

# GENERAL INDEX

1 - General

2 - Information about the model

3 - Technical data

4 - Maintenance operations

5 - Fairings

6 - Electric system and engine control system

7 - Chassis

8 - Fuel system/Exhaust system

9 - Engine

## Section 1

## 1 - General

1 - How to use this manual	3
How to use this manual	3
Layout of the manual	4
2 - Symbols - Abbreviations - References	5
Product specifications	6
3 - Hazardous Products - Warnings	8
General safety rules	8
General maintenance indications	10

## Section 2

## 2 - Information about the model

1 - Identification data	3
Diavel identification data	3

## Section 3

## 3 - Technical data

1.1 - Technical specifications	3
General	3
Colours	4
Transmission	4
Timing system/valves	5
Crankshaft	5
Cylinder/Piston	6
Gearbox	6
Cooling system	6
Front wheel	7
Front suspension (Diavel ABS)	7
Front suspension (Diavel Carbon ABS)	7
Rear wheel	7
Rear suspension (Diavel ABS)	8
Rear suspension (Diavel Carbon ABS)	8
Hydraulic brakes	8
Charging system/alternator	9
Injection-ignition system	9
Fuel system	9
Injection system	9
Lights/instrument panel	10
1.2 - Dimensions	11
2 - Fuel, lubricants and other fluids	12
3 - Torque settings	13

Frame torque settings	13
Engine torque settings	20
<b>4 - Service tools</b>	<b>23</b>
Specific tools for the engine	23
Specific tools for the frame	30
Appropriate diagnosis tools	33

## Section 4

### 4 - Maintenance operations

<b>1 - Vehicle pre-delivery</b>	<b>3</b>
<b>2 - Scheduled maintenance chart</b>	<b>4</b>
Operations to be carried out by the dealer	4
List of operations to be performed at 1000 km	4
Operations to be carried out by the dealer	5
List of operations to be performed every 12000 km / year (first limit reached)	5
Operations to be carried out by the customer	5
List of operations to be performed every 1000 km	5
<b>3 - Maintenance operations</b>	<b>6</b>
Reading of the error memory with DDS on the engine control units, vehicle and ABS	6
Check engine oil level	6
Changing the engine oil and filter cartridge	7
Checking valve clearances	11
Change timing belts	14
Spark plugs replacement	15
Changing and cleaning the air filters	17
Checking the coolant level	20
Changing the coolant	21
Changing the brake fluid	23
Draining the clutch hydraulic circuit	27
Filling the clutch circuit	30
Adjusting the steering head bearings	32
Adjusting the chain tension	33
Checking brake pad wear and changing brake pads	34
Adjusting the throttle cable	39
Adjusting the clutch lever and front brake lever	41
Adjusting the position of the gear change and rear brake pedals	42
Adjusting the front fork	43
Adjusting the rear shock absorber	44

## Section 5

### 5 - Fairings

<b>1 - Rear view mirrors</b>	<b>3</b>
Removal of the rear-view mirrors	4
Refitting the rear-view mirrors	4
<b>2 - Fairings</b>	<b>5</b>
Removal of the fuel tank fairings	6

Disassembly of the front half-fairings	9
Reassembly of the front half-fairings	10
Refitting the fuel tank fairings	12
<b>3 - Seat</b>	<b>17</b>
Removal of the seat	18
Disassembly of the seat	18
Reassembly of the seat	19
Refitting the seat	20
<b>4 - Front and rear mudguard</b>	<b>21</b>
Removal of the front mudguard	22
Refitting the front mudguard	24
Removing the rear mudguard	25
Refitting the rear mudguard	25
<b>5 - Fairings</b>	<b>26</b>
Removal of belly fairing	27
Reassembly of belly fairing	30
<b>6 - Electrical components support</b>	<b>34</b>
Removing the electrical components support	35
Reassembling the electrical components support	37

## Section 6

### 6 - Electric system and engine control system

<b>1 - Wiring diagram</b>	<b>5</b>
Key to wiring diagram	6
Wiring diagram colour codes	7
Rear left fuse box (1) key	7
Rear right fuse box (2) key	7
Routing of wiring on frame	8
<b>2 - Battery charging system</b>	<b>9</b>
Checking the battery charging system	9
Recharging the battery	10
Topping up the electrolyte	11
Battery	15
Alternator	19
Rectifier-regulator	22
<b>3 - Electric starting system</b>	<b>24</b>
Electric starting system	24
Starter motor	24
Solenoid starter	29
<b>4 - Lights and indicating devices</b>	<b>31</b>
Renewal of the headlight	31
Changing bulbs	35
Headlight aim	38
<b>5 - Indicating devices</b>	<b>39</b>

Checking the indicating devices	39
<b>6 - Protection and safety devices</b>	<b>44</b>
Checking protection and safety device components	44
Checking the fuses	45
<b>7 - Instruments</b>	<b>46</b>
Instrument panel	46
Instrument panel system	47
LCD unit functions	49
Vehicle speed indicator	50
Engine rpm indicator (RPM)	51
Clock	52
Coolant temperature	53
Instrument panel on tank	54
TFT - Parameter setting/display	54
Total distance covered indicator: "Odometer"	55
"Trip 1" meter	56
"Trip 2" meter	57
Distance travelled on fuel reserve: "TRIP FUEL"	57
Indicator "CONS. AVG" - Average fuel consumption	58
Indicator "CONS." - Instantaneous fuel consumption	58
Indicator "SPEED AVG" - Average speed	59
Indicator "TRIP TIME" - Trip time	59
Indicator "AIR" - Air temperature	60
Engaged gear indicator	60
"Riding Mode set" indication	61
Indication if the "LAP" function is active/not active	61
"Riding Style" function (riding style change)	62
Maintenance indicator	63
First warning - OIL SERVICE 1000 Km	63
Residual range indication when the SERVICE is due	64
Indication of range reached for SERVICE	64
Warning indication (Alarms/Signals)	65
"Low" battery level	66
Traction Control (DTC) deactivated	66
Hands Free key (HF) not recognised	67
"Low" Hands Free key (HF) battery level	67
"High" engine coolant temperature	68
Steering release error - Steering still locked	68
Instrument panel diagnosis	69
"Setting" menu	71
"Riding Mode" customisation	73
DTC (Ducati Traction Control) setting function	75
Tips on how to select the sensitivity level	76
ENGINE setting function (Engine Power Control)	77
DEFAULT function (Resetting Ducati default parameters)	78
Menu 2 On/Off function	79
Background setting function for the instrument panel on tank - DASHBOARD 1	80
Backlighting setting function for the instrument panel on handlebar - DASHBOARD 2	81
Digital RPM indication function	82
LAP Activation/Deactivation function (lap time)	83
LAP registration function	84
Stored LAP display function	86
Stored LAP erase function	87
Battery voltage indicator (BATTERY)	88
Clock setting function	89

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$