



**Crosswagon  
Sportwagon**



This supplement describes all the main characteristics of **Alfa Crosswagon Q4** version.

For any topic not specifically dealt with in this supplement, refer to the main Owner's Manual.

## CONTENTS

INSTRUMENT CLUSTER .....	3
REARVIEW MIRRORS .....	4
QUICK TYRE REPAIR KIT - FIX&GO .....	6
— Compact spare wheel .....	6
IF A FUSE BLOWS .....	10
IF THE CAR IS TO BE TOWED .....	11
INTERIOR FITTINGS.....	11
CHECKING LEVELS .....	12
ENGINE CODE - BODY VERSION .....	13
ENGINE .....	13
TRANSMISSION .....	14
SUSPENSIONS .....	15
WHEELS AND TYRES .....	16
SNOW CHAINS .....	18
PERFORMANCE .....	18
DIMENSIONS .....	19
WEIGHTS .....	20
REFILLING .....	21
FUEL CONSUMPTION .....	22
CO <sub>2</sub> EMISSIONS .....	22



# INSTRUMENT CLUSTER

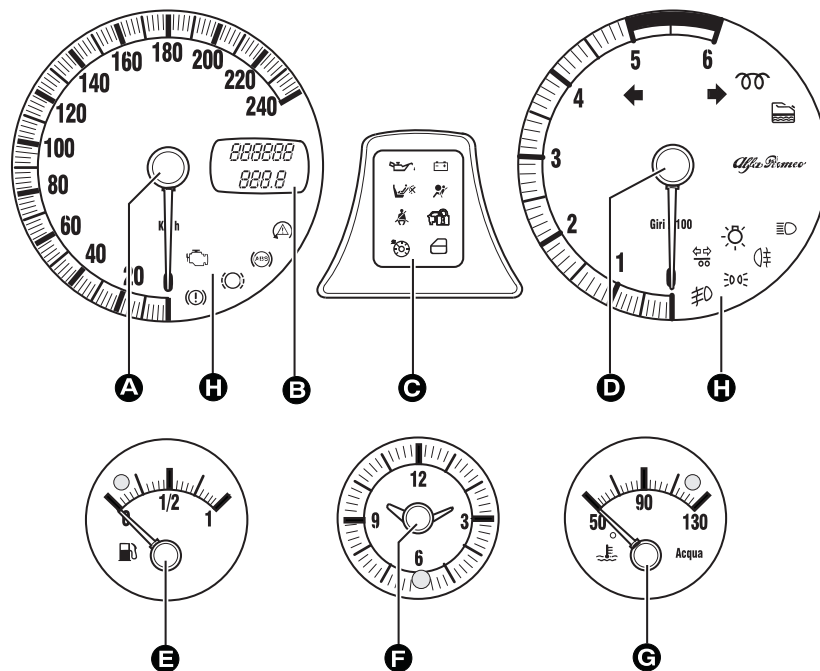


fig. 1

**A.** Speedometer - **B.** Odometer with double counter (total and partial) display - **C.** Check panel - **D.** Rev counter - **E.** Fuel level gauge with reserve warning light - **F.** Clock - **G.** Engine coolant fluid temperature gauge with maximum temperature warning light - **H.** Warning lights.

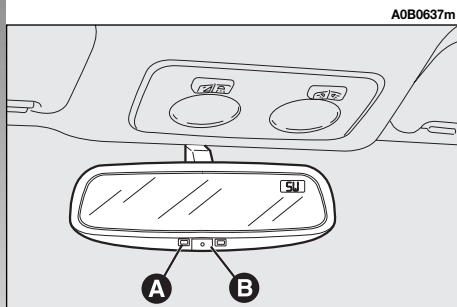
A0B0634m

## REARVIEW MIRRORS

### DRIVING MIRROR WITH COMPASS (for versions/markets where applicable) (fig. 2)

The car features a special driving mirror that, at starting, sets automatically to day or night use position.

At night, the mirror detects the main beam lights of the cars behind and will dim automatically to eliminate light that could bother driving.



The mirror has a built-in compass that shows the broad driving direction on the display provided for the purpose.

Direction shown can be one of the following:

N: North

S: South

E: East

W: West

NE: North-East

SE: South-East

SW: South-West

NW: North-West

Compass turns on when turning the ignition key to **MAR**.

To turn the compass off, press switch **(B-fig. 2)**. To turn it on again press switch **(B)** again.

### Turning the automatic antiglare function on

The green led **(A-fig. 2)** when on indicates that the automatic antiglare function is on.

To turn the antiglare function on, keep switch **(B-fig. 2)** pressed for 3 seconds until the led comes on. After releasing the switch the automatic antiglare function is active.

## Letter "C" shown on the display

If letter "C" is displayed the compass shall be reset. Make the car turn by  $360^\circ$  at a speed equal to or lower than 8 km/h, until the display (fig. 3) shows car running direction (North, South, East, West).

In the event of significant moving away from common driving zones (see map fig. 4), it could be required to reset the compass to compensate terrestrial magnetic field variations.

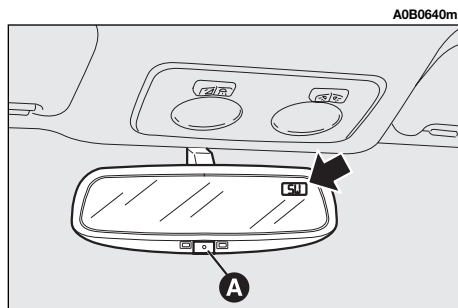


fig. 3

Proceed as follows:

- with display on, keep switch (A-fig. 3) pressed for 6 seconds until displaying the number corresponding to the zone for which the zone was initialised last time;

- set the involved zone by pressing repeatedly switch (A-fig. 3) until displaying the number corresponding to the required zone;

- release the switch: after a few seconds the system will store automatically the set zone and the display will show letter "C".

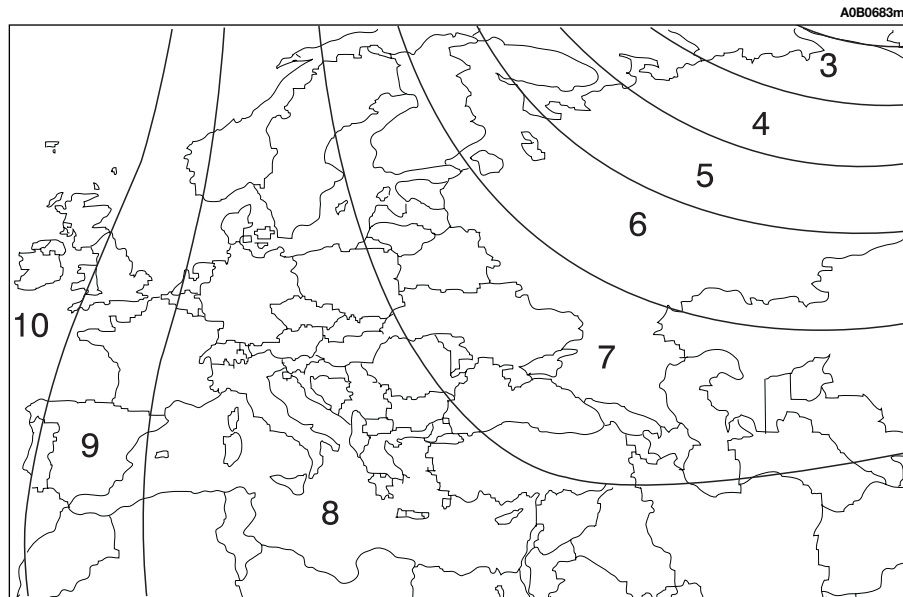
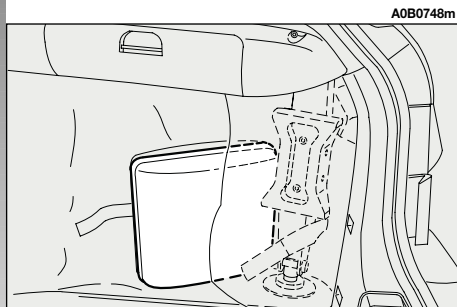


fig. 4

## QUICK TYRE REPAIR KIT - FIX&GO

The car is provided, as standard, with quick tyre repair kit called Fix&Go: if the car is fitted with compact spare wheel (for versions/markets where applicable), the kit is placed on the right side of the boot (fig. 5).



6 fig. 5

The quick repair kit includes (fig. 6):

- tool **A** to remove the valve body;
- compressor **B** with pressure gauge and fittings;
- small cylinder **C** containing sealer and fitted with a filling pipe and a sticker bearing the notice “MAX 80 km/h”, to be placed in a position visible to the driver (on the dashboard) after fixing the tyre;
- “spout” **D** to be connected to the filling pipe.

To use the kit, see section “In an emergency” in the Owner’s Manual.

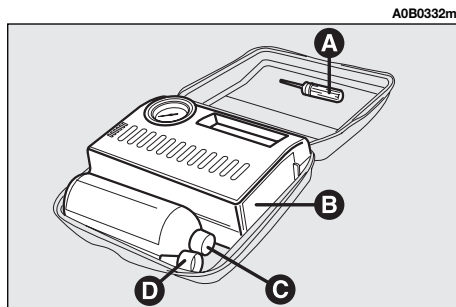


fig. 6

## COMPACT SPARE WHEEL (for versions/markets where applicable)

The car can be fitted (for versions/markets where applicable) with compact spare wheel, jack and tools for changing tyres.

The compact spare wheel provided is of special type and it is located in the boot. It is provided flat, to save space inside the boot, with an electric compressor set (to be found in the Fix&Go kit) to inflate it.

In the event of a puncture, proceed as follows:

- stop the car in such a position that it is not dangerous for the traffic, where it is possible to change the wheel safely. Where possible, park on a level, compact surface;
- stop the engine and engage the hand-brake;
- engage first gear or reverse;

– raise the boot mat and secure it as shown in **(fig. 7)**;

– loosen the clamping device **(A-fig. 8)**.

– take the tool container **(B-fig. 8)** out of the boot and take it near the wheel to be changed;

– take the spare wheel **(C-fig. 8)**;

– take the compressor set **(B-fig. 6)** out of the Fix&Go kit (it is not necessary to use the small cylinder **(C)** containing the sealing fluid);

– fit and then lock the compressor hose **(F)** to the tyre inflation valve using the lever **(E-fig. 9)** provided for the purpose;

– press the brake pedal, disengage the gear, start the engine plug in the cigar lighter **(G-fig. 10)** (or 12V outlet). Inflate the tyre to the proper pressure value (2.5 bar): for accurate reading use gauge **(H)** to check for correct tyre inflation pressure with compressor off. After inflating the tyre, turn the engine off and engage first gear or reverse;

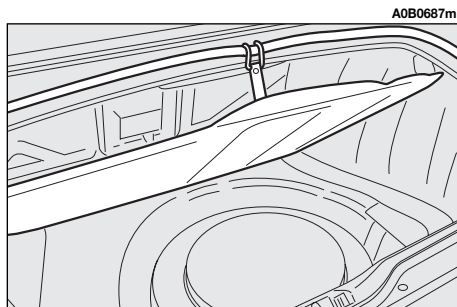


fig. 7

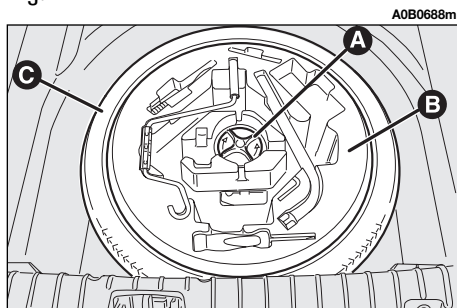


fig. 8

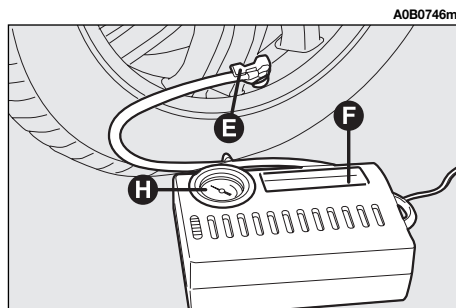


fig. 9

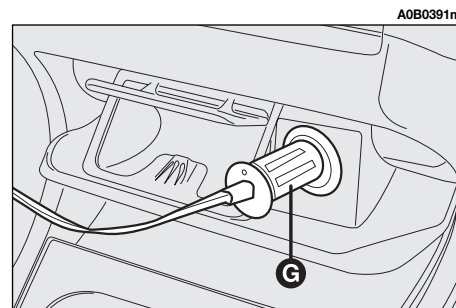
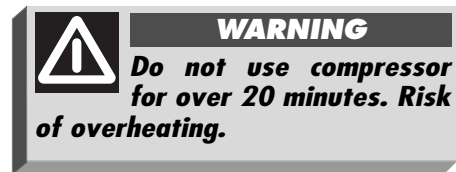


fig. 10



– loosen the fastening bolts by about one turn (**B-fig. 11**);

– take the jack out of the relevant container set on the right side of the boot (**fig. 12**);

– place the jack under the car near the wheel to be changed (**fig. 13**);

– work the jack crank (**A-fig. 13**), to extend it until the groove (**B-fig. 14**) on the upper part of jack is correctly inserted on the lower profile of the body (**C-fig. 14**) approx. 40 cm from the profile of the wheelhouse;

– work the jack and raise the car until the wheel is a few centimetres from the ground;

– completely unscrew the fastening bolts (**B-fig. 11**), and remove the wheel;

– make sure that the contact surfaces of the compact spare wheel with the hub are clean and free of impurities which may later cause the fastening bolts to slacken;

– fit the compact spare wheel by matching the one of holes (**A-fig. 15**) with the corresponding pin (**B**);

A0B0747m

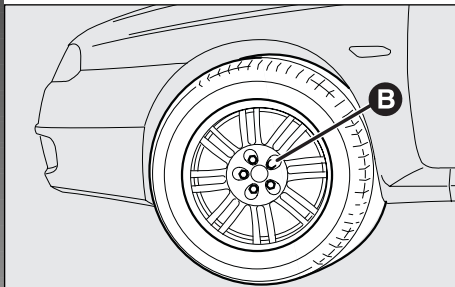


fig. 11

A0B0691m

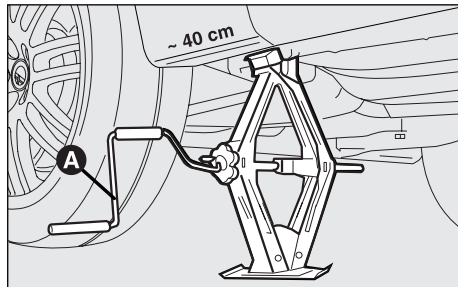


fig. 13

A0B0693m

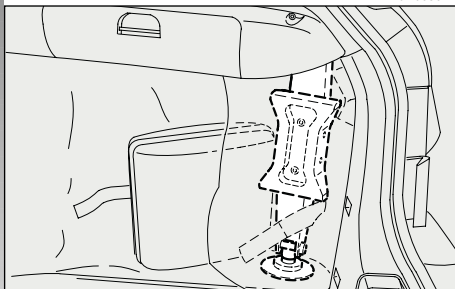


fig. 12

A0B0232m

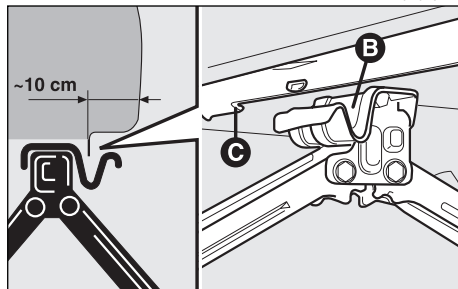


fig. 14

A0B0745m

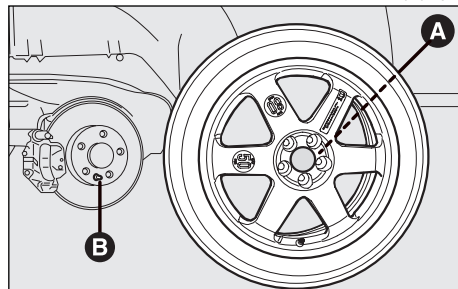


fig. 15

- fasten the five bolts;
- lower the car and remove the jack;
- fit the jack back into its container, stove it on the right side of the boot and secure it with the safety belts provided for the purpose
- tighten down the bolts in the sequence shown in **fig. 16**.

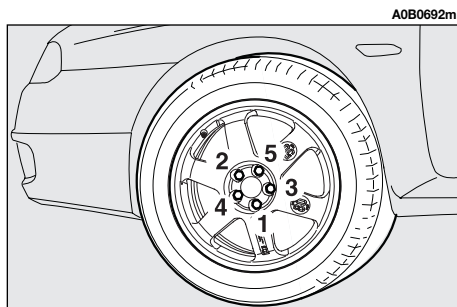


fig. 16

## Refitting a standard wheel

Following the procedure described previously, raise the car and remove the compact spare wheel.

Proceed as follows:

- tighten the pin (**A-fig. 17**) in one of the fastening bolt holes;
- fit the wheel to the pin and tighten the four bolts available;
- remove the pin (**A-fig. 17**) and tighten the last fastening bolt;
- lower the car and remove the jack; then, tighten the bolts in the sequence shown previously for the compact spare wheel (**fig. 15**).

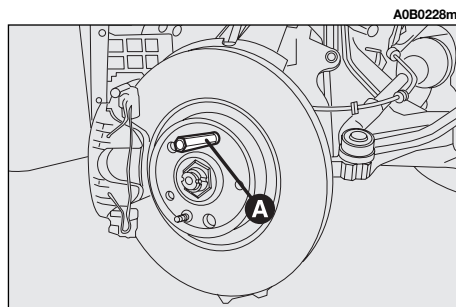


fig. 17

After refitting:

- deflate the compact spare wheel fully and then arrange it in the proper space provided inside the boot. Take into account that due to its technical features, the compact spare wheel after being used and deflated will not regain exactly its original size. This is not a defect and does not alter its operating properties;
- put the jack back into its container forcing it lightly to prevent it from vibrating when travelling;
- put the tools used back into the relevant housings inside the container;
- stow the container complete with tools on the compact spare wheel and secure everything with the clamping device (**A-fig. 8**).



### WARNING

*If the compact spare wheel is damaged, replace the whole compact spare wheel kit.*

## IF A FUSE BLOWS

### FUSE AND RELAY IN THE ENGINE COMPARTMENT

The engine compartment houses some fuses and relays on a proper bracket set in front of the battery and protected by a suitable cover.

Crosswagon version is fitted with 20 A fuse (**B-fig. 19**) for MAIN RELAY protection.

To gain access to the fuse, remove cover (**A-fig. 18**).

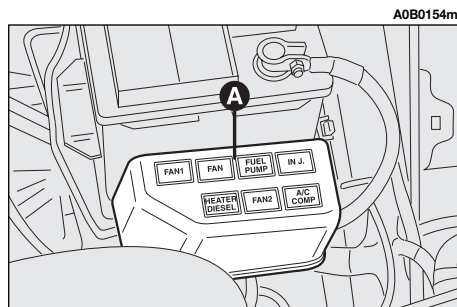


fig. 18

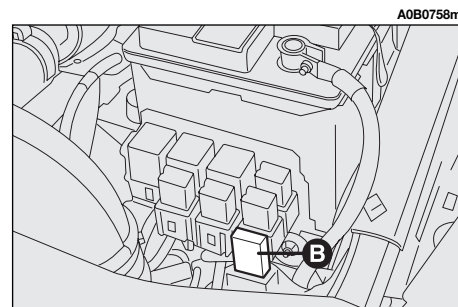


fig. 19

## IF THE CAR IS TO BE TOWED

### PRECAUTIONS FOR TOWING THE CAR



To prevent damages to transmission components, the car shall only be towed in one of the following methods:

- with front wheels raised and rear wheels resting on proper truck;
- with rear wheels raised and front wheels resting on proper truck;
- with car loaded on rescue vehicle with all wheels standing on the rescue vehicle floor.

## INTERIOR FITTINGS

### CLEANING LEATHER SEATS

– Remove dried on dirt with a lightly moistened chamois leather or cloth without pressing too hard.

– Remove liquid or grease stains with a dry absorbent cloth without rubbing. Then wipe with a soft cloth or chamois leather with water and neutral soap. If the stain persists, use specific products, carefully following the instructions for use.

**WARNING** Never use alcohol. Make sure that cleaning products do not contain alcohol and alcohol derivatives even at low strength.

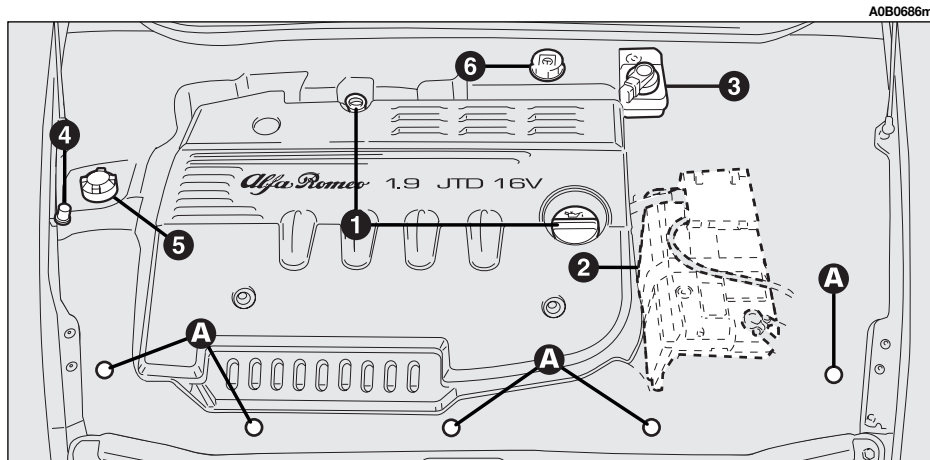


Upholstery of your car has been designed to withstand wear deriving from common use of the car. You are however recommended to avoid strong and/or continuous scratching with clothing accessories such as metallic buckles, studs, Velcro fastenings and the like, since these items cause circumscribed stress of the cover fabric that could lead to yarn breaking, and damage the cover as a consequence.

## CHECKING LEVELS

**1** Engine oil - **2** Battery - **3** Brake fluid -  
**4** Windscreen washer fluid - **5** Engine  
 coolant fluid - **6** Power steering fluid

**WARNING** To access the battery or to  
 check engine coolant level (**5**), slacken  
 fastenings (**A**-fig. 20) set respectively  
 on the right front side, central side and left  
 front side of the stiff cover.



A0B0686m

fig. 20

## ENGINE CODE - BODY VERSION

Version	Engine code	Body version
Alfa Crosswagon Q4	937A5000	932BXN20 70D

## ENGINE

Alfa Crosswagon Q4		
Code type		937A5000
Cycle		Diesel
Injection		Common Rail multipoint injection system
Number and position of cylinders		4 in line
Piston bore and stroke	mm	82 x 90.4
Total displacement	cm <sup>3</sup>	1910
Maximum horsepower (EEC):	KW	110
	HP	150
at	rpm	4000
Maximum torque (EEC):	Nm	305
	kgm	31
at	rpm	2000
Fuel		Diesel for motor vehicles (Specification EN590)

## TRANSMISSION

### GENERAL INSTRUCTIONS AND WARNINGS



#### WARNING

*Only drive the car on grounds suitable for its characteristics and for your driving skill. Adapt speed to ground characteristics.*



#### WARNING

*When you are not up to pass a steep slope avoid U-turns, but go back in reverse.*



#### WARNING

*Do not drive uphill cater-corner, but follow the max. gradient line.*



#### WARNING

*After driving on grounds covered with water, mud or dirty roads, brake slowly in order to dry brake discs completely.*



**Altitude reduces car performance since air is thin.**

## BAND BELOW DOORWAY



The band below the doorway of your car is fitted with a protection, as shown in the figure 21, to improve protection against damages when driving on bad roadbeds or in bad servicing conditions. Removal of this protection reduces component protection and will result in component damaging as a consequence.

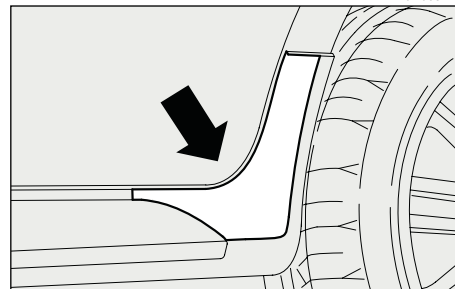


fig. 21

## GEARBOX

Six forward gears plus reverse all synchronised.

To engage reverse gear (**R**) raise the ring under the grip (with the fingers of the same hand holding the lever).

After engaging reverse gear, release the ring. It is not necessary to raise the ring on the lever when shifting from reverse to another gear.

**WARNING** Reverse gear can only be engaged with the car completely stopped. With the engine running, before engaging reverse gear it is necessary to wait for at least 3 seconds with the clutch pedal fully pressed, to avoid grating and the possibility of damaging the gears.

## CLUTCH

Dry single disk with hydraulic control.

## FOUR-WHEEL DRIVE

**Alfa Crosswagon Q4** is a car capable of coping well with snowy, icy, muddy and dirt roads.

Drive is of the permanent 4-wheel type with three differentials and differentiated torque distribution between the two axles. Torque distribution between front and rear axle is continuously modulated according to grip by central TORSEN C differential. Mechanical modulation is continuous and gradual to optimise drive under all driving conditions and to preserve best driving comfort.

Four-wheel drive enables to exploit engine power at best even in poor grip conditions: the driver shall however observe common road rules since road safety is always the driver's responsibility.

**WARNING** Take into account that it is not an off-road vehicle.



**In the event of significant grip difference between front and rear axle, do not accelerate sharply: in this case it is best to run the engine at medium or low rpm and to wait for a few seconds if more attempts are required.**

## SUSPENSIONS

### FRONT SUSPENSION

“High” links.

### REAR SUSPENSION

Mc Pherson type by transverse links of unequal length.



## WHEELS AND TYRES

	Type	Rim
<b>Tyre</b> (alloy rim)	225/55 R17 97H Pirelli 225 (*) (▼)	7Jx17"
<b>Compact spare wheel with alloy rim</b> (optional for versions/markets where applicable)	185/60 R17 93P	6Bx17"

(\*) These tyres cannot be fitted with traditional snow chains. Only spider type snow chains can be used. Keep your speed down when this type of chains is fitted. Do not exceed 50 km/h, avoid abrupt acceleration and turn the ASR system off (button led shall be on). Remember that snow chains make braking distance longer. See page 18 for further details.

(▼) Size certified and admitted only for Pirelli tyres

The car is provided as standard with All Seasons type tyres, designed for poor grip conditions. If the car is mainly used on road, you are recommended to fit summer type tyres to prevent wear.

WINTER type tyres (225/55 R17 97H Goodyear) are also available if the car is mainly used on snowy roads.

To prevent damages to 4-wheel drive system, tyres shall be of the same type, tread and make. Flat tyre shall be replaced with a spare wheel of the same type. Tyres with different wear conditions do not impair 4-wheel drive system efficiency.

**COLD TYRE INFLATION PRESSURES**

		Tyre <b>225/55 R17 97H Pirelli 225</b>		Compact spare wheel (optional for versions/markets where applicable)
		Front	Rear	<b>185/60 R17 93P</b>
Reduced load (2 occupants)	bar	2.3	2.3	2.5
Full load	bar	2.5	2.5	

With the tyre hot the inflating pressure should be +0.3 bar compared with the specified rating. Recheck pressure value with cold tyres.

With winter tyres the inflating pressure should be +0.2 bar compared with the specified rating.

**WHEEL GEOMETRY**

		<b>Alfa Crosswagon Q4</b>
Front wheels toe-in:		- 1 mm ± 1 mm
Rear wheels toe-in:		3.2 mm ± 1 mm

## SNOW CHAINS

**Snow chains shall fitted to REAR wheels.**

Use of snow chains could be compulsory also for 4-wheel drive cars.



**Traditional snow chains may not be used on tyres type 225/55 R 17" 97H Pirelli 225. Only spider type chains can be used. Keep your speed down when this type of chains is fitted. Do not exceed 50 km/h, avoid abrupt acceleration and turn the ASR system off (button led shall be on). Remember that snow chains make braking distance longer.**



**Keep your speed down when snow chains are fitted. Do not exceed 50 km/h. Avoid potholes, steps and pavements and avoid also to drive for long distances on roads not covered with snow to prevent damaging the car and the roadbed.**

## PERFORMANCE

### Alfa Crosswagon Q4

Maximum speed	km/h	192
Acceleration from 0-100 km/h	sec.	10.5
Kilometer from standing start	sec.	30.9

# DIMENSIONS

A0B0635m

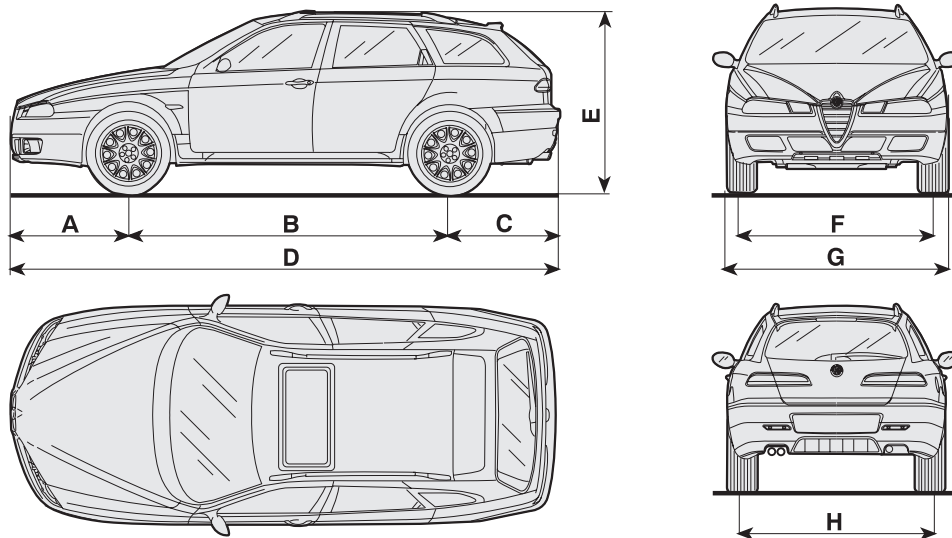


fig. 22

Dimensions are expressed in mm.

Height indicated is for an unladen car

A	B	C	D	E	F	G	H
952	2595	894	4441	1497	1529	1765	1504

## WEIGHTS

### Alfa Crosswagon Q4

Kerb weight	1530 kg
Max. permitted weight (*)	2025 kg
Payload including the driver (**)	495 kg
Towable weight	1450 kg
Max. load on ball	60 kg

- (\*) Weights not to be exceeded. The driver must arrange the goods in the luggage compartment/on load surface/roof (do not exceed 50 kg on roof) so that they comply with these limits.
- (\*\*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen weight increases, thus reducing the payload as specified in the maximum weight allowed.

# REFILLING

		Alfa Crosswagon Q4	Specified fuels and original lubricants
Fuel tank: — including a reserve of	litres litres	50 7	Diesel fuel for motor vehicles (Specification EN590)
Engine cooling system	litres	6.1	Mixture of distilled water and <b>PARAFLU UP</b> at 50%
Oil sump and filter	litres	4.2	<b>SELENIA WR (Δ)</b>
Mechanical transmission/ central and front differential	litres	3.2	<b>TUTELA CAR TECHNYX (□)</b>
Mechanical transmission/ rear differential	litres	1.25	<b>TUTELA W90/M-DA (○)</b>
Windscreen and rearscreen washer reservoir: — with headlamp washer	litres litres	2.5 5.3	Mixture of water and <b>TUTELA PROFESSIONAL SC 35</b>

(Δ) Synthetic-based engine oil, grade SAE 5W-40. FIAT 9.55535-M2 qualification.

(□) Synthetic oil, grade SAE 75W-85. that passes: API GL 4 PLUS, MIL-L-2105 D LEV, FIAT 9.55550 specifications.

(○) Mineral oil for transmission, grade SAE 80W-90. that passes: API GL 5, MIL-L-2105 D LEV specifications.

## FUEL CONSUMPTION

The fuel consumption figures given in the table below are determined on the basis of the homologation tests set down by specific European Directives.

The procedures below are followed for measuring consumption:

– **urban cycle:** cold starting followed by driving that simulates urban use of the car;

– **extraurban cycle:** frequent accelerating in all gears, simulating extraurban use of the car; the speed varies between 0 and 120 km/h;

– **combined consumption:** is calculated weighing about 37% of urban cycle consumption and about 63% of extraurban consumption.

**WARNING** The type of route, traffic situations, weather conditions, driving style, general conditions of the vehicle, setup/equipment/accessories, load, presence of a roof rack, use of the climate control system, other situations that affect air drag may lead to different fuel consumption levels than those measured.

### FUEL CONSUMPTION ACCORDING TO 1999/100/EC DIRECTIVE (litres x 100 km)

Urban	Extraurban	Combined
9.3	5.8	7.1

### CO<sub>2</sub> EMISSIONS (ACCORDING TO 1999/100/EC DIRECTIVE)

CO<sub>2</sub> emission level shown refers to combined consumption: 188 g/km







SERVICE

## QUALITY

ASSISTENZA TECNICA - INGEGNERIA ASSISTENZIALE  
Largo Senatore G. Agnelli, 5 - 10040 Volvera - Torino (Italia)

Fiat Auto S.p.A.

Publication no. 60431505 - 2<sup>nd</sup> Edition - 12/2005

All rights reserved. Reproduction, even in part is prohibited without written permission from Fiat Auto S.p.A.

ENGLISH

*Alfa Romeo*   
**SERVICE**