Giulietta



Quick guide to Repairs





Customer Services Technical Services

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Customer Services Technical Services





- 1. VIN plate;
- 2. Body marking;
- 3. Bodywork paint identification plate;
- 4. Engine marking.

This plate is fitted to the engine compartment front crossmember and contains the following identification data:



- **B** Type-approval number.
- **C** Vehicle type identification code.
- **D** Chassis serial number.
- E Maximum permitted weight of vehicle fully laden.
- **F** Maximum permitted weight of vehicle fully laden plus trailer.
- **G** Maximum permitted weight on first axle (front).
- H Maximum permitted weight on second axle (rear).
- I Engine type.
- L Bodywork version code.
- **M** Spare part number.
- **N** Correct value of smoke coefficient (for diesel engines).

2. Electrical system

2.1 Engine compartment fuse box



User	Fuse	Ampere
NBC (Body Computer)	F01	70 A
Luggage compartment control unit	F02	60 A
Ignition switch	F03	20 A
NFR 1 (pump)	F04	40 A
PTC1 heater	F05	40 A
Engine cooling electric fan low speed	F06	30/40 A
Engine cooling electric fan high speed	F07	50/60 A
Climate control system fan	F08	40 A
Headlight washers	F09	30 A
Horns	F10	10/15 A
NCM (secondary loads)	F11	10 A
LPG valves	F14	7.5 A
TCT control unit	F14	15 A
LPG injectors	F15	15 A
TCT control unit	F15	15 A
+15 NCM and TCT	F16	5 A
NCM	F17	10/15 A
+30 NCM, TCT	F18	5 A
Air conditioning compressor	F19	7.5 A
Heated rear window	F20	30 A
Fuel pump	F21	15/20 A
NCM, main loads	F22	15/20 A
NFR 2 (valves)	F23	20 A
LPG valves	F24	7.5 A

Giulietta Electrical system

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User	Fuse	Ampere
TCT controls	F30	5 A
Glow plug preheating control unit (JTD)	F81	60 A
PTC2 heater	F82	50/70 A
Heated filter (JTD)	F83	30/40 A
TCT pump	F83	40 A
Front power socket	F85	20 A
Rear power socket	F86	20 A
Battery charge status sensor	F87	5 A
Mirror defrosting and heated nozzles	F88	7.5 A
User	Relay switch	Ampere
Headlight washers	T02	20 A
Horns	Т03	20 A
Air conditioning compressor	T05	20 A
Engine cooling electric fan low speed	T06	30 A
Engine cooling electric fan high speed	T07	50 A
Climate control system fan, power sockets	T08	50 A
Engine management system	Т09	30 A
Fuel pump	T10	20 A
Heated blow-by	T14	20 A
LPG valves	T17	20 A
S&S starting inhibitor	T17	30 A
Heated rear window	T19	30 A
LPG injectors	T20	30 A
S&S starting	T20	30 A
Heated filter (JTD)	Т30	50 A
TCT pump	Т30	50 A

2.2 Control unit on battery (only for JTD engines)



User	Fuse	Ampere
Electric STEERING supply	F71	

2.3 Dashboard

Version up to September 2012

Version from October 2012



User	Fuse	Ampere
Right dipped beam headlight	F12	7,5
Right dipped beam headlight (Xenon version)	F12	15
Left dipped beam headlight	F13	7,5
Left dipped beam headlight (Xenon version)	F13	15
INT/A engine compartment junction unit relay switches	F31	5
Front roof lights, luggage compartment light, puddle lights, sun visors and glove compartment light	F32	10
Rear electric window (left side)	F33	20
Rear electric window (right side)	F34	20
+ 30 door controls, radio, Bluetooth, Navigator, climate control system, volumetric sensors, siren, diagnosis	F36	10
INT for headlight control unit, panel, brake switch, seat belt display	F37	7,5
Central locking	F38	20
ABS/VDC, electric steering	F42	5
Two-way windscreen washer pump	F43	20
Front electric window (driver side)	F47	20
Front electric window (passenger side)	F48	20
INT interior mirror, control lighting, sun roof, seat controls, climate control system, volumetric sensors, radio, USB control panel	F49	5
Airbag	F50	7,5
INT for engine compartment junction unit relay switches, headlight control unit, brake switch, clutch, reverse, parking sensors, voltage stabiliser, radio, Bluetooth, navigator display, brake servo sensor, climate control system, AQS sensor	F51	5
+ 30 panel	F53	7,5
Navigator Display	F89	15
Left main beam headlight	F90	7,5
Right main beam headlight	F91	7,5
Left fog light	F92	7,5
Right fog light	F93	7,5



2.4 Luggage compartment control unit

Version from M.Y. 2013



User	Fuses	Ampere
Seat lumbar adjustment	F60	15 A
Heated seats	F61	15 A
HiFi amplifier	F62	20 A
Left seat movement	F63	15 A
Right seat movement	F64	15 A
Sun roof	F65	15 A

User	Relay switches	Ampere
Heated seats	T40	20 A
Seat lumbar adjustment	T42	20 A



2.5 Battery positive terminal wiring

Component code	Name
A001	BATTERY
A020	STARTER
B099	MAXI FUSE BOX ON BATTERY
D007	FRONT/RECHARGING COUPLING

2.6 Battery negative terminal wiring

With Start&Stop



Without Start&Stop



Component code	Name
A001	BATTERY
A005	TERMINAL BOX
C002	BATTERY EARTH ON ENGINE
C003	BATTERY EARTH ON BODY
K059	BATTERY CHARGE STATUS SENSOR

🗩 3. Emergency procedures

3.1 Jump starting

If the battery is flat, it is possible to start the engine using an auxiliary battery with the same capacity or a little higher than the flat one.

IMPORTANT:

Never jump start the engine by pushing, towing or driving downhill.

Proceed as follows to start the vehicle:

- connect the positive terminal (+) of the auxiliary battery to the point "OK" shown in the figure and nowhere else;
- with another lead, connect the negative terminal (–) of the auxiliary battery to an earth point on the engine or the gearbox of the car to be started;

IMPORTANT:

Never connect the negative lead (–) of the auxiliary battery to the negative pole A of the vehicle battery, connect it to an earth point of the engine/gearbox.

- start the engine;
- when the engine has been started, remove the leads reversing the order above.



3.2 Fuel cut-off

Fuel cut-off reactivation

from running down.

Carefully check the car for fuel leaks, for instance in the engine compartment, under the car or near the tank area. After a collision, turn the ignition key to STOP to prevent the battery

The following procedure should be carried out to restore the correct operation of the vehicle:

- turn the ignition key to the **MAR-ON** position;
- activate the right direction indicator;
- deactivate the right direction indicator;
- activate the left direction indicator;
- deactivate the left direction indicator;
- activate the right direction indicator;
- deactivate the right direction indicator;
- activate the left direction indicator;
- deactivate the left direction indicator;
- turn the ignition key to **STOP**.

3.3 Emergency starting with CODE CARD

Procedure not envisaged.



4. Interventions with flat battery

4.1 Sun roof emergency closure

If the switch does not work, the sun roof can be operated manually as follows:



- remove the cap A located on the inner trim, between the two sun blinds;
- take the Allen key B provided from the tool box (in the luggage compartment or in the glove compartment);
- fit the wrench into the seat **C** and turn it:
 - clockwise to open the roof;
 - anticlockwise to close the roof.

4.2 Tailgate emergency opening

To open the tailgate from the inside if the car battery is flat or the electric lock of the tailgate is faulty, proceed as follows:



- remove the rear head restraints and fully fold the seats;
- to unlock the tailgate mechanically, working from inside the luggage compartment, operate lever **A**.

4.3 Robotised gearbox - engagement of Neutral

The procedure for putting the robotised gearbox in neutral in an emergency is listed below.

IMPORTANT:

Check that the parking brake is engaged.

When the ignition key is turned to **MAR-ON** the "robotised gearbox" system automatically shifts the gearbox to neutral and then, with brake pedal pressed, enables engine starting.

A persistent acoustic and visual (display) signal might occur if the command has been sent but the gearbox has not been automatically shifted to neutral, and therefore remains engaged.

In this case do not tow the vehicle for any reason. To move it, lift the front wheels.

With the door open the time for shifting to neutral is delayed with respect to normal operation.

Procedure for jump starting

- supply the vehicle with a charged emergency battery;
- check that the vehicle system is supplied. The panel lights must not be dimmed nor fade further on;
- pressing the brake pedal, turn the key to MAR-ON;
- wait for five seconds and turn the key to STOP;
- check that the vehicle is in neutral by pushing it.

4.4 Robotised gearbox - extracting the ignition key

The ignition key can be removed only if the gear lever is in position P (Park).

If the battery is flat and the ignition key is engaged, the latter is locked in position.

To remove the key manually, proceed as follows:

- engage the handbrake;
- remove the cover from the dashboard fuse box (to remove it, insert a hand in seat A and lower flap B);
- use the Allen key provided and undo the two upper screws C securing the cover D;
 - unlock the steering wheel position adjustment lever E;



- pull the steering wheel towards you until it is in the end of travel position, then lock it operating lever E;
- using the Allen key, undo the two lower screws F securing the cover D;



remove the upper cover trim G;





remove the cover left trim H;



- remove the lower cover I detaching the retaining clips from the upper cover;
- pull the orange tab L downwards using one hand and with the other one remove the key, sliding it outwards;



once the key is removed, refit the steering column covers, the left side trim for the cover and the dashboard fuse box flap, ensuring that they are locked in place.

➡ 5. Vehicle towing/lifting

5.1 Towing attachment points

The tow hook provided with the car is located in the tool box in the luggage compartment.

Fastening the tow hook



- release the cap A of the bumper pressing in the lower area;
- take the tow hook B from its housing in the tool support;
- fully screw the hook onto the threaded front or rear pin.

5.2 General warnings for towing

Before towing, make sure that the tow hook is fully tightened. Clean the threaded seat carefully before tightening the hook. Turn the ignition key to **ON** and then to **OFF** and **DO NOT REMOVE IT**. If the key is removed, the steering lock will come on automatically and it will be impossible to steer the wheels.

Remember that the brake servo and the electric power steering are not available during towing operations. Significantly greater force must be exerted on the brake pedal and on the steering wheel to operate them. Do not use flexible cables when towing and avoid jerky movements.

While towing, make sure that the trailer hitch does not damage any components it is touching.

Do not start the engine while towing the car.

WARNING:

Towing must be made with gearbox in neutral for versions with manual gearbox or at N for versions with robotised gearbox. If the battery is flat or there are problems with the gearbox, follow the procedure shown in paragraph 4.3 "Robotised gearbox - engagement of Neutral". Failure to observe the above instructions could cause severe damage to the gearbox.

5.3 Vehicle lifting points

When lifting the vehicle with a portable jack or a workshop lift, place the mountings only in the areas shown in the figure.



6. Technical specifications

Versions	Size	Tyres provided		Space-saver wheel	
Versions		front	rear	opace-saver wheel	
1.4 Turbo Petrol 1.4 Turbo MultiAir 1.6 JTD _M 2.0 JTD _M	195/55 R16 91V REINFORCED	2.6	2.2		
	205/55 R16 91V	2.3	2.1		
	225/45 R17 91W	2.3	2.1	135/70 R16	
	255/40 R18 92W REINFORCED	2.6/2.5 (*)	2.2/2.3 (*)	125/80 R17 4.2	
1750 Turbo Petrol	225/45 R17 91W	2.3	2.1		
	225/40 R18 92W REINFORCED	2.6	2.2	_	

6.1 Tyre pressure (bar)

(*) 1.4 Turbo Petrol 105 HP MY 2013, for versions/markets where provided

6.2 Fluids

Use	Fluid specifications	Recommended fluids and lubricants
LUBRICANT FOR 1.4 Turbo Petrol ENGINE	SAE 5W-40 ACEA C3	SELENIA K P.E.
LUBRICANT FOR 1.4 Turbo MultiAir ENGINE	SAE 0W-30 ACEA C2	SELENIA DIGITEK P.E.
LUBRICANT FOR 1750 Turbo Petrol ENGINE	SAE 5W-40 ACEA C3	SELENIA SPORT POWER
LUBRICANT FOR Diesel ENGINES	SAE 5W-30	SELENIA WR FORWARD
COOLANT	CUNA NC 956-16, ASTM D 3306	MIXTURE OF PARAFLU UP AND 50% DEMINERALISED WATER
FLUID FOR BRAKE/CLUTCH	FMVSS No. 116 DOT 4, ISO 4925, SAE J 1704	TUTELA TOP 4