



Workshop Manual

NAVIGATOR

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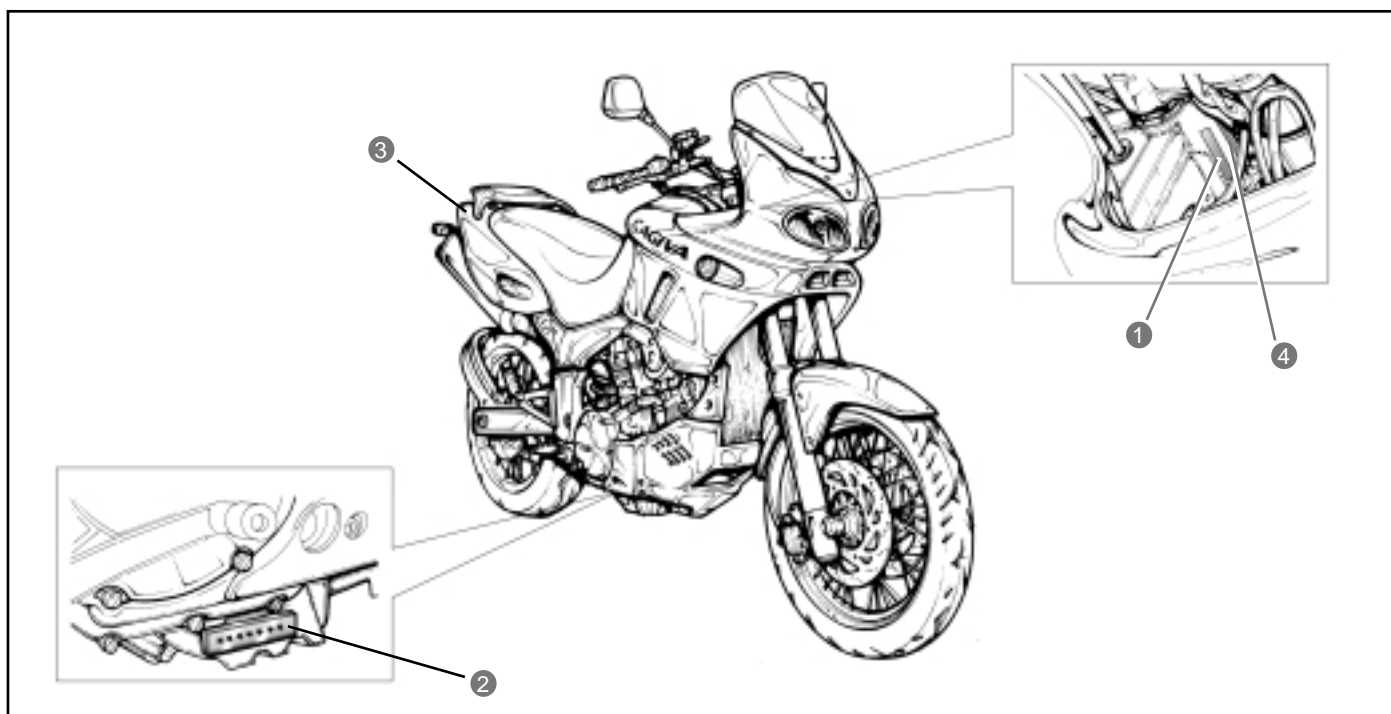
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IDENTIFICATION DATA

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.

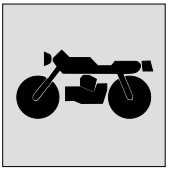
When ordering spares, always mention the motorcycle and engine serial numbers and the colour code.





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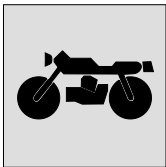
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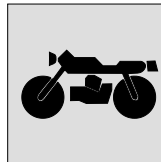




GENERAL INFORMATION

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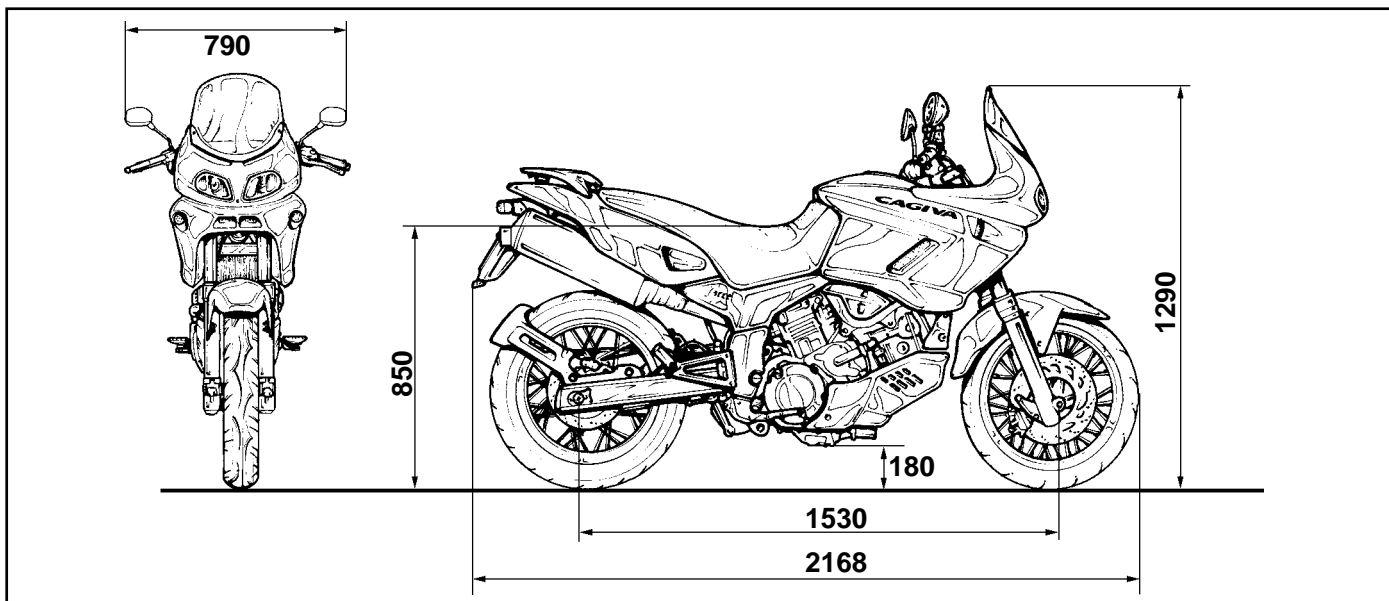




DIMENSIONS AND WEIGHTS

NAVIGATOR

Overall length	2168 mm
Overall width	790 mm
Overall height	1290 mm
Wheelbase	1530 mm
Ground clearance	180 mm
Seat height	850 mm
Dry weight	222 kg

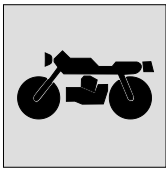


ENGINE UNIT

Type	Liquid cooled, DOHC, TSCC four stroke
Number of cylinders	2
Bore	98,0 mm
Stroke	66 mm
Displacement	996 cm ³
Compression ratio	11.3 : 1
Fuel feed system	Injection
Air filter	Non woven synthetic material
Starter system	Electric
Lubrication system	Wet sump

TRANSMISSION UNIT

Clutch	Wet multi-plate type
Gearbox	6 speed constant mesh
Gear change	1 down, 5 up
Primary reduction	1.838 (57/31)
Final reduction	2.562 (41/16)
Gear ratios, 1a	2.666 (32/12)
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 chain	5/8" x 5.16"



GENERAL INFORMATION

FRAME

Type Rectangular and square box section tubular framework in highly resistant steel with box-type strengthening supports at the fork fulcrum attachment.

FRONT SUSPENSION

Type Conventional advanced pivot hydraulic telescopic fork with 45 mm diameter tubes. Telescopic movement 150 mm.
Steering angle 32° (left and right)
Steering head angle 25°
Trail 110 mm

REAR SUSPENSION

Type Single 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
Ignition phase 3° before T.D.C. at 1300 rpm
Spark plugs NGK CR8EK or DENSO U24ETR
Battery 12v 10Ah
Generator Three phase AC generator
Fuses 30/30/15/15/15/10/10A
Headlight unit Main beam: condenser halogen bulb H1 12v-55w
Dipped beam: polyellipsoidal bulb H3 12v-55w
Sidelight 12v 5w
Direction indicators 12v 10w
Number plate light 12v 5w
Brake/tail light 12v 21/5w

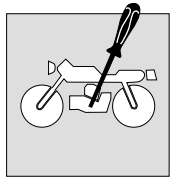
INSTRUMENT PANEL

Instrument bulb 12V 1.2W
Warning lights 12V 2W

FUEL/OIL/COOLANT/FORK OIL CAPACITY

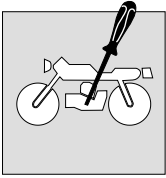
Fuel tank 20 L
Engine oil: oil change 3100 ml
oil change with filter 3300 ml
overhaul 3600 ml
Engine coolant 2000 ml
Fork oil (each tube) 680 ml

MAINTENANCE



Section

B



MAINTENANCE

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