Workshop Manual

NAVIGATOR

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Introduction

This publication is intended for CAGIVA Workshops and is designed to help authorized personnel in service and repair operations. Familiarity with the specifications provided herein is a key factor in ensuring effective training of operators.

To make the manual easy to understand, the different paragraphs are identified by icons that point out the subjects being dealt with.

Notes having special meanings are marked with the following symbols:



Accident-prevention rules for the operator and other people working close by.



There is a possibility that the vehicle and/or its components may be damaged.



Further information on the operation being performed.

Tips

To avoid problems and obtain the best possible results, CAGIVA recommends observing the following general rules:

- Before carrying out any repairs, evaluate the customer's report of the vehicle's malfunction and ask any questions that may help clarify the nature of the problem.
- Clearly identify the causes of the malfunction. This manual provides the fundamentals of troubleshooting, which the operator will complete with his personal experience and the participation in the periodic training courses organized by CAGIVA.
- Make a rational plan of the repair so as to avoid wasting time in collecting spares, preparing tools, etc.
- Only perform the operations that are required to reach the part to be repaired. Helpful guidelines are provided in the disassembling and removing procedures described in this manual.

General repairing rules

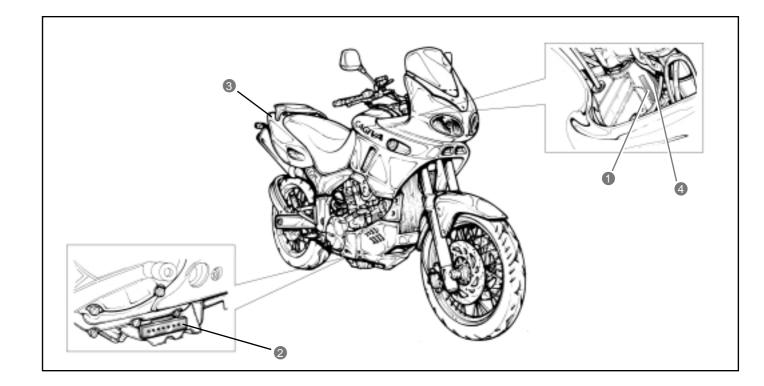
- 1 Always replace gaskets, sealing rings and cotter pins with new ones.
- 2 When loosening or tightening nuts or screws, always begin with the largest, or with the one at the centre. Tighten with the prescribed torques using a crosswise pattern.
- 3 Always mark the parts and positions that might be exchanged when reassembling.
- 4 Use genuine CAGIVA spares, and lubricants of the recommended brands.
- 5 Use special tools as specified.
- 6 Consult the Technical Circulars, as they may contain updated information on adjusting and service procedures.

IDENTIFICATION DATA

The vehicle is identified by the following:

- Motorcycle serial number (1) on the right side of the head tube.
- Engine serial number (2) on the lower part of the right-hand crankcase half.
- Colour code on plate (3) inside the glove compartment under the saddle.
- Homologation data on the plate applied to the frame lower tube, next to the steering head tube.

When ordering spares, always mention the motorcycle and engine serial numbers and the colour code.



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Section



Α.1

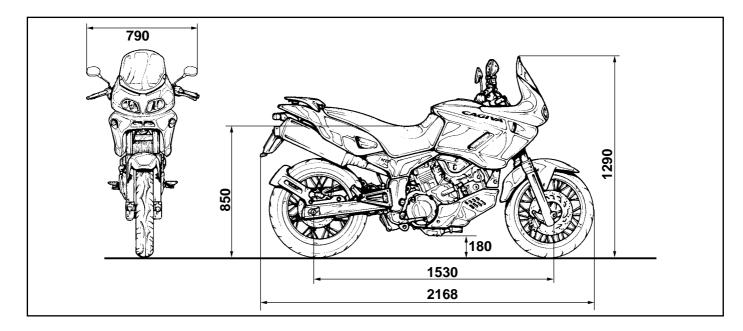


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DIMENSIONS AND WEIGHTS	NAVIGATOR
Overall length	2168 mm
Overall width	
Overall height	1290 mm
Wheelbase	
Ground clearance	180 mm
Seat height	850 mm
Dry weight	222 kg



ENGINE UNIT

Type	Liquid cooled, DOHC, TSCC four stroke
Number of cylinders	2
Bore	
Stroke	66 mm
Displacement	996 cm ³
Compression ratio	11.3:1
Fuel feed system	Injection
Air filter	Non woven synthetic material
Starter system	
Lubrication system	
•	ı

TRANSMISSION UNIT

	1	
Gear ratios, 1a		
	2a	1.933 (29/15)
	3a	1.500 (27/18)
	4a	1.227 (27/22)
	5a	. 1.086 (25/23)
	6a	1.000 (24/24)
Transmission cha	iin	5/8" x 5.16"



FRAME

in highly resistant steel with box-type strengthening

supports at the fork fulcrum attachment.

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FRONT SUSPENSION

with 45 mm diameter tubes. Telescopic movement 150 mm.

REAR SUSPENSION

TypeSingle hydraulic shock absorber progressively damped

with external pre-load adjustment of the spring and

extension of the hydraulic braking effect. Wheel travel 160 mm.

WHEELS AND BRAKES

Front brake Twin disc

Rear brake Single disc

Front tyre Metzeler ME Z4 C – 110/80 – 18"

Rear tyre Metzeler ME Z4 – 150/70 – 17"

ELECTRICAL SYSTEM

Transistorised electronic ignition

Spark plugs NGK CR8EK or DENSO U24ETR

Battery 12v 10Ah

Generator Three phase AC generator

Dipped beam: polyellipsoidal bulb H3 12v-55w

Sidelight 12v 5w

Number plate light 12v 5w

Brake/tail light...... 12v 21/5w

INSTRUMENT PANEL

Warning lights 12V 2W

FUEL/OIL/COOLANT/FORK OIL CAPACITY

oil change with filter 3300 ml

overhaul 3600 ml

Fork oil (each tube) 680 ml



MAINTENANCE



Section





MAINTENANCE

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