

MV AGUSTA

F4



Owner's Manual

Il presente Manuale di uso e manutenzione è disponibile nelle edizioni in lingua sotto specificate:

This Owner's Manual is available in the languages listed below:

Le présent livret d'utilisation et d'entretien est disponible dans les éditions rédigées dans les langues spécifiées ci-dessous:

Die vorliegende Bedienungs- und Wartungsanleitung ist in folgenden Sprachen erhältlich:

Las ediciones del presente manual de uso y mantenimiento están disponibles en los siguientes idiomas:

Codice/Code/Code
Bestell-Nr./Código

Edizione Italiana	<i>Italian Edition</i>	Edition Italienne	<i>Italienische Ausgabe</i>	Edición en Italiano	800092869
Edizione Inglese	<i>English Edition</i>	Edition Anglaise	<i>Englische Ausgabe</i>	Edición en Inglés	8A0092869
Edizione Francese	<i>French Edition</i>	Edition Française	<i>Französische Ausgabe</i>	Edición en Francés	8B0092869
Edizione Tedesca	<i>German Edition</i>	Edition Allemande	<i>Deutsche Ausgabe</i>	Edición en Alemán	8C0092869
Edizione Spagnola	<i>Spanish Edition</i>	Edition Espagnole	<i>Spanische Ausgabe</i>	Edición en Español	8D0092869
Edizione USA	<i>USA Edition</i>	Edition USA	<i>USA Ausgabe</i>	Edición USA	8A0089042

Dear Customer,

We wish to thank you for your preference and congratulate you on purchasing your new F4.

Your choice is a reward for the passionate effort our technicians have put into giving the F4 functional and aesthetic characteristics that place it above the finest motorcycles currently available on the market, making it an exclusive and sought-after item.

If, from a purely technical standpoint, the F4 represents an internationally recognized point of reference on account of the innumerable innovations it introduces, its sleek, timeless design wonderfully combines a glorious past with the new millennium.

The combination of these elements, which was made possible by love of detail, passion, and the desire to realize a technically and aesthetically superior motorcycle, allows the F4 to soar above passing fashions, giving it the privilege of being considered a unique item.

This manual has been drawn up with a view to providing you with a clear and practical guide to operating and maintaining your new motorcycle while safeguarding your warranty rights.

The indications contained in the manual will help you make the most of your motorcycle in terms of both performance and operating life. The manual provides useful information on how to take care of your vehicle, and also describes some routine maintenance operations. Fundamental units such as the engine and the transmission are covered in the Workshop Manuals. Operations involving these parts require specific equipment and are reserved for skilled personnel. Your dealer possesses the skills, the equipment and the spare parts that are needed to keep your motorcycle in perfect working order. This manual is to be considered as an integral part of the vehicle, and must be transferred to any new owner together with the vehicle.



CONTENTS

<i>chap.</i>	<i>Subjects covered</i>	<i>page</i>
1	GENERAL INFORMATION	10
1.1	Purpose of the manual	10
1.2	Symbols	11
1.3	Warranty Booklet and Service Coupons	12
1.4	Identification data	13
1.5	Magnesium parts	15
2	SAFETY INFORMATION	16
2.1	Safety	16
2.1.1	How to report a safety-related defect	16
2.1.2	Noise emission warranty	16
2.1.3	Note on tampering	16
2.1.4	Information on the emission control system	18
2.1.5	Safety rules	19
2.1.6	Installing accessories	21
2.1.7	Vehicle load	21
2.1.8	Modifications	22
2.1.9	Competitions	22
2.1.10	Recommendations for safe riding	23
2.1.11	Protective clothing	25

<i>chap.</i>	<i>Subjects covered</i>	<i>page</i>
2.2	Safety signs - Location	27
2.3	Safety - Visual and acoustic signals	35
3	CONTROLS AND INSTRUMENTS	36
3.1	Location of controls and instruments	36
3.2	Sidestand	37
3.2.1	Auto return sidestand	37
3.2.2	Non-auto return sidestand	38
3.3	Handlebar controls, left side	39
3.4	Handlebar controls, right side	41
3.5	Ignition switch and steering lock	44
3.6	Gear lever	45
3.7	Instruments and warning lights	46
3.7.1	Warning lights	47
3.7.2	Multifunction display	48
4	OPERATION	49
4.1	Using the motorcycle	49
4.2	Running-in	50
4.3	Starting the engine	52
4.4	Setting the display functions	53
4.5	Selecting the display functions	58



CONTENTS

<i>chap.</i>	<i>Subjects covered</i>	<i>page</i>
4.6	Refuelling	60
4.7	Glove compartment	61
4.8	Parking the motorcycle	62
4.9	Preriding checks	64
4.10	Riding	65
5	ADJUSTMENTS	66
5.1	List of adjustments	66
5.2	Table of adjustments	68
5.3	Adjusting the front brake lever	69
5.4	Adjusting the clutch lever	69
5.5	Adjusting the rearview mirrors	70
5.6	Adjusting the steering damper	70
5.7	Adjusting the front suspension	71
5.7.1	Spring preload	72
5.7.2	Rebound damping hydraulic device (front suspension)	72
5.7.3	Compression damping hydraulic device (front suspension)	73
5.8	Adjusting the rear suspension	74
5.8.1	Rebound damping hydraulic device (rear suspension)	75

<i>chap.</i>	<i>Subjects covered</i>	<i>page</i>
5.8.2	Compression damping hydraulic device (rear suspension)	75
6	MAINTENANCE	76
6.1	Tables of scheduled maintenance and checks	76
6.2	Tools and accessories supplied	83
6.3	Table of lubricants and fluids	83
6.4	Removing/fitting the right-hand side fairing	84
6.5	Checking the engine oil level	86
6.5.1	Restoring the engine oil level	87
6.6	Checking the coolant level	88
6.6.1	Restoring the coolant level	89
6.7	Checking the wear of the brake pads	90
6.8	Checking the brake fluid level	91
6.9	Checking the clutch fluid level	92
6.10	Checking the tyres	93
6.11	Checking and lubricating the drive chain	94
6.12	Checking the idle speed	96
6.13	Periodic emission check	97



CONTENTS

<i>chap.</i>	<i>Subjects covered</i>	<i>page</i>
6.14	Emission control system warranty obligations	98
6.14.1	Your warranty rights and obligations	98
6.14.2	Manufacturer's warranty coverage	98
6.14.3	Owner's warranty responsibilities	99
6.15	Limited warranty on emission control system	100
6.15.1	Coverage	100
6.15.2	Limitations	101
6.15.3	Limited liability	102
6.15.4	Legal rights	103
6.15.5	Additional information	103
6.16	Replacing parts - General information	104
6.16.1	Replacing the fuses	104
6.16.2	Replacing the low beam bulb	106
6.16.3	Replacing the high beam bulb	107
6.16.4	Replacing the front turn indicator bulbs	108
6.16.5	Replacing the rear turn indicator bulbs	109
6.16.6	Replacing the rear light and brake light bulb	110
6.16.7	Replacing the number-plate light bulb	111

<i>chap.</i>	<i>Subjects covered</i>	<i>page</i>
6.17	Battery	112
6.18	Cleaning the motorcycle	113
6.19	Prolonged inactivity	114
7	TROUBLESHOOTING	115
7.1	Engine problems	115
7.2	Electrical equipment problems	120
8	TECHNICAL INFORMATION	123
8.1	Motorcycle overview	123
8.1.1	Front brake circuit	125
8.1.2	Rear brake circuit	126
8.1.3	Clutch circuit	127
8.1.4	Engine lubrication	128
8.1.5	Coolant circuit	129
8.1.6	Fuel system	130
8.2	Specifications	131
8.3	Carbon components	138



INDEX

A

Accessories, installation	21
Adjustments	
– clutch lever	69
– front brake lever	69
– front suspension	71
– list	66
– rear suspension	74
– rearview mirrors	70
– steering damper	70
– table	68

B

Battery	112
Brakes	
– fluid level, check	91
– front brake circuit	125
– front brake lever, adjustment	69
– pads, wear check	90
– rear brake circuit	126
Bulbs, replacement of	
– front turn indicators	108
– high beam	107
– low beam	106
– number-plate light	111
– rear light and brake light	110
– rear turn indicators	109

C

Carbon components	138
Chain	
– check	94
– lubrication	95
Cleaning the motorcycle	113
Clutch	
– circuit	127
– fluid level, check	92
– lever, adjustment	69
Competitions	22
Controls and instruments, location	36
Coolant	
– level, check	88
– circuit	129
– topping up	89

D

Damping, hydraulic device	
– compression (front suspension)	73
– compression (rear suspension)	75
– rebound (front suspension)	72
– rebound (rear suspension)	75
Display, multifunction	48
– selecting functions	58
– setting functions	53



INDEX

E		
Electrical equipment, troubleshooting	120	
Emissions		
– control system	18	
– control system warranty	98	
– periodic check	97	
Engine		
– lubrication	128	
– oil level, check	86	
– oil level, topping up	87	
– starting	52	
– troubleshooting	115	
F		
Fuel system	130	
Fuses, replacement	104	
G		
Gear lever	45	
Glove compartment	61	
H		
Handlebar controls		
– left side	39	
– right side	41	
Headlight		
– high beam, bulb replacement	107	
– low beam, bulb replacement	106	
I		
Identification data	13	
Idle speed, check	96	
Ignition switch and steering lock	44	
Instruments and warning lights	46	
L		
Levels		
– brake fluid	91	
– clutch fluid	92	
– coolant	88	
– engine oil	86	
Location of controls and instruments	36	
Lubricants and fluids, table	83	
M		
Magnesium components	15	
Maintenance and checks, tables	76	
Motorcycle overview	123	
N		
Number-plate light, bulb replacement	111	
P		
Parking	62	
Preriding checks	64	
Prolonged inactivity	114	
Purpose of manual	10	



INDEX

R

Rear light and brake light, bulb replacement	110
Rearview mirrors, adjustment	70
Refuelling	60
Replacing parts, general information	104
Running-in	50

S

Safety	16
– recommendations for safe riding	23
– reporting a safety-related defect	16
– rules	19
– signs, location	27
– visual and acoustic signals	35
Scheduled maintenance tables	77
Side fairing, right-hand, removal/refitting	84
Sidestand	37
Specifications	131
Spring preload	72
Steering damper, adjustment	70
Suspensions	
– front, adjustment	71
– rear, adjustment	74
Symbols	11

T

Tampering, note	16
Tools and accessories supplied	83
Topping up	
– coolant	89
– engine oil	87
Troubleshooting	
– electrical equipment	120
– engine	115
Turn indicators	
– front, bulb replacement	108
– rear, bulb replacement	109
Tyres, check	93

V

Vehicle	
– load	21
– modifications	22

W

Warning lights	47
Warranty	
– Booklet and Service Coupons	12
– emission control system	98

**1****1.1 Purpose of the manual**

In addition to providing directions on operation and maintenance, this manual contains important information about general safety. Read the manual over carefully before first using the motorcycle.

The manual describes the model with the maximum equipment at print time.

Information marked with the symbol “★” only refers to the F4 750 ORO model.



1.2 Symbols

Sections of text that are particularly important in terms of personal safety or possible damage to the motorcycle are marked with the following symbols:



Danger - Warning: Failure to observe these prescriptions, even in part, may pose a serious hazard to the rider's and other people's safety.



Caution: Failure to observe these prescriptions, even in part, may result in damage to the motorcycle.

The following symbols give an indication of who is supposed to perform the different adjustments and/or maintenance operations:



Information on operations that can be carried out by the user.



Information on operations that are reserved for authorized personnel.

The “§” symbol refers the reader to the chapter identified by the number that follows.



1

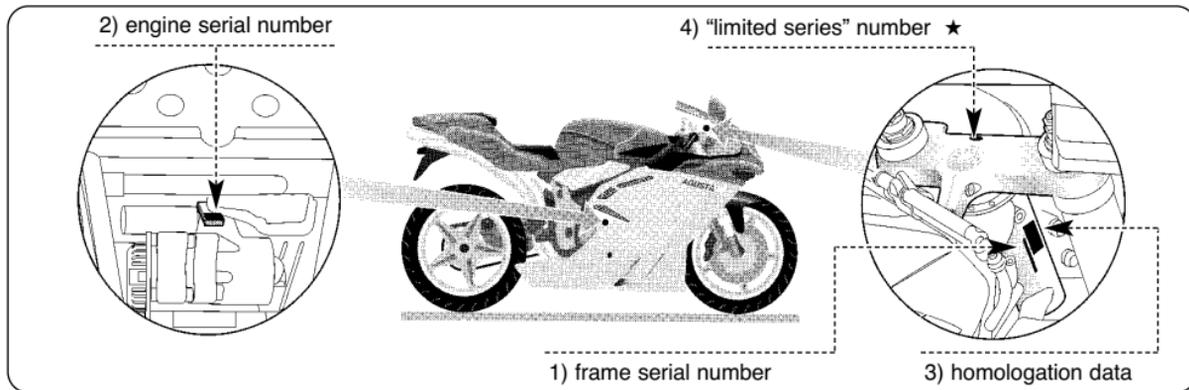
1.3 Warranty Booklet and Service Coupons

Besides this Owner's Manual, the vehicle is accompanied by a Warranty Booklet containing a Warranty and Pre-Delivery Certificate and recommended service coupons.

IMPORTANT

The copy the Warranty and Pre-Delivery Certificate to be sent to MV Agusta Motor must be filled in by the dealer and returned to the factory within 7 days from the date of registration.

Every time the vehicle is serviced by a dealer, the user must produce the Warranty Booklet so that the dealer can fill in the service coupon and return it to the manufacturer within 7 days from the date of the servicing.



1

1.4 Identification data

- 1) frame serial number
- 2) engine serial number
- 3) homologation data
- 4) "limited series" number ★

► Motorcycle identification

The motorcycle is identified by a frame serial number. When placing orders for spare parts, in addition to this number, you may be required to provide the engine serial number, the colour code and the key identification.

We recommend writing down all these numbers and keep them in a safe place.

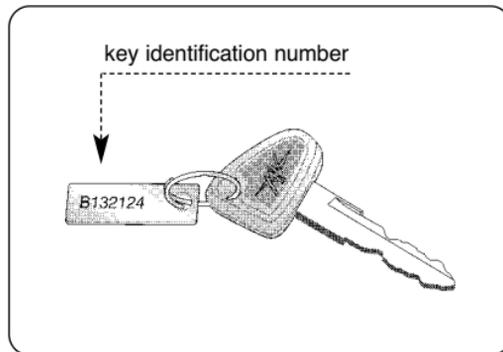
- ★ *This motorcycle has been produced in a limited series. Each vehicle is identified by a serial number stamped on a 24-carat gold plate.*



1

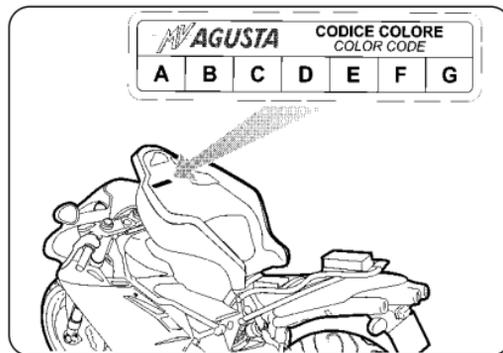
► Motorcycle key identification

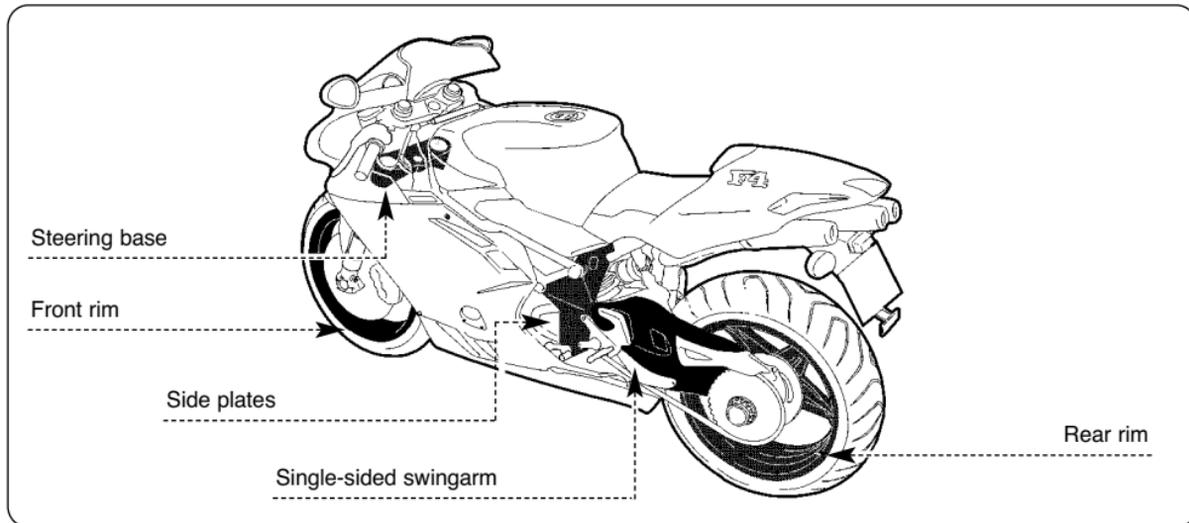
A key is supplied in duplicate for both the ignition and all the locks. Keep the duplicate in a safe place.



► Identification of motorcycle colour combination

The colour code must be mentioned when ordering body spares.





★ 1.5 Magnesium components

Check the condition of the surface coating of magnesium components before each ride. If any abraded parts are noted, immediately contact an authorized service centre.

After travelling on roads treated with salt, wash the parts as soon as possible with cold water. Do not use hot water as it enhances the corrosive action of salt.



2.1. Safety

2.1.1 HOW TO REPORT A SAFETY-RELATED DEFECT

2

If you believe that your vehicle has a defect capable of causing accidents involving the risk of death or injury, immediately contact the National Highway Traffic Safety Administration (NHTSA) as well as MV AGUSTA Motor S.p.A. If the NHTSA receives, or has received, similar complaints, it may order an investigation and, if a safety-related defect is found on a certain number of vehicles, it may arrange for a recall to be conducted. On no account, however, can the NHTSA be involved in any controversy arising between you and your dealer or MV AGUSTA Motor S.p.A. To contact the NHTSA, you may call the toll-free Auto Safety Hotline at 1-800-424-9393 (or 366-0123 in the Washington D.C. area), or send a letter to the following address: NHTSA, U.S. Department of Transportation, Washington, D.C. 20590.

The Hotline may also provide you with additional information on motor vehicle safety.

2.1.2 NOISE EMISSION WARRANTY

MV AGUSTA Motor S.p.A. warrants that, at the time of sale, the exhaust system conformed to all applicable U.S. EPA (Environmental Protection Agency) noise control regulations. The warranty applies to the first retail purchaser of the exhaust system and to all subsequent buyers. Any warranty claims must be addressed to: Cagiva U.S.A., Davisville Road, Willow Grove, PA 19090-4139.

2.1.3 NOTE ON TAMPERING

Tampering with the noise control system is prohibited. In particular, federal law prohibits the following acts:

1. The removal or rendering inoperative, other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use.



2. The use of the vehicle after such device or element of design has been removed or rendered inoperative.

Acts presumed to constitute tampering include:

1. The removal or piercing of the exhaust silencer, the diaphragm, the manifolds, or any other components involved in the transmission of exhaust gases.
2. The removal or piercing of any part of the intake system.
3. Poor maintenance.
4. The replacement of any movable parts of the vehicle or of any intake or exhaust components with parts or components other than those prescribed by the manufacturer.

NOTE

We recommend overhauling and if necessary repairing or replacing the product if a marked increase in noise levels is noted.

Failure to do this may cause the owner to incur the penalties provided for by local and national legislation.



WARNING

Highway Code provisions vary from country to country. Make sure of the content of local regulations before using the vehicle.



2

2.1.4 INFORMATION ON THE EMISSION CONTROL SYSTEM

The combustion process produces carbon monoxide and hydrocarbons. Hydrocarbon control is particularly important in that, under certain conditions and when exposed to direct sunlight, hydrocarbons undergo reactions which lead to the formation of photochemical smog. Carbon monoxide does not react in the same way, but it is highly toxic. **MV Agusta** uses a sequential multi-point electronic injection system and other methods designed to cut carbon monoxide and hydrocarbon emissions.

Exhaust emission control system

The exhaust emission control system is made up of the sequential multipoint injection (SMPI) system, which requires no adjustment. The exhaust emission control system is distinct from the crankcase emission control system.

Crankcase emission control system

The engine is equipped with a closed-crankcase

system designed to prevent the release of crankcase emissions into the atmosphere. Blow-by gases return to the combustion chamber via the air filter and the injection system.

Problems relating to the vehicle's emissions

Should the vehicle show any of the following symptoms, contact your **MV Agusta** dealer to have it checked and if necessary repaired:

- 1) Engine is difficult to start or stalls after starting.
- 2) Idle speed is erratic.
- 3) Misfiring or backfiring during acceleration.
- 4) Afterburning.
- 5) Poor performance (driveability) and excessive consumption.



2.1.5 SAFETY RULES



IMPORTANT: READ BEFORE USE

- Before riding, carefully read this manual so as to familiarize yourself with the controls, characteristics, functionalities and limits of the vehicle. The manual is not aimed at providing information on all possible techniques and methods required for safe riding.
- Do not attach a sidecar, a trailer or any other accessory to the motorcycle. Do not modify the vehicle in any way. Failure to observe this prescription may make the vehicle unstable and cause serious accidents.
- To ensure maximum reliability and maintain the vehicle in perfect working order, it is essential to perform the servicing detailed in the Scheduled Maintenance Table and to follow all the prescriptions provided in this manual. For further information, apply to your dealer, who possesses the necessary technical skills and the workshop manual.
- The introduction of structural improvements and performance enhancements in the production process may cause the structure of the vehicle to depart slightly from the illustrations and texts contained in this manual.



- ▶ **Do not use the motorcycle, nor try to service it, if you do not possess the necessary skills.**
- ▶ **Full control of the motorcycle is fundamental to safe riding. Concentration and a perfect physical condition are essential requirements for the rider. The road and weather conditions should also be taken into account.**
- ▶ **Always wear suitable clothes, especially when travelling by night (e.g. garments with fluorescent bands).**
- ▶ **Always wear a helmet, even on short rides.**
- ▶ **When travelling during daylight, keep the low beam on if allowed by local regulations.**
- ▶ **Do not attach objects or wear garments that could adversely affect control and handling of the motorcycle.**
- ▶ **When refuelling, switch off the engine and refrain from smoking.**
- ▶ **When refuelling, avoid spilling the fuel onto the tank and the exhaust pipes.**
- ▶ **When refuelling, stay away from the vehicle to avoid inhaling harmful fumes. Should the fuel come into contact with the skin or clothes, immediately wash with water and change the contaminated garments.**
- ▶ **Some parts of the vehicle become very hot during use. Avoid contact with these parts and keep the motorcycle out of the reach of children.**
- ▶ **Always park the motorcycle safely and avoid leaving it unattended while the ignition key is in the dashboard.**
- ▶ **Park the vehicle where it is unlikely to be bumped into or damaged.**
- ▶ **To prevent the vehicle from tipping over, never park it on soft or uneven ground.**
- ▶ **Do not start the engine in closed places. Exhaust gases are toxic and can quickly saturate the air and cause fainting or even death.**
- ▶ **Before starting the engine in a closed place, ensure that the area is well ventilated.**