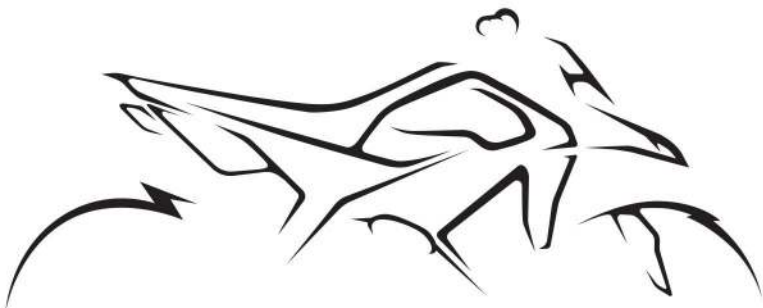


HYPERMOTARD

Owner's manual

ENGLISH

HYPERMOTARD 950

Dear Ducatista,

thank you for trusting us with the purchase of your new Hypermotard 950.

We recommend that you **read the use and maintenance manual carefully**, to quickly get familiar with your Ducati and **make the most of all its features**. In the manual, we provide lots of useful advice and information on your **safety**, on how to **take care** of your bike and on how to maintain its value through **correct maintenance** by specialist Service Centres.

You can also find this manual in **digital format, always up-to-date, in the dedicated area of the Ducati website** and **in the MyDucati App**, which can be consulted both from a PC and a phone.

In this way, you will always have the **most up-to-date version of the manual** available and you will also find **information and frequently asked questions** regarding your bike and the world of Ducati.

You can send suggestions for improvement regarding the contents of this Use and maintenance manual to the following address: OwnerManual@ducati.com

This manual forms an integral part of the motorcycle and must be kept with it for its whole service life. If the motorcycle is resold, the manual must always be handed over to the new owner. The quality standards and safety of Ducati motorcycles are steadily improved as new design solutions, equipment and accessories are developed. While the information contained in this manual is current at the time of going to print, Ducati Motor Holding S.p.A. reserves the right to make changes at any time without notice and without any obligations. For this reason, the illustrations in this manual might differ from your motorcycle.

Important

Check the FAQs and tutorials dedicated to your bike on the Ducati website to keep up to date with all the latest news regarding its functions and features.
The information in the manual is current at the time of going to print. The quality and safety standards of Ducati motorbikes are constantly updated. Check on the Ducati website the functions and features in the updated Owner's Manual of your motorbike.

Any and all reproduction or spreading of the contents herein in whole or in part is forbidden. All rights reserved to Ducati Motor Holding S.p.A. Any request for written authorisation shall be addressed to this company, specifying the reasons for request. For any servicing or suggestions you might need, please contact our authorised service centres.

For further information, please contact us at:
contact_us@ducati.com
Our Advisors are available to give you suggestions and useful tips.

Important

For further information, please contact the Ducati Support by clicking on “Contact us” in the Services and Maintenance section of the www.ducati.com website.
Our Advisors are available to give you suggestions and useful tips.

Enjoy your ride!

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Roadside Assistance

Roadside Assistance



Important

The "ACI Global Services" roadside assistance is in force only in the following countries:
Denmark, Belgium, France, Luxembourg, Switzerland, Ireland, United Kingdom, Italy, Norway, Holland, Spain, Austria, Germany, Sweden, Portugal, Canary Islands, Cyprus, Croatia, Czech Republic, Estonia, Latvia, Lithuania, Finland, Greece, Hungary, Malta, Poland, Serbia and Montenegro, Slovakia, Slovenia, Turkey, Ukraine.

The Ducati Card Assistance Programme, created in collaboration with Ducati and ACI Global Services, offers assistance in case of breakdown and/or accident to the Ducati Customer. The service is active 24 hours a day, 365 days a year, for 24 months (in case of extended warranty the relevant conditions will apply) from the date of delivery of the motorcycle or for the period of coverage of the Ever Red warranty extension.

The roadside assistance services include:

- Roadside assistance and towing
- Information Service
- Transport of passengers following roadside assistance
- Return of passengers or continuation of the journey
- Recovery of the repaired or found motorcycle
- Repatriation of the motorcycle from abroad
- Search and sending of spare parts abroad
- Hotel expenses
- Recovery of the motorcycle off the road in case of accident
- Advance payment of bail abroad

and may be requested in the following countries: Andorra, Austria, Belgium, Bulgaria, Croatia, Cyprus, Denmark, Estonia, Finland, France (including Corsica, roads open to ordinary traffic) Fyrom (the former Yugoslav Republic of Macedonia), Germany,

Gibraltar, Greece, Ireland, Iceland, Italy (including San Marino and the Vatican), Latvia, Lithuania, Luxembourg, Malta, Montenegro, Norway, the Netherlands, Poland, Portugal, Monaco, United Kingdom, Czech Republic, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, Hungary.

Important
All information is detailed and available on the Ducati website of the respective country.

Call Centre telephone numbers

To request Assistance:
Event in the country of origin: call the toll-free number for your country as specified in the first column of the table.
Event out of the country of origin: call the paid number for your country including the prefix, as specified in the second column of the table.
Should you have any problems in calling the number for your country from abroad, dial the phone number of the country where the Event has occurred.

Attention
If phone numbers are temporarily inactive due to a malfunction to telephone lines, the Beneficiary may call the number of ACI Global Servizi Operations Centre in Italy: +39-02 66165610.

Andorra	+34-91-594 93 40	+34-91-594 93 40
Austria	0800-22 03 50	+43-1-25 119 19398
Belgium	0800-14 134	+32-2-233 22 90
Bulgaria	(02)-986 73 52	+359-2-986 73 52
Cyprus	25 561580	+357-25 561580
Croatia	0800-79 87	+385-1-464 01 41
Denmark	80 20 22 07	+45-80 20 22 07
Estonia	(0)-69 79 199	+372-69 79 199
Finland	(09)-77 47 64 00	+358-9-7747640 0
France (+Corsica)	0800-23 65 10	+33-4-72 17 12 83
FYROM	(02)-3181 192	+389-2-3181 192

Germany	0800-27 22 774	+49-89-76 76 40 90
Gibraltar	91-594 93 40	+34-91-594 93 40
Greece	(210)-9462 058	+30-210-9462 058
Ireland	1800-304 500	+353-1-617 95 61
Iceland	5 112 112	+354-5 112 112
Italy	800.744.444	+39 02 66.16.56.10
Latvia	67 56 65 86	+371-67 56 65 86
Lithuania	(85)-210 44 25	+370-5-210 44 25
Luxembourg	25 36 36 301	+352-25 36 36 301
Malta	21 24 69 68	+356-21 24 69 68
Monaco	+33-4-72 17 12 83	+33-4-72 17 12 83
Montenegro	0800-81 986	+382-20-234 038
Norway	800-30 466	+47-800-30 466
Holland	0800-099 11 20	+31-70-314 51 12
Poland	061 83 19 885	+48 61 83 19 885

Portugal	800-20 66 68	+351-21-942 91 05
United Kingdom	00800-33 22 88 77	00800-33 22 88 77
Czech Republic	261 10 43 48	+420-2-61 10 43 48
Romania	021-317 46 90	+40-21-317 46 90
Serbia	(011)-240 43 51	+381-11-240 43 51
Slovakia	(02)-492 05 963	+421-2-49 20 59 63
Slovenia	(01)-530 53 10	+386-1-530 53 10
Spain	900-101 576	+34-91-594 93 40
Sweden	020-88 87 77	+46-771-88 87 77 (+46 8 5179 2873)
Switzerland (+Liechtenstein)	0800-55 01 41	+41 58 827 60 86
Turkey	(216) 560 07 50	+90 216 560 07 50

Ukraine	044-494 29 52	+380-44-494 29 52
Hungary	(06-1)-345 17 47	+36-1-345 17 47

Software updates

Software updates

Some components of the motorbike are operated by or involve the use of software. Such software may be subject to or require updates.

- Any updates that may be necessary to ensure the safety of the motorbike will be communicated by Ducati and made available for installation at the Ducati Service network.
- Information on updates that may be necessary to maintain the conformity of the motorbike is published on the Ducati website and the updates are made available, for two years from the date of purchase of the motorbike or for the longer term of the conventional warranty (if active for the motorbike), for installation at the Ducati Service network.
- Further updates and new versions of the software will be made available, in compliance with the motorbike maintenance schedule indicated in this Owner's Manual, for installation at the Ducati Service network when the motorbike is serviced.

We invite you to periodically consult the section of the Ducati website dedicated to updates and to download and install the My Ducati App to keep informed of available updates.

Attention

In order to maintain the motorbike's legal and, if applicable, conventional warranty of conformity (if applicable), you are required to install the updates made available as soon as possible and, in any case, within a reasonable period of time, also taking into account the importance of the update.
If the updates are not installed within a reasonable period of time, Ducati shall not be liable for any conformity or safety defects deriving from the failure to install the update.

Warranty information

General warranty conditions

1. Warranty content

1.1 Ducati Motor Holding S.p.A. - A Sole partner company- a Company of the Audi Group, with headquarters in via Cavalieri Ducati no. 3, 40132, Bologna, Italy (hereafter “Ducati”) - guarantees anywhere in the world where its official service network is present (see "World Dealer Guide" available at www.ducati.com) that all of its new motorcycles, manufactured for road use, for a period of twenty-four (24) months with no mileage/km limitation from the delivery date of the motorcycle to the first owner, shall be free of defects in workmanship as ascertained and recognised by Ducati.

1.2 In such cases, the Customer has the right to the repair or replacement of defective parts, free of charge.

1.3 The defective parts replaced under warranty become the property of Ducati.

1.4 The new parts replaced under warranty or repaired are covered by warranty for the remaining outstanding warranty period of the motorcycle.

1.5 Also, through a specific insurance policy taken out with ACI GLOBAL S.p.A, Ducati offers the Customer additional roadside assistance services in the Countries listed in the "Owner's manual", according to the specific terms and procedures reported therein, which are here fully referred to.

1.6 These general warranty conditions (hereinafter the "Warranty Conditions") do not affect the remedies for lack of conformity against the seller that the consumers have at their disposal by law, free of charge, in accordance with European regulations, as implemented in Italy by Legislative Decree no. 206 of 6 September 2005, and following amendments (so called Codice del Consumo or Consumer Code): In the event any one provision of these Warranty Conditions should conflict with mandatory law in force in the country of residence or domicile of the "consumer" such provision shall be treated as null and void.

2. Exclusions

2.1 This warranty offered by Ducati is not applicable to:

- a) motorcycles used in sporting competitions of any kind;
- b) motorcycles used in rental service;
- c) parts subject to wear and tear during normal operation of the motorcycle (such as for example: tyres, final drive, belts, flexible controls, spark plugs, brake and clutch parts subject to friction, the vehicle battery if not properly maintained using the Ducati battery maintainer);
- d) defects deriving from oxidation or caused by atmospheric agents extraordinary environmental conditions or circumstances or due to irregular or improper washing of the motorcycle;

2.2 Without prejudice to the provisions of the mandatory provisions for the protection of the consumer relating to the legal warranty pursuant to the national regulations transposing and implementing European legislation in the countries belonging to the European Union, the Customer cannot exercise this conventional warranty for damage/defects that are unrelated to the production process such as, by way of example, any damage/defect deriving from:

- negligence in the execution of the Scheduled Maintenance Plan specified by Ducati in article 5 below;
- incorrect maintenance or repair operations carried out by parties other than the Ducati Authorised Dealers and/or Service Centres
- assembly of spare parts or accessories whose use is not approved by Ducati;
- failure to comply with the prescriptions for the use of the vehicle and its equipment as indicated in the Owner's Manual;
- modifications to the vehicle made by the Customer and / or third parties without the express approval of Ducati;
- Customer's failure to adhere to any recall campaigns planned by Ducati.

3. 3 Procedure for claiming the warranty

3.1. To activate this warranty and maintain its validity, the Customer is required to:

- a) report any motorcycle defects to one of the Ducati Dealers and/or Authorised Service Centres listed on the website www.ducati.com

as soon as possible with respect to the time of their discovery, in order to reduce the consequences that such defects may have on the functionality and safety of the motorcycle.

- b) comply with the scheduled maintenance plan foreseen in art. 5 of these warranty conditions;

1) c) keep adequate documentation of any maintenance and/or repair work carried out on the vehicle (service booklet/receipts/invoices with details of the work carried out and the parts used). A copy of this documentation should be given to the Dealer/Authorised Service Centre from whom the warranty claim is made, who will be able to verify that the work has been carried out correctly.

3.2 For tracking purposes necessary for the implementation of safety and technical update policies in the event of a change of motorcycle ownership, the new owner must notify Ducati of the change of ownership advising the Ducati Customer Service at the contact information available at www.ducati.com or at the Ducati Authorised Dealers and/or Service Centres within thirty (30) days after change of ownership date.

4. Limitations of liability

4.1 Without prejudice to the national regulations applicable to the "consumer" and relating provisions on manufacturer liability, Ducati shall not be held liable in case of damage to people and/or property caused by the motorcycle or while using the same.
4.2 Any defects or delays in the repairs or replacements relating to the motorcycle caused by Ducati Authorised Dealers and/or Workshops shall not give the buyer the right to claim damages of any kind from Ducati, nor to extend the warranty per the present Warranty Conditions, without prejudice to the Customer's rights and actions with respect to the Ducati Authorised Dealer and/or Workshop that may be negligent/defaulting.
4.3 This warranty, under the conditions specified herein, is the only conventional warranty offered by Ducati, without prejudice to the possibility of extension through additional warranties offered by Ducati.
4.4 Ducati reserves the right to make changes and improvements to any model of its motorcycles, without the obligation to make said changes to motorcycles already sold.
4.5 These Warranty Conditions also extend to subsequent owners of the motorcycle, provided that

the provisions under art. 3 above are complied with. In any case, Ducati shall not be held liable for defects of the motorcycle attributable to the failure to notify Ducati of the change of ownership of the same.
4.6 Except as for the "consumer", or as otherwise provided by a mandatory regulation in force in the country of the Customer, the Court of Bologna (Italy) shall have sole jurisdiction over any controversies that may arise in connection with these Warranty Conditions.
4.7 These Warranty Conditions are governed by Italian law.

5. Scheduled maintenance plan and pre-delivery
5.1 The pre-delivery operations are carried out by the seller.
5.2 Ducati has defined the scheduled maintenance plan included in the "Owner's Manual" to keep their motorcycles at the best possible levels of efficiency, performance and safety.
5.3 Exact observance of the coupons, under the terms set forth herein, is a necessary condition to ensure the maintenance of the vehicle in correct usage status and the validity of this warranty. The following compulsory coupons must be carried out and paid for:

- first coupon: within six (6) months of delivery of the motorcycle to the Customer, or within the first 1000 km/600 miles travelled;
- second coupon, upon reaching the mileage specified in the maintenance schedule and in any case within twelve (12) months from previous service coupon.

Customer is solely liable for all costs related to coupons (labour and materials), including the one at 1,000 km /600 miles.
5.4 Every maintenance operation on the motorcycle must be carried out in compliance with Ducati's

recommendations and procedures, without limitations, including those reported in the "Owner's Manual". Any defect/damage to the vehicle caused by improper or insufficient maintenance will preclude the applicability of the warranty.
5.5 In order to certify that the operations specified for each service coupon have been duly performed, the Dealer and/or Authorised Ducati Service Centre shall place their stamp and write the necessary notes on the Service Booklet supplied with the motorcycle, and the customer shall preserve the receipts/ invoices for the service coupons that detail the operations performed. Warranty performance may be subject to the review of these documents by Ducati Technical Service.

Attention
A reference to 'you' is a reference to the Customer.

If you purchased your motorbike in Australia:
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

If you purchased your motorbike in New Zealand:
Our goods come with guarantees that cannot be excluded under the Consumer Guarantees Act 1993. You are entitled to a replacement or refund for a failure of substantial character and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a failure of substantial character.

The benefits given to you by the warranty set out in this Owner's manual are in addition to any other rights and remedies you have under a law in relation to the motorcycle. If any provision of the general warranty conditions set out in this booklet should exclude or limit any rights under the Australian Consumer Law or the Consumer Guarantees Act 1993 (National Law), such provision is null and void. In circumstances where your rights under the National Law are greater than your rights under the Warranty, Ducati will honour your rights under the National Law.

To make a claim under the Warranty you must notify one of the Ducati Authorised Dealers and/or Workshops listed in the "Dealer Locator" (available at www.ducati.com) of any defects of the motorcycle within two (2) months of becoming aware of the defect. If you have any questions, you may contact Ducati ANZ Pty Ltd ACN 636 589 430 at Level 6, 895 South Dowling Street, Zetland NSW 2017 or by email at contactus@ducati.com or by phone on 1300 11 26 06 (AU) / 0800 382 284 (NZ).

You must bear the expense of claiming under the Warranty.

Infotainment

Infotainment (if any)

If the Bluetooth control unit is installed, the infotainment system is activated.
The infotainment system allows devices such as smartphones, rider and passenger helmet intercoms and satellite navigator to be connected via Bluetooth, allowing incoming and outgoing phone calls to be managed and music on the smartphone to be played.

- For pairing and managing Bluetooth devices, see page 22.
- For managing phone calls, see page 30.
- For managing the music player see page 36.

Note
Download the Ducati Link App available for iOS and Android devices to activate different services such as: journey recording, motorbike data saving, motorbike maintenance data consultation, parameter setting and much more.

Bluetooth device pairing and management (if any)

This function is available only if the Bluetooth control unit is installed and allows managing the paired devices: visualisation, addition of new devices and removal of devices already paired.

Enter the setting menu (SETTING MENU).
Select “Bluetooth” option, by pressing button (1) or (2). Once function is displayed, press button (4).

As you enter this function, the instrument panel displays the following indications:

- < Back
- Associated Devices
- Pairing
- < Back

Use buttons (1) and (2) to select the desired function:

Select “Associated Devices” and press button (4) to view the list of associated Bluetooth devices, as described in paragraph “Associated devices display and deletion”;

Select “Pairing” and press button (4) to pair new devices, as described in paragraph “Pairing of a new device (Pairing)”.

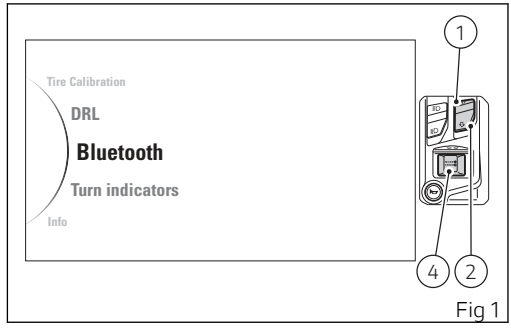


Fig 1

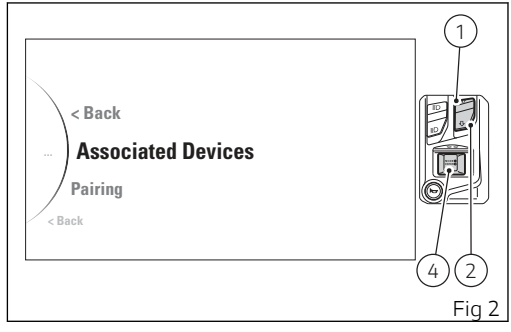


Fig 2

To exit the menu, select the "< Back" option and press button (4).

Pairing of a new device

This function allows pairing a new Bluetooth device. The instrument panel manages 4 types of Bluetooth devices and a maximum of 5 devices paired and/or connected: 2 smartphones, 1 rider earphone, 1 passenger earphone, 1 navigator. If you want to pair a new smartphone, earphone or navigator, it is necessary to first disconnect one of the corresponding devices already paired (see paragraph “Associated Devices display and deletion”).

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

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

To pair a new Bluetooth device, you must open the SETTING MENU.
Select “Bluetooth” option, by pressing button (1) or (2). Once function is displayed, press button (4).



Fig 3

Then select "Pairing" and press button (4).

When entering this function (A), the instrument panel will display the types of devices that can be paired:

- < Back
- Smartphone
- Rider
- Passenger
- Navi
- < Back

Use buttons (1) and (2) to select the type of device for which you wish to start the device search procedure and press button (4).

The instrument panel will start searching for Bluetooth visible devices, and show type of device it is looking for on the left side of the screen, the list of identified devices at the centre and “Wait..” message on the left side, which remains until search is completed.

At the end of this operation, a list of all found devices that can be paired is displayed (B). The list may include a maximum of 20 devices.

Use buttons (1) and (2) to select the desired device and press button (4) to start the pairing procedure.

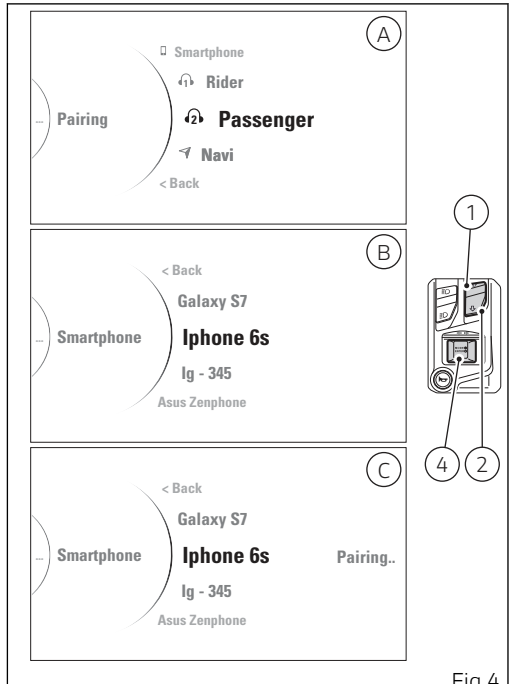


Fig 4

The display shows the message “Pairing..” on the right side (C).
As soon as the procedure is completed, the device is added to the list of associated devices (A, Fig 5) and the instrument panel goes back to the previous page (A, Fig 4).

If Pairing is not successful, the "Pairing error" message will be displayed.

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. If user does not complete the pairing procedure on the Navigator side within 90 seconds, pairing procedure cannot be completed.

Associated Devices display and deletion

This function allows viewing and erasing paired Bluetooth devices.
Maximum of 2 smartphones, 1 rider earphone, 1 passenger earphone, 1 navigator can be paired up. For each device the relevant icon indicating the type is shown on the side. The device can also be deleted.

Enter the setting menu (SETTING MENU).
Select “Bluetooth” option, by pressing button (1) or (2). Once function is displayed, press button (4). Then select "Associated Devices" and press button (4).

If no associated devices are present, the instrument panel will show “No Device” (B).

The paired devices can be maximum 5:

Use button (1) or (2) to scroll the list and select associated devices.

Select from the list the device to be deleted then press button (4) to delete it.
The instrument panel shows the name of the selected device on the left side, “< Back” option and the message “Delete” (C) at the centre.

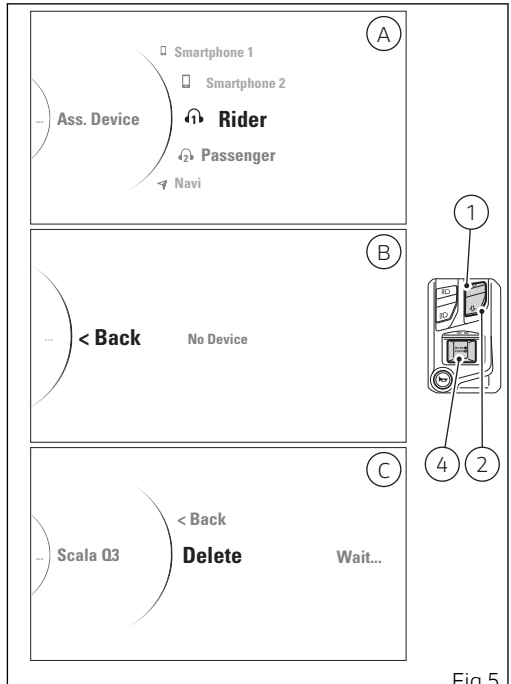


Fig 5

Press button (4) when “Delete” is selected, to delete the device: “Wait..” message is shown for a few seconds on the right side, then instrument panel will show the updated list of associated devices (A).

If you do not wish to delete it, select the "< Back" option and press button (4).

Attention

Smartphone and 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 Smartphone and 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:

1) the entire range of headphones and Smartphones available on the market;
2) Smartphones that do not support the required Bluetooth profiles.

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.

Paired Bluetooth device icons

If the Bluetooth control unit is installed, the Bluetooth symbol is displayed on the instrument panel.
Once paired, Bluetooth devices are displayed as follows:

1) Smartphone connected;
2) Rider earphones connected;
3) Passenger earphones connected;
4) Rider earphones connected and passenger earphones paired;
5) Passenger earphones connected and rider earphones paired;
6) Rider and passenger earphones connected;
7) Satellite navigator connected.

Icons are black in the “day” mode or white in the “night” mode when the corresponding device is connected via Bluetooth. They are grey if the corresponding device is paired but not connected. To change the “day” or “night” display mode, refer to the chapter “Setting menu - backlighting regulation (Backlight)” (page 176).
If a smartphone is connected to the instrument panel, the system allows managing the music player,

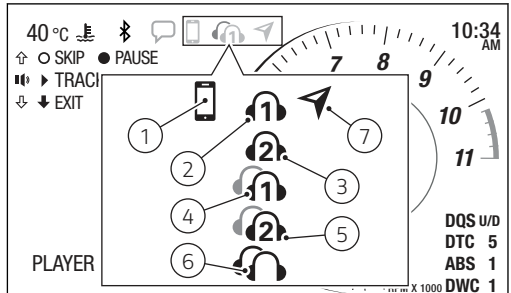


Fig 6

the list of the last calls and receiving or making phone calls. Refer to the chapters "Phone" (page 30) and "Music" (page 36).

Phone (if any)

The “LAST CALLS” function shows the list of the last missed, outgoing or incoming calls and is present in the function menu (see page 119) only if the Bluetooth control unit is installed and a smartphone is connected.
For the Bluetooth pairing procedure, refer to sub-section “Bluetooth device pairing and management” (page 22).

From the function menu (see page 119), use buttons (1) and (2) to select “LAST CALLS” and press button (4).
When entering this function, the display shows message “WAIT..” for a few seconds, then shows the name or phone number from the last call (Fig 8).

The instrument panel receives the call list information directly from the smartphone currently connected via Bluetooth.
Only the last 7 made, received or missed calls are displayed.

Use buttons (1) and (2) to scroll through the calls in the list (Fig 8). To make a call to the number/name selected from the list, press button (4).

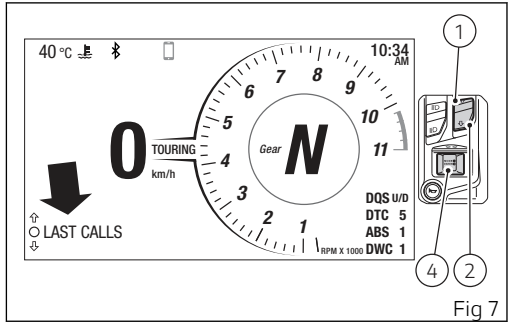


Fig 7

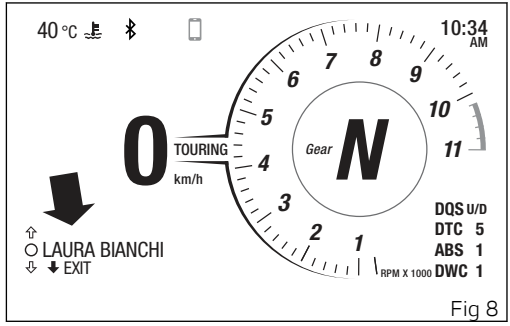


Fig 8

If the list of calls is empty, “EMPTY” will be displayed. In this case it is only possible to exit the function.

To exit the function and go back to the previous screen, press button (2) for 2 seconds.

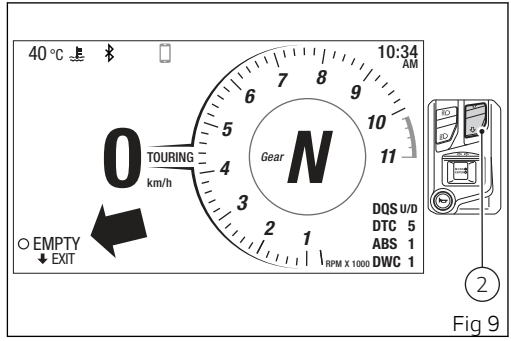


Fig 9

Incoming call

If a call is received while the smartphone is connected via Bluetooth to the instrument panel the display will show:

- the message “ACCEPT” next to the arrow ⇧ (A)
- the name/number of the person calling (B)
- the message “DECLINE” next to the arrow ⇩ (C)

It is possible to answer or reject an incoming call using buttons (1) and (2). In particular:

- to answer the call press button (1)
- to reject the call press button (2)

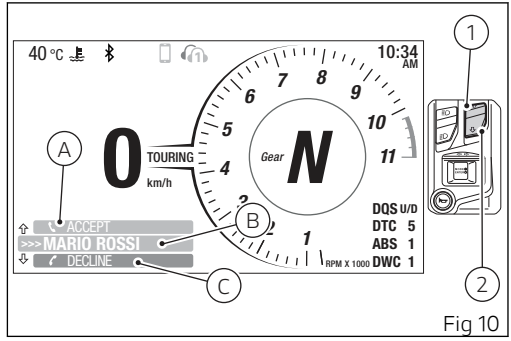


Fig 10

Note
During an incoming call, button (1) and button (2) are used to answer or reject the call and not for the “standard” instrument panel functions.

Call in progress

When answering a call, the instrument panel will display (Fig 11):

- "ACTIVE" indication (A)
- the name/number of the person calling preceded by ">>>" (B)
- the option "END CALL" next to the arrow ⇩ (C)

To end the call press button (2).

When making a call (for example through the LAST CALLS or RECALL functions), the instrument panel displays (Fig 12):

- "ACTIVE" indication (A)
- the name/number of the person calling preceded by "<<<" (B)
- the option "END CALL" next to the arrow ⇩ (C)

To end the call press button (2).

Note

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

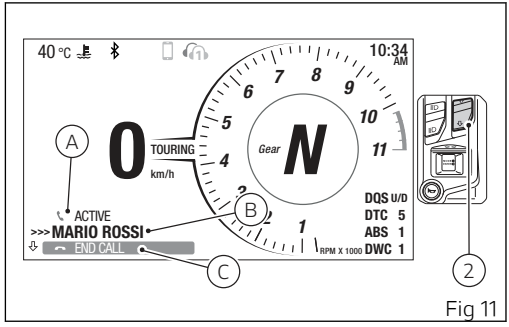


Fig 11

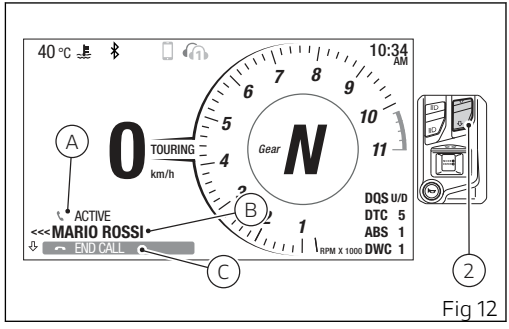


Fig 12

Recall last number (RECALL)

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

The display shows:

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

Press button (1) to call the last name/number displayed.

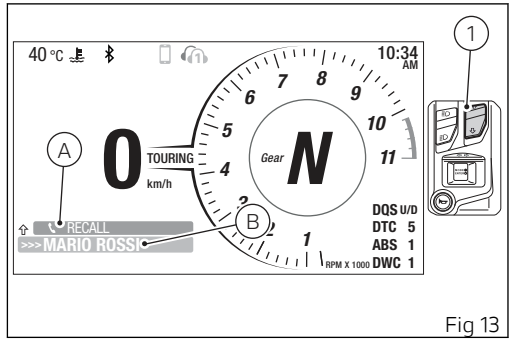


Fig 13

Missed call

The instrument panel will notify the user about a missed call by activating the symbol (A) for 60 seconds, with the first 3 seconds flashing.

Note
The number of missed calls is not displayed.

Message received

The instrument panel will notify the user about a received message by activating the symbol (B) for 60 seconds, with the first 3 seconds flashing.

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

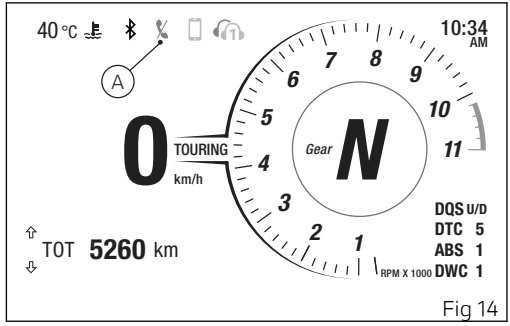


Fig 14

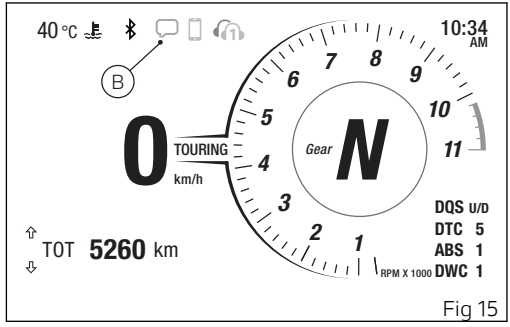


Fig 15

Music (if any)

The “PLAYER” function allows the activation, deactivation and management of the player and is present in the function menu (see page 119) only if the Bluetooth control unit is installed and a smartphone is connected.
For the Bluetooth pairing procedure, refer to sub-section “Bluetooth device pairing and management” (page 22).

From the function menu (see page 119), use buttons (1) and (2) to select “PLAYER” and press button (4). The “PLAYER” item is indicated with its current status “OFF” or “ON”.

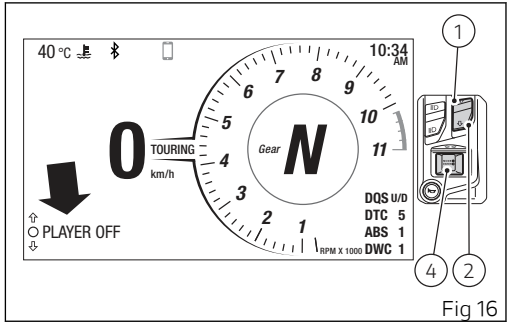


Fig 16

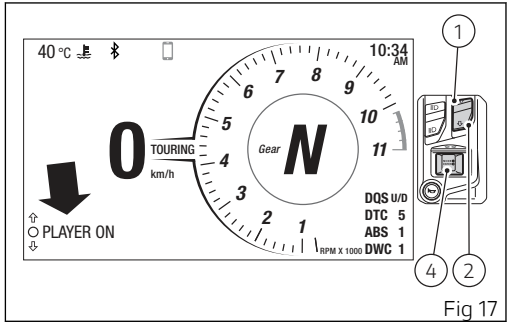


Fig 17

Music player control activation (from OFF to ON).

If the music player control is set to “OFF”, press button (4) to activate it.
With the music player control active, the display shows the title of the track currently being played on the connected smartphone (A), together with the available controls (B), and the “EXIT” indication preceded by the black arrow facing downwards (C).

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

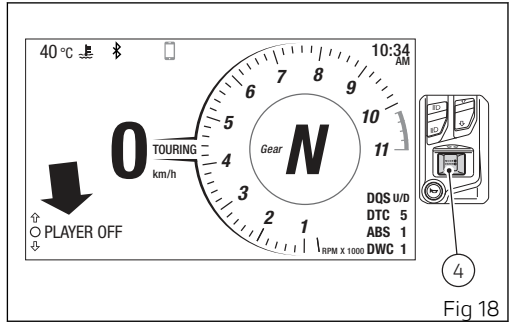


Fig 18

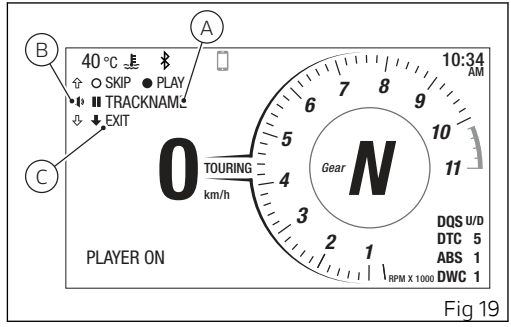


Fig 19

Music player controls

When the control is active, button (1), button (2) and button (4) are used by the instrument panel only for the music player controls. In particular:

- Play / Pause: press button (4) for 2 seconds.
- “SKIP” to next track: briefly press button (4).
- Increase volume “+”: briefly press button (1). The symbol “+” disappears while the button is being pressed to indicate that the operation has been carried out.
- Decrease volume “-”: briefly press button (2). The symbol “-” disappears while the button is being pressed to indicate that the operation has been carried out.
- “EXIT” from the music player control: press button (2) for 2 seconds.

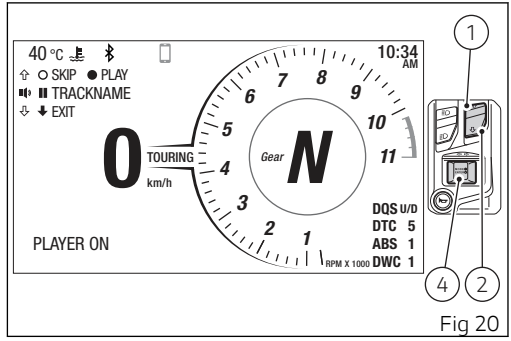


Fig 20

Play / Pause

When the track is paused (A), the display shows, to the left of the track, the symbol " ⏸ " and the black circle " ● " above, followed by the indication "PLAY", to indicate that if button (4) is pressed for 2 seconds the player will be started.

When the track is being played (B), the display shows, to the left of the track, the symbol " ▶ " and the black circle " ● " above, followed by the "PAUSE" indication, to indicate that if button (4) is pressed for 2 seconds the track will be paused.

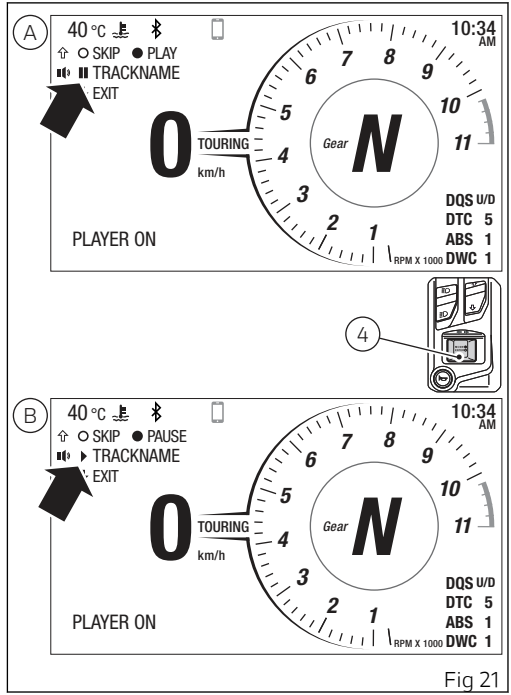


Fig 21

Exiting the active music player control (ON):

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

Then button (1), button (2) and button (4) go back to their “standard” functions for the management/ control of the instrument panel and are no longer used for the music player functions.

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

After its activation, the function “Music player management (PLAYER)” is shown within the menu as “PLAYER ON” and a black arrow up is displayed underneath the track title, followed by “PLAYER CONTROL” (B).

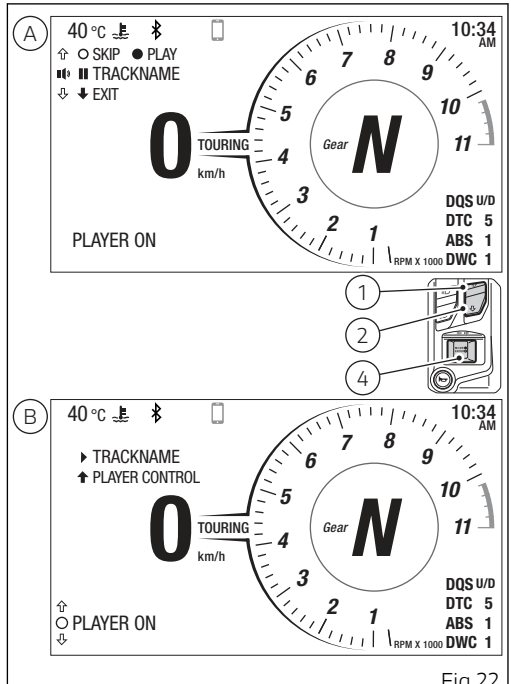


Fig 22

Reactivating the music player control (ON):

If the music player was activated and you exited the control to move to other functions, to reactivate the controls of the music player select the “Music player management (PLAYER)” (A) function in the menu and press button (1) for 2 seconds.

It is hence possible to access again to the music player control and button (1), button (2) and button (4) are used again by the instrument panel only for the music player controls (B).

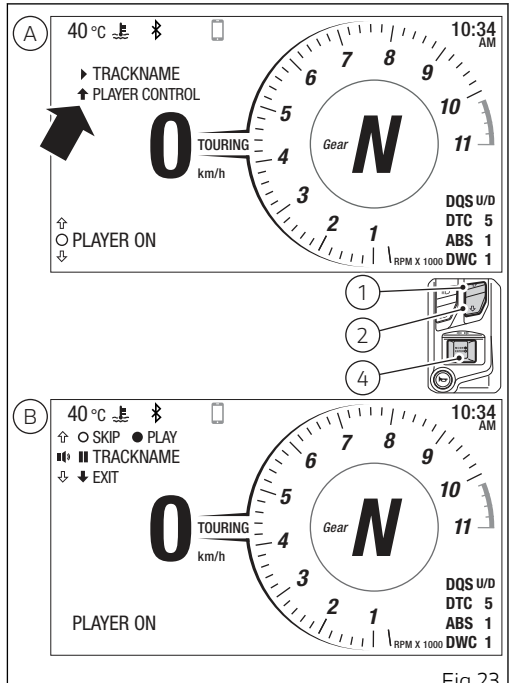


Fig 23

Music player control deactivation (from ON to OFF):

To set the music player control to “OFF” stopping also the track being played, select the PLAYER function from the menu.
The function will be indicated with the message “ON” (A), at this point press button (4).

The music player control is then set to “OFF” (B).

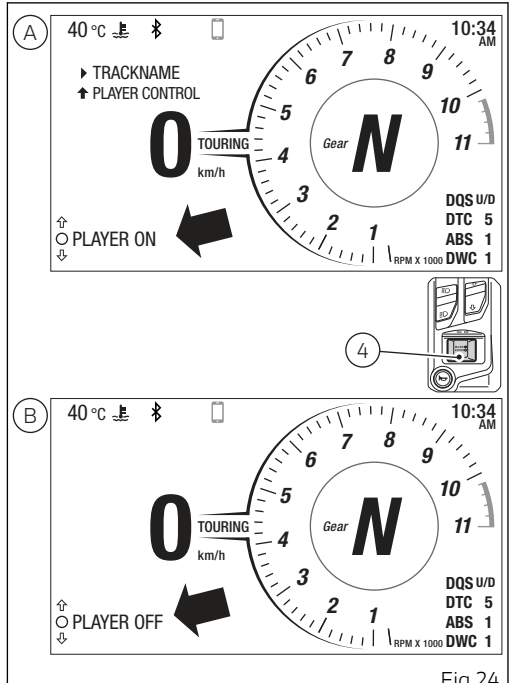


Fig 24

General Information

Acronyms and abbreviations used in the Manual

ABS	Anti-lock Braking System
BBS	Black Box System
CAN	Controller Area Network
EBC	DUCATI rear tyre Anti-locking System by ETV
DDA	DUCATI Data Acquisition
DQS	DUCATI Quick Shift
DRL	Daytime Running Lamp
DSB	Dashboard
DTC	DUCATI Traction Control
DWC	DUCATI Wheelie Control
ECU	Engine Control Unit
GPS	Global Positioning System

Warning symbols used in the manual

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

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



Attention

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



Important

Possibility of damaging the motorcycle and/or its components.



Note

Additional information about the current operation.

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

Intended use

Attention

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

Attention

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

This motorcycle carries the rider and can carry a passenger.

Attention

The total weight of the motorcycle in running order including rider, passenger, luggage and additional accessories should not exceed 375 kg / 826.73 lb.

Important

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

Rider's obligations

All riders must hold a valid licence.

Attention

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

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

Attention

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

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



Attention

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

Some states require vehicle insurance.



Attention

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

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



Attention

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



Attention

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



Attention

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

Rider's training

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



Attention

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

Apparel

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

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

- The helmet must meet the requirements listed at "Rider's obligations"; if your helmet does not have a visor, use suitable eye wear;
- Use certified, five-finger gloves made from leather or abrasion-resistant material; with knuckle protectors and reinforcements on the fingers;
- Riding boots or shoes must have non-slip soles and offer ankle protection;
- The back protector must be certified and sized based on the physical constitution of the rider, according to the manufacturer's specifications;
- Jacket, trousers or riding suit must be certified, made from leather or abrasion-resistant material and have high-visibility colours and inserts. Select products with certified protectors.

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

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

Important
Have your passenger wear proper protective clothing.

"Safety ""Best Practices"""

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

Important

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

Attention

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

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

Perform the checks recommended in this manual under “Checks before riding” before each ride.

Attention

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

Attention

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

Important

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

Important

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

Important

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

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

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

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

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

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

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

Refuelling

Fuel label

Fuel identification label

Refuel outdoors with engine off.
Do not smoke or use open flames while refuelling.
Be careful not to spill fuel on engine or exhaust pipe.
Never completely fill the tank when refuelling. Fuel should never be touching the rim of filler recess.
When refuelling, avoid breathing the fuel vapours and prevent fuel from reaching your eyes, skin or clothes.

Attention

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



Fig 25

Attention

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

Attention

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

Carrying the maximum load allowed

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



Attention

The maximum speed permitted with the side bags and top case fitted must not exceed 180 km/h (112 mph) and at any rate it must comply with the applicable statutory speed limits.



Attention

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

Information about carrying capacity



Important

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



Important

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



Important

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



Important

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



Attention

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

Refer to chapter “Tyres” in the “Technical specifications”.

Dangerous products - warnings

Used engine oil

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

Brake dust

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

Brake fluid

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

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

Coolant

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

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

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

Battery

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

Vehicle identification number

Note

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

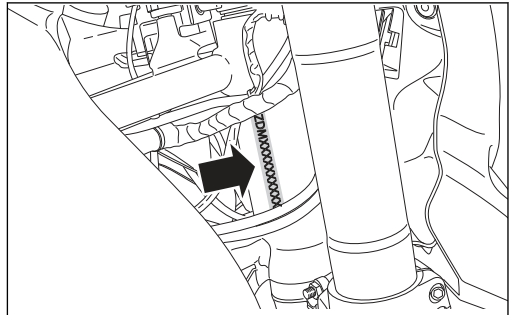


Fig 26

Engine identification number

Note

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

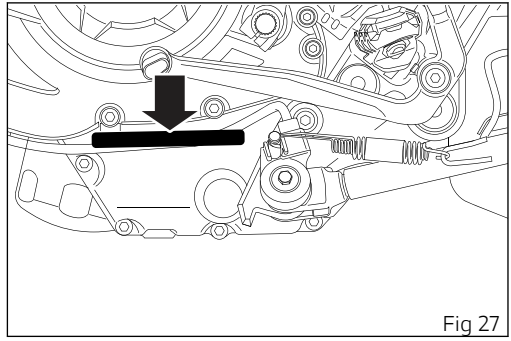


Fig 27

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.

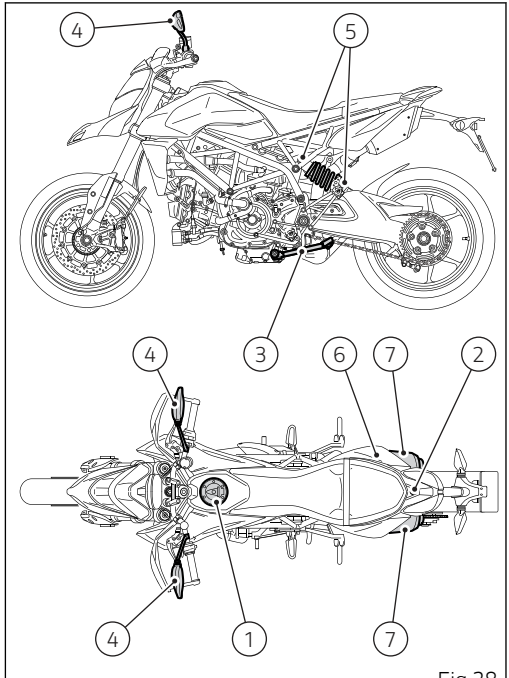


Fig 28

Tank filler plug

OPENING

Lift flap (1) and insert the key in the lock. Turn the key clockwise by 1/4 of a turn to release the lock.

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
Plug can only be closed when key is inserted.

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

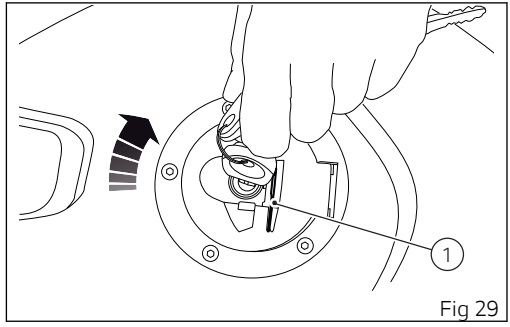


Fig 29

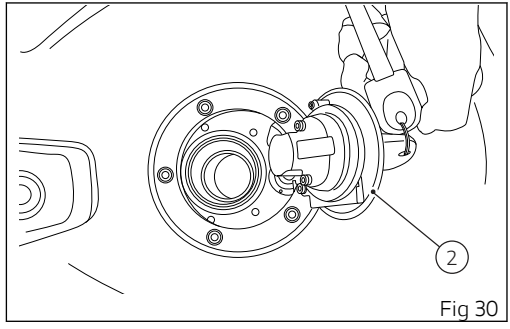


Fig 30

Seat lock

Removal procedure

Using wrench (1) on radiator RH side, loosen screw (2) retaining seat to tail guard.

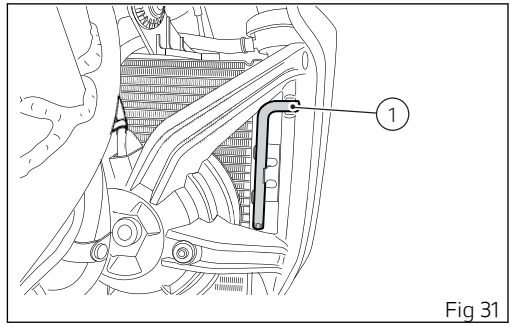


Fig 31

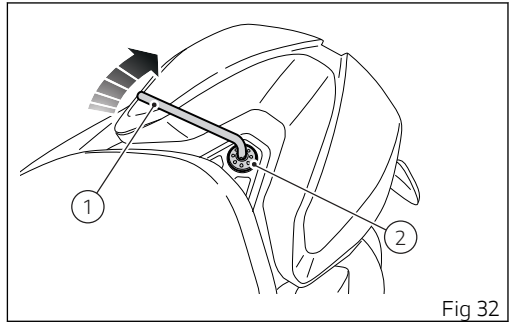


Fig 32

Remove the seat (3), sliding it at the back and up to disengage retainers (A), (B) and (C) from their seats (D), (E) and (F) on the vehicle.

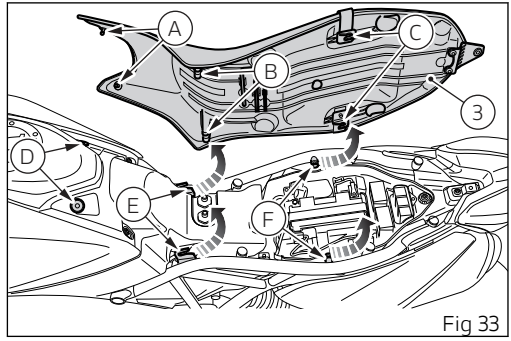


Fig 33

Refitting

Working in the opposite direction, fit the seat (3) to the vehicle, and make sure to engage retainers (B) and (C) in their seats (E) and (F); then press reference pins (A) into their seats (D).

Tighten screw (2) using wrench (1) supplied and set wrench back to its housing, on radiator RH side.

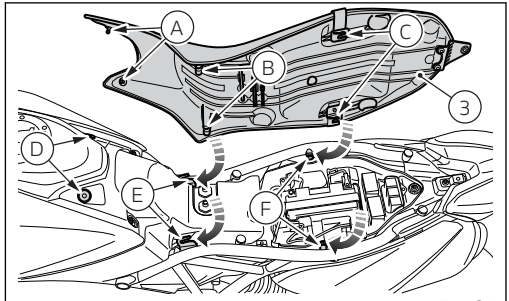


Fig 34

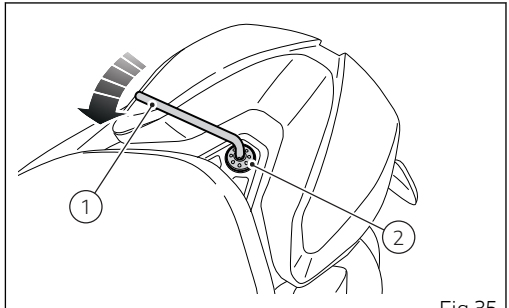


Fig 35

Maintaining the battery charge

Your motorcycle is equipped with a connector (1), under the rider seat, to which you can connect a special battery charger (2) (Battery charge maintenance kit part no. 69928471A (Europe), part no. 69928471AW (Japan), 69928471AX (Australia), 69928471AY (UK), 69928471AZ (USA), available from our sales network.

Remove the connector (1) from the clamp (A) and connect it to the battery charger (2).

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

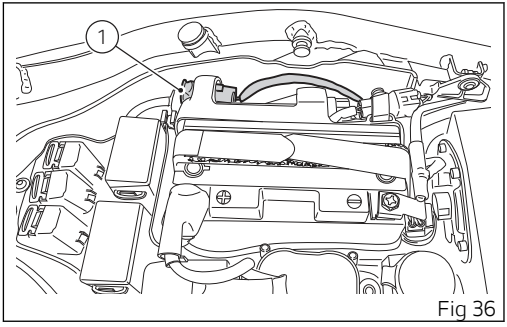


Fig 36

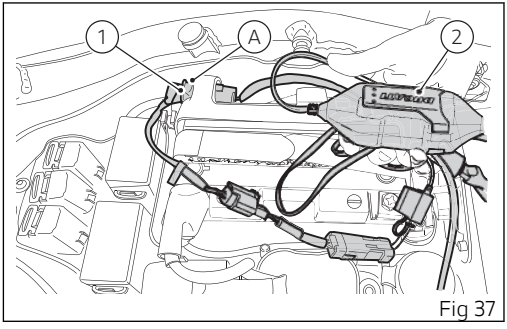


Fig 37

When the motorcycle is left unused (approximately for more than 30 days). We recommend owners to use the Ducati battery charge maintainer (Battery maintenance kit) since its electronics monitors the battery voltage and features a maximum charge current of 1.5 Ah. Connect the battery maintainer to the diagnostic socket.



Note

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



Attention

NEVER connect the battery in parallel with that of other vehicles, as this may cause a short circuit or overheating of the battery.

Side stand

Important

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

Do not park on soft or pebbled ground or on asphalt melted by the sun, etc. or else the motorcycle may fall over. When parking downhill, always position the motorcycle with the rear wheel facing downhill.
To pull down the side stand, hold the motorcycle handlebars with both hands and push down on the side stand (1) with your foot until it is fully extended. Tilt the motorcycle until the side stand is resting on the ground.
To move the side stand to its "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.

Attention

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

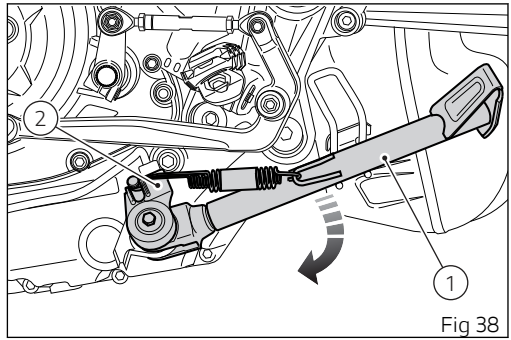


Fig 38

Note

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

Front fork adjustment

The front fork used on this motorcycle has rebound (return), compression and spring preload adjustment.
It is possible to adjust the spring preload on both legs whereas compression and rebound can only be adjusted on the LH and RH legs, respectively.

Adjustment is done by external screw adjusters:
1) for rebound adjustment;
2) to adjust the preload of the inner springs;
3) to adjust the compression damping.

Position the motorcycle on its side stand so that it is stable. Turn the adjuster (1) at the top end of the RH fork leg with a suitable screwdriver to adjust rebound damping. Turn adjuster (3) at the top end of the LH fork leg with a screwdriver to adjust compression. By turning adjuster screws (1) and (3) you will hear some clicks; each click corresponds to a damping setting.

The stiffest damping setting is obtained with the adjuster turned fully clockwise to the "0" position. By turning counter clockwise starting from this position, count the clicks that will correspond to positions "1", "2" etc.

STANDARD settings are as follows:

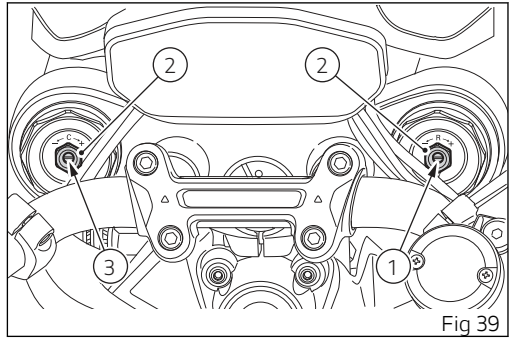


Fig 39

- compression on LH fork leg: - 2 turns from fully closed (total is 4 full turns);
- rebound on RH fork leg: - 2.5 turns from fully closed (total is 4 full turns);
- spring preload: + 5 turns from fully uncompressed (1mm (0.04in) preload for each complete turn clockwise from the reference; for a total of 10mm (0.4 in)).

To change preload of the spring inside each fork leg, turn adjuster (2) with a 17 mm (0.67 in) hexagon wrench, completely counter clockwise, to obtain fully uncompressed position. From this position, adjust

the spring preload by turning the adjuster clockwise. Every turn corresponds to 1 mm (0.04 in) of spring preload.

Attention
Adjust both fork legs to same settings.

Adjusting the rear shock absorber

The rear shock absorber has adjusters that enable you to suit the setting to the load on the motorcycle.
Adjuster (1) adjusts the damping during the rebound phase (return).
Turn adjuster (1) clockwise to stiffen the damping, or counter clockwise to soften it.
The two ring nuts (2), located in the shock absorber upper side, adjust the external spring preload. To change spring preload, slacken the upper locking ring nut.
Then TIGHTEN or SLACKEN the lower ring nut to INCREASE or DECREASE spring preload.

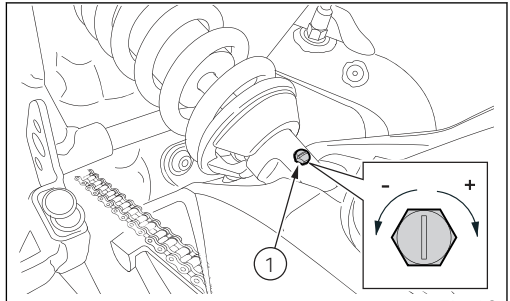


Fig 40

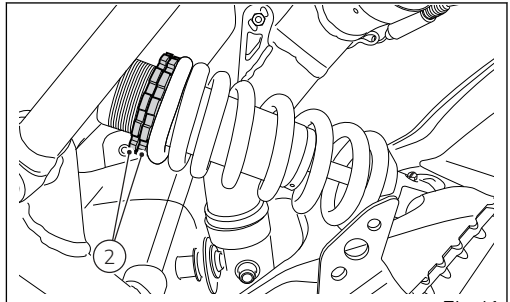


Fig 41

STANDARD setting, spring preload corresponding to value A, from the fully closed position (clockwise):

- rebound: loosen adjuster (1) by 1.5 turns from max. fully closed;
- spring preload: the maximum preload allowed corresponds to value B.

A = 22±2 mm (0.87±0.08 in);
B = 27 mm (1.06 in).

Attention
Avoid a preload exceeding the one indicated not to affect the reliability of the part.

Attention
Once the preload adjusted, re-tighten the locking ring nut against adjusting ring nut.

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 unskilled persons.

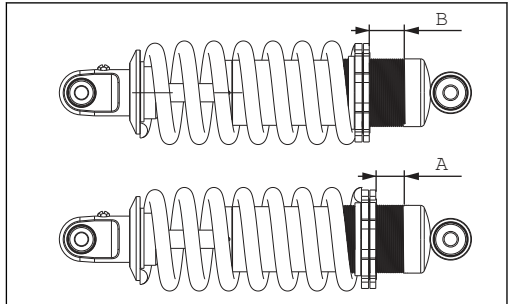


Fig 42

When carrying a passenger and luggage, set the rear shock absorber spring to proper preload to improve motorcycle handling and keep safe clearance from the ground.
You may find that rebound damping needs adjusting as well.

Controls

Position of motorcycle controls

Attention

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

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

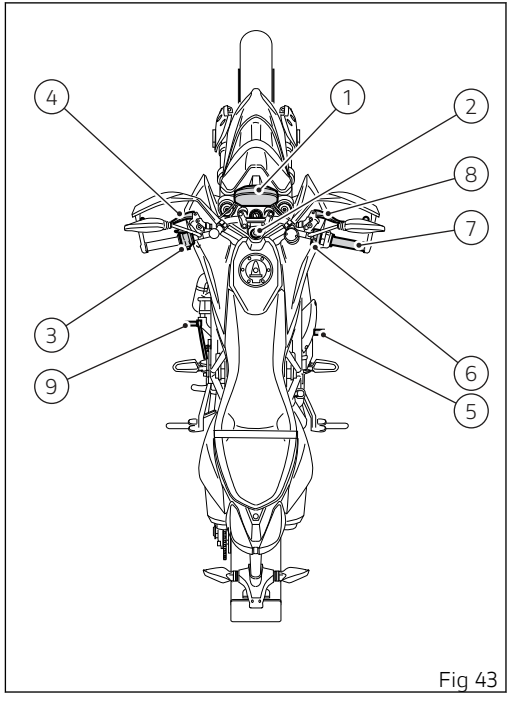


Fig 43

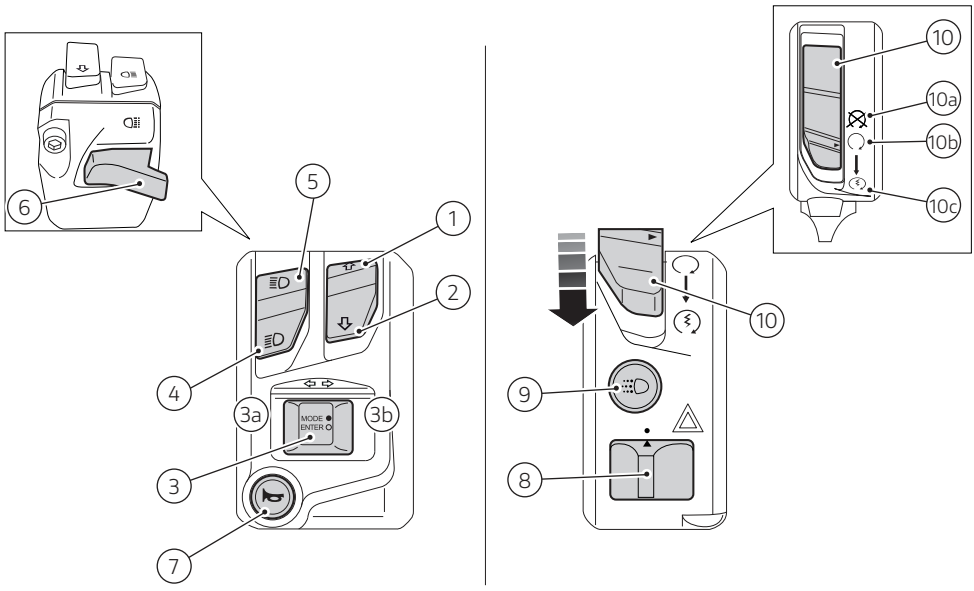


Fig 44

1	⇧	Control button up.
2	⇩	Control button down.
3	MODE ● ENTER ○ ⇦⇨	ENTER confirm menu button and turn indicator three-position switch: • position (3a), left turn indicator; • centre position, OFF; • position (3b), right turn indicator.
4		Low beam.
5		High beam.
6		High-beam flasher.
7		Warning horn.
8		Hazard lights (red).
9		DRL (if present).
10		3-position switch (red).
10a		Engine off.
10b		Running position.
10c		Engine start, pushed down.

Light control

Low/high beam (version without DRL)

At Key-On, the high beam and low beam lights are OFF: only the parking lights are turned on.
When the engine is started the low beam is automatically switched on. It is possible to switch from low to high beam and vice versa with button (7),positions (B) and (A), or flash with button (3). If engine is not started upon key-on, it is anyway possible to switch low/high beams on by pushing button (7), positions (B) and (A), or flash with button (3) 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).

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

Low/high beam (version with DRL)

At Key-On, the high beam and low beam lights are OFF: only the parking lights and the DRL light are turned on.

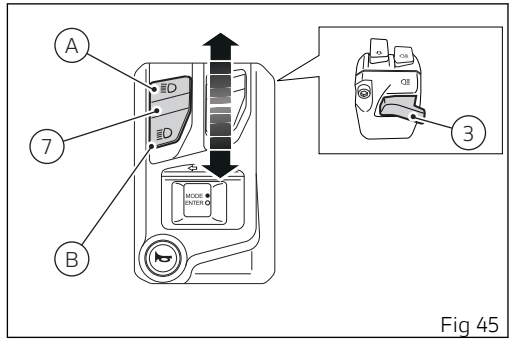


Fig 45

After starting the engine the low beam is automatically switched on if the AUTO mode is set and the instrument panel detects poor ambient light (NIGHT): if, on the other hand, the instrument panel detects good light conditions (DAY), the DRL light remains on and the low beam remains off.
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).

It the low beam is activated, it is possible to switch on the high beam with button (7, Fig 45) position (A), or flash with button (3, Fig 45).

If engine is not started upon key-on, it is anyway possible to switch low/high beams on by pushing button (7, Fig 45) positions (B) and (A), or flash with button (3, Fig 45) on LH switch.

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

DRL (Daytime Running Light) in AUTO mode – only for version with DRL lights

If the DRL was set to AUTO via the setting menu, the instrument panel automatically manages (according to detected ambient light) the DRL and the low beam:

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

In this mode, the instrument panel automatically switches from DRL to low beam and vice versa, depending on detected ambient light. When the DRL is on and set to AUTO mode, the display shows the green warning light (A).

Attention

Using the DRL light in AUTO (automatic) mode in case of poor light conditions, especially in case of fog or clouds, could impair safety: in this case DUCATI recommends to manually activate the low beam.

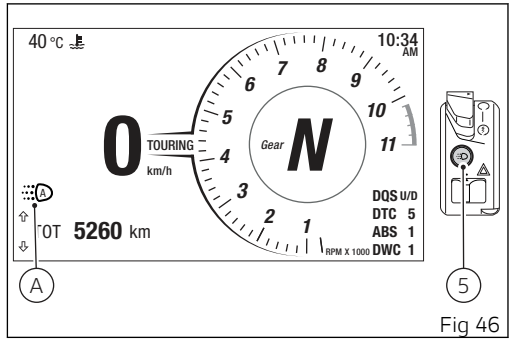


Fig 46

If the DRL was set to AUTO mode via the setting menu, press button (5) to disable that mode and set a “normal” light management. Press again button (5) to re-enable DRL but with control strategy set to MANUAL.
In this case, upon Key-Off and Key-On, DRL will be again set to AUTO mode.

DRL in Manual mode – only for version with DRL light

If the DRL light is in this mode, because set through the setting menu (page 199), it does not change its status when the engine is started.
To switch on or off the DRL light, it is necessary to press button (5, Fig 46).

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

Note
Using the DRL light during the day improves visibility as it is easier to perceive by those coming on the opposite side compared with the low beam.

Turn indicators

The instrument panel manages the turn indicators in manual or automatic mode according to what set through the setting menu - see chapter “Setting menu - turn indicator mode setting (Turn Indicators)” on page 201.

Manual switch-off:

After activating one of the two turn indicators, the user can deactivate them using button (4).

Automatic switch-off:

Automatic switch-off:
The turn indicators switch off automatically after the turn, as calculated based on vehicle speed, lean angle and in general according to the analysis of vehicle dynamic conditions.

If the turn indicator switch is again operated, while turn indicator is still on, automatic switch-off feature is re-initialised.

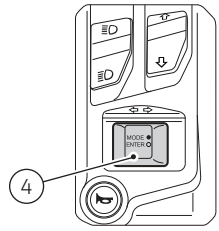


Fig 47

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

Hazard function (4 turn indicators)

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

If during the Key-On the Hazard function has been activated, it will carry on working also after the Key-Off.
If the function is active in Key-Off, its deactivation is carried out only automatically after 120 minutes.
In Key-Off it is not possible to activate the Hazard function.

Note
If user performs a Key-ON while the "Hazard" function is still active, the function will remain ON (temporary turn indicator control interruption is allowed during the instrument panel initial check routine).

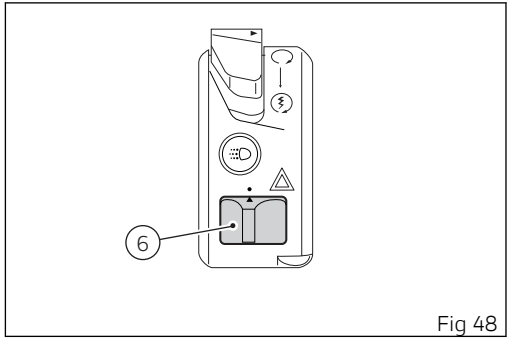


Fig 48

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

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

Keys

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

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

Attention

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

Duplicate keys

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

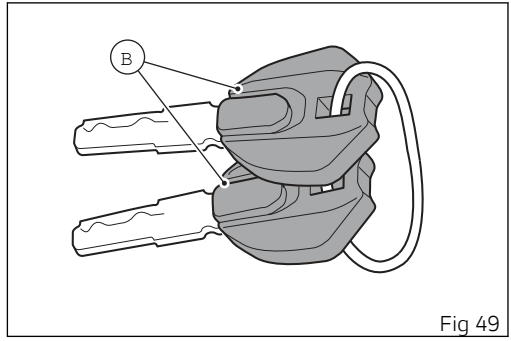


Fig 49

Note

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

Immobilizer system

To further improve the anti-theft protection, the motorcycle is equipped with an engine electronic block system (IMMOBILIZER) that is automatically activated every time the instrument panel is switched off.
Inside of each key handgrip there is an electronic device that modulates the signal sent by a special

antenna integrated in the ignition switch upon starting.
Such modulated signal represents the "password", that changes upon every starting, that allows the control unit to acknowledge the key and thus starting the engine.

Key-operated ignition switch and steering lock

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

A) ○ : enables lights and engine operation;
B) ⊠ : disables lights and engine operation;
C) 🔒 : the steering is locked;
D) ⊧≡ : parking light and steering lock.

Note

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

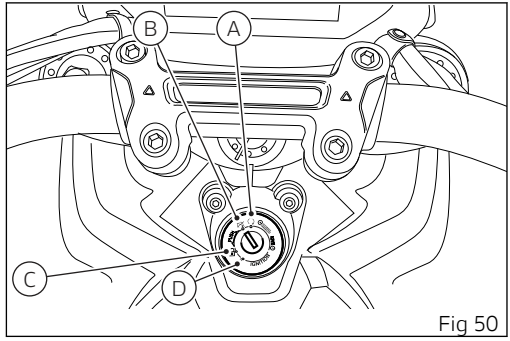


Fig 50

Restoring motorcycle operation via the PIN CODE

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

Entering the code:

1) Each time you press the button (1) the displayed number increases by one (+ 1) up to "9" and then starts back from “0”;
2) Each time you press the button (2) the displayed number decreases by one (- 1) up to "0" and then starts back from "9";
3) 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:

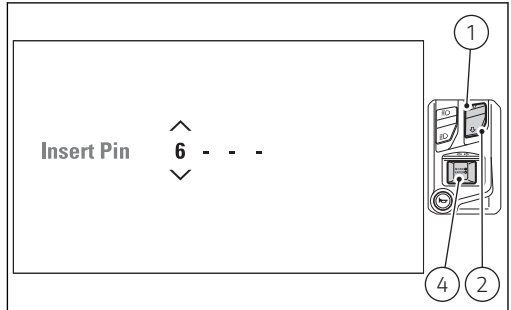


Fig 51

- if there is a problem during the PIN code check, the instrument panel displays “ERROR” for 2 seconds and then passes to the standard screen.
- if the PIN is not correct, the instrument panel displays WRONG for 2 seconds and then goes back to the “Insert Pin” indication with spaces to enter again the four digits of the Pin code.
- if the PIN CODE is correct, the instrument panel shows CORRECT for 2 seconds, and then displays the "standard screen".

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

Clutch lever

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

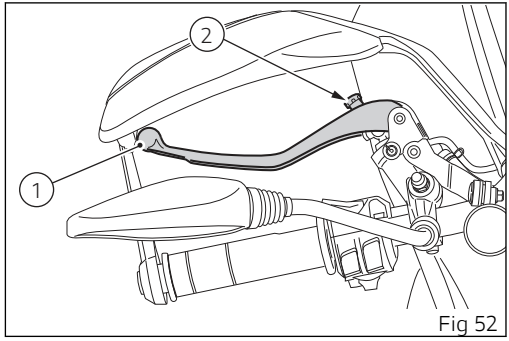


Fig 52

Attention

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

Attention

Set front brake (clutch) lever when motorcycle is stopped.

Throttle twistgrip

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

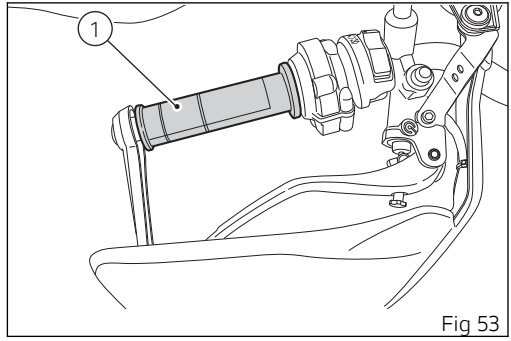


Fig 53

Front brake lever

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

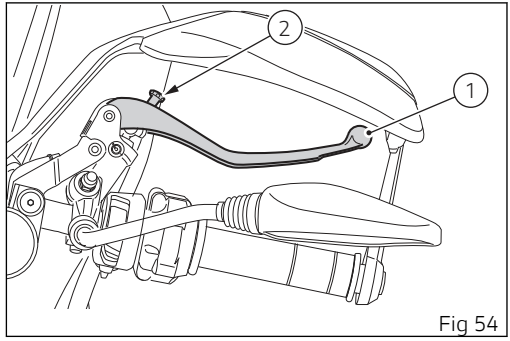


Fig 54

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 control system is of the hydraulic type.

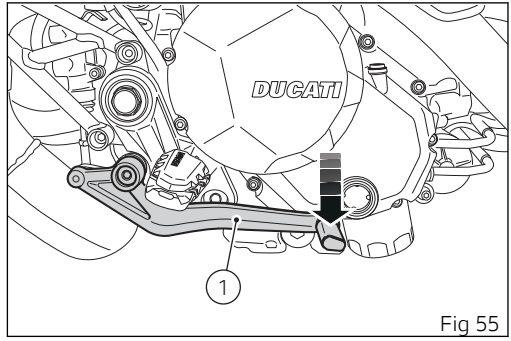


Fig 55

Gear change pedal

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

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

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

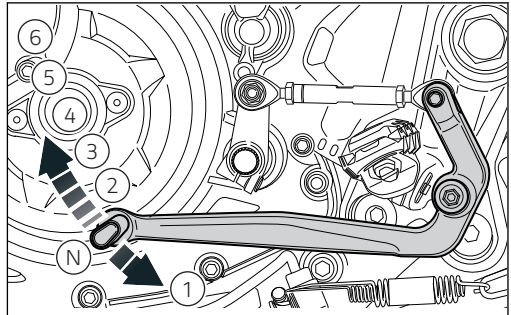


Fig 56

Adjusting the position of the gearchange pedal and rear brake pedal

The position of the gearchange (1) and rear brake (2) pedals in relation to the footrests can be adjusted to suit the requirements of the rider.

Have the gear change pedal (1) and rear brake pedal (2) adjusted at a Ducati Dealer or authorised Service Centre.

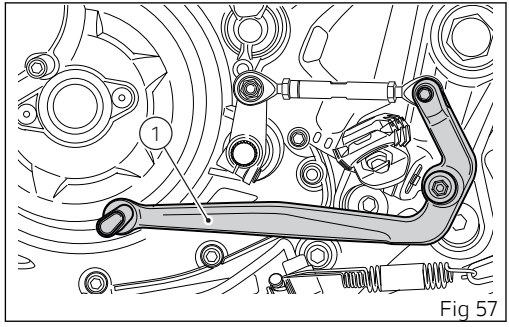


Fig 57

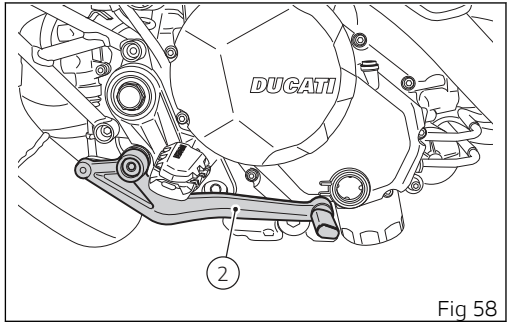


Fig 58

Riding the motorcycle

Motorcycle running-in period

During the running-in period, do not exceed the rpm indicated in the table below:

Maximum engine rpm not to be exceeded for the first period of use	
Up to 1,000 Km (621 mi)	6,000 rpm

Running-in recommendations:

- During the first few hours of riding, it is advisable to vary the load and engine speed continuously when the engine is warm, while remaining within the limit indicated in the table.
- During intensive use always shift down a gear to prevent the engine from overloading.
- Do not run the engine at high rpm for a long time, particularly when riding uphill; shifting up a gear reduces fuel consumption and noise.
- Avoid riding at constant speed, either slow or fast, for a long period of time.
- Do not ride at full throttle, especially when the engine is cold.
- Avoid starting at full throttle and rapid acceleration.
- Avoid abrupt and prolonged braking, act carefully on the brakes.
- Check the drive chain frequently. Lubricate as required.

Important

Before using the motorcycle, check for no labels on the rear-view mirrors; otherwise remove them.

Pre-ride checks

Attention

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

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

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

ABS light

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

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

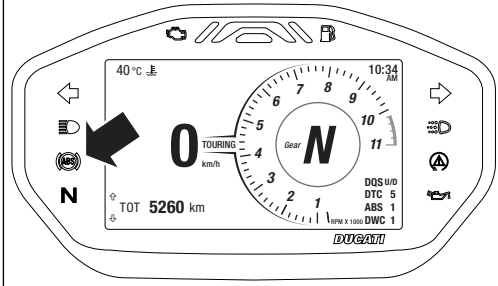


Fig 59

ABS device

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

Attention

Clogged reading slots would compromise system proper operation.

Attention

Prolonged wheelies could deactivate the ABS system.

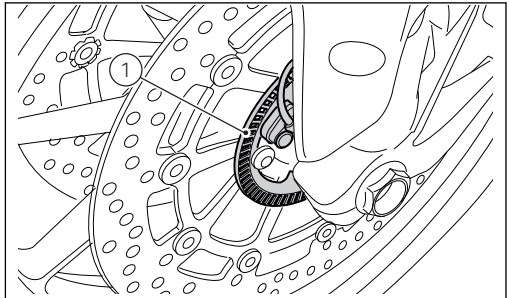


Fig 60

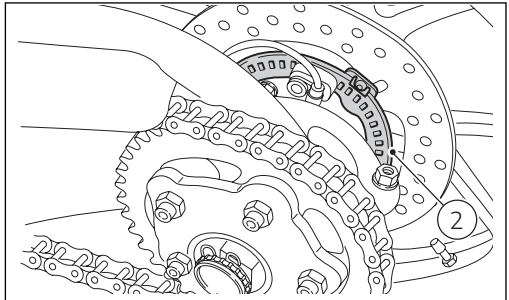


Fig 61

Engine start/stop

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.

Switching

Turn the key to (A) ↺ .
Make sure both the green light N (1) and the red light (2) on the instrument panel come on.

Important

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

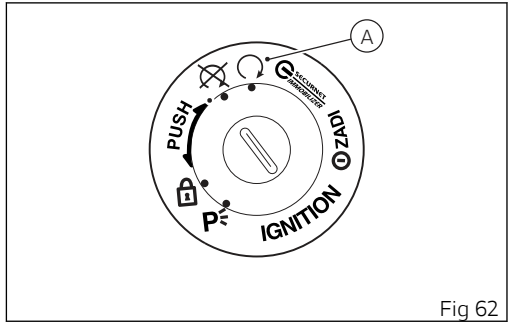


Fig 62

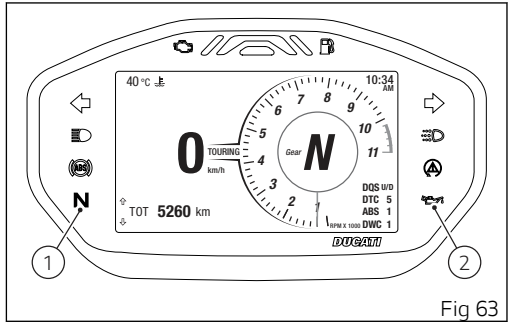


Fig 63

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

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

Make sure that emergency start/stop switch (3), is set to (B) ↺ .
Move the switch (3) to the bottom (C) ⏲ and release it.
Let the motorcycle start without operating the throttle control.

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

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

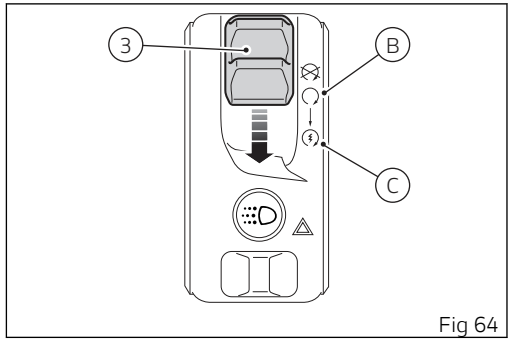


Fig 64

Attention
Keeping the engine running for too long with the vehicle stationary may cause damage due to overheating caused by insufficient cooling. Do not run the engine unnecessarily while the vehicle is stationary. Move immediately after starting the engine.

Switching off

Move the switch (3) upwards to (D) .

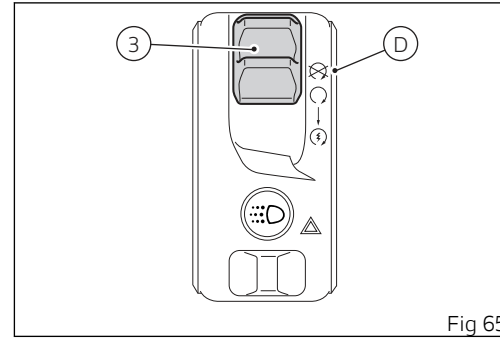


Fig 65

Moving off

1) Lift the side stand until it is horizontal.
2) Squeeze the control lever to disengage the clutch.
3) Push down on gear change lever sharply with the tip of your foot to engage the first gear.
4) Speed up the engine by turning the throttle twistgrip while gradually releasing the clutch lever; the motorcycle will start moving off.
5) Let go of clutch lever and speed up.
6) To shift up, close the throttle to slow down engine, disengage the clutch, lift the gear change lever and let go of clutch lever.

To shift down, proceed as follows: release the twistgrip, pull the clutch lever, shortly speed up to help gears synchronise, shift down (engage next lower gear) and release the clutch.
The controls should be used correctly and timely: when riding uphill do not hesitate to shift down as soon as the motorcycle tends to slow down, so you will avoid stressing the engine and the motorcycle abnormally.

Attention

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

Attention

Prolonged wheelies could deactivate the ABS system.

Braking

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

Anti-Lock Braking System (ABS)

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

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

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

This avoids wheel lockup and preserves traction. Pressure is raised back up immediately and the control unit keeps controlling the brake until the risk of a lockup disappears.

Normally, the rider will perceive ABS operation as a harder feel or a pulsation of the brake lever and pedal.

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

Attention

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

Stopping the motorcycle

Reduce speed, shift down and release the throttle twistgrip.
Shift down to engage first gear and then neutral.
Apply the brakes and bring the motorcycle to a complete stop.
To switch the engine off, simply turn the key to position (2).

Important

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

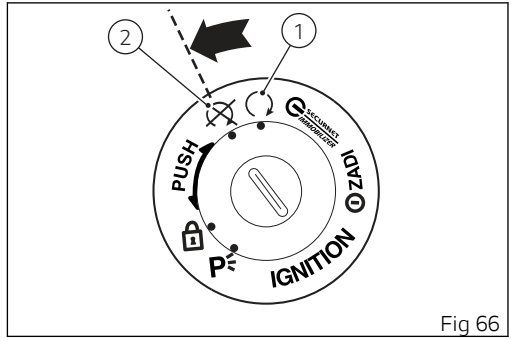


Fig 66

Parking

Park the stopped motorcycle on the side stand. To prevent theft, turn the handlebar fully left and turn the ignition key to position (3). If you park in a garage or other indoor area, make sure that there is proper ventilation and that the motorcycle is not near a source of heat. You may leave the parking lights on by turning the key to position (4).

Important

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

Attention

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

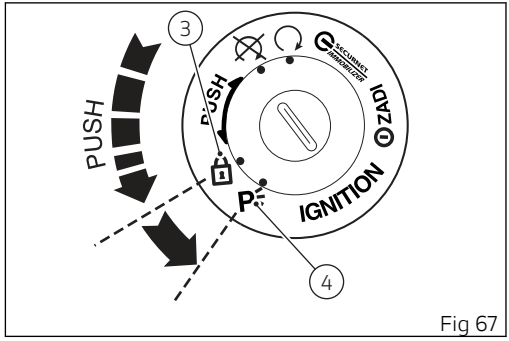


Fig 67

Attention

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

Refuelling

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

Warning

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

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

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

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

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

Attention

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

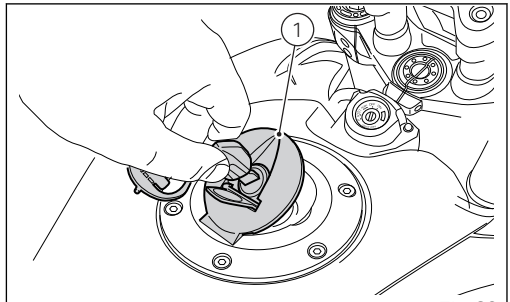


Fig 68

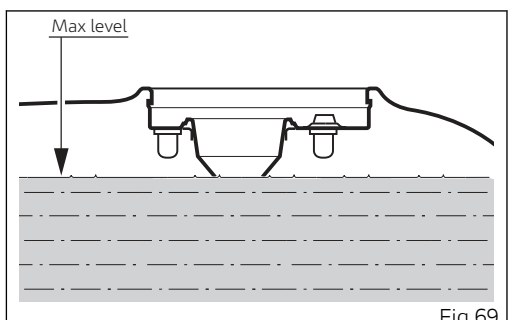


Fig 69

Attention

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

Fuel label

The label in figure identifies the fuel recommended for this vehicle.

1) The E5 reference inside the label indicates the use of fuel with a maximum oxygen content of 2.7% by weight and a maximum ethanol content of 5% by volume, according to EN 228.
2) The E10 reference inside the label indicates the use of fuel with a maximum oxygen content of 3.7% by weight and a maximum ethanol content of 10% by volume, according to EN 228.

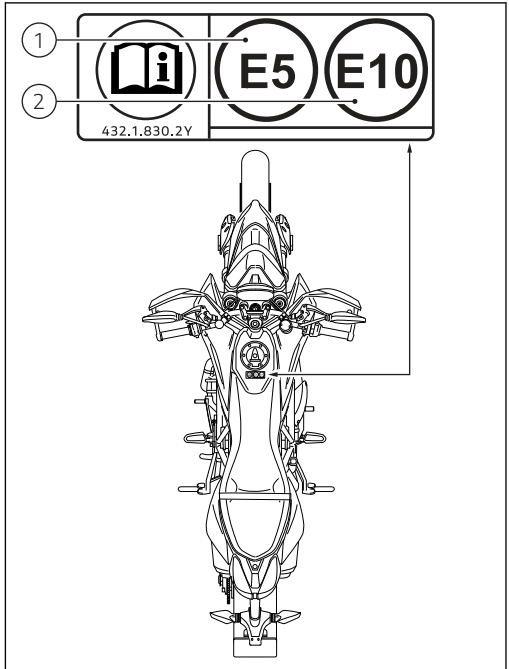


Fig 70

Tool kit and accessories

Supplied accessories are laid out in the most convenient positions for their use.

Under the seat (1) you find:

- 3 mm Allen wrench (2);
- 5 mm Allen wrench (3);
- flat-blade/Phillips screwdriver (4).

To reach them, remove the seat page 57.

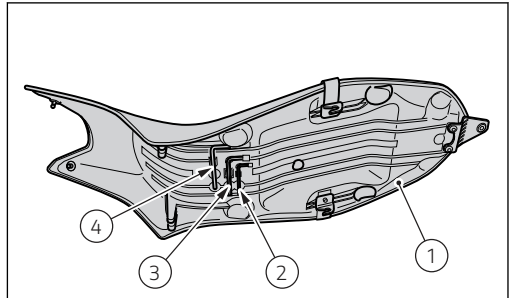


Fig 71

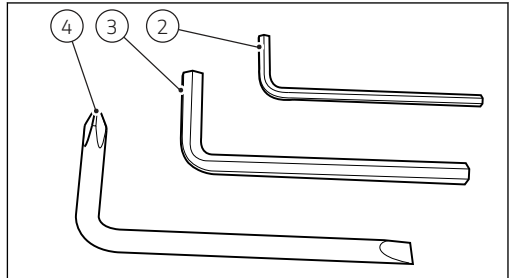


Fig 72

The fuse pliers (5) are fixed next to the fuse boxes. The Torx wrench (6) for removing the seat is fixed on vehicle RH side, close to radiator back side.

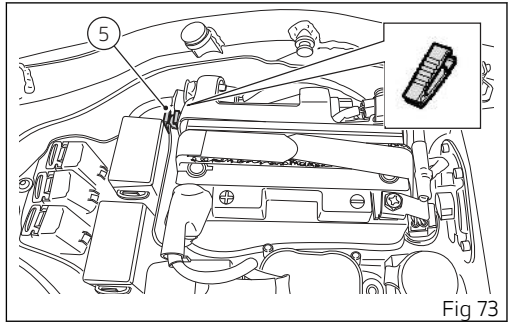


Fig 73

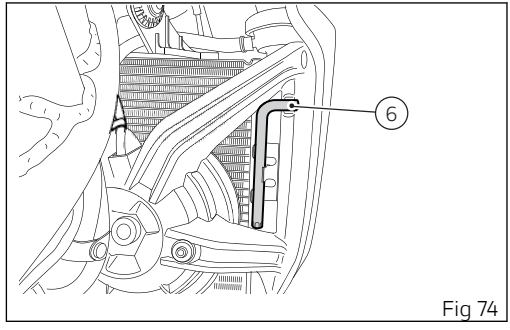


Fig 74

A socket wrench (7) 14x16x145 to remove the spark plugs tops off the tool kit.

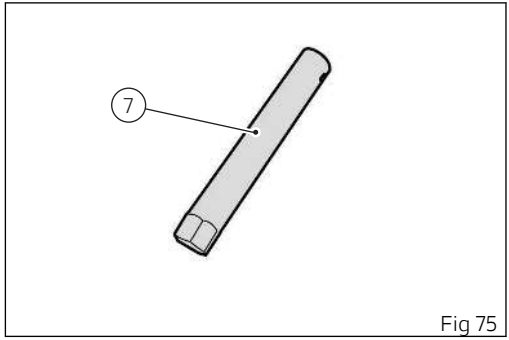


Fig 75

Instrument panel (Dashboard)

Instrument panel

The motorbike is equipped with an instrument panel featuring a 4.3" TFT colour display.

The instrument panel provides all the information needed for safe driving and allows you to customise the vehicle settings and parameters.

Warning lights

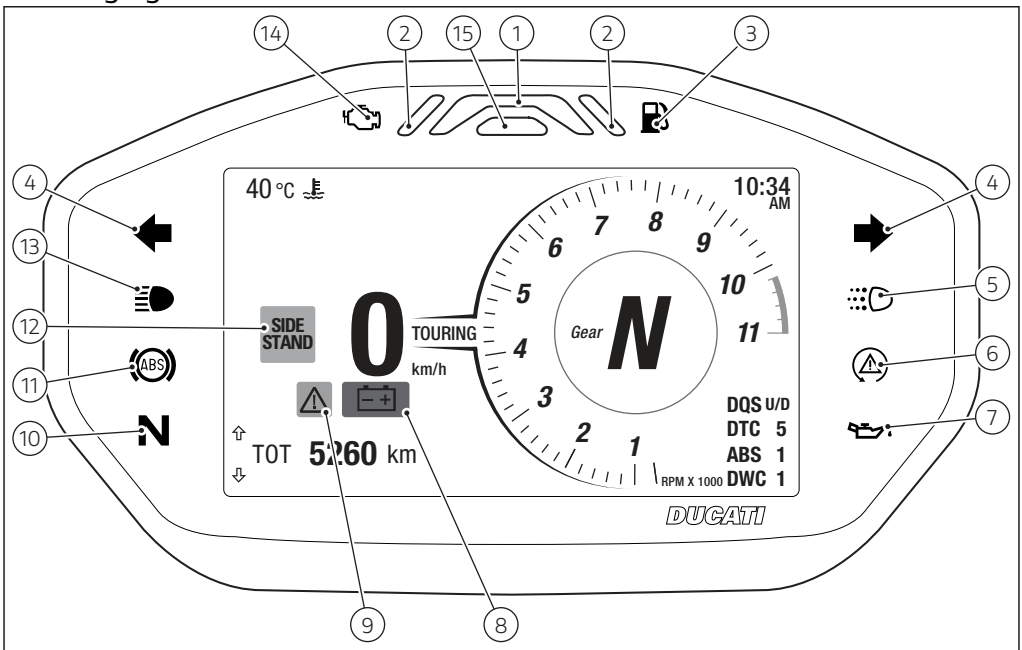


Fig 76

no.	Description	Colour
1	Rev limiter / immobilizer	Red
2	Rev limiter	Red
3	Low fuel	Amber yellow
4	Turn indicators	Green
5	DRL – daytime riding lights on (not present in China and Canada versions)	Green
6	DTC/DWC status • flashing: DTC/DWC enabled, but with degraded performance; • on: DTC/DWC disabled and/or not functioning due to a fault in the control unit.	Amber yellow
7	Engine oil low pressure **Important** If the ENGINE OIL light stays ON, stop the engine or it may suffer severe damage.	Red
8	Low battery charge level	Red (display)
9	Generic error	Amber yellow (display)
10	Neutral gear	Green
11	ABS status • flashing: ABS in self-diagnosis and/or functioning with degraded performance;	Amber yellow

no.	Description	Colour
	• on: ABS disabled and/or not functioning due to a fault in the ABS control unit.	
12	Side stand	Red (display)
13	High beam on	Blue
14	MIL • The warning light turns steady on in case of error in engine management. Proceed slowly, avoid harsh acceleration and overtaking, take the vehicle to a Ducati authorised service centre to eliminate the malfunction. • The warning light turns on flashing to warn about a critical emission-related error that could damage the catalytic converter. If possible, have the vehicle be taken to a Ducati authorised service centre and the malfunction eliminated and at any rate proceed slowly, avoid harsh acceleration and overtaking.	Amber yellow
15	DTC/DWC intervention	Amber yellow

Important

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

Upon key-on, the instrument panel displays the Ducati logo and carries out a sequential check of the LED warning lights.
After this routine, the instrument panel displays the main page in the mode in use before last Key-Off.

During this check stage, if the motorcycle speed exceeds 5 km/h (3 mph), 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.

Main page items

The main screen displays all the information and elements needed for riding.
It is possible to change units of measurement through the “Units” function in the “Setting menu” (page 184)

The table lists the available items.

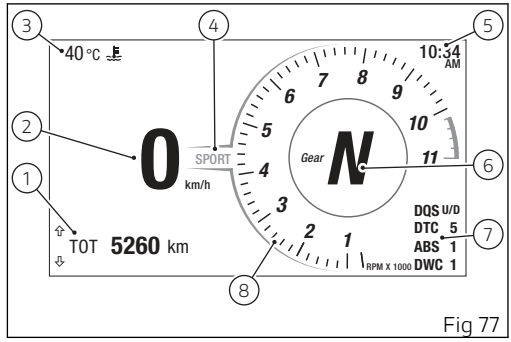


Fig 77

no.	Description
1	Function menu Refer to “Function menu” (page 119).
2	Speed It is displayed increased by 5% and together with the set unit of measurement (km/h or mph).
3	Engine Coolant temperature (°C or °F) The temperature display range goes from +40 °C to +120 °C (+104 °F ÷ +248 °F). If the temperature is below +40°C (+104°F), “LO” is displayed, whereas if it is above +120 °C (+248 °F), “HI” is displayed flashing. **Attention** In case of overheating, if possible, it is recommended to ride at reduced speed to allow the cooling system to lower the engine temperature. If this is not possible due to traffic conditions, stop and turn the engine off. If the motorcycle continues to be used when the engine is overheated, severe damage may occur. When the engine temperature returns to normal, continue riding by frequently checking the instrument panel indication.
4	Riding Mode in use Refer to “Riding Mode” (page 113).
5	Clock It is possible to set it through the "Date and Clock" function in the "Setting menu" (page 178).
6	Gear

no.	Description
7	Parameters window It displays the values of the DQS (if present), DTC, ABS, DWC parameters set for the current Riding Mode. In case of errors on one or more parameters, “Err” is displayed instead of the relevant value.
8	Rev counter Refer to “Engine rpm indication” (page 118)

Riding Mode

The Riding Mode can be selected from the instrument panel. Three preset riding modes are available: SPORT, TOURING, URBAN.
The selected and active riding mode is displayed in the central part of the display, between the speed value and the rev counter.

A dedicated page is associated with every riding mode.
The differences between the pages are the name and colour of the riding mode specified at the centre of the display and the colour of the rpm box:

- red for the SPORT Riding mode (A)
- black in DAY mode or white in NIGHT mode (see page 176) for the TOURING riding mode (B)
- grey for the URBAN riding mode (C)

Every Riding Mode contains the following parameters, set by Ducati or customised by the user through the setting menu pages:

- a specific level of intervention for the DTC traction control (1, 2, 3, 4, 5, 6, 7, 8, OFF
- a specific ABS calibration (1, 2, 3)
- a specific engine power ENGINE (HIGH, MEDIUM, LOW) that modifies APS response (Accelerator Position Sensor)

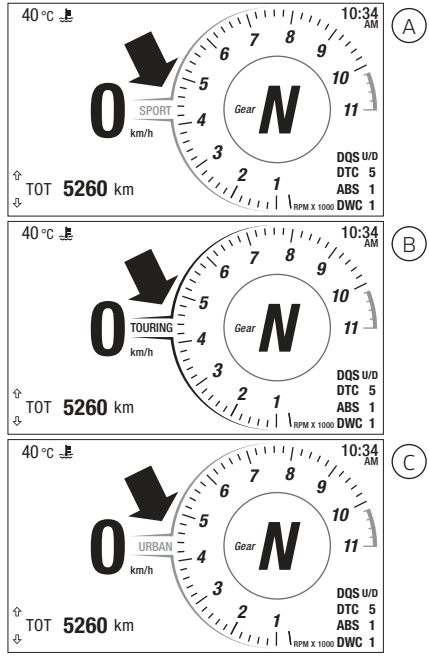


Fig 78

- a specific DQS quick shift (if any) gearbox calibration, if active within the BBS (UP, DOWN, UP/DOWN, OFF)
- a specific level of intervention for the wheelie control DWC (1, 2, 3, 4, 5, 6, 7, 8, OFF)

Riding mode change function

This function allows changing vehicle riding modes in static and dynamic conditions. There are three possible riding modes: SPORT, TOURING, URBAN. To select the riding mode, press button (4) and hold it for 1 second.
The instrument panel still displays the speed indication on the right-hand side, while the left-hand side of the display lists the following:

- < Exit
- SPORT
- TOURING
- URBAN
- < Exit

When entering this function, the current riding mode is highlighted.
Use buttons (1) and (2) to scroll through the items in the list.
Select "< Exit" and press button (4) to quit the page without actually implementing the riding mode change.
When scrolling the riding modes, the parameters and their currently set values for the selected riding mode are shown at the centre of the display: Engine, DTC, ABS, DWC, DQS (if any).

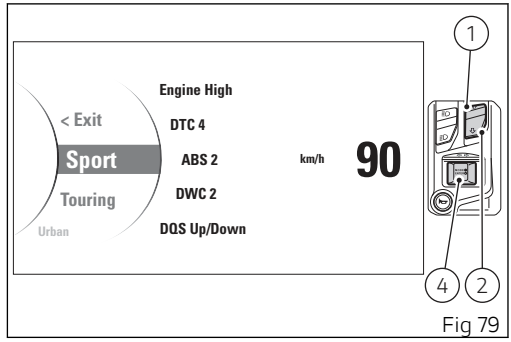


Fig 79

To set the selected riding mode, press button (4).

If vehicle speed is lower than or equal to 5 Km/h (3 mph) the instrument panel checks the throttle position only:

- if throttle is "closed", the instrument panel will confirm the selected riding mode, the name of riding mode flashes for 3 seconds and instrument panel goes back to “standard page” displaying;
- if throttle is "open" the instrument panel activates the "Close throttle" (A) indication; only when throttle is "closed" the new selected riding mode is confirmed and memorised, and the instrument panel goes back to "standard page" displaying.

If vehicle speed is higher than 5 Km/h (3 mph), the instrument panel checks the throttle position and the front and rear brake pressure:

- if throttle is "closed" and brakes are released, the instrument panel confirms the selected riding mode, the name of the riding mode flashes for 3 seconds and goes back to "standard page" displaying;
- if throttle is "open" the instrument panel activates the "Close throttle" (A) indication; only when throttle is "closed" the new selected riding

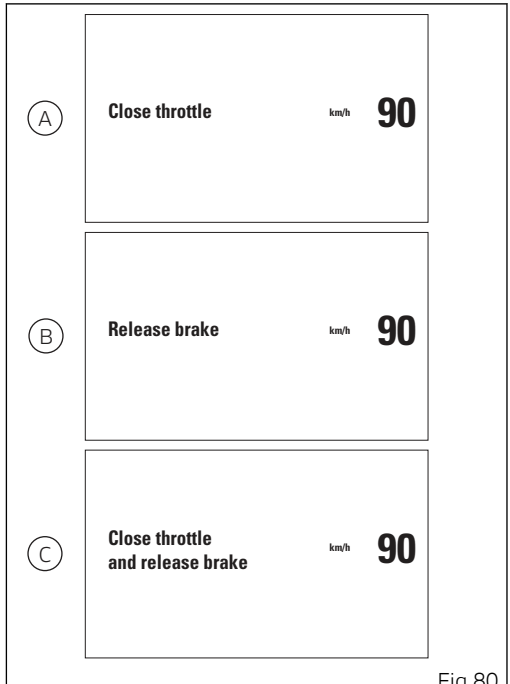


Fig 80

mode is confirmed and memorised, and the instrument panel goes back to "standard page" displaying;

- if throttle is "closed" but brakes are operated, the instrument panel activates the "Release brakes" (B) indication and only when brakes are released the new selected riding mode is confirmed and memorised, and the instrument panel goes back to standard page displaying;
- if throttle is "open" or if brakes are operated and vehicle is moving, the instrument panel shows "Close throttle and release brakes" (C) and, only after all conditions are met (closed throttle and brakes released or vehicle stopped) the instrument panel confirms and memorises the new selected riding mode and goes back to "standard page" displaying.

If the above-described conditions for “validating” the change of riding mode are not observed within 5 seconds from when “Close Throttle” or "Release brakes" or “Close throttle and release brakes” indications, the selection procedure will be aborted and the instrument panel will go back to displaying the page active before riding mode selection started, and no settings will be changed.

Engine rpm indication

The engine rpm is displayed using a rev counter featuring a grey wake (A).
During the first 1000 km (600 mi) of the odometer (vehicle running-in period), or up to the first service, a virtual engine rpm limiter is set and is indicated when the wake becomes amber yellow.
After the break-in period or after the first inspection, the virtual limiter indicates and advises the rider to ride at lower revs when the engine is cold. The virtual limiter threshold changes according to engine temperature: if the engine temperature is below 50 °C (122 °F), the rpm threshold is 6700 rpm.

When the wake becomes amber yellow and starts blinking, the instrument panel is warning the rider to shift up.
The wake becomes flashing red when the rev limiter trips: in this case the rev limiter turns on, too.
If the number of rpm is lower than 1,000 rpm, the wake is not displayed.

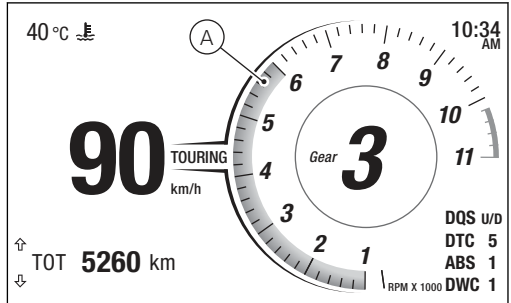


Fig 81

Attention

Your motorcycle is equipped with a rev limiter which limits the engine speed to approximately 3000 rpm when the engine is in neutral with the clutch released. This is to prevent excessive noise pollution and also to avoid reaching engine speeds that are harmful to the engine without load.
When this limiter comes into operation the revs will be limited and there will be a flashing Overrev indication on the instrument panel. When the clutch is pulled, this function is not active.

Function menu

The “Info display” menu contains all available meters with travel information (A, Fig 82).
To select the "Info display" menu, press and hold the button (2) for a long time.
Once you have selected the “Info display” menu, scroll through the list of information using the buttons (1) and (2).

The units of measurement of the trip information can be changed using the “Measurement units” function in the “Setting menu” (page 119).

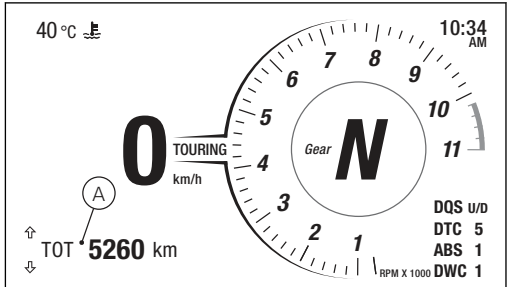


Fig 82

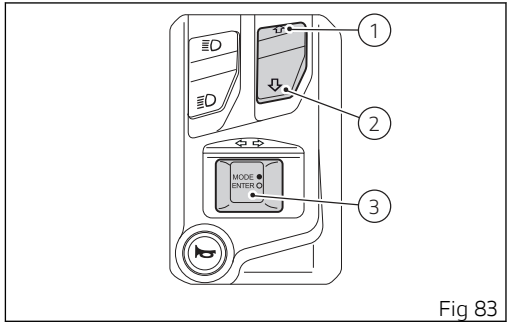


Fig 83

Following are the available functions.

Name	Description	Measurement units / format
TOT	Total odometer	km, miles
TRIP 1	Partial mileage 1	km, miles
CONS.AVG 1	Average consumption 1	L/100, km/l, mpg UK, mpg US
SPEED AVG 1	Average speed 1	km/h, mph
TRIP TIME 1	Travel time 1	hhh:mm
T AIR	Air temperature  **Note** When the motorcycle is stopped, the engine heat could influence the displayed temperature.	°C, °F

Name	Description	Measurement units / format
TRIP FUEL	Residual range Visible only when the vehicle is in reserve. When the low fuel warning light turns on, the display automatically shows the TRIP FUEL regardless of the currently displayed function. It is anyway possible to toggle through the other Function menu functions. Trip fuel reading remains stored even after Key-Off until the motorcycle is refuelled. The function is disabled automatically as soon as fuel is topped up to above minimum level.	km, miles
TRIP 2	Partial mileage 2	km, miles
CONS.	Instantaneous fuel consumption	L/100, km/l, mpg UK, mpg US
PLAYER OFF/ON	Player management, active only if the Bluetooth module is available and one smartphone is connected. Refer to “Music” (page 36).	
LAST CALLS	Call management, active only if the Bluetooth module is available and one smartphone is connected. Refer to “Phone” (page 30).	

Name	Description	Measurement units / format
HEATING GRIPS	Heated handgrips (accessory) Refer to chapter “Heated handgrips” (HEATING GRIPS) (page 124).	
SETTING MENU	Setting menu Refer to chapter “Setting menu” (SETTING MENU) (page 126).	

Resetting TRIP 1 information

The trip information “TRIP 1”, “CONS.AVG 1”, “SPEED AVG 1” and “TRIP TIME 1”, when selected, can be reset by pressing the ENTER button (3): the message “RESET?” is displayed (Fig 84).
To confirm, press the ENTER button (3). To exit without making any changes, press button (1) or (2). Resetting one of these trip information items also resets the others.

Resetting TRIP2 information

The “TRIP 2” information, when selected, can be reset by pressing the ENTER button (3): “RESET?” will be displayed (Fig 85).
To confirm, press the ENTER button (3). To exit without making any changes, press button (1) or (2).

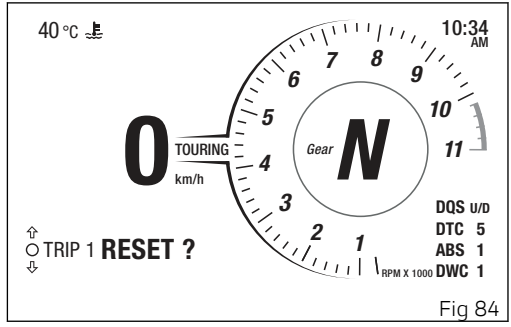


Fig 84

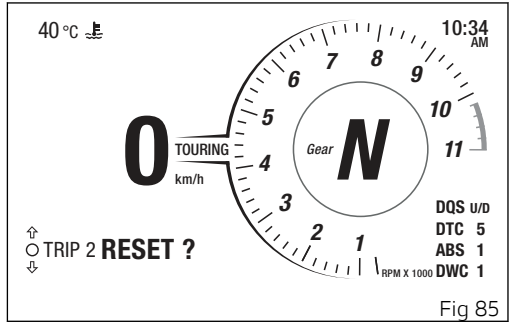


Fig 85

Heated handgrips (HEATING GRIPS) - accessory

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

Press button (1) and (2) to select the HEATING GRIPS function inside the function menu (Fig 86).
Pressing button (4) you view heated handgrip current setting (“OFF”, “LOW”, “MEDIUM”, “HIGH”) and the black arrow down followed by “EXIT” (Fig 87).

Now use button (1) and button (2) to scroll the levels, starting from the current one (“OFF”, “LOW”, “MEDIUM” and “HIGH”).
To select the new level for the heated handgrips and quit the settings, briefly press button (4) when display shows the required level.

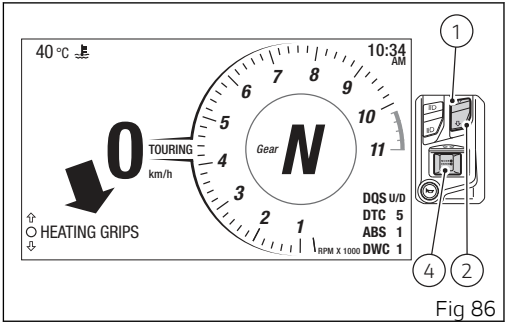


Fig 86

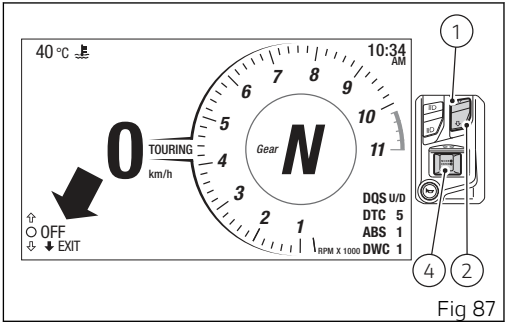


Fig 87

When a level other than “OFF” is selected, the heated handgrips symbol is displayed in the main page (Fig 88). The turning on of this symbol indicates that the heated handgrips are ready to be heated.

The actual turning on (heating) of the heated handgrips occurs only with engine started, when a certain number of engine rpm have been reached and maintained. This is to avoid affecting the battery charge level.
The actual switch-on (Fig 89) is indicated by the colour of the icon corresponding to the current heating level:

- icon on green background = “LOW” level
- icon on amber yellow background = “MEDIUM” level
- icon on red background = “HIGH” level

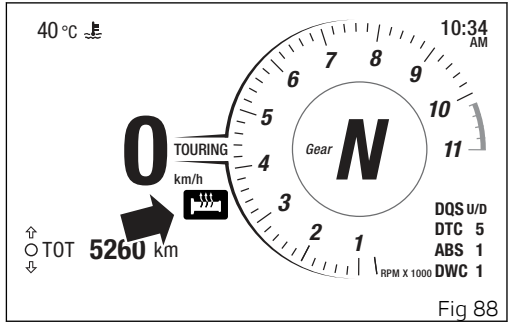


Fig 88

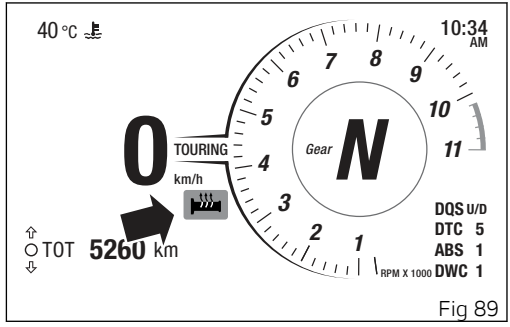


Fig 89

Setting menu (SETTING MENU)

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

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

To gain access to the setting menu, use button (1) or (2) to select “SETTING MENU” and press button (4).

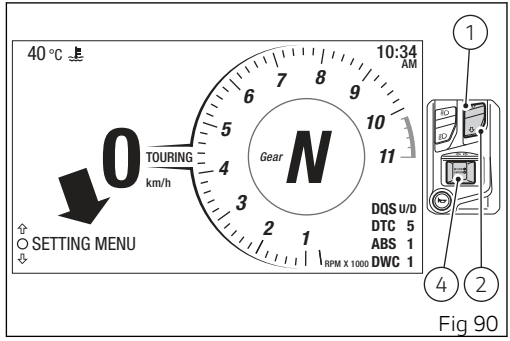


Fig 90

Note

The empty circle symbol ○ is only displayed when the actual vehicle speed is lower than or equal to 5 km/h (3 mph): if the actual vehicle speed is lower than or equal to 5 km/h (3 mph) and suddenly it goes above 5 km/h (3 mph), the empty circle symbol ○ turns off, and will come on again when vehicle speed is again lower than or equal to 5 km/h (3 mph).

Once entered in the setting menu the display changes the display mode.

The functions available inside the setting menu are:

- Riding Mode
- Pin Code
- Lap
- Backlight
- Date and Clock
- Units
- Service
- Tire Calibration
- DRL Control – active only if the DRL lights are present
- Bluetooth – active only if the Bluetooth module is fitted, refer to sub-section “Bluetooth device pairing and management” (page 22)
- Turn Indicators
- Info

Important

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

Press button (1) or (2) to view the above functions of the setting menu one by one: in particular, use button (2) to view the following item and button (1) to view the previous item.
After displaying the required function, press button (4) to open the corresponding menu page.

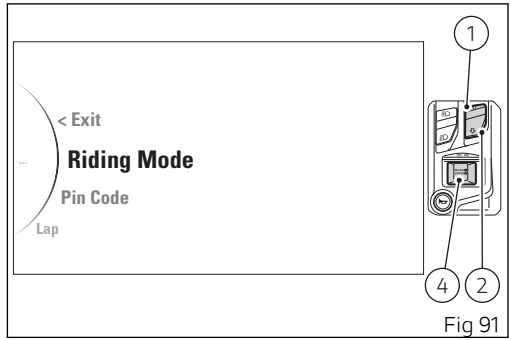


Fig 91

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

To quit the setting menu you shall select "< Exit" and press button (4).

Setting menu - riding mode (Riding Mode)

All settings of every riding mode can be customised.

Enter the setting menu (SETTING MENU).
Select "Riding Mode" by pressing button (1) or (2).
Once function is displayed, press button (4).

When entering the function, the display shows available riding modes on the left side and current riding mode on the right side (Fig 93).
The following indications will be displayed in this page:

- < Back
- Sport
- Touring
- Urban
- All Default (visible only if one or more parameters of one or more Riding Modes are different from the "default" ones)
- < Back

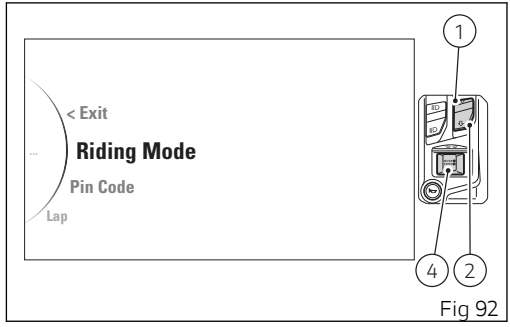


Fig 92

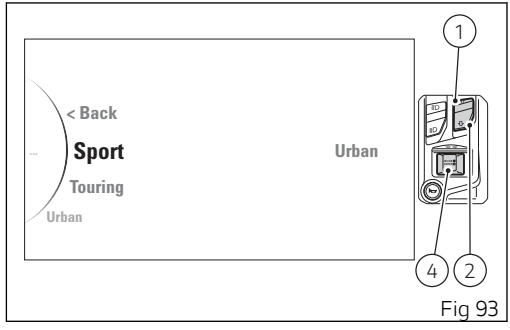


Fig 93

You can use buttons (1), (2) and (4) to do the following:

- use buttons (1) and (2) to select the riding mode to customise, then press button (4) to access the customisation page for the selected riding mode;
- use buttons (1) and (2) to select "< Back" press button (4) to go back to previous page;
- use buttons (1) and (2) to select "All Default", press button (4) to reset to default values for all four Riding Modes.

The parameters linked to a riding mode that can be customised are Engine, DTC, ABS, DWC, DQS (if any) and Default (to reset riding mode to default factory values) (Fig 94).
The following indications will be displayed in this page:

- < Back
- Engine
- DTC
- ABS
- DWC
- DQS (if present)
- Default (visible only if one or more parameters are different from the "default" ones)

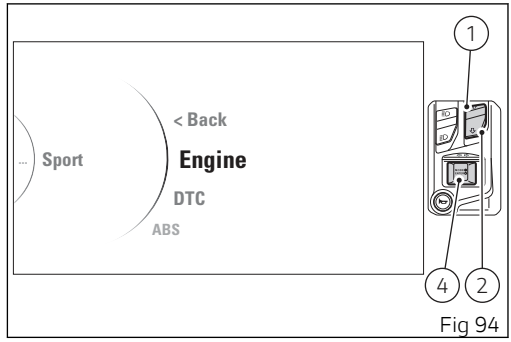


Fig 94

- < Back

Every time you press button (1) or (2) the instrument panel scrolls all the parameters for the selected Riding Mode. Once the parameter is highlighted, press button (4) to enter its setting page.

Any parameter change made is saved and remains in the memory also after a battery-off.
The parameters set by Ducati for each individual riding mode can be reset with the "Default" function and by pressing button (4).

Highlight "< Back" and press button (4) to exit the sub-menu and go back to previous page.

Attention

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

Note

If the DTC is disabled (set to OFF), the DWC parameter can not be changed and is forced to level OFF.

Setting menu - riding mode- setting the engine (Engine)

This function customises engine power associated with each riding mode.
To open this function:

- enter the setting menu (SETTING MENU);
- press button (1) or button (2) to select "Riding Mode" (A) and press button (4);
- then select the riding mode to be modified (“Sport” , “Touring”, “Urban”) (B) and press button (4);
- then select the "Engine" indication (C) and press button (4).

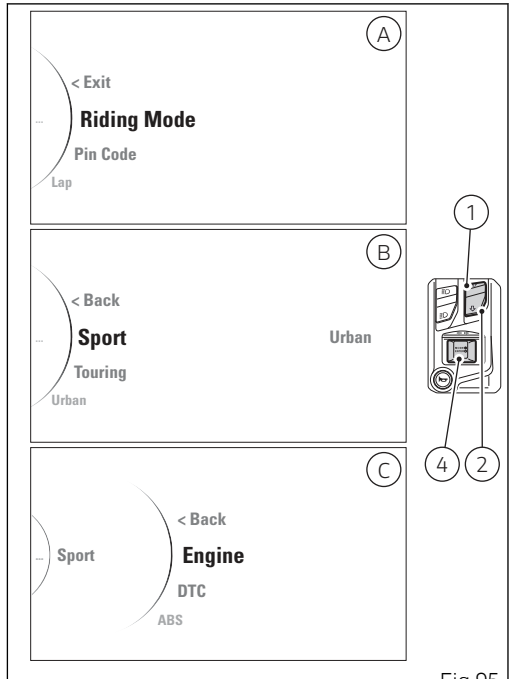


Fig 95

When entering the function, the display shows available customised settings - “High”, “Medium”, “Low” - on the left side and current setting on the right side.
The following indications will be displayed in this page:

- < Back
- High
- Medium
- Low
- < Back

At the centre of the screen is also the bike profile with the service area highlighted, and a chart containing reference information.

With buttons (1) and (2) select the new desired engine power.
For each level, the corresponding value in the table is highlighted.
Once the desired level is selected, press button (4) to confirm the selection.

To exit the menu and go back to previous page use buttons (1) and (2) to select the "< Back" indication and press button (4).

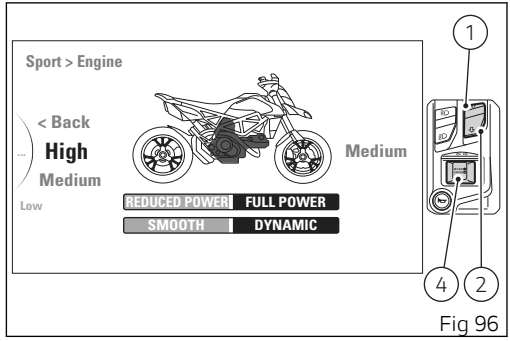


Fig 96

Setting menu - riding mode- setting the DTC (DTC)

Attention

When the DTC is set to Off, the DWC is also automatically set to Off, so both the wheelie control and the vehicle dynamics stabilisation control are deactivated.

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

This function allows customising or disabling DTC (Ducati Traction Control) intervention level, for each single riding mode.
To open this function:

- enter the setting menu (SETTING MENU);
- press button (1) or button (2) to select "Riding Mode" (A) and press button (4);
- then select the riding mode to be modified (“Sport” , “Touring”, “Urban”) (B) and press button (4);
- then select the "DTC" indication (C) and press button (4).

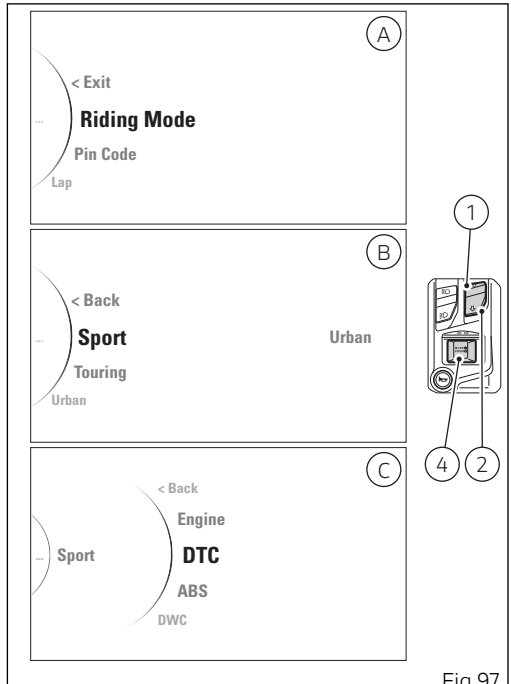


Fig 97

When entering the function, the display shows available customised level settings - “8” to “1” and “Off” - on the left side and current setting on the right side.

- < Back
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
- Off
- < Back

At the centre of the screen is also the bike profile with the service area highlighted, and a chart containing reference information.

Use buttons (1) and (2) to select the desired level. For each level, the corresponding value in the table is highlighted.
Once the desired level is selected, press button (4) to confirm the selection.

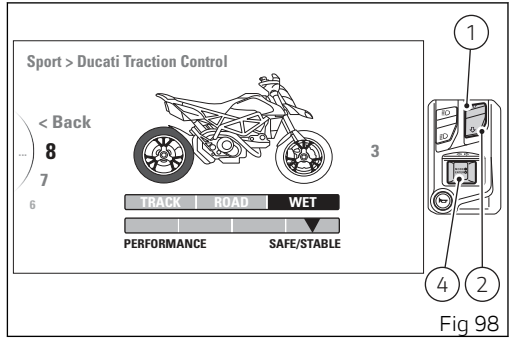


Fig 98

To exit the menu and go back to previous page use buttons (1) and (2) to select the "< Back" indication and press button (4).

Attention

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

Attention

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

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

The following table indicates the most suitable level of DTC intervention for the different riding modes as well as the default settings in the "Riding Modes" that can be selected by the rider:

DTC LEVEL	RIDING MODE	USE	DEFAULT
OFF		The DTC is disabled.	NO
1	TRACK Professional	Track use for very expert riders. System permits sliding sideways.	NO
2	TRACK	Very sporty style on the road and on the track, for experienced riders.	NO
3	SPORT	Sporty driving on a road or track.	It is the default level for the "SPORT" Riding Mode
4	TOURING	Extra-urban touring style.	It is the default level for the "TOURING" Riding Mode
5	CRUISE	Touring style for long travels.	NO
6	URBAN	City style.	It is the default level for the "URBAN" Riding Mode
7	RAIN	Wet or moist road.	NO
8	HEAVY RAIN	Wet road with pouring rain or very slippery asphalt.	NO

Tips on how to select the sensitivity level

Attention

The 8 levels of the DTC system your motorcycle is equipped with were calibrated with original equipment tyres (make, model and size). The use of tyres of different size to the original tyres may alter the operating characteristics of the system.

System calibration is optimised for these tyres:

- Pirelli Diablo Rosso III – front 120/70 ZR17, rear 180/55 ZR17
- Pirelli Supercorsa SP v3 – front 120/70 ZR17, rear 180/55 ZR17

In the case of minor differences, such as for example, tyres of a different make and/or model than the OE ones, but with the same size (rear = 180/55-17; front = 120/70-17), it may be sufficient to simply select the suitable level setting from those available in order to restore optimal system operation.
If tyres of a different size class are used or if the tyre dimensions differ significantly from the original tyres, it may be that the system operation is affected to the point where none of the 8 available level settings will give satisfactory results. In this case it is advisable to deactivate the traction control system.

If level 8 is selected, the DTC control unit will kick in at the slightest hint that the rear wheel is starting to spin. Between level 8 and level 1 there are other 8 intermediate levels.
DTC intervention gradually decreases from level 8 to level 1.
With levels 1 and 2, DTC control unit allows both rear tyre spinning and sliding sideways when exiting a turn; we recommend using these levels only on track and to very experienced riders.

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

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

Level depends on grip conditions

The choice of level setting depends greatly on the grip conditions of the track/path (see below, tips for use on the track and on the road).

Level depends on type of track

If the track/path features bends all taken at similar speeds, it will be easier to find a level suitable for all bends; while a track/path with a hairpin turn to be taken at very low speed compared to the other bends will require a DTC level setting that is the best compromise for all bends (on hairpin turn, DTC intervention will always be greater compared to the other bends).

Level depends on riding style

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

Tips for use on the track

We recommend that level 6 is used for a couple of full laps (to allow the tyres to warm up) and in order to get used to the system. Then try levels 5, 4 etc., in succession until you identify the DTC sensitivity level that suits you best (always try each level for at least two laps to allow the tyres to warm up).

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

Tips for use on the road

Activate the DTC, select DTC 6 and ride the motorcycle in your usual style; if the level of DTC sensitivity seems excessive, try DTC level 5; if also this RM sensitivity seems excessive try DTC level 4.
If none of the level suits your riding style, you can select the level by following the indications given on the previous table until finding the intervention level you prefer.
If changes occur in the grip conditions and/or circuit characteristics and/or your riding style, and the level setting is no longer suitable, switch to the next level up or down and proceed to determine the best setting (e.g. if with level 7 the DTC intervention seems excessive, switch to level 6; alternatively, if on level 7 you cannot perceive any DTC intervention, switch to level 8).

Setting menu - riding mode- setting the ABS (ABS)

The Hypermotard 950 and Hypermotard 950 SP ABS also features a "cornering" function that widens ABS functionality to the conditions where the motorcycle is leaning over, thus controlling the front and rear brake systems depending on the vehicle lean angle with the purpose of preventing wheel lockup and slipping as much as possible, within the physical limits allowed by the vehicle and by the road conditions.

This function allows customising ABS intervention level, for each single riding mode.
To open this function:

- enter the setting menu (SETTING MENU);
- press button (1) or button (2) to select "Riding Mode" (A) and press button (4);
- then select the riding mode to be modified (“Sport” , “Touring”, “Urban”) (B) and press button (4);
- then select the "ABS" indication (C) and press button (4).

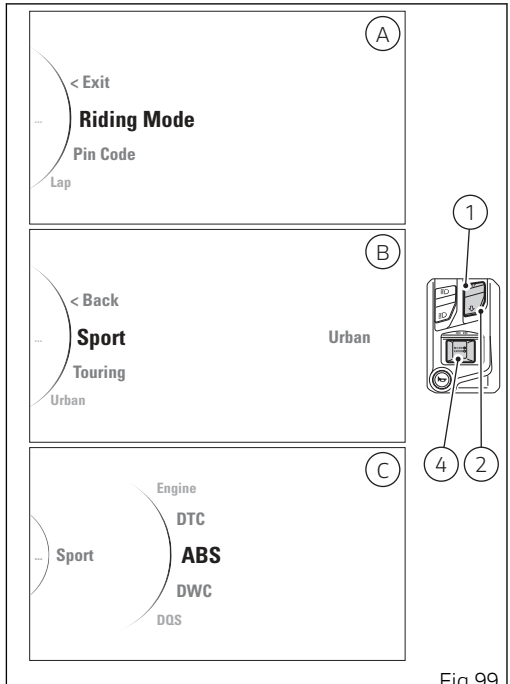


Fig 99

When entering the function, the display shows available customised level settings - “3” to “1” - on the left side and current setting on the right side. The following indications will be displayed in this page:

- < Back
- 3
- 2
- 1
- < Back

At the centre of the screen is also the bike profile with the service area highlighted, and a chart containing reference information.

Use buttons (1) and (2) to select the desired level. For each level, the corresponding value in the table is highlighted.
Once the desired level is selected, press button (4) to confirm the selection.

To exit the menu and go back to previous page use buttons (1) and (2) to select the "< Back" indication and press button (4).

Attention

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

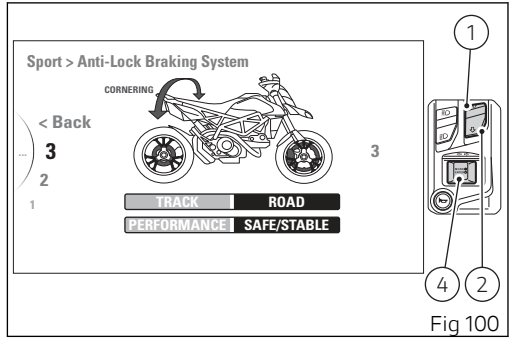


Fig 100

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

The Anti-Lock Braking System (ABS) has been developed to enable riders to use the motorcycle braking force to the fullest possible amount in

emergency braking or under poor pavement or adverse weather conditions.

ABS is an electro-hydraulic device that controls the pressure in the brake circuit when the control unit, by processing information from wheel sensors, determines that one or both wheels are about to lock up. In this case, pressure decrease in the brake circuit allows the wheel to carry on turning, thereby preserving grip.

After that, the control unit restores the pressure in the brake circuit, to resume the braking action. This cycle is repeated many times until the problem is completely eliminated. Normally, the rider will perceive ABS operation as a harder feel or a pulsation of the brake lever and pedal. The front and rear brakes use separate control systems.

The ABS system fitted to the Hypermotard 950 and Hypermotard 950 SP is a safety system preventing wheel lockup while braking, adopting different strategies depending on the selected level. The active presence of strategies and their intervention level depend on the selected level. The ABS features 3 levels, one associated to each Riding Mode.

The ABS system fitted to the Hypermotard 950 and Hypermotard 950 SP features a "cornering" function that optimises ABS functionality to the conditions where the motorcycle is leaning over, thus preventing wheel lockup and slipping as much as possible, within the physical limits allowed by the vehicle and by the road conditions. The cornering function is active on all the ABS levels.

According to the selected level, the ABS can implement the anti lift-up function for the rear wheel so as to guarantee not only a reduced stopping distance under braking, but also the highest possible stability.

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

much, the ABS operates again in standard mode, realigning the vehicle in order to always ensure the maximum safety.

Attention

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

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

ABS LEVEL	RIDING MODE	CHARACTERISTIC	DEFAULT
1	TRACK	This level is designed for expert riders. ABS in this level controls both wheels and the cornering function is active; anti-lift-up control is not active. In this level, also the “slide control under braking” is active. This level privileges the braking power and is designed for riders knowing how to exploit full braking performance.	NO
2	SPORT	This level is designed for use with good grip conditions. ABS in this level controls both wheels and the cornering and anti-lift-up functions are active. This calibration focusses on braking power and yet keeps good stability under braking and lift-up control.	It is the default level for the “SPORT” riding mode

ABS LEVEL	RIDING MODE	CHARACTERISTIC	DEFAULT
3	ALL/URBAN/WET CONDITION	This level is designed for use in any riding conditions to provide a safe and consistent braking action. ABS in this level controls both wheels and the cornering and anti-lift-up functions are active.	It is the default level for the "TOURING" and "URBAN" riding modes.

Tips on how to select the sensitivity level

Attention

Excellent operation of the ABS system, for all available levels, is ensured only with the OE brake system and with OE tyres and/or with the ones recommended by Ducati. In particular, OE tyres for this motorcycle are:

- Hypermotard 950: front 120/70 ZR17 M/C (58W) Pirelli Diablo Rosso III - rear 180/55 ZR17 M/C (73W) Pirelli Diablo Rosso III
- Hypermotard 950 SP: front 120/70 ZR17 M/C (58W) Pirelli Diablo Supercorsa SP - rear 180/55 ZR17 M/C (73W) Pirelli Diablo Supercorsa SP

The use of tyres of different size and characteristics to the original tyres may alter the operating characteristics of the system thus making it unsafe. It is recommended not to install tyres of different size than the ones approved for your vehicle.
Selecting level 3, the ABS will ensure a very stable braking thanks to lift-up control, and the motorcycle will keep a good alignment during the whole braking action also in a bend, thanks to the cornering feature.

Selecting level 2, the ABS will privilege more and more the braking power, yet keeping a good lift-up control. ABS level 2 provides the cornering feature.
ABS level 1 is for expert riders and privileges braking power, to the detriment of stability and lift-up control. The cornering feature is still active. Moreover, level 1 activates the function of slide control under braking (available in this level only).

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

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

Setting menu - riding mode- setting the DWC (DWC)

Attention

When the DTC is set to Off, the DWC is also automatically set to Off, so both the wheelie control and the vehicle dynamics stabilisation control are deactivated.

The Ducati Wheelie Control system (DWC) supervises control of wheelie movement and settings vary through eight different levels that are calibrated to offer a different prevention and reaction to wheelies. Each riding mode features a pre-set intervention level. Level 8 indicates a setting that minimises motorcycle tendency to shift up in a wheelie and maximises reaction to the same, if it occurs. While level 1 is for expert riders and features a lower wheelie control in terms of prevention and less strong reaction to the same, if it occurs.

Stabilisation of dynamics

The DWC also assists the rider in stabilising the vehicle dynamics at high speed by modulating the torque delivered by the engine in a controlled manner.

This assistance, which is normally not necessary, could be useful, depending on the load, under particularly unfavourable conditions such as worn tyres, incorrect tyre inflation pressure, external disturbances due to strong winds or uneven road surfaces.

In these conditions, the DWC system assists the rider by adjusting the vehicle acceleration. As with other control systems, it does not, in any way, replace the rider's action. In case of intervention of the DWC system for wheelie control or for the stabilisation of the vehicle dynamics, the warning light on the dashboard is lit.

This function allows customising or DWC (Ducati Wheelie Control) intervention level, for each single riding mode.
To open this function:

- enter the setting menu (SETTING MENU);
- press button (1) or button (2) to select "Riding Mode" (A) and press button (4);
- then select the riding mode to be modified (“Sport” , “Touring”, “Urban”) (B) and press button (4);
- then select the "DWC" indication (C) and press button (4).

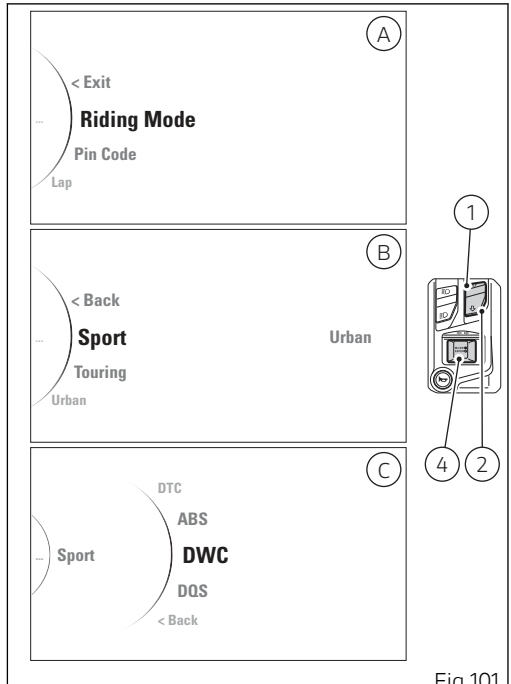


Fig 101

When entering the function, the display shows available customised level settings - “8” to “1” and “Off” - on the left side and current setting on the right side.
The following indications will be displayed in this page:

- < Back
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
- Off
- < Back

At the centre of the screen is also the bike profile with the service area highlighted, and a chart containing reference information.

Use buttons (1) and (2) to select the desired level. For each level, the corresponding value in the table is highlighted.
Once the desired level is selected, press button (4) to confirm the selection.

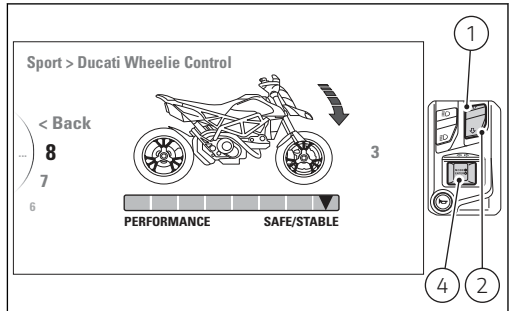


Fig 102

To exit the menu and go back to previous page use buttons (1) and (2) to select the "< Back" indication and press button (4).

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

Attention

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

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

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

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

DWC LEVEL	USE		DEFAULT
5	SAFE & STABLE	Level for all kinds of riders. The system reduces the motorcycle's proneness to do wheelies and sensitively intervenes in case of wheelie.	It is the default level for the "TOURING" Riding Mode
6	SAFE & STABLE	Level for all kinds of riders. The system reduces the motorcycle's proneness to do wheelies and sensitively intervenes in case of wheelie.	It is the default level for the "URBAN" Riding Mode
7	HIGH SAFE & STABLE	Level for all kinds of riders. The system reduces the motorcycle's proneness to do wheelies and sensitively intervenes in case of wheelie.	NO
8	HIGH SAFE & STABLE	Level for all kinds of riders. The system reduces the motorcycle's proneness to do wheelies to a minimum level and sensitively intervenes in case of wheelie	NO

Tips on how to select the sensitivity level

Attention

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

At level 8 the DWC system reduces the motorcycle's proneness to do wheelies to a minimum level and sensitively intervenes in case of wheelie. Between level 8 and level 1 there are further intermediate levels of intervention for the DWC. Levels 1, 2 and 3 allow easier wheelies, but reduce their speed: these levels are recommended only for track use and for expert riders who can control wheelies on their own and exploit the system feature that reduces the speed at which the front wheel tends to lift.

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

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

The rider's experience

The choice of level setting depends greatly on the riders' experience and ability to control wheelies on their own. Levels 1, 2 and 3 require a great experience to ensure proper control.

Level depends on type of track

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

Tips for use on the track

We recommend to use level 8 for a couple of full laps in order to get used to the system. Then try levels 7, 6, etc., in succession until you identify the DWC sensitivity level that suits you best (always try each level for at least two laps to allow the tyres to warm up).

Tips for use on the road

Activate the DWC, select level 8 and ride the motorcycle in your usual style; if the level of DWC

sensitivity seems excessive, try levels 7, 6, etc., until you find the one that suits you best. If changes occur in the circuit characteristics, and the level setting is no longer suitable, switch to the next level up or down and proceed to determine the best setting (e.g. if with level 7 the DWC intervention seems excessive, switch to level 6; alternatively, if on level 7 you cannot perceive any DWC intervention, switch to level 8).

Setting menu - riding mode - setting the DQS - accessory (DQS)

This function disables or enables the DQS in UP/DOWN mode for each single riding mode, and is available only if the DQS is actually installed to the vehicle.

To open this function:

- enter the setting menu (SETTING MENU);
- press button (1) or button (2) to select "Riding Mode" (A) and press button (4);
- then select the riding mode to be modified ("Sport" , "Touring", "Urban") (B) and press button (4);
- then select the "DQS" indication (C) and press button (4).

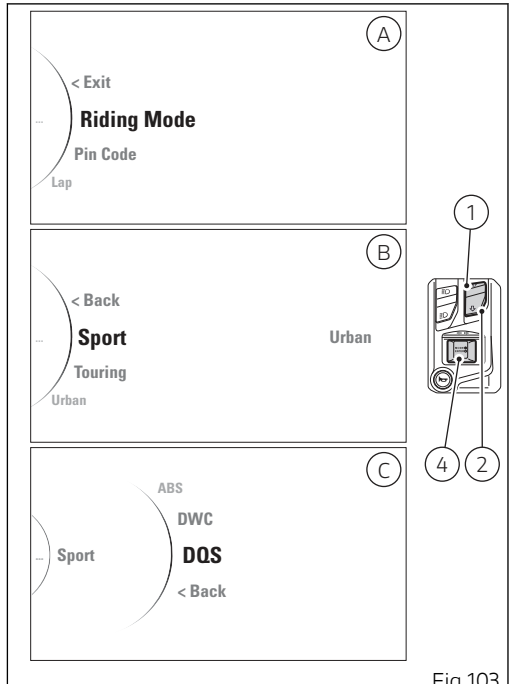


Fig 103

When entering the function, the display shows available customised level settings - “Up/Down” and “Off” - on the left side and current setting on the right side.
The following indications will be displayed in this page:

- < Back
- Up/Down
- Off
- < Back

At the centre of the screen, the service area is also highlighted.

Use buttons (1) and (2) to select the desired level. For each level, the corresponding value in the table is highlighted.
Once the desired level is selected, press button (4) to confirm the selection.

To exit the menu and go back to previous page use buttons (1) and (2) to select the "< Back" indication and press button (4).

The DQS with up/down feature allows the rider to upshift and downshift without using the clutch lever.

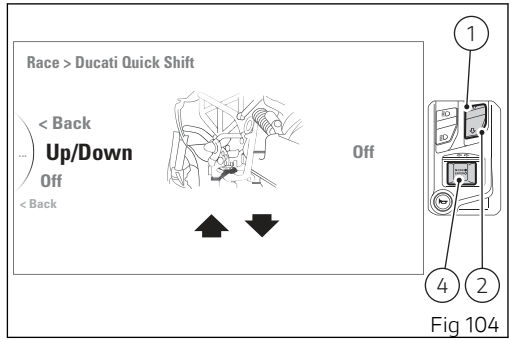


Fig 104

It includes a two-way microswitch - built in the lever mechanism - that outputs a signal to the engine control unit whenever the gearshift is operated.
The system works in a different way when upshifting and downshifting.

Here below are some tips that will ensure you properly exploit this feature:

- The Ducati Quick Shift takes the same shift lever operation as with vehicle not equipped with the Ducati Quick Shift.
  Ducati Quick Shift is not designed for shifting automatically.

- For any gearshift request (upshifting or downshifting) the rider has to move the shift lever from its idle position in the desired direction against the force of the spring through a certain over-travel, then keep the shift lever in this position until the gearshift is completed. Once the gearshift has been completed, the lever has to be fully released in order to allow another gearshift acted by Ducati Quick Shift. If the rider does not move the shift lever up to end stroke during a Ducati Quick Shift request, gears may not be fully engaged.
- Ducati Quick Shift provides no assistance for the gearshift if the rider uses the clutch lever: the Ducati Quick Shift does not work when the clutch lever is pulled.
- Ducati Quick Shift will shift down (downshifting) only when the throttle control is completely closed.
- If the Ducati Quick Shift strategy does not work it is always possible to complete the gear shifting using the clutch lever.
- If the gear lever is held pressed up or down for more than 30 seconds (even if just by accident) a plausibility error can be memorised in the electronic control unit and the Ducati Quick Shift system could be disabled; in this case, to reactivate the system, it is necessary to release the lever, switch the instrument panel off, wait for 5 minutes and switch the instrument panel on again.
- Ducati Quick Shift is designed to operate above 2,500 rpm.
- No matter the gear engaged, downshifting with Ducati Quick Shift (downshifting) only woks below a set threshold, so as to avoid exceeding the maximum rpm allowed when the lower gear is engaged.

Setting menu - riding mode- restore values (Default)

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

- enter the setting menu (SETTING MENU);
- press button (1) or button (2) to select "Riding Mode" (A) and press button (4);
- then select the riding mode to be modified ("Sport" , "Touring", "Urban") (B) and press button (4);
- then select "Default" (C).

Press button (4) when "Default" is selected; the instrument panel sets all parameters for the selected riding mode to factory settings. The display shows "< Back" and the "Default" item is no longer in the list.

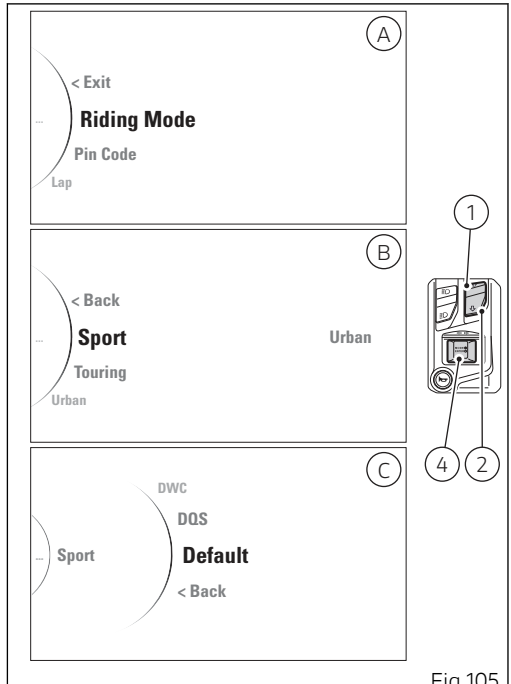


Fig 105

Setting menu - riding mode - restore all values for all riding modes (All Default)

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

- enter the setting menu (SETTING MENU);
- press button (1) or button (2) to select "Riding Mode" (Fig 106) and press button (4);
- select “All Default” (Fig 107).

Press button (4) when “All Default” is selected; the instrument panel sets all parameters for all riding modes to factory settings. The display shows “< Back” and the “All Default” item is no longer in the list.

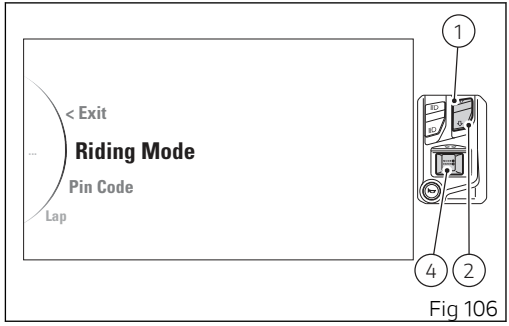


Fig 106

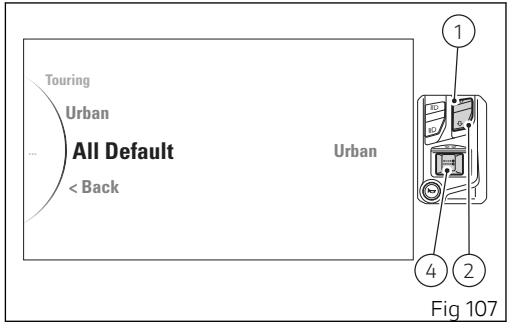


Fig 107

Setting menu - pin code activation (Pin Code)

This function allows the user to activate or modify the Pin Code.
The Pin Code is initially not present in the motorcycle, it must be activated by the user by entering his/her 4-digit PIN in the instrument panel, otherwise the motorcycle cannot be started temporarily in the case of a malfunction.

To change the Pin Code refer to the chapter “Setting menu - Pin code (Pin Code)”.

In order to temporarily start the motorcycle in case of malfunction, please refer to the procedure called “Restoring motorcycle operation via the Pin Code”.

Attention

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

Enter the setting menu (SETTING MENU).



Fig 108

“Select Pin Code option”, by pressing button (1) or (2). Once function is displayed, press button (4).

The following indications will be displayed in this page:

- < Back
- New Pin

Select “New Pin” (A) using button (1) and button (2) and press button (4) to validate and enter the new Pin Code.
To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Note
If "Modify Pin" appears when accessing this function, this means that there is already a stored Pin Code and therefore the function is already active.

Entering the Pin Code (B):

After accessing the new Pin Code entering function, the instrument panel displays “New Pin” with spaces allowing to enter the four digits of the code: “0” and “- - -“.
The two arrows above and below the digit indicate that it is possible to change the value using button (1) and button (2).

Entering the code:

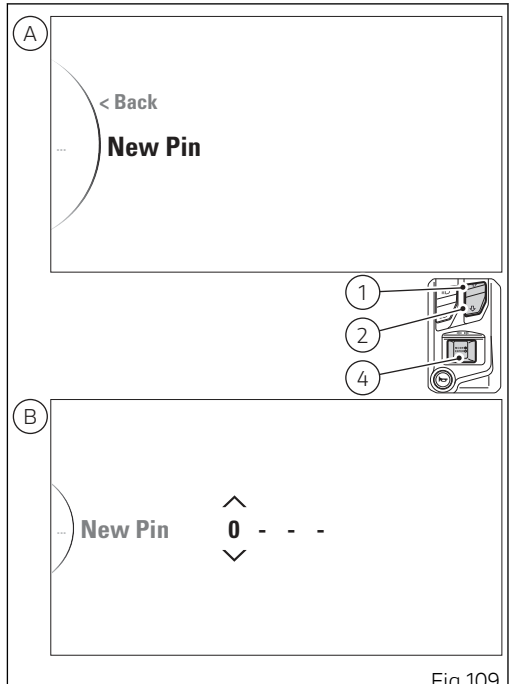


Fig 109

1) Each time you press the button (1) the displayed number increases by one (+1) up to "9" and then starts back from “0”;
2) Each time you press the button (2) the displayed number decreases by one (-1) up to "0" and then starts back from "9";
3) Press button (4) to confirm the number and move on to the following digit.
4) Repeat the operations under steps 1) - 3) until you confirm all the 4 digits of the Pin Code.

Once the last digit has been entered, when pressing button (4) the instrument panel activates the following indications:

- < Back
- Memory (orange)

To exit the menu and go back to previous page without saving the set code, highlight the "< Back" indication and press button (4).
To memorise the entered code, highlight the "Memory" indication (orange) and press button (4) (Fig 110).
Then, the instrument panel will activate the “Memorised” indication (green) for 2 seconds.

At the end of the 2 seconds, the instrument panel goes back to the previous screen with the indication “Modify Pin” (instead of “New Pin”): in fact, after memorising the first Pin Code, the page of the menu where to enter the “New Pin” is no longer available and is replaced by the page to modify the Pin Code.

Note
The page for entering the PIN CODE is active and available again only in case the Pin Code function is reset (but this is only possible through the DUCATI diagnosis instrument).

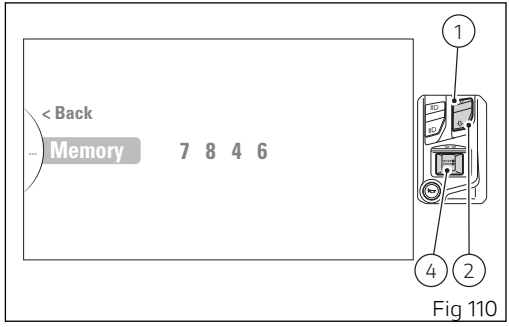


Fig 110



Fig 111

Setting menu - pin code modification (Pin Code)

This function allows the user to activate or modify the Pin Code.

To activate the Pin Code refer to the chapter “Setting menu - Pin code activation (Pin Code)”.

In order to temporarily start the motorcycle in case of malfunction, please refer to the procedure called “Restoring motorcycle operation via the Pin Code”.

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

Enter the setting menu (SETTING MENU).
“Select Pin Code option”, by pressing button (1) or (2).
Once function is displayed, press button (4).

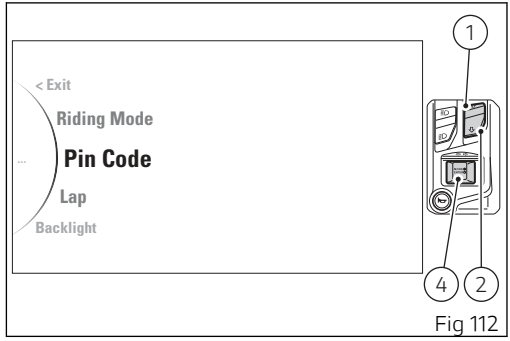


Fig 112

As you enter this function, the instrument panel displays the following indications:

- < Back
- Modify Pin

Select “Modify Pin” (A) using button (1) and button (2) and press button (4) to validate and modify the Pin Code.
To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Note
If "New Pin" appears when accessing this function, it means that the Pin Code has never been activated and it is necessary to do it.

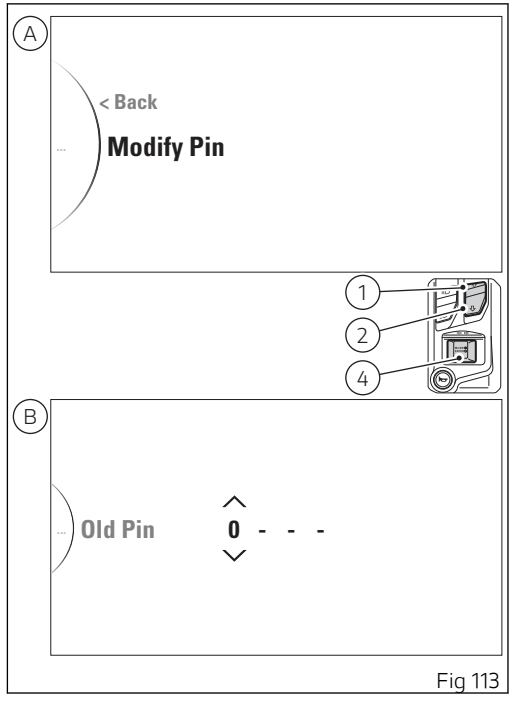


Fig 113

Entering the old Pin Code:

After accessing the Pin Code change function (Modify Pin), the instrument panel displays “Old Pin” with spaces allowing to enter the four digits of the previously set Pin code: “0” and “- - -“. The two arrows above and below the digit indicate that it is possible to change the value using button (1) and button (2).

Entering the code:

1) Each time you press the button (1) the displayed number increases by one (+1) up to "9" and then starts back from “0”;
2) Each time you press the button (2) the displayed number decreases by one (-1) up to "0" and then starts back from "9";
3) Press button (4) to confirm the number and move on to the following digit.
4) Repeat the operations under steps 1) - 3) until you confirm all the 4 digits of the Pin Code.

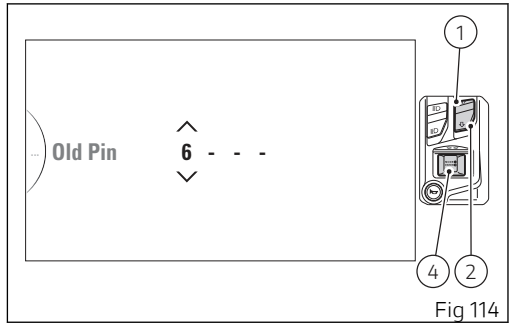


Fig 114

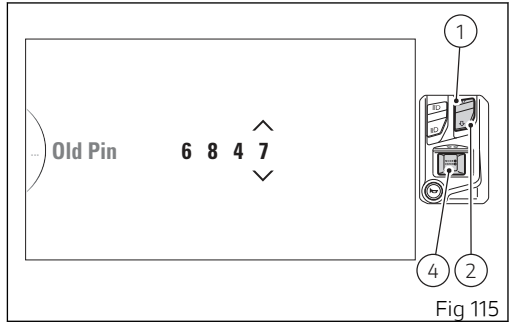


Fig 115

When you press button (4) to confirm the fourth and last digit, the instrument panel responds as follows:

- if the pin code is not correct, the instrument panel displays “Wrong” (Fig 116) highlighted in red for 2 seconds and then goes back to previous screen, to allow you to try again;
- if the pin code is correct, the instrument panel shows “Correct” highlighted in green for 2 seconds, and then displays the page for entering the new Pin Code

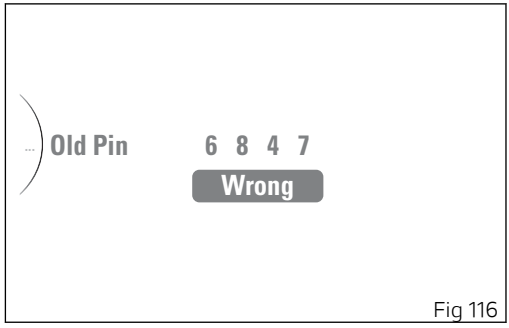


Fig 116

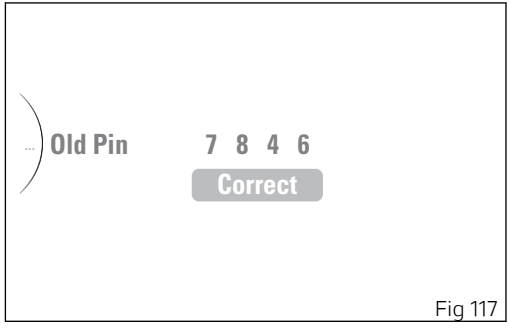


Fig 117

Entering the new Pin Code:

After accessing the new Pin Code entering function, the instrument panel displays “New Pin” with spaces allowing to enter the four digits of the code: “0” and “- - -”.

The two arrows above and below the digit indicate that it is possible to change the value using button (1) and button (2).

Entering the code:

1) Each time you press the button (1) the displayed number increases by one (+1) up to "9" and then starts back from “0”;
2) Each time you press the button (2) the displayed number decreases by one (-1) up to "0" and then starts back from "9";
3) Press button (4) to confirm the number and move on to the following digit.
4) Repeat the operations under steps 1) - 3) until you confirm all the 4 digits of the Pin Code.

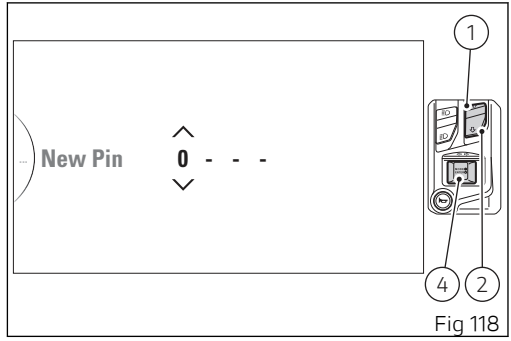


Fig 118

Once the last digit has been entered, when pressing button (4) the instrument panel activates the following indications:

- < Back
- Memory (orange)

To exit the menu and go back to previous page without saving the set code, highlight the "< Back" indication and press button (4).
To memorise the entered code, highlight the "Memory" indication (orange) and press button (4) (Fig 119).
Then, the instrument panel will activate the “Memorised” indication (green) for 2 seconds.

At the end of the 2 seconds, the instrument panel goes back to the previous screen.

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

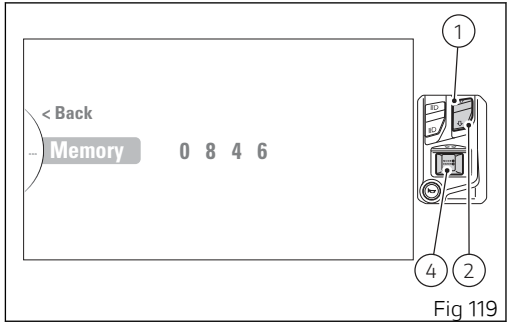


Fig 119

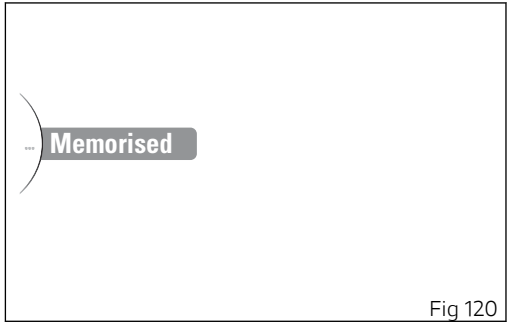


Fig 120

Setting menu - lap time (Lap)

This function allows the rider to enable or disable the lap timer and view of delete the stored lap information.
It is possible to record a maximum of 30 laps. For each lap, system stores top speed and maximum rpm as read during the lap.

Enter the setting menu (SETTING MENU). Select “Lap”, by pressing button (1) or (2). Once function is displayed, press button (4).

As you enter this function, the instrument panel displays the following indications:

- < Back
- On (*)
- Off (**)
- Lap Data
- Erase All (***)
- < Back

(*) This indication is visible only if the lap function is “disabled” (Off)
(**) This indication is visible only if the lap function is “enabled” (On)
(***) This indication is visible only if one or more saved laps are present

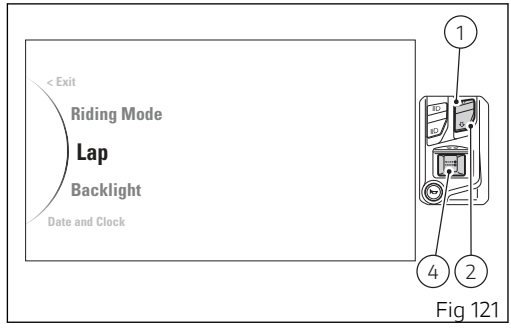


Fig 121



Fig 122

Use buttons (1) and (2) to select the indication and press button (4) to activate the relevant function.

- If the indication is “On” the instrument panel activates the Lap Function; once it is activated, it is possible to record the lap time;
- If the indication is “Off” the instrument panel disabled the Lap function;
- If the indication is “Lap Data”, the instrument panel displays the stored laps;
- If the indication is “Erase All”, the instrument panel erases all stored laps.



Note

In case of Key-Off or of an interruption of the power supply from the battery (Battery Off), when power is restored at the next Key-On, the LAP function will always be set by default to “Off”.

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Displaying the stored laps

The laps previously stored can be displayed. The information displayed is lap time, maximum rpm and top speed.
To view the laps, enter (the SETTING MENU, use buttons (1) and (2) to select "Lap" and press button (4).
Then use buttons (1) and (2) to select “Lap Data” and press button (4).

If there are no memorised laps, when accessing this page the instrument panel will show “< Back” and “No Lap”.

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).



Fig 123

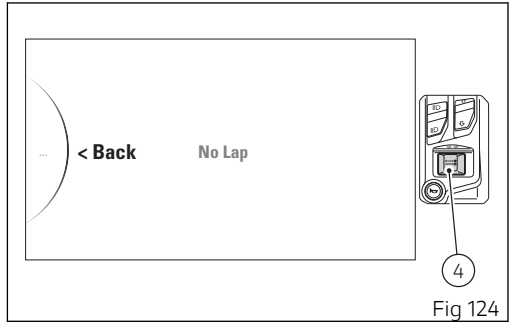


Fig 124

If there are memorised laps, when accessing this page the instrument panel will show the following information:

- < Back
- Lap 01
- .....
- Lap 30
- < Back

With buttons (1) or (2) it is possible to select one information. The displayed LAPs are only the recorded ones. For each memorised LAP, the display shows also:

- the word “Time” followed by the recorded LAP time (minutes – seconds – hundredths of second);
- “Speed Max” indication followed by the top speed recorded during the lap;
- “Rpm Max” indication followed by the engine rpm value reached in the recorded lap.

It is possible to record maximum of 30 LAPs.

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

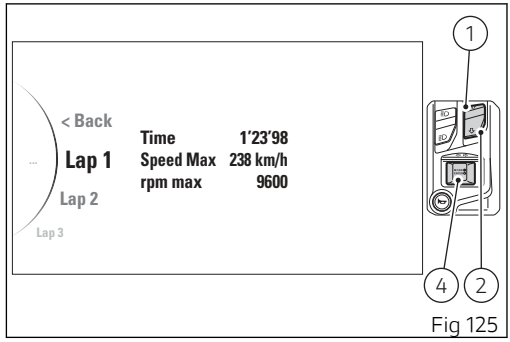


Fig 125

Note
The MAX stored speed is reached during lap (increased by 5%).

Note
If top speed over the lap exceeded 299 Km/h (186 mph), this function shows the actual speed reached (e.g.: 316 Km/h).

Erasing stored laps

The memorised laps can be erased with the “Erase All” function.
To erase the laps, enter (the SETTING MENU, use buttons (1) and (2) to select "Lap" and press button (4).

When entering this function, the instrument panel will not activate any erasing option if no lap is stored. While if there are stored laps, the option “Erase All” is displayed when entering this function, allowing the rider to erase the lap data.
Use buttons (1) and (2) to select “Erase All” and press button (4).

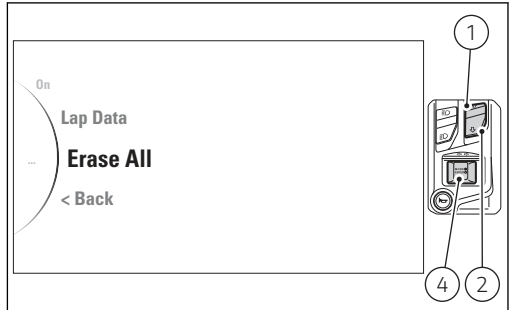


Fig 126

After confirming the “Erase All” function, the instrument panel shows:

- “Wait...” for 1 second;
- and then “Erase OK” for 1 second to inform about the result of the deletion process.

Deletion is one single command that erases all stored laps.

Note

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

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

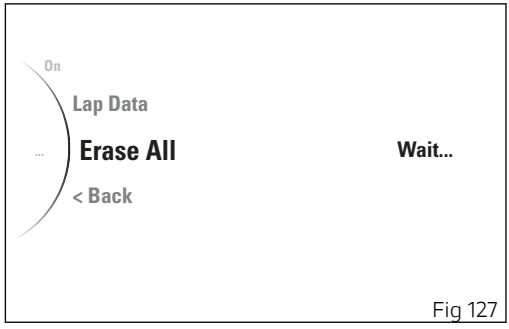


Fig 127

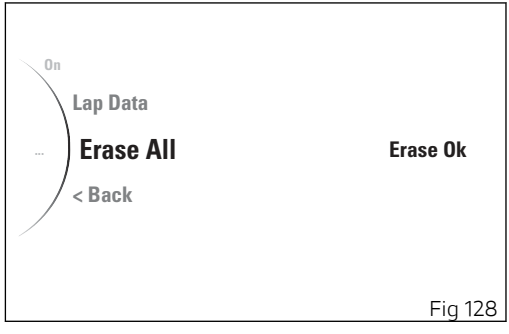


Fig 128

Setting menu - setting the backlighting (Backlight)

This function allows the rider to set the way display colours are viewed according to NIGHT and DAY modes.

Enter the setting menu (SETTING MENU).
Select "Backlight", by pressing button (1) or (2). Once function is displayed, press button (4).

When entering the function, the display shows available modes on the left side and current mode on the right side (Fig 130).
The following indications will be displayed in this page:

- < Back
- Day
- Night
- Auto
- < Back

With buttons (1) and (2) it is possible to select the desired display backlight.
Once the desired backlight is highlighted, press confirm button (4) to memorise the new selection.

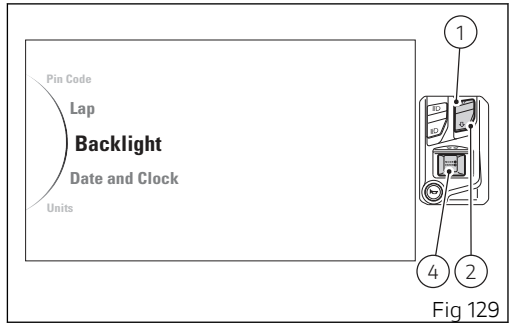


Fig 129

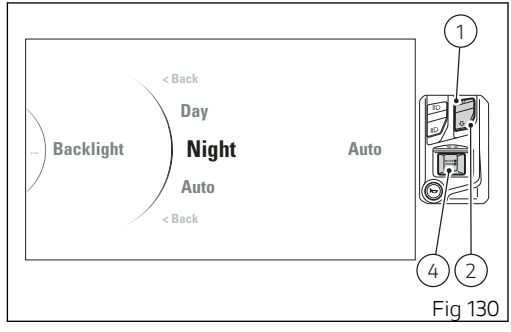


Fig 130

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Select "Day" (day mode) to permanently set display white background for improved readability, recommended in conditions of strong ambient light.

Select "Night" (night mode) to permanently set display black background for dimmed visibility, recommended in case of poor ambient light and/or at night.

Select "Auto" (automatic mode) to automatically adjust background colour according to ambient light (detected by a sensor). If exterior light is very bright, the display will switch to white background. If exterior light is poor, the display will switch to black background.

Note

In case of battery off, when the voltage is restored and upon next Key-On, back lighting will always be set on "AUTO" mode.

Setting menu - setting the date and time (Date and Clock)

This function allows setting date and time.

Enter the setting menu (SETTING MENU).
Select “Date and Clock” option, by pressing button (1) or (2). Once function is displayed, press button (4).

The following indications will be displayed on this page (Fig 132):

- < Back
- Date
- Clock
- < Back

With buttons (1) and (2) it is possible to select the parameter to be modified.
Select “Date”, at the centre of the display is currently set date in the format “YYYY / MM / DD” (year / month / day); press button (4) to set the date.
Select “Clock” , at the centre of the display is currently set time in the format “AM/PM HH : MM” (AM or PM, hours : minutes); press button (4) to set the time.
To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).



Fig 131

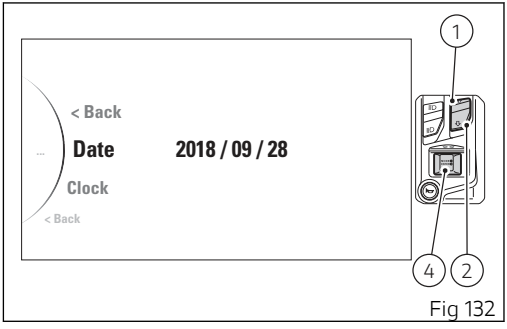


Fig 132

Note
If the date has never been set or has been reset, the display shows a string of dashes in place of the year, month and day (“- - - - / - - / - -”).

Note
If the time has never been set or has been reset, the display shows time as “AM - -: - -”.

Date setting (Date)

Select “Date” (A) and press button (4), the instrument panel will show “Set...” on the right side, and at the centre the flashing year with two arrows above and below the number (B), thereby indicating the possibility to modify the figure by means of button (1) and button (2):

- press button (1) to increase year value by 1 (“2000”, “2001”, ...“2099”, “2000”);
- press button (2) to decrease year value by 1 (“2099”, “2098”, ...“2000”, “2099”);
- once you reach the year to be set, press button (4) to confirm. The arrows will then move to the month value to allow setting it.

When the two arrows are displayed above and below the flashing month indication, they give the possibility to set it:

- press button (1) to increase the month by 1 (“01”, “02”, ...“12”, “01”);
- press button (2) to decrease the month by 1 (“12”, “11”, ...“01”, “12”);
- once you reach the month to be set, press button (4) to confirm. The arrows will then move to the day value to allow setting it.

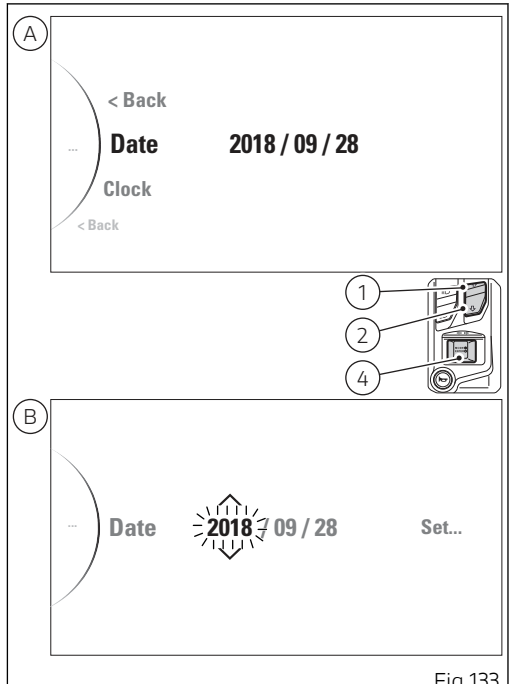


Fig 133

When the two arrows are displayed above and below the flashing day indication, they give the possibility to set it:

- press button (1) to increase the day by 1 (“01”, “02”, ...“31”, “01”);
- press button (2) to decrease the day by 1 (“31”, “30”, ...“01”, “31”);
- once you reach the day to be set, press button (4) to confirm.

After pressing button (4) to confirm the day, the instrument panel saves the set date and activates the indication “< Back”.
If date is not correct, the instrument panel will display "Wrong" for 3 seconds and then it will automatically go back to setting the year without storing any new date.

To exit the menu highlight the "< Back" indication and press button (4).

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

Time setting (Clock)

Select “Clock” (A) and press button (4), the instrument panel will show “Set...” on the right side, and at the centre the flashing time with “AM” or “PM” and with two arrows above and below (B), thereby indicating the possibility to modify the figure by means of button (1) and button (2). Once you set the desired value, press button (4) to confirm: the arrows move to the hour value to allow setting it.

When the two arrows are displayed above and below the flashing hour indication, they give the possibility to set it:

- press button (1) to increase hour value by 1(“01”, “02”, ... “12”, “01”);
- press button (2) to decrease hour value by 1 (“12”, “11”, ...“01”, “12”);
- once you reach the value to be set, press button (4) to confirm. The arrows will then move to the minute value to allow setting it.

When the two arrows are displayed above and below the flashing minute indication, they give the possibility to set it:

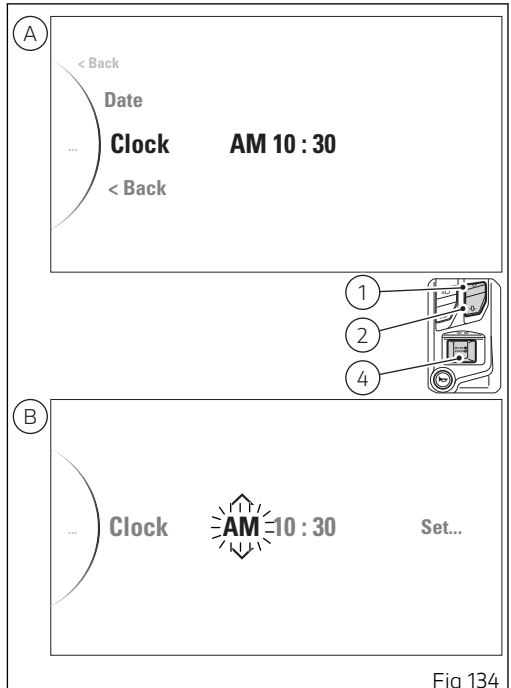


Fig 134

- press button (1) to increase minutes by 1 (“00”, “01”, ...“59”, “00”);
- press button (2) to decrease minutes by 1 (“59”, “58”, ...“00”, “59”);
- once you reach the value to be set, press button (4) to confirm.

After pressing button (4) to confirm the minutes, the instrument panel saves the set time and activates the indication “< Back”.

To exit the menu highlight the "< Back" indication and press button (4).

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

Setting menu - unit of measurement setting (Units)

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

Enter the setting menu (SETTING MENU).
Select “Units” option, by pressing button (1) or (2).
Once function is displayed, press button (4).

As you enter this function (Fig 136), the instrument panel displays the following indications:

- < Back
- Speed
- Temperature
- Consumption
- All Default
- < Back

The “All Default” indication is visible only if one or more parameters have been modified.

Measurements for which it is possible to change the unit are the following:

- Speed;
- Temperature;
- Fuel consumption.

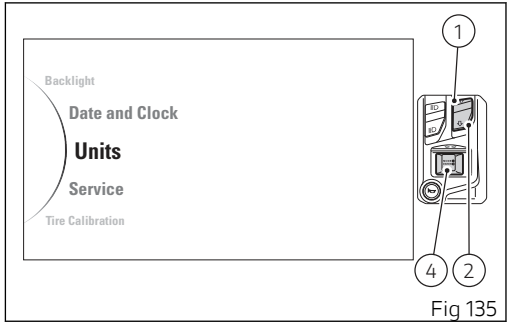


Fig 135

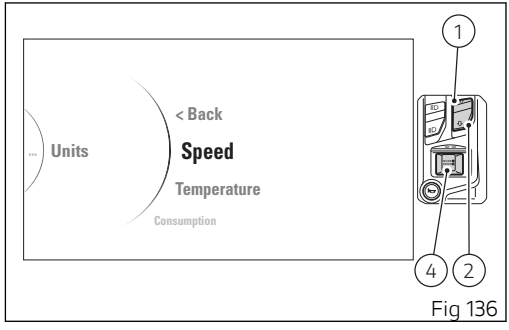


Fig 136

With buttons (1) and (2) it is possible to select the measurement of which you wish to change the unit:

- select “Speed” and press button (4) to customise the speed unit of measurement;
- select “Temperature” and press button (4) to customise temperature unit of measurement;
- select “Fuel consumption” and press button (4) to customise fuel consumption unit of measurement;
- select “All Default” and press button (4) to restore all values of the units of measurements of all displayed quantities.

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Setting the unit of measurement for speed (Speed)

This function allows to change the units of measurement of speed and hence even the ones of distance travelled.
This page (Fig 138) shows currently set units of measurement on the right side and the following options on the left side:

- < Back
- km/h
- mph
- Default
- < Back

"Default" indication is visible only if the set parameter is different from the default parameter.

With buttons (1) and (2) it is possible to select the desired measurement or “Default” to reset the default unit of measurement.
Once the desired function is highlighted, press button (4) to save the selected unit.
To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

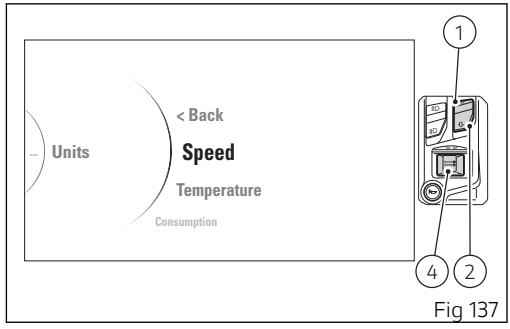


Fig 137

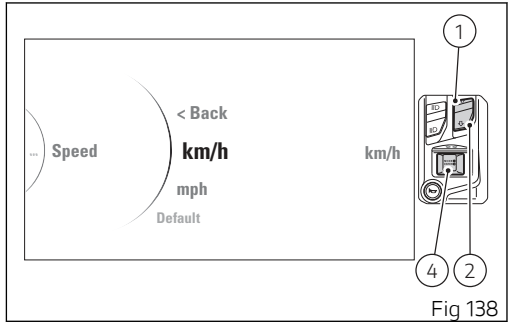


Fig 138

Setting the unit of measurement for temperature (Temperature)

This function allows you to change the units of measurement of the temperature.
This page (Fig 140) shows currently set units of measurement on the right side and the following options on the left side:

- < Back
- °F
- °C
- Default
- < Back

"Default" indication is visible only if the set parameter is different from the default parameter.

With buttons (1) and (2) it is possible to select the desired measurement or “Default” to reset the default unit of measurement.
Once the desired function is highlighted, press button (4) to save the selected unit.
To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

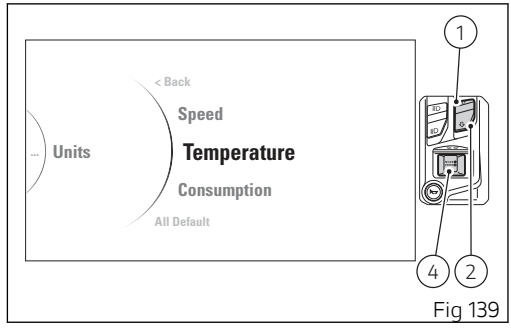


Fig 139

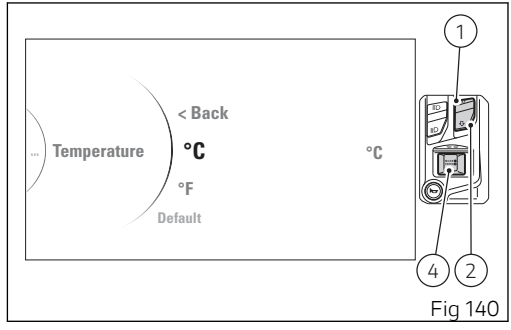


Fig 140

Setting the unit of measurement for fuel consumption (Consumption)

This function allows you to change the units of measurement of the fuel consumption.
This page (Fig 142) shows currently set units of measurement on the right side and the following options on the left side:

- < Back
- l/100
- km/l
- mpg UK
- mpg US
- Default
- < Back

"Default" indication is visible only if the set parameter is different from the default parameter.

With buttons (1) and (2) it is possible to select the desired measurement or “Default” to reset the default unit of measurement.
Once the desired function is highlighted, press button (4) to save the selected unit.
To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

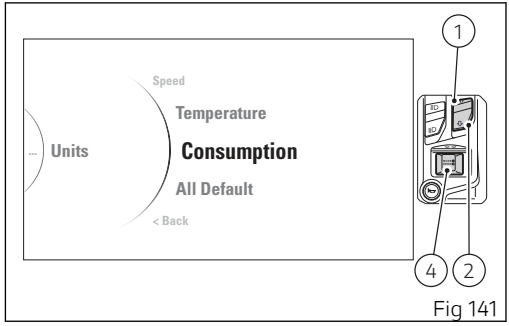


Fig 141

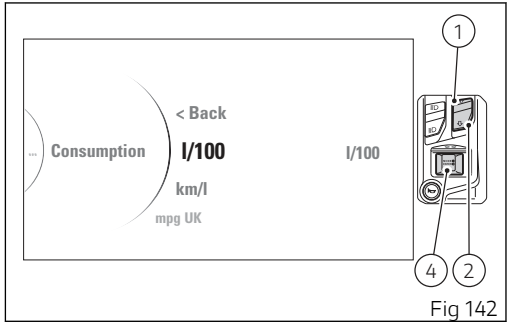


Fig 142

Setting menu - service information (Service)

This function informs the user on the deadlines for the indications of Oil Service (in km or miles), Desmo Service (in km or miles) and Annual Service (date).

Enter the setting menu (SETTING MENU).
Select “Service” option, by pressing button (1) or (2).
Once function is displayed, press button (4).

When entering this function (Fig 144), the instrument panel will list, for each type of maintenance, the countdown for reaching the maintenance threshold:

- Oil Service with logo and mileage (in km or miles) left before the next threshold;
- Desmo Service with logo and mileage (in km or miles) left before the next threshold;
- Annual Service with logo and expiration date.

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Note
This function does not allow changes to be made.

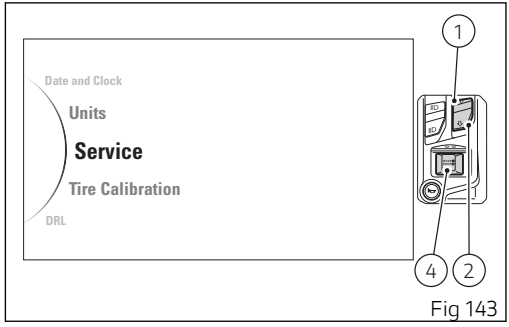


Fig 143

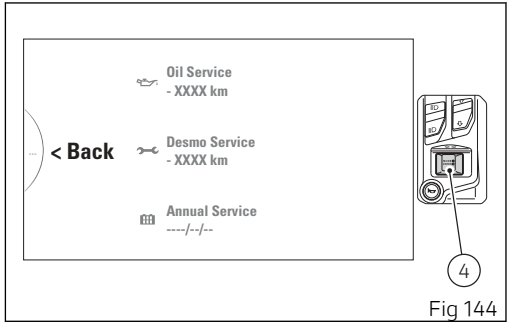


Fig 144

The 1000 mileage Service must be carried out after the first 1,000 km/600 mi.
The Oil mileage Service must be carried out every 15,000 km/9,000 mi.
The Desmo mileage Service must be carried out every 30,000 km/18,000 mi.
The time Service (Annual Service) must be carried out every 12 months.

Service warnings

This indication shows the user that the motorcycle is due for service and must be taken to a Ducati Authorised Service Centre.
The service warning indication can be reset only by the Ducati Authorised Service Centre during servicing.
Service coupon types are: “Oil service”, “Desmo Service” and “Annual service”.

Service coupon deadline warnings are displayed in 2 modes: big (A) and small (B).

When the thresholds set for service coupons are close, the instrument panel activates the following grey warnings for 5 seconds upon each Key-On, showing the remaining distance or days: for “Oil service” and “Desmo Service” it is activated 1,000 km (621 miles) before service is due, for “Annual service” 30 days before service is due.

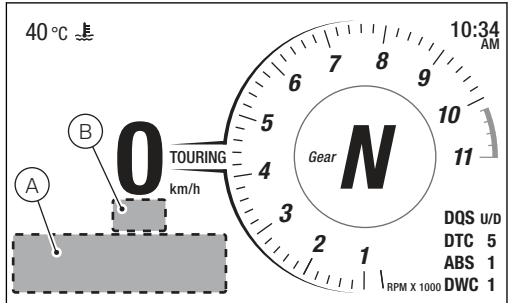


Fig 145

The image (Fig 146) shows the large version on the left and the small version of the relevant service coupons on the right.
Once the threshold of the service coupons has been reached and upon every Key-On, the corresponding signal is activated in large mode (A, Fig 146)for 5 seconds, then the signal toggles to small mode (B, Fig 146): “Oil Service” (C), “Desmo Service” (D), “Annual service” (E).
Service warning is displayed until reset by the Ducati authorised service centre, during maintenance.

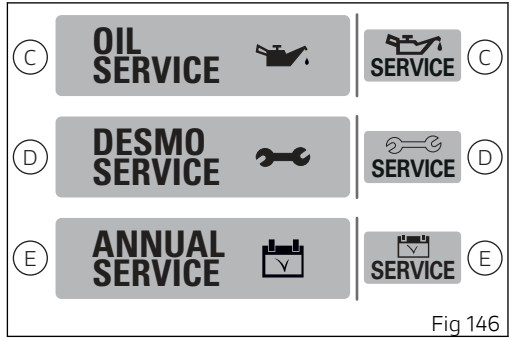


Fig 146

Digital Maintenance

At the pre-set deadlines, it will be necessary to contact your Dealer who will carry out the maintenance scheduled for the deadline indicated on the instrument panel.
Using the dedicated diagnosis instrument, the Dealer will confirm that the service has been performed and postpone the next due deadlines.
The history of routine maintenance is saved on Ducati's servers in order to certify that it has been carried out (it is a digital maintenance booklet).

The bike owner is able to see the performed services both in the MyGarage reserved area (on Ducati.com website) and in the MyDucati App.

Setting menu - tyre setting and drive ratio (Tyre Calibration)

This function allows the user to run the procedure for calibrating and teaching in the tyre rolling circumference or to restore their original values. It also allows you to correctly learn the final drive ratio (front sprocket/rear sprocket) in the event of modifications to the approved configuration. Refer to the table of permitted front sprocket/rear sprocket combinations for this model, if any.

Then perform the Tyre Calibration function:

- if tyres must be replaced
- if final drive ratio must be changed

To open this function:

- Enter the setting menu (SETTING MENU).
- Select "Tire Calibration" option, by pressing button (1) or (2). Once function is displayed, press button (4).



Fig 147

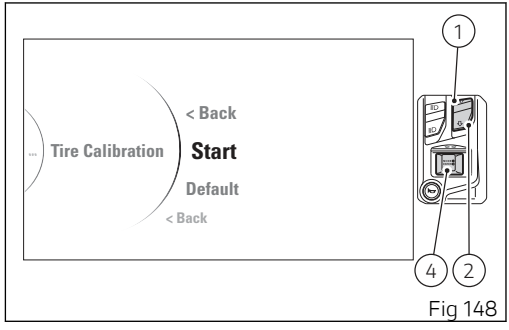


Fig 148

As you enter this function (Fig 148), the instrument panel displays the following indications:

- < Back
- Start
- Default
- < Back

"Default" indication is visible only if the set parameter is different from the default parameter.

To exit the menu and go back to previous page highlight the "< Back" indication using button (1) or (2) and press button (4).
To start the drive ratio and tyre calibration procedure, highlight "Start" option and press button (4).

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

Important

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

When the rider complies with the required conditions of vehicle speed and gear displayed, the instrument panel starts system calibration: all previous information will be displayed showing "In progress" instead of "Ready".

Calibration is performed by keeping speed and gear within the indicated range for 5 seconds.

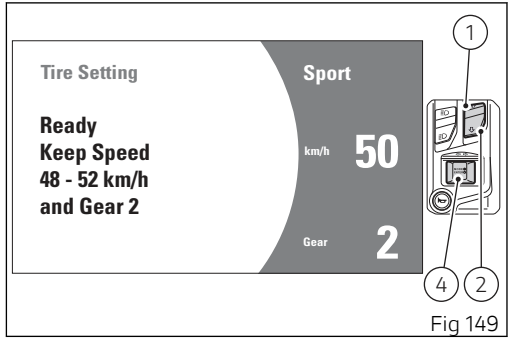


Fig 149

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

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

Note
During calibration, the procedure can be aborted and user can go back to standard screen by pressing button (1) for 2 seconds.

Note
If during the calibration procedure a vehicle key-off is performed, the procedure will stop and end with negative result.

If the calibration procedure is aborted by the user, the instrument panel shows “Aborted” (Fig 151) followed by the previous screen after a few seconds.

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

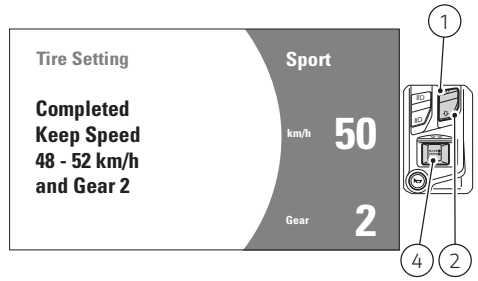


Fig 150

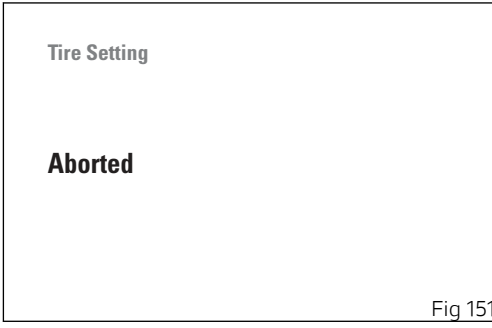


Fig 151

To reset to the default settings, use buttons (1) and (2) to select "Default" (Fig 148) and press button (4). Then, the instrument panel shows “Default Please Wait...” (Fig 152) and after a while "Default ok" (Fig 153) for 2 seconds, then followed by the previous screen.

Attention

Changing the final drive ratio is only allowed for circuit (racetrack) use of the motorcycle, not on public roads.

Attention

In the event of front sprocket and/or rear sprocket replacement, after performing the “Tyre Calibration” procedure, it is necessary to go to an authorised Ducati dealer who will perform a “drive adaptive system reset” with the diagnosis instrument. This allows you to avoid false plausibility diagnoses related to the final drive ratio modification.

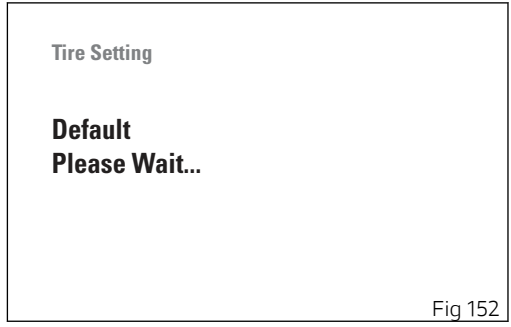


Fig 152

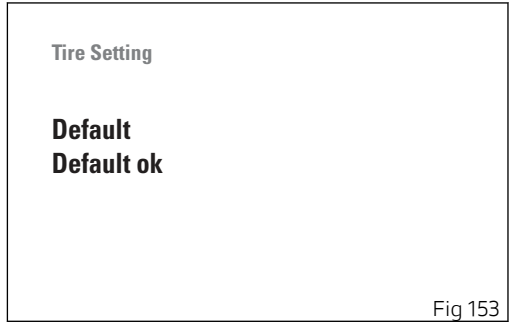


Fig 153

Attention
Changing the final drive ratio immediately makes the warranty null and void and the motorcycle can not be used on public roads as it no longer corresponds to the type-approved version.

Setting menu - DRL light mode setting - accessory (DRL)

This function is available only if the DRL light is installed and allows setting the DRL control to automatic (Auto) or manual (Manual) mode.

Enter the setting menu (SETTING MENU). Select "DRL" option, by pressing button (1) or (2). Once function is displayed, press button (4).

As you enter this function, the instrument panel displays the following indications:

- < Back
- Auto
- Manual
- < Back

Use buttons (1) and (2) to select the desired setting:

- by selecting “Auto” the DRL light is automatically switched from the day mode to the night mode and vice versa according to the ambient light;
- by selecting “Manual” the automatic management of DRL light is disabled.

Once required mode is highlighted, press button (4) to confirm.

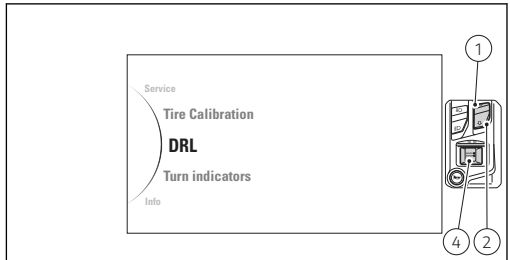


Fig 154

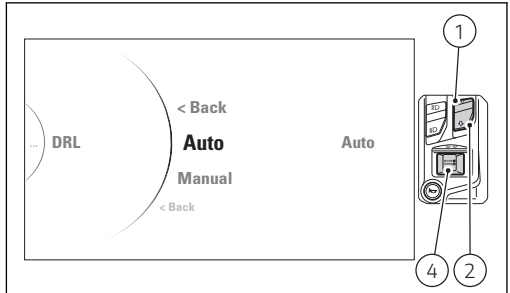


Fig 155

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Note

This setting (“Auto” or “Manual”) remains stored even after Key-Off. In the event of an interruption of the power supply from the battery (Battery Off), when power is restored at the next Key-On, the mode will always be set by default to the “Auto” mode.

Setting menu - turn indicator mode setting (Turn Indicators)

This function allows user to set the strategy for automatically switching off the turn indicators based on lean angle, vehicle speed and distance run to automatic mode or manual mode.

Enter the setting menu (SETTING MENU).
Select "Turn Indicators" by pressing button (1) or (2).
Once function is displayed, press button (4).

As you enter this function, the instrument panel displays the following indications:

- < Back
- Auto
- Manual
- < Back

Use buttons (1) and (2) to select the desired setting:

- by selecting "Auto", the system activates the self-cancel strategy of the turn indicators;
- by selecting "Manual", the system disabled the self-cancel strategy of the turn indicators (so the turn indicators can be turned off manually only by pressing the dedicated button).

Once the desired function is highlighted, press button (4) to set the selected mode.

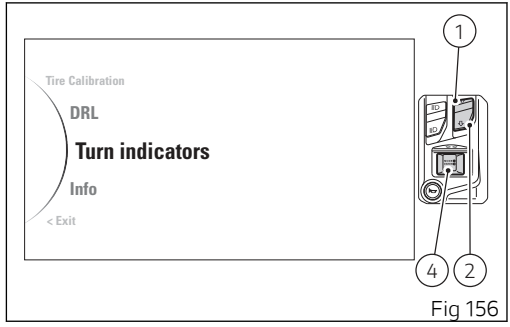


Fig 156

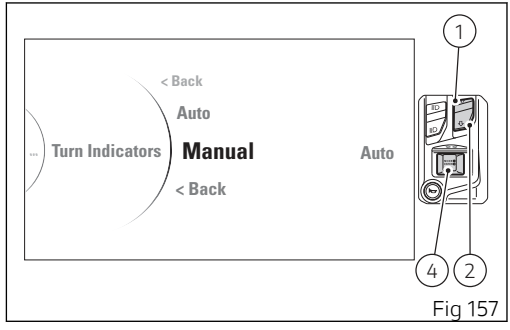


Fig 157

To exit the menu and go back to previous page highlight the "< Back" indication and press button (4).

Note

This setting (“AUTO” or “MANUAL”) remains stored even after Key-Off. In the event of an interruption of the power supply from the battery (Battery Off), when power is restored at the next Key-On, the mode will always be set by default to the “AUTO” mode.

Note

The strategy for automatically switching off the turn indicators is not active if all turn indicators are on at the same time (Hazard function).

Setting menu - information (Info)

This function allows viewing the vehicle battery voltage and the RPM "digital" indication.

Enter the setting menu (SETTING MENU).
Select "Info" option, by pressing button (1) or (2).
Once function is displayed, press button (4).

When entering this function, the instrument panel displays:

- "Battery" with battery voltage value;
- "rpm" with the number of engine rpm in digital format.

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

"Battery" information is displayed as follows:

- if the battery voltage is equal to or lower than 10.9 V, the "LOW" message will be displayed in red and flashing;
- if battery voltage is between 11.0 V and 11.7 V the reading will be displayed in red and flashing;
- if battery voltage is between 11.8 V and 14.9 V the reading will be displayed steadily with the battery icon on a standard background;
- if battery voltage is between 15.0 V and 16.0 V the reading will be displayed in red and flashing;



Fig 158

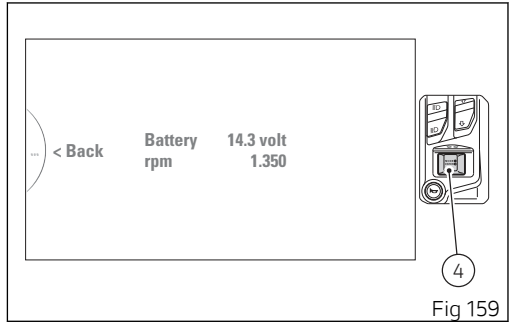


Fig 159

- if the battery voltage is equal to or higher than 16.1 V, "HIGH" will be displayed in red and flashing.

The engine "rpm" indication in digital format is recommended for improved accuracy when setting idle rpm.
The display shows the numerical value of the engine 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.

Lap time (Lap)

To activate the Lap function, refer to chapter "Setting menu - lap timer (Lap)" page 170.

When the Lap function is activated, the timer is displayed on the main screen indicating 0'00.00 as well as the lap number with first indication "Lap - -". When button (3) is pressed for the first time, the lap timer starts with a tenth-of-a-second resolution and the Lap number in progress is displayed. Both data flash for 4 seconds and then remain steady on.
Every time button (3) is pressed again, the display shows the number and time of the just-ended lap for 6 seconds.
Then the timer and the number of the new current lap are displayed again.
If lap timer is active but motorcycle is at standstill, lap timer is stopped after 5 seconds and it is displayed with the initial indication 0'00.00 and the lap number "Lap - -".
The next time rider pushes button (3), the lap timer is reactivated.

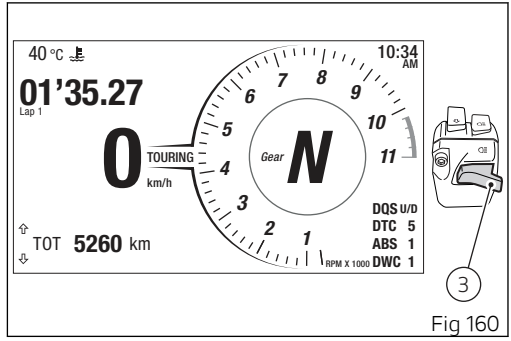


Fig 160

Note

When LAP function is active, button (3) takes on the dual function of high beam Flash and LAP timer Start/Stop.

It is possible to record the lap time, for a total of 30 consecutive laps.
Laps are numbered from 01 to 30: when lap 30 is reached, "FULL" is displayed steadily when button (3) is pressed.
To delete the recorded laps, refer to paragraph "Setting menu - lap timer (Lap)" page 170.

The instrument panel disables the Lap function in the following cases:

- through the relevant On/Off function via the setting menu;
- after deleting the stored Laps via setting menu;
- after a Key-Off;
- upon any power off.

If lap timer is not stopped, it will reach 9mins, 59secs, 99hunds and then restart from zero and continue until the function is disabled using one of the methods above.

If the Lap function is switched on and the memory has not been cleared, but fewer than 30 laps have been saved (e.g. 18 laps stored), the instrument panel will keep on recording the remaining laps, starting from the first position available until memory is full (in this example, a maximum of another 12 laps can still be stored).

Warning displaying

The instrument panel manages a number of warnings / alarms, aimed at giving useful information to the rider during use.
Upon Key-On, if there are active warnings the instrument panel displays the indication of the present warnings.
When a warning is triggered, the instrument panel will show the warning in a big size for the first 5 seconds and then permanently in a small size.
If several live warnings are present, the corresponding icons will be displayed one after the other and every one will stay on for 3 seconds.

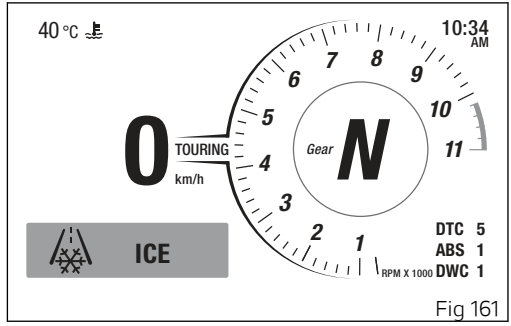


Fig 161

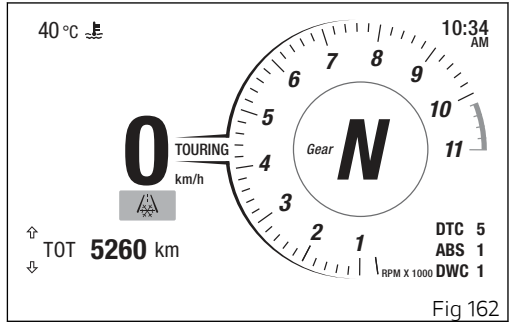


Fig 162

Ice on the road indication (ICE)

This function warns the rider when there might be ice on the road, due to the low external temperature. This warning turns on when temperature drops to 4°C (39°F) and turns off when temperature rises to 6°C (43°F).

Attention

This warning does not eliminate the possibility of icy road areas even with temperatures above 4°C (39°F); when ambient temperature is "low", ride responsibly, especially on road areas not exposed to sunlight and/or on bridges.



Fig 163

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.

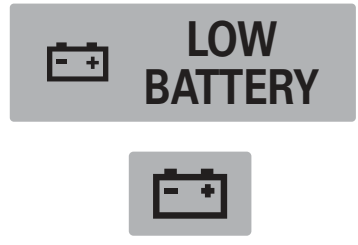


Fig 164

Entering the Date (INSERT DATE)

This function prompts the user to enter the date via the setting menu.

Note
In this case Ducati recommends to stop and enter the calendar date using the function "Date setting (Date and Clock)".

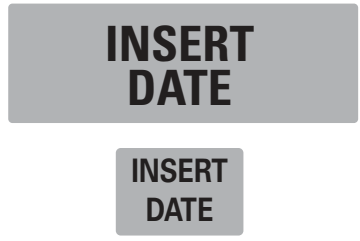


Fig 165

Error warnings

The instrument panel manages error warnings in order to allow the rider to identify any abnormal motorcycle behaviour in real time.
If there is an error, the instrument panel shows the indication in red on the main screen, in large format (A) for the first 10 seconds and then in small format (B).
The warning then remains active until the error is resolved.
When several errors are active, they are displayed in a sequence, one every 5 seconds.

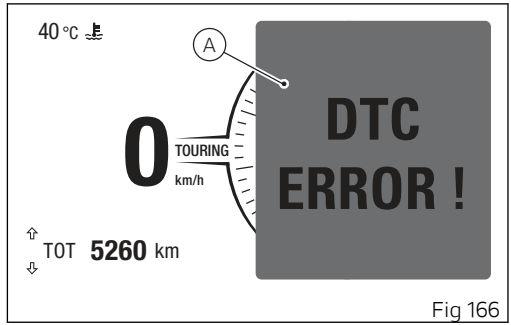


Fig 166

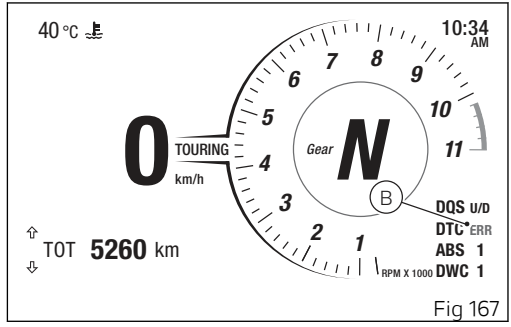


Fig 167

Traction control error! (Fig 168)

Activation of this error indicates that it is necessary to go to a Ducati Authorised Service Centre as the vehicle Traction Control is in error.

ABS error! (Fig 169)

Activation of this error indicates that it is necessary to go to a Ducati Authorised Service Centre as the vehicle ABS is in error.

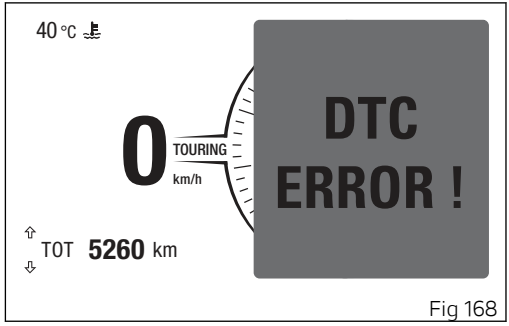


Fig 168

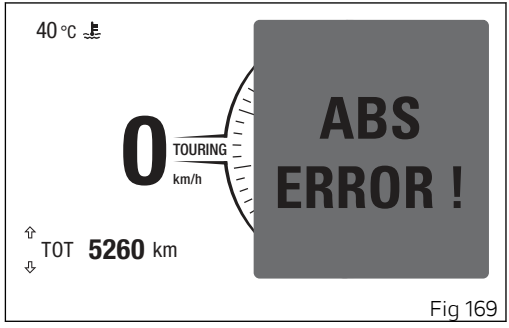


Fig 169

Main use and maintenance operations

"Checking coolant level and topping up, if necessary"

Check coolant level in the expansion tank on the right side of the steering tube.
Check the level according to the intervals indicated in the tables in "Scheduled maintenance chart".
Steer completely to the left and check that the level is between the MIN and MAX marks on the side of the expansion reservoir. Top up if the level is below the MIN mark. Unscrew the filler plug (1) and add ENI Agip Permanent Spezial antifreeze (do not dilute, use pure), until reaching the MAX level.
Screw plug (1). This type of mixture ensures the best operating conditions (the coolant starts to freeze at -20 °C/-4 °F).

Cooling circuit capacity: 2.2 l (0.58 gal).

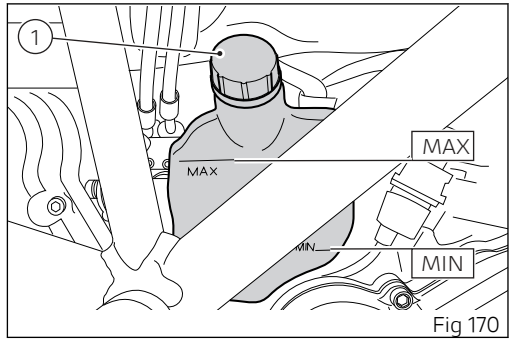


Fig 170

Attention
This operation must be performed with cold engine. Failure to observe the above recommendation may lead to coolant or hot vapour leakage with possible consequent severe burns.

Check clutch and brake fluid level

The levels should not fall below the MIN marks on the respective reservoirs.
If level drops below the limit, air might get into the circuit and affect the operation of the system involved.
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 Authorised Service Centre.

CLUTCH SYSTEM

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

Attention

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

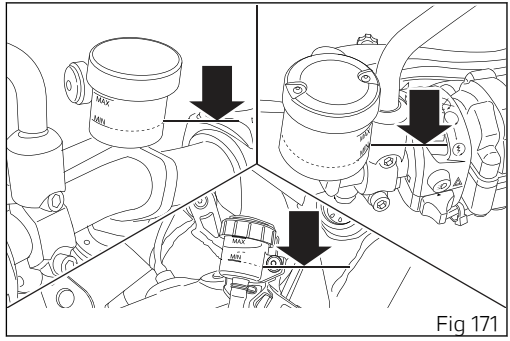


Fig 171

BRAKE SYSTEM

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

Attention

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

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

Checking brake pads for wear

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

Attention

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

Important

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

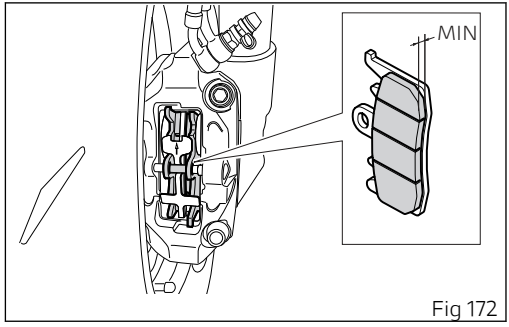


Fig 172

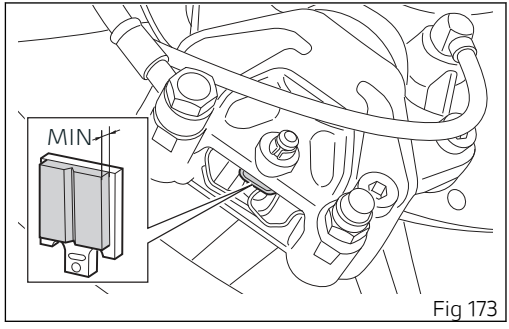


Fig 173

Charging the battery

Removing the battery

To reach the battery it is necessary to remove the seat (see chapter “Seat lock”).
Slide out the cap (1) from the positive pole.
Loosen the two screws (2) and remove the negative (3), ABS positive (4) and motorcycle positive (5) cables.

Open the band (6) by pulling the Velcro edges (7) and slide out the battery (8).

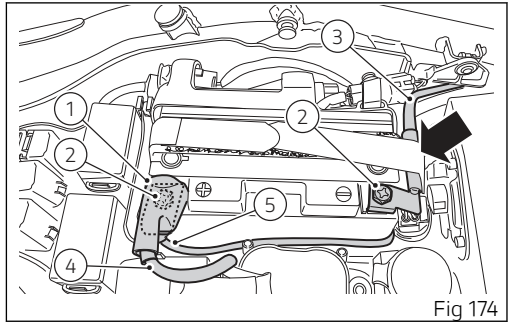


Fig 174

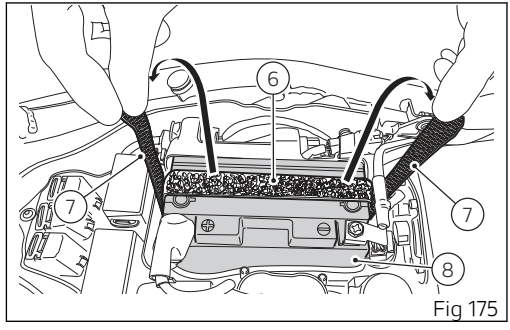


Fig 175

Refitting the battery
Position the battery (8) in the tray, aiming it as indicated.
Fix the battery (8) by pulling the Velcro edges (7) and fixing them on the band (6).

Fix the motorcycle positive (5) and ABS positive (4) cables to the battery positive pole, aiming them as indicated.
Fix the motorcycle negative cable (3) to the battery negative pole, aiming it as indicated.
Tighten the two screws (2) and place the cap (1) on the positive pole.

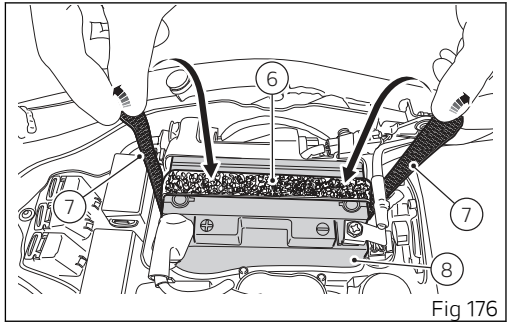


Fig 176

Attention
Make sure the motorcycle negative cable (3) is placed under the band (6) as shown in the figure.

Refit the seat as indicated in chapter “Seat lock”.

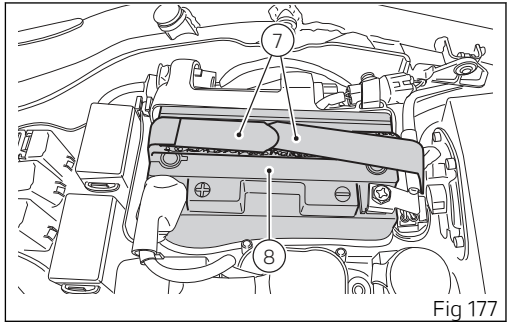


Fig 177

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

Charging the battery
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 (-). It is recommended to use the Ducati dedicated battery charge maintainer (Battery Maintenance Kit part no. 69928471A (Europe), part no. 69928471AW (Japan), 69928471AX (Australia), 69928471AY (UK), 69928471AZ (USA), available from our sales network), and to operate as described in the sub-section “Maintaining the battery charge”.

Attention
Keep the battery out of the reach of children.

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

Attention
Should it be impossible to start the vehicle due to a completely flat battery, it is not permitted to start the bike by connecting an external starter or and external battery in parallel.
The charging system, indeed, is not designed to ensure a correct supply voltage for the engine electronics (including ignition/injection system) with a completely flat battery.
This could lead to a serious functional problem.
Please, replace the battery or recharge it, and check it before using the bike.

Attention
Do not push start the bike.

Checking drive chain tension

Important

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

Make the rear wheel turn until you find the position where chain is tightest. Set the motorcycle on the side stand. With just a finger, push down the chain at the point of measurement and release. Measure the distance (A) between the centre of the chain pins and the aluminium section of the swinging arm. It must be: A = 65 ÷ 67 mm (2.56÷2.64 in).

Important

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

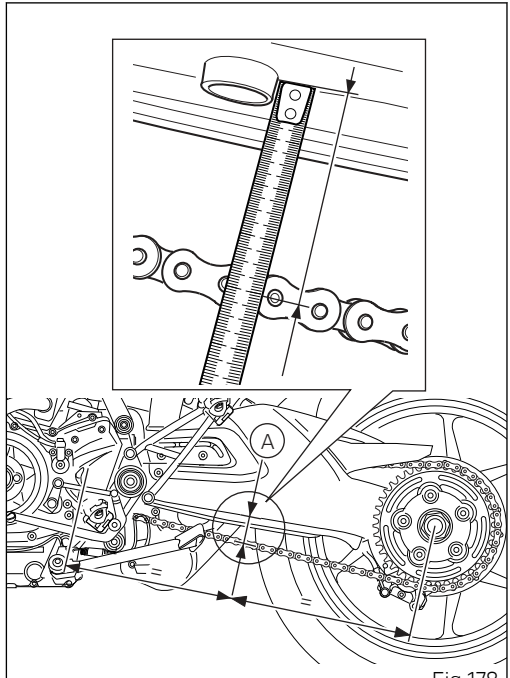


Fig 178

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

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

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

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

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

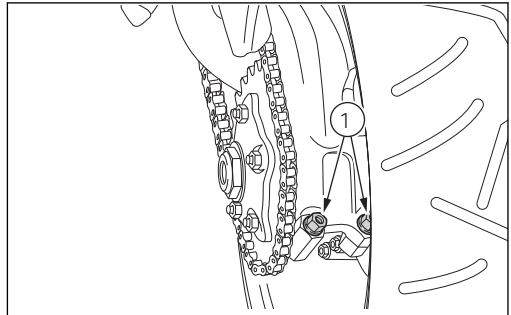


Fig 179

Lubricating the drive chain

Important

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

Attention

Carry out these inspection operations with the engine off, the vehicle at a standstill, on a flat ground and on the stand.

Cleaning

Before proceeding with the chain lubrication it is important to correctly wash and clean it.
The chain cleaning is extremely important for its duration. In fact, it is necessary to remove any mud, soil, sand or dirt from the chain first using a soft damp cloth (1) to soften the most resistant dirt and then with a jet of water and then dry it immediately using compressed air at a distance of at least 30 cm (11.81 in).

Checking the chain

The chain fitted on your motorcycle has O-rings that keep dirt out of and lubricant inside the sliding parts. Check the chain for wear by checking the links at the points indicated (2).

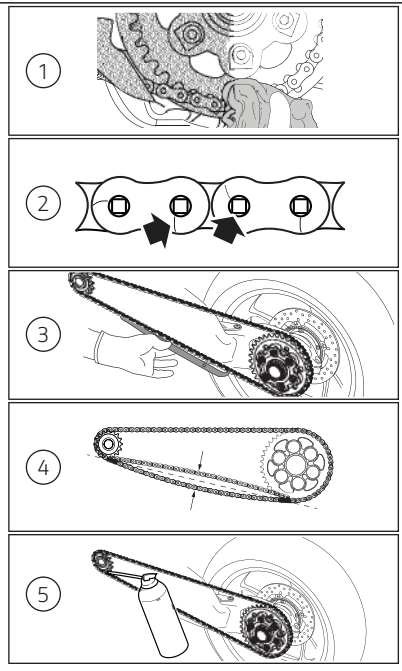


Fig 180

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

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

Checking the sliding shoe
Check the wear of the sliding shoe (3) and, if necessary, contact a Ducati Dealer or Authorised Service Centre.

Checking the tension
Check the chain tension (4) as indicated in the sub-section “Checking the drive chain tension”.
Have the chain tension adjusted by a Ducati Dealer or authorised Service Centre.

Important

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

Attention

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

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

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

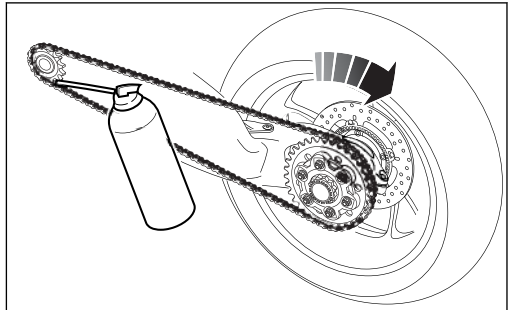


Fig 181

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

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

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

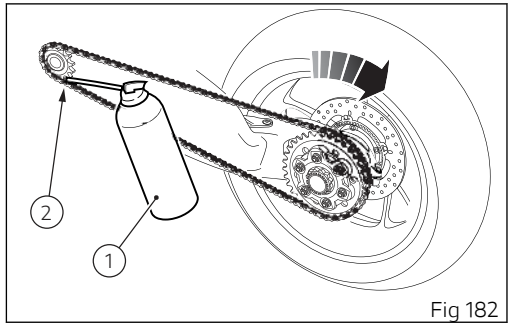


Fig 182

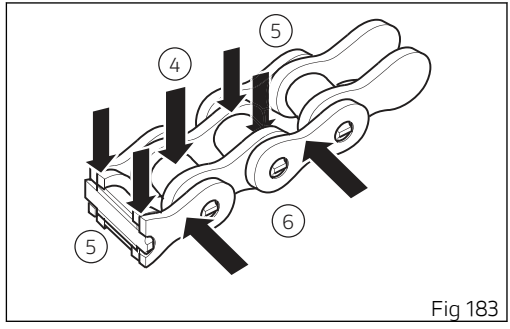
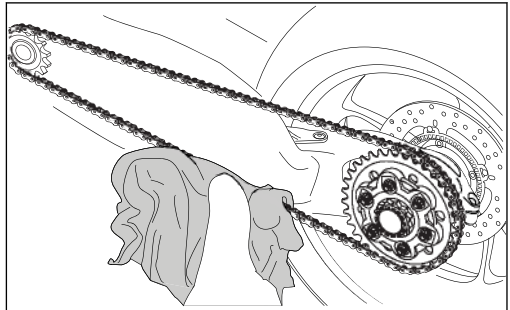


Fig 183

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

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

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


Fig 184

Replacing the headlight bulbs

Important

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

Attention

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

Before replacing a burnt-out bulb, make sure that the new one matches the voltage and wattage specifications in paragraph "Electric System". Always check that the bulb functions before reassembling removed parts.
Loosen the screws (1). Slightly lift the headlight support.

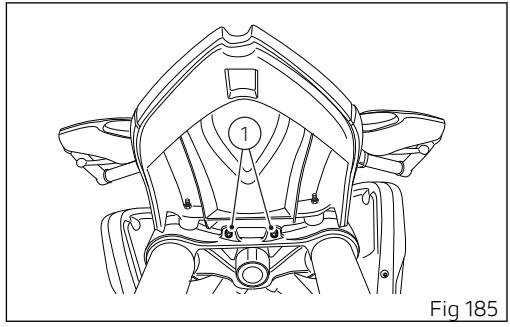
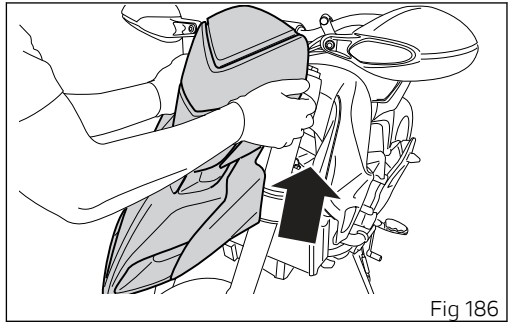


Fig 185


Fig 186

Slide headlight support out of rubber blocks (A).
Slide headlight support toward bike front end until cover (2) is in view.
Loosen cover (2) counter clockwise.

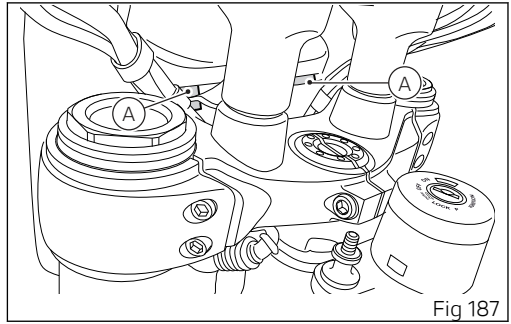


Fig 187

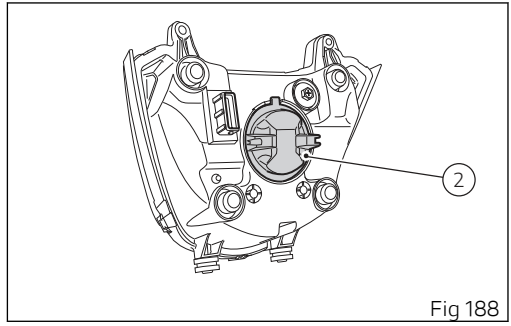


Fig 188

Disconnect the connector.
Release the clip (4).
The bulb (5) has a bayonet joint: press and twist counter clockwise to remove it. Remove the bulb, then fit the new one by pressing and turning clockwise until it clicks into its seat.

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

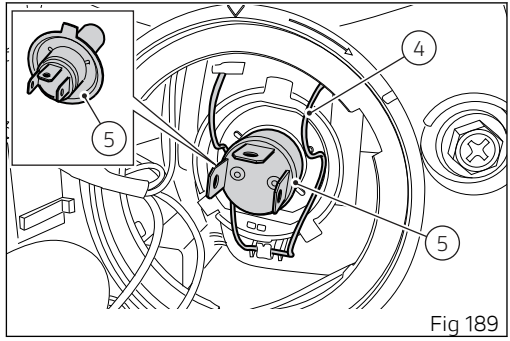


Fig 189

Changing the turn indicator bulbs

Front turn indicators

The front turn indicators are built in the hand guards (1) and are maintenance-free as they are LED type. To reach it, remove the four screws (2) and remove the cover (3).

Important

Have the bulbs changed at a Ducati Dealer or authorised Service Centre.

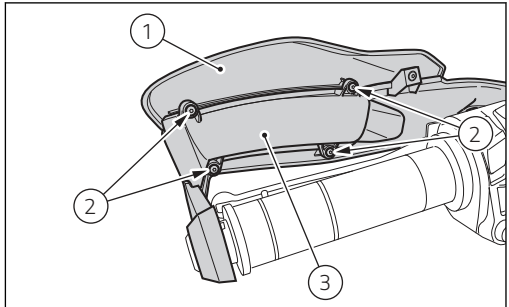


Fig 190

Rear turn indicators

Except for USA/CDN version, turn indicators are LED-type and do not require any maintenance.

USA/CDN versions are equipped with bulb-type turn indicators.
Proceed as specified in case it is necessary to change the bulbs.
Undo the screw (4) and detach the lens (5) from the turn indicator support.
The bulb has a bayonet joint: press and twist counter clockwise to remove it.
Remove the bulb, then fit the new one by pressing and turning clockwise until it clicks into its seat.
Refit the lens (5) by inserting the tab in the corresponding slot in the turn indicator support.
Tighten the screw (4).

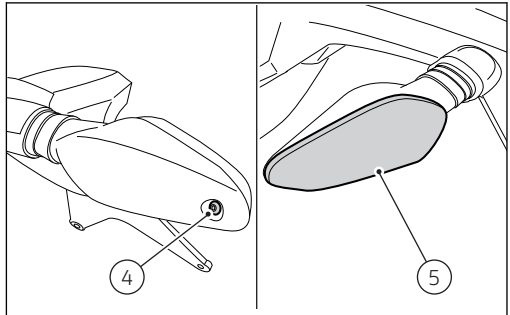


Fig 191

Number plate light

The LED number plate light is maintenance-free.

Important

Have the bulbs changed at a Ducati Dealer or authorised Service Centre.

Aligning the headlight

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

Check correct headlight aiming. Position the motorcycle 10 m (32.8 ft) from a wall or a screen, the motorcycle must be perfectly upright with the Tyres inflated to the correct pressure and with a rider seated, perfectly perpendicular to the longitudinal axis. On the wall or surface, draw a horizontal line at the same height from the ground as the centre of the headlight and a vertical line aligned with the longitudinal axis of the motorcycle. If possible, perform this check in dim light. Switch on the low beam and adjust right and left beams. The height of the upper limit between the dark area and the lit area must not be more than 9/10 of the height from the ground of the headlight centre.

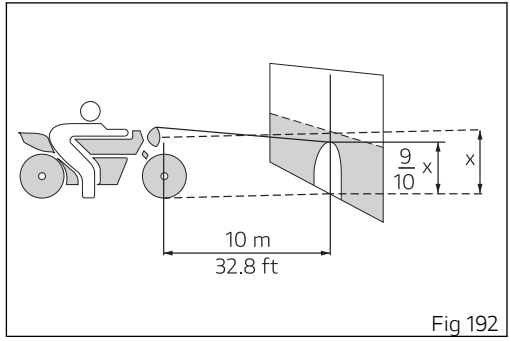


Fig 192

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

Aligning the headlight

Turn the screw (1) to set beam height.
Turn screw (1) clockwise to move beam up.
Turn screw (1) counter clockwise to move beam down.

Important

Headlight beam adjuster screws have no limit stop.

Attention

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

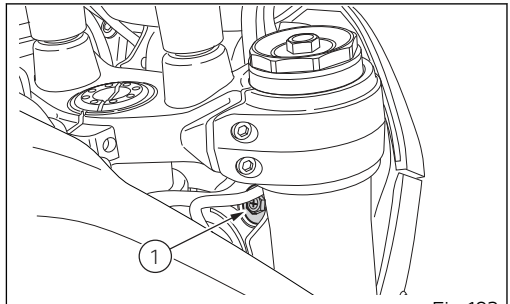


Fig 193

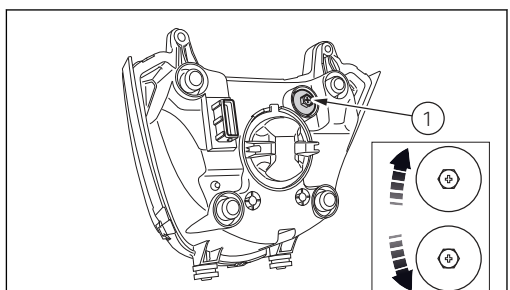


Fig 194

Adjusting the rear-view mirrors

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

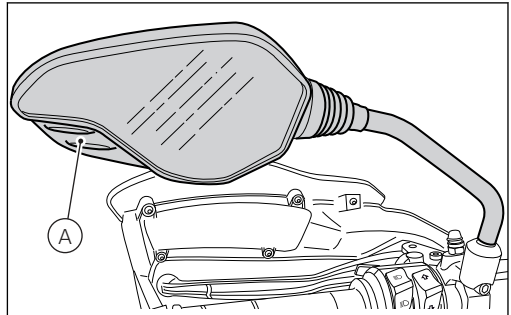


Fig 195

Tubeless tyres

For information on tyre type and inflation pressure, see the "Tyres" sub-section in the "Technical specifications" section.

Important

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

Tyre repair or change (Tubeless tyres)

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

Attention

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

After replacing a tyre, the wheel must be balanced.

Attention

Do not remove or shift the wheel balancing weights.

Note

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

Minimum tread depth

Measure tread depth (S, Fig 196) at the point where tread is most worn down: it should not be less than 2 mm, and in any case not less than the legal limit.

Important

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

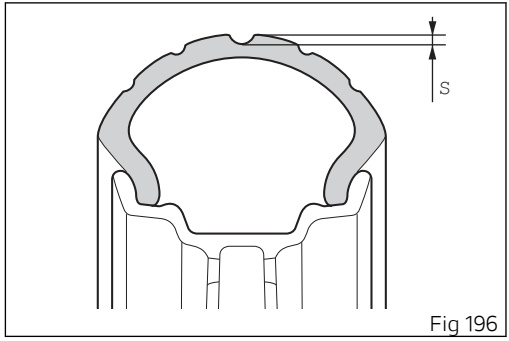


Fig 196

Check engine oil level

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

Important

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

Attention

Engine oil and oil filters must be changed by a Ducati Dealer or Authorised Service Centre at the intervals specified in the scheduled maintenance chart in this booklet (sub-section "Scheduled maintenance plan").

To check the oil level correctly, carefully follow the instructions below.
1) The level should be checked at warm engine, about 15 minutes after the engine has been stopped.

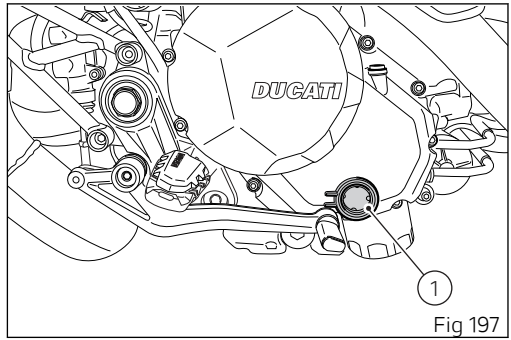


Fig 197

2) Turn off the engine and wait 10\15 minutes to allow the oil to flow completely inside the sump.
3) Position the bike with both wheels on a flat ground and in straight position.
4) Then, check the engine oil through the sight glass.
5) If the oil level is below the middle line between the MIN and MAX marks, add oil until reaching the maximum level indication.

Attention

Never exceed the MAX mark.

Recommendations concerning oil

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

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

Attention

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

- viscosity grade SAE 15W-50.

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

Cleaning the motorcycle

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

Note

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

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

Important

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

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

Attention

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

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

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

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

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

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

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

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

Important
Composite components, particularly structural components designed for high-temperature applications (e.g. swinging arm), are by their very nature subject to matrix colour changes due to time, exposure to atmospheric agents and/or heat sources. Such components can therefore change their colouring and/or general appearance over time and such changes are not an indication of non-conformity or degradation of the material and/or product and/or component, nor can such a change be considered an aesthetic defect (being a peculiar characteristic of the material), nor a structural defect (as in no way it compromises the functionality of the component).

Storing the motorcycle

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

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

Battery should be checked and charged (or replaced, as required) whenever the motorcycle has been left unridden 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 set certain noise and pollution standards.
Periodically carry out the required checks and renew parts as necessary, using Ducati original spare parts, in compliance with the regulations in the country concerned.

Various electronic components of your vehicle have data memories that temporarily or permanently store technical information on the status, events and faults of the vehicle.
In general, this information documents the status of a component, module, system or environment.

- Operating status of system components (e.g. emission control system).
- Status messages of the vehicle and its components (e.g. wheel rotation speed, engine rpm, engaged gear, etc.)
- Malfunctions and faults of important system components (e.g. lights, brakes, etc.)
- Vehicle response in particular riding situations (e.g. traction control system, etc.)
- Environmental conditions (e.g. temperature, etc.)

These data are always of a technical nature and are used to detect and correct faults and optimise vehicle functions.
During service operations such as repairs, maintenance activities, operations under warranty, and quality assurance, service network personnel

(including manufacturers) can read this technical information from the event and fault data memory using special diagnostic tools. Once the fault has been eliminated, it is possible to progressively delete or overwrite the information in the fault memory.
Vehicle data are collected as a result of a service requested by the Customer or provided under a contract (on the vehicle).
Within the scope of these services, personal data are processed in compliance with current legislation on data protection, based on a legitimate interest of Ducati to ensure increasingly efficient assistance, and finally to comply with legal obligations (e.g. information obligations on repairs and maintenance). If necessary, personal data are read and used in combination with the vehicle identification number.
Our control units do not collect geolocation data.

Vehicle transport

Before transporting the motorcycle using another vehicle, follow the safety instructions below.

- Remove all loose objects and accessories from the vehicle.
- Align the front wheel straight in the riding direction and lock it properly to prevent any movement.
- Engage the first gear.
- Use the anchoring straps and apply them to strong components (e.g. frame) and NOT to the handlebar (or handlebars, where present) or to components that could break (e.g. handgrips, rear-view mirrors, etc.).
- The straps or ropes must NOT rub against any painted motorcycle components.
- The suspensions, if possible, must be in a partially compressed position so as to allow less movement of the vehicle with respect to the road surface during transport.

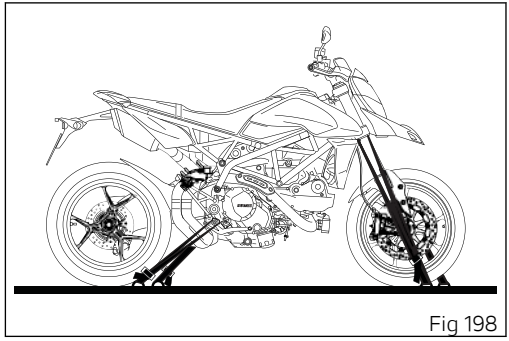


Fig 198

Do NOT attach the ropes to the handlebar.

Scheduled maintenance chart

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

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.

	Time Service *	DESMO mileage Service *	Mileage Service *	1000 Mileage Service *	
Reading of the error memory with DDS 2.0 and check of technical updates and recall campaigns on DCS	•	•			12
Change engine oil and filter	•	•			12
Check and clean air filter		•			12
Change air filter			•		
Change timing belts			•		60

	1000 Mileage Service *	Mileage Service *	DESMO mileage Service *	Time Service *	
Check and/or adjust valve clearance				•	
Change spark plugs				•	
Change coolant (if present)				•	48
Change front fork fluid	every 45,000 km/ 27,000 mi				
Change front fork fluid	•	•			12
Visually check the front fork and rear shock absorber seals	•	•			12
Check brake and clutch fluid level (if present)					24
Change brake and clutch fluid level (if present)					12
Check front and rear brake disk and pad wear		•			12
Check the proper tightening of the front and rear brake calliper bolts and the front brake disc bolts		•			12
Check rear brake disk screw tightening (by removing the rear wheel shaft in case of brake disk retaining screws requiring the use of hexagon wrench)				•	
Check front and rear wheel nuts and rear sprocket nut tightening		•			12

	1000 Mileage Service *	Mileage Service *	DESMO mileage Service *	Time Service *	
Mileage Service Check the tightening of frame fasteners to engine, swinging arm and rear shock absorber		•			12
Check the tightening of frame fasteners to engine, swinging arm and rear shock absorber		•			12
Check wheel hub bearings		•			12
Check the cush drive damper on rear sprocket and lubricate the rear wheel shaft				•	
Check wear of chain, front and rear sprocket, and final drive chain elongation, tension and lubrication. Detected elongation value:_____ (mm) (in) **Note** We recommend replacing the final drive chain kit within 20,000 km/12,000 mi.	•	•			12
Check play of steering tube bearings		•			12
Check the freedom of movement and tightening of the side stand	•	•			12
Check that all gaiters and flexible hoses in view (e.g. fuel, brake and clutch hoses, cooling system, bleeding, drainage, etc.) are not cracked, are properly sealing and positioned	•	•			12

			Time Service *	
		DESMO mileage Service *		
	Mileage Service *			
1000 Mileage Service *				
Check free play of rear brake lever and lubricate the levers at the handlebar and pedal controls	•	•		12
Check the free play of the cable clutch lever (where present)	•	•		12
Check tyre pressure and wear	•	•		12
Check the operation of all electric safety devices (clutch and side stand sensor, front and rear brake switches, engine kill switch, gear/neutral sensor)	•	•		12
Check lighting devices, turn indicators, horn and controls operation	•	•		12
Final test and road test of the motorcycle, testing safety devices (e.g. ABS, DTC and VHC), electric fans and idling	•	•	•	12
Visual check of the coolant level and of sealing of the circuit (if present)	•	•	•	12
Softly clean the motorcycle	•	•	•	12
Service coupon registration with turning off of Service warning light on instrument panel with DDS 3.0 and filling in of the on-board documentation (Service Booklet)	•	•	•	12

* The 1000 mileage Service must be carried out after the first 1,000 km/600 mi.
* The Oil mileage Service must be carried out every 15,000 km/9,000 mi.
* The DESMO mileage Service must be carried out every 30,000 km/18,000 mi.

* The Time Service 🕮 must be carried out every 12 months.

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. x1,000	0.6
	Months	6
Check engine oil level		●
Check brake fluid level		●
Check tyre pressure and wear		●
Check the drive chain tension and lubrication		●
Check brake pads. If necessary, contact your dealer to replace pads		●

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

Technical data

Weights

Overall Weight (in running order with 90% of fuel - 44/2014/EU Annex XI)	200 kg (440.92 lb) 205 kg (451.95 lb) China version only
Overall weight (without fluids and battery)	178 kg (392.42 lb) 195 kg (429.90 lb) China version only
Maximum allowed weight (carrying full load)	375 kg (826.73 lb)

Attention

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

Dimensions

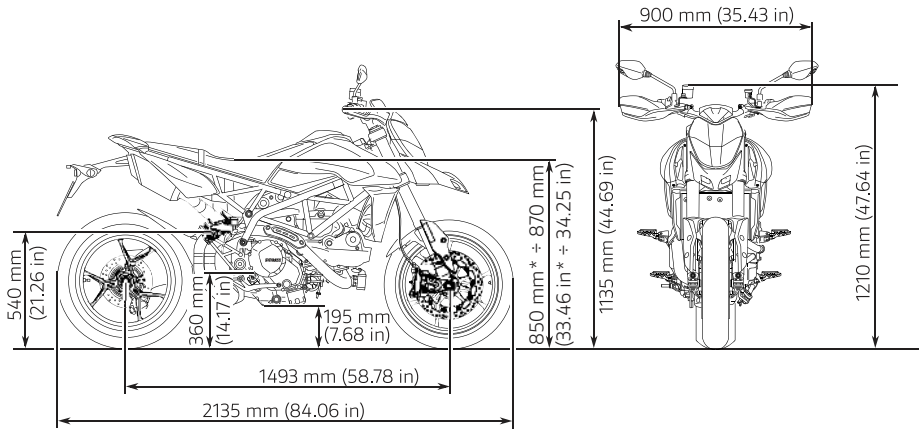


Fig 199

* only for ROK and TWN versions.

"Fuel, lubricants and other fluids"

TOP-UPS	TYPE	
Fuel tank, including a reserve of 3.5 litres (0.77 UK gal)	Ducati recommends SHELL V-Power unleaded premium fuel with a minimum of octane rating of RON 95	14.5 litres (3.19 UK gal)
Lubrication circuit	Ducati prescribes the only use of SAE 15W-50/JASO MA2 oil and recommends the use of Shell Advance 4T Ultra 15W-50 oil (JASO: MA2 and API: SN). SHELL Advance DUCATI 15W-50 Fully Synthetic Oil (UK VERSION)	3.35 litres (0.74 UK gal)
Front/rear brake and clutch circuits	DOT 4	-
Protectant for electric contacts	Protective spray for electric systems	-
Front fork		145±2 cm^3 (5.59 in) (measured without spring and preload tube, with rod fully home)
Cooling circuit	ENI Agip Permanent Spezial antifreeze (do not dilute, use pure)	2.2 litres (0.48 UK gal)

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

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

Important
These references identify the fuel recommended for this vehicle, as specified by the European Regulation EN228.



Engine

Desmodromic timing system with toothed belt, two overhead camshafts, 4 valves per cylinder and 8 rocker arms

Bore, mm: : 94 mm (3.7 in)

Stroke, mm: 67.5 mm (2.66 in)

Total displacement, cu. cm: 936.9 cu. cm (57.17 cu in)

Compression ratio: (13.3±0.5):1

Maximum power at crankshaft (EU) Regulation no. 134/2014, Annex X, kW/HP:
84 kW / 114.3 HP at 9000 rpm
82.5 kW / 112.2 HP at 9000 rpm China version only

Maximum torque at crankshaft (EU) Regulation no. 134/2014 Annex X:
95.6 Nm - 9.8 kgm at 7250 rpm
93.5 Nm - 9.5 kgm at 7250 rpm China version only

Maximum rpm: 10200

Important

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

Note

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

Timing system

DESMODROMIC system with four valves per cylinder controlled by eight rocker arms and two overhead camshafts. This system is driven by the crankshaft through spur gears, belt rollers and toothed belts.

Desmodromic timing system

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

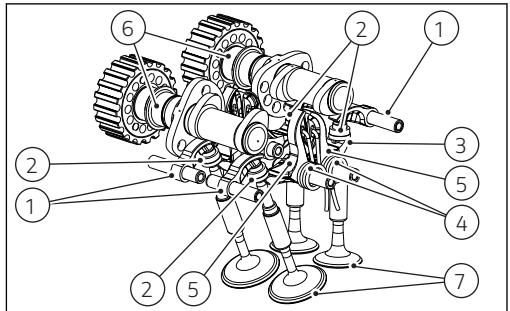


Fig 200

Performance data

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

Important

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

Spark plugs

Make:
NGK
Type:
MAR9A-J

Fuel system

Continental indirect electronic injection.
Throttle body with full Ride by wire system, round cross-section having a diameter of 53 mm (2.09 in).
Injectors per cylinder: 1.
Firing points per injector: 4.
Fuel supply: 95-98 RON.

Attention

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

Brakes

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

FRONT

Front brake discs

Semi-floating 320 mm (12.6 in) twin-disc.
Braking material: stainless steel.
Disc thickness: 4.5 mm (0.18 in).
Maximum wear on disc thickness: 4 mm (0.16 in).

Front brake control

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

Front brake callipers

Brake calliper make: BREMBO.
Type: M4.32 b.

Friction material: TT 2182 FF.
Calliper cylinder diameter: 32 mm (1.26 in).

Front brake master cylinder

Front brake master cylinder: PR18/19.
Cylinder Ø: 18 mm (0.71 in).

REAR

Rear brake disc

With fixed drilled steel disc.
Disc diameter: 245 mm (9.65 in).
Disc thickness: 5 mm (0.2 in).
Maximum disc wear: 4.5 mm (0.18 in).

Rear brake control

Hydraulically operated by a pedal on RH side.

Rear brake calliper

Make: BREMBO
Calliper cylinder diameter: 34 mm (1.34 in).
Type: P34e.
Friction material: TT2172 HH.

Rear brake master cylinder

Cylinder Ø: 11 mm (0.43 in).

Attention

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

Transmission

Multiplate wet clutch controlled mechanically, by the lever on left-hand side of the handlebar. Self-servo and slipper mechanism.
Drive is transmitted from engine to gearbox primary shaft via spur gears.
Front chain sprocket/clutch gearwheel ratio: 33/61
6-speed gearbox with constant mesh gears, gear change pedal on left side of motorcycle.

Gearbox output sprocket/rear chain sprocket ratio: 15/43
Total gear ratios:
1st gear 15/37
2nd gear 17/30
3rd gear 20/28
4th gear 22/26
5th gear 23/24
6th gear 24/23

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

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 authorised Service Centre.
If improperly replaced, this component could seriously endanger your safety, as well as the passenger one, and cause irreparable damage to your motorcycle.

Frame
Steel tubular trellis with 34 mm main tubes.
Steel rear subframe.
Steering head angle: 25.5°.
Steering angle: 35° LH side / 35° RH side.
Trail: 104 mm (4.09 in).

Wheels
Front
Light-alloy rims with 3 Y-shaped spokes.
Size: MT3.50x17" M/C

Rear
Light-alloy rims with 3 Y-shaped spokes.
Size: MT5.50x17" M/C

Both wheel shafts can be removed.

Tyres
Tyre type
Front
Pirelli Diablo Rosso III "tubeless" radial type.
Size:
120/70-ZR17 M/C (58W).
Rear
Pirelli Diablo Rosso III "tubeless" radial type.
Size:
180/55-ZR17 M/C (75W) TL (D).

TYRE PRESSURE
Front tyre pressure:
2.50 bar (rider only) - 2.50 bar (full load).
Rear tyre pressure:
2.50 bar (rider only) - 2.90 bar (full load).
As tyre pressure is affected by ambient temperature and altitude variations, you are advised to check and adjust it whenever you are riding in areas where ample variations in temperature or altitude occur.

Suspension

Front

Marzocchi fully-adjustable hydraulic fork.
Stanchion diameter:
45 mm (1.77 in).
Wheel travel:
170 mm (6.69 in).

Rear

Sachs progressive shock absorber. The shock absorber is adjustable for rebound and spring preload. At the bottom pivot point it is connected to a die-cast aluminium single-sided swinging arm. The whole system gives the motorcycle excellent stability.
Suspension travel:
61.5 mm (2.42 in).
Rear wheel travel:
150 mm (5.91 in).

Exhaust system

2 into 1 into 2 exhaust system with aluminium tailpipes, catalytic converter and 2 lambda sensors.

Available colours

DUCATI RED

Primer (White Acriflex) code L0040652 (LECHLER);
Varnish (Acriplast Red Stoner SF) code LMC06017 (LECHLER).
Subframe Mineral Grey, product type: Interpon A3000 Mineral Grey code MW/2/11375AVB (Akzo Nobel);
Red **frame**, product type: Powder Coat code QG000K (Akzo Nobel).
Black wheel **rims**; including:
Primer Power Primer code P09809-C (Petere Lacke).
Top coat PEHADUR EINBRENNLACK code VPCH03250 (Petere Lacke).

REPLICA VILLA D'ESTE

Tank cover and lower headlight trim:
Primer: White primer code DS20052 (LECHLER);
Base: Red GP19 code 0084 (PPG);
Clear coat 1: DECOSEALER code 31676 (LECHLER);
Clear coat 2: TIXO KLARLACK code 09 96230
Radiator cover, upper headlight trim and side panels:
Primer: Black primer code DS20051 (LECHLER);

Base: Black Stealth code 929.R223 (PALINAL);
Clear Coat 1: DECOSEALER code 31676 (LECHLER);
Clear Coat 2: TIXO KLARLACK 09 code 96230 (LECHLER).
Front mudguard and tail light cover:
Primer: Black primer code DS20051 (LECHLER);
Base: Black Stealth code 929.R223 (PALINAL);
Clear Coat: TIXO KLARLACK 09 code 96230 (LECHLER).
Silver Ice **subframe**:
Primer: Primer Gray code EP050V (Akzo Nobel);
Silver Ice base: 1K Matt Base White code 4MWM4;
Clear Coat: MATTE CLEAR 5 GLOSS (Nippon Paint).
Glossy black **frame**, Interpon code A300 YN000TH (Akzo Nobel).
Glossy black wheel **rims** + red GP19;
Primer: Akzo Nobel EP050V;
Primer white code 43NK002 (Akzo oNbel);
Red base coat code BR-TCB-005AE (Akzo Nobel);
Black base coat code 43NL0007 (Akzo Nobel);
Clear coat Aclose Normal Clear (Thai DNT Paint).

The REPLICA VILLA D'ESTE version is equipped with a dedicated seat in addition to the indicated colouring.

Electric system

Basic electric items are:

Headlight

Low/High beam:
H4 blue vision bulb (12V – 60/55W);
parking light: no. 10 LEDs;
DRL lights (not available on China, Canada versions): NO.10 LEDs.

Electrical controls on handlebar

Front turn indicators: No.12 LEDs;
Rear turn indicators:
(Europe version) NO. 1 LED;
(USA version) 12V RY10W bulb.
Horn.
Stop light switches.

Electrical components

Battery, 12V-10 Ah, dry.
Generator 14V - 490W - 35A.
Electronic rectifier, protected by a 30A fuse under the seat.
Starter motor: 12V-0,7 kW.

Tail light

Parking light: No.12 LEDs;
Stop light: No.12 LEDs;
Number plate light: No.3 LEDs.

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

Fuses

There are thirteen fuses that protect the electric components, located inside the front and rear fuse boxes, and one on the solenoid starter. There is a spare fuse in every box.
Refer to the table below to identify the circuits protected by the various fuses and their ratings.

The front fuse box (A) is located on the left side and can be reached by removing the front LH half-fairing. To expose the fuses, lift the box protective cover. Mounting position and ampere capacity are marked on box cover.
The rear fuse box (B) is located under the seat, next to the ABS control unit. To reach the rear fuse box, remove the seat as described in chapter “Seat lock”. To expose the fuses, remove box protective cover. Mounting position and ampere capacity are marked on box cover.

Front fuse box key (A)		
Pos	El. item	Rat.
1	Lights	5 A
2	Instrument panel	10 A
3	Key-1	10 A
4	Key-2	15 A
5	El. loads	20 A
6	-	-
7	BBS	10 A
8	Spare	5 A

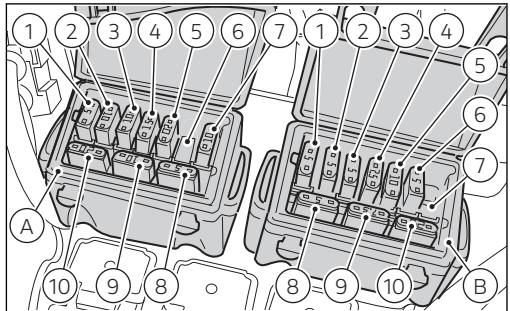


Fig 201

Front fuse box key (A)		
9	Spare	10 A
10	Spare	20 A

Rear fuse box key (B)		
Pos	El. item	Rat.
1	Key-optional	5 A
2	Alarm	5 A
3	Stop	7.5 A

Rear fuse box key (B)		
4	Fuel pump relay	10 A
5	ABS Valve	10 A
6	ABS Motor	25 A
7	-	-
8	Spare	5 A
9	Spare	7.5 A
10	Spare	25 A

The main fuse (C) is located next to the rear fuse box, on solenoid starter (D). Remove the fuse cap (E) to reach it. A blown fuse can be identified by breakage of the inner filament (F).

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

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

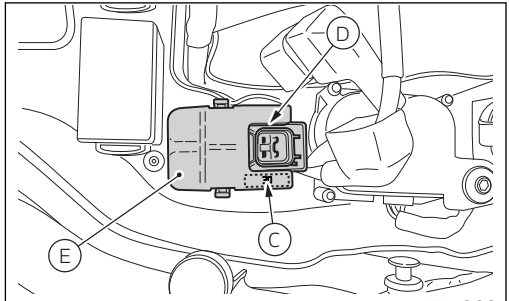


Fig 202

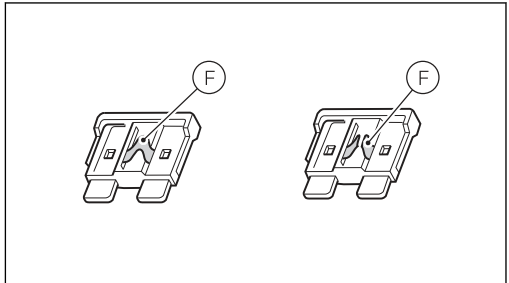


Fig 203

Open source software

Information about open source software

Some vehicle components use open source software. The source code used and information on open source is available online at the following link: https://www.ducati.com/ww/en/home/open-source-software

Declarations of conformity

EU Directive 2014/53/EU

CE

Addresses of radio component manufacturers

All radio components must carry the manufacturer's address according to the provisions of directive 2014/53/EU. For components that, due to their size or nature, cannot be furnished with a sticker, the respective manufacturers' addresses as required by law are listed in the table 2.

Note
Only skilled person can access and install the device.

Table 1

Radio equipment installed in the vehicle	Frequency band	Max. transmission power
Instrument panel	134.7 KHz 119 KHz ÷ 135 KHz	< 66 dBµA/m (10 m)

Ducati Multimedia System (Bluetooth)	2402 ÷ 2480 MHz	4.4mW
Antitheft	433.92MHz (±75KHz)	<0.6mA

Table 2

Radio equipment installed in the vehicle	**Manufacturers' addresses**
Instrument panel	**COBO S.p.a.** Via Tito Speri, 10 25024 Leno (BS), Italy
Ducati Multimedia System (Bluetooth)	**COBO S.p.a.** Via Tito Speri, 10 25024 Leno (BS), Italy
Antitheft	**PATROLLINE** Via Cesare Cantù, 15/C 22031 Albavilla (CO), Italy

Simplified EU declaration of conformity

[Austria]

Ihr Fahrzeug ist mit einer Reihe von Funkgeräten ausgestattet. Die Hersteller dieser Funkgeräte erklären, dass diese, wo gesetzlich vorgeschrieben, mit der Richtlinie 2014/53/EU übereinstimmen. Der vollständige Text der EU-Konformitätserklärung ist unter folgender Adresse verfügbar: certifications.ducati.com

[Belgium]
Votre véhicule est équipé d'une série d'appareillages radio. Les constructeurs de ces appareillages radio déclarent que ces derniers sont conformes à la directive 2014/53/UE lorsque la loi le requiert. Le texte complet de la déclaration de conformité UE est disponible à l'adresse suivante : certifications.ducati.com

[Bulgaria]
Твоят мотоциклет е оборудван с различна по вид радиоапаратура. Производителите на тази радиоапаратура декларират, че тя съответства на Директива 2014/53/ЕС, съгласно изискванията по закон. Пълният текст на декларацията за съответствие ЕС, ще намерите на следния адрес: certifications.ducati.com

[Cyprus]
Το όχημά σας εξοπλίζεται με μια σειρά από ραδιοσυσκευές. Οι κατασκευαστές των συσκευών αυτών δηλώνουν ότι οι συσκευές συμμορφώνονται με την οδηγία 2014/53/ΕΕ, όπου απαιτείται από το νόμο. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ είναι διαθέσιμο στη διεύθυνση: certifications.ducati.com

[Czech Republic]
Vaše vozidlo je vybaveno řadou rádiových zařízení. Výrobci těchto radio zařízení, prohlašují, že zařízení jsou v souladu se směrnicí 2014/53/EU, pokud to vyžaduje zákon. Úplné znění prohlášení o shodě EU je k dispozici na internetových stránkách: certifications.ducati.com

[Germany]
Ihr Fahrzeug ist mit einer Reihe von Funkgeräten ausgestattet. Die Hersteller dieser Funkgeräte erklären, dass diese, wo gesetzlich vorgeschrieben, mit der Richtlinie 2014/53/EU übereinstimmen. Der vollständige Text der EU-Konformitätserklärung ist unter folgender Adresse verfügbar: certifications.ducati.com

[Denmark]
Dit køretøj er udstyret med et udvalg af radioudstyr. Producenterne af dette radioudstyr erklærer, at dette udstyr overholder direktiv 2014/53/EU, hvis det kræves i henhold til loven. Den komplette tekst af EU-overensstemmelseserklæringen findes på følgende webadresse: certifications.ducati.com

[Estonia]
Teie sõiduk on varustatud raadioseadmete seeriaga. Selle raadioseadme tootjad kinnitavad, et see seade vastab direktiivile 2014/53/EÜ, kui seadus seda nõuab. EÜ vastavusdeklaratsiooni terviktekst on saadaval järgmisel veebisaidil: certifications.ducati.com

[Spain]
Su vehículo está equipado con una serie de equipos de radio. Los fabricantes de dichos equipos de radio declaran su conformidad con la directiva 2014/53/UE, como requiere la ley. El texto completo de la declaración de conformidad UE está disponible en el siguiente sitio: certifications.ducati.com

[Finland]
Ajoneuvossasi on radiolaitteita. Näiden radiolaitteiden valmistajat vakuuttavat, että laitteet vastaavat direktiiviä 2014/53/EU lain edellyttämällä tavalla. EU-vaatimustenmukaisuusvakuutuksen täydellinen teksti on saatavilla seuraavasta osoitteesta: certifications.ducati.com

[France]
Votre véhicule est équipé d'une série d'appareillages radio. Les constructeurs de ces appareillages radio déclarent que ces derniers sont conformes à la directive 2014/53/UE lorsque la loi le requiert. Le texte complet de la déclaration de conformité UE est disponible à l'adresse suivante : certifications.ducati.com

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

[Greece]
Το όχημά σας εξοπλίζεται με μια σειρά από ραδιοσυσκευές. Οι κατασκευαστές των συσκευών αυτών δηλώνουν ότι οι συσκευές συμμορφώνονται με την οδηγία 2014/53/ΕΕ, όπου απαιτείται από το νόμο. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ είναι διαθέσιμο στη διεύθυνση: certifications.ducati.com

[Croatia]
Vaše vozilo je opremljeno nizom radio uređaja. Proizvođači ovih radio uređaja tvrde da su uređaji u skladu s Direktivom 2014/53/UE ako je propisano zakonom. Cjelokupan tekst deklaracije o sukladnosti dostupan je na: certifications.ducati.com

[Hungary]
Járműved egy sor rádió készülékkel van felszerelve. Ezeknek a rádióberendezéseknek a gyártói kijelentik, hogy a készülékek megfelelnek a 2014/53/EU irányelvnek, ahol ezt a törvény megköveteli. Az EU megfelelőségi nyilatkozat teljes szövege az alábbi címen érhető el: certifications.ducati.com

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

[Italy]
Il tuo veicolo è dotato di una serie di apparecchiature radio. I costruttori di queste apparecchiature radio dichiarano che esse sono conformi alla direttiva 2014/53/UE laddove richiesto per legge. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo: certifications.ducati.com

[Lithuania]
Jūsų transporto priemonėje įdiegta daug įvairios radijo įrangos. Šios radijo įrangos gamintojai patvirtina, kad ji atitinka 2014/53/ES direktyvos reikalavimus, kaip tai numato galiojantys įstatymai. Visas ES atitikties deklaracijos tekstas pateikiamas svetainėje adresu certifications.ducati.com

[Luxembourg]
Votre véhicule est équipé d'une série d'appareillages radio. Les constructeurs de ces appareillages radio déclarent que ces derniers sont conformes à la directive 2014/53/UE lorsque la loi le requiert. Le texte complet de la déclaration de conformité UE est disponible à l'adresse suivante : certifications.ducati.com

[Latvia]
Jūsu transportlīdzeklis ir aprīkots ar dažādām radioierīcēm. Šo radioierīču ražotājs apliecina, ka ierīces atbilst Direktīvas 2014/53/ES prasībām, ja to paredz attiecīgie tiesību akti. Pilnīgo ES atbilstības deklarāciju skatiet šajā tīmekļa vietnē: certifications.ducati.com

[Malta]
Il-vettura tiegħek hija mgħammra b'firxa ta' tagħmir tar-radju. Il-manufatturi ta' dan it-tagħmir tar-radju jiddikjaraw li dan it-tagħmir jikkonforma mad-Direttiva 2014/53/UE fejn meħtieġ mil-liġi. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli fuq l-indirizz tal-web: certifications.ducati.com

[Netherlands]
Uw voertuig is voorzien van diverse draadloze apparatuur. De fabrikanten van deze draadloze apparatuur verklaren dat deze, daar waar dit door de wet voorschreven wordt, overeenstemmen met de richtlijn 2014/53/EU. De volledige tekst van de EU-verklaring van overeenstemming is beschikbaar op het volgende webadres: certifications.ducati.com

[Poland]
Państwa pojazd został wyposażony w szereg urządzeń radiowych. Producenci tych urządzeń radiowych oświadczają, że są one zgodne z dyrektywą 2014/53/UE, tam, gdzie wymaga tego prawo. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: certifications.ducati.com

[Portugal]
O seu veículo é dotado de uma série de equipamentos de rádio. Os construtores desses equipamentos de rádio declaram que os mesmos estão em conformidade com a diretiva 2014/53/UE sempre que a lei o

determinar. O texto completo da declaração de conformidade UE está disponível no seguinte endereço: certifications.ducati.com

[Romania]
Vehiculul dvs. este dotat cu o serie de aparate radio. Producătorii acestor aparate radio declară că acestea sunt conforme cu directiva 2014/53/UE, dacă legea impune acest lucru. Textul complet al declarației de conformitate UE este disponibil la următoarea adresă: certifications.ducati.com

[Sweden]
Ditt fordon är utrustat med radioutrustning. Radioutrustningens tillverkare förklarar att denna utrustning uppfyller direktiv 2014/53/EU där så lagen kräver det. Fullständig text om EU-försäkran om överensstämmelse finns på följande adress: certifications.ducati.com

[Slovenia]
Vaše vozilo ima tudi vrsto radijske opreme. Proizvajalci eteh radijskih naprav izjavljajo, da so ti v skladu z uredbo 2014/53/UE, kjer zakon to predvideva. Celotno besedilo izjave o skladnosti EU je na voljo na spodnjem naslovu: certifications.ducati.com

[Slovakia]
Vaše vozidlo je vybavené rádiofónnymi zariadeniami. Výrobcovia týchto rádiofónnych zariadení prehlasujú, že tieto zariadenia sú v zhode so smernicou 2014/53/EÚ v rozsahu predpísanom zákonom. Úplný text ES prehlásenia o zhode je k dispozícii na nasledujúcej adrese: certifications.ducati.com

United States (USA)

"This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

“Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.” "NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment gene rates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interfere nee to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help."

- RF exposure Information according 2.1091/2.1093 / OET bulletin 65:
Radiofrequency radiation exposure Information: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
The manufacturers of these radio equipment declare that devices comply with the FCC

DASHBOARD	FCC ID: 2AVOV-04610242
DUCATI MULTIMEDIA SYSTEM (Bluetooth)	FCC ID: Z64-2564N

Canada

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Information:
This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

DASHBOARD	IC: 25864-04610242
DUCATI MULTIMEDIA SYSTEM (Bluetooth)	IC: 4511-2564N

DASHBOARD

South Korea



R-R-cOb-04610242

DUCATI MULTIMEDIA SYSTEM (Bluetooth)

Japan

当該機器には電波法に基づく、技術基準適合証明等を受けた特定無線設備を装着している。
This equipment contains specified radio equipment that has been certified to the technical regulation conformity certification under the Radio Law.

本無線機器の改造を禁ずる（これに反した場合は当該認証登録番号は無効となる）
This radio device should not be modified (otherwise the granted designation number will become invalid)

South Korea



R-R-Cbo-1080795

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