

**Thank you for your purchase!** At MSW® we believe having essential accessories makes a good bike ride great. The MSW Tool Hugger Kit will help you keep your bike ride going in the event of a flat tire or minor mechanical issue.

**▲ WARNING:** Cycling can be dangerous.

Bicycle products should be installed and serviced by a professional mechanic. Never modify your bicycle or accessories. Read and follow all product instructions and warnings including information on the manufacturer's website. Inspect your bicycle before every ride. Always wear a helmet.

For additional product and safety information go to: [www.mswbike.com/safety](http://www.mswbike.com/safety).

#### COMPATIBILITY AND INTENDED USE

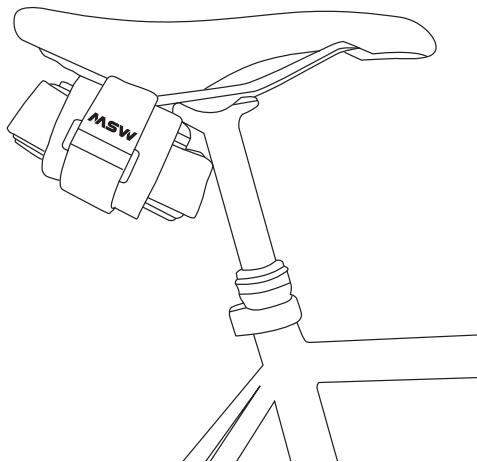
The MSW WindStream Inflator Head pushes onto Presta or threads onto Schrader valve tubes, and works with standard 3/8" threaded compressed gas cartridges.

MSW Tire Levers are for use with clincher bead tires. **NOTE:** Check with rim manufacturer before using tire levers.

The MSW Multi-Tool keys fit 2.5, 3, 4, 5, and 6 mm hex bolts, a T25 Torx bolt, and flat and Phillips head screws.

#### ATTACHING THE MSW TOOL HUGGER WRAP TO YOUR BIKE

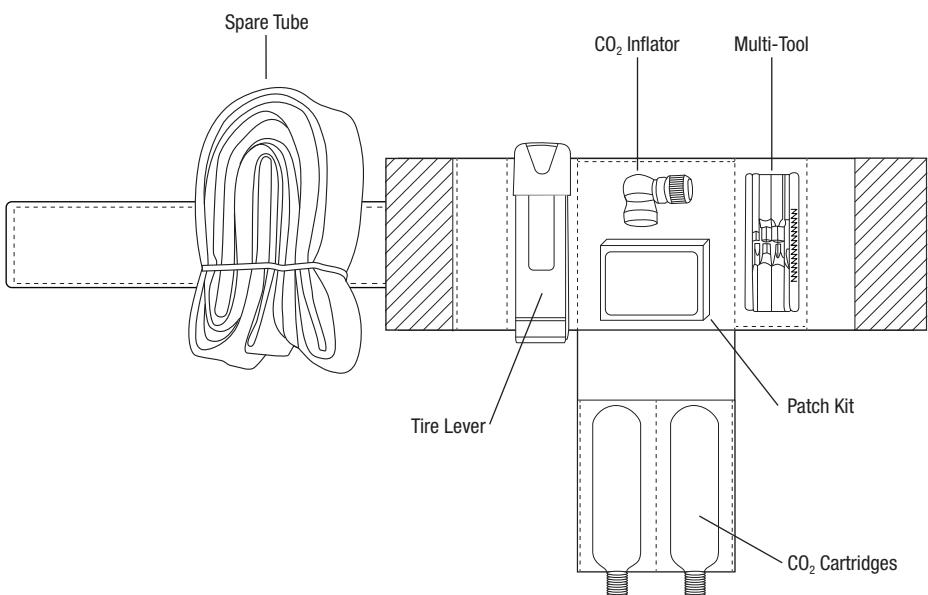
Once your Tool Hugger has been packed, loop the ends of the straps over the saddle rails (CO<sub>2</sub> on top and facing up). Run the hook-and-loop strap through the loop and then back onto itself. Tighten the strap making sure the Tool Hugger is secured to your saddle rails and will not shift while riding.



#### FIXING A FLAT TIRE WITH THE MSW TOOL HUGGER KIT

You will need:

- MSW Tire Levers
- MSW WindStream Inflator Head and CO<sub>2</sub> cartridges
- MSW Patch Kit



#### REPAIRING A FLAT TIRE AND TUBE

1. Inspect rim and rim tape. Clear debris from inner tire surface of rim. Replace rim and rim tape if damaged. Ensure all spoke holes and nipples are covered. To repair the tube with the MSW Patch Kit, see instructions below this section.
2. Install one side of the tire onto the rim.
3. Inflate tube slightly so that it is round but smaller than the tire. To slightly inflate the tube with the MSW WindStream Inflator Head and CO<sub>2</sub> cartridges, see instructions below this section.
4. Insert tube valve into the valve hole on the rim. Install lock nut onto the valve, leave loose against the rim.
5. Push tube into the partially installed tire. Ensure the tube is not twisted. Valve should be perpendicular to the rim.
6. Carefully push the loose tire sidewall over the rim lip, starting opposite of the valve. Do not pinch tube between the rim and tire. Work around the tire until the tire is fully installed. If unable to install the tire by hand, use a tire lever to gain leverage. Do not to pinch the tube or damage the rim with a tire lever.
7. Visually inspect the space between the tire sidewall and both sides of the rim by squeezing the tire. Make sure the tube is not pinched between the rim and tire.
8. Inflate tube so that it is pressing against the tire in all locations and then repeat Step 7.
9. Continue to inflate tube slowly. If the tire is migrating off of the rim, stop, deflate the tube, and repeat. Inflate the tube until the tire bead is fully seated on the rim.
10. Adjust pressure to the pressure limit indicated on the tube or the tire, whichever is less.
11. Close air valve, finger tighten lock nut against the rim, and install valve cap.
12. Inspect the tire for any bulges, delamination or obvious defects.

## HOW TO USE THE PATCH KIT

1. Lightly rough up the tube in the area with the puncture with the included sandpaper.
2. Clean the area.
3. Apply patch with even pressure and ensure that it is fully secure to its edges.

## USING THE MSW WINDSTREAM INFLATOR HEAD

### FOR A SCHRADER VALVE

1. Do not install a cartridge until ready to inflate.
2. Place the wider, smooth end of the inflator head onto the valve, and thread it on in a clockwise direction until it is fully engaged.
3. Thread the cartridge into the knurled end of the inflator head until it is threaded fully. You may hear a hiss when the seal on the cartridge is punctured.
- ▲ WARNING:** As compressed gas leaves the cartridge, it drops to a very low temperature and could cause frostbite to exposed skin.
4. To inflate your tire, press down and compress the spring. You will hear the gas being released into the tire. Release tension to stop the flow of the gas. Do not remove the cartridge until all the gas is discharged.
5. Inflate to a pressure within the range recommended by the tire manufacturer on the tire's sidewall. Consult the cartridge manufacturer's website to see what pressure you can expect based on your tire size and cartridge size.

### FOR A PRESTA VALVE

1. Do not install a cartridge until ready to inflate.
2. Make sure the valve is open. Place the wider, smooth end of the inflator head onto the end of the valve.
3. Thread the cartridge into the knurled end of the inflator head until it is threaded fully. You may hear a hiss when the seal on the cartridge is punctured.
- ▲ WARNING:** As compressed gas leaves the cartridge, it drops to a very low temperature and could cause frostbite to exposed skin.
4. To inflate your tire, press down and compress the spring. You will hear the gas being released into the tire. Release tension to stop the flow of the gas. Do not remove the cartridge until all the gas is discharged.
5. Inflate to a pressure within the range recommended by the tire manufacturer on the tire's sidewall. Consult the cartridge manufacturer's website to see what pressure you can expect based on your tire size and cartridge size.

## ONGOING MAINTENANCE

Periodically check to make sure your tires are inflated to a pressure within the range recommended by the tire manufacturer. Please recycle empty cartridges.

## ▲ SAFETY WARNINGS

Failure to heed any of these warnings may result in personal injury.

- Contents contain liquefied CO<sub>2</sub> at high pressure
- Never puncture a compressed gas cartridge with anything other than an inflator head
- Keep compressed gas cartridges away from heat above 120°F (49°C). A closed car or direct sunlight can reach a temperature higher than this. Overheating may rupture the cartridge
- Do not incinerate cartridges
- Do not use near any potential ignition sources. Use in a well-ventilated area
- Cartridge must be used with nozzle facing down
- Do not remove the cartridge from the inflator until all the gas is discharged and the cartridge is empty. Doing so may cause the cartridge to become a projectile
- Only use compatible cartridges that are in perfect condition
- As compressed gas leaves the cartridge, it drops to a very low temperature and could cause frostbite to exposed skin
- Install and remove the inflator away from your face, body, or other people
- Do not inhale compressed gasses of any kind. If inhaled, seek fresh air. If necessary, seek medical aid for further respiratory support or skin burns
- Keep cartridges and inflators out of reach of children
- Compressed gas cylinders CANNOT be transported on aircraft in checked or carry-on bags
- Only use the correct size cartridge for your tire size and recommended pressure. For cartridge sizing information go to: [mswbike.com/files/17824\\_MSW\\_Inflator\\_Chart\\_VF.pdf](http://mswbike.com/files/17824_MSW_Inflator_Chart_VF.pdf)

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## WARRANTY PROCESS

If you and your shop think your MSW product is worthy of a warranty inspection, please return the product to the original place of purchase, accompanied by a sales receipt.

For complete warranty information, visit [www.mswbike.com/safety/warranty](http://www.mswbike.com/safety/warranty).