

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

MV Agusta - rukovodstvo_po_observaciu_Brutale_1090RR (maintenance Manual)

Maintenance Manual

Italian Version

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 1

Chap. Topic Description Page

1 MAINTENANCE 3

1.1. Symbology 3

1.2. Maintenance and inspection tables 4

1.3. Supplied tools and accessories 14

1.4. Lubricants and fluids table 15

1.5. Engine oil - Level check 16

1.5.1. Engine oil - Level restoration 17

1.6. Coolant - Level check 19

1.6.1. Coolant - Level restoration 20

1.7. Brake pads - Wear check 22

1.8. Brake control fluid - Level check 23

1.9. Clutch control fluid - Level check 25

1.10. Tires - Check and replacement 26

1.11. Chain - Check and lubrication 32

1.12. Idle speed - Check 36

1.13. Replacements - General information 37

1.13.1. Fuses - Replacement 37

1.13.2. Low beam headlight - Bulb replacement 40

1.13.3. High beam headlight - Bulb replacement 43

1.13.4 License plate light - Bulb replacement 44

1.14. Battery 45

1.15. Motorcycle cleaning 47

1.16. Extended storage period 50

- 2 -chap. Topic Description Page

2 FAULTS 51

2.1. Engine problems 51

2.2. Electrical system problems 56

3 TECHNICAL INFORMATION 59

3.1. General description of the motorcycle 59

3.1.1. Front brake circuit 61

3.1.2. Rear brake circuit 62

3.1.3. Clutch circuit 63

3.1.4. Engine lubrication 64

3.1.5. Cooling circuit 65

3.1.6. Fuel circuit 66

3.2. Technical data 67

3.3. Color reference of superstructure

components 75

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

3.4. Color reference of frame and chassis
components 77

GENERAL INDEX

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 2

MAINTENANCE 1

1

IT

- 3 -

1.1. Symbology

Text parts of particular importance, relating to personal safety and the integrity of the motorcycle, are highlighted with the following symbols:

Danger - Attention: failure to observe these instructions, in whole or in part, may result in serious danger to yourself and others.

Caution - Precaution: failure to observe these instructions, in whole or in part, may result in damage to the motorcycle.

To indicate the personnel authorized to carry out adjustment and/or maintenance operations, they are identified by the following symbols:

Information on operations permitted to the motorcyclist.

Information on operations that must be performed only by authorized personnel.

To highlight further information, the following symbols are used:

The symbol indicates the need to use a specific tool or equipment for the correct execution of the described operation.

§ The symbol § indicates a reference to the chapter identified by the number that follows it.

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 3

MAINTENANCE 1

1

IT

- 4 -

1.2. Maintenance and inspection tables

The most important maintenance and inspection operations and their frequency are shown in the specific tables. It is essential to perform these operations to keep the motorcycle efficient and safe.

The intervals indicated in the periodic maintenance and lubrication table should be considered only as a general guideline under normal driving conditions. It may be necessary to reduce these intervals depending on climatic conditions, terrain, geographic location and individual use.

Some operations can be performed by the motorcycle owner, provided they have the necessary skills. Otherwise, have the operations performed at an authorized service center.

In general, maintenance operations should be performed with the motorcycle positioned on a rear stand, with the engine off and the switch in the "OFF" position. During fluid level checks, it is preferable to keep the motorcycle in a vertical position without using the rear stand.

Beyond 36,000 km (22400 mi), the operations must be performed with the same frequency indicated in the specific tables.

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 4

MAINTENANCE 1

1

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

IT

- 5 -

ATTENTION

Improper maintenance, or failure to perform the recommended maintenance work, increases the risk of accidents or damage to the motorcycle.

Always use original MV Agusta spare parts. The use of non-original spare parts can accelerate the wear of the motorcycle and shorten its life.

Failure to perform the recommended operations or the use of non-original spare parts may result in the warranty being voided.

The replacement and/or restoration of lubricants and fluids must be performed using exclusively the products indicated in §1.4.

ATTENTION

In the case of track use, it is recommended to have the motorcycle checked both before and after use by specialized personnel belonging to the MV Agusta Service Center network.

Track use is permitted only occasionally and, in any case, not for competitive purposes, even if amateur.

The use of the motorcycle on the track involves a significant increase in the wear of the various components, with a consequent useful life of the same reduced compared to normal use on roads or highways.

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 5

MAINTENANCE 1

1

IT

- 6 -

Scheduled maintenance tables

0 1000 6000 12000 18000 24000 30000 36000
(600) (3800) (7500) (11200) (14900) (18600) (22400)

Pre-delivery

OPERATION DESCRIPTION

Maintenance Frequency Km (mi)

Service A B C D E F G

Engine oil Level check Before each use of the vehicle

Replacement GGGGGGG

Anyway every year

Engine oil filter GGGGGGG

Anyway at every engine oil replacement

Coolant Level check / Restoration Before each use of the vehicle

Level check / Restoration GGGGGGGGG

Replacement Every two years

Cooling system Leak check GGGGGGGGG

Electric fans Function check GGGGGGGGG

Valves Check / Adjustment GGG

Timing chain Check GG

Replacement G Replacement

(Use only original MV Agusta oil filters)

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 6

MAINTENANCE 1

1

IT

- 7 -

0 1000 6000 12000 18000 24000 30000 36000
(600) (3800) (7500) (11200) (14900) (18600) (22400)

Pre-delivery

OPERATION DESCRIPTION

Maintenance Frequency Km (mi)

Service A B C D E F G

Scheduled maintenance tables

Mobile timing chain pad

Check / Replacement GG

Replacement G

Anyway at every timing chain replacement

Timing chain tensioner Check / Replacement GGG

Spark plugs Check / Replacement GGG

Replacement GGG

Fuel filter Check / Replacement GGG

Throttle body Check and Adjustment GGGGGGG

Air filter Check / Replacement GGGGG

Level check Before each use of the vehicle

Brake and clutch fluid

Level check GGGGG GG

Replacement G

Anyway every 2 years

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 7

MAINTENANCE 1

1

IT

- 8 -

0 1000 6000 12000 18000 24000 30000 36000
(600) (3800) (7500) (11200) (14900) (18600) (22400)

Pre-delivery

OPERATION DESCRIPTION

Maintenance Frequency Km (mi)

Service A B C D E F G

Scheduled maintenance tables

Functionality check Before each use of the vehicle

Every 500 ÷ 1000 km (300 ÷ 600 mi)

Brakes / Clutch Functionality check GGGGGGGG

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

Circuit check GGGGGGGG

GGGGGGGG

Brake pads Wear check Every 1000 Km (600 mi)

(front + rear) Check / Replacement GGGGGGG

Fuel circuit pipes Defects and leaks check GGGGGGG

Replacement Anyway every 3 years

Functionality check Before each use of the vehicle

Throttle control Functionality check GGGGGGGG

Check / adjustment of play GGGGGGGG

Starter control Functionality check GGGGGGGG

Cleaning of contact area

lever / pump piston

Cleaning of contact area

lever / pump piston

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 8

MAINTENANCE 1

1

IT

- 9 -

0 1000 6000 12000 18000 24000 30000 36000

(600) (3800) (7500) (11200) (14900) (18600) (22400)

Pre-delivery

OPERATION DESCRIPTION

Maintenance Frequency Km (mi)

Service A B C D E F G

Scheduled maintenance tables

Transmissions and

flexible controls

Check / Adjustment GGGGGGGG

Check Every 1000 Km (600 mi)

Lubrication Every 1000 Km (600 mi) and after each ride in the rain

Drive chain

Check / Adjustment GGGGGGGG

Lubrication G GGG

Replacement GGG

Check G GGG

Sprocket / Locking washer

Replacement GGG

Anyway at every drive chain replacement

Check G GGG

Rear sprocket

BL Motorcycles Ltd

Professional Workshop Manual - English Translation

Replacement GGG

Anyway at every drive chain replacement

1_MM_B5 1090_IT_Ed.2.qxd 27-07-2010 8:29 Page 9