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Page 112 This the SLICK mode is not installed, case cannot be controlled by the DTC will be reactivated by BMW Motorrad DTC. Page 191 Engine Fuel reserve Damping Cruising range, 23 Starting, 62 Adjusting, 51 Warning indicator, 28 Technical Data, 159 Front adjustment element, 11 Fuses Warning for electronic engine Position on vehicle, 16 Rear adjuster, 11, 13 management, 29 Replacing, 146 Dimensions Engine oil Technical Data, 167 Technical data, 164 Checking level, 117... 186... Rear-wheel drive Type of final drive Chain drive Type of rear suspension Two-arm aluminum swinging arm Number of teeth of rear-wheel drive (Pinion/17/45 sprocket) Secondary gear ratio 2.647

Suspension Front wheel Type of front suspension Upside-down telescopic forks Spring travel, front 4.7 in (120 mm), On wheel Rear wheel Type of rear suspension... off. Page 185 Work carried out Odometer Date reading... BMW Motorrad going development efforts em- retailer. Press button 2 to decrease minutes. torque. Page 110 ABS Pro adjusts the ABS control BMW Motorrad Race ABS is un- to the angle of inclination of the WARNING motorcycle in dependence on the able to counteract their effects. Update software of instrument cluster. Work carried out Odometer Date reading... This distance... The uni- versal warning lamp shows red or yellow, depending on the ur- gency of the warning.

torques checked by a spe- cialized workshop, preferably an authorized BMW Motorrad retailer. Page 107 Ing tires with maximum adhesion The ABS response character: SLICK istics remain identical to those (slick tires) are mounted. onboard tool kit in direction a. RAIN SPORT riding The self-diagnosis routine runs mode is set. min 0.04 in (min 1.0 mm) installing only genuine (Only friction material without BMW Motorrad brake pads. Switch on ABS function... an authorized BMW Motorrad (DTC) Switch on DTC function retailer. After ity, preferably an authorized driving through water or dust Tread wear marks are integrated BMW Motorrad retailer. If your BMW is equipped with bracing their design, equipment options or accessories not de- and accessories. disconnect second cable from Contact between crocodile positive terminals. Expiry of oper. ble. The numbering of the remaining laps is maintained. No fuel in tank Refueling procedure ( 70). Replacing license plate Replace defective bulb. It contains im- portant information on how to operate the controls and how to get the most benefit from your BMW's advanced technical fea- tures. to hand over this Rider's Manual; tion on operating and in-... 16 Parking your motorcycle ..69 BMW Motorrad Race Instrument cluster ... Page 30 Have the defective key re- Fuel reserve down the engine. With the assistance of a helper. To increase spring deflection measure distance d between (decrease spring preload), turn... Page 100 with anti-theft alarm system (DWA) Carefully disconnect anti-theft Press locking mechanism 7 alarm system bracket 5 from to left with small screwdriver rear frame and rotate it upward. opening 9 when doing so. Page 65 Phase 1 ABS self-diagnosis The indicator and warning lights go out. vices performed may be depen- dent on the motorcycle owner and the mileage driven. Engine Engine design Transverse-mounted four-cylinder, four-stroke inline engine, angled 32° toward front, and hold the button 2 until the sponds by lighting up or flashing current speed appears in the at the preset frequency and the... Luggage straps Locking luggage on motorcycle Removing passenger seat 56). Parking your ards in curves; locking-up and The RACE and SLICK riding modes are not supported by slipping of the wheels is pre- motorcycle the ABS Pro function. 152 Washing your motorcycle ..152 Cleaning sensitive motorcycle parts Lights Parking lights The parking lights come on au- tomatically when the ignition is switched on. scribed in this Rider's Manual,... Switch on DTC function alternative, the ignition can be NOTICE switched off, then on again. Page 93 Switch-off speed of brightness of shifting Flashing frequency of shifting flasher flasher shiftpoint lamp Display of switch-off speed in Display of shifting flasher bright- Flashing frequency of the shift- rpm. Page 34 BMW Motorrad retailer. DTC indicator light flashes DTC intervention slowly. Tire recommendation Locknut of drive-chain For every size of tire, tensioning screw BMW Motorrad has tested and approved certain makes as 14 lb/ft (19 Nm) roadworthy. Multifunction switch, right with heated handlebar grips Heated hand grip ( Selecting riding mode Emergency-off switch (kill switch) ( Starting the engine... On the racetrack Multifunction display ....76 LAPTIMER mode ....78 INFO mode . workshop, preferably you au- thorized BMW Motorrad retailer. Page 97 Fastest lap display Speed warning Display brightness The "fastest lap expected" func- When you select this function Five different intensities are avail- tion ( 81) is activated. 171 BMW Motorrad Mobility Services .....171 Maintenance procedures . Spring preload Adjustment of spring preload dependent on Setting loading The spring preload on the front wheel must be adapted to the 0.4...0.6 in (10...15 mm) (With weight of the rider. Multifunction display Speedometer Coolant temperature with heated handlebar grips Heated grip display Odometer ( Clock ( Set riding mode ( Gear indicator display, "N" indicates "neutral." Selection of the ride mode NOTICE Refer to Chapter 5 for informa- tion regarding the display modes available for track use. With the coding plug installed, Press button 1 repeatedly until SLICK the driving mode selection arrow appears before is also offered in the selection desired setting. lock Locking handlebars Engine can be started, Adjust display setting 80). approveeé lockéssment Antenne annulaire Le présent dispositif est par l'organisme responsa- expressé a la partie 15 ble de l'homologation peut présente dans le des règles de la FCC. Removing passenger seat shop, preferably an authorized Installing passenger seat 56). Catalytic converter Danger of overheating Observe checklist If misfiring causes unburned fuel Use the following checklist to ATTENTION to enter the catalytic converter; check your motorcycle at regu- there is a danger of overheating lar intervals. The recorded values are Alternately: top speed stored. tool kit to turn the adjustment Adjusting compression ring 2 in direction a. Pre-Ride-Check in progress You are provided with 2 ignition keys. Dimensions Motorcycle length 80.9 in (2056 mm) Motorcycle height 44.8 in (1138 mm). Across windshield at DIN un- laden motorcycle width 32.5 in (826 mm). Across mirrors Rider's seat height 32.3 in (820 mm). Without driver Rider's inside-leg arc, heel to heel 71.3 in (1810 mm). Without driver Weights Unladen weight... From position 1: Largest dis- Accident hazard tance between handlebar grip Only adjust the brake lever and brake lever and brake lever is to position 6: Smallest distance stationary. loosened or removed. SLICK mode Do not use the encoding plug SPORT assumes racing tires and roads on public roads. © 2015 Bayerische Motoren Werke Aktiengesellschaft 80788 Munich, Germany Reprints and duplication of this work, in whole or part, are pro- hibited without the express writ- ten approval of BMW Motorrad, Aftersales. The DTC system has been deac- thorized workshop, preferably with Dynamic Traction Control tivated by the driver. Rider and passenger Installing passenger seat seats Removing passenger seat Make sure ground is level and firm and park motorcycle. 56). ABS Pro display Service display with ABS Pro If the motorcycle covers high annual mileages then shorter if the time remaining until the service intervals may be required. rpm. Only after the current recording has RACE INFO been deleted in mode does counting begin at lap 1 again. Your authorized ary conditions can adversely af- Burn hazard BMW Motorrad retailer will be fact the handle of your motor- happy to advise you and has cycle; the correct clothing for every... Press button 1 repeatedly until adopted as the setting. Page 79 Overview of mode selection - Solid line: briefly press button. Push the retainer 2 downward (using a screwdriver if nec- essary) and pull the socket 3 from the headlight housing. Page 81 Overview of lap timer mode - Solid line: briefly press button. Page 160 Rear wheel Value Valid Swinging-arm adapter on rear wheel swinging arm M8 x 30 15 lb/ft (20 Nm) Clamp screw on upper spring plate M5 x 25 2 lb/ft (3 Nm) Spring strut on main frame M10 x 65 41 lb/ft (56 Nm) Mirrors Value Valid... Bulbs for low-beam headlight H7 / 12 V / 55 W Bulb for high-beam Remove spring wire brackets 4 headlight Install bulb 5. Confirmation of service The table is intended as proof of maintenance and repair work, the installed optional accessories and any special campaign (recall) work carried out. Tension all straps evenly; the vehicle should be pulled down against its springs with the suspension compressed as much as possible, and forth will help. Update software of ABS con- trol unit. Fairings and panels Make sure ground is level and firm and park motorcycle. Page 121 Turn handlebars. When the time comes to set claims may be denied as a result. Press button 1 or button 2 re- A value which is still flashing peately until desirated value is will not be saved. To extend and maximize the chain's service life BMW Motorrad recommends using BMW Motorrad chain lubricant or; Lubricant Using a screwdriver, push the chain in the middle between Chain spray the pinion and sprocket and measure the difference a. The running time of the current lap. Mount brake and ABS line in omends the BMW Motorrad bracket 8. Steering and ignition Parking lights and all function Key can be removed. Mount side panel in rubber buffer at position 4, with the side stand extended and cally interrupted if battery voltage Checking rear brake fluid level a gear engaged. Removing and installing Remove fairing fastener. damping on front wheel Tighten screw 1 to specified torque. BMW Motorrad recommends Clean motorcycle. Switch off ignition. Page 124 Check brake fluid level regularly. For this rea- Electronic immobilizer. Page 35 Possible cause: The preset maximum speed has been exceeded. Please read this Rider's Manual carefully before starting to use your new BMW. Remove screws 3 with wash- Unfasten the screws 1 then ers. If the coding plug is not used for the SLICK function, as an Switch on ABS function alternative, the ignition can be... Factory settings at front Adjust compression damping To increase damping; turn wheel extended jounce travel (low adjusting screw or adjustment... The heated grips option can only be activated when the engine is running. Make sure ground is level and firm and park motorcycle. Bulb for parking light W5W / 12 V / 5 W To prevent contaminants being deposited on the new bulb's glass surface, always use a clean, dry cloth to hold it. - Dotted line: press and hold button. Select stored lap ( 83). Check brake fluid level regularly. Page 29 Warning and indicator Warning symbols in the Meaning lamps display panel ! DWALO is indi- Anti-theft alarm battery weak ( rated! DWA Lights up yellow is indicated Anti-theft alarm battery discharged ! SPEED Shiftpoint lamp is indi- Speed warning ( cated flashes or remains on continuously. Page 123 Have the brake pads replaced at an authorized service facil- ity, preferably an authorized BMW Motorrad retailer. Ing screws 1. SETUP fault message in The ABS system has been deac- mode. Care Care products ..... tivated by the driver. circuits switched on. Switching on hazard warning flashers Switch on ignition. Adjust the mounting pieces 3 to the width of the pins inserted into the front... press it on the ground evenly. Operating odometer Setting clock ( 37). Open cap 1 of expansion tank. Engine management riding or unnecessary risks. ABS switched off. Page 89 LAST Deleting lap times the last stored lap , the corresponding lap is deleted. 156 Performance data ....168 Threaded fasteners ....157 Engine . Page 48 NOTICE Details on the selectable driving modes are provided in the chap- ter "Technology in Detail". Rear-wheel stand Installing the auxiliary stand on the rear wheel Install the mounting pins (83 Turn in the bracket 2 with the 30 2 152 841) 1 on the left long sides facing the outside. Checking front brake fluid level Read off brake fluid level at Front brake fluid level brake-fluid reservoir 1. dirt, e.g. tree resin or pollen. SETUP mode pressed, they are displayed in the opposite order: Selecting parameter Shiftpoint light activation rpm SFT-ON Shiftpoint light switch-off rpm SFT/OFF Shiftpoint light brightness set- SFT-BR ting ( Shiftpoint light flashing fre- SFT-FL quency ( Display structure in Laptimer SETUP LAPTIMER mode ( Display duration for last... Longer To activate the SLICK mode, the provided in the RAIN mode. Jump-starting Installing fuse CAUTION Touching live parts of the ip- tion system when the en- gine is running. Page 143 circumstancs the high levels of heat radiation can damage the headlight assembly. As a result, a new race can be recorded at other times and compared with the best lap from previous races. This mode can only be activated with the motorcycle stopped, thORIZED workshop, preferably Anti-theft alarm battery Speed warning an authorized BMW Motorrad discharged retailer, authorized workshop, preferably Check engine oil level ( 117). Page 55 Rebound stage, basic setting, front Position 7 (sporty setting with driver 187 lbs (85 kg)) Make sure that the same val- ues are set on the left and right. Wheels and tires Recommended tire combinations An overview of the current tire approvals is avail- able from your authorized BMW Motorrad retailer or on the Internet at bmw-motorrad.com. Safety risk Unusual handling when en- Replace defective bulbs as... screwdriver if necessary) and Replace defective bulb. and dirt perform the lubrication into the main grooves on every at shorter intervals. Race ABS. Coolant, specified level pansion tank 1. The following times can be Display shown in the second line: The time of the previous lap is marked with "LASTLAP". If NHSTA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. Additives (for instance, molybdenum- based substances) are prohibited, because they would attack the coatings on engine components, BMW Motorrad recommends BMW Motorrad ADVANTEC Ultimate Oil Engine oil, quantity for topping up max 0.8 quarts (max 0.8 l). Difference between MIN and MAX... EWS Electronic Clock If you lose a key, you can have it disabled by your BMW Motorrad immobilizer Setting clock partner. tire. NOTICE ABS Pro cannot be retrofitted... If the tire tread has worn... 13 Multifunction switch, left ... facility, preferably an authorized Activating suppression of the Possible cause: BMW Motorrad retailer. 4 l) fuel reserve, the resulting total fuel quantity must be greater Press fuel tank cap down firmly than the fuel reserve, so that the to close. Performance data Top speed >124 mph (>200 km/h) Service Reporting safety defects ... desired heating level is shown. What happens when BMW Motorrad Race The maximum braking force that rough roads can be transferred to the road encountered? Emergency-off switch The engine can be switched NOTICE off easily and quickly using the (kill switch) emergency kill switch. Remedy license-plate lamp 1 into lamp housing. Damage to plastic surfaces. Removing driver's seat Installing driver's seat Press cover of driver's seat over screw sockets toward Press cover of driver's seat Mount driver's seat in mount 2, front somewhat and hold in above screws 1 forward some- then position over screw sock- place. Possible cause Remedy Side stand extended and gear engaged Retract side stand. clutch distances? Services With its worldwide dealer net- work, BMW Motorrad can attend The BMW Motorrad Mobility Ser- To ensure that your BMW con- to you and your motorcycle in vices furnish you and your new siently remains in optimal con- over 100 countries around the... Threaded fasteners Front wheel Value Valid Quick-release axle in threaded bush M24 x 1.5 37 lb/ft (50 Nm) Clamping screw in axle adapter M8 x 35 Tighten the screws 6 times, alternating between one and the other each time 14 lb/ft (19 Nm) Radial brake calipers on the axle adapter M10 x 65... BMW Motorrad front wheel stand for lifting the motorcycle. speeds. FCC Approval This device complies with Any changes or modifi- Part 15 of the FCC rules. cility, preferably an authorized Lift battery upwards; if it is dif- BMW Motorrad retailer, for set- ficult to move, moving it back ting of the date. Page 96 Display duration for last Minimum lap time Lamp malfunction stopped time displays When using an infrared receiver to determine the lap times, the Display of the display duration in If lamps or bulbs are removed time can be set which must seconds. www.wiseco.com BMW S1000RR 2009-15 FMC152\* Buell All Models 1999-07 FMC035\* Ducati All - except P-8 ECU 1999-05 FMC044\* Harley All Big Twin Harleys 1995-05 FMC051\* Harley Dyna 2006-11 FMC052\* Harley Softail 2006 FMC053\* Harley Softail 2007-11 FMC054\* Harley Touring 2006 FMC055\* Harley Touring 2007 FMC056\* Harley Touring 2008-09 FMC057\* Harley V-ROD ... Piston, Wiseco, Wiseco pistons. S1000RR Manual S1000rr. Bmw s1000rrr service manual s1000rrr service, Bmw s1000rr, Bmw s1000rrr workshop manual downloads PDF, Bmw s1000rrr service manual PDF, Amazon S3. Bmw s1000rrr service manual, User, Guide, Wiseco pistons, S1000RR Page 1 BMW Motorrad The Ultimate Riding Machine Rider's Manual (US Model) S 1000 RR... Page 109 BMW Motorrad Integral Special situations pedal is operated before or at the ABS must assume extremely low same time as the brake lever. Battery voltage 12 V Battery capacity 10 Ah Spark plugs Spark plugs, manufacturer and designation NGK LMAR9D-J Electrode gap of spark plug... Higher rider 187 lbs (85 kg)) weight requires higher spring preload, lower weight requires lower spring preload. Exit settings ( 90). Page 27 Overview of warning indicators Warning and indicator Warning symbols in the Meaning lamps display panel ! EWS Lights up yellow is indicated Electronic immobilizer is active ( Lights up Fuel down to reserve ( Lights up red Temperature Coolant temperature too high (display flashes Lights up Engine in emergency-operation mode... your BMW, please remember NOTICE Special informa- Optional extra. rubber buffer at position 4 and remove. Page 104 Installing front turn signal Remove screws 2. Page 92 Setting parameter Exiting settings Switch-on speed of shifting flasher Press and hold button 2 until Press and hold button 1 until multifunction display switches displayed parameter begins to Display of switch-on speed in over to ROAD mode. The readiness for operation of with ABS Pro the BMW Motorrad Race ABS ABS Pro is displayed when is checked by the self-diagnosis. Page 82 Adjusting display setting Starting time recording recording continues to run. 500 mls (800 km). for compatibility with the elec- Installing driver's seat ( 57). For BMW Service is carried out once racing operation, adjust the inter- a year. vented within the scope of the Side stand physical riding limits. Begin by clamping one end of clips of jump leads and mo- the red jumper cable to the Installing driver's seat ( 57). with series tires recommended ating license for public roads. Tightening sequence: Tighten Quick-release axle in ATTENTION... SPORT style. Have the defect corrected as soon as possible by an autho- rized workshop, preferably an authorized BMW Motorrad re- Check level of brake fluid in taller. Standard BMW Service Checking the tire pressure and tread depth. Jump directly to ROAD mode Set parameter ( 90). Infrared receiver with infrared receiver Operation of the instrument clus- ter in the LAPTIMER mode can To change display setting in Press button 1 to start record... Use chrome pol- care of rubber seals. lowing selection of a maximum speed is activated. Safety risk proved by BMW for this purpose. Shifting gears Engine run-in speed WARNING Shiftpoint lamp New brake pads. Install screws 3 with washers. Page 41 Continue to press the button 2 To adopt the current driving When you exceed the preset LIMIT until appears in the speed as the new limit: Press speed the shiftpoint lamp 3 re- display. Clutch Clutch design Multi-disk oil-bath clutch, slipper clutch Transmission Transmission design Claw-shifted 6-speed transmission integrated in engine housing Transmission gear ratios 1.652 (76:46 teeth), Primary gear ratio 2.647 (45:17 teeth), 1st gear 2.091 (46:22 teeth), 2nd gear 1.727 (38:22 teeth), 3rd gear 1.500 (36:24 teeth), 4th gear 1.360 (34:25 teeth), 5th gear 1.261 (29:23 teeth), 6th gear... Make sure ground is level and chain lubricant. The lap that previously had been the second to last lap is taken over as the new last lap. Page 189 Approbation de informations avec la clé de Toute modification contact via l'antenne qui n'aurait pas été la FCC annulaire. Page 180 BMW Service BMW Service BMW Service Conducted Conducted Odometer reading Odometer reading Next service Next service Next service at the latest at the latest at the latest or, if reached sooner, or, if reached sooner, or, if reached sooner... Page 26 Warnings for which no individual warning lamp is present are sig- naled by the universal warning lamp 1 which lights up in combi- nation with the appearance of a warning notice such as 2 in the multifunction display. work: Lubricating the side stand. tion 1. BMW Motorrad to cover the ex- posed screw sockets and secure the mounting attachment. removal, in order that the parts Always have the tightening are not damaged or are lost. Overlooking the motorcy- as soon as possible at an au- lights up. wheel ( 53). Motorcycle tips to the side Pinching of components. NOTICE Press switch 1 toward front to Immediately after switching off switch on high beams. Add coolant up to specified level. Depending on the motorcycle's equipment, the following steps are necessary: ABS Pro Retrofit. Check yaw rate sensor and replace if necessary. Overviews General view, left side ... 11 General view, right side ... Brakes Accident hazard No shifting support is provided in Never adjust the steering the following situations: How do you achieve dampor except while the during shifting with engaged the shortest stopping motorcycle is stationary. Falling cannot be excluded Switch off engine. Maximum number of defective LEPS in the tail- lamp Bulbs for flashing turn indicators, front RY10W / 12 V / 10 W Bulbs for flashing turn indicators, rear RY10W / 12 V / 10 W Bulb for license-plate light W5W / 12 V / 5 W Frame Frame design Cast light alloy - welded design with screwed-on... Shiftpoint lamp flashes or remains on continuously with anti-theft alarm system Anti-theft alarm battery according to the selected setting. Installing the auxiliary stand on Unscrow right-hand axle clamp- the front wheel ( 137). on the ground evenly. Page 140 Use basic stand (83 30 402 Turn in the bracket 2 with the Attach the auxiliary stand to the 241) with mounting pieces (83 long sides facing the inside. Guide cable buffer at position 4. Guide cable through ing 9. Insert socket 3 in headlight Remove the screw 1. BMW Motorrad retailer, for It is only displayed after the fuel refueling. face with the upholstered side on the bottom. Accessories General instructions ....112 BMW Motorrad ABS Pro ..112... chain 7 from chain sprocket. BMW Motorrad Tighten quick-release axle cannot evaluate the suitability of nut 1 to specified torque. riding In the following unusual driving Do not reduce the system's ex- modes. BMW Motorrad retailer. Engine idling for a lengthy and damage. Underneath seat ... ing 0...186 miles (0...300 km)) Accident hazard. pull the socket 3 out of the headlight housing. Maintenance schedule BMW running-in check Standard BMW Service 176) Engine oil change with fil- Check valve clearance Checking the engine tim- Replace all spark plugs Replacing air filter Telescopic fork oil change Change the brake fluid in the entire system... Make sure ground is level and firm and park motorcycle. Page 28 Warning and indicator Warning symbols in the Meaning lamps display panel 1 VDS is indicated Fall sensor defective ( flashes ABS self-diagnosis not completed lights up ABS deactivated ( lights up ABS error ( flashes rapidly DTC intervention ( flashes slowly DTC self-diagnosis not completed lights up DTC deactivated (... the brake lever forward when WARNING doing so. Have the brakes checked at an level. On slopes point the motorcycle Escaping of fuel due to ex- uphill and engage 1st gear. with an ethanol content of 85 % or with Flex Fuel. National Highway Traffic Safety Ad- ministration (NHSTA) in addition to notifying BMW of North America, LLC. Page 49 tion at the rear wheel (see the Installing coding plug Malfunctions chapter "Technology in detail"). To detect the tendency of the friction coefficients (gravel, ice, wheels to lock up, the speeds... nness in percent of the maximum point lamp and the speed warn- brightness, that you apply BMW Car Wax or At the same time, you should Completely fill the motorcycle's another wax containing carnauba remove particularly aggressive fuel tank. Page 196 36.3 psi (2.5 bar), With tire cold Tire pressure, rear 42.1 psi (2.9 bar), With tire cold You'll find additional information on all aspects of your motorcycle at: bmwmotorrad.com BMW recommends \*01418542547\* Order No.: 01 41 8 542 547 07.2015, 4th edition, 07... Make sure that wheel speed Insert right side shim 6 in sensor 9 is not damaged when swing arm with travel stop 12 rolling in rear wheel. Lamps Remove the cover 1 to replace the low-beam bulb. Use loops 1 e.g. in conjunction ATTENTION with passenger footrests, to lash luggage onto passenger Incorrect positioning of the seat. NOTICE The hazard warning flashers Press button 1 to switch on place a strain on the battery. Brake early. When doing so, make helmet lock. Delete lap times ( 87).



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