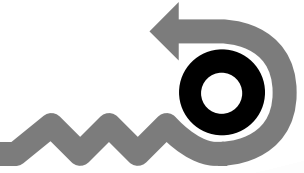


PILLOWTRACK



Innovative Off-Road Devices

user manual

Getting started

1. Make sure you have suitable means for inflation such as pump, compressor or compressed air canister. Make sure it fits the Pillowtrack tube or the supplied adaptor
2. Examine your car underbelly for sharp objects such as pieces of metal torn from the bumper, or extruding bolts in the wheel arch area. Although the Pillowtrack is highly resistance to sharp rocks and thorns found in nature, they may puncture from manmade objects.
3. Gain confidence and experience with your Pillowtrack. Inflate one Pillowtrack on a level ground according to the inflation instructions below. Place it in front of the driver side front wheel and simply drive on it. You may park on the Pillowtrack. To get off the Pillowtrack turn the steering wheel towards the passenger side and drive forward.



Operation principles

1. When the vehicle cannot move forward anymore, it is preferred (if possible) to reverse a little, and place a fully inflated Pillowtrack in the place where the wheel has lost traction.
2. Place the Pillowtracks to fill the gap for the wheels with the lowest contact pressure: the wheel that is further down from the wheel arch has less contact pressure.
3. When the vehicle is stuck, place the Pillowtracks so one end is under the center of the wheel and the other end is facing to the direction of desired motion. This is done to maximize the track length available. It will result in a wedge shaped Pillowtrack facing towards the recovery direction. This will ensure that once the wheels start turning the Pillowtrack will be pulled under the vehicle, lifting it higher.

PillowTrack is a registered trademark, all rights reserved ● patents pending

4. Inflation instructions:

- **Mobility:** Before crossing an obstacle (Pillowtrack is free). Inflate the Pillowtrack until it reaches its full size and feels firm. A pressure of approximately 1 to 2 psi.
- **Recovery:** When stuck (Pillowtrack is put un-inflated under the wheel). Inflate the Pillowtracks until they are full, and it is evident that the wheel has raised and the chassis is clear off the ground. **Do not exceed 5 psi**
- The Pillowtrack may be inflated using a hand pump, an air compressor, from a canister, or by mouth blowing.
- To inflate simply connect the inflating device to the tube.
- Once the Pillowtrack has reached desired pressure, seal the air by folding the tube and inserting it into the fabric loop.
- You can use the Schrader valve adaptor to connect a compressor to the tube by inserting the adaptor into the tube, and then, connecting the compressor same as with the tire of the vehicle.



Securing the tube



Schrader valve adaptor

5. pillowtrack position

To maximize the performance of your Pillowtrack and reduce wear always use with wheel side facing up and terrain side facing down.



wheel side - facing up



terrain side - facing down

Tips & tricks:

Drivers may encounter situations where Pillowtrack will not be enough; a trench too deep, or mud too sticky. In some cases two Pillowtracks will do the job, in others additional assistance might be required. Nevertheless, the below listed tips and tricks will keep these situations to a minimum.

- Pillowtrack recovery calls for smooth and steady throttling. There is no need to accelerate or over rev the engine; you are literally 'driving on air' slowly and gently.
- Connecting the far ends of a folded Pillowtrack in its deflated condition and inflating it will result in a shorter pillow, suitable for smaller ditches.
- Chaining two Pillowtracks together by the corner connectors will provide a longer recovery running path.
- Connecting two Pillowtracks at all four corners prior to inflation will provide a double height Pillowtrack. Note that this configuration is less stable, hence suitable for ditch crossing and not for vehicle lifting.
- Keep your Pillowtracks clean so they can be used as handy seats.

High Center

1. Examine all the wheels of the vehicle to determine which have less traction.
2. Place the deflated Pillowtrack underneath the wheels that have less traction.
3. Where possible place the Pillowtrack so that it is at least half way under the tire. Leave a larger part of the Pillowtrack facing the direction of desired motion.
4. In cases where a wheel is still in contact with the ground, place the deflated Pillowtrack (as flat as possible) and push it towards the wheel.
5. Inflate the Pillowtrack until it looks full and feels firm. Do not over inflate - 3-5 PSI is sufficient.
6. When the Pillowtrack is placed halfway under the wheel and inflated, the far side of the Pillowtrack will rise up off the ground. This is a good indication to stop inflating the Pillowtrack.
7. Make sure the chassis has raised off the ground
8. Drive away slowly



Place the deflated Pillowtrack (as flat as possible) and push it towards the wheel.



Inflate the Pillowtrack until it looks full and feels firm. Do not over inflate – 3-5 PSI is sufficient.

Wheel articulation (two diagonally positioned wheels have lost traction)

1. It is preferred (if possible) to reverse a little, and place a fully inflated Pillowtrack in the place where the wheel has lost traction.
2. Place the Pillowtracks under the wheels with the lowest contact pressure: the wheel that is further down from the wheel arch has less contact pressure.
3. When the vehicle is stuck, place a deflated Pillowtrack so one end is under the center of the wheel and the other end is facing to the direction of desired motion. This is done to maximize the track length available.
4. Inflate the Pillowtracks until they are full. Do not exceed 5 psi
5. Drive away slowly



Crossing a trench

Before crossing:

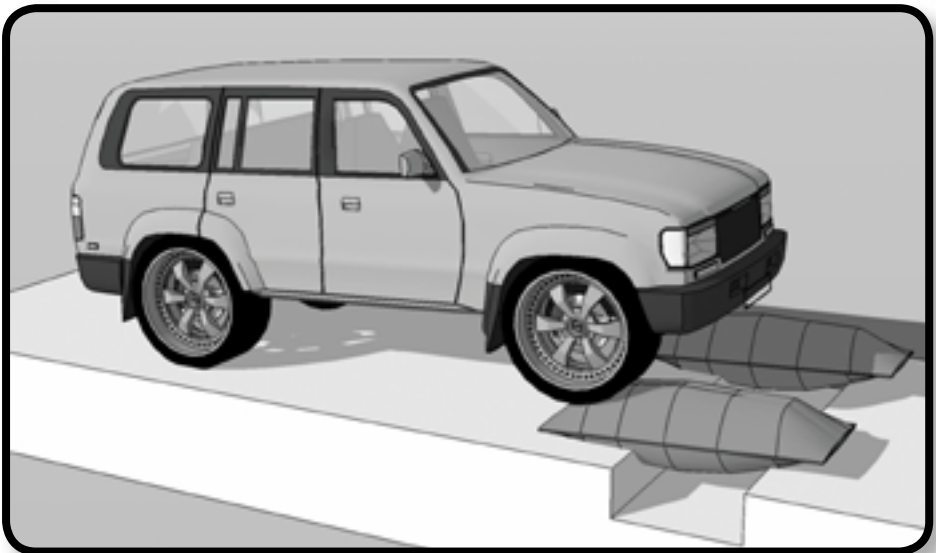
1. Inflate two Pillowtracks until they reach a cylindrical shape and feel firm. Place the Pillowtracks - one in front of each front wheel - in order to bridge the ditch.
2. Simply drive over the Pillowtracks to the other side.
3. In case the trench is too deep or wide you can place one Pillowtrack in the bottom of the trench and place the other on top of it. .

Alternatively:

4. Fold one or both of the Pillowtracks and connect the end loops to keep it folded.
5. Inflate the folded Pillowtracks to increase the height.

Stuck in a ditch or trench:

1. Fold one or both of the Pillowtracks, and connect the end loops.
2. Place the Pillowtracks underneath the stuck wheels.
3. Inflate the Pillowtracks until they have good contact with the vehicle wheels, to raise them.
4. Make sure the chassis is raised off the ground. If not, reposition the Pillowtrack to raise the chassis.
5. Drive the vehicle out of the trench.
6. You can connect two folded Pillowtracks to create a pillow four times higher than a single non-folded pillow.



Sand, mud or snow

Always recover downhill

Examine the situation. Is the chassis touching the ground? Is there any wheel that is not carrying the weight of the vehicle?

If the chassis is free and all four wheels are carrying the weight of the vehicle:

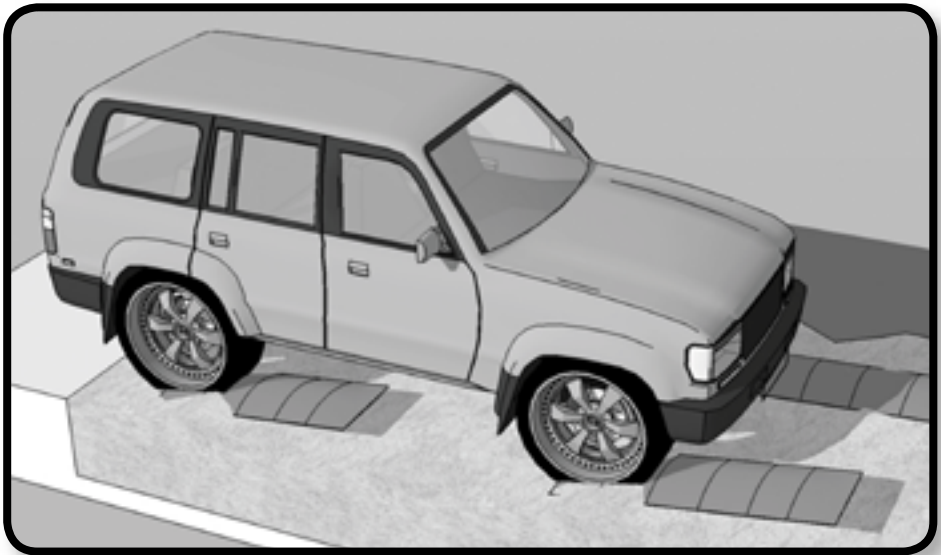
1. Inflate the Pillowtrack to approximately half full (The height will be about 4" or 10cm). This allows the Pillowtrack to distribute the wheel load over soft ground.
2. When inflating only half full it is faster to mouth blow into the inflation tube.
3. Dig under the wheel to place the Pillowtrack at least half way through under the tire in the intended direction of motion
4. Drive the vehicle out.

In case the chassis is touching the ground and some of the wheels are carrying little load (the suspension is stretched open), Please refer to the instructions of the high center

TIPS

It is possible to connect two or more Pillowtracks in a row to create a longer driving surface. This enables drivers to generate some speed in order to start driving on soft or slippery ground.

Tying a loose cord from the Pillowtrack to the rear bumper of the vehicle prevents the need to walk back and collect it; the Pillowtrack will simply drag behind the vehicle until firm ground is reached.

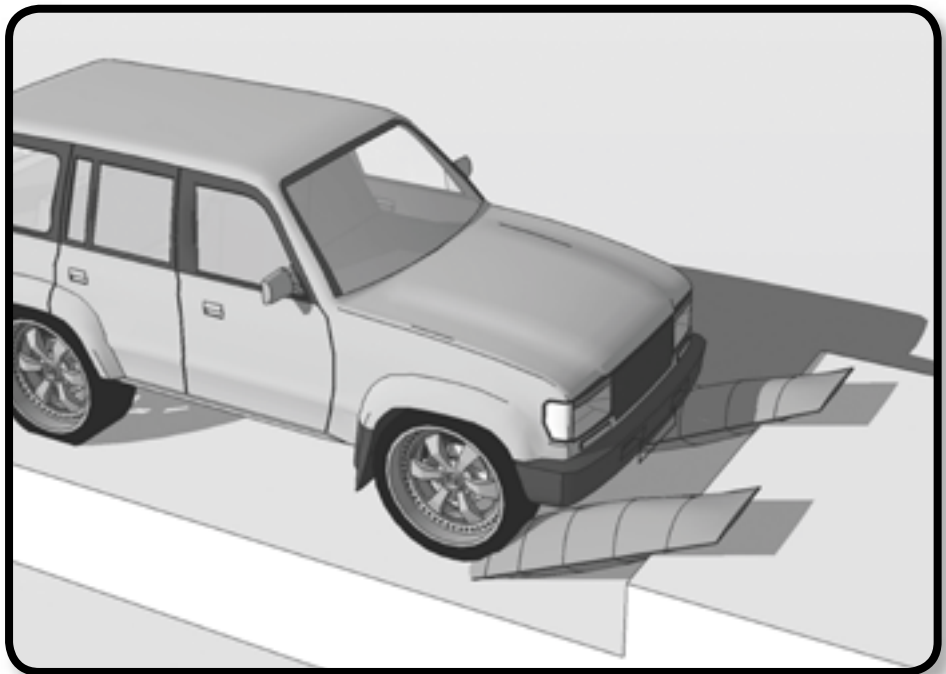


Step barrier

1. Inflate the Pillowtrack until it looks full and feels firm. Do not over inflate - 1-2 PSI is sufficient.
2. Place one or more Pillowtrack/s in front of the step to serve as a ramp.
3. Simply drive over the Pillowtrack slowly and steadily until the step has been crossed.

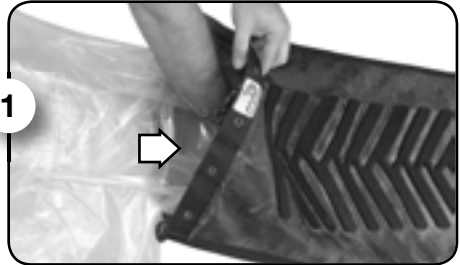
Please note !

In some cases the Pillowtrack may roll sideways if the vehicle is stopped on halfway through the climb. Take preventative measure and keep clear of the vehicle.



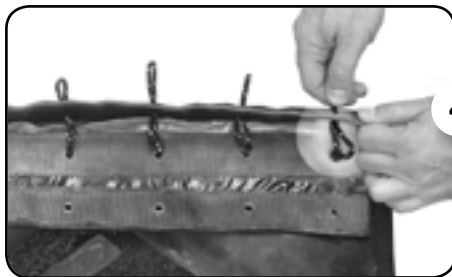
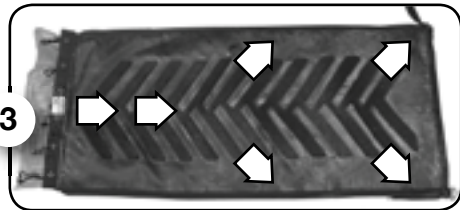
Replacing the bladder

Unthread the closing cord loops, open the flaps and remove the old bladder.



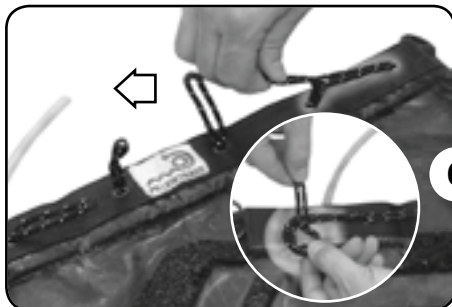
Insert a new bladder so that the Inflating tube is facing it's opening in the outer shell.

Spread the bladder evenly inside the outer shell towards the edges to avoid "air pockets".



Thread the cord loops through the holes in the lower flap, fold it and press firmly on it's surface

Repeate step 4 using the upper flap



Thread each loop into the former one, finishing close to the inflating tube and secure the last thread.

Inflate the Pillowtrack fully before using it.



Safety:

- Never place body parts under a vehicle lifted or supported by a Pillowtrack.
- Maximum inflation pressure for the Pillowtrack is 7.5 PSI, - never over inflate.
- When climbing on a Pillowtrack not supported by its sides there is a risk it will roll sideways. Avoid side slopes.
- The Pillowtrack is not a jack
- The Pillowtrack is not a life saving device
- Practice caution when recovering a vehicle

Caring for your Pillowtrack

- Avoid fast-spinning wheels on the Pillowtrack.
- Store your Pillowtrack in a dry place.
- Avoid overheating your Pillowtrack in usage or storage.
- Avoid exposing Pillowtrack to oil, fuel and other solvents.
- After using your Pillowtrack in salt water, rinse in fresh water and dry thoroughly.

Visit us at: "www.pillowtrack.com"