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Tx!). I searched for it myself but couldn't find it in the huge listing the seachengine fed back. This search function really s@#\$s sorry Last edited: Oct 30, 2019 The documents supplied with your bike provide useful info about your Ducati: from the colour code to the specifications of some electronic and mechanical components, all the way to details about the main service interventions. You may download a digital version of your motorcycle. Enter the year and model of your Ducati and download the owner's manual: Page 1 Use and maintenance manual 1098 / 1098S... Page 3 Ducati Motor Holding S.p.A. cannot accept any liability We are sure that you will use your Ducati for longer journeys for errors that may have occurred in the preparation of this as well as short daily trips, but however you use your manual. Table of contents Adjusting the position of the gear change and rear brake pedals 47 Main components and devices 49 Location 49 Fuel tank filler cap 50 Seat lock and helmet holder 51 General indications 6 Sidestand 53 Warranty 6 Steering damper 54 Symbols 6 Front fork adjusters 55... Page 5 Protective apparel 114 by the dealer 98 Vehicle identification number (VIN) 114 Label location 115 Technical data 99 California evaporation emission system 117 Ducati limited warranty on emission control system 117 (mm) Overall dimensions Weights 99 Routine maintenance record 120 Engine 101... In your own interest, and in order to guarantee product you at risk, and lead to severe injury or even death. reliability, you are strongly advised to refer to a Ducati Dealer or Authorized Workshop for servicing that requires any particular technical expertise. Always signal your intention to turn or change lane in good Useful road safety information time, using the appropriate turn signal indicators. Be sure you are clearly visible and avoid riding within the Warning blind spot of a vehicle in front of you. Read this section before riding your motorcycle. Riding with a full load Arrange your luggage or heavy accessories in the lowest possible distances with a full load in complete safety. Secure the luggage firmly to the motorcycle structure. Identification data All Ducati motorcycles have two identification numbers, one for the frame (fig. 1) and one for the engine (fig. 2). Frame number Engine number Engine number Engine number Sindicate the motorcycle model and should be quoted when ordering spare parts. Controls Warning This section shows the position and function of the controls used to drive the motorcycle. Be sure to read this information carefully before you use the controls. Position of the motorcycle controls (fig. 3) 1) Instrument panel (fig. 4) 1) LCD, (see page 13). 2) Tachometer (rpm). Indicates engine revs per minute. 3) Neutral (N) indicator (green). Illuminates when the gearbox is in neutral. 4) Fuel warning light (yellow). Comes on when there are about 3 litres of fuel left in the tank. 5) Turn indicator light (green). Page 12 11) Control buttons A and B. Button used for displaying and setting instrument panel parameters. It has two positions, A "\( \blacktar{} \)" and B "\( \blacktar{} \)". 12) High beam FLASH button (fig. 5). The button that normally has the full beam flash functions warning Any adjustments to the instrument panel must only be carried out when the motorcycle is stationary. Never operate the instrument panel controls while riding the motorcycle. 1) Speedometer. Indicates road speed. 2) Odometer. Shows total distance travelled. 3) Trip meter. Page 14 The message "SERV" indicates that the service interval (distance) has been reached. The message is displayed only at Key-On for 5 seconds. The counter is reset at a DUCATI Authorised Workshop during the maintenance operations. 13) Immobilizer indicator (CODE) (fig. 6). LCD - How to set/display parameters At switch-on (key from OFF to ON) the instrument panel activates all the digits of the LCD for 1 second and switches on the warning lights in sequence. It then reverts to "normal" mode and, in place of motorcycle speed, shows the model and, for 2 seconds, also the version (EU, UK, USA, CND, FRA, JAP). Page 16 At Key-On the instrument panel always shows the following information (de-activating the previously activated functions): Odometer Air temperature Engine rpm At this point, with button (1, fig. 8) in position A "\( \black \)" it is still possible to switch from the odometer function to the following functions: TRIP A TRIP B... Page 17 Total distance travelled indicator (odometer) At Key-On the system automatically enters this function. vs. UK The reading vs. EU v.s. USA "99999" remains displayed permanently. fig. Page 18 Trip meter "TRIP A" While in this function, if you press button (1, fig. 8) in vs. UK position B "V" for 3 seconds, the reading exceeds 999.9, it is reset and the count vs. EU v.s. Page 19 "TRIP FUEL" (distance travelled on reserve fuel) indicator vs. UK When the fuel warning light comes on, the TRIP FUEL meter is activated automatically, regardless of the function vs. EU v.s. USA displayed. If the fuel level remains in reserve, the reading is saved even after Key-Off. Page 20 Coolant temperature: if the reading is less than or equal to -40 °C (-104 F°), the vs. EU - vs. UK v.s. USA display shows a series of flashing dashes ("---") and the FIXEI DATUM FIXED DATUM Engine Diagnostics warning light comes on (9, fig. Page 21 The message "SERV" appears on the displayed only at Key-On for 5 seconds. When the message appears, contact a Ducati dealer or authorised service centre. fig. 15... Page 22 Battery voltage indicator (BATT) To displayed as follows: if the reading is between 12.1 and 14.9 Volts, it remains fixed; if the reading is between 10.0 and 12.0 Volts or between 15.0 and 16.0 Volts, it flashes; Page 23 Adjusting engine idle speed (rpm) To display the function, go into the menu and call up the "RPM" page. As well as the top rev counter scale, the display To activate this function, go into the menu and set the "LAP" function to "On" by keeping button (1, fig. 8) in position B "\" for 3 seconds. START and STOP the timer by pressing the high beam FLASH button (12, fig. Page 25 When you switch the LAP function off using the menu, the lap in progress is not saved. If the LAP function is active and the display is suddenly switched off (Key-Off), the LAP function is switched off automatically (even if the timer was ON, the lap in progress is not saved). Page 26 Visualizzatore dati memorizzati (LAP Memory) Displays the data saved with the LAP function: lamp time, MAX speed and MAX rpm. To display the saved times, go into the menu and select the "LAP MEM" page. From this page, if you hold button (1, fig. 8) in position B "\sumsup "Press B for 3 seconds, the data for the first lap will appear. Page 27 USB DAQ This function activates the USB DAQ (see page 66): the DAQ must be connected to the motorcycle wiring. To activate the DAQ, go into the menu and set the USB DAQ to "On" by holding the button (1, fig. 8) in position B "\sumsup " for 3 seconds. Page 28 Erase USB This function enables you to delete the data saved on the USB DAQ: the DAQ must be connected to the menu and select the "Erase USB" page. If you hold the button (1, fig. 8) in position B "\(\bullet\)" for 3 seconds and the USB DAQ is not acquiring data, the message "WAIT..."... Page 29 Clock setting flashing To set the clock, select the "TIME Set" page from the menu. From this page, if you hold the button (1, fig. 8) in position B flashing "\overline{v}" for 3 seconds, you go into clock setting mode. On entering this function, the message "AM"... Page 30 Instrument panel diagnostics Warning If an error is displayed, always contact an authorised Important Ducati service centre. The instrument runs the system diagnostics correctly 60 seconds after the last Key-Off. Any anomalous behaviours of the motorcycle are displayed in rolling mode every 3 seconds. Page 31 Warning Error message Error light INJE 13.2 Vertical cylinder injector error PUMP 16.0 Fuel pump relay error 18.1 Fan relay error 18.2 Fan relay error STRT 19.1 Starter contactor error STRT 19.2 Starter contactor error STRT 19.2 Starter contactor error STRT 19.2 Starter contactor error STRT 19.1 Starter contactor error EXVL 23.3 Exhaust valve motor error EXVL 23.3 Exhaust valve motor error EXVL 23.4 Exhaust valve motor error EXVL 23.4 Exhaust valve motor error EXVL 23.1 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.3 Exhaust valve motor error EXVL 23.4 Exhaust valve motor error EXVL 23.1 Exhaust valve motor error EXVL 23.1 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.1 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.4 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.3 Exhaust valve motor error EXVL 23.4 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.2 Exhaust valve motor error EXVL 23.3 Exhaust valve motor error EXVL 23.4 Exhaust valve motor error exhaust valve motor EXVL 23.5 Exhaust valve motor error Throttle position sensor e Engine control unit error PK.UP 34.0 Pick-up sensor error SPEE. Page 34 Warning Error message Error light IMMO 37.1 Immobilizer error IMMO 37.3 Immobilizer error IMMO 37.4 Immobilizer error IMMO 37.4 Immobilizer error IMMO 37.5 Immobilizer error IMMO 37. lights is adjusted automatically by This function allows programmed activation of the headlamp the instrument panel according to the level of external light even with the motorcycle off (Key-Off). detected. These contain the "code" of the immobilizer system. Notes Your Ducati dealer may ask you to produce your Code Card in order to carry out certain servicing operations. The black keys (B) are the keys for normal use, and are used - start the engine;... Warning Keep the keys separate, and store the black keys to start the motorcycle. Code card A CODE CARD (fig. 25) is supplied with the keys. This shows the electronic code (A fig. Immobilizer override procedure Should the immobilizer become locked, you can perform the "Immobilizer Override" procedure from the instrument panel by entering the respective function as follows: Select the "CODE" page from the menu. Notes This menu should be active only if there is at least one B= On 3 sec. Page 39 Entering the code: If the code has been entered correctly, the message CODE when you enter this function, the first digit on the left and the code itself will flash simultaneously for 4 seconds. starts flashing. The motorcycle diagnostics warning light (9, fig. 4) goes off. Button (1, fig. OFF and then to ON again. If the start the engine engine still does not start, try again with the other black key. If the engine still does not start, contact the DUCATI Service Notes network. Ignition switch and fig. 28.2) This is located in front of the fuel tank and has four positions: A) ON: enables lights and engine operation; B) OFF: disables lights and engine operation; C) LOCK: the steering is locked; D) P: parking light on and steering locked. Left-hand handlebar switch (fig. 29) 1) Dip switch, two-position = left turn; position = left turn; position = right turn. To cancel the indicator, press the lever once it has returned to the central position. Clutch lever The lever (1) disengages the clutch. The span adjuster (2) serves to alter the distance of the knob (2). Turn the knob clockwise to move the lever away from twistgrip, or counter clockwise to move it closer. Right-hand handlebar switch (fig. 31) 1) Two-position ENGINE STOP switch position (RUN) = run; position (OFF) = stop engine. Warning This switch is mainly intended for use in emergencies when you need to stop the engine quickly. After stopping the engine, return the switch to the position to start the engine. Front brake lever (fig. 32) Pull the lever (1) towards the twistgrip to operate the front brake. The system is hydraulically assisted and you only need to pull the lever gently. The brake lever has a knob (2) for adjusting the distance between lever and twistgrip on the handlebar. Rear brake pedal (fig. 33) Push down on the pedal (1) with your foot to operate the rear brake. The system is controlled hydraulically. fig. 33 Gearchange pedal (fig. 34) The gear change and rear brake pedals in relation to the footrests can be adjusted to suit the requirements of the rider. To adjust the position, proceed as follows: restrain the tie-rod (1) and slacken the locknut (2) and (3). Page 48 To adjust the pedal travel adjustment bolt (5) until the pedal is in the desired position. When finished, torque locknut (4) to 2.3 Nm. Operate the pedal by hand to check that there is 1.5 - 2 mm of freeplay before the brake bites If not, adjust the length of the master cylinder pushrod as follows. Main components and devices Location (fig. 37) 1) Fuel tank filler cap. 2) Seat lock. 3) Side stand. 4) Helmet cable pin 5) Steering damper. 6) Rear view mirrors. 7) Front fork adjusters. 8) Rear shock absorber adjusters. 9) Motorcycle track alignment linkage. 10) Exhaust silencer (see note on page 67). Fuel tank filler cap (fig. 38) Opening Raise the cover (1) and insert the key inserted and push it into its seat. Turn the key anticlockwise to the initial position and remove it. Seat lock and helmet holder (fig. 39 and fig. 40) Opening Insert the key into the seat lock (1) and turn it clockwise until it can be extracted. Page 52 (fig. 41) Closing Fit the hooks on the base of the seat under the rear subframe. Press down on the passenger seat until you hear the lock engaged by lightly pulling the passenger seat until you hear the stand mechanism (two draw springs, one inside the other) and the safety Important sensor (2) at regular intervals. Before lowering the side stand, make sure that the supporting surface is hard and flat. Notes Do not park on soft or pebbled ground or on asphalt melted The engine can be started with the sidestand down... Steering damper (fig. 43.1) The steering damper is located in front of the tank and secured to the frame and steering head. It helps improve steering accuracy and stability, and thus also improves ride quality in any riding conditions. (1098S) Turn the knob (1) clockwise for a harder setting, anticlockwise for a softer setting. Front fork adjusted by way of external adjuster screws: 1) to adjust rebound damping (fig. 44.1 and fig. 44.2); 2) to adjust inner spring preload (fig. 44.1 and fig. 44.2); 3) to adjust compression: 3/4 turns (1098), 8 clicks (1098S); rebound: 12 clicks (1098S), 10 clicks (1098S). Spring preload: (A, fig. 35.1): 18 mm (1098), 8 mm (1098S). To change the preload of the spring inside each fork leg, turn the hex. Shock absorber adjusters (fig. 46.1 and fig. 46.2) The shock absorber has outer adjusters (fig. 46.1 and fig. 46.2) The shock absorber has outer adjusters that enable you to adjust your motorcycle to the load. Adjuster (1), located on the left-hand side at the point at which the shock absorber is fixed to the swingarm, controls rebound damping. Page 58 Once the desired spring preload has been set, lock down the upper ring nut. Warning Use a pin wrench to turn the preload adjusting nut. Take special care when turning the nut, to avoid injuring your hand by striking it violently against other parts of the motorcycle if the wrench suddenly slips off the nut while turning. Changing motorcycle track alignment (fig. 47, fig. 48 and fig. 49) Motorcycle track alignment is the result of tests carried out under different riding conditions by our technical staff. Modifying the frame geometry is a very critical operation, and can be dangerous if carried out by untrained persons. Before changing the standard setting, measure the reference value (H, fig. Page 60 The maximum distance that the UNIBALL end fitting (A) can be unscrewed from the tie-rod body is 5 threads, or 7.5 mm (B). fig. 49... Riding the motorcycle To allow all the mechanical moving parts in the motorcycle to adapt to one another, and to avoid shortening the life of the main engine components, it is advisable to avoid sudden acceleration and running the engine at high rpm for too long, especially uphill. Page 62 Throughout the running-in period, be careful to stick to the recommended maintenance schedule and periodic service intervals indicated in the warranty booklet. Failure to follow these instructions releases Ducati Motor Holding S.p.A. from any liability whatsoever for any engine damage or shorter engine life. In case of malfunctioning, do not start the motorcycle Check the fuel level in the tank. Re-fuel if necessary (page 68). and call a DUCATI Dealer or Authorized Workshop. Engine oil level Check the oil level in the sump through the sight glass. Starting the engine Warning Before starting the engine, familiarise yourself with the controls that you will use when riding (page 10). Warning Never start or run the engine in an enclosed space. Exhaust gases are toxic and may lead to loss of consciousness or even death within a short time. Page 65 Notes It is possible to start the engine with the side stand down and the gearbox in neutral. If starting the motorcycle with a gear engaged, pull the clutch lever (in this case the starter button (3, fig. Moving off Braking 1) Disengage the clutch by squeezing the clutch lever. Slow down in time, change down to use the engine brake, 2) Push down the gearchange lever firmly with the tip of then apply both brakes. Pull the clutch lever before stopping your foot to engage first gear. Stopping the motorcycle Warning Reduce speed, shift down and release the throttle twistgrip. Using padlocks or other locks designed to prevent Change down to engage first gear and then neutral. Apply movement of the motorcycle (such as brake disc locks, rear the brakes and bring the motorcycle to a complete stop. Refuelling (fig. 53) Max level Do not overfill the tank when refuelling. The fuel level should always be below the rim of the filler recess. Warning Use fuel with low lead content and an original octane number of 95 minimum (see table "Fluids and lubricants" on page 100). Toolkit and accessories (fig. 54) The compartment under the pillion seat contains: use and maintenance manual; helmet fastening cable; toolkit consisting of: - spark plug wrench; - double-ended screwdriver. fig. 54... USB DAQ (for 1098S only) A USB DAQ (1) is supplied in kit form. To use it, place it under the seat with the cap (2) fitted and the (3) from the main wiring harness connected. Refer to the "USB DAQ" procedure in the paragraph "LCD - How to set/display parameters". Main Use and Maintenance Side body panels Remove the side fairings with the Allen key in the underseat Operations compartment by undoing: the two screws (1) securing the body panels to the brackets; the six screws (2) securing the body panels to the headlamp fairing;... Page 72 Notes Make sure that the splashguard remains clear of the fastening in the body panel. fig. 58... Page 73 Rear-view mirrors Unscrew the fastening screws (1) of the rear-view mirror. Release the pins (2) from the retaining clips attached to the headlamp fairing bracket (3). Slip off the rear-view mirror. Page 74 Headlamp fairing Notes To remove the headlamp fairing, the rear-view mirrors and side body panels must first be removed, as described above. Unscrew the headlamp fairing, refit the side body panels and rear-view mirrors. Checking and topping up the coolant (fig. 62) Check the coolant level in the expansion reservoir on the right side of the motorcycle. It should be between the two marks (1) and (2). Mark (2) indicates MIN level, and mark (1) indicates MIN level. Brake and clutch fluid must be topped up and changed at the intervals specified in the routine maintenance table (see Warranty Card) by a Ducati Dealer or Authorized Workshop. Important It is recommended that all brake and clutch hoses be renewed every four years. Page 77 If the control lever has excessive play and the transmission snatches or jams when engaging a gear, then there is probably air in the circuit. Contact a Ducati Dealer or Authorized Workshop, who will check the system and bleed the circuit. If the grooves in the friction material are still visible, the pad is still in good condition. Important Have the brake pads replaced at a Ducati Dealer or Authorized Workshop. fig. 65.1 1098... Operate the controls to make sure the inner cables slide smoothly inside the outer cables: if you feel any friction or catching, have the cable replaced by a Ducati Dealer or Authorized Service Centre. To avoid this inconvenience, in the case of the throttle cable free play 1,5÷2 mm > The throttle twistgrip must have free travel of 1.5-2.0 mm (measured on the twistgrip rim) in all steering positions. If necessary, adjust using the adjusters (1 and 2, fig. 68) located 1,5÷2 mm on the steering tube on the left side of the motorcycle. Charging the battery warning (fig. 69) Before charging the battery, it is best to remove it from the Keep the battery out of the reach of children. motorcycle. Remove the left-hand body panel (page 71), unscrew the Charge the battery at 0.9 A for 5 to 10 hours. screw (1) and remove the mounting bracket (2). Using non-specific lubricants may cause severe damage to the chain and the front and rear sprocket. Important Have the chain tensioned at a Ducati Dealer or Authorized Workshop. With the motorcycle on the side stand, press down the chain with a finger. Then release and measure the distance between the surface of the shoe and the centre of the pin below it. Changing the high and low beam bulbs Before replacing a burnt-out bulb, make sure that the new one matches the voltage and wattage specifications in the "Electrical System" paragraph on page 106. Always check that the new bulb works before refitting removed parts. Figure 71 shows the position of the low beam (LO), high beam (HI) and parking light (1) bulbs. Page 84 Notes The main wiring harness cable does not need to be disconnected to replace the headlight bulbs. Notes Be careful to hold the new bulb at the base only. Never touch the transparent body with your fingers; this could darken it and thus reduce the brightness. Refitting After changing the burnt-out bulb, replace the cover and close it by pressing it against the lever. Changing the burnt-out bulb, replace the cover and close it by pressing it against the lever. Turn the bulb retaining ring (1) anti-clockwise and remove the burnt-out bulb. On refitting, turn the bulbs (1) clockwise to secure. Rear turn signal indicator bulbs, give the indicator bulbs, give the indicator bulbs, give the indicator bulbs, give the indicator bulbs. The bulb has a bayonet-type end fitting: to remove it, push it in and turn it counter-clockwise. Headlight aim, place the motorcycle should be perfectly vertical, with its longitudinal axis at right angles to a wall or screen at a distance of 10 metres. The horizontal position of the left-hand headlamp is set by means of the adjusting screw (1, fig. 77) behind the headlamp. Turn the screw clockwise and the beam will shift to the right; turning the screw anti-clockwise will shift to the right; turning the screw clockwise and the beam will shift to the right; turning the screw anti-clockwise will shift to the right; turning the screw and the screw anti-clockwise will shift to the right; turning the screw and the screw and the screw and means of the adjusting screw (2, fig. After replacing a tyre, the wheel balanced. Important Do not remove or alter the position of the wheel balancing weights. Notes If tyres need changing, contact a Ducati Dealer or Authorized Service Centre to make sure wheels are removed and refitted correctly. Page 90 Minimum tread depth Measure the tread depth (S, fig. 79) at the point where the tread is most worn. 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 cracks and cuts, especially on the side walls, and bulges or large stains that indicate internal damage. Replace the filler cap. Important To replace the engine oil and filters at the intervals specified in the maintenance table in the Warranty Booklet, contact a Ducati dealer or authorized Workshop. Firstly, they will check the colour of the ceramic insulator of the ceramic insulator of the central electrode: an even brown colour is a sign that the engine is in good running order. General cleaning Warning To preserve the original shine on metal surfaces and There may be loss of braking efficiency immediately paintwork, wash and clean your motorcycle at regular intervals after washing the motorcycle. Never grease or lubricate depending on the type of use and according to the particular the brake discs as this would be checked and re-charged if necessary. Protect the motorcycle with a special motorcycle cover that will not damage the paintwork or retain moisture. This type of motorcycle cover is available from Ducati Performance Programmed maintenance Programmed maintenance Programmed maintenance plan: operations to be carried out by the dealer km x1000 List of operations and frequency miles x1000 22,5 37,5 (distance or time interval \*) Months • • • • • • Change the engine oil • • ... Page 96 km x1000 List of operations and frequency miles x1000 22,5 37,5 (distance or time interval \*) Months • • • • • Check the brake and clutch fluid levels • ... Page 97 km x1000 List of operations and frequency miles x1000 22,5 37,5 (distance or time interval \*) Months • • • • Check tightness of the rear wheel axle nut • • • • Check the external fuel hoses • ... Programmed maintenance plan; operations and frequency miles x1000 (distance or time interval \*) Months • Check the engine oil level • Check the brake and clutch fluid levels • ... Technical data Running order without fluids and battery: 173 kg (1098); 171 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running order without fluids and battery: 173 kg (1098S). Fully laden: Overall dimensions 390 kg. (mm) (fig. 82) Weights Warning Running Runnin and lubricants Type Fuel tank, including a reserve of 4 dm (litres). Unleaded fuel with 95 fuel octane rating (at least) 15.5 dm (litres). Lubrication circuit SHELL - Advance Ultra 4 3.7 dm (litres). Engine Desmodromic timing system Longitudinal 90º "L" twin cylinder, four-stroke. 1) Opening (or upper) rocker arm; Bore (mm): 2) Opening (lower) rocker shim; Stroke (mm): 4) Return spring for lower rocker; 64.7 5) Closing (lower) rocker shim; Stroke (mm): 4) Return spring for lower rocker; 64.7 5) Closing (lower) rocker shim; Stroke (mm): 4) Return spring for lower rocker; 64.7 5) Closing (lower) rocker shim; Stroke (mm): 4) Return spring for lower rocker; 64.7 5) Closing (lower) rocker shim; Stroke (mm): 4) Return spring for lower rocker; 64.7 5) Closing (lower) rocker shim; Stroke (mm): 4) Return spring for lower rocker; 64.7 5) Closing (lower) rocker shim; 8) Closing (lower) rock handlebar. NGK. Make of brake callipers: Type: 34-4 pistons. Fuel system M4-34. Friction material: MARELLI indirect electronic injection TT 2910. Throttle body diameter: Master cylinder type: 60 mm. Final drive ratio: However, if you wish to tune up your motorcycle for 15/38. competitive trials, you may refer to Ducati Motor Holding S.p.A. Total gear ratios: who will be glad to provide information about the special ratios 15/37 available. Frame Tyres ALS 450 steel tube trellis frame Steering angle (on each side): Front 28° 30'. Radial tubeless tyre. Size: 120/70-ZR17. Wheels Five-Y-spoke, light-alloy rims. Rear Radial tubeless tyre. Front Size: Dimensions: 190/55-ZR17. MT 3.50x17". Rear Dimensions: MT 6.00x17". The wheel shaft can be removed. (for inner springs of fork legs). Available colours Stanchion diameter: 43 mm with TIO treatment (1098); red frame with black wheels. Travel along leg axis: 127 mm;... Electrical system Fuses The main fuse box (1,fig. 84) is located on the left of the The main components of the electrical system are: frame. To expose the fuses, take off the protective cover. Headlight: The cover indicates mounting positions and ampere ratings. bulb type: 2 x H11 (12 V-55 W). Page 107 IN GOOD CONDITION BLOWN fig. 84 fig. 86 fig. 85... Page 108 Key to the electrical system / injection system 30) Horn diagram 31) Neutral switch 32) Oil pressure switch 1) Right-hand handlebar switch 33) Fuses 4) Right electric fan 35) Fuses 4) Right electric fan 36) Clutch switch 5) Starter motor 37) Front brake light switch... Page 109 Wire colour coding (fig. 84 and fig. 85) Legend of fuse boxes B Blue W White Pos. Device Val. V Violet Bk Black Key-on 10 A Y Yellow R Red Lights 15 A Lb Light blue Gr Grey Device 15 A G Green Instrument panel Bn Brown... Periodic maintenance record Name of Mileage Date Ducati Service 1000 12000 24000 36000 48000 60000... Noise emission warranty Reporting of safety defects Ducati Motor S.p.A. warrants that this exhaust system, at the time of sale, meets all applicable U.S. EPA Federal noise If you believe that your vehicle has a defect which could standards. This system prevents the If you are aware of any of the following symptoms, have the escape of fuel vapors from the throttle body and fuel tank. vehicle inspected and repaired by your local Ducati dealer. Symptoms: Hard starting or stalling after starting. Riding safety The throttle should also be used judiciously to avoid skidding the rear wheel from too rapid acceleration. The points given below are applicable for every day On rough roads, exercise caution, slow down, and grip the motorcycle use and should be carefully observed for safe fuel tank with your knees for better stability... Label location (fig. B) only Canada fig. B... Page 116 ??÷ ?? mm 3 (Only Canada) United States of America in compliance with the Clean Air Resources Board. Any part or parts replaced under this warranty shall become the property of Ducati. fig. C... Page 118 Ducati's suggested retail price for all warranted parts or from the Ducati shall not be liable for any replaced and labor charges based on Ducati's recommended other expenses, loss or damage, whether direct, incidental,... Page 119 However, Ducati is not liable for these parts. is limited to the express emission control systems warranty The owner is responsible for the performance of all required terms stated in this warranty. Routine maintenance record Ducati Mileage Date Service Name 1,000 12,000 7,500 24,000 15,000 36,000 22,500 48,000 37,500... Page 121 Ducati Motor Holding spa via Cavalieri Ducati, 3 40132 Bologna, Italia Tel. +39 051 6413111 Fax +39 051 406580 www.ducati.com... Page 122 37 36 MODE TURN HORN DIMMER PASSING G/Bk Br BY STARTER ENGINE STOP Br BW LOCK BW Bk PARK PUSH FREE PUSH 30 A Gr/R R/Bk B/Bk R/Bk Bk 1N4007 W/Bk Y/Bk P/Bk Y/Bk Gr/R W/Bk Bn/W Bn/Bk 1 2 3 4 Bn/W...

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