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## Next Gen/Ultimate Car Shield/Bike Shield



### What's in the Box

#### Big Box: Next Gen /Ultimate Car/Bike Shield and ...

- Fans, Panel, AC Adapter & Plug
- Fan Cover Support (Outdoor version only)
- Air Filters & spare material

#### Small Box: Accessories

- Air Pump and tubes



## WARNINGS



1. Do not overinflate or interfere with the pressure settings which are pre-set from the factory
2. Should the Air Pump run for over 30 minutes, switch it off. There is a risk of pump overheating/burn out/fire.
3. Risk of suffocation/asphyxiation if persons are inside the device– do not leave children unattended. Do not leave your vehicle running in the device
4. Do not use “Indoor Ultimate Car Shield/Bike Shield” outdoors
5. Outdoor Ultimate Car Shield/Bike Shields. ATTENTION: High risk of damage to property or persons if not properly secured.
  - a. Needs to be always sufficiently fastened to the ground to all 16 anchor points with anchoring that can withstand a force of 1600 Newtons (N), which is the equivalent of 163 kg. (359lbs) for each anchor point. There are 8 bottom and 8 top D-rings that can be used to connect to. Heavy-duty straps should run from the bottom of one side over the roof and connected to the bottom of the other side
  - b. The structure should not be used without the vehicle inside and needs to be securely connected to the vehicle inside
  - c. Do not use above a wind speed of 35km/h (20mph). Deflate the device and store in a protected area
  - d. Zipper runners should be fastened together
  - e. Do not keep the device inflated without a vehicle inside
  - f. Snow accumulation above 20cm (8 inches) should be removed promptly to avoid the device to sag or collapse

## Instructions

*Note: It should take about 20 minutes to set up the Ultimate Car Shield/Ultimate Bike Shield once unpacked. We recommend two people.*

*Only products marked "Outdoor" are for use outdoors. All other products are for indoor use only!*

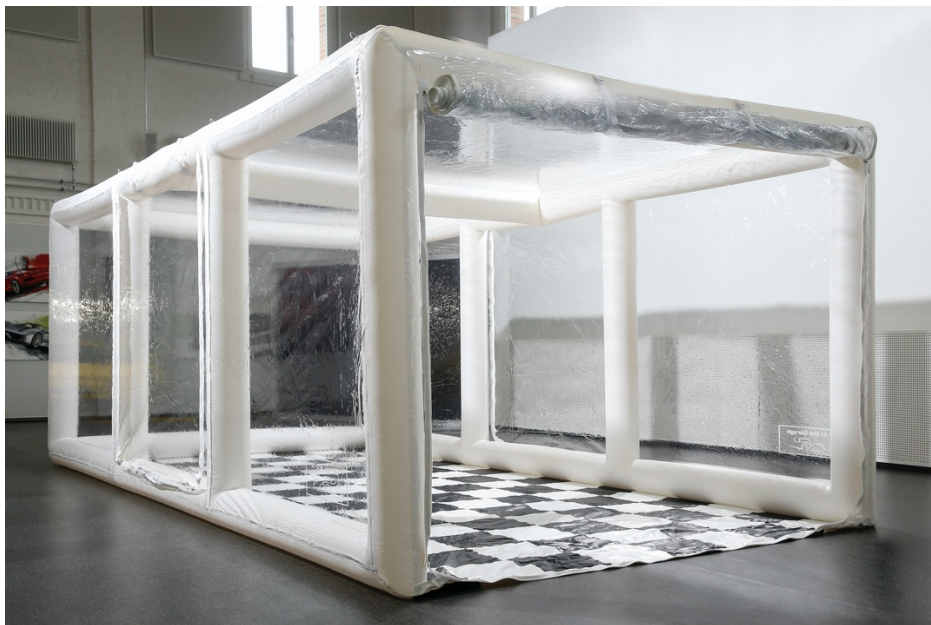


1. Unfold the Ultimate Car/Bike Shield and place it where it will be located when inflated. For the first inflation, connect to exterior set of valves
2. Screw on one end of the **Air Hose** to the receptor marked 'Inflate' on top of the **Air Pump**
3. Determine which valve set up you have on your Ultimate. There are 3 possibilities. Refer to "Possible Valve Configurations" page in these instructions. Once you have the correct fitting, connect the other end of the Air Hose to any of the grey valves by pushing and turning the bayonet
4. Insert the **Pressure Tube** into the blue port on the lower part of the **Air Pump**
5. Secure the other end of the Pressure Tube to any of the grey valves by pushing by turning the bayonet
6. Connect the electric cable to the **Air Pump** and plug it into an appropriate electrical outlet. For the Outdoor version, ensure that the power adapter and pump are placed **inside** the Ultimate Car Shield. Turn on the **Air Pump** using the toggle switch. **There will be a delay of about 3 seconds before it starts to send air.** It will run for less than 5 minutes or until the optimal pressure is reached and will maintain that pressure without intervention
7. Once inflated, place the pump on a flat surface

**Notes:**

- *This system allows constant maintenance without any user intervention in the event of pressure drops common to all inflatable products*
- *You may need to assist the device by lifting the pillars during inflation to ensure a smooth rise. If it is not fully inflated at five minutes, turn off the pump and unfold any portions which may be blocked or stuck together*
- *For the indoor versions, you can choose to locate the Air Pump inside or outside the Ultimate Car/Bike Shield as there are two sets of identical valves. The Air Pump and adapter must be inside for the Outdoor version*

***WARNING! Do not overinflate or interfere with factory-set the pressure settings. Maximum inflation: 2.56PSI/0.17 Bar for Ultimate Car Shield & 1.91PSI/0.13 Bar for Ultimate Bike Shield***



8. Install the **Fans** by placing the Velcro panel on the inside of the Ultimate Car/Bike Shield. Press hard



9. With the **AC Adapter** outside the device, run the power wire through the purpose-made slit and connect to **Fan**. (do not plug in an electrical socket yet as you first need to install the **Filter**)
10. From the outside of the Ultimate Car/Bike Shield, place the **Filter** in the round opening by gently bending the edges to make it fit. There is a specially-made slit in between the inside and outside panels

*Tip: It is easier if you rotate the filter while installing*



11. Snap on the corresponding plug Adapter for your region onto the **AC Adapter**
12. Plug the **AC Adapter** in an appropriate electrical power socket
13. Outdoor version: Install the **Fan Cover Support** inside the hood above the fans
14. **ATTENTION:** Outdoor version: Anchor the device to the ground (refer to **Warnings & Care** for more information)
15. Close all zippers to allow the air to circulate properly

*Note: when new, you may experience some “sticky” zippers. Do not force them. We recommend using two hands to open/close zippers (one inside and one outside). Also, it is easier to close zippers when the Fans are not running.*



## Deflation

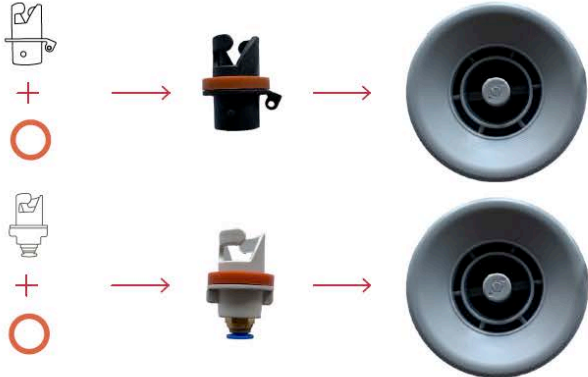
1. Connect one end of the **Air Hose** to the receptor marker 'Deflate' on top of the **Air Pump**
2. Turn on the **Air Pump** using the toggle switch and the Ultimate Car/Bike Shield will deflate in less than five minutes.

**N.B.:**

- *You may need to assist the device by lifting the pillars during deflation*
- *If it is not fully deflated at five minutes, turn off the pump and unfold any portions which may be “stuck”*

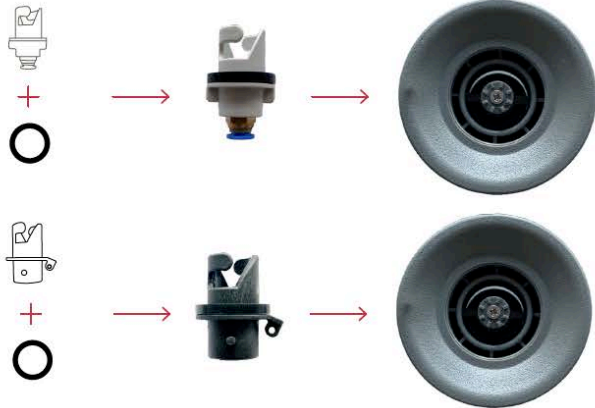
## Possible Valve Configurations

### 1. "2 x Push/Push Valves"



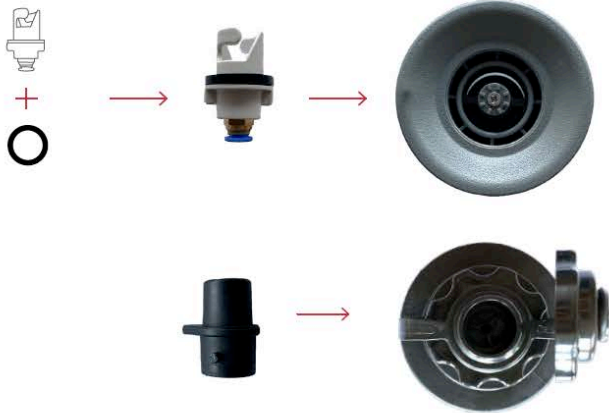
*Use fitting with orange-coloured gasket with push valve type*

### 2. "2 x Push/Turn Valves"



*Use fitting with black gasket with push-turn type valve*

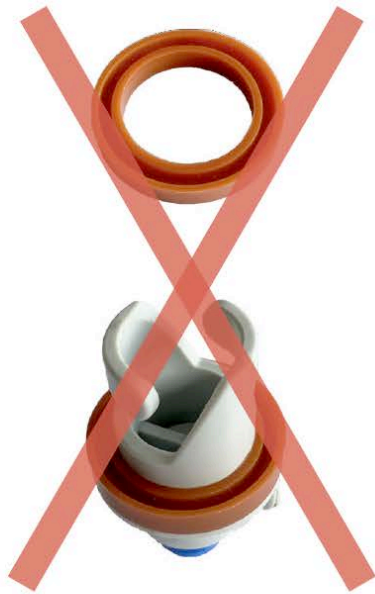
### 3. "1 x Push/Turn + 1 x Boston"



*Use fitting with black gasket with push-turn type valve*

*Use adapter with Boston valve*

## How to install the gasket



**fig.1**



**fig.2**

*Insert the gasket into the fitting as shown in figure 2*





## CARE / TROUBLESHOOTING

1. Use gentle soap and water to clean the PVC
2. Avoid contact between hot vehicle exhaust and PVC
3. Holes can be repaired using the patches supplied together with adhesive (i.e. TEAR-AID Type B)
4. Wash the charcoal filter with soap and water regularly (approx. every 6 months) depending on local region / air quality
5. It is recommended to protect the device with a protective material (i.e. foam or rubber layer) underneath and/or on top of the floor to avoid punctures from pebbles and other sharp objects
6. If your device is subjected to sea or ocean air, we recommend washing it regularly
7. If the pump stops working:
  - a. Check the fuse located on top of the pump
  - b. Check all connections: power cord, hoses, pressure adapter, pressure tube on the air pump
8. In certain weather conditions, the airflow may not be sufficient to completely avoid condensation. In high humidity and cold weather, moisture capacity in the air is reduced and the dew point is higher. When the air temperature reaches or dips below the dew point, airborne water vapor will form dew when it comes in contact with a colder surface – such as the walls or ceiling of the Car Shield.

The best ways to counter this are to:

- Open the Car Shield regularly to increase air flow for several minutes each day of high humidity and cold weather. Ventilation is key.
- Wipe down the ceiling and the walls of the Car Shield
- Keep the temperature inside and outside the Car Shield as stable as possible. Avoid warming the air in the CS as that will increase the amount of humidity the air can hold.

9. If the pump turns on more than usual:
  - c. Look for leaks using a liquid spray bottle filled with water and soap. Spray the suspected area and look for bubbles. To repair any leak, use the patches supplied together with adhesive (i.e. TEAR-AID Type B)

Check all the 4 valves (both inside and out). Make sure they are tight. There are two grey valves (one in and one out). Unscrew the cap, check the spring. It should be out all the way. Rotating and pushing you can lock it open or closed. Make sure it is closed (i.e. fully extended) and no air is leaking.

For the black valves, check that they are both fully screwed on. It is a two piece system. Pay attention to the inner larger part