FREEMONT

Quick guide to Repairs

Customer Services
Technical Services

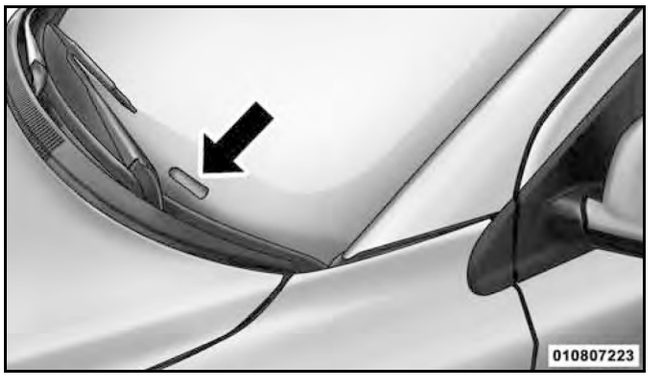
Contents

Customer Services
Technical Services

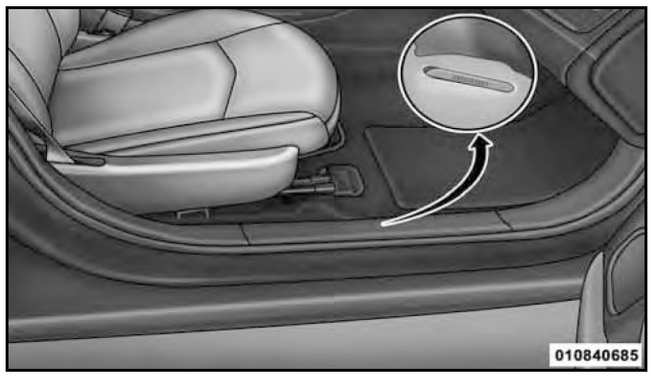
1. Vehicle identification data

Chassis number

The chassis number (VIN) is indicated in the front left corner of the dashboard and can be seen from the outside the vehicle through the windscreen. This number is also printed on the kick plate of the front right door under the moulding and appears on the car information label on one of the car windows, on the registration document and the ownership certificate.



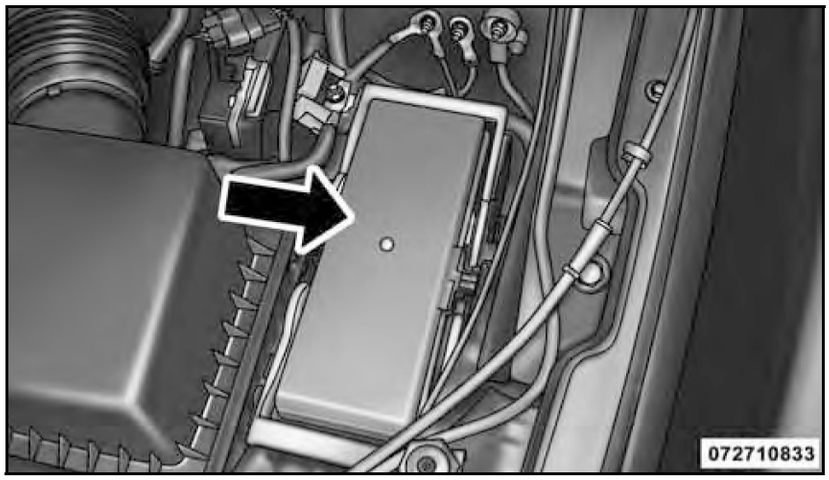
VIN position



Printed VIN position

2. Electrical system

2.1 Engine compartment fuse box



User	Fuse	Ampere
Internal guide of power distribution junction unit	F101	60 A
Internal guide of power distribution junction unit	F102	60 A
Internal guide of power distribution junction unit	F103	60 A
Run/start relay on internal guide of power distribution junction unit	F105	60 A
Accessories/run relay, central guide of power distribution junction unit	F106	60 A
Climate control system fan	F139	40 A
Door central locking	F140	30 A
ABS	F141	40 A
Heater plugs – For versions/markets, where provided	F142	40 A
Exterior lights 1	F143	40 A
Exterior lights 2	F144	40 A
Body computer – Bulb	F145	30 A
Reserve	F146	30 A
Reserve	F147	30 A
Radiator fan motor	F148	40 A
Starter solenoid	F149	30 A
Power unit control modules	F150	25 A (mini)
Headlight washer motor – For versions/markets, where provided	F151	30 A
Diesel heater – For versions/markets where provided	F152	25 A (mini)
Supply pump	F153	20 A (mini)
Braking/stability electronic control module	F156	10 A (mini)
Transfer case module – For versions/markets, where provided	F157	10 A (mini)
Active bonnet module – For versions/markets, where provided	F158	10 A (mini)
Reserve	F159	10 A (mini)
Passenger compartment lights	F160	20 A (mini)
Horn	F161	20 A (mini)
Passenger compartment heater 1/Vacuum pump – For versions/markets where provided	F162	50 A
Passenger compartment heater 2 – For versions/markets where provided	F163	50 A
Power unit automatic switching-off	F164	25 A (mini)

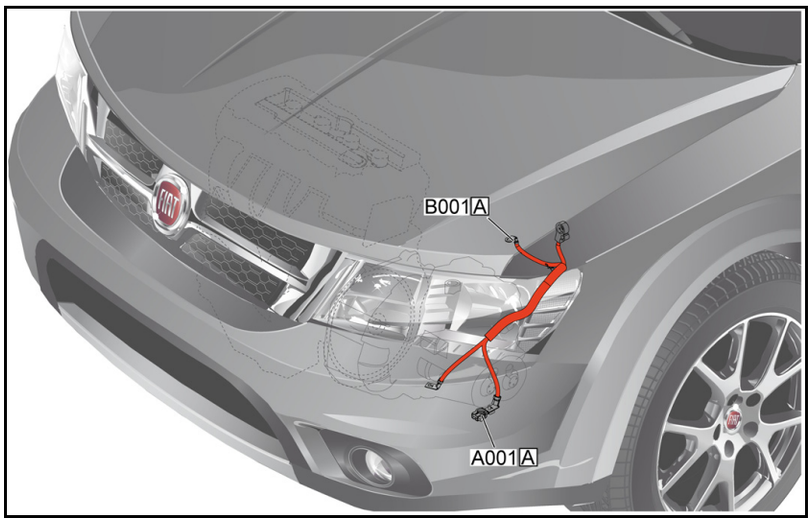
User	Fuse	Ampere
Power unit switching-off	F165	20 A (mini)
Reserve	F166	20 A (mini)
Power unit switching-off	F167	30 A (mini)
Air conditioning clutch	F168	10 A (mini)
Emissions – Partial zero emissions vehicle actuators	F170	15 A (mini)
Reserve	F172	20 A (mini)
Anti-lock braking valves	F173	25 A (mini)
Siren – For versions/markets where provided	F174	20 A (mini)
Reserve	F175	30 A (mini)
Power unit control modules	F176	10 A (mini)
All-wheel-drive module – For versions/markets, where provided	F177	20 A (mini)
Sun roof– for versions/markets, where provided	F178	25 A (mini)
Battery sensor	F179	10 A (mini)
Electro-hydraulic power steering – For versions/markets, where provided	F181	100 A
Passenger compartment heater 3 - For versions/markets where provided	F182	50 A
Front windscreen wiper motor	F184	30 A

2.2 Dashboard

The fuse panel in the passenger compartment is located on the passenger side, under the dashboard.

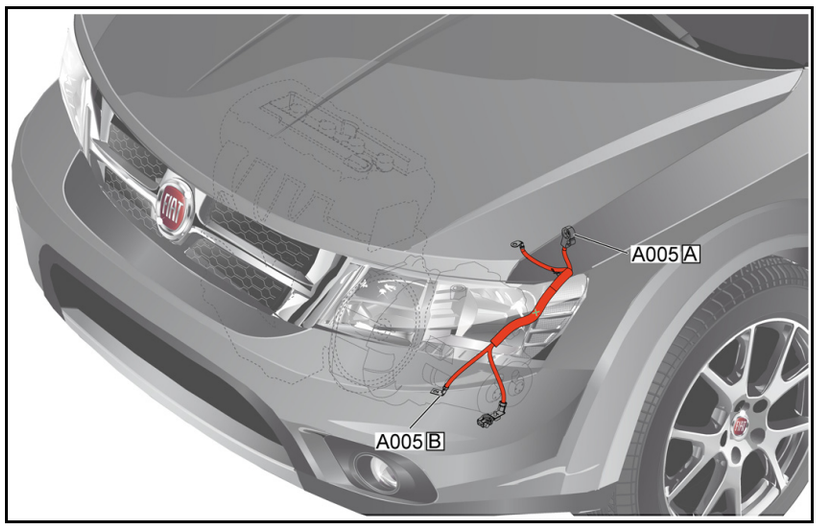
User	Fuse	Ampere
110 V AC inverter – For versions/markets, where provided	F100	30 A
Passenger compartment lights	F101	10 A (mini)
Cigar lighter in the dashboard/rear left supply socket	F102	20 A (mini)
Supply socket in the storage compartment/ supply socket in the rear part of the console	F103	20 A (mini)
Heated seats – For versions/markets, where provided	F105	20 A (mini)
Rear power socket	F106	20 A (mini)
Rear camera – For versions/markets, where provided	F107	10 A (mini)
Dashboard	F108	15 A (mini)
Climate/HVAC control	F109	10 A (mini)
Protection systems control unit	F110	10 A (mini)
Reserve	F112	10 A (mini)
Rear HVAC motor/fan	F114	20 A (mini)
Rear window wiper motor	F115	20 A (mini)
Heated rear window (EBL)	F116	30 A
Heated mirrors	F117	10 A (mini)
Protection systems control unit	F118	10 A (mini)
Steering column control module	F119	10 A (mini)
All-wheel-drive – For versions/markets, where provided	F120	10 A (mini)
Wireless ignition unit	F121	15 A (mini)
Driver side door module	F122	25 A (mini)
Passenger side door module	F123	25 A (mini)
Courtesy and door mirrors	F124	10 A (mini)
Steering column control module	F125	10 A (mini)
Audio amplifier	F126	10 A (mini)
Tow ring – For versions/markets, where provided	F127	20 A (mini)
Radio	F128	15 A (mini)
DVD video – For versions/markets, where provided	F129	15 A (mini)
Climate control/dashboard	F130	15 A (mini)
Parking assistance system/hands-free communication - For versions/markets, where provided	F131	10 A (mini)
Tyre inflation pressure module	F132	10 A (mini)
Reserve	F133	10 A (mini)

2.3 Battery positive terminal wiring



Component code	Name
A001	BATTERY
B001	ENGINE COMPARTMENT JUNCTION UNIT

2.4 Battery negative terminal wiring



Component code	Name
A005	TERMINAL BOX

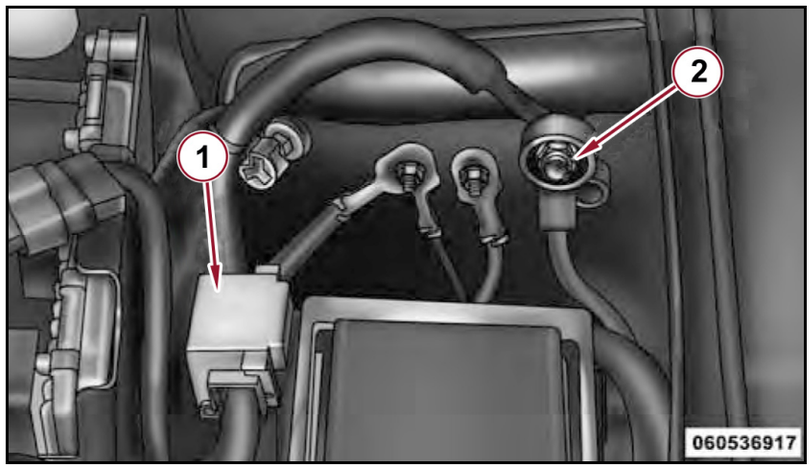
3. Emergency procedures

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.

In the event of emergency starting, the battery dummy poles for remote starting are available on the left side of the engine compartment.



1. Positive dummy pole (+) for remote starting (covered with protective cap)
2. Negative dummy pole (-) for remote starting.

- Apply the parking brake, take the automatic transmission to P (Park), or engage a gear on manual gearbox and ignition switch to OFF.
- Turn off the heater, the radio and all unnecessary electrical devices.
- Remove the protective cover above the positive dummy pole (+) of the remote starting battery.
- To remove the cover, press the tab with the retaining clip and pull the cover upwards.
- Connect one end of the cable used for positive (+) to the positive dummy pole (+) of the car with flat battery.

- Connect the other end of the cable used for positive (+) to the positive terminal (+) of the auxiliary battery.
- Connect one end of the cable used for negative (-) to the negative terminal (-) of the auxiliary battery.
- Connect the other end of the cable used for negative (-) to the negative dummy pole (-) of the car with flat battery.

WARNING
Do not connect the cable to the negative terminal (-) of the flat battery. The following spark could lead to battery explosion and cause serious harm. Only use the specific earth point; do not use any other exposed metallic part.

- Start the engine of the car with an auxiliary battery, let it run for some minutes at idle and then start the engine of the car with flat battery.
  Once the engine is started, remove the cables used as a jumper in the reverse sequence:
- Disconnect the end of the cable used for negative (-) from the negative dummy pole (-) of the car with flat battery.
- Disconnect the other end of the cable used for negative (-) from the negative terminal (-) of the auxiliary battery.
- Disconnect the end of the cable used for positive (+) to the positive terminal (+) of the auxiliary battery.
- Disconnect one end of the cable used for positive (+) from the positive dummy pole (+) of the car with flat battery.
- Refit the protective cover on the positive dummy pole (+) of the battery for remote starting of the car with flat battery.

4. Interventions with flat battery

4.1 Automatic transmission - gear lever unlocking

If, in the event of a failure, the gear lever cannot be moved from position P (Park), the following procedure can be used to temporarily move the gear lever.

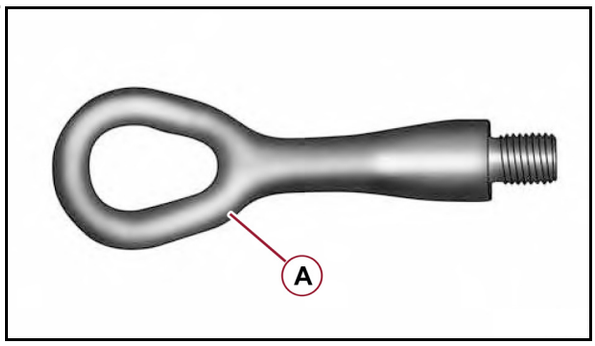
- Switch off the engine.
- Fully engage the parking brake.
- Open the central tunnel and remove the access cover for the gear lever release device located in the front area, in the lower right angle, of the tunnel storage compartment.
- Keep the brake pedal fully depressed.
- Insert a screwdriver or a similar small tool in the access hole, for keeping the release lever pressed forwards.
- Place the gear lever in N (neutral) position.
- At this point, the car can be started in N (neutral).
- Refit the access cover for the gear lever release.

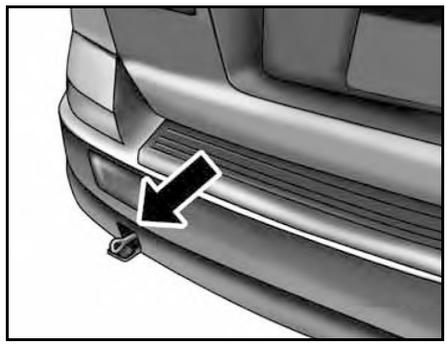
5. Vehicle towing/lifting

5.1 Towing attachment points

The tow ring is provided with the car.

Fastening the tow ring





- Remove the rubber cap from the front bumper or open the flap on the rear bumper;
- take the tow ring **A** 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 ring is fully tightened.
If the car to be towed needs to be steered, the ignition device must be set to RUN or ACC but not to LOCK/OFF.

To define the towing methods, comply with the following table, according to the model to be towed.

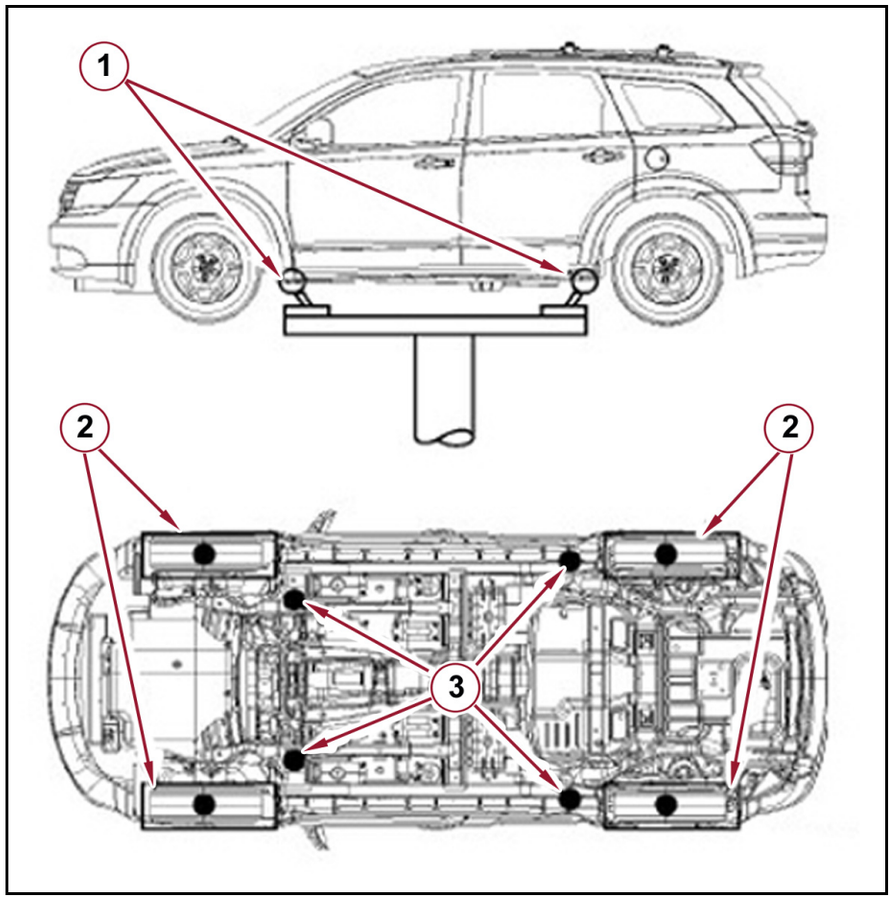
Condition of towing	Wheels lifted from ground da terra	FRONT WHEEL DRIVE (FWD) MODELS - ANTERIORE (FWD) - MANUAL GEARBOX	FRONT WHEEL DRIVE (FWD) MODELS - ANTERIORE (FWD) - AUTOMATIC TRANSMISSION	ALL WHEEL DRIVE (AWD) MODELS TRAZIONE INTEGRALE (AWD)
Towing on level ground	NONE	• Gearbox in N (neutral) • Ignition switch in position ACC or RUN	• If the automatic transmission is operating: • Gearbox in N (neutral) • Ignition switch in position ACC or RUN • Max speed 40 km/h • Maximum distance 24 km	NOT PERMITTED
Wheel lifting or towing on a trailer	Rear	NOT PERMITTED		NOT PERMITTED
	Front	OK	OK	NOT PERMITTED
Car on rescue vehicle platform	ALL	BEST METHOD	BEST METHOD	OK

If the car battery is flat, refer to "Automatic transmission - gear lever unlocking" to obtain the instruction about disengagement of the automatic transmission from position P (Park) for towing.

Appropriate towing or lifting equipment is required to prevent damage to the car. Use only suitable tow bars and other equipment, following the manufacturer’s instructions.
Using safety chains is compulsory. Attach the tow bars or other tow equipment to the main structural components of the car and not to the bumpers or related brackets. Comply with local and national laws related to towing cars.
Should it be necessary to activate devices (e.g. windscreen wiper, defrosters, etc.) when towing, bring the ignition device to RUN and not to ACC.

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.
Do not position the lifting device on any suspension components, including the front suspension crossmember, the rear springs and the rear axle. Do not lift on the front and rear bumper, on the lower tailgate crossmember, on the lower radiator crossmember, on the lower flanges, from beneath the doors or on the front engine mounting.
Only use a floor jack or raising device in the underbody parts indicated.



1 - Floor jack, car jack
2 - Transmission on a lift
3 - Chassis raising (double post)
3 - Outboard raising (double raising)
3 - Floor jack

6. Technical specifications

6.1 Tyre pressure (bar)

The correct tyre cold inflation pressure is indicated in a plate on the driver side door rear pillar or on the rear edge of the driver side door.

6.2 Fluids

Use	Fluid specifications	Recommended fluids and lubricants
LUBRICANTS FOR PETROL ENGINES	SAE 5W-20 API SN, ILSAC GF-5	SELENIA K POWER
LUBRICANTS FOR MultiJet ENGINES	SAE 5W-30 ACEA C2	SELENIA WR P.E.
ENGINE COOLING	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