

fig. 49

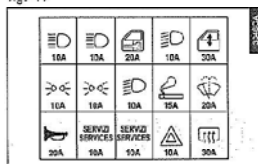


fig. 50

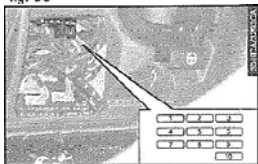


fig. 51

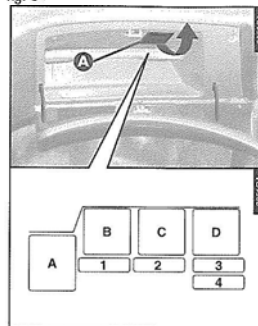


fig. 52

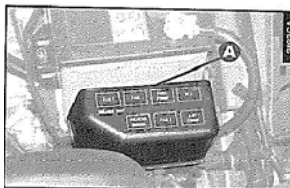


fig. 53

FUSES IN THE CONTROL UNIT

The fuses for the main devices are housed in a control unit under the dashboard, to the left of the steering column. To gain access to them, remove the panel (**A-fig.49**) releasing the tabs (**B-fig.49**) in the direction of the arrow below. The graphic symbols which distinguish the main electric component corresponding to each fuse are given on a label (**fig.50**) on the inner wall of the panel (**A-fig.49**). Some spare fuses (**D-fig.49**) are housed at the right of the control unit; you are advised to replenish the stock of spare fuses when they are used. The devices protected by fuses in the control unit are listed in the table below.

FUSES ON AUXILIARY BRACKET (fig.51)

The protection fuses for some services are located on an auxiliary basket above the main fuse box to which access is gained removing the panel (**A-fig.49**). The devices protected by fuses in the auxiliary basket are listed in the table below.

FUSES AND RELAYS ACCESSIBLE FROM THE GLOVE BOX

Some protection fuses and relays for services are located on a bracket behind the glove box. To gain access to the fuses, remove the lid (**A-fig.52**). The devices protected by the fuses numbered from 1 to 4 are listed in the table. Access to the relays is gained by removing the glove box: **A**. Fog light relay; **B**. Low beam relay; **C**. Headlamp washer timer; **D**. Relay for sunroof, seat warming and rear power windows.

RELAYS IN ENGINE BAY

The relays in the engine bay are housed on brackets at the side of the battery, protected by special covers and their number varies according to the version of the vehicle. Remove the cover (**A-fig.53**) to gain access to the following relays (**fig.54**):

- A.** Engine radiator cooling fan 2nd speed relay (only T.SPARK with climate control)
- B.** Engine radiator cooling fan 1st speed relay.
- C.** Fuel pump relay.
- D.** Electronic injection relay.
- E.** Climate control compressor relay.
- F.** Engine radiator cooling fan 2nd speed relay (only JTD)
- G.** Fuel oil heater relay (only JTD)

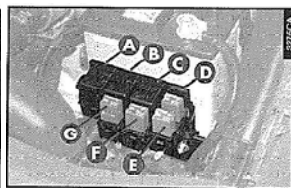


fig. 54

System/Component	Fuse No	Amp erage	Location
Left front side light	7	10	Fig.49
Right front side light	6	10	Fig.49
Left rare side light	6	10	Fig.49
Right rare side light	7	10	Fig.49
Left dipped-beam headlamp	8	10	Fig.49
Right dipped-beam headlamp	4	10	Fig.49
Left main-beam headlight	2	10	Fig.49
Right main-beam headlight	1	10	Fig.49
Left stop light	6	10	Fig.49
Right stop light	7	10	Fig.49
Additional third stop light	13	10	Fig.49
Left number plate light	7	10	Fig.49
Right number plate light	6	10	Fig.49
Reversing lights	13	10	Fig.49
Left rear fog light	7	10	Fig.49
Right rear fog light	6	10	Fig.49
Hazard warning lights	14	10	Fig.49
Direction indicators	9	7,5	Fig.51
Fog lamps	1	15	Fig.52
Car interior, boot and glove box lights	12-13	10A	Fig.49
Windscreen wiper, windscreen washer	10	20	Fig.49
Horns	11	20	Fig.49
Power windows and door locking system	13	10	Fig.49
Front power windows	5	30	Fig.49
Door locking system	3	20	Fig.49
Rear screen heating	15	30	Fig.49
	9	7,5	Fig.51
Wing mirror adjustment	13	10	Fig.49
	9	7,5	Fig.51
Wing mirror defrosting	15	30	Fig.49
Cigar lighter	9	15	Fig.49
Headlamp aiming device	4	10	Fig.49
Instrument cluster	12	10	Fig.49
Main-beam headlamp warning light	2	10	Fig.49
Rear screen heating warning light	15	30	Fig.49
Sound system	12	10	Fig.49
Alarm system	12	10	Fig.49
Remote control	13	10	Fig.49
Control lighting	8	10	Fig.51
Air bag system	1	15	Fig.51
	(10)*	(10)*	Fig.51
ABS system	1	15	Fig.51
	5	60	Fig.48
	(1)*	(10)*	Fig.51
Alfa Romeo CODE system	2-7	7,5	Fig.51
Climate control system	9	15	Fig.49
Engine cooling radiator fan	2	40	Fig.48

Passenger compartment fan	6	40	Fig.48
Injection system	2	7,5	Fig.51
	4	10	Fig.51
	5	15	Fig.51
	7	7,5	Fig.51
Glow plugs and resistances on fuel oil filter	9	70	Fig.47
All devices operating with the key at MAR are not working	3	30	Fig.48
Almost all the electric systems and components are not working	4	80	Fig.48

(*) Specific components and values depending on the version/market.

IN THE EVENT OF A FLAT BATTERY

STARTING WITH AN AUXILIARY BATTERY

If the battery is flat, it is possible to start the engine using an auxiliary battery with the same characteristics as the original battery. Starting with an auxiliary battery does not harm the Alfa Romeo CODE system and must be carried out as described below:

- Deactivate all electrical devices which are not indispensable.
- Connect the positive cables of the two batteries using a jump lead (+ sign near terminal)
- Connect the end of the second jump lead to the negative cable of the two batteries (- sign near terminal)
- Start the engine and when the engine is running remove the cables in reverse order.
- If after a few attempts the engine does not start do not insist but contact ARAS.

WARNING: The jump lead must be of a sufficient cross-section and long enough to ensure that the two vehicles do not touch.

WARNING: Never use a battery charger to start the engine as this could damage the electronic systems, particularly the control units which manage the starting and supply functions.

IF THE VEHICLE IS TO BE TOWED

The tow ring supplied with the vehicle is housed in the tool box under the boot mat. To install the tow ring, proceed as follows:

- Remove the cover snap-fitted on the front or rear bumper.
FRONT CAP: Press with finger on the lower part of the cap until it releases from the catch.
REAR CAP: Use a small flat screwdriver in the tool container under the boot mat, protect the tip with a soft cloth then insert the screwdriver on the upper part of the cap and press gently to prise the catch from its housing
- Firmly screw the ring in its housing. **Make sure the tow ring is firmly tightened (it must be turned about 8 times in its threaded housing); carefully clean the threaded housing before tightening the ring.**

WARNING: Before beginning to tow the car, turn the ignition key to MAR and then to STOP, do not remove it. Removing the key automatically engages the steering lock resulting in the impossibility to steer the wheels. When towing remember that without the help of the servobrake and power steering, it is necessary to exert more effort on the brake pedal and for steering. Do not use flexible cables for towing and avoid jerks. During towing operations make sure that fastening the joint to the car does not damage the components in contact with it.