position and make sure the passenger does the same.

Important

The rider should ALWAYS keep both hands on the handlebar.

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 maneuvering intersections or when riding in areas near exits from private grounds, parking lots or access roads to highways.



Important

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



Important

ALWAYS signal your intention to turn or pull over to the next lane with due warning using the turn indicators.



Important

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



Important

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



Attention

The engine, exhaust pipes and mufflers stay hot for a long time after the engine has been turned off. Be especially careful not to touch the exhaust system with any part of the body and never park the motorcycle near flammable materials (wood, leaves, etc.).



Attention

When you leave the motorcycle unattended, always remove the ignition key and make sure it is inaccessible to anyone unsuitable to ride the motorcycle.

Refueling

Refuel the motorcycle in an open area and with the engine switched off.

Do not smoke or ever use flames during refueling. Be careful never to drop fuel on the engine or exhaust pipe.

When refueling, do not fill the tank completely: fuel should never be touching the rim of filler recess.

When refueling, avoid inhaling fuel vapors and take care that they do not come in contact with eyes, skin or clothing.

Attention

The vehicle is compatible only with fuel having a maximum ethanol content of 10% (E10).

Using fuel with ethanol content over 10% is prohibited. Using it could result in severe damage of the engine and motorcycle components. Using fuel with ethanol content over 10% will render the Warranty null and void.

Attention

In case of malaise caused by prolonged inhalation of fuel vapors, stay outdoors and consult a physician. In case of contact with eyes, rinse eyes thoroughly with water. In case of contact with skin, wash the area immediately with soap and water.

Attention

Fuel is highly flammable. If it accidentally spills onto clothes, change them.

Carrying the maximum load allowed

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

Attention

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

Information about carrying capacity

Important

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

Important

Never fix bulky or heavy objects to the steering head or front mudguard, as this would affect stability and be dangerous.

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 interfere with moving parts.

Attention

Make sure tires are inflated to the correct pressure and that they are in good condition.

Please refer to paragraph "Tires" on page 197.

Hazardous products - warnings

Used engine oil

Attention

Prolonged or repeated contact with used engine oil may cause skin cancer. If exposed to used engine oil on a daily basis, make it a rule to wash your hands thoroughly with soap immediately after use. Keep away from children.

Brake lining debris

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

Brake fluid

Attention

Avoid spilling brake fluid onto plastic, rubber or painted parts of the motorcycle to avoid the risk of damage. Protect these parts with a clean shop rag before servicing the motorcycle. Keep away from children.

Attention

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

Coolant

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

Attention

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

The cooling fan operates automatically: keep hands well clear and make sure your clothing does not get caught in the fan.

Battery



Attention

The battery gives off explosive gases; keep it away from any source of ignition such as sparks, flames and cigarettes. Charge the battery in a well-ventilated area.

Vehicle identification number

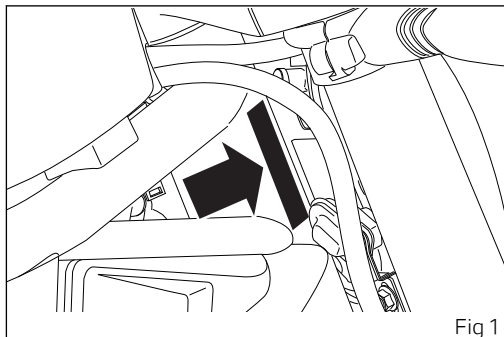


Note

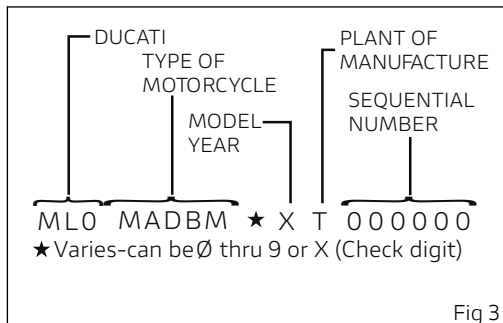
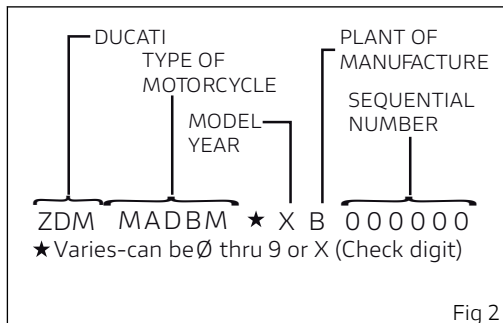
These numbers identify the motorcycle model and should always be indicated when ordering spare parts.

We recommend that you note the frame number of your motorcycle in the space below.

Frame number



There are two types of VIN number: VIN (Fig 2) refers to vehicles produced in the Italian factory, whereas VIN (Fig 3) refers to vehicles produced in the Thai factory.



Engine identification number



Note

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

We recommend that you note the engine number of your motorcycle in the space below.

Engine number

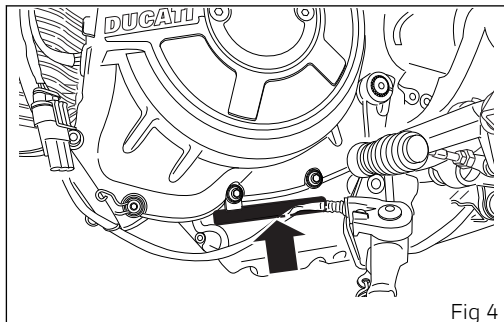


Fig 4

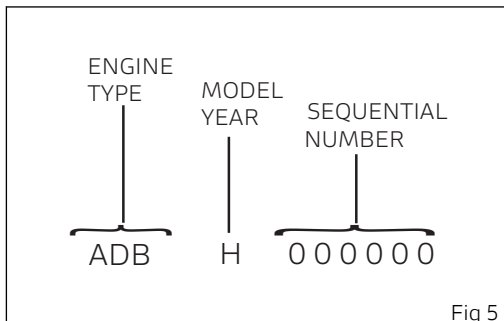


Fig 5

Plate position

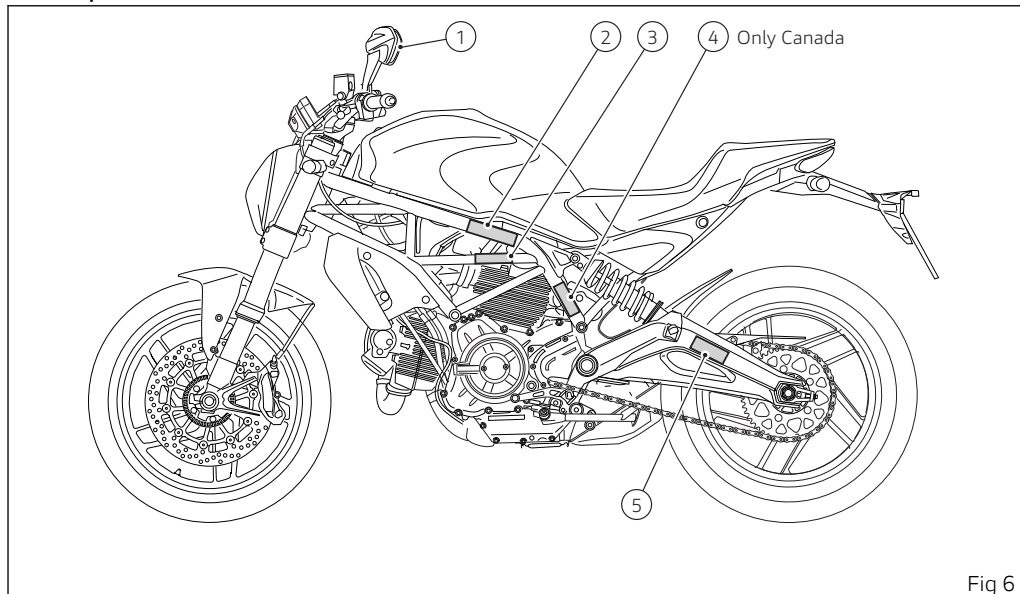


Fig 6

Cont. XXXX X XXXX XXX

1

VEHICLE EMISSION CONTROL INFORMATION			BOOKS/OTHER
Engine displacement: xxxxx cc Engine family: xxxxxxxxxx Engine exhaust control system: xxx, xxxxx, xxxxxxxxx Evap family: xxxxxxxxxxxxxx Permeation family: xxxxxxxxxxxxxx	THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO xxxxx MODEL YEAR NEW MOTORCYCLES AND IS CERTIFIED TO xxx HONDA GAKM ENGINE FAMILY EXHAUST EMISSION STANDARD IN CALIFORNIA		
ENGINE TUNING SPECIFICATIONS			
ITEM	SPECIFICATIONS	INSTRUCTIONS	
IGNITION TIMING:	x° BTDC at Idle speed	No adjustments	
IDLE SPEED (RPM):	xxxxxx ± xxxxx	No adjustments	
IDLE MIXTURE:		No adjustments	
VALVE CLEARANCE (in & ex):	Opening xxxxx ± xxxxx mm Closing xxxxx ± xxxxx mm	See Service Manual	
SPARK PLUG: xxxxx xxxxx		OR SAE xxxxxxx	
SPARK PLUG GAP (mm): xxx ± xxx		FUEL: Unleaded gasoline	
(DUCATI) MOTORHOLDING spa, Bologna - ITALY - Importer: DUCATI		North America Inc. - Cupertino - California	

2

THIS ~~xxxx~~ ~~xxxxxxxxxxxx~~ MOTORCYCLE ~~xxxxxxxxxxxxxxxxxxxx~~
MEETS EPA NOISE EMISSION REQUIREMENTS OF ~~xx~~ dB(A) AT ~~xxxx~~ RPM
BY THE FEDERAL TEST PROCEDURE.MODIFICATIONS WHICH CAUSE THIS
MOTORCYCLE TO EXCEED FEDERAL NOISE STANDARDS ARE PROHIBITED
BY FEDERAL LAW. SEE OWNER'S MANUAL 432.x.xxx.xx

432.x.xxxx.xx

3

XXX.X.XXX.XX

ENGINE FAMILY: XXXXXXXXXXXXXXXX

FUEL TANK

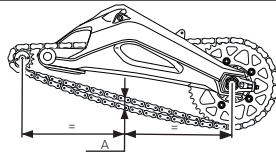
Diagram illustrating a fuel tank system. The tank is connected to a vertical rampfold, which leads to a horizontal riserfold. The riserfold is connected to a pump, which is labeled "PUMP". The pump is connected to a vent and bleed line, labeled "VENT AND BLEED".

DUCATI
Via A. C. Ducati, 3
40132 BOLOGNA
ITALY

4

Push down the chain with one finger at the indicated point of measurement and release. From chain rest position, measure UPWARD travel. It must be: A = XX ÷ XX mm. This only applies to the motorcycle standard settings, available upon

Corl XXX X XXX XX



5

24

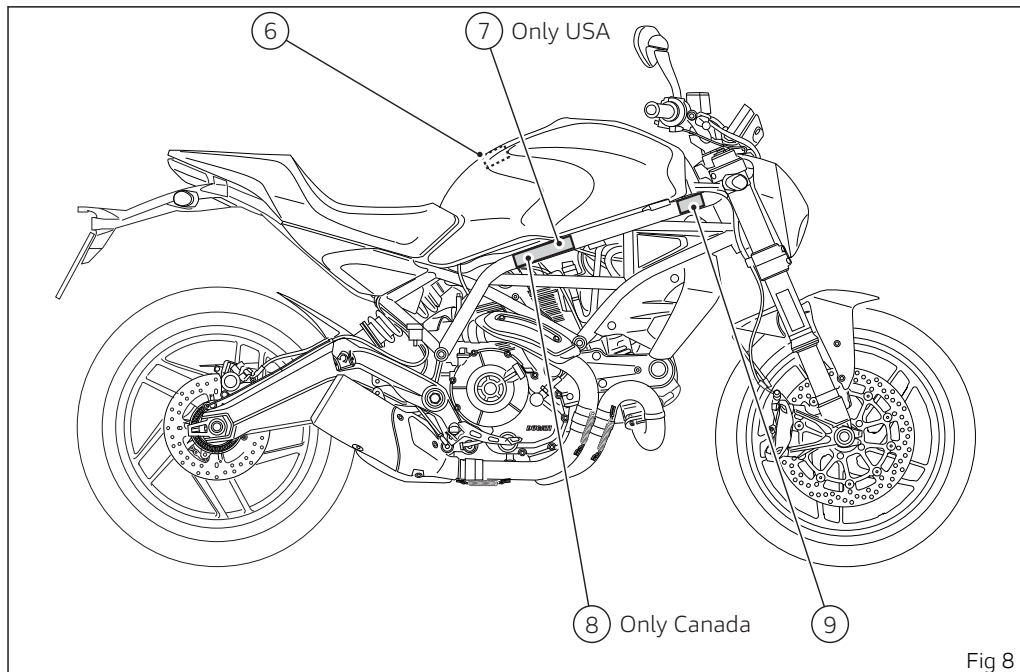


Fig 8

CAUTION

NEVER FILL TANK SO FUEL LEVEL RISES INTO FILLER NECK. IF TANK IS OVERFILLED, HEAT MAY CAUSE FUEL TO EXPAND AND FLOW INTO EVAPORATIVE EMISSION CONTROL SYSTEM RESULTING IN HARD STARTING AND ENGINE HESITATION.

6

Manufactured by: **DUCATIMOTORHOLDING spa** date: XX/XXXX 432-XXXX-XX

GVWR: XXX Lbs (XXX kg); GAWR FRONT: XXX Lbs (XXX kg); GAWR REAR: XXX Lbs (XXX kg)

WITH TIRES: FRONT XXXXXXXXXX REAR XXXXXXXXXX

WITH RIMS: FRONT XXXXXXXXXX REAR XXXXXXXXXX

RECOMMENDED TIRE COLD INFLATION PRESSURE

DRIVER ONLY, FRONT XXXX PSI (XXXkPa) REAR XXXX PSI (XXXkPa)

DRIVER AND PASSENGER, FRONT XXXX PSI (XXXkPa) REAR XXXX PSI (XXXkPa)

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE

Vehicle I.D. No. XXXXXXXXXXXXXXXXXXXX Type Classification: **MOTORCYCLE**

7 (Only USA)

MANUFACTURED BY/FABRIQUÉ PAR : DUCATIMOTORHOLDING spa

TYPE OF VEHICLE / TYPE DE VÉHICULE : MC DATE: xx/xxxx

GVWR / PNBV: xxx KG. V.I.N. / N.I.V.: xxxxxxxxxxxxxxxxxxxx

GAWR PNBE KG	DIMENSION		COLD INFLATION PRESSURE - PRESSION DE GONFLAGE A FROID		
	TIRE/PNEU	RIM/JANTE	CONDITION	PSI-LPC	kPa
xxx	xxx/xxxxxx	MT x.xx X xx	Driver only / Driver only (M+S): Driver and passenger / Driver and passenger (M+S):	xx.x / xx.x xx.x / xx.x	xxx / xxx xxx / xxx
xxx	xxx/xxxxxx	MT x.xx X xx	Driver only / Driver only (M+S): Driver and passenger / Driver and passenger (M+S):	xx.x / xx.x xx.x / xx.x	xxx / xxx xxx / xxx

THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED UNDER THE CANADIAN MOTOR VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE. CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LA SÉCURITÉ DES VÉHICULES AUTOMOBILES DU CANADA EN VIGUEUR À LA DATE DE SA FABRICATION 432-XXXX-XX

8 (Only Canada)

Fig 9

Noise and exhaust emission control system information

Source of Emissions

The combustion process produces carbon monoxide and hydrocarbons. Control of hydrocarbons is very important because under certain conditions, they react to form photochemical smog when subjected to sunlight.

Carbon monoxide does not react in the same way, but is toxic. Ducati utilizes lean carburetor settings and other systems to reduce carbon monoxide and hydrocarbons.

Exhaust Emission Control System

Exhaust Emission Control System is controlled by an Electronic Control Unit (ECU), and no adjustments should be made except idle speed adjustments with the throttle stop screw. The Exhaust Emission Control System is separate from the crankcase emission control system.

Crankcase Emission Control System

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere. Blow-by gas is returned to the

combustion chamber through the air cleaner and the throttle body.

Evaporative Emission Control System

The motorcycles are equipped with an evaporative emission control system which consists of a charcoal canister and associated piping. This system prevents the escape of fuel vapors from the engine and fuel tank.

Problems that may affect motorcycle emissions

If you are aware of any of the following symptoms, have the vehicle inspected and repaired by your local Ducati dealer.

Symptoms:

Hard starting or stalling after starting.

Rough idle.

Misfiring or backfiring during acceleration.

After-burning (backfiring).

Poor performance (driveability) and poor economy.

California emission control warranty statement Your warranty rights and obligations

The California Air Resources Board is pleased to explain the emission control system warranty on your MY 2019 motorcycle. In California, new motor

vehicles must be designated, built and equipped to meet the State's stringent anti-smog standards. Ducati North America, Inc. must warrant the emission control system on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your motorcycle.

Your emission control system may include parts such as fuel-injection system, the ignition system, catalytic converter, and engine computer. Also included may be hoses, belts, connectors and other emission-related assemblies. Where a warrantable condition exists, Ducati North America, Inc. will repair your motorcycle at no cost to you including diagnosis, parts and labor.

Manufacturer's warranty coverage

Manufacturer's warranty coverage

- 5 years or 18641 miles (30,000 kilometers), whichever first occurs.

Owner's warranty responsibilities:

- As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Ducati North America, Inc. recommends that you retain all receipts covering maintenance on your motorcycle, but Ducati North America, Inc. cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- You are responsible for presenting your motorcycle to a Ducati dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.
- As the motorcycle owner, you should also be aware that Ducati North America, Inc. may deny you warranty coverage if your motorcycle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact Ducati North America, Inc. at 001.408.253.0499 or the California Air Resource Board at 9528 Telstar Avenue, El Monte, CA 91731.

California evaporation emission system



Attention

In the event of a fuel system malfunction, contact a Ducati Authorized Service Center.

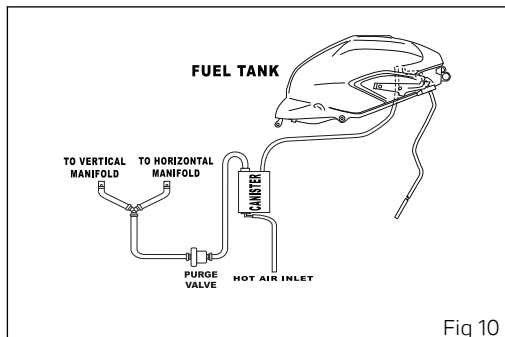


Fig 10

Ducati limited warranty on emission control system

Ducati North America, Inc., 448 E. Middlefield Road, Mountain View, CA 94043 warrants that each new 1998 and later Ducati motorcycle, that includes as standard equipment a headlight, tail-light and stoplight, and is street legal:

A) is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the United States Environmental Protection Agency, and the California Air Resources Board; and

B) is free from defects in material and workmanship which cause such motorcycle to fail to conform with applicable regulations of the United States Environmental Protection Agency or the California Air Resources Board for a period of use of 18,641 miles (30,000 kilometers) or 5 (five) years from the date of initial retail delivery, whichever first occurs.

I. Coverage

Warranty defects shall be remedied during customary business hours at any authorized Ducati motorcycle dealer located within the United States of America in compliance with the Clean Air Act and

applicable regulations of the United States Environmental Protection Agency and the California

Air Resources Board. Any part or parts replaced under this warranty shall become the property of Ducati. In the state of California only, emissions related warranted parts are specifically defined by that state's Emissions Warranty Parts List. These warranted parts are: carburetor and internal parts; intake manifold; fuel tank, fuel injection system; spark advance mechanism; crankcase breather; air cutoff valves; fuel tank cap for evaporative emission controlled vehicles; oil filler cap; pressure control valve; fuel/vapor separator; canister; igniters; breaker governors; ignition coils; ignition wires; ignition points, condensers, and spark plugs if failure occurs prior to the first scheduled replacement, and hoses, clamps, fittings and tubing used directly in these parts. Since emission related parts may vary from model to model, certain models may not contain all of these parts and certain models may contain functionally equivalent parts. In the state of California only, Emission Control System emergency repairs, as provided for in the California Administrative Code, may be performed by other than an authorized Ducati dealer. An emergency

situation occurs when an authorized Ducati dealer is not reasonably available, a part is not available within 30 days, or a repair is not complete within 30 days. Any replacement part can be used in an emergency repair. Ducati will reimburse the owner for the expenses, including diagnosis, not to exceed Ducati's suggested retail price for all warranted parts replaced and labor charges based on Ducati's recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. The owner may be required to keep receipts and failed parts in order to receive compensation.

II. Limitations

This Emission Control System Warranty shall not cover any of the following:

- A. Repair or replacement required as a result of
 - (1) accident,
 - (2) misuse,
 - (3) repairs improperly performed or replacements improperly installed,
 - (4) use of replacement parts or accessories not conforming to Ducati specifications which adversely affect performance and/or
 - (5) use in competitive racing or related events.

B. Inspections, replacement of parts and other services and adjustments required for routine maintenance.

C. Any motorcycle on which odometer mileage has been changed so that actual mileage cannot be readily determined.

III. Limited liability

A. The liability of Ducati under this Emission Control Systems Warranty is limited solely to the remedying of defects in material or workmanship by an authorized Ducati motorcycle dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the motorcycle or transportation of the motorcycle to or from the Ducati dealer. Ducati shall not be liable for any other expenses, loss or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the Ducati motorcycle for any purpose. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above limitations may not apply to you. B. No express emission control system warranty is given by Ducati except as specifically set forth herein. Any emission control system warranty

implied by law, including any warranty of merchantability or fitness for a particular purpose, is limited to the express emission control systems warranty terms stated in this warranty. The foregoing statements of warranty are exclusive and in lieu of all other remedies. Some states do not allow limitations on how long an implied warranty lasts so the above limitation may not apply to you. C. No dealer is authorized to modify this Ducati Limited Emission Control Systems Warranty.

IV. Legal rights

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

V. This warranty is in addition to the Ducati limited motorcycle warranty.

VI. Additional information

Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, Ducati is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any

individual. The warranty period begins on the date the motorcycle is delivered to an ultimate purchaser.

Ducati North America, Inc.

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Instrument panel (Dashboard)

Instrument panel

1) LCD display.

2) NEUTRAL LIGHT N (GREEN).

Comes on when in neutral position.

3) GENERAL WARNING LIGHTS (RED).

The lights turn on when RPM value reaches the first threshold before the rpm limiter kicks in;

4) HIGH BEAM LIGHT  (BLUE).

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

5) FUEL WARNING LIGHT  (AMBER YELLOW).

Turns on when fuel is low and there are about 1.06 gal (4 liters) of fuel left in the tank.

6) TURN INDICATOR LIGHTS  (GREEN).

Illuminates and flashes when the turn indicator is in operation.

7) 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. May come on briefly when the engine is hot, but should go off as the engine revs up.



Important

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

8) "ENGINE DIAGNOSIS - MIL " LIGHT  (AMBER YELLOW).

It turns on in the case of "engine" errors that in some cases will lock the engine.

9) ABS LIGHT  (AMBER YELLOW) .

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

Speed below 3 mph (5 km/h)		
Light off	Light flashing	Light steady
-	ABS enabled but not working yet	ABS disabled or in fault
Speed above 3 mph (5 km/h)		
Light off	Light flashing	Light steady
ABS enabled and functioning	-	ABS disabled or in fault

10) GENERIC ERROR WARNING LIGHT.

It turns on when there are any "vehicle" errors, i.e. active errors triggered by any control unit other than the engine control unit.

11) OVER REV / IMMOBILIZER SYSTEM (RED)

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

	Immobilizer
Key-on status	Light OFF
Key-off status	Light ON flashing
Key-off status for over 12 hours	Light OFF



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.

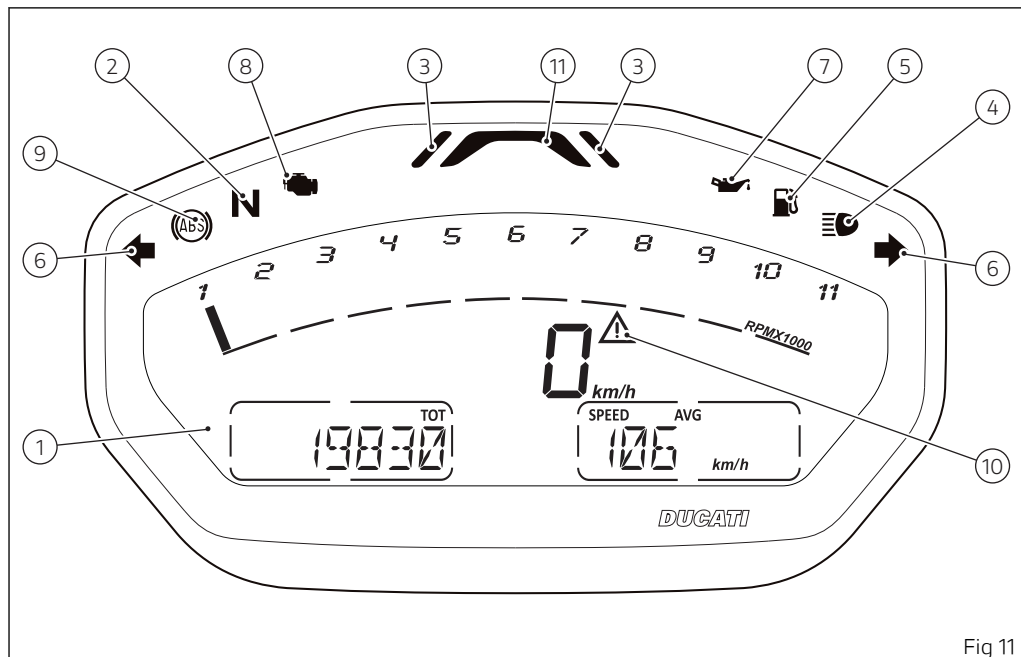


Fig 11

Acronyms and abbreviations used in the Manual

ABS

Anti-lock Braking System

BBS

Black Box System

CAN

Controller Area Network

DDA

DUCATI Data Acquisition

DSB

Instrument panel

EBC

DUCATI Engine Brake Control

ECU

Engine Control Unit

distance under braking, but also the best possible stability.

Technological Dictionary

Anti-lock Braking System (ABS) 9.1 MP

The ABS 9.1MP system fitted to the Monster 797 is a safety system preventing wheel lockup while riding with the motorcycle not leaning over.

The Monster 797 ABS implements rear wheel lift-up control in order to ensure not only smaller stopping

Function buttons

1) CONTROL SWITCH UP "▲"

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

2) CONTROL SWITCH DOWN "▼"

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

3) HIGH-BEAM FLASH BUTTON FLASH

4) TURN INDICATORS CANCEL BUTTON

The turn indicators cancel button may also be used for the CONFIRM MENU function.

5) HAZARD BUTTON

Button used to switch on/off all four turn indicators (Hazard function).

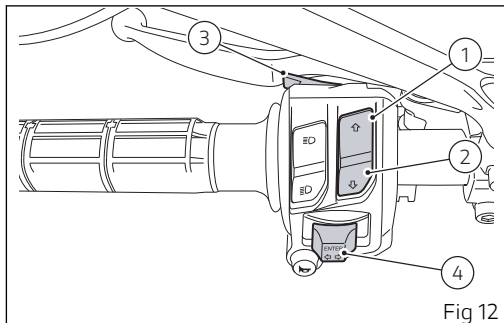


Fig 12

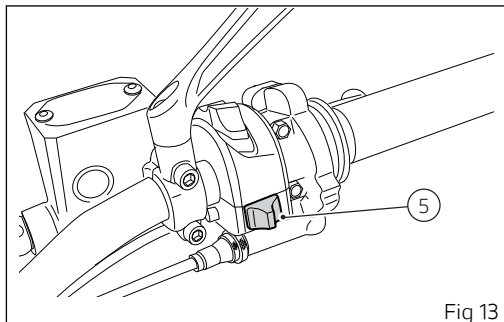


Fig 13

Parameter setting and displaying

Upon key-on, the instrument panel:

- turns on the display backlighting;
- activates the rev counter which increases from 0 to 11000 and then goes 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 in a sequence, starting from the outer to the inner ones.

At the end of the check routine, 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 3.1 mph (5 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.

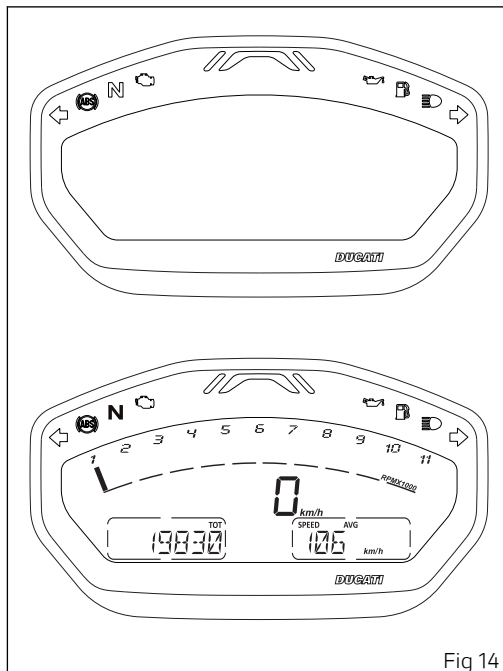


Fig 14

Data displayed on the main screen are as follows:

- 1) Vehicle speed.
- 2) Menu 1 (Odometer, Trip 1, Trip 2, Reserve partial counter if active, Trip time, Clock and Player if the Bluetooth is available).
- 3) Menu 2 (Average speed).
- 4) Generic error warning light.
- 5) Rev counter.
- 6) Infotainment (if available);

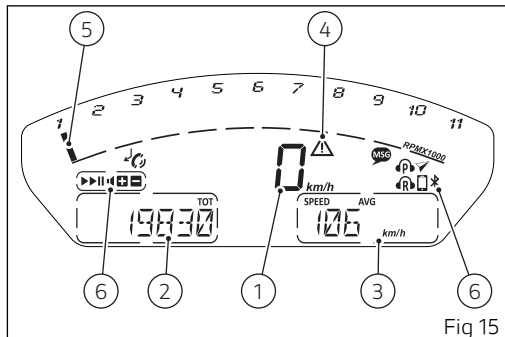


Fig 15

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

- Odometer (TOT);
- Trip meter 1 (TRIP 1);
- Trip meter 2 (TRIP 2);
- Partial reserve counter (TRIP FUEL) (if active);
- Trip time (TRIP TIME);
- Clock;
- Player (if Bluetooth is available).

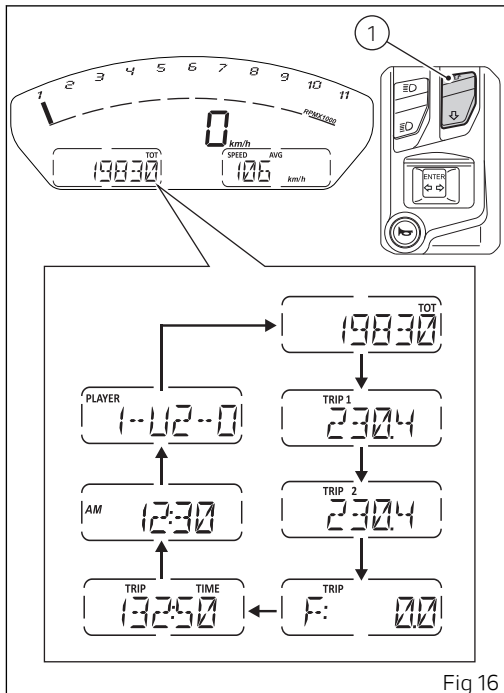
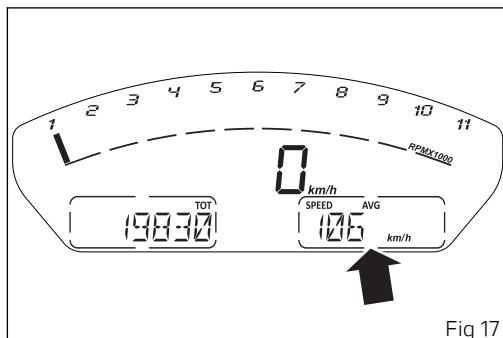


Fig 16

Menu 2 displayed functions are:

- Average speed (SPEED AVG).



The instrument panel stores Menu 1 and Menu 2 current settings upon KEY-OFF. Upon the following KEY-ON, the previously stored Menu 1 and Menu 2 screens are displayed.

In case of sudden and unexpected power off, the instrument panel displays the Menu 1 and Menu 2 default settings upon the following KEY-ON:

- Menu 1 default screen = Odometer (TOT);
- Menu 2 default page = Average speed (SPEED AVG).

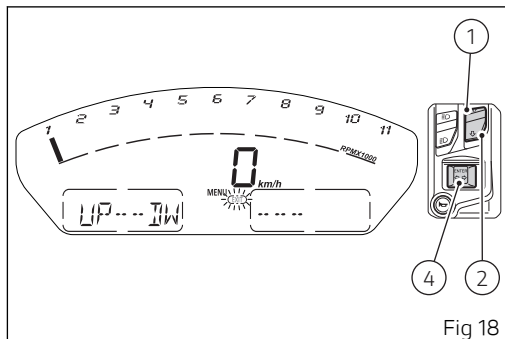
Upon KEY-ON, for each layout mode, the instrument panel displays Menu 1 "Odometer" screen for 10 seconds and then displays the page saved upon previous KEY-OFF.

When the standard screen is displayed, hold the button (4) for 2 seconds, when actual motorcycle speed is $\leq$ (lower than or equal to) 5 km/h (3.1 mph), to enter the Setting Menu, where you can set any function.



Note

You can enter the SETTING MENU only if vehicle actual speed is $\leq$ (lower than or equal to) 5 km/h (3.1 mph). Within the SETTING MENU, if vehicle actual speed exceeds 5 km/h (3.1 mph), the instrument panel automatically quits the menu and shows the Standard Screen.



If the key is not acknowledged upon KEY-ON and once the check routine is over, the following will happen:

- if the PIN CODE function is not active, the instrument panel skips the warning light check, displays the standard screen with an error warning and does not allow accessing the Setting Menu;
- if the PIN CODE function is active, the PIN CODE function page is displayed, allowing the rider to enter the personal code.

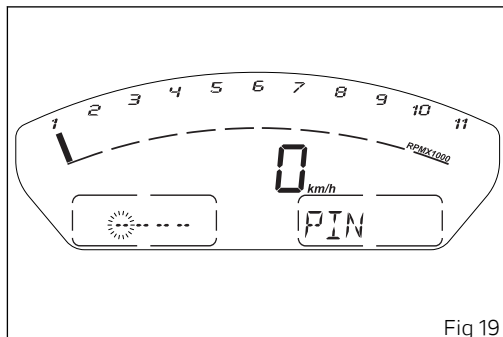


Fig 19

Main functions

The functions displayed in the Standard Screen are the following:

Main information

- Engine rpm indication (RPM)
- Vehicle speed
- Menu 1 displays the following functions:
 - Odometer (TOT)
 - Trip meter 1 (TRIP1)
 - Trip meter 2 (TRIP2)
 - Partial reserve counter (TRIP FUEL)
 - Trip time (TRIP TIME)
 - Clock
 - Bluetooth player (if Bluetooth control unit is available)
- Menu 2 displays the following functions:
 - Average speed (SPEED AVG)

Additional information

- Infotainment — Bluetooth (if present)
- Service warning (SERVICE)
- Warning/Alarm indication (Warning)

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

- PIN CODE (enter/change) (PIN)
- Display backlighting (B.L.)
- Clock setting (CLK)
- Date settings (DAT)
- Service information (SRV.)
- ABS On/Off (ABS)
- Unit setting (Speed - Temperature) (UNT)
- Battery indication (BAT)
- Engine rpm digital indication (RPM)
- Bluetooth setting (only if the relevant control unit is fitted) (B.T.)

Vehicle speed

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

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

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

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

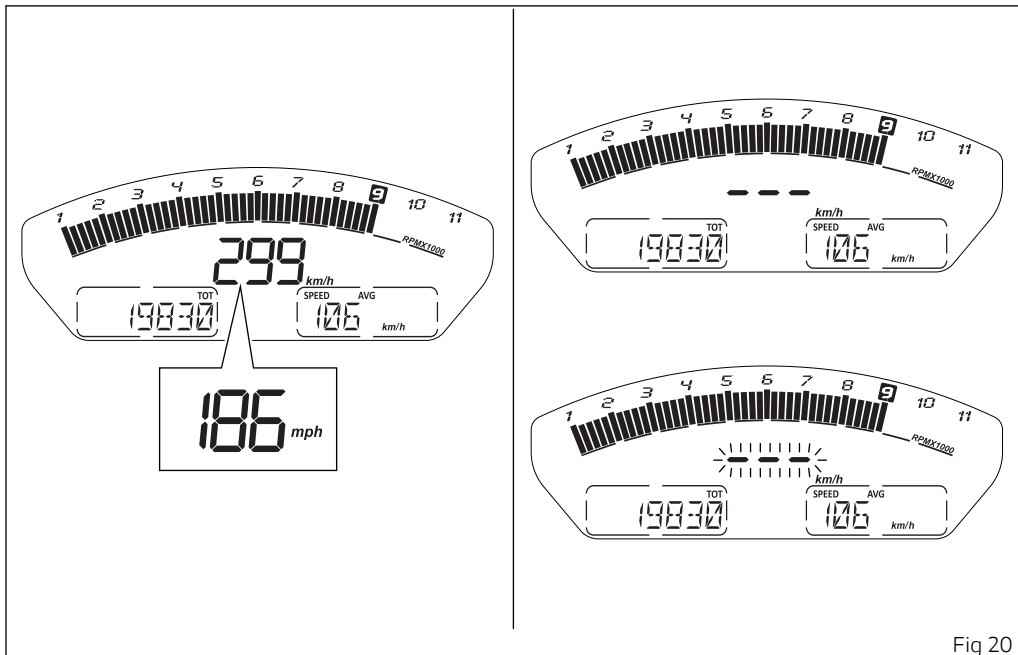


Fig 20

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 left to the right according to the engine rpm and with the negative display (switching OFF of the digit and switching on of its rectangle) of the numerical digit of the relevant miles.

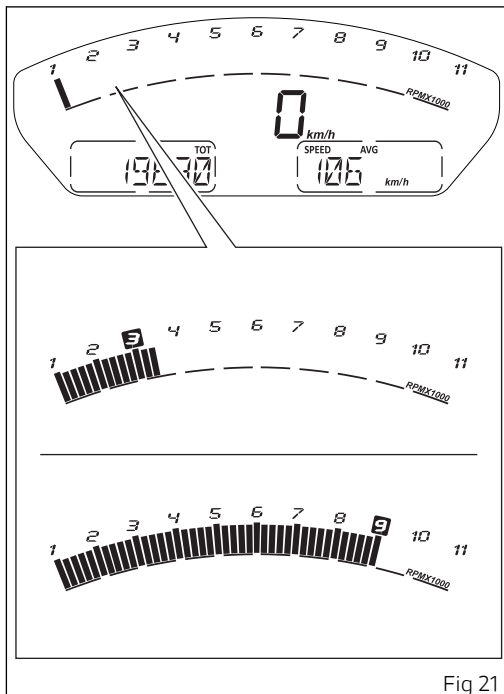


Fig 21

When the thresholds before the rpm limiter are reached, the corresponding warning lights will turn on.



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.

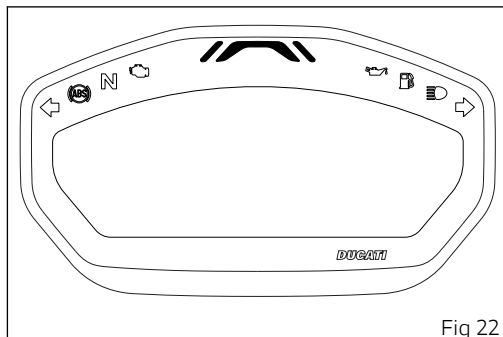


Fig 22

Menu 1 functions

Menu 1 displayed functions are:

- Odometer (TOT)
- Trip meter 1 (TRIP1)
- Trip meter 2 (TRIP2)
- Partial reserve counter (TRIP FUEL) (if active);
- Trip time (TRIP TIME)
- Clock
- PLAYER (if Bluetooth control unit is available)

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

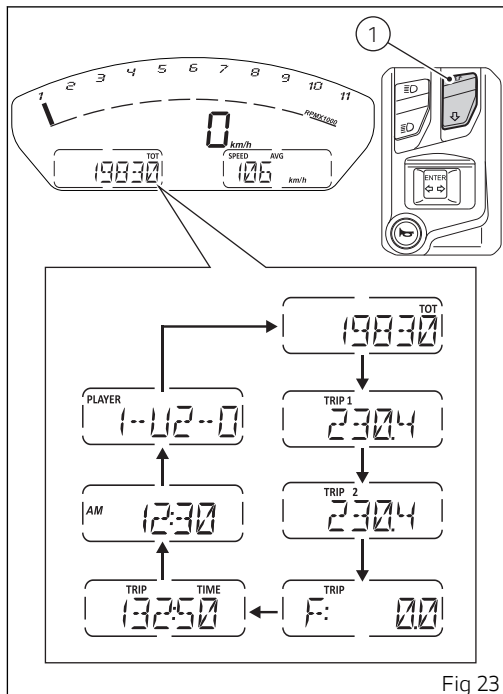


Fig 23

Odometer (TOT)

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

The odometer number of mi or km is displayed with the TOT indication and unit of measurement. When the maximum value is reached (199999 mi or 199999 km) 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).



Note

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

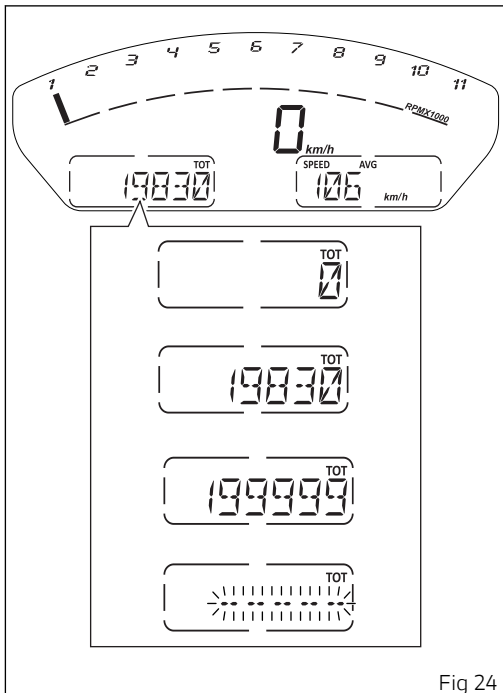


Fig 24

Trip meter 1 (TRIP 1)

The trip meter counts and displays the partial distance covered by the vehicle with the set unit of measurement (mi or km) and is used as a basis to calculate average fuel consumption, average speed and trip time. The TRIP1 number of mi or km is displayed with the TRIP1 indication and unit of measurement.

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

While the trip meter is displayed, press button (1) for 2 seconds to reset TRIP 1. When TRIP1 is reset, the average fuel consumption, average speed and trip time data are reset as well.

The TRIP1 counter is automatically reset in case the system unit of measurement is changed manually or after a battery-OFF: the counter will then start back from zero, considering the new units of measurement.

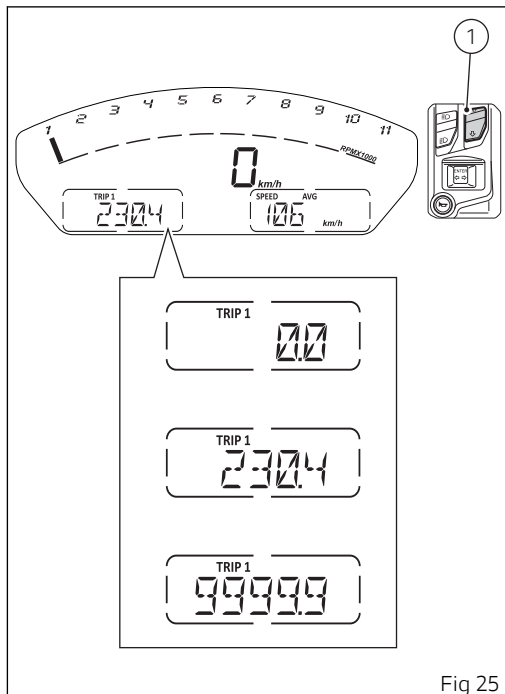


Fig 25

Trip meter 2 (TRIP 2)

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

The TRIP2 number of mi or km is displayed with the TRIP2 indication and unit of measurement.

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

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

The TRIP2 counter is automatically reset in case the system unit of measurement is changed manually or after a battery-OFF: the counter will then start back from zero, considering the new units of measurement.

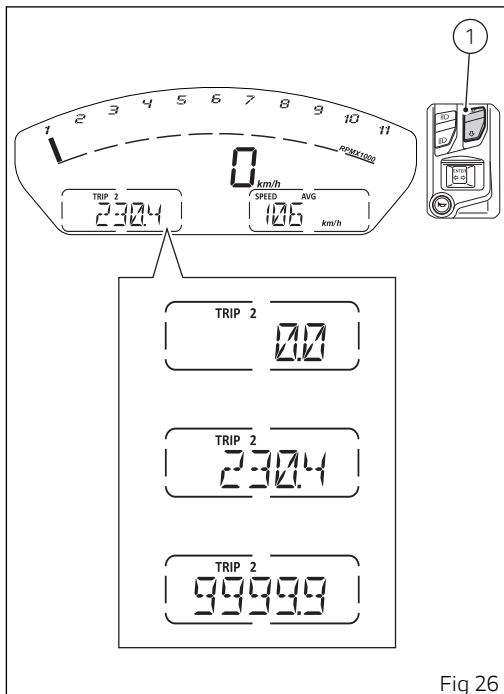


Fig 26

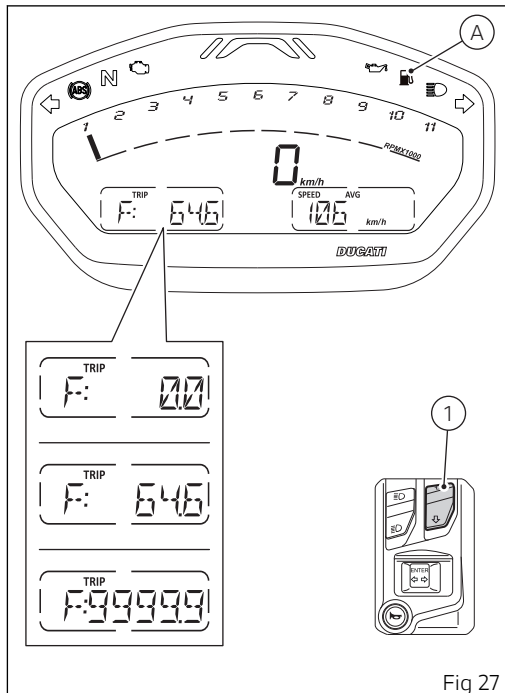
Partial fuel reserve counter (TRIP FUEL)

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

When the Low Fuel Light (A) turns on, the display automatically shows the TRIP FUEL function in Menu 1, regardless of the currently displayed function; then, it is possible to toggle through the other Menu functions using button (1).

Trip fuel reading remains stored even after Key-Off until the vehicle is refueled. 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 mi or 9999.9 km, distance traveled is reset and the meter automatically starts counting from 0 again.





Note

Whenever the unit of measurement is changed or in case of power off (Battery Off), the distance traveled is reset and the meter starts counting from zero again (considering the new set units of measurement).

Trip time

The instrument panel calculates and displays the trip time as hhh:mm followed by TRIP TIME. The calculation considers the time since TRIP1 was last reset. When TRIP1 is reset, this value is reset as well. The time count active phase occurs when the engine is running and the vehicle is stopped (the time is automatically stopped when the vehicle is not moving and the engine is off and restarts when the counting active phase starts again). When the reading exceeds 511:00 (511 hours and 00 minutes), the meter is reset and automatically starts counting from 0 again.



Note

If you change the unit of measurement for an item connected to Speed (and distance) or Consumption or after a Battery-Off, the trip time value will be automatically reset.

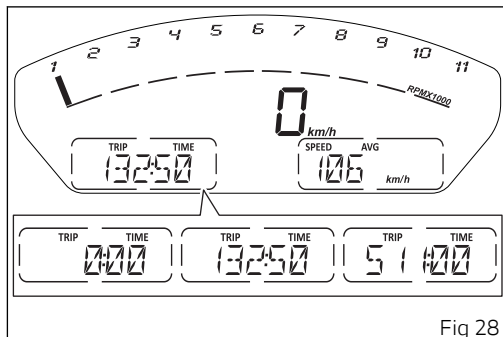


Fig 28

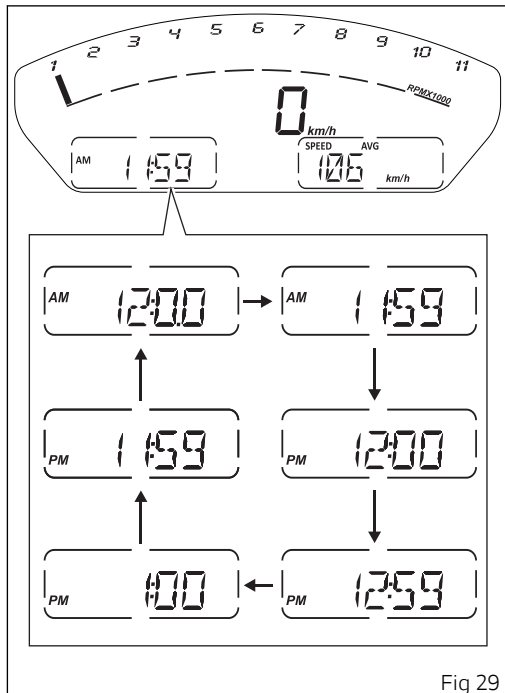
Clock

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);
- followed by a.m. (from 12:00 to 11:59) or p.m. (from 12:00 to 11:59).

In case of a power off (Battery Off), upon the following Key-On, the instrument panel displays 4 dashes " - - : - - " steadily and with flashing colon.



Menu 2 functions

Menu 2 displayed functions are:

- Average speed (SPEED AVG)

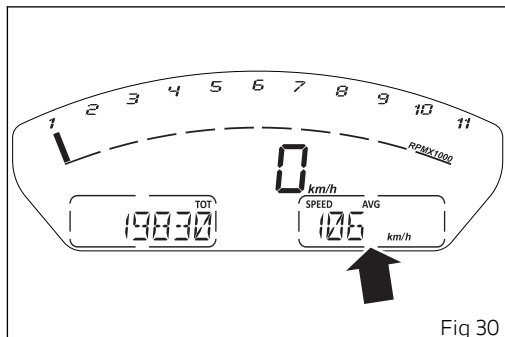


Fig 30

Average speed

The instrument panel calculates and displays the vehicle average speed, the set unit of measurement and SPEED AVG text.

The calculation considers the distance and time since TRIP1 was last reset.

The average speed value displayed is calculated by adding 5% in order to be consistent with vehicle speed indication.



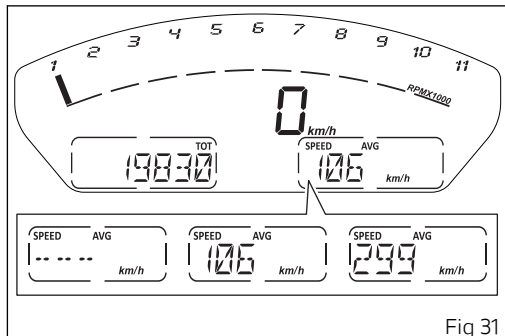
Note

You may change the units of measurement of speed (and distance traveled as well) from km/h (and km) to mph (and mi) through the Setting Menu using the "SET UNITS" Function.

When TRIP1 is reset, the value is reset and the first value available is displayed 10 seconds after the reset.

During the first 10 seconds, when the value is not yet available, the display will show a string of three dashes " - - - " steadily as average speed.

The active calculation phase occurs when the engine is running and the vehicle is stopped (moments



when the vehicle is not moving and the engine is off are not considered).

Infotainment

Monster 797 can fit the Ducati Multimedia System (DMS) only when the Bluetooth control unit is available; thanks to the DMS system the user can answer phone calls, select and listen to music tracks, and receive SMS notifications by means of the Bluetooth technology.

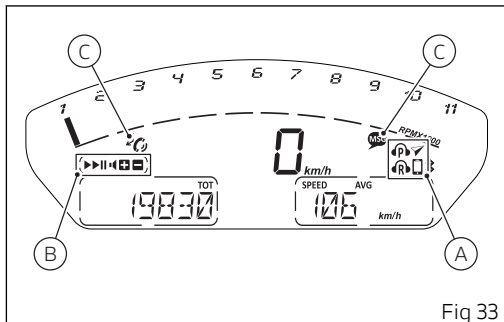
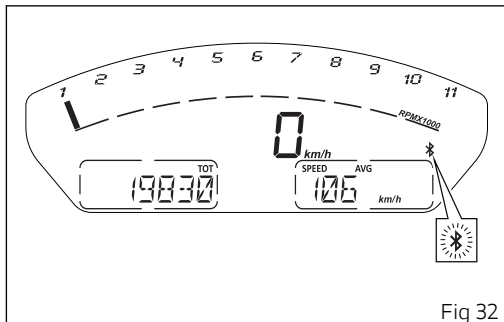
In this model, the Bluetooth control unit can be purchased by a Ducati Dealer or Authorized Service Center.

The instrument panel displays the Infotainment function status: Bluetooth activation and any connected devices (smartphone, earphones, navigator).

When the Bluetooth is active, the main screen displays the Bluetooth icon.

Furthermore, the Infotainment functions can be viewed in the dedicated menus:

- Connected devices (A);
- Player (B);
- Telephone (C).



If Bluetooth is active, apart from the Bluetooth icon, also connected device indication is displayed, such as:

- 1) Smartphone;
- 2) Rider helmet earphones;
- 3) Passenger helmet earphones;
- 4) Ducati GPS navigator.

It is possible to connect up to a maximum of 4 devices.

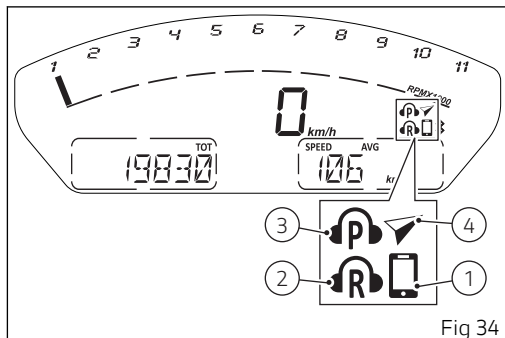


Fig 34

Phone

Use the PHONE function:

- to manage incoming calls by means of button (1) and button (2);
- to recall the last calling number within 5 seconds from call interruption (RECALL function).



Note

It is not possible to make a call by selecting the name/number from the contact list through the function buttons.

When there is an incoming call, the relevant symbol starts flashing whereas, when you answer the call, the same symbol remains steady ON.
To answer the call, press button (2).
To terminate the call, keep button (1) pressed for 2 seconds.

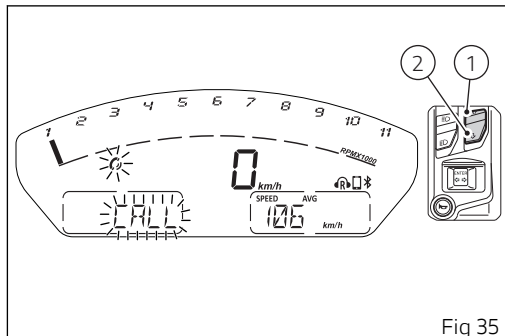


Fig 35

During the 5 seconds after hang-up, the Recall function is activated to allow the recall: Menu 1 shows the indication RECALL.

After this 5 second time, the Recall function is disabled.

To activate the Recall function within the 5 seconds, press button (2).

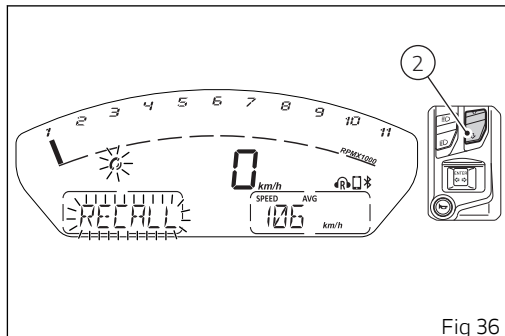


Fig 36

During a call, the receiver symbol (A) is displayed. If there is an incoming call while the Player (B) is active, the latter is paused throughout the phone call and will resume operation when call is over.

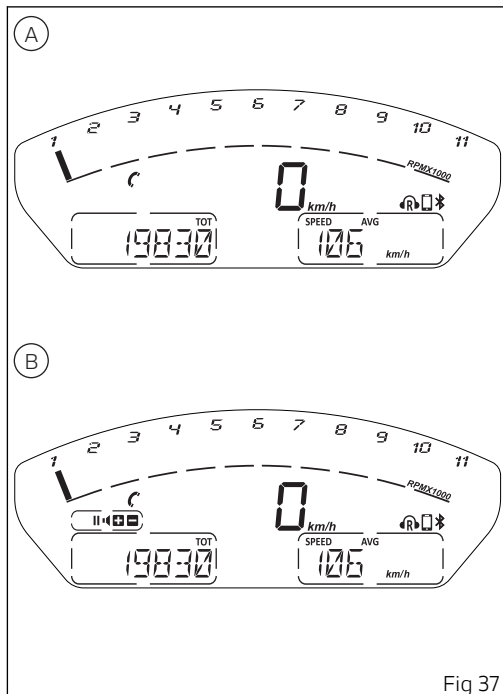


Fig 37

In case of missed calls from the moment the smartphone is connected to the bike to the moment it is disconnected, the missed call symbol will be displayed for one minute. The number of missed calls is not displayed.

In case there is at least one SMS/MMS/EMAIL not read from the moment the smartphone is connected to the bike to the moment it is disconnected, the unread message symbol will be displayed for one minute. The number of unread messages is not displayed.

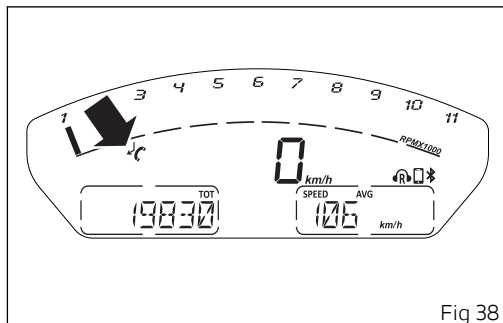


Fig 38

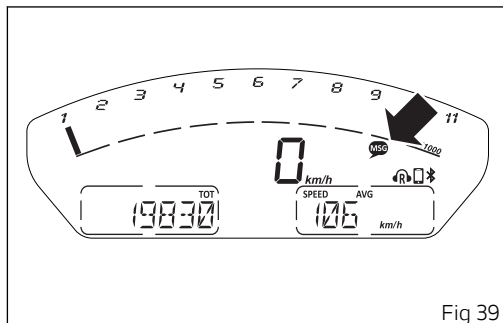


Fig 39

Player

If at least one Smartphone is connected, Menu 1 will show the PLAYER OFF function.

The Player is activated by pressing button (1) for 2 seconds.



Important

The Player function can not be activated through Menu 1 when a call is incoming, in progress or in recall.

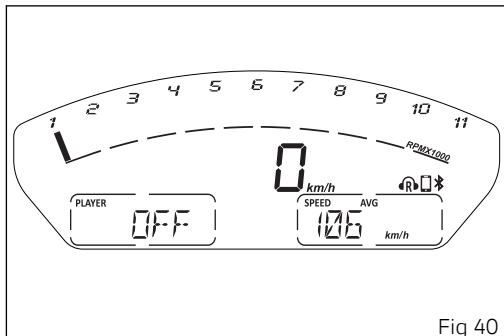


Fig 40

On instrument panel, Menu 1 PLAYER option and the active track name (C) are displayed. together with the Player menu. If the Player is turned on, button (1), button (2) and button (4) can only be used to control the PLAYER.

If there are no tracks to be played, Menu 1 will show "NO TRACK" (B).

If the Player is ON, but instrument panel is not receiving track name, it pauses the track being played and Menu 1 will read the message "PLAYER NOT AVAILABLE" (A).

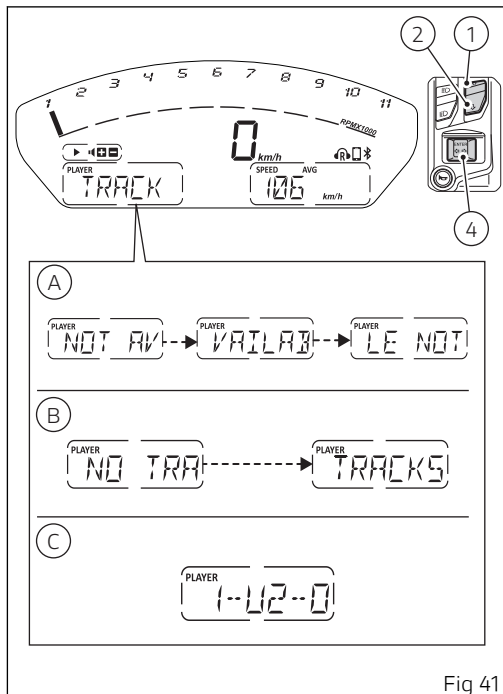


Fig 41

Adjust volume as follows:

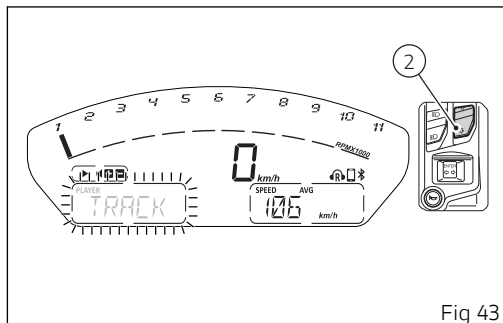
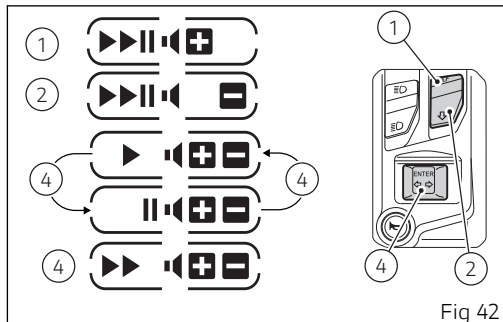
- increase volume: press button (1);
- decrease volume: press button (2).

The Player can be cyclically set to pause/play by pressing button (4) for 2 seconds.

It is possible to skip to next track, pressing button (4): system will skip forward once every time button is pressed.

Press button (2) for 2 seconds to quit Player controls, although maintaining Player ON, in the current status.

After disabling the Player controls, they can be re-enabled after 3 seconds if the item PLAYER and the track name are available in Menu 1.



The Player can be turned off by quitting the player control and pressing button (1) for 2 seconds: Menu 1 will show PLAYER OFF option.

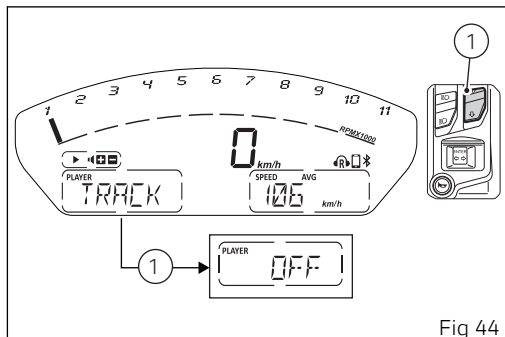


Fig 44

F.A.Q.

1) Why don't I receive any notification of received e-mails?

E-mails are notified only if configured on the telephone source application. Check also that your phone supports the MAP profile.

If so, the DUCATI MULTIMEDIA SYSTEM, during the pairing phase, will send an access request to such profile which can be notified to the user explicitly (depending on the operating system) by requesting access authorization to message notifications.

2) Why don't I receive any notification of received messages?

Check that your phone supports the MAP profile. If so, the DUCATI MULTIMEDIA SYSTEM, during the pairing phase, will send an access request to such profile which can be notified to the user explicitly (depending on the operating system) by requesting access authorization to message notifications.

3) Earphones do not connect. Why?

If they have been already paired once, we recommend resetting the earphones and pair them again with the motorcycle (see earphones instruction manual).

4) When I receive a call, the instrument panel displays the caller number but not the name (despite being saved in the contact list).

Check that the phone supports the PBAP profile. If so, the DUCATI MULTIMEDIA SYSTEM, during the pairing phase, will send an access request to such profile which can be notified to the user explicitly (depending on the operating system) by requesting access authorization to the phone contact list.

5) By activating the Player through the instrument panel, music does not start.

The activation depends on the phone settings. In this case, after activating the Player through the instrument panel, also start the music application on your Smartphone.

6) It happens that the music is played with continuous interruptions.

If the devices have just been connected, it may be that the Bluetooth control unit is still completing the connection phase with the concerned devices. It is furthermore necessary to activate the PBAP and MAP profiles. Therefore, in case of iOS, please refer to point 7). In case of Android, please refer to points 2)4)

7) I do not receive any message notification on my iPhone. Why?

Select Bluetooth in the Setting Menu. In the list "My devices" select "i" next to "Ducati Media System". Flag "Show notifications".

Service warning (SERVICE)

This indication shows the user that the bike is due for service and must be taken to a Ducati Authorized Service Center.

The service warning indication can be reset only by the Authorized Ducati Service Center during servicing.

There are 3 types of scheduled maintenance interventions:

- OIL SERVICE ZERO: service at the first 600 mi (1000 km);
- OIL SERVICE and SERVICE DATE: oil service or annual service (requiring the same maintenance operations);
- DESMO SERVICE.

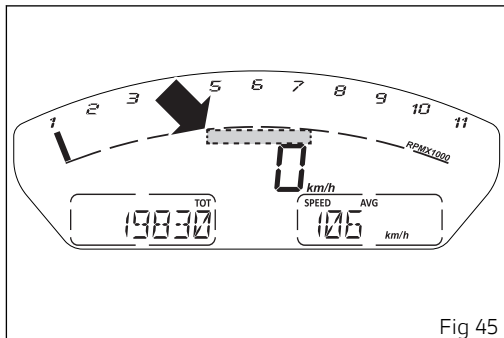


Fig 45

OIL SERVICE zero warning

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

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 a Ducati authorized service center performs a reset.

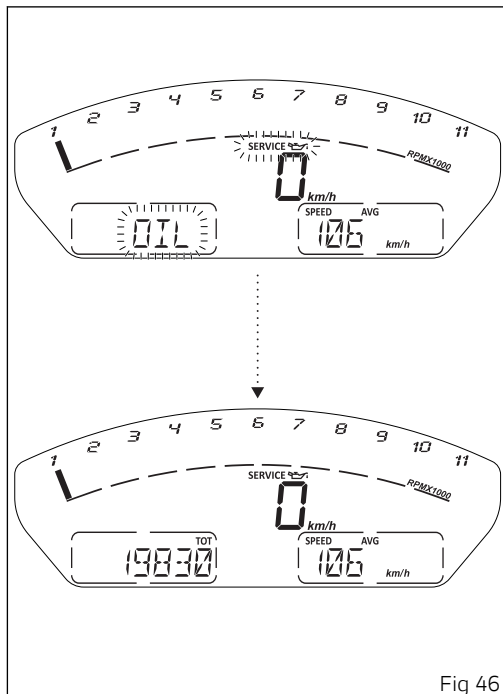


Fig 46

OIL SERVICE or ANNUAL SERVICE or DESMO SERVICE COUNTDOWN indication

After OIL SERVICE zero indication first reset (at 1,000 km - 600 mi), the instrument panel activates the following indications for 5 seconds upon Key-ON:

- the count of the mileage in miles (kilometers) remaining before the next OIL SERVICE (A) 600 mi (1000 km) earlier than the service threshold;
- the count of the days remaining before the next SERVICE DATE (B) 30 days earlier than the service threshold;
- the count of the mileage in miles (kilometers) remaining before the next DESMO SERVICE (C) 600 mi (1000 km) earlier than the service threshold.

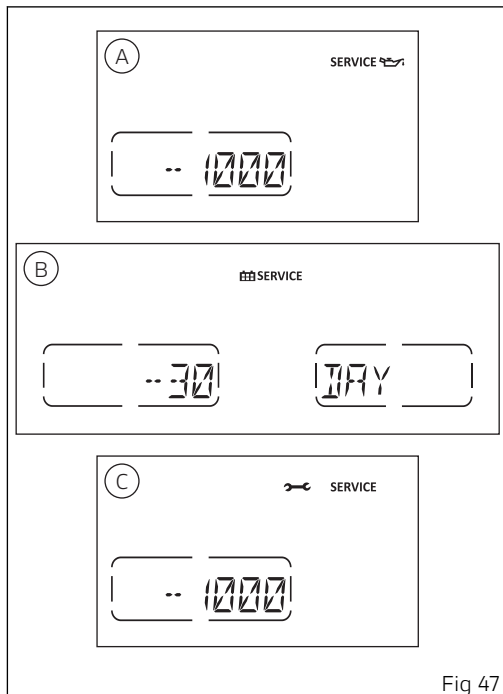


Fig 47

OIL SERVICE or ANNUAL SERVICE or DESMO SERVICE indication

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

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

The indication includes displaying for 5 seconds the flashing message SERVICE, the Oil or the Desmo or DATE symbols as well as the message OIL or DESMO or DATE upon each Key-ON; after 5 seconds, both the message SERVICE and the Oil or Desmo or DATE symbols become steady until Key-OFF or until an Authorized Ducati Service Center performs a Reset.

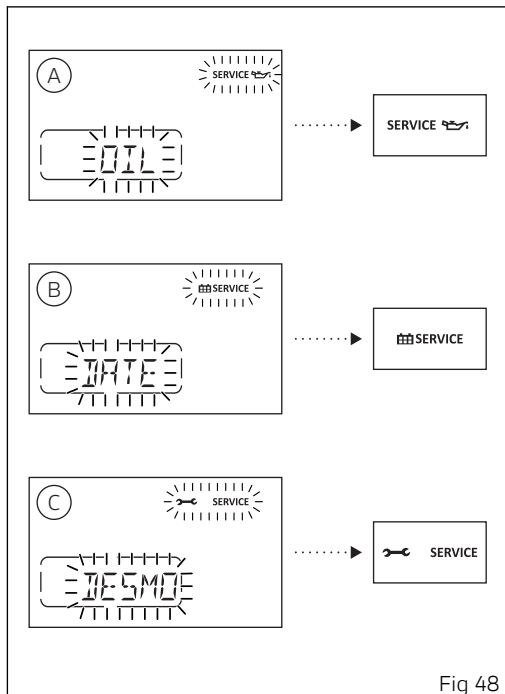


Fig 48

Warnings/Alarms (WARNING)

The instrument panel manages several warnings / alarms (warnings), in order to give useful information to the rider when he/she is using the vehicle.

Upon Key-On, if there are active warnings the instrument panel displays the indication of the present warnings.

During normal vehicle operation, when a warning is triggered the instrument panel automatically displays the warning.

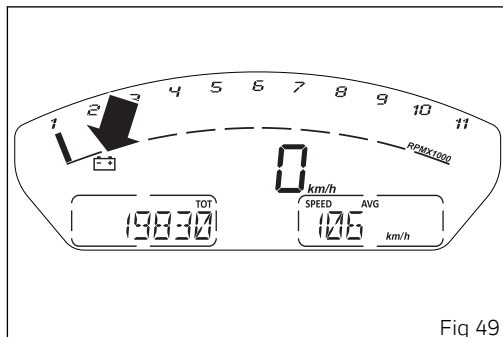


Fig 49

Low battery indication (LOW Battery)

This function warns the user that the status of the vehicle battery is low.

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



Note

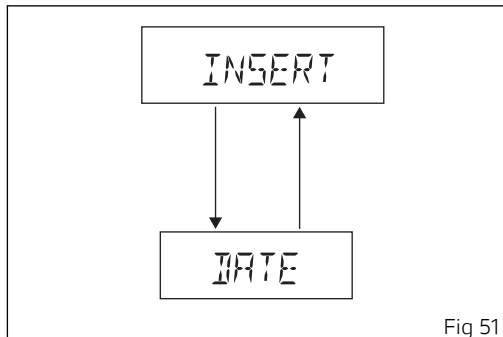
In this case, Ducati recommends charging battery in the shortest delay using the special instrument as engine could not be started.



Fig 50

Date setting

This "warning" indicates that it is necessary to enter the date through the setting Menu. The instrument panel shows "INSERT" and "DATE" 6 seconds upon Key-ON.



Error warnings

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

Upon Key-On, in case of errors, the instrument panel turns on the MIL light (A) (in case of errors directly connected to the engine control unit) or the Generic Error light (B) (in case of any other errors).

During normal operation, when an error is triggered, the instrument panel turns on the MIL light (A) or the Generic Error light (B).



Attention

When one or more errors are displayed, always contact a Ducati Dealer or Authorized Service Center.

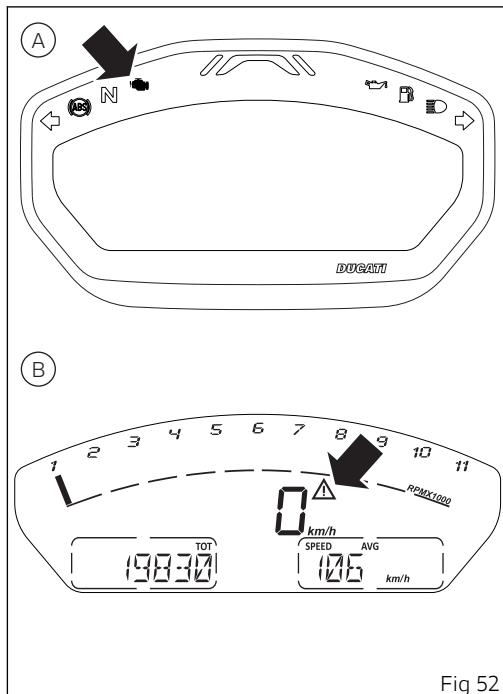


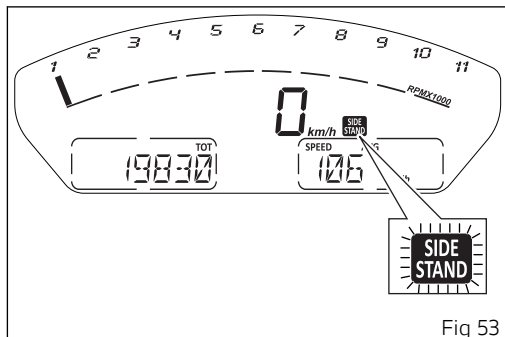
Fig 52

Viewing side stand status

The instrument panel receives information on side stand status and if side stand is down/open, the icon "SIDE STAND" is displayed.

In case of side stand sensor fault, the instrument panel will display the stand down/up indication with MIL light on.

If the instrument panel does not receive the side stand status, the "SIDE STAND" indication (open side stand) will flash to indicate an indefinite status.



Setting menu

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

To enter the Setting Menu hold button (4) for three seconds, with Key-On and vehicle actual speed $\leq$ (lower than or equal to) 3.1 mph (5 km/h): once inside this menu, you may no longer view any other function.

The Setting MENU displays the following functions:

- PIN CODE (PIN)
- BACK LIGHT (B.L.)
- CLOCK SETTING (CLK)
- DATE SETTING (DAT)
- INFO SERVICE (SRV)
- ABS On/Off (ABS)
- UNITS SETTING (UNT)
- BATTERY (BAT)
- RPM (RPM)
- BLUETOOTH (only if the relevant control unit is fitted) (B.T.)

Press buttons (1) and (2) to display in Menu 2 the customizable parameters one by one: in particular, use button (2) to show the following item and button (1) to highlight the previous item.

After displaying the required parameter, press button (4) to open the corresponding menu 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 button (4).



Important

For safety reasons, you are recommended to use this Menu with the bike at a standstill.

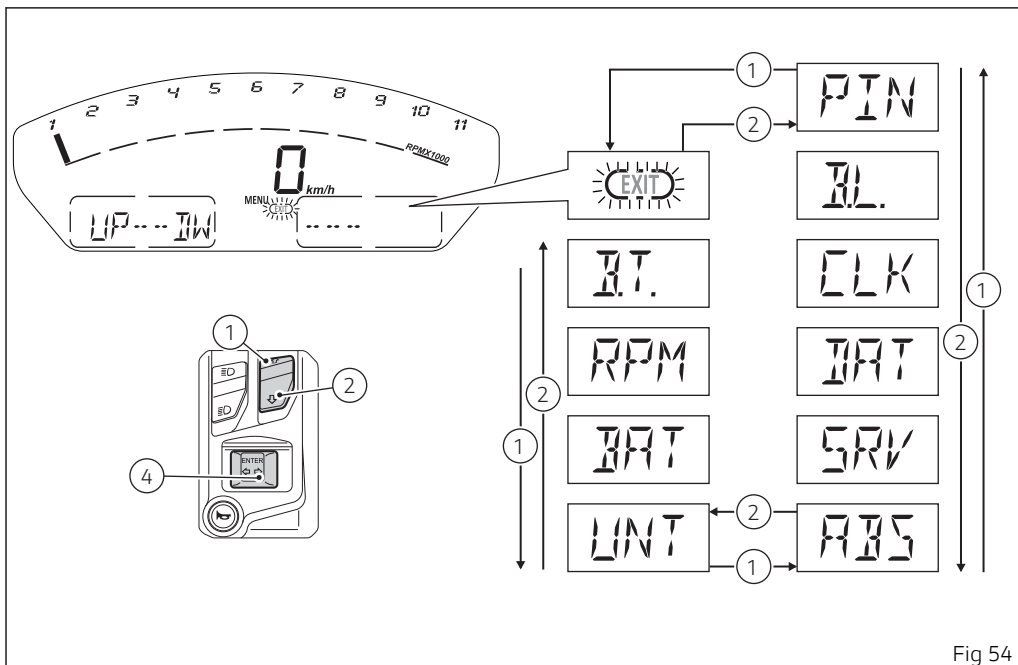


Fig 54

PIN CODE

This function allows the user to activate or modify the PIN CODE.

The PIN CODE is initially not present in the vehicle, it must be activated by the user by entering his/her 4-digit PIN in the instrument panel, otherwise the vehicle cannot be started temporarily in the case of a malfunction.

To activate this function, refer to "Activating 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, please refer to the Vehicle Overriding procedure page 141.



Attention

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

Activating the PIN CODE

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



Note

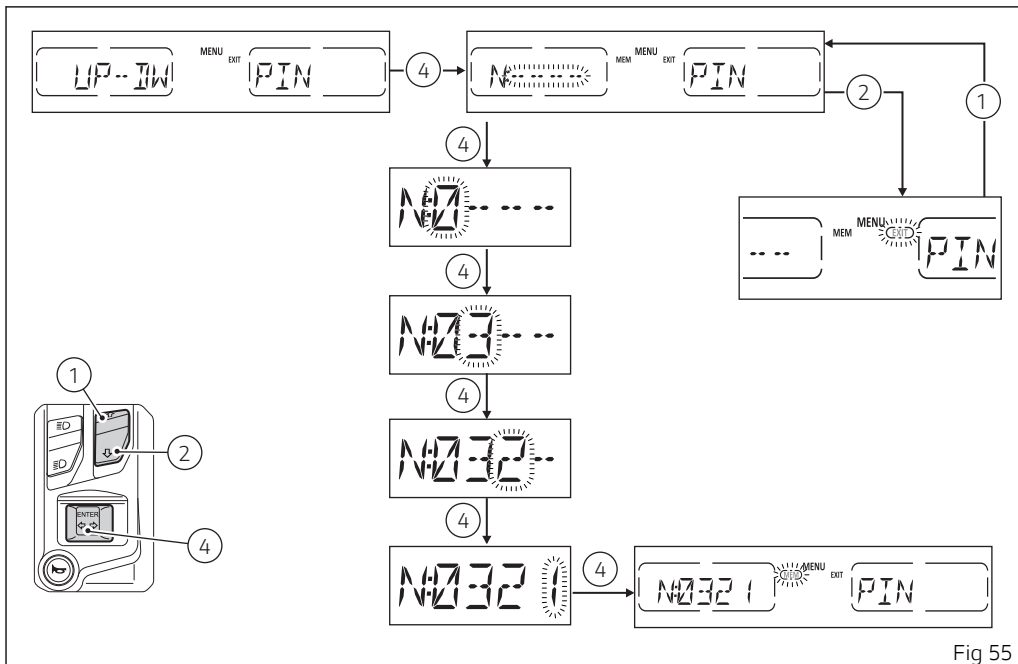
If, upon accessing this function, the "O: " (Old) indication is displayed together with four flashing dashes "- - - -", it means that a PIN code is already stored and the Function is already active.

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

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

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

Repeat the procedures until you confirm all the 4 digits of the PIN CODE.



When you press button (4) to confirm the fourth and last digit, the instrument panel highlights the "MEM" item and the relevant box will start flashing. To memorize the entered PIN, keep button (4) pressed for 2 seconds.

If settings have been saved, the message "MEM" and the relevant box will be shown steady ON for 2 seconds, and then the "EXIT" box will start flashing. 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. Press button (4) to quit.

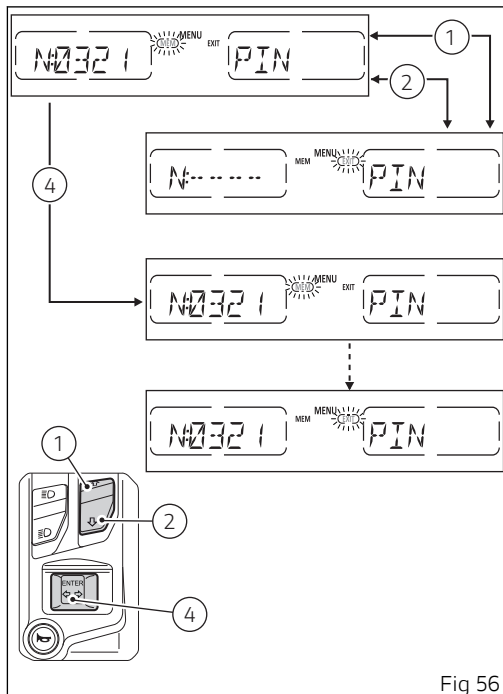


Fig 56

Changing the PIN CODE

To change the existing PIN CODE and activate a new one, you must open the Setting Menu. Select PIN option, by pressing button (1) or (2). Once function is highlighted, press 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 screen without changing 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), one digit starts flashing indicating "0";
- 2) Each time you press the button (1) the displayed number increases by one (+ 1) up to "9" and then starts back from "0";
- 3) Each time you press the button (2) the displayed number decreases by one (- 1) up to "0" and then starts back from "9";
- 4) To confirm the number, press the button (4);

Repeat the procedures until you confirm all the 4 digits of the PIN CODE.

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

Press button (4) for 2 seconds and the system will check the entered PIN CODE. After 2 seconds:

- if the PIN CODE is correct (D), the instrument panel shows "OK" flashing for 2 seconds, followed by " N: " (new) followed by four flashing dashes "- - - -" referred to the new PIN.
- if the PIN CODE is not correct (E), the instrument panel shows ERROR flashing for 2 seconds, followed by "EXIT".

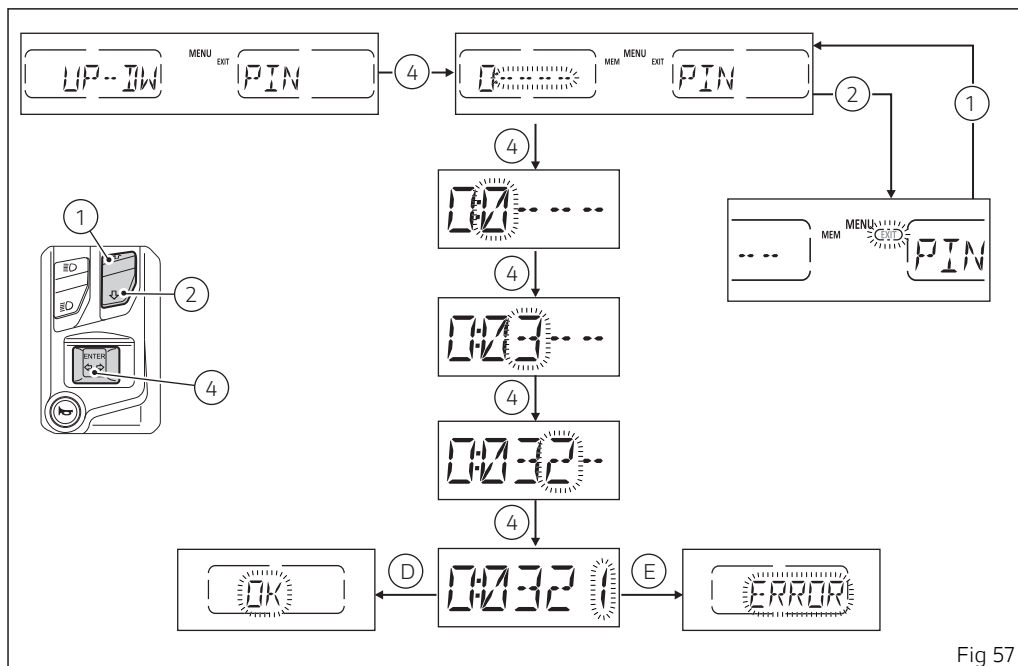


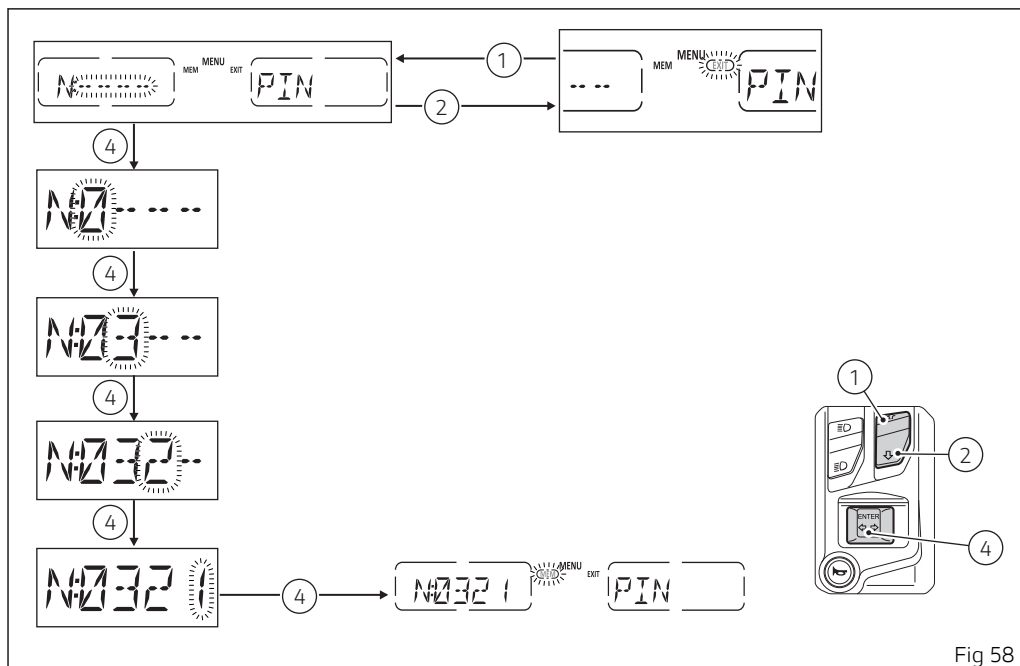
Fig 57

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

Entering the "new" code:

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

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



When you press button (4) to confirm the fourth and last digit, the instrument panel highlights the "MEM" item and the relevant box will start flashing. To save the new setting, hold button (4) for 2 seconds while the "MEM" item is highlighted. If settings have been saved (D), the message "MEM" and the relevant box will be shown steady ON for 2 seconds, and then the message "EXIT" will be highlighted with its box flashing. If settings have not been saved, the instrument panel highlights again the string of four dashes "- - - -" of the NEW PIN to allow the rider to try again and enter a new code. Press button (4) to quit.



Note

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

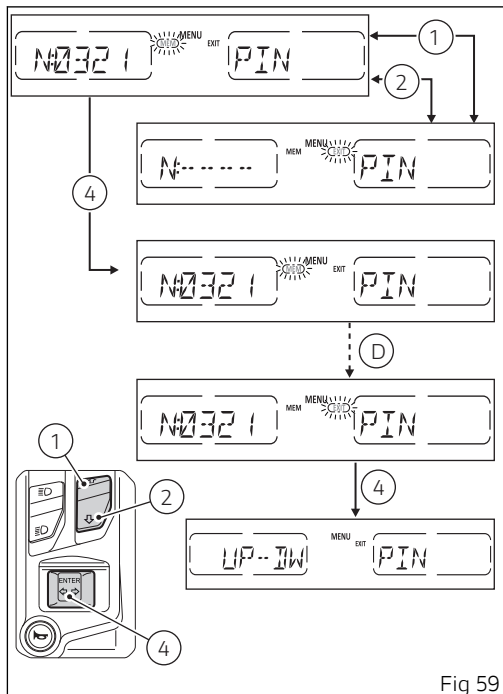


Fig 59

Backlighting setting

This function allows adjusting the backlighting intensity.

To adjust the backlighting gain access to the SETTING MENU, and keys (1) and (2) to select the "B.L." indication, then press button (4) to confirm. When accessing the function, the active mode will flash whereas the MENU and EXIT texts will be steady on.

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

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

Select MEDIUM 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.

To save the new setting, hold button (4) for 2 seconds while the "MEM" item is highlighted with flashing frame.

After saving, the display will show MEM-OK for 2 seconds; then, "EXIT" will be highlighted with

flashing frame. To exit the menu and go back to previous page, press button (4).



Note

In the event of a Battery off, when power is restored and upon the next Key-On, the backlighting will always be set by default to maximum brightness.

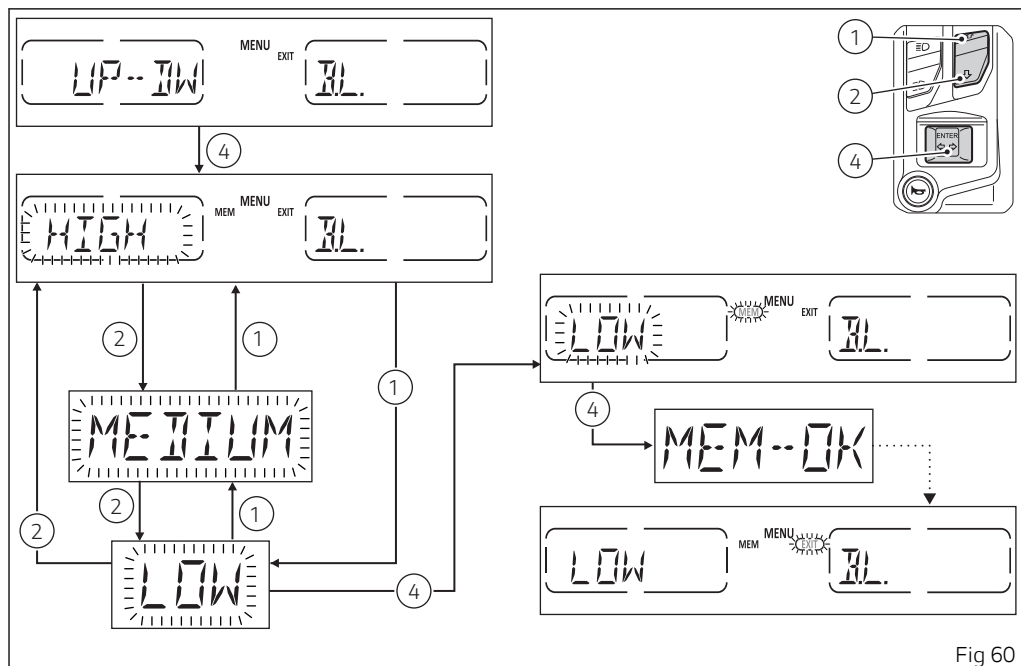


Fig 60

Clock setting

This function allows user to set or adjust the time. Enter the Setting Menu. Select "CLK" option, by pressing button (1) or (2). Once function is highlighted, press button (4). You open the "CLK" Menu.

It is possible to set the clock as follows:

- the "AM" indication starts flashing;
 - if you press button (2) the "PM" indication starts flashing;
 - press button (1) to go back to previous step.
- Press button (4) to shift to hour setting, hours will start flashing;
 - each time you press button (1), the digit will increase by one hour. If you hold button (1) down, the number increases cyclically in steps of one hour every second (when the button is held depressed, the hours do not flash).
 - each time you press button (2), the digit will decrease by one hour. If you hold button (2) down, the number decreases cyclically in steps of one hour every second (when the button is held depressed, the hours do not flash).

- Press button (4) to shift to minute setting, minutes will start flashing;
 - each time you press button (1), the digit will increase by one minute. If you hold button (1) down, the number increases cyclically in steps of one minute every second (when the button is held depressed, the minutes do not flash).
 - each time you press button (2), the digit will decrease by one minute. If you hold button (2) down, the number decreases cyclically in steps of one minute every second (when the button is held depressed, the minutes do not flash).

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. Press button (4) to quit.



Note

Every time the battery is disconnected, the clock is reset and must be set again by the user.

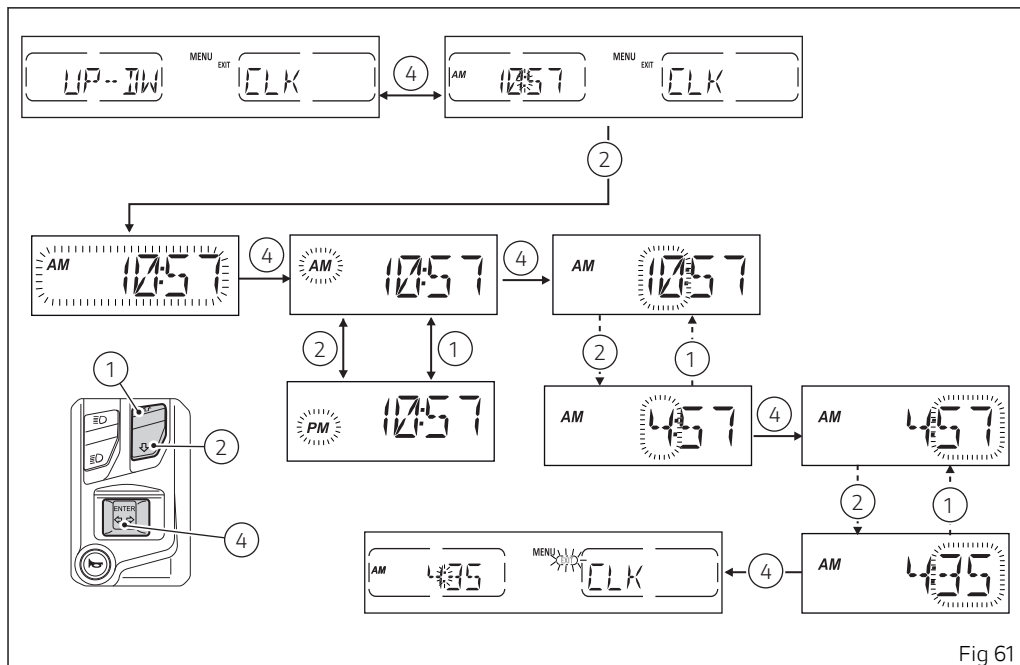


Fig 61

Date setting

This function allows user to set or change the date.

Enter the Setting MENU.

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

Once function is highlighted, press button (4).

Important

Every time the battery is disconnected, the calendar date is reset and must be set again.

The displayed available settings are:

- Y: year
- M: month
- D: day

with the two-digit value next to each item.

When entering the function, the "Y" indication will flash.

To set and/or change the date, use buttons (1) and (2) to select the field to be modified (Y for year, M for month, D for day) and press button (4).

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

Setting the year

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

Once option is highlighted, press button (4).

Year two-digit value starts flashing.

Press button (2) to decrease year value by 1: 99, 98, ..., 00, 99. Keep button (2) pressed to make counter decrease in steps of 1 year per second (years will not flash while button is pressed).

Press button (1) to increase year value by 1: 00, 01, ..., 99, 00. Keep button (1) pressed to make counter increase in steps of 1 year per second (years will not flash while button is pressed).

Once you reach the value to be set, press button (4) and the set year will stop flashing.

Setting the month

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

Once option is highlighted, press button (4).

Month two-digit value starts flashing.

Press button (2) to decrease month value by 1: 12, 11, ..., 01, 12. Keep button (2) pressed to make counter decrease in steps of 1 month per second (months will not flash while button is pressed).

Press button (1) to increase month value by 1: 01, 02, ..., 12, 01. Keep button (1) pressed to make counter increase in steps of 1 month per second (months will not flash while button is pressed).

Once you reach the value to be set, press button (4) and the set month will stop flashing.

Setting the day

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

Once option is highlighted, press button (4).

Day two-digit value starts flashing.

Press button (2) to decrease day value by 1: 31, 30,

01, 31. Keep button (2) pressed to make counter decrease in steps of 1 day per second (days will not flash while button is pressed).

Press button (1) to increase day value by 1: 01, 02,

31, 01. Keep button (1) pressed to make counter increase in steps of 1 day per second (days will not flash while button is pressed).

Once you reach the value to be set, press button (4) and the set day will stop flashing.

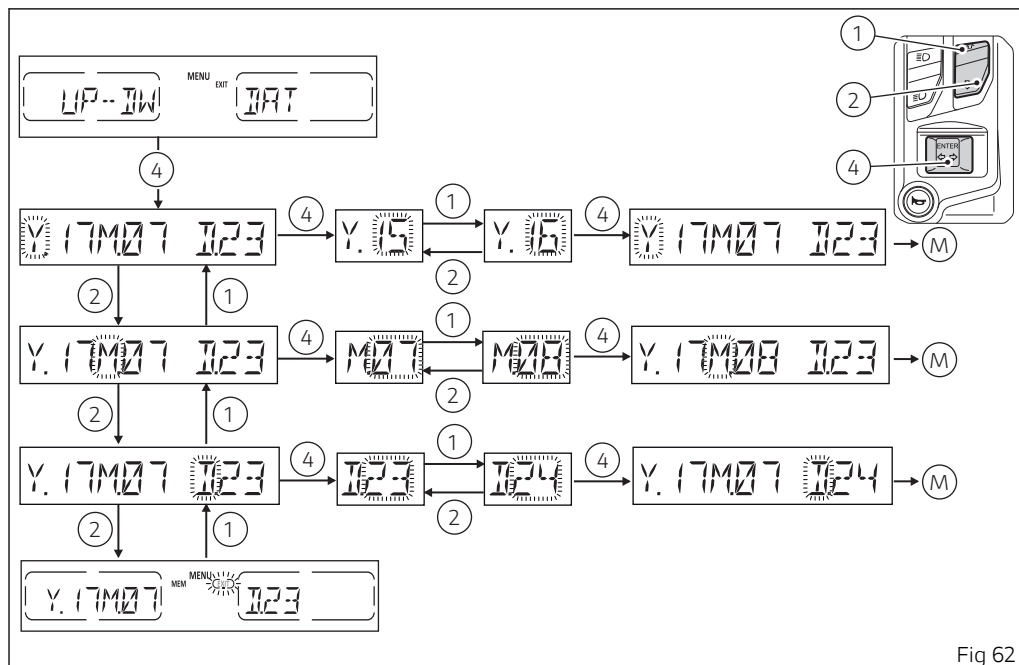


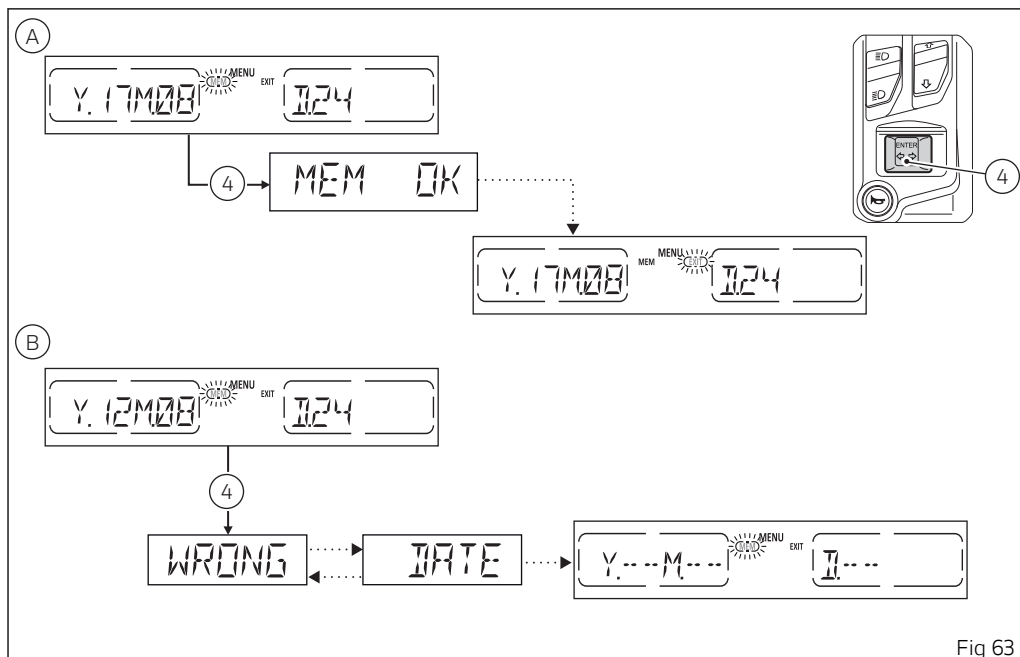
Fig 62

Storing the date

To store set/modified date, select MEM using buttons (1) and (2) and press button (4) for 2 seconds. The instrument panel will display "MEM OK" for two seconds and then automatically highlight "EXIT".

If date is not correct, the instrument panel will display "WRONG DATE" flashing for three seconds and then will automatically highlight EXIT, while date is indicated as "-- -- --" steady. It is still possible to set a new date.

To go back to previous page (setting menu page), press button (4) when EXIT is highlighted.



Service information

This Function allows viewing information about the remaining time or mileage until the next Oil Service, Desmo Service and Annual Service.

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

Available information:

- Desmo Service: indicates the mile (or km) count-down to the next DESMO SERVICE: it is displayed when the Desmo Service symbol (A) flashes;
- Oil Service: indicates the mile (or km) count-down to the next OIL SERVICE: it is displayed when the Oil Service symbol (B) flashes;
- Annual Service: indicates the ANNUAL SERVICE expiration date: it is displayed when the symbol DATE (C) flashes.

When accessing the menu, the word SERVICE is steady on, the Desmo Service symbol (A) flashes and the mile (or km) count-down to the next DESMO SERVICE is displayed.

By pressing button (1) or (2), the Oil Service symbol (B) starts flashing: the display shows the mile (or km) count-down to the next OIL SERVICE.

By pressing button (1) again or button (2) the display shows the symbol DATE (C) flashing: the ANNUAL SERVICE expiration date is displayed.

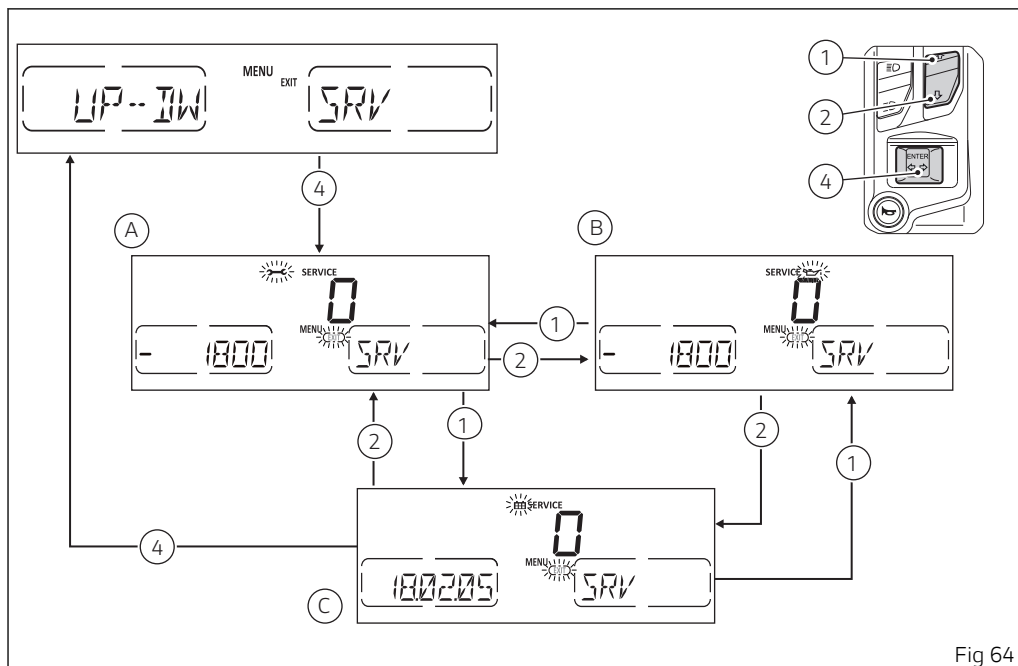


Fig 64

ABS enabling/disabling

This function allows enabling or disabling the ABS system. Enter the Setting Menu.

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

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

When entering the function in Menu 2, the currently set ABS status will be displayed:

ON = enabled, OFF = disabled.

Menu 1 indicates the available alternative option (RQ):

"RQ. OFF" when the status is ON, "RQ. ON" when the status is OFF.

When entering the function, being EXIT selected with flashing box, to quit without changing the set state press button (4).

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

Menu 1: "OFF" flashing if the ABS is ON; "ON" flashing if the ABS is OFF.

To have the word "EXIT" flashing again, press button (2).

Once the status has been selected, press button (4) for 2 seconds to confirm. WAIT is displayed in Menu 1 for approx. 5 seconds. New status will then become steady on and "EXIT" box will be flashing.

Press button (4) to quit the function.



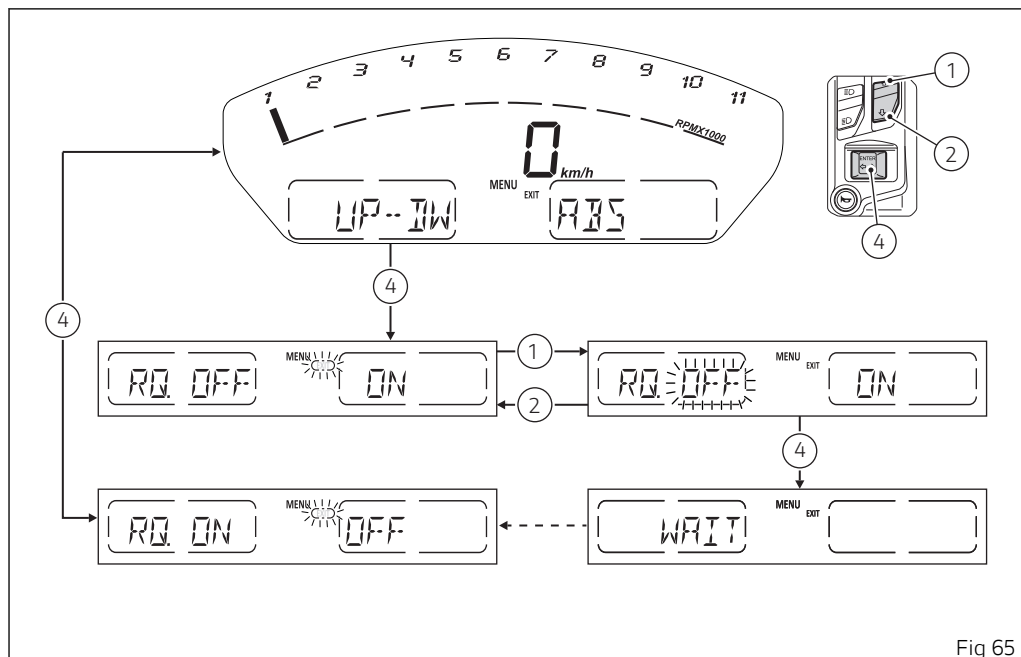
Note

By setting OFF, the ABS will be disabled and the relevant warning light will start flashing.

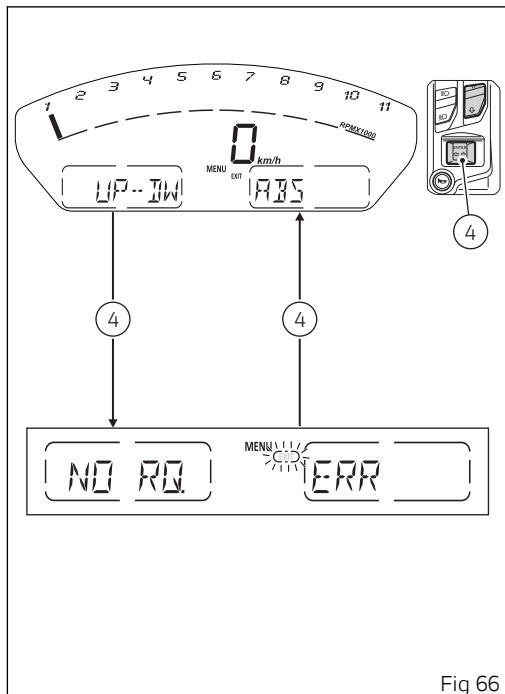


Important

When setting the ABS OFF, Ducati recommends you to pay particular attention to the way you ride and brake.



If the ABS is in fault, "ERR" is displayed in Menu 2 when entering the function and Menu 1 will indicate "NO RQ.", since no selection is actually possible. "EXIT" box is flashing. Press button (4) to quit the function.



Setting the unit 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 "UNT" option, by pressing button (1) or (2).

Once function is highlighted, press 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.);

Besides the settings that can be modified, it is possible to select the "DEFAULT" box to restore the default units of measurement.

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

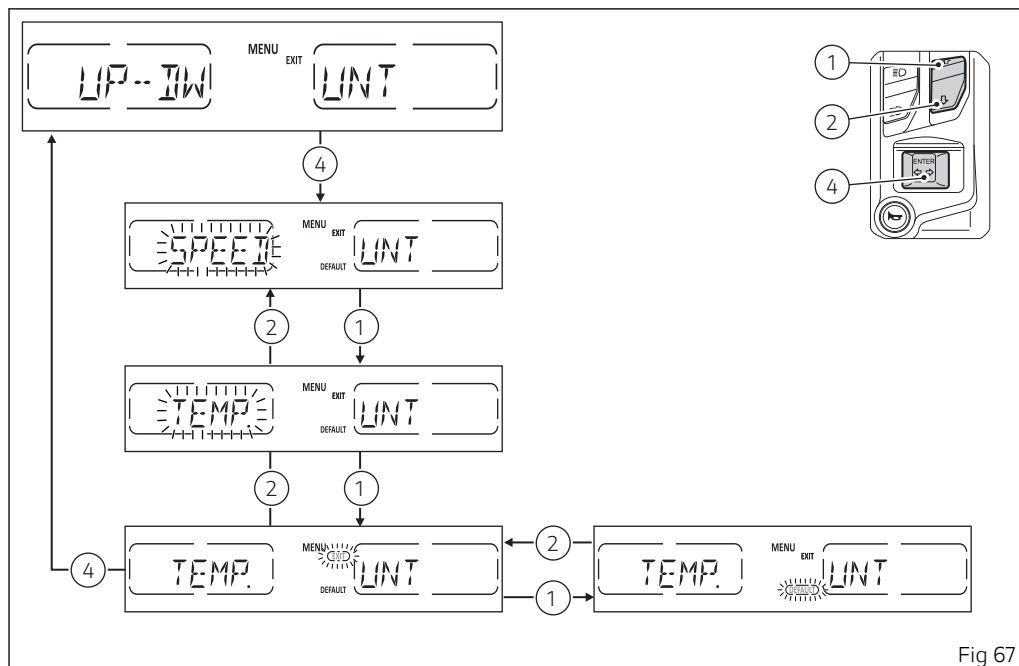


Fig 67

Setting the unit of measurement: Speed

This function allows you to change the speed measurement units (and therefore those of distance traveled).

You open the "UNT" menu, as described on the previous pages.

Select "SPEED" option, by pressing button (1) or (2). Once function is highlighted, press button (4). You open the "SPEED" menu.

When you enter the function, the current unit of measurement is displayed flashing, followed by the list of the possible units steady on: mph, km/h.

Press buttons (1) and (2) to highlight the units of measurement one by one: in particular, use button (2) to highlight the following item and button (1) to highlight the previous item. Select the required unit of measurement and then press 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 (1) to make the EXIT box flash; press button (4) to quit and go back to the previous window.

The selected unit of measurement will be used by the instrument panel for the following indications:

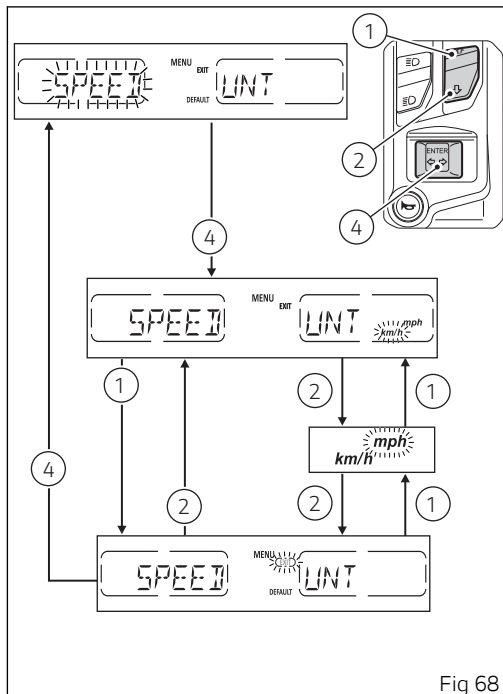


Fig 68

- Vehicle speed and Average speed (mph or km/h);
- Odometer, Trip1, Trip2 and Range (km or mi).

Setting the unit of measurement: Temperature

This function allows you to change the units of measurement of the temperature.

You open the "UNT" menu, as described on the previous pages.

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

Once function is highlighted, press button (4).

You open the "TEMP." menu. When you enter the function, the current unit of measurement is displayed flashing, followed by the list of the possible units steady ON: °C, °F.

Press buttons (1) and (2) to highlight the units of measurement one by one: in particular, use button (2) to highlight the following item and button (1) to highlight the previous item. Select the required unit of measurement and then press button (4) to confirm the selected unit; then the selected unit of measurement is saved in the instrument panel and the TEMPERATURE indication starts flashing again. Press button (1) to make the EXIT box flash; press button (4) to quit and go back to the previous window.

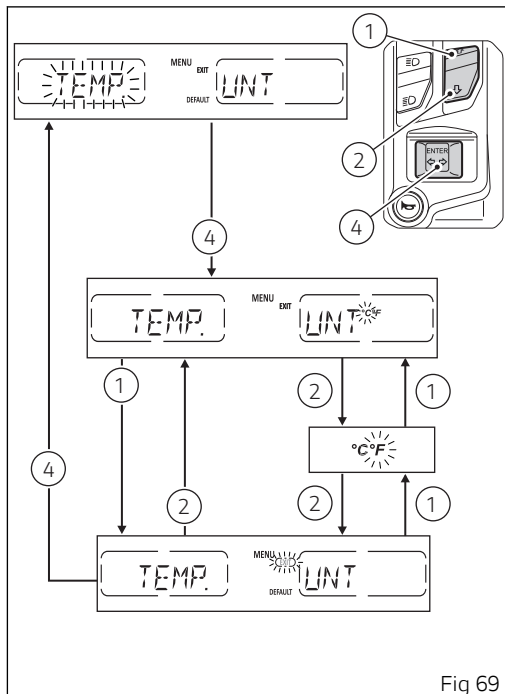


Fig 69

Setting the unit of measurement: Reset to automatic settings

This function allows you to restore the automatic settings for the units of measurement of all indications displayed on the instrument panel. You open the "UNT" menu, as described on the previous pages. Select "DEFAULT" option, by pressing button (1) or (2).

Once function is highlighted, press button (4) for 2 seconds. The display shows WAIT for two seconds; then the "DF-OK" message indicates that the units of measurement have been restored.

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

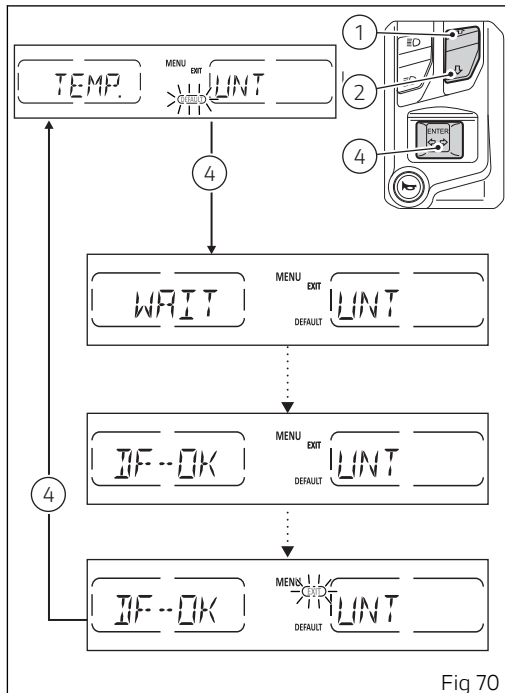


Fig 70

Battery voltage

This function allows you to check the vehicle battery voltage. Enter the Setting Menu. Select "BAT" option, by pressing button (1) or (2). Once function is highlighted, press CONFIRM MENU button (4).

The information will be displayed as follows:

- if battery voltage is below 11.0 V, a flashing "LOW" warning is displayed;
- if battery voltage is between 11.0 V and 11.7 V the reading will be displayed flashing;
- if battery voltage is between 11.8 V and 14.9 V the reading will be displayed steady;
- if battery voltage is between 15.0 V and 16.0 V the reading will be displayed flashing;
- if battery voltage is higher than 16.1 V, a flashing HIGH warning is displayed.

To exit the menu and go back to Setting MENU main page, select EXIT and press button (4).

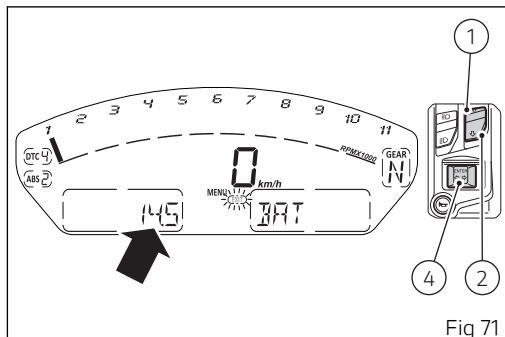


Fig 71

Engine rpm digital indication (RPM)

This function displays the number of RPM in digital format (recommended for improved accuracy when setting idle rpm).

Enter the Setting Menu.

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

You open the "RPM" menu. The display shows the numerical value of the RPM with a precision of 50 rpm.

If the instrument panel is not receiving RPM value, a string of five steady dashes "- - - - -" is displayed to indicate an undefined reading.

To exit the menu and go back to Setting Menu main page, select EXIT and press button (4).

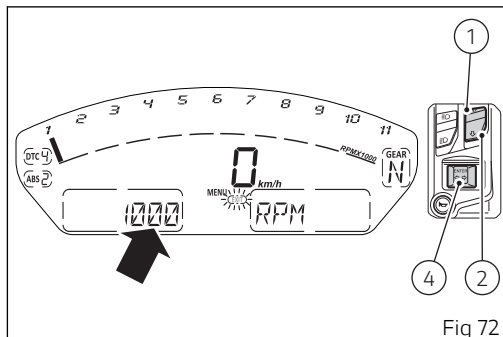


Fig 72

Bluetooth device setting

This function can be activated only if the Ducati Multimedia System (DMS) and the Bluetooth control unit are available: for this model the Bluetooth control unit can be purchased at a Ducati Dealer or Authorized Service Center.

This function allows pairing and/or deleting any paired Bluetooth devices.

To do this, you must enter the Setting Menu.

Select "B.T." option, by pressing button (1) or (2).

Once function is selected, press button (4).

You enter the "BLUETOOTH" menu, which is active only if the Bluetooth function is active.

The BLUETOOTH menu is not available if the player is active or when there is an incoming call, a call is in progress or during recall.

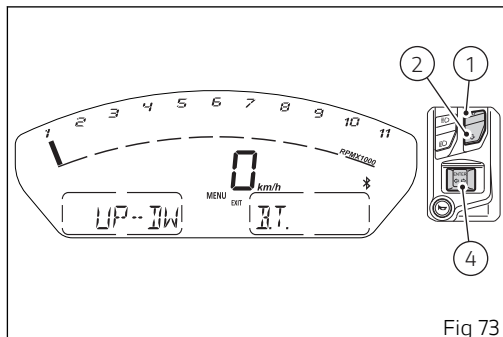


Fig 73

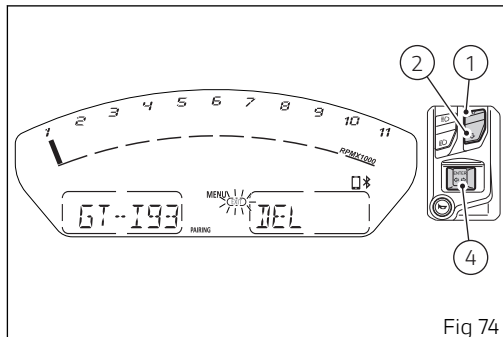
To carry out the pairing procedure, refer to "Pairing of a new device".

To delete any paired devices, refer to "Deleting a paired device".

Following is the information contained in the Bluetooth Setting Menu:

- number of paired devices (from 0 to 5);
- number of devices detected during the pairing phase (from 0 to 20);
- Label Pairing, Exit , Setting Menu;
- name of the first paired device, if available (in Menu 1);
- Icon of the type of paired device shown in that moment;
- "DEL" indication (delete) in Menu 2, used to delete the device.

To quit the Bluetooth Setting Menu, use buttons (1) and (2) to select EXIT and then press button (4).



Pairing of a new device

This function allows user to associate (pair) one or several Bluetooth devices by running the "PAIRING" control.

Set the Bluetooth device to ensure it can be detected by the control unit, so turn device on and make it visible to other devices.

A Bluetooth device in visible mode transmits a wireless signal allowing it to be detected by other devices. This function is called pairing mode.

The motorcycle is equipped with a Bluetooth control unit that works as a hub between the various supported electronic devices relying on a Bluetooth communication interface.

Attention

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



Attention

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

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



Attention

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



Note

The Ducati kit no. 981029498 can be purchased separately at a Ducati Dealer or Authorized Service Center.

When opening the BLUETOOTH menu for the first time, the first label highlighted by default will be "PAIRING".

The Pairing function is activated by pressing button (4): this runs a search for all Bluetooth devices present within a certain range. Therefore, the "WAIT.." indication is displayed in Menu 1. During the search, besides the "WAIT.." indication in Menu 1 also two flashing dashes are displayed.

The pairing ends automatically when devices are detected within the range.

During the pairing it is possible to use only the EXIT: to quit the pairing in progress, use buttons (1) and (2) to select EXIT and press button (4).

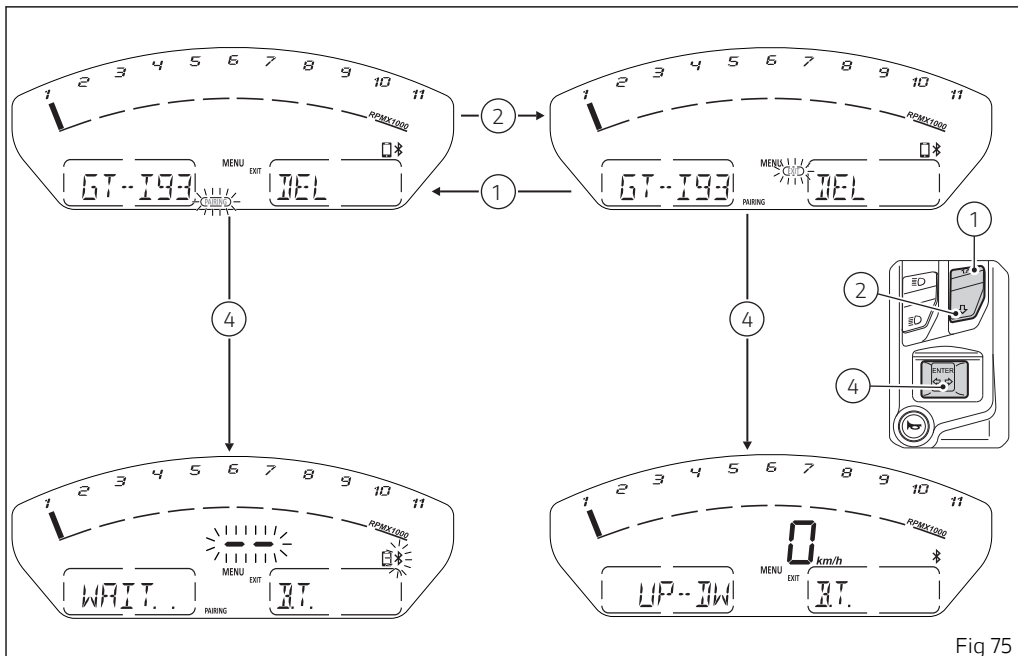


Fig 75

At the end of the pairing, the number of the detected devices is displayed.
If the Pairing fails (A), the "PAIR" indication is displayed in Menu 1 and "OFF" in Menu 2. Now you can only quit the BLUETOOTH Setting Menu, and then go back in to run a new Pairing procedure.
If Pairing is successful (B), as soon as Bluetooth devices are detected, their name is displayed in a list: up to 20 devices can be displayed.

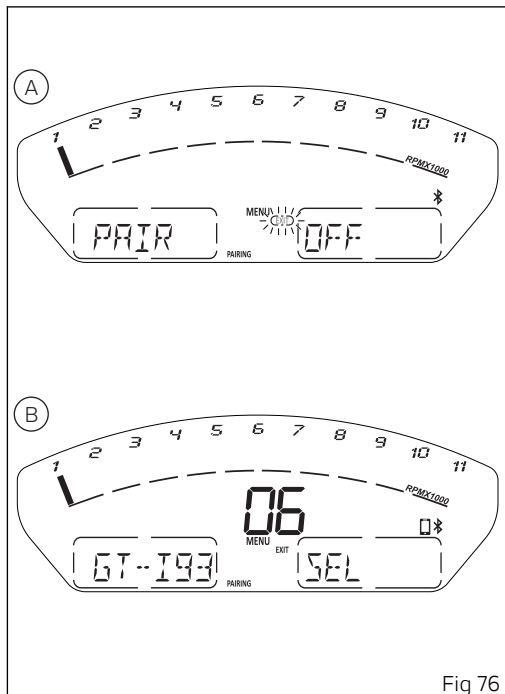


Fig 76

The list of devices found within the range during the Pairing stage does not include already paired devices, even if their Bluetooth connection is ON.

The name of the device is scrolled on the display.

To pass from one device to the other, press buttons (1) and (2).

Once the desired device is selected, press button (4) to confirm it: Menu 2 will show "SEL" flashing.

In this condition, it is possible to use buttons (1) and (2) to select the SEL or EXIT function:

- if you select SEL and press button (4), the indication will remain steady ON in Menu 2 whereas Menu 1 will show the first six characters of the selected device. Then, the selected device will be paired.
- If you select EXIT and press button (4), you quit the Pairing function and go back to the main setting menu.

If two or more Bluetooth devices have the same name, the list of devices detected will include two or more labels with the same name.

If one of the devices detected has no name, it is not included in the list of devices detected.

It is possible to pair up to:

- two Smartphones;
- one rider helmet;
- one passenger helmet;
- one navigator.

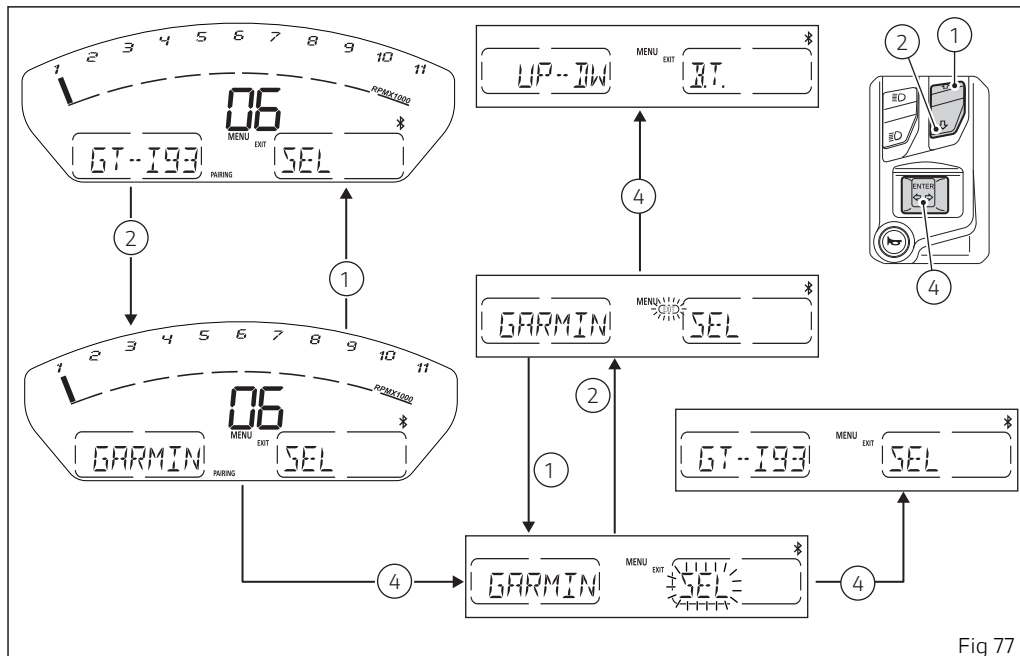
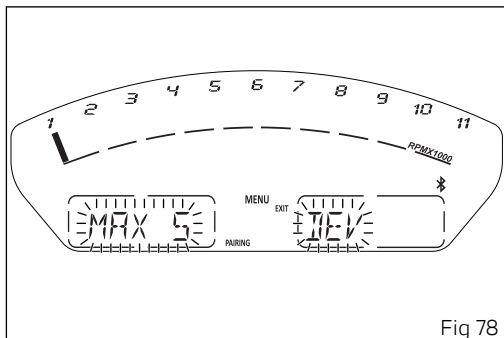


Fig 77

If at least 5 devices have already been paired and the user attempts to run the Pairing, the following message will be displayed: "MAX 5" in Menu 1 and "DEV" in Menu 2 for 3 seconds (flashing).

After 3 seconds, Menu 1 will show the name of the first paired device and Menu 2 will show DEL to allow deleting it: for the deletion procedure of one or more devices, refer to paragraph "Deleting associated devices".

To quit the Bluetooth Setting Menu select "EXIT" and press button (4).



When device is selected, the user must indicate the type of connected using buttons (1), (2) and then button (4) to confirm. Types of devices can be:

- Smartphone;
- Rider helmet;
- Passenger helmet;
- GPS navigation system.

If necessary, to interrupt the pairing select EXIT and press button (4). This allows quitting the pairing procedure and going back to the Bluetooth Setting Menu main page.

If, on the other hand, you confirm a device pairing, the number of paired devices will be updated (from 0 to 5).

Pairing deactivation takes place when quitting the Bluetooth Setting Menu or when no more Bluetooth devices are present.

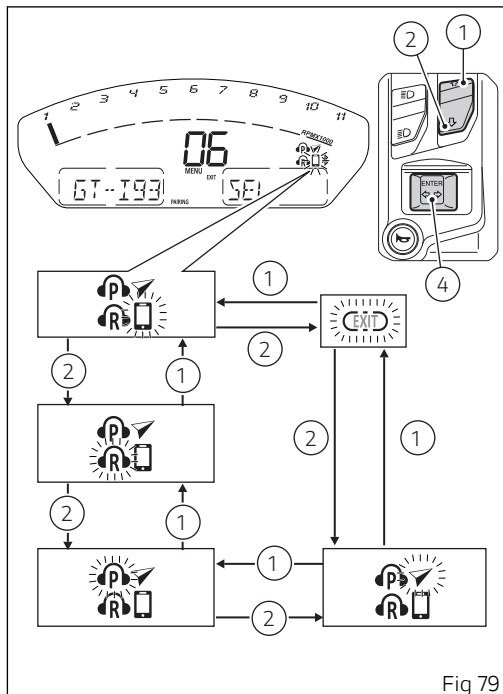


Fig 79

To pair a Smartphone, the pairing procedure with the Bluetooth control unit requires user to enter a code (0000), which is only necessary the first time the device is paired with the Bluetooth control unit.

In this case, the Instrument panel displays the PIN to be entered: "0000" in Menu 1, "PIN" in Menu 2 and the Smartphone icon flashing.

When the user enters the PIN code on the Smartphone, the display will automatically show the Bluetooth Setting Menu main page and the device will be paired.

If the user does not enter the PIN CODE on the Smartphone within 30 seconds, the instrument panel will automatically show the Bluetooth Setting Menu main page.

As soon as the pairing is finished, the indication WAIT is replaced by the name of the connected device: the complete name will be scrolled and then only the first characters will be displayed. Once the device is paired, the display will automatically show the Bluetooth Setting Menu main page.

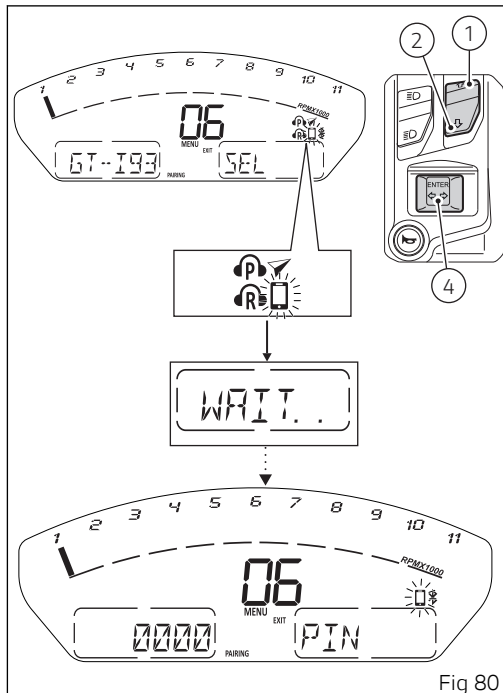


Fig 80

If you wish to connect a Bluetooth Navigator, the connection procedure shall be completed on the navigator, by selecting the connection with the motorcycle Bluetooth control unit. In this case, during the pairing procedure, the Navigator icon will flash in the Bluetooth Setting Menu. When the Bluetooth control unit is connected to the device, the icon stops flashing and becomes steady ON. If user does not complete the pairing procedure on the Navigator within 90 seconds, pairing screen on instrument panel will go out, and display will go back to Bluetooth Setting Menu main screen. As soon as the pairing is finished, the indication WAIT is replaced by the name of the connected device: the complete name will be scrolled and then only the first characters will be displayed. Once the device is paired, the display will automatically show the Bluetooth Setting Menu main page.

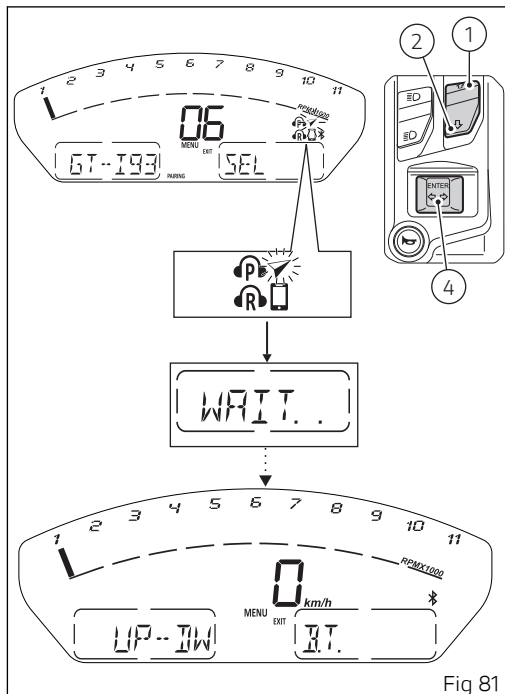


Fig 81



Attention

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

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



Note

The Ducati kits mentioned above can be purchased separately at a Ducati Dealer or Authorized Service Center.

If no device is selected during the pairing phase, Menu 1 will show "NO DEV" and the displayed number will be ZERO. If no device is connected, no icon of the device type will be displayed.

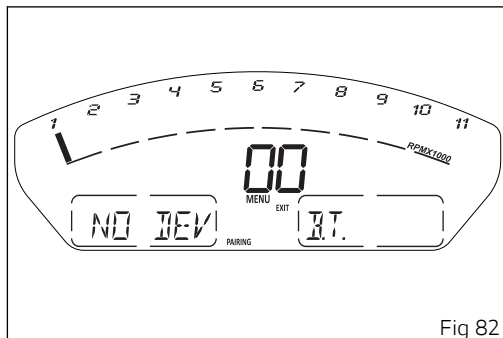


Fig 82

Deleting associated devices

From the Bluetooth Menu it will be possible to access the list of paired devices in Menu 1. Use buttons (1) and (2) to select the desired device and confirm by pressing button (4): the DEL indication will start flashing in Menu 2.

Then, by pressing button (4) for at least two seconds, the WAIT indication will be displayed in Menu 1. As soon as the deletion procedure is completed, the number of paired devices will be automatically updated.

Now, Menu 1 will show the name of the device that followed the deleted one and the EXIT function will start flashing. Select the flashing box of the EXIT option, and press button (4) to quit the list of associated devices and go back to Setting Menu main screen.

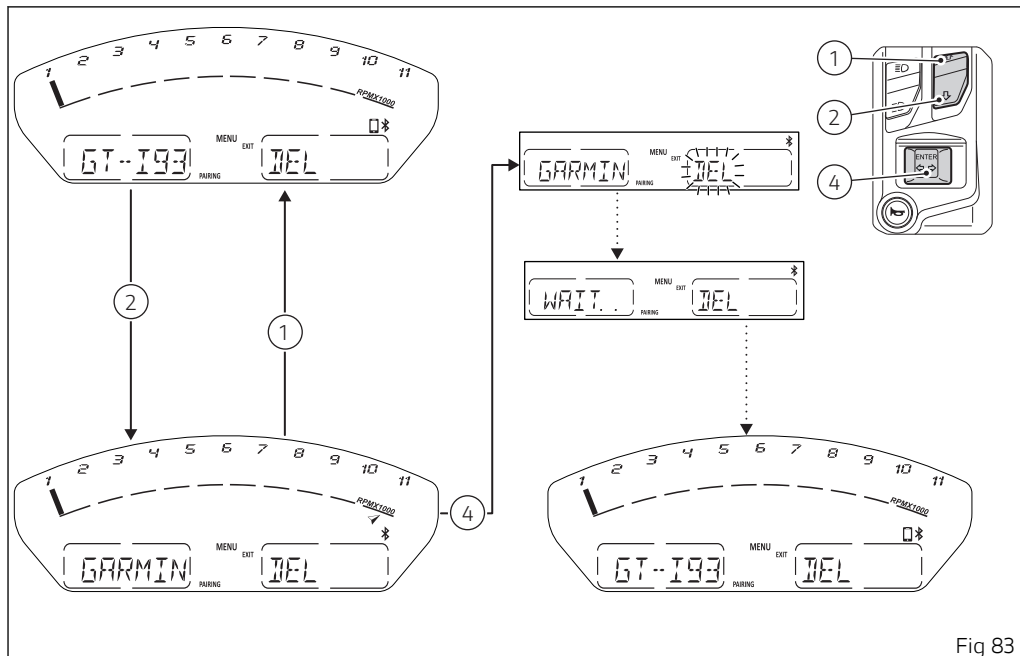


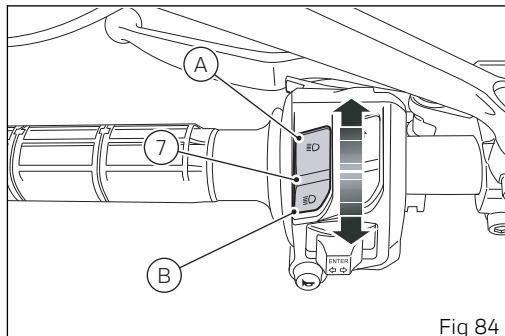
Fig 83

Light control

Low / High beam

At Key-On, the high beam and low beam lights are OFF: only the parking lights are turned on. Once the engine is started, the low beam is automatically turned on; it is possible to switch from low beam to high beam and vice-versa by pressing button (7) in positions (B) and (A). If engine is not started upon key-on, it is anyway possible to switch high/low beams on by pushing button (7) positions (B) and (A) on LH switch.

If within 60 seconds from the "manual" switching on of the low / high beam the engine is not started, the lights are disabled again (off).



Turn indicators

Turn indicators are automatically reset by the instrument panel.

After activating one of the two turn indicators, user can reset it using the button (4) on the left switch. If the turn indicator is not reset manually, the instrument panel will automatically switch it off after the motorcycle has traveled 0.3 miles (500 m) from when the turn indicator was activated. The counter for the distance traveled for automatic deactivation is only activated at speeds below 50 mph (80 km/h). If the calculation of the distance for automatic deactivation is activated and then the motorcycle exceeds a speed of 50 mph (80 km/h), the calculation is interrupted and will restart when the speed returns below the indicated threshold.

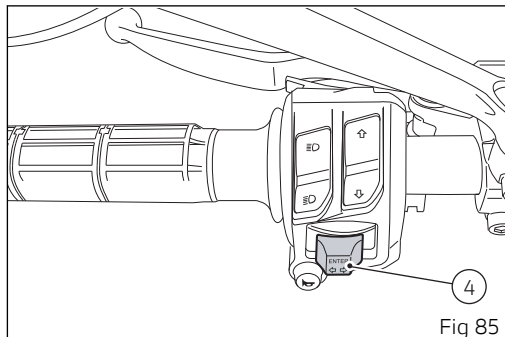


Fig 85

Hazard function

The "Hazard" function activates all four turn indicators at the same time to warn about an emergency situation. Push button (6) to activate the "Hazard" function. It can only be activated when vehicle is on (i.e. when key is turned to "ON", engine condition is irrelevant). When the "Hazard" function is active, all four turn indicators and the warning lights (7) on the instrument panel will flash at the same time. The "Hazard" function can be disabled both with vehicle on (key turned to "ON") and vehicle off (key turned to "OFF") by pressing button (6).

Once the "Hazard" function is activated, if vehicle is turned off (key turned to "OFF"), the function stays active until manually disabled by the user or for 2 hours. After 2 hours, the turn indicators switch OFF automatically in order to save battery charge.

Note

In case of key-on with "Hazard" function still active, the latter remains active (a temporary inhibition of turn indicator control is allowed during instrument panel initial check routine).

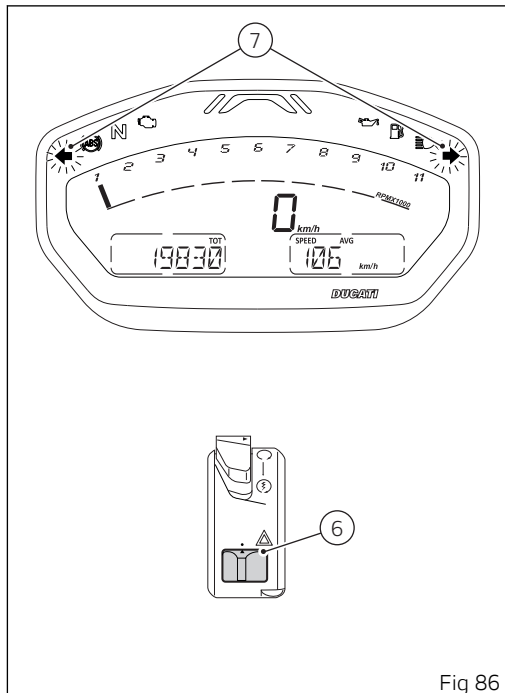


Fig 86

**Note**

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

**Note**

The "Hazard" function has a higher priority on the operation of the single turn indicators, so as long as it is active it will not be possible to separately turn on the right or left turn indicators.

Immobilizer system

For improved anti-theft protection, the motorcycle is equipped with an IMMOBILIZER, an electronic system that inhibits engine operation whenever the ignition switch is turned off.

Housed in the handgrip of each ignition key is an electronic device that modulates an output signal. When the ignition is turned on this signal is generated by a special antenna incorporated in the switch and changes every time.

The modulated signal represents the "password" (which is changed at each start-up) by which the ECU recognizes the ignition key. The ECU will only allow the engine to start if it recognizes this password.

Keys

The owner receives 2 keys with the vehicle.

These keys contain the "immobilizer system code".

The keys (B) are regular ignition keys and are used to:

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



Attention

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

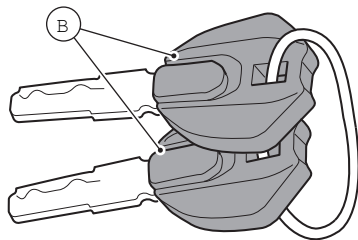


Fig 87

Operation

When the ignition key is turned to OFF, the immobilizer inhibits engine operation. If the other key does not work out either, contact the Ducati Service network.



Attention

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

If you need any duplicate keys, contact the Ducati Service network with all the keys you have left. The Ducati Service Center will program all the new keys as well as any keys you already have. You may be asked to provide proof that you are the legitimate owner of the motorcycle. The codes of any keys not submitted will be wiped off from the memory to make those keys unserviceable in case they have been lost.



Note

If you sell your motorcycle, do not forget to give all keys to the new owner.

Restoring motorcycle operation via the PIN CODE

In case of key acknowledgment system or key malfunction, the instrument panel allows the user to enter his/her own PIN code to temporarily restore vehicle operation.

If the PIN CODE function is active, the instrument panel enables in "Menu 1" the possibility to enter the PIN CODE.

Entering the code:

- 1) Press button (2) or (1), one digit starts flashing indicating "0";
- 2) Each time you press the 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 four digits of the PIN CODE.

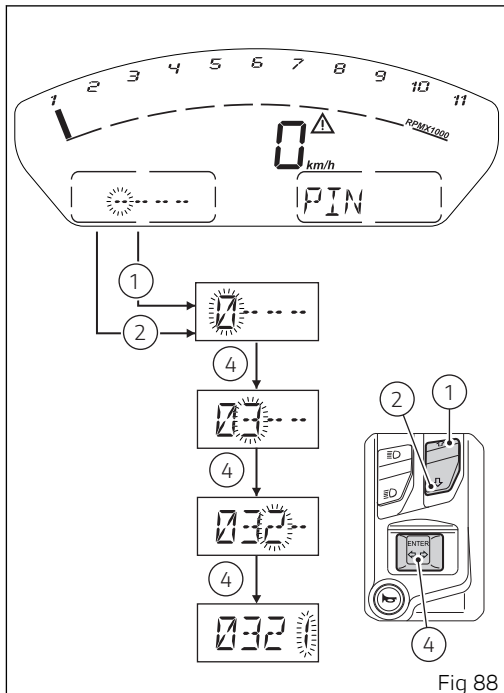


Fig 88

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

- if the PIN code is correct (A), the instrument panel shows the message OK for 3 seconds followed by the "Standard screen" and enables vehicle starting (C);
- if the PIN is not correct (B), the instrument panel displays the message WRONG for 3 seconds and then highlights the string of four dashes "----" to allow you to try again. The number of possible attempts is unlimited and features a preset time-out of 2 minutes. After this time, the instrument panel will show "TIME OUT" and after 3 other seconds it will toggle to the standard screen and will not allow (D) the vehicle start.



Important

If this procedure is necessary in order to start the vehicle, contact an Authorized Ducati Service Center as soon as possible to fix the problem.

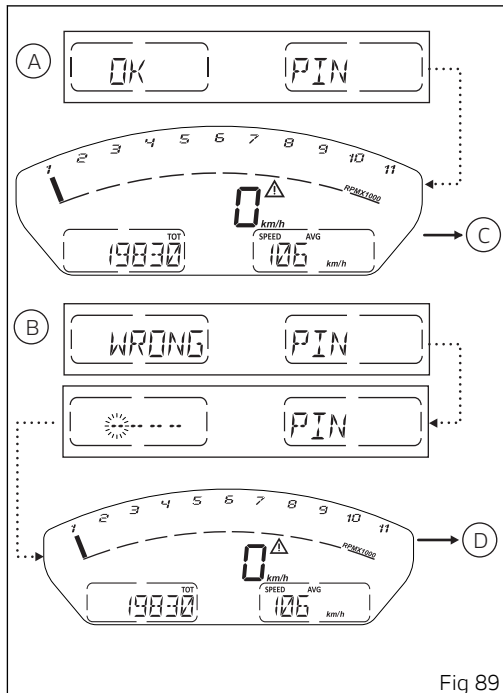


Fig 89

Controls

Position of motorcycle controls



Attention

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

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

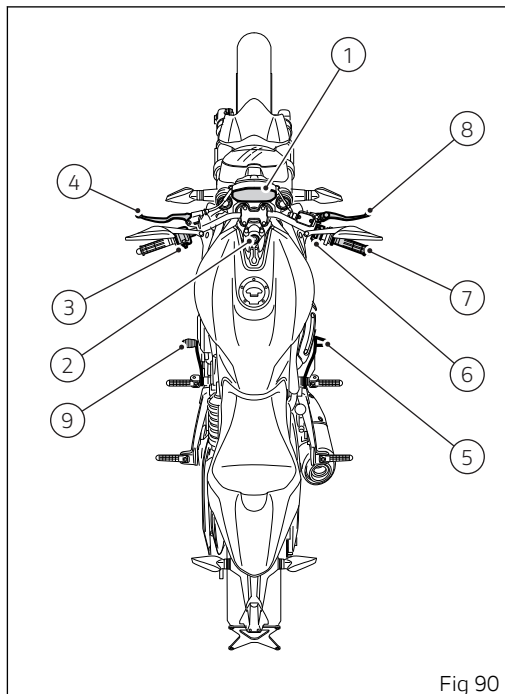


Fig 90

Ignition switch and steering lock

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

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

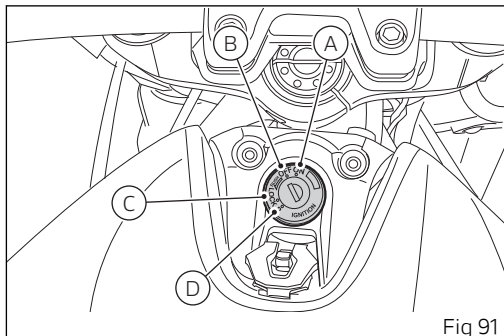
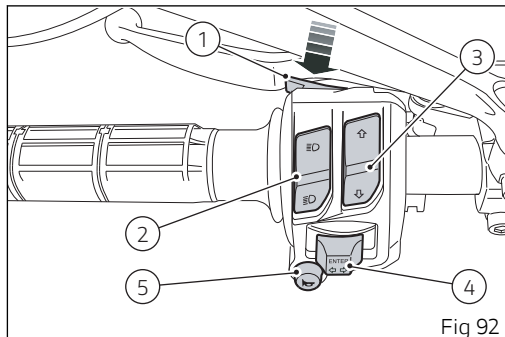


Fig 91

Left-hand switch

- 1) Button (FLASH).
- 2) 2-position light switch:
 - high beam ()
 - low beam ();
- 3) Menu navigation buttons:
 - menu  (UP)
 - menu  (DOWN);
- 4) Menu button (ENTER) / 3-position turn indicator switch ():
 - center position = OFF
 - position  = left turn
 - position  = right turn
 - pressed = menu confirmation (ENTER);
- 5) Horn button ().



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).

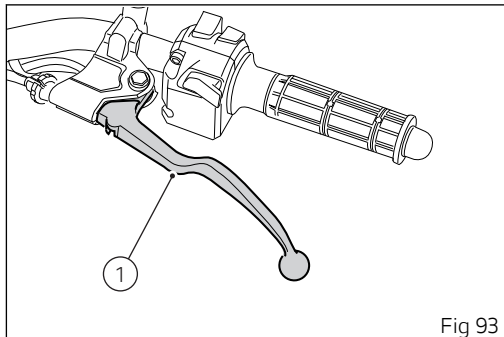


Fig 93

Clutch control free play adjustment



Attention

A wrong adjustment can seriously affect the clutch operation and duration.

A worn clutch makes the clutch cable tension increase.

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 clutch lever travel where resistance is very low.

To check the free play operate the lever for its free play and check that distance "A" is between 0.12 - 0.16 in (3 - 4 mm).

To adjust the free play to the recommended value work on the primary adjuster (2) close to the clutch control.

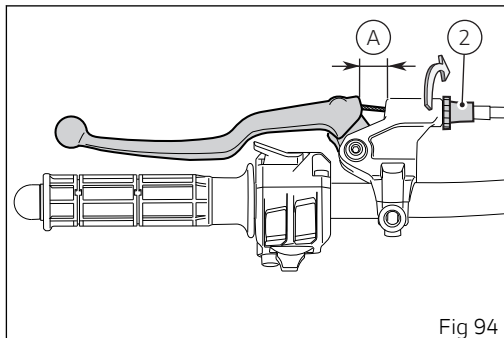


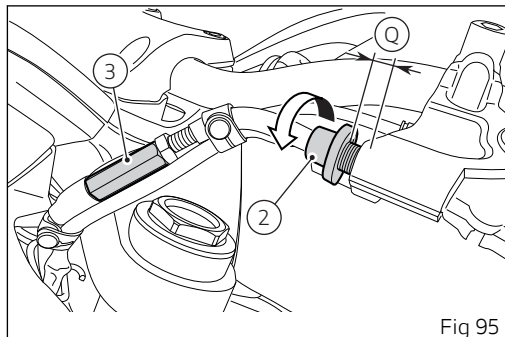
Fig 94

Adjuster (2), located on the lever, allows a maximum adjustment (Q) of 0.4 in (11 mm), whereas the standard adjustment (starting one) is of 0.2 in (5 mm). If working on such adjuster proves insufficient, work on the secondary adjuster (3).



Attention

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 Authorized Service Center.



Right-hand switch

1) Red ON/OFF switch.

2) Hazard button.

The switch (1) has three positions:

position up: KILL ENGINE;

central position: ENGINE ENABLING;

pushed down: ENGINE START.

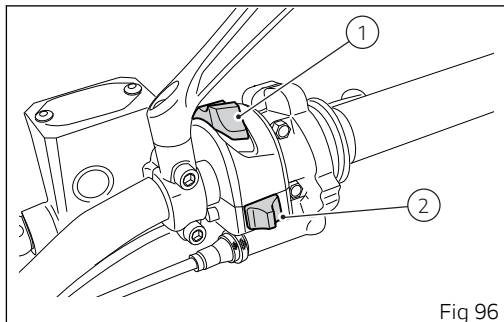


Fig 96

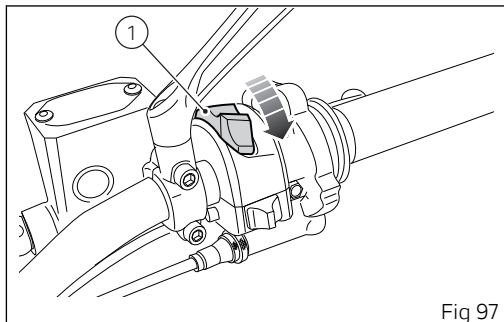


Fig 97

Throttle twistgrip

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

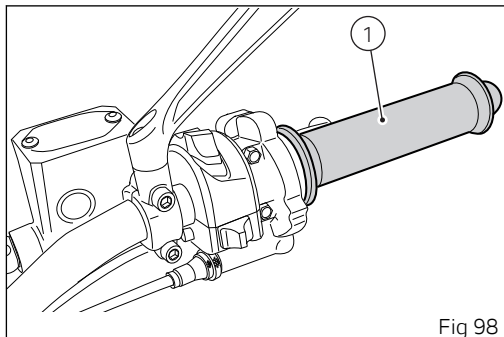


Fig 98

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 control lever features a dial adjuster (2) for lever distance from the twistgrip on handlebar adjustment. To adjust it, keep lever (1) fully extended, and turn dial adjuster (2) to set it to one of the four available 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.

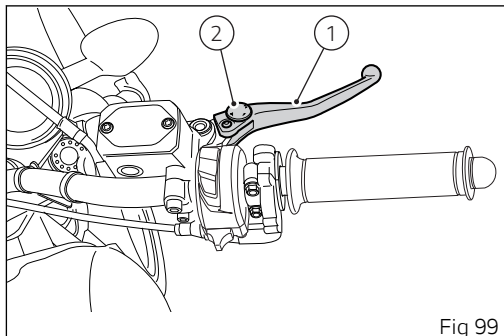


Fig 99



Attention

Before using these controls, thoroughly read instructions under "Moving off".



Attention

Set front brake lever when motorcycle is stopped.

Rear brake pedal

Push down the pedal (1) to operate the rear brake.
The system is hydraulically operated.

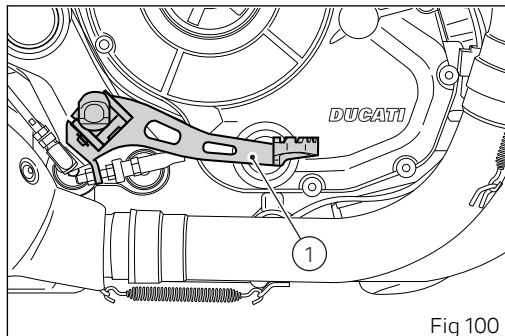


Fig 100

Gear change pedal

When released, the gear change pedal automatically returns to rest position N in the center. This is indicated by the instrument panel N light (2, Fig 11) coming on.

The pedal can be moved:

- down = press down the pedal to engage the 1st gear and to shift down. The N light will go out;
- up = 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.

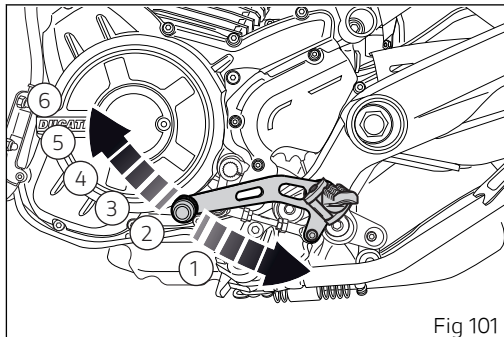


Fig 101

Adjusting the gear change pedal and the rear brake

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

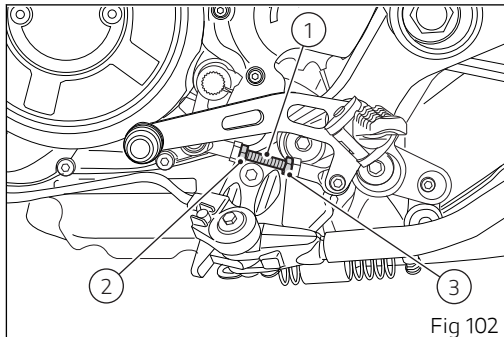
hold the linkage (1) and slacken the lock nuts (2) and (3).



Note

Nut (2) features a left-hand threading.

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



Rear brake pedal

Loosen counter nut (4).

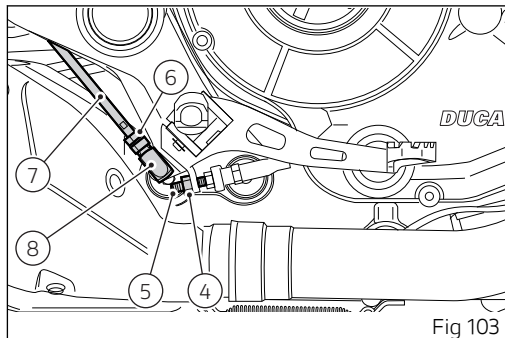
Turn pedal stroke adjusting screw (5) until pedal is in the desired position. Tighten the counter nut (4).

Operate the pedal by hand to check that there is about 0.06-0.08 in (1.5-2 mm) of free play before the brake bites. If not, adjust the length of the master cylinder pushrod as follows.

Loosen lock nut (6) on master cylinder rod.

Tighten rod (7) on fork (8) to increase clearance or loosen it to decrease it.

Tighten lock nut (6) and check again clearance.



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.

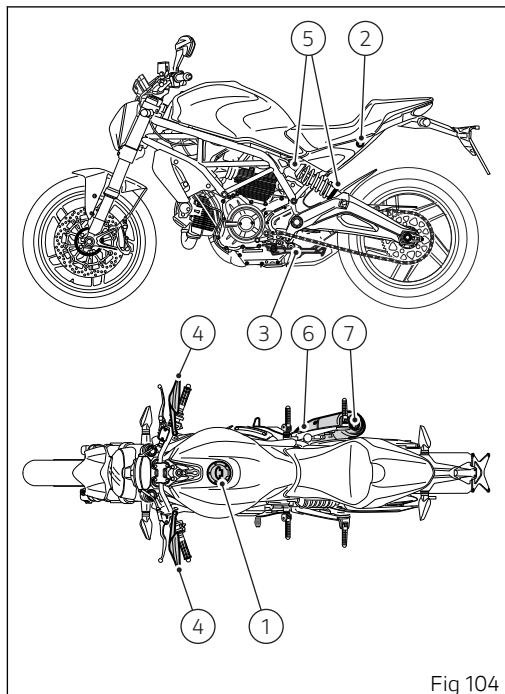


Fig 104

Fuel tank plug

OPENING

Lift flap (1) and insert the key in the lock. Turn the key clockwise 1/4 turn to unlock.

CLOSING

Close the plug with key inserted and press to fit in place. Turn the key counter clockwise to the original position and remove it. Close flap (1).



Note

The plug can only be closed with the key in.



Attention

Always make sure you have properly refitted and closed the plug after refueling.

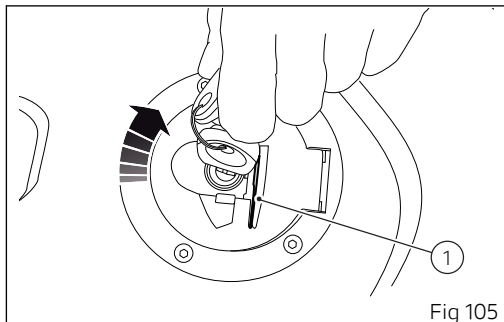


Fig 105

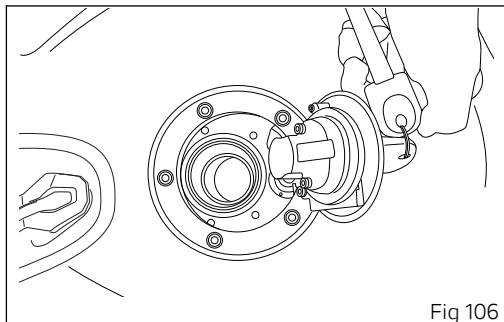


Fig 106

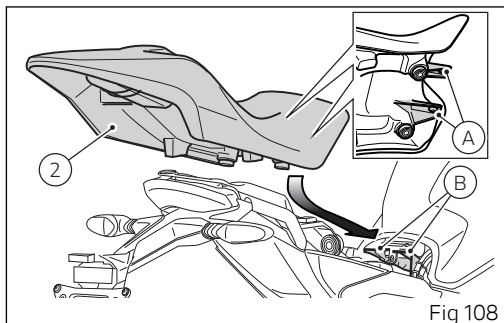
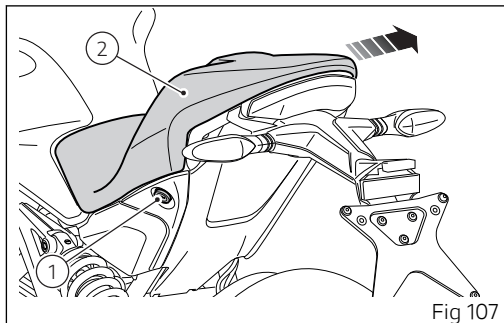
Seat lock

OPENING

Insert the key in lock (1), 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 that all elements are correctly positioned and fastened to the compartment under the seat (2). Engage seat bottom front tabs (A) on tank bracket (B) fastened to rear subframe. Hold seat rear end lifted, push on the central fastener to engage it: push on seat rear end until latch clicks in place. Make sure the seat is safely secured to the frame and remove the key from the lock.



Side stand



Important

Use the side stand to support the motorcycle only during short stops. Before lowering the side stand, make sure that the supporting surface is hard and flat.

Do not park on soft or pebbled ground or on asphalt melted by the sun, etc. or else the motorcycle may fall over. When parking downhill, always position the motorcycle with the rear wheel facing downhill.

To pull down the side stand, hold the motorcycle handlebars with both hands and push down on the side stand (1) with your foot until it is fully extended. Tilt the motorcycle until the side stand is resting on the ground.

To move the side stand to its "resting" position (horizontal position), lean the motorcycle to the right while lifting the thrust arm (1) with your foot.

To ensure trouble-free operation of the side stand joint, thoroughly clean it and then use SHELL Alvania R3 grease to lubricate all friction points.

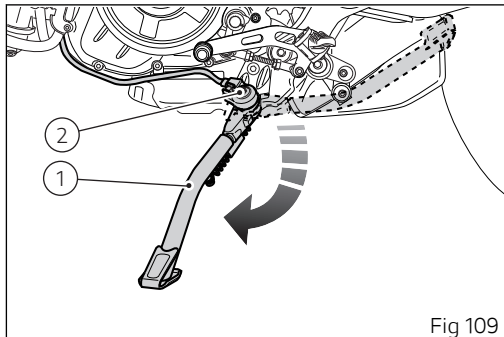


Fig 109



Attention

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.

Bluetooth control unit

The motorcycle can be equipped with a Bluetooth control unit that works as a hub between the various supported electronic devices relying on a Bluetooth communication interface.

The Bluetooth control unit can be purchased by a Ducati Dealer or Authorized Service Center.



Attention

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



Attention

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

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



Attention

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



Note

The Ducati kit no. 981029498 can be purchased separately at a Ducati Dealer or Authorized Service Center.



Attention

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

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



Note

The Ducati kits mentioned above can be purchased separately at a Ducati Dealer or Authorized Service Center.

Check that your Smartphone supports the following profiles:

- MAP profile: for a correct display of SMS and MMS notifications;
- PBAP profile: for a correct display of the Smartphone contact list.

USB connection

The motorcycle is provided with a 5 V USB connection. It is possible to connect electric loads up to 1 A to the USB connection.

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

Important

With engine off and Key turned to ON, do not leave accessories connected to the USB connection for a long time as this may discharge the motorcycle battery.

Attention

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

Attention

NEVER use the USB socket if it is raining.

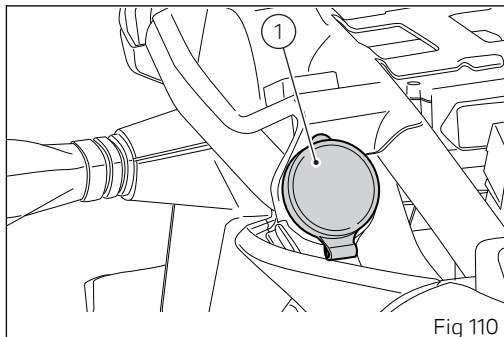


Fig 110

Rear shock absorber adjusters

The rear shock absorber has commands that enable you to adjust the setting to suit the load on the motorcycle.

Adjuster (1) adjusts the damping during the rebound phase (return).

Turn adjuster (1) clockwise to stiffen the damping, or counter clockwise to soften it.

Ring nuts (2) and (3), located in the shock absorber lower side, adjust the external spring preload.

To adjust the spring preload, loosen the top ring nut. SCREWING or UNSCREWING the bottom ring nut will INCREASE or DECREASE the preload.

STANDARD calibration, from the fully closed position (clockwise):

- rebound: loosen adjuster (1) by 3 turns from fully closed position;
- spring preload: 0.6 in (15 mm) from fully uncompressed.

Adjustment range

- rebound: ± 3 turns with respect to the nominal position, from 0 $\div$ 6 turns from fully closed;

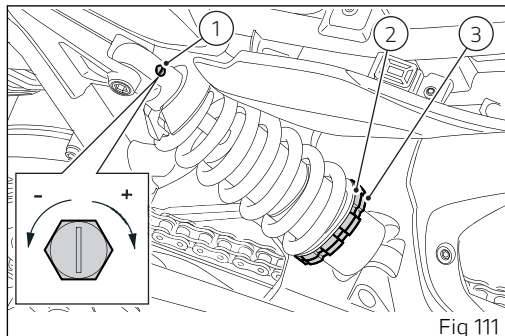


Fig 111

- spring preload: 0.2 in (± 5 mm) with respect to the nominal position, from 0.4 $\div$ 0.8 in (10 $\div$ 20 mm) from fully closed.



Attention

To turn the preload adjuster ring nut use a pin wrench. 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.



Attention

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

If you intend to transport a passenger and baggage, preload the shock absorber spring to the maximum to improve the dynamic performance of the motorcycle and to avoid possible interference with ground. You may find that rebound damping needs adjusting as well.

Riding the motorcycle

Running-in recommendations



Important

Before using the motorcycle, make sure that there are no labels on the rear-view mirrors; remove, if any.

Maximum rpm

Rotation speed for Break-in period and during standard use (rpm):

- 1) Up to 600 mi (1000 km);
- 2) 600 mi (1000 km) to 1553 mi (2500 km).

Up to 600 mi (1000 km)

During the first 600 mi (1000 km) keep an eye on the rev counter, it should never exceed: 5,500÷6,000 rpm.

During the first few hours of riding, it is advisable to run the engine at varying load and rpm, though still within recommended limit.

To achieve this, roads with plenty of bends and even slightly hilly areas are ideal for the most efficient break-in of the engine, brakes and suspensions.

For the first 60 mi (100 km), use the brakes gently. Avoid sudden or prolonged braking. This will allow the friction material on the brake pads to bed in against the brake disks.

So that the mechanical parts of the motorcycle can adapt to each another, and especially so the life of the basic engine parts is not affected, avoid harsh accelerations and do not run the engine at a high rpm for an extended time, especially uphill.

It is also advisable to inspect the drive chain frequently and lubricate as required.

600 mi (1000 km) to 1553 mi (2500 km)

At this point, you can squeeze some more power out of your engine. However never exceed 7,000 rpm.



Important

During the entire Break-in period, carefully observe the indications on the scheduled maintenance chart and servicing recommendations in the Warranty Booklet. 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 Break-in recommendations will ensure longer engine life and reduce the likelihood of overhauls and tune-ups.

Pre-ride checks



Attention

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

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

- **FUEL LEVEL IN THE TANK**
Check the fuel level in the tank. Fill tank if needed (page 176).
- **ENGINE OIL LEVEL**
Check oil level in the sump through the sight glass. Top up if needed (page 200).
- **BRAKE FLUID**
Check fluid level in the relevant reservoirs (page 180).
- **TIRE CONDITION**
Check tire pressure and condition (page 197).
- **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 192).
- **KEY LOCKS**
Ensure that tank filler plug (page 157) and seat (page 158).
- **STAND**
Make sure side stand operates smoothly and is in the correct position (page 159).

ABS light

After Key-ON, the ABS light (9, Fig 11) stays ON. When the vehicle speed exceeds 3 mph (5 km/h), the warning light switches off to indicate the correct operation of the ABS.



Attention

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

ABS

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



Attention

Clogged reading slots would compromise system proper operation. It is advisable to disable ABS in case of very muddy road surfaces, as in these conditions the system might be subject to sudden failure.



Attention

Prolonged wheelies could deactivate the ABS system.

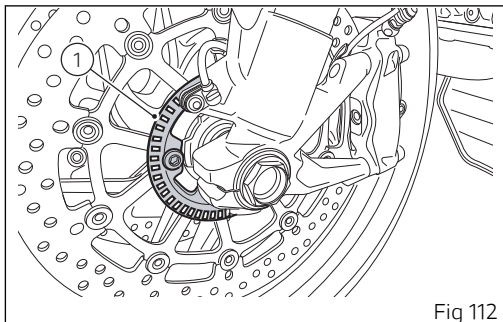


Fig 112

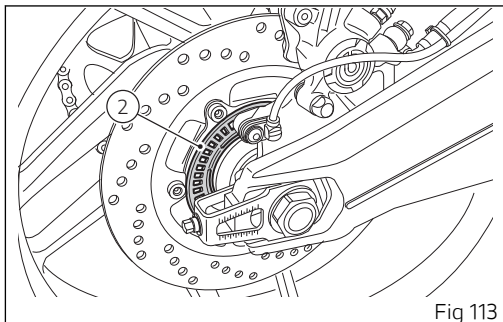


Fig 113

Engine start



Attention

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



Attention

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

Move the ignition key to position (1, Fig 114). Make sure both the green light N and the red light  on the instrument panel come on.



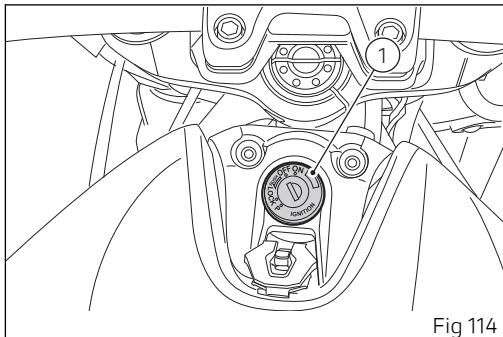
Important

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



Attention

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



Note

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

Turn switch (2, Fig 115) to the  (RUN) position. Let the motorcycle start without operating the throttle control.



Note

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



Important

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

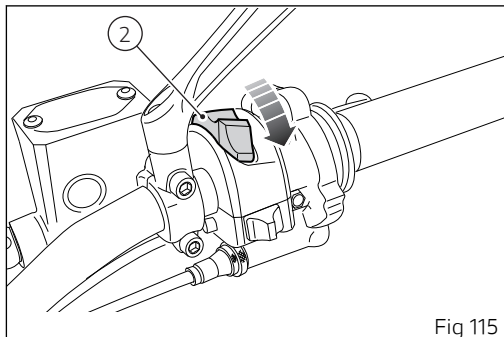


Fig 115

Moving off

- 1) Disengage the clutch by squeezing the clutch lever.
- 2) Push down the gear change lever firmly with the tip of your foot to engage first gear.
- 3) Raise the engine revs, turn the throttle twistgrip while gradually releasing the clutch lever. The motorcycle will start moving off.
- 4) Release the clutch lever completely and accelerate.
- 5) To shift up, close the throttle to slow down the engine, disengage the clutch, lift the gear change lever and let go of the clutch lever.

To shift down, proceed as follows: release the twistgrip, pull the clutch lever, shortly speed up to help gears synchronize, shift down (engage next lower gear) and release the clutch.

The controls should be used correctly and with promptness. When riding uphill do not hesitate to shift down as soon as the motorcycle tends to slow down. This will avoid undue stress on the engine and motorcycle.



Attention

Avoid harsh accelerations, as this may lead to misfiring and transmission snatching. The clutch lever should not be pulled longer than necessary after gear is engaged or else friction parts may overheat and wear out.



Attention

Prolonged wheelies could deactivate the ABS system.

Braking

Slow down in time, shift down to engine-brake first and then brake applying both brakes. Pull the clutch lever before stopping the motorcycle, to avoid sudden engine stop.

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 vehicle: the possibility of falling or having an accident during braking is statistically higher than at any other moment. A locked front wheel leads to loss of traction and stability, resulting in loss of control. The Anti-lock Brake System (ABS) has been developed to enable riders to use the vehicle's braking force to the fullest during emergency braking, adverse weather conditions or when pavement is compromised.

ABS uses hydraulics and electronics to limit pressure in the brake circuit when a special sensor mounted to the wheel signals 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 106).



Attention

When ABS is disabled, the vehicle 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 maneuvers 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 tires 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.

Stop the engine by pushing the switch (3) up.

Turn the vehicle key off by moving the key in position (2).



Important

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

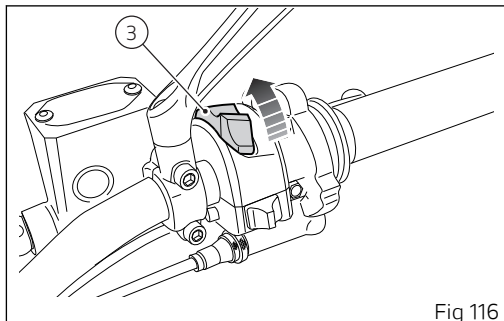


Fig 116

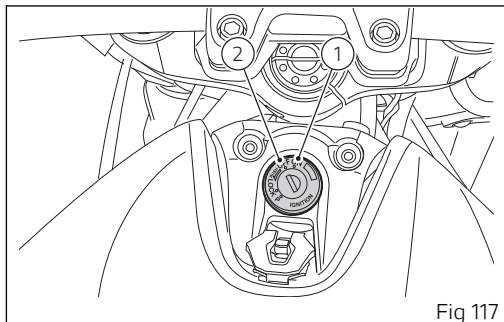


Fig 117

Refueling

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



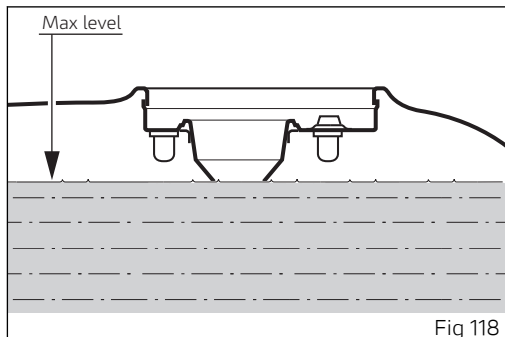
Attention

Use fuel with the lowest octane rating 90 (RON +MON)/2



Attention

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



Parking

Park the stopped motorcycle on the side stand (page 159).

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.

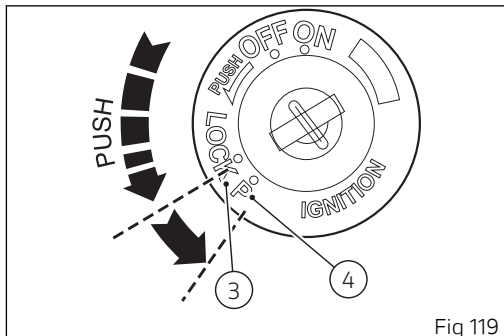
You may leave the parking lights on by turning the key to position (4).

Important

Do not leave the key turned to position (4) for long periods or the battery will run down. Never leave the ignition key in the switch when you are leaving your bike unattended.

Attention

The exhaust system might be hot, even after engine is switched off; take special care not to touch the exhaust system with any body part and do not park the vehicle next to flammable material (wood, leaves etc.).



Attention

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

Tool kit and accessories

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

Tool kit includes:

- screwdriver;
- screwdriver handgrip;
- Allen wrench, 0.12 in (3 mm);
- Allen wrench, 0.16 in (4 mm);
- Allen wrench, 0.2 in (5 mm);
- Allen wrench, 0.24 in (6 mm);
- box wrench;
- fuse pliers;
- rod D.8x120.

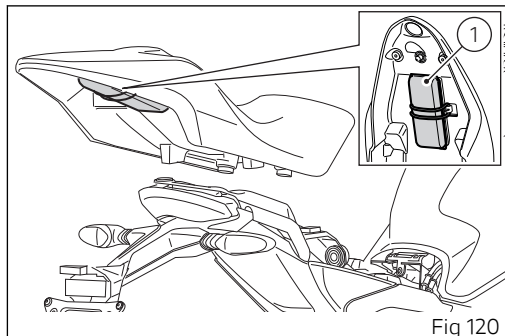


Fig 120

To access the compartment, remove the seat page 158.

Main use and maintenance operations

Changing the air filter



Important

Have the air filter maintenance performed at a Ducati Dealer or Authorized Service Center.

Check brake fluid level

The level must not go below the MIN mark shown on the respective reservoirs ((Fig 121) shows the front brake fluid reservoir, while (Fig 122) 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.

Brake and clutch fluid must be topped up and changed at the intervals specified in the scheduled maintenance table contained in the Warranty Booklet; please contact a Ducati Dealer or Authorized Service Center.

Brake system

If you note too much play on brake lever or pedal and brake pads are still in good condition, contact your Ducati Dealer or Authorized Service Center to have the system inspected and any air drained out of the circuit.

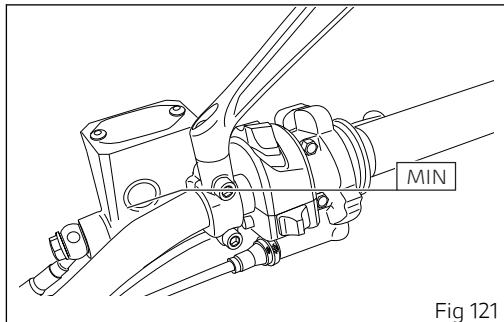


Fig 121

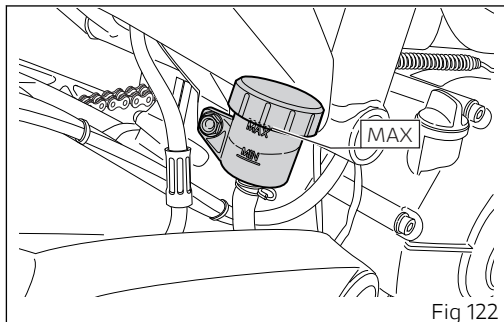


Fig 122



Attention

Brake fluid can damage paintwork and plastic parts, so avoid contact.

Hydraulic oil is corrosive; it may cause damage and lead to severe injuries. Never mix fluids of different qualities. Check seals for proper sealing.

Checking brake pads for wear

Check brake pads wear through the inspection hole in the calipers.

If the thickness of the friction material, even in just one pad, is about 0.04 in (1 mm) replace both pads.



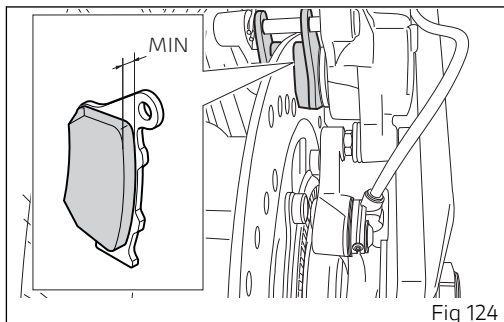
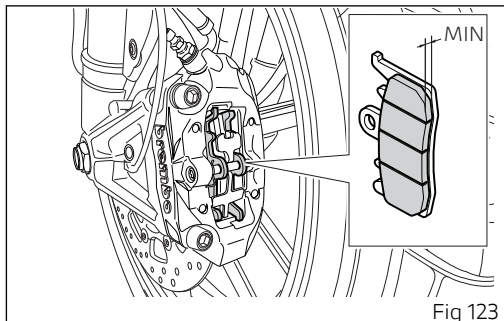
Attention

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



Important

Have the brake pads replaced at a Ducati Dealer or Authorized Service Center.



Charging the battery



Attention

Have the battery removed at a Ducati Dealer or Authorized Service Center.

To reach the battery it is necessary to remove the seat page 158.

Remove rubber band (C) and slide out the battery from its seat.

Loosen screws (1), remove first the negative cable (4) and the ABS (5) from the negative terminal and then the positive cable (2) and the ABS positive cable (3) from the positive terminal.



Attention

The battery gives off explosive gases; keep it away from any source of ignition such as sparks, flames and cigarettes. Charge the battery in a well-ventilated area.

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 (-).

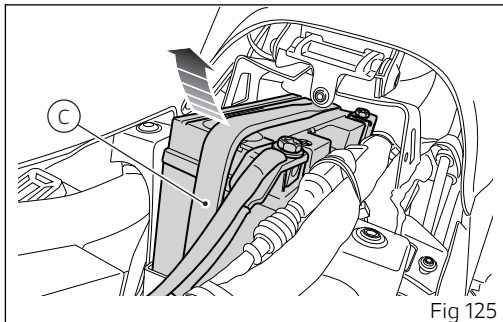


Fig 125

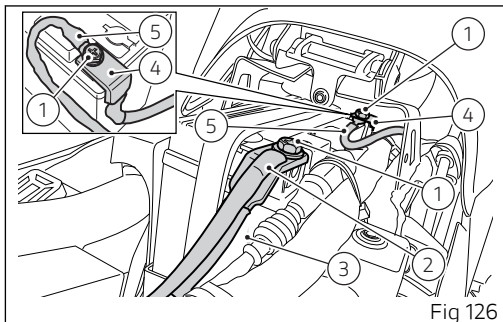


Fig 126



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 screws (1, Fig 126).

Refit the battery, connect the positive cable (2, Fig 126) and ABS positive cable (3, Fig 126) to the positive terminal, the negative cable (4, Fig 126) and the ABS negative cable (5, Fig 126) to the negative terminal of the battery, always starting from the positive one (+), and start the screws (1, Fig 126). Tighten the screws (1, Fig 126) to a torque of 3 Nm.



Attention

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 external device to the battery without removing it from the vehicle. Connect the external device positive pole to the

battery positive pole and the external device negative pole to the battery negative pole.



Attention

When connecting the external device to the poles of the battery fitted on the vehicle, pay attention not to touch other metallic parts of 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 maintainer 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.



Important

If battery minimum voltage is not ensured by a suitable battery charge maintainer, sulfation may occur. This is irreversible and will lead to decreasing battery performance.

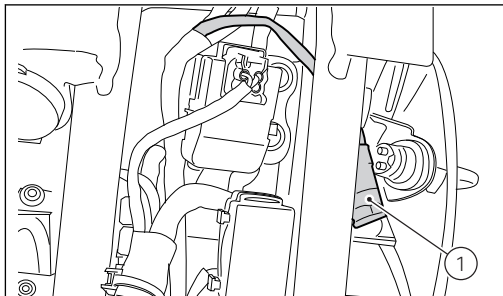


Fig 127

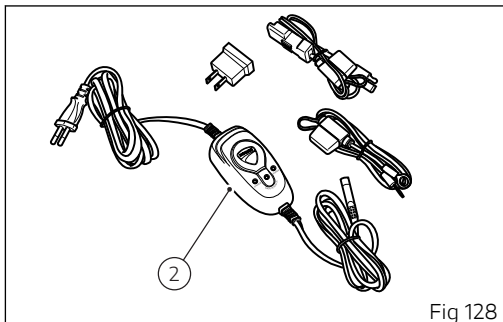


Fig 128



Note

When the motorcycle is left unused (approximately for more than 30 days) we recommend owners to use the Ducati battery charge maintainer (Battery maintainer 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 end of the bike.



Note

Using charge maintainers not approved by Ducati could damage the electric system; vehicle warranty does not cover the battery if damaged due to failure to comply with the above indications, since it is considered incorrect 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. Operate the control to make sure cable slides smoothly: have it replaced by a Ducati Dealer or Authorized Service Center if you find friction or hard spots.

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.

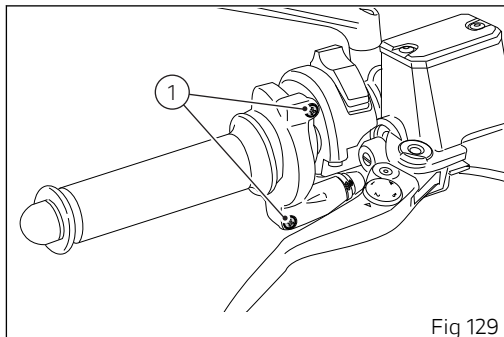


Fig 129



Attention

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

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 $0.08 \div 0.16$ in ($2 \div 4$ 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.

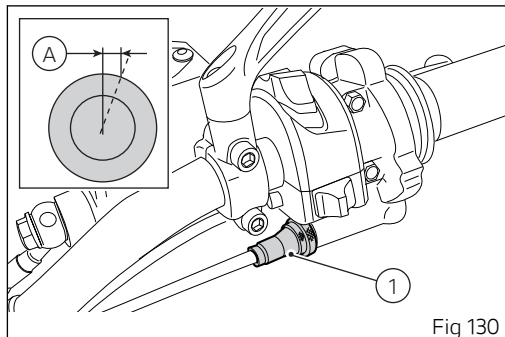


Fig 130

Checking drive chain tension



Important

Have chain tension adjusted by a Ducati Dealer or Authorized Service Center.

Turn the rear wheel until you find the position where chain is tightest. Set the vehicle 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: $A = 31 \div 33 \text{ mm}$ ($1.22 \div 1.30 \text{ in}$).



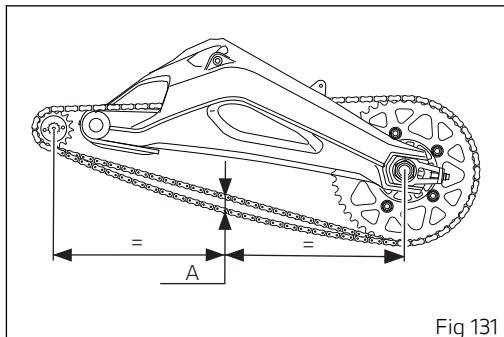
Important

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



Important

If the drive chain is too tight or too slack, adjust it so that tension reading will fall within specified range.





Attention

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



Important

Improper chain tension will lead to rapid 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.

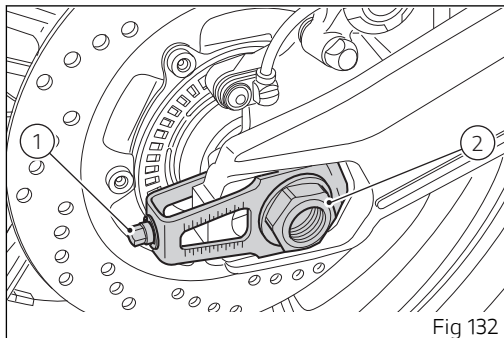


Fig 132

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 lead to severe damage to chain, front and rear sprocket.

Changing bulbs

Before replacing a blown bulb, make sure that the replacement bulb has the same voltage and power as that specified in the paragraph "Electrical System" on page 223.



Important

Have the bulbs replaced at a Ducati Dealer or Authorized Service Center.

Undo the screw (1) and detach the lens (2) from the turn indicator support.

The bulb is the banjo-type: press and rotate counterclockwise to remove. Fit the spare bulb by pressing and turning clockwise until it clicks. Refit the lens by inserting the tab in the corresponding slot in the turn indicator support. Tighten screw (1).

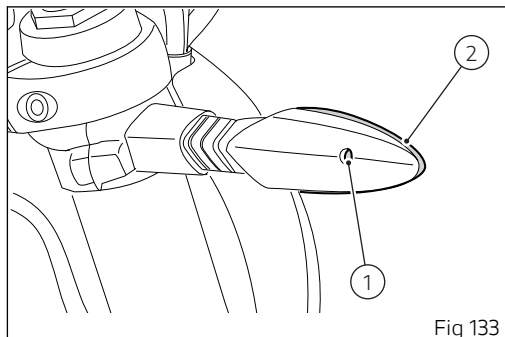


Fig 133

Aligning the headlight

To check the headlight aim, place the motorcycle upright with the tires inflated to the correct pressure and one person sitting astride the motorcycle. The motorcycle should be perfectly vertical, with its longitudinal axis at right angles to a wall or screen at a distance of 32.8 feet (10 meters). On the wall or surface, draw a horizontal line at the same height from the ground as the center 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. 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 center.



Note

The procedure described here is in compliance with the Italian Standard establishing the maximum height of the light beam. Owners in other countries will adapt said procedure to the provisions in force in their countries.

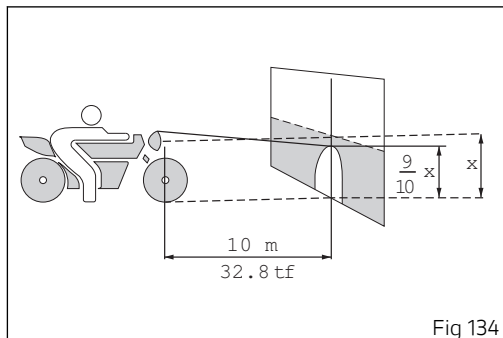


Fig 134

To vertically align the headlight beam, turn the screw (1).



Attention

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

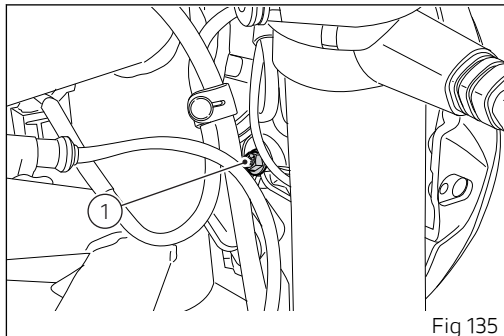


Fig 135

Adjusting the rear-view mirrors

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



Attention

This type of adjustment must be performed with attention to avoid forcing the rear-view mirror position and damaging it.

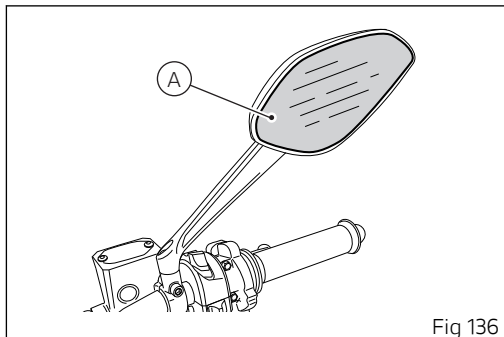


Fig 136

Should it prove difficult to perform the adjustment because the rear-view mirror is hard to move, it is possible to work on the relevant articulated joint. For this adjustment it is necessary to remove cover (1).

Slightly loosen the ball joint (2).

Refit the cover (1).

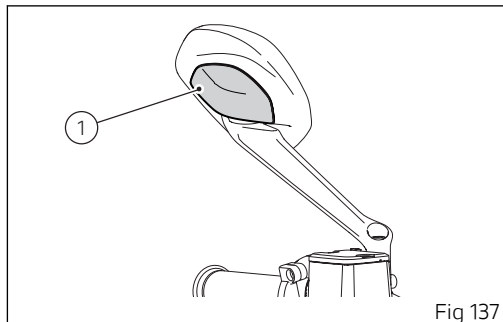


Fig 137

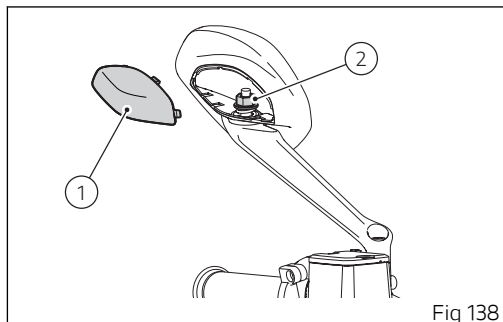


Fig 138

Tires

Front tire pressure:

2.3 bar (33 PSI) (rider only) - 2.5 bar (36 PSI) (rider and passenger).

Rear tire pressure:

2.5 bar (36 PSI) (rider only) - 2.8 bar (41 PSI) (rider and passenger).

Because tire pressure is affected by 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 tire pressure when tires are cold. When traveling very bumpy roads, increase tire pressure by 0.2÷0.3 bar (2.9÷4.35 PSI) to preserve the roundness of the front rim.

TIRE REPAIR OR CHANGE

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



Attention

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

After replacing a tire, the wheel must be balanced.



Attention

Do not remove or move the counterweights for wheel balancing.



Note

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

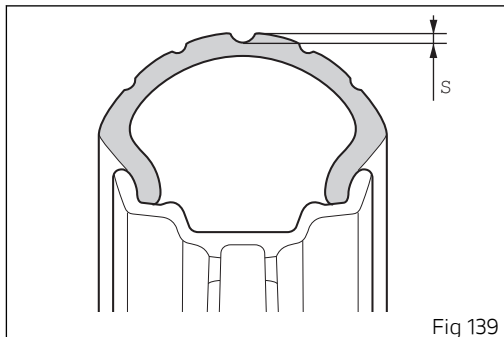
MINIMUM TREAD DEPTH

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



Important

Periodically check tyres to detect any cracks or shears - in particular in the side walls - swells or wide and evident spots that indicate internal damage; replace them in case of serious damage. Remove pebbles or other foreign objects remained stuck in the tyre tread pattern.



Check engine oil level

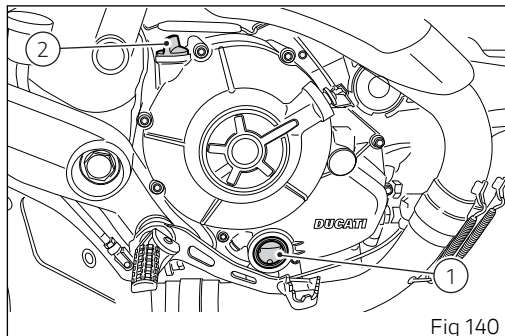
Check the engine oil level through the sight glass (1) on the clutch cover. Oil level must be checked with the motorcycle perfectly upright and the engine cold. Oil level should be between the marks on the sight glass. If the level is low, top up with engine oil. Ducati recommends you use Shell Advance DUCATI 15W-50 Fully Synthetic oil.

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



Important

Engine oil and oil filters must be changed by a Ducati Dealer or Authorized Service Center at the intervals specified in the scheduled maintenance chart contained in the Warranty Booklet.



Recommendations concerning oil

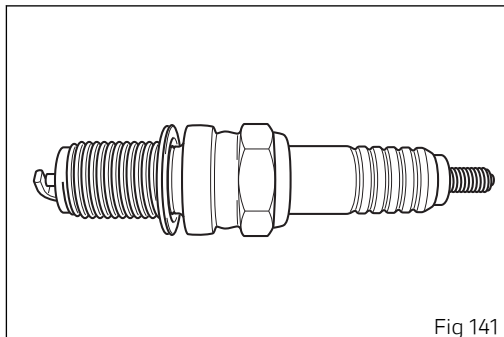
It is recommended to use oil complying with the following specifications:

- viscosity grade SAE 15W-50.

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.

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 at a Ducati Dealer or Authorized Service Center.



Cleaning the motorcycle

To preserve the finish of metal parts and paintwork, wash and clean your motorcycle at regular intervals according to the road conditions you ride in. Use specific products only. Prefer biodegradable products. Avoid harsh detergents or solvents. Only use water and neutral soap to clean the Plexiglas and the seat. Periodically manually clean all aluminum components. Use special detergents, suitable for aluminum parts FREE of abrasives or caustic soda.



Note

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

In any case, 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 the front fork, wheel hub assembly, electric system, headlight (fogging), front fork seals, air inlets or exhaust mufflers, with resulting loss of compliance with safety requirements.

Clean off stubborn dirt or exceeding grease from engine parts using a degreasing agent. Be sure to avoid contact with drive parts (chain, sprockets, etc.).

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



Attention

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



Attention

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

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

Storing the motorcycle

If the motorcycle is to be left unriden over long periods, you should perform the following procedures 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 the service stand;
- disconnect and remove the battery.

Battery should be checked and charged whenever the motorcycle has been left unriden for over a month.

Protect the motorcycle with a suitable canvas. This will protect paintwork and prevent retaining condensate. The canvas is available from Ducati Performance.

Important notes

Laws in some countries (France, Germany, Great Britain, Switzerland, etc.) set certain noise and pollution standards.

Periodically carry out the required checks and replace parts as necessary using Ducati original spare parts to be in compliance with regulations in the given country.

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. x1000	1	12	24	36	48	Time (months)
	mi. x1000	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

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1000	1	12	24	36	48	Time (months)
	mi. x1000	0.6	7.5	15	22.5	30	
Check brake disk and pad wear. Change if necessary		•	•	•	•	•	12
Check the proper tightening of brake caliper bolts and brake disk 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

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1000	1	12	24	36	48	Time (months)
	mi. x1000	0.6	7.5	15	22.5	30	
Check the freedom of movement and tightening of the side and central stand (if any)		•	•	•	•	•	12
Visually check the fuel lines			•	•	•	•	12
Check rubbing points, clearance, freedom of movement and positioning of hoses and electric wiring in view		•	•	•	•	•	12
Check the clutch control lever free play		•	•	•	•	•	12
Lubricate the levers at the handlebar and pedal controls			•	•	•	•	12
Check tire pressure and wear		•	•	•	•	•	12
Check the battery charge level		•	•	•	•	•	12
Check secondary air system operation			•	•	•	•	-
Check the operation of all electric safety devices (side stand sensor, front and rear brake switches, engine kill 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

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1000	1	12	24	36	48	Time (months)
	mi. x1000	0.6	7.5	15	22.5	30	
Softly clean the motorcycle		•	•	•	•	•	12
Fill out that the service was performed in on-board documentation (Service Booklet)		•	•	•	•	•	12

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

In case of off-road use, it is necessary to perform the maintenance operations more frequently than scheduled.

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



Important

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

List of operations and type of intervention [set mileage (km/mi) or time interval *]	Km. x1000	1
	mi. x1000	0.6
	Months	6
Check engine oil level		●
Check brake fluid level		●
Check tire pressure and wear		●
Check the drive chain tension and lubrication		●
Check brake pads. If necessary, contact your dealer to replace components.		●

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

Specifications

Weights

Overall weight (in running order with 90% of fuel - 93/93/EC): 426 lb (193 kg).

Overall weight (without fluids and battery): 386 lb (175 kg).

Maximum allowed weight (carrying full load): 860 lb (390 kg).



Attention

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

Overall dimensions

Monster 797

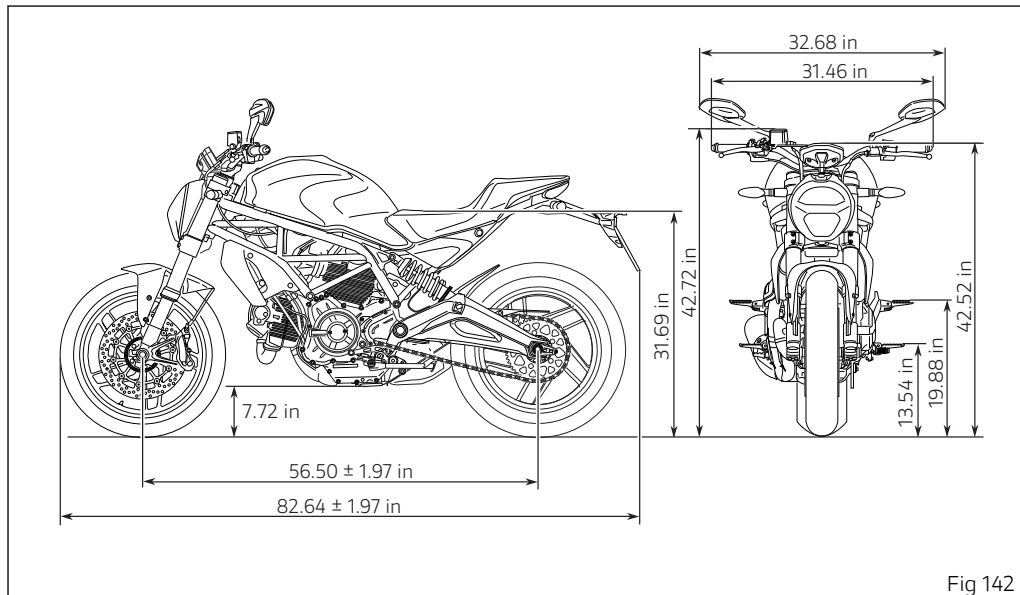
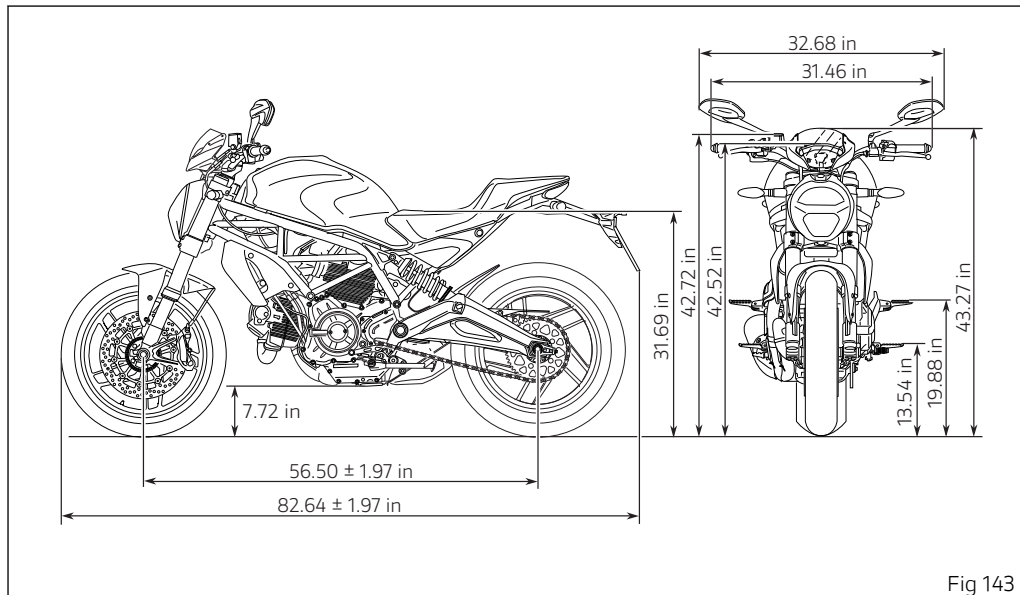


Fig 142

Overall dimensions

Monster 797 Plus



Top-ups

TOP-UPS	TYPE	
Fuel tank, including a reserve of 1.06 gal (4 liters)	Ducati recommends the use of premium-grade unleaded petrol SHELL V-Power with a minimum octane rating of 90 (RON +MON)/2	4.36 gallons (16.5 liters)
Oil sump and filter	Ducati recommends you use SHELL Advance DUCATI 15W-50 Fully Synthetic oil.	0.90 gallons (3.4 liters)
Front/rear brake circuit	DOT 4	-
Protectant for electric contacts	Spray used to protect electric systems	-
Front fork	SHELL Donax TA	31.79 cu in (521 cu. cm) (right leg) 24.04 cu. in (394 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.



Attention

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

Engine

Twin cylinder, four-stroke, 90° "L" type, longitudinal

Bore: 3.46 in (88 mm)

Stroke: 2.60 in (66 mm)

Total displacement: 49 cu in (803 sq. cm)

Compression ratio: 11.0±0.5:1

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

54 kW/73 HP at 8,250 rpm

(version 35 kW) 34 kW/46 HP at 8,500 rpm

Maximum torque at crankshaft (EU) Regulation no.
134/2014, Annex X:

67 Nm - 6.8 kgm at 5,750 rpm

(version 35 kW) 49 Nm - 5 kgm at 4,250 rpm

Max. rotation speed: 9,200 rpm



Note

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



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, pulleys and toothed belts.

Desmodromic timing system

- 1) opening (or upper) rocker;
- 2) opening rocker shim;
- 3) split rings;
- 4) closing (or lower) rocker shim;
- 5) return spring for lower rocker;
- 6) closing (or lower) rocker;
- 7) camshaft;
- 8) valve.

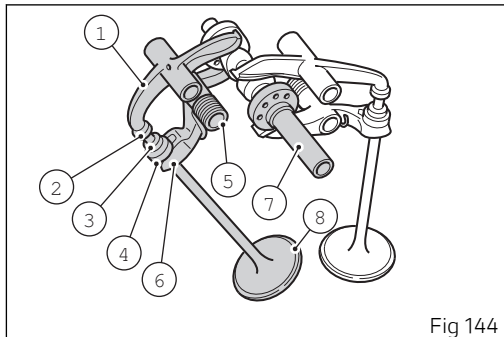


Fig 144

Performance

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



Important

Failure to follow these instructions will release Ducati Motor Holding S.p.A. from any liability for any engine damage or shortened engine life.

Spark plugs

Make: NGK

Type: DCPR8E.

Fuel system

CONTINENTAL M3C indirect electronic injection.

BING throttle body with cable control.

Diameter: 1.97 in (50 mm).

Injectors per cylinder: 1.

Firing points per injector: 8.

Fuel with a minimum octane rating of 90 (RON +MON)/2.



Attention

The vehicle is compatible only with fuel having a maximum ethanol content of 10% (E10).

Using fuel with ethanol content over 10% is prohibited. Using it could result in severe damage of the engine and motorcycle components. Using fuel with ethanol content over 10% will render the Warranty null and void.

Brakes

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

FRONT

Type: semi-floating disk.

no. 2 disks.

Disk diameter: 12.60 in (320 mm).

Thickness: 0.18 in (4.5 mm).

Braking material: stainless steel.

Carrier material: stainless steel, black color.

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

Brake calipers: radially-mounted monobloc calipers.

Brake caliper make: BREMBO.

Type: M4.32 b.

Friction material: Toshiba TT 2182 FF.

Cylinder type: PS 16/22.

REAR

With fixed drilled steel disk.

Disk diameter: 9.65 in (245 mm).

Hydraulically operated by a pedal on RH side.

Make: BREMBO

Type: PF 32 b.

Friction material: FERIT I/D 450 FF.



Attention

The brake fluid used in the brake system is corrosive.

In the event of accidental contact with eyes or skin, wash the affected area with generous quantities of running water.

Transmission

Wet slipper clutch with less effort at the lever controlled by the lever on left-hand side of the handlebar.

Drive is transmitted from engine to gearbox main 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 13/32

2nd 18/30

3rd 21/28

4th 23/26

5th 22/22

6th gear 26/24

Drive chain from gearbox to rear wheel.

Make: DID 520 VF

Voltage: 40 ÷ 42

Links: 104



Important

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



Attention

If the rear sprocket needs replacing, contact a Ducati Dealer or Authorized Service Center. If improperly replaced, this component could seriously endanger your safety and that of your passenger, and cause irreparable damage to your motorcycle.

Frame

Steel tubular trellis

Steering angle (per side): 28°.

Steering head angle: 24°.

Trail: 3.54 in (90 mm)

Wheels

Ten-spoke, light-alloy rims.

Front

Size: MT3.50" x 17"

Rear

Size: MT5.50" x 17"

Both wheel shafts can be removed.

Tires

Front

Pirelli Diablo Rosso II "tubeless" radial type.

Size: 120/70 ZR17

Rear

Pirelli Diablo Rosso II "tubeless" radial type.

Size: 180/55 ZR17

Suspensions

FRONT

Kayaba upside-down fork.

Stanchion diameter: 1.69 in (43 mm).

Wheel travel: 4.92 in (125 mm).

REAR

Progressive with Sachs monoshock with spring preload and rebound adjustment.

Rear wheel travel: 5.90 in (150 mm).

Exhaust system

Single silencer in stainless steel, aluminum tailpipe cover; catalytic converter and double lambda sensor.

Available colors

Ducati Red

Primer, Antiflex White code L00440652 (Lechler);

Primer, Acriflex Red code 473.101 (PPG);

Clear coat code 228.880 (PPG);

Red frame and rims.

Star White Silk

Primer code 873.AC001 (Palinal).

Base coat code 928.T948 (Palinal).

Clear coat code 96598 (Lechler).

Charcoal black frame and black rims.

Dark Stealth;

Primer (Primer 2 K Black) code 873.A002 (PALINAL);

Primer (Black Stealth - Black 94) code 929.R223
(PALINAL);
Clear coat (Matt Clear Coat 2K) code 923I.2176
(PALINAL);
Black frame and rims.

Electric system

Basic electric items are:

HEADLIGHT:

low beam: H7 (12 V - 55 W).

high beam: H1 (12 V - 55 W).

parking light: LED - No. 12 LEDs (13.5V - 2.4W).

ELECTRICAL CONTROLS ON HANDLEBAR

front turn indicators: bulb RY10W (12V-10W).

rear turn indicators: bulb RY10W (12V-10W).

Horn.

Stop light switches.

Battery, 12 V-10 Ah.

Generator 490 W - 14 V.

ELECTRONIC REGULATOR:

protected by 2 fuses, 30 A, on solenoid starter (C) sides.

Starter motor, 12 V-0.7 kW.

Tail and stop light: LEDs.

parking light: with 8 LEDs (12V - 0.5W).

rear stop light: with 12 LEDs (12 V - 2.8 W).

Number plate light: with three LEDs (13.5V - 0.7W).



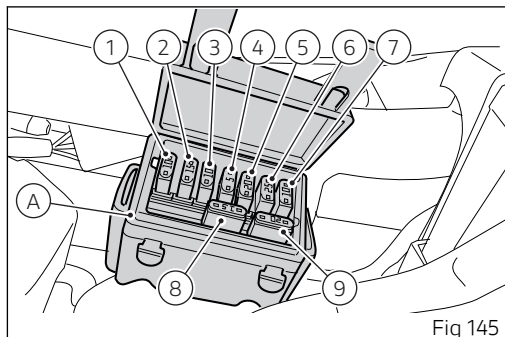
Note

For the bulb replacement refer to paragraph "Replacing the bulbs".

Fuses

To protect the electric components there are seven fuses inside the fuse box, plus two spare fuses. On the remote control switch there are two 30A fuses. The fuse box (A) is located under the seat. To expose the fuses, lift the box protective cover. Mounting position and ampere capacity are marked on box cover. Refer to the table below to identify the circuits protected by the various fuses and their ratings.

Fuse box key		
Pos	El. item	Rat.
1	Key On	10 A
2	Loads	15 A
3	Instrument panel/ Lights	10 A
4	ECU	5 A
5	Injection	20 A
6	ABS	25 A
7	ABS	10 A
8	Spare	15 A
9	Spare	20 A



The main fuse (C) is positioned on the solenoid starter. To reach the fuse it is necessary to remove the protection cap: on the remote control switch there is another 30A spare fuse. A blown fuse is identified by the interrupted center link (F).



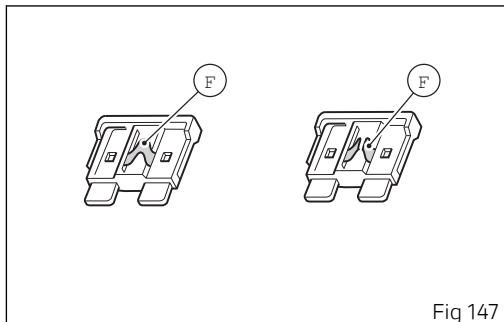
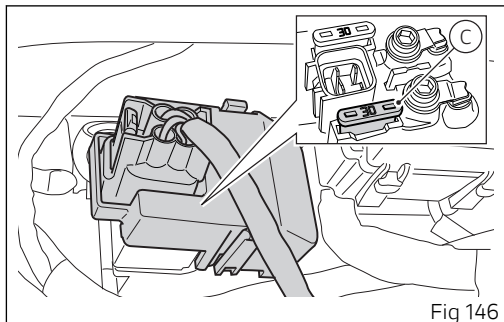
Important

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



Attention

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



Injection /electric system diagram key

- 1) Headlight
- 2) Alarm
- 3) Left-hand switch
- 4) Clutch switch
- 5) Rear left turn indicator
- 6) Number plate light
- 7) Rear right turn indicator
- 8) Rear light
- 9) Horn
- 10) Rear stop light
- 11) Front stop light
- 12) Ignition system (ignition switch)
- 13) Fuse box
- 14) Starter motor
- 15) Solenoid starter
- 16) Battery
- 17) Regulator
- 18) Generator
- 19) Main relay
- 20) Fuel pump relay
- 21) Fuel pump
- 22) Fuel pump ground
- 23) Horizontal injector
- 24) Vertical injector

- 25) Horizontal coil
- 26) Vertical coil
- 27) Neutral sensor
- 28) Potentiometer motor (TPS)
- 29) Vertical exhaust lambda sensor
- 30) Horizontal exhaust lambda sensor
- 31) ECT sensor
- 32) Air temperature sensor
- 33) Timing/rpm sensor
- 34) Purge valve
- 35) Secondary air actuator
- 36) Control unit
- 37) Side stand switch
- 38) MAP sensor
- 39) Stepper motor
- 40) Front left turn indicator
- 41) Front right turn indicator
- 42) ABS control unit
- 43) Rear speed sensor
- 44) Front speed sensor
- 45) Right-hand switch
- 46) Immobilizer
- 47) Self-diagnosis/DDA
- 48) Instrument panel
- 49) Oil pressure sensor
- 50) USB

Wire color coding

B Blue

W White

V Violet

Bk Black

Y Yellow

R Red

Lb Light blue

Gr Gray

G Green

Bn Brown

O Orange

P Pink



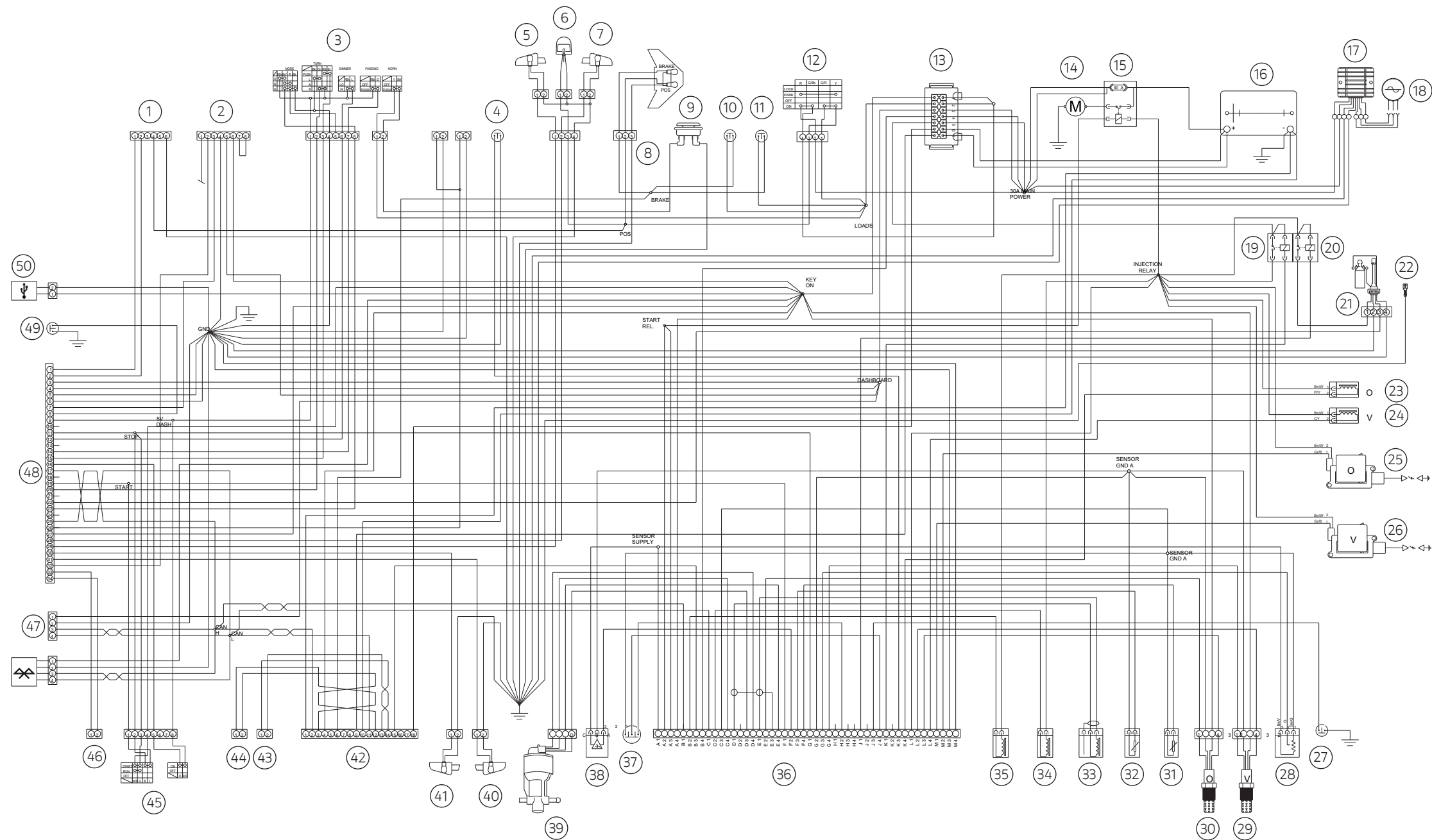
Note

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

Routine maintenance record

Routine maintenance record

KM	MI	NAME	MILEAGE	DATE
		DUCATI SERVICE		
1000	600			
12000	7500			
24000	15000			
36000	22500			
48000	30000			



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