

FILL&GO



BY DUNLOP TECH

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Simply remain mobile

Operating manual
for the tire mobility kit & electrical air pump

MANUAL SYSTEM

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SCOPE OF DELIVERY

The FILL & GO tire mobility kit contains an electrical air pump with power cable (12 V) and fill hose, a bottle with tire sealant and respective tire fill hose, a valve core tool incl. spare part for the valve core, various adapters and an instruction manual.

TECHNICAL DATA

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Electrical air pump

Input voltage: 12 volts (V)

Current consumption: max. 15 amperes (A)

Power: 180 watts (W)

Working pressure: 2.5 bar (36 psi)

Maximum pressure: 4–6 bar
(58–87 psi; 400–600 kPa)

Sound power level: 94 dB(A)

Protective class: III

Type of protection: IP33

Sealant bottle

Depending on the version of the mobility system, the bottle contains between 200 and 700 ml (0.21 and 0.74 quart) sealant.

The sealant is based on natural latex and consists of 99% renewable resources.



BASIC SAFETY INFORMATION

- ▶ **NOTE:** Read the entire operating manual incl. all safety and warning notes through carefully before use.
- ⚠ **WARNING:** Failure to comply with the following information and instructions may result in property damage, electric shock, fire, serious injury and/or danger to life. This operating manual must also be passed on when the mobility system is handed over to third parties. This system complies with the technical standards and the relevant safety requirements for electrical equipment.

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IMPORTANT TERMS AND SYMBOLS

- ▶ **NOTE:** Safety and warning notes are provided throughout the operating manual and important information is highlighted. This information and these notes are indicated by a preceding symbol in combination with a signal word printed in capital letters. The meaning of the symbols and signal words is as follows:
- ⚠ **DANGER:** indicates an imminent hazardous situation which will lead to death or severe injuries if it is not avoided.

- ⚠ **WARNING:** indicates a possible hazardous situation which could lead to death or severe injuries if it is not avoided.
- ⚠ **CAUTION:** indicates a possible hazardous situation which could lead to minor or moderate injuries if it is not avoided.
- ▶ **NOTE:** indicates information that is important but not connected to potentially dangerous situations.



INTENDED USE

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The FILL & GO tire mobility system has been developed for private use and is not intended for commercial use. It can be used for the provisional temporary repair of damage (punctures in the tread and tire shoulder up to a size of 6 mm) to tubeless passenger car tires and motorbike tires to enable the journey to a repair garage to be continued at a maximum speed of 80 km/h (50 mph).

- ▶ **NOTE:** The amount of sealant contained in the mobility set is sufficient for temporary repairs to one tire.

In addition, the electrical air pump can be used for inflating passenger car tires of all kinds, bicycle and motor bike tires as well as inflatable items such as e.g. lilos and rubber dinghies (instructions see table of contents).



STORAGE AND SHELF LIFE

⚠ CAUTION: The sealant retains its full functional ability within the given shelf life if the bottle is moved. If the bottle is stored in a vehicle that is driven regularly, the movement of the vehicle is sufficient. For this reason, we recommend keeping the tire mobility set in the vehicle. Otherwise it is necessary to shake the bottle vigorously several times approx. every 3 months. After the use-by date has expired, the sealant must be replaced. We recommend the exclusive use of original FILL & GO bottles.

⚠ WARNING: Secure the tire mobility system in the vehicle in such a way that it cannot fall over or be hurled around and thus cause injuries or damage.

⚠ CAUTION: When securing it, make sure that the tire mobility system is not weighed down by heavy weights, thus becoming damaged.

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DISPOSAL OF SEALANT

The sealant consists of 99% renewable resources. It can be disposed of with domestic waste.

DISPOSAL OF ELECTRICAL AIR PUMP

The electrical air pump must be disposed of through the respective municipal collecting points.

REPAIR OF ELECTRICAL AIR PUMP

⚠ WARNING: The electrical air pump and the power cable cannot be repaired. If faulty, the equipment must be disposed of properly.

Do not try to repair the air pump or the power cable yourself.

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GENERAL SAFETY AND WARNING NOTES

- ⚠ WARNING:** > Always keep the FILL & GO mobility system incl. accessories and packaging material away from pets, babies, toddlers and children under 16 years of age.
- > The mobility system can be used by people with limited physical, sensory or mental aptitude or lack of experience and know-how if they are supervised or have been instructed with regard to safe use of the equipment and understand the resulting hazards.
 - > Do not allow people who are not familiar with the mobility system or have not read the instructions to use it.

- > In the work area, the user is responsible to third parties for damage caused by use of the mobility system.
- > Never leave the equipment unattended as long as it is switched on, and heed the filling instructions for vehicle tires as well as for other objects to be filled.
- ⚠ **CAUTION:** > Avoid skin contact with the sealant, since it can cause an allergic reaction in sensitive people.
- > In addition, there is a possibility of severe irritation in the case of contact with eyes, skin or mucous membranes due to the high pH value.
- ⚠ **DANGER:** When used on vehicles with a combustion engine, the electrical air pump may only be used outdoors or in areas which are sufficiently ventilated.
There is a choking hazard due to vehicle exhaust fumes when the engine is running.
- ⚠ **WARNING:** > To avoid injuries, never direct the equipment at yourself or other people during operation, especially not towards eyes, nose, mouth and ears.
- > Never expose the equipment to extreme temperatures, fluctuations in temperature, high air humidity, direct sources of heat, hot surfaces and open sources of fire, heavy mechanical loads, direct sun radiation, excessive dust development and humidity.
- ⚠ **DANGER:** > To avoid electric shocks, never immerse the equipment in water or other liquids. Do not allow liquids to get inside the equipment.
- > Never touch the equipment and the connection plug with wet hands. Make sure that the connection plug never gets wet or damp during operation.
- ⚠ **WARNING:** > Never make any changes to the equipment. Do not open the housing under any circumstances. Do not insert any objects into the housing.
- > Check the equipment regularly for damage and visible signs of use.

- > Do not put the equipment into operation or stop its operation immediately and no longer use it if it is damaged.
- ⚠ **DANGER:** > Pull the connection plug out when not in use, before any cleaning work or in the event of malfunctions, hazardous situations or damage to the power cable from the 12 V socket.
- > To avoid overheating and short-circuits, only connect the equipment to a 12 V socket that has been installed properly. Before connecting to the mains supply, check that the type of current and mains voltage correspond to the specifications on the equipment's type plate.
- > To avoid overheating, keep all the equipment openings clear during operation. Do not seal the openings and do not cover the equipment. Keep the air intakes free of all objects that could be suctioned in.
- ⚠ **CAUTION:** The equipment becomes hot at the fill hose during operation. To avoid burns, do not touch the hot surfaces. There is a risk of burning following contact with hot surfaces.
- ⚠ **WARNING:** Do not use the equipment during driving.
- ⚠ **DANGER:** > Do not work with the equipment in a potentially explosive environment which contains combustible liquids, gases or dusts.
- > Make sure that no sand, dirt or small foreign objects get into the air inlet or air outlet openings.
- > Switch the equipment off and pull the connection plug out of the 12 V socket if: you are not using the equipment, you leave the equipment unattended, you are carrying out cleaning work, the power cable is damaged or following the ingress of foreign objects or the occurrence of abnormal noises.



FIRST-AID MEASURES

If you should suffer any soiling, irritation, accidents or injuries in connection with the tire mobility system, please take the appropriate first-aid measures:

- > **If clothing has become soiled and dampened** with the sealant, take it off immediately. If complaints persist, consult a doctor.
- > **Following skin contact with the sealant:** Wash off using soap and plenty of water. If skin irritation persists, consult a doctor.
- > **Following eye contact with the sealant:** Rinse immediately, including under the eyelid, with plenty of water, for at least 15 minutes. If eye irritation persists, consult a specialist.
- > **After swallowing sealant:** Rinse your mouth out and drink lots of water. Never pour anything into an unconscious person's mouth. Do not induce vomiting. Call a doctor immediately.
- > **After inhaling fire gases or decomposition products following an accident:** Take people affected out into the fresh air. Seek medical advice if you feel unwell.
- > **If hearing damage has occurred** due to the fact that you have used the electrical air pump to inflate unsuitable objects and made these burst – please consult an ear specialist or emergency doctor immediately.

DESCRIPTION

FILL & GO TIRE MOBILITY SYSTEM & ELECTRICAL AIR PUMP

Electrical air pump

- 1 12 V power cable with
- 1a 12 V connection plug (in the stowage compartment on the underside of the equipment)
- 2 On/off switch (ON/OFF)
- 3 Manometer with air pressure indication (in psi and bar)
- 4 Valve button for discharging air
- 5 Plug-in connection for fill hose
- 6 Fill hose (in the stowage compartment on the underside of the unit) with
- 6a threaded connection to the tire valve and
- 6b hose connector for the air pump

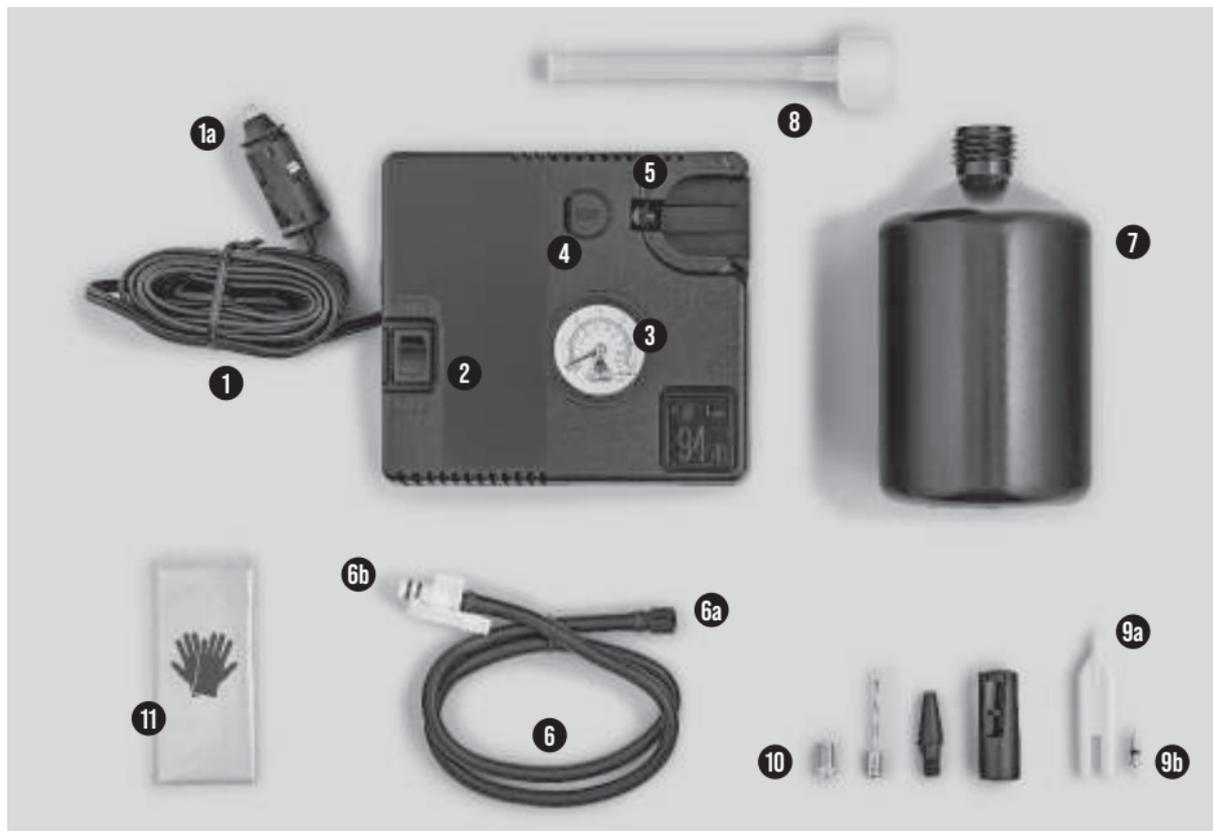
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Sealant bottle

- 7 Tire sealant bottle with bottle thread
- 8 Tire fill hose with cover for screwing onto the bottle
- 9a Valve core tool incl.
- 9b replacement valve core

Accessories

- 10 Various adapters (pictures can deviate from contents)
- 11 Gloves



INSTRUCTIONS FOR THE USE OF FILL & GO IN THE EVENT OF A FLAT TIRE

You will find the respective photo illustration on pages 3–4
(see fold-out page, front).



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- ▶ **NOTE:** Read the entire operating manual incl. all safety and warning notes through carefully before use.

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- ⚠ **WARNING:** Failure to comply with the following information and instructions may result in property damage, electric shock, fire, serious injury and/or danger to life. This operating manual must also be passed on when the mobility system is handed over to third parties.

1

If you discover a flat tire, drive your car out of the danger zone, activate the parking brake and secure your location according to regulations. Localise the damage. If you should see foreign objects, please only remove them if they are protruding a long way out.

- ⚠ **DANGER:** Please note that the electrical air pump may only be used on vehicles with a combustion engine outdoors and in areas with sufficient ventilation (e.g. in garages with the doors open). There is a choking hazard due to vehicle exhaust fumes when the engine is running.

With the FILL & GO mobility set you can carry out temporary repairs to punctures of a size of around 6 mm in the tread and tire shoulder (Fig. 1a).

⚠ **WARNING:** In the event of more major damage to tires and rims (e.g. cracks or bumps) or if you have been driving for a longer period with very low air pressure, you must not use the mobility set (Fig. 1b).

2

Take the sealant bottle incl. fill hose and valve core tool as well as the electrical air pump out of the packaging (Fig. 2).

⚠ **CAUTION:** The sealant is made up of natural latex. Skin contact must be avoided due to possible allergic reaction. Do not drink the sealant. In the event of the contents of the bottle being drunk although this is prohibited, a doctor must be consulted without delay.

3

Remove the speed limit sticker (max. 80 km/h; max. 50 mph) on the base of the bottle (Fig. 3a) and stick it in a clearly visible place on the dashboard (Fig. 3b).

4

Screw the cap off the tire valve and store it safely in order to screw it on again after the tire has been sealed successfully.

5

Take the valve core tool and insert it with the pointed end onto the valve core inside the tire valve. Screw the valve core out anti-clockwise (Fig. 4). The remaining air escapes completely from the tire.

6

Shake the bottle vigorously for approx. 10 seconds. Take the fill hose and screw the cover firmly onto the closed bottle. This automatically opens the bottle seal. Open the fill hose by pulling the upper stopper off (Fig. 5).

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7

Push the fill hose from the bottle onto the tire valve and fill the entire sealant into the tire by pressing the bottle repeatedly (Fig. 6).

8

Then remove the empty bottle carefully from the tire valve and insert the stopper on the fill hose again to prevent any residual sealant dripping out.

9

Insert the valve core tool onto the valve core (Fig. 7a) and screw it clockwise tightly back

into the tire valve (Fig. 7b). If the valve core should be faulty or get lost, the replacement valve core in the rear section of the valve core tool can be used (Fig. 7c).

10

Take the fill hose and the 12 V power cable out of the stowage compartment on the underside of the electrical air pump (Fig. 8).

11

Connect the tire fill hose with the electrical air pump by pushing the plug-in connection of the hose firmly into the plug-in connection of the air pump (Fig. 8a). Then connect the threaded connection of the hose with the valve of the tire to be filled (Fig. 8b).

12

⚠ CAUTION: Make sure that the electrical air pump is switched off, in other words that the on/off switch is set to OFF.

Connect the 12 V power cable of the electrical air pump to the 12 V socket or the cigarette lighter (Fig. 9a) and ensure the power supply, depending on your vehicle (drive) (see vehicle manual if applicable).

To go easy on the vehicle battery, we recommend starting the engine of vehicles with a combustion engine (Fig. 9b) – ensure sufficient ventilation. For vehicles with an electrical motor, we recommend switch other electrical equipment off during operation of the electrical air pump.

⚠ DANGER: The electrical air pump should not be operated unattended. Children under 16 years of age must not use the electrical air pump unattended.

Then start the electrical air pump by setting the on/off switch to ON (Fig. 10a). Within a short time the tire is inflated. How long the process takes depends on the extent of the damage. As soon as the air pressure indicator (manometer) has reached the prescribed air pressure, switch the electrical air pump off (switch to OFF) and read off the air pressure again. If it is still too low, top up a little air. You will find the air pressure prescribed by the manufacturer for your vehicle inside the driver door (B-pillar) or the tank cap.

If the air pressure is too high, you can release it by intermittently pressing the valve button on the electrical air pump (Fig. 10b).

⚠ DANGER: > The pumping process must be terminated at the latest when the maximum pressure according to the vehicle manufacturer has been reached.

- > The electrical air pump should not work for more than 10 minutes in constant operation. We recommend allowing it to cool for approx. 30 minutes before using it again.
- > If the prescribed air pressure is not achieved because the tire is not sealed yet, the minimum air pressure for continuing your journey is 1.6–1.8 bar (23–26 psi; 160–180 kPa).

14

Remove the electrical air pump hose carefully from the tire valve and unplug the 12 V connection plug from the 12 V socket. Stow the FILL & GO mobility set in the vehicle in such a way that it is secured again and you can access it again quickly.



15

Then start your journey immediately.

⚠ WARNING: Note that for safety reasons you may not drive faster than 80 km/h (50 mph) with a tire that has undergone temporary repair.

16

Then drive for approx. 10 minutes with the vehicle to distribute the sealant in the tire and thus seal the tire from the inside. Then check the tire air pressure again by connecting the fill hose of the electrical air pump to the valve. You do not need the 12 V power cable for this, nor does the air pump have to be switched on. The current tire pressure is indicated automatically.

⚠ WARNING: If tire air pressure has dropped again after approx. 10 minutes, you have to inflate the tire again and continue driving for approx. 10 minutes. To do this, connect the 12 V power cable of the air pump to the 12 V socket or the cigarette lighter in your vehicle again and start the engine (as described under section 12 and 13).

⚠ WARNING: If the required tire air pressure is not achieved after the 2nd attempt, the tire may be too badly damaged and provisional temporary repairs impossible. In this case, you should contact a breakdown service or specialist workshop without delay.

If the air pressure remains stable, you can continue driving at a max. speed of 80 km/h (50 mph) to the next workshop. Inform the workshop about the temporary tire repair with the sealant.

⚠ WARNING: Please note that you must not drive more than approx. 300 km (approx. 190 miles) with the provisionally repaired tire.

17

After use, the sealant bottle can be disposed of with domestic waste, it should not remain in the vehicle. The electrical air pump can be used frequently and should be stowed safely in the vehicle again.

► **NOTE:** After you have used the sealant, you should purchase a replacement bottle quickly, so that you can carry out a provisional temporary repair again in the event of tire damage. We recommend the exclusive use of original FILL & GO bottles.

INSTRUCTIONS ON INFLATING A TIRE WITHOUT DAMAGE

You will find the respective photo illustration on pages 285–286 (see fold-out page, back).

You can also use the electrical air pump to increase the air pressure in the tire without this being damaged.



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⚠ **WARNING:** Failure to comply with the following information and instructions may result in property damage, electric shock, fire, serious injury and/or danger to life. This operating manual must also be passed on when the mobility system is handed over to third parties.

1

Drive the vehicle to a location where you can work safely, activate the parking brake and secure your location according to regulations.

⚠ DANGER: Please note that the electrical air pump may only be used on vehicles with a combustion engine outdoors and in areas with sufficient ventilation (e.g. in garages with the doors open). There is a choking hazard due to vehicle exhaust fumes when the engine is running.

2

Take the electrical air pump out of the packaging (Fig. A) and loosen the fill hose and the 12 V power cable from the stowage compartment on the underside of the electrical air pump (Fig. B).

3

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Screw the cap off the tire valve and store it safely in order to screw it on again after the tire has been inflated.

4

Connect the plug of the tire fill hose to the plug-in connection on the electrical air pump and the threaded connection of the hose to the valve of the tire to be filled (Fig. C).

5

⚠ CAUTION: Make sure that the electrical air pump is switched off, in other words that the on/off switch is set to OFF.

Connect the 12 V power cable of the electrical air pump to the 12 V socket or the cigarette lighter (Fig. D) and ensure the power supply, depending on your vehicle (drive) (see vehicle manual if applicable).

To go easy on the vehicle battery, we recommend starting the engine of vehicles with a combustion engine (Fig. E) – ensure sufficient ventilation. For vehicles with an electrical motor, we recommend switch other electrical equipment off during operation of the electrical air pump.

6

⚠ DANGER: The electrical air pump should not be operated unattended. Children under 16 years of age must not use the electrical air pump unattended.

Then start the electrical air pump by setting the on/off switch to ON (Fig. F). The tire is inflated within a short time. As soon as the air pressure indicator (manometer) has reached the prescribed air pressure, switch the electrical air pump off (switch to OFF) and read off the air pressure again (Fig. G). If it is still too low, top up a little air. You will find the air pressure prescribed by the manufacturer for your vehicle inside the driver door (B-pillar) or the tank cap.

You can release air pressure if necessary by intermittently pressing the valve button on the electrical air pump (Fig. H).

⚠ DANGER: > The pumping process must be terminated at the latest when the maximum pressure according to the vehicle manufacturer has been reached.

> The electrical air pump should not work for more than 10 minutes in constant operation. We recommend allowing it to cool for approx. 30 minutes before using it again.

Check the tire pattern for any peculiarities and remove the electrical air pump hose carefully from the tire valve and unplug the 12 V connection plug from the 12 V socket. Stow the electrical air pump in the vehicle again in such a way that it is secured and can be accessed again if necessary.

INSTRUCTIONS ON INFLATING INFLATABLE PRODUCTS

You will find the respective photo illustration on pages 285–286 (see fold-out page, rear).

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You can also use the electrical air pump to inflate inflatable products such as e.g. a rubber dinghy or lilo.



▶ **NOTE:** Read the entire operating manual incl. all safety and warning notes through carefully before use.

⚠ **WARNING:** Failure to comply with the following information and instructions may result in property damage, electric shock, fire, serious injury and/or danger to life. This operating manual must also be passed on when the mobility system is handed over to third parties.

1

Before you start inflating, find out the maximum permissible air pressure of the object to be filled.

⚠ DANGER: Always observe the information provided by the respective manufacturer. Overfilling can lead to the object bursting and the user becoming injured.

2

In order to use the electrical air pump you require a 12 V socket or a 12 V cigarette lighter – both of which you will find inside your vehicle.

Drive the vehicle to a location where you can work safely, activate the parking brake and secure your location according to regulations.

⚠ DANGER: Please note that the electrical air pump may only be used on vehicles with a combustion engine outdoors and in areas with sufficient ventilation (e.g. in garages with the doors open). There is a choking hazard due to vehicle exhaust fumes when the engine is running.

3

Take the electrical air pump and the adapter set out of the packaging (Figs. A and A1) and release the fill hose and the 12 V power cable from the stowage compartment on the underside

of the electrical air pump (Fig. B). Choose the suitable adapter, depending on the object to be filled. The inflation of large-volume inflatable objects can be speeded up by combining two adapters. For this purpose, the pointed adapter is inserted into the tube-like adapter and locked by one eighth of a turn (Fig. B1).

► **NOTE:** The adapters enclosed can deviate from the contents described/illustrated.

4

Connect the plug of the fill hose to the plug-in connection on the electrical air pump and the threaded connection of the hose firmly to the adapter selected (Fig. C1). Then connect the adapter with the valve of the object to be filled.

5

⚠ **CAUTION:** Make sure that the electrical air pump is switched off, in other words that the on/off switch is set to OFF.

Connect the 12 V power cable of the electrical air pump to the 12 V socket or the 12 V cigarette lighter inside the vehicle (Fig. D). Ensure the power supply, depending on your vehicle (drive) (see vehicle manual if applicable).

To go easy on the vehicle battery, we recommend starting the engine of vehicles with a combustion engine (Fig. E) – ensure sufficient ventilation. For vehicles with an electrical motor, we recommend switch other electrical equipment off during operation of the electrical air pump.

- ⚠ DANGER:** The electrical air pump should not be operated unattended.
Children under 16 years of age must not use the electrical air pump unattended.

Start the electrical air pump by setting the on/off switch to ON (Fig. F). Constantly observe the fill pressure and the air volume. As soon as the air pressure indicator (manometer) has reached the desired or maximum permissible air pressure, switch the air pump off (switch to OFF) and read off the air pressure again (Fig. G). If it is too low, carefully top up a little air. You can release air pressure if necessary by intermittently pressing the valve button on the electrical air pump (Fig. H).

- ⚠ DANGER:** > The air pump must be switched off at the latest when the maximum air pressure of the object to be filled has been reached. Overfilling can lead to the object bursting and the user becoming injured.
- > The electrical air pump should not work for more than 10 minutes in constant operation. We recommend allowing it to cool for approx. 30 minutes before using it again.

Remove the electrical air pump hose including the adapter carefully from the valve of the object to be filled and unplug the 12 V connection plug from the 12 V socket. Remember to stow the air pump away again safely for storage in the vehicle.