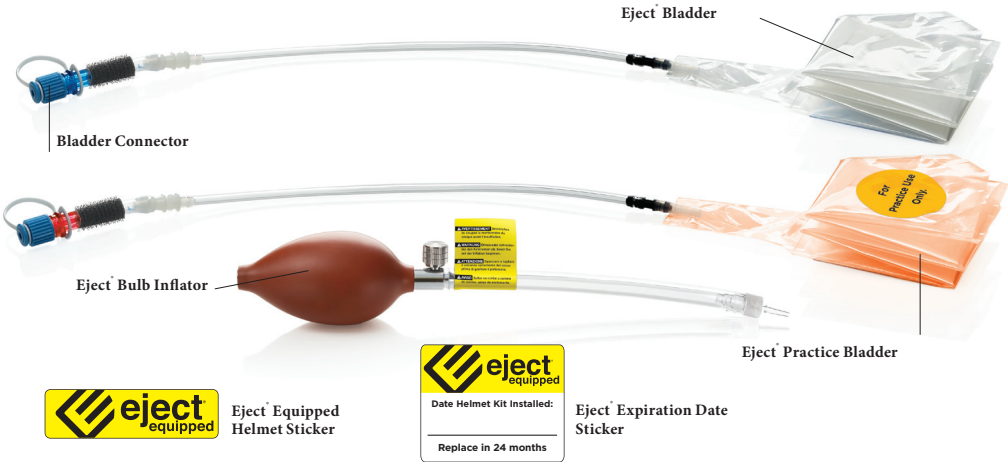




# Eject<sup>®</sup> Helmet Removal System

## Installation, User Instructions and Safety Information

Package may contain any of the following:



NOTICE

The Eject<sup>®</sup> Helmet Removal System does not and cannot eliminate motorsports injuries such as severe brain, head and neck injuries.



### IMPORTANT SAFETY INFORMATION

#### READ BEFORE CONTINUING

- You must completely understand all Eject<sup>®</sup> Helmet Removal System User Instructions and safety information before using and installing this product.
- Simpson recommends that the Eject<sup>®</sup> system only be inflated by professional rescue personnel trained in the use of the Eject<sup>®</sup> system.
- If you have purchased the bulb inflator be sure to carry these instructions with the bulb inflator.
- You should discuss the use of Eject<sup>®</sup> with the owner or manager of the track where you ride/drive. Leave a copy of this helmet removal instruction manual with the track owner, manager, or family member or friend at the track who can provide them to a trained first responder if there is no one on site who is trained in the use of Eject<sup>®</sup>.
- To ensure optimal performance, Simpson recommends replacing the Eject<sup>®</sup> system every 24 months.
- Once Eject<sup>®</sup> is inflated, it should be removed and disposed of.
- Contact the Eject<sup>®</sup> Support Center at 1-800-654-7223 or [texassales@teamsimpson.com](mailto:texassales@teamsimpson.com) for more information, training materials or technical questions.
- Visit [SimpsonRaceProducts.com](http://SimpsonRaceProducts.com)



## Installation Instructions: Helmet Kit

**INSTALLATION NOTES:** If you have purchased a practice bladder – install the practice bladder first, and then follow the practice bladder instructions on the second side of these instructions before installing the permanent bladder. The practice bladder may be reused – the permanent bladder may not.

Prior to installing the helmet unit, lift the clear flap at the bottom of the expiration date sticker, record the date of helmet installation, remove the backing material from the sticker, and press the clear protective layer onto the bottom half of the label.

1. Place the helmet upside down with the chin bar facing away from you. (Figure A.)
2. Study liner design and available removable liner pieces to gain access to the hard foam under the soft lining foam. Evaluate the

openings/gaps in the soft foam for the exit path of the tube to the rider/driver's left side of the helmet. Place the Eject<sup>®</sup> Bladder under the soft helmet liner as shown in Figure A-1.

A small cut may be required in the soft lining of some helmets to feed the tube through. **DO NOT CUT INTO THE HARD FOAM LINER.**

3. Position the Eject<sup>®</sup> Bladder centrally inside the top of the helmet with the plastic tube exiting to the rider/driver's left. Do not permanently attach the Eject<sup>®</sup> Bladder at this stage. When the helmet is on, the Eject<sup>®</sup> sticker and tube fitting must be on the rider/driver's left side.
4. Feed the inflation tube behind the helmet lining until the tube rests along the inside of the helmet, allowing the bladder to be positioned in the center as shown in Figure B.

Figure A.



Figure A-1.

Alternative routing of the tubing may be required on some helmets. Ensure that tube connector exits the left side of the helmet.

Check that the tubing is not pinched or kinked at any point along its' length.

Go to [SimpsonRaceProducts.com](http://SimpsonRaceProducts.com) to view a video version of the installation instructions.

WARNING

The Eject<sup>®</sup> Bladder must not be restricted from inflation/expansion. The helmet liner or crown pad must not be glued or attached in a way that will hinder the inflation/expansion of the Eject<sup>®</sup> Bladder.

Figure B.



Right side of rider/driver's helmet

Left side of rider/driver's helmet

Installation instructions continued from front side.

- 5. Position the connector at the base of the helmet, using the Velcro® fastener to secure it to the lining material surface between foam as shown in Figure C.
- 6. Once the tubing has been properly positioned, firmly affix the Eject® Bladder to the top center of the helmet interior using the double-sided tape on bottom side of bladder.
- 7. Reposition the helmet lining over the Eject® Bladder.

**WARNING**

Check Eject® unit placement before each helmet use. It may move over time. Improper placement could diminish the effectiveness and result in serious injury.

If any changes in the Eject® position occur which can't be corrected to match the original installation, or any type of damage to Eject® is identified the unit must be replaced prior to helmet use.



Figure C.

- 8. Apply the Eject® Equipped sticker to the outside of the helmet at or near the location of the connector at the end of the tubing AS SHOWN IN FIGURE D. This allows EMS professionals to easily identify the location of Eject®.

Place the second sticker on the inside, bottom edge of the chin bar area. This will identify that Eject® has been installed in cases where the rider/driver's left side isn't exposed.

Figure D.

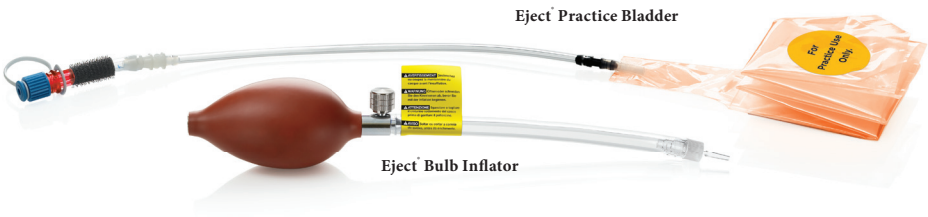


**WARNING**

- DO NOT modify the Eject® Helmet Removal System in any way. Modifications may affect the proper function.
- Never use any device not approved by Simpson for inflation. This can result in injury to the rider/driver.

Using the Practice Bladder

**WARNING:** This practice bladder is for practice only, and should never be installed permanently, for actual use in the helmet.



The first practice helmet removal should be on yourself giving you the opportunity to experience both removing the helmet and receiving the helmet removal at the same time, giving you a more complete feel for the process. You may fold and re-use the practice bladder for repeated practice. After use, the best way to remove the air from the Practice Bladder is to simply squeeze out the air. After it is completely empty, refold it using the creases as a guide. Thin (approx. 1/4 inch) strips of Scotch® or masking tape can hold it together for reuse.

- If you wish to be prepared in an emergency when EMS are not present, then practice using the practice bladder.
- The practice bladder is not intended for, and should not be used in an emergency.
- After you have practiced with the practice bladder, remove it from the helmet and install the actual Eject® system. Follow the installation instructions.

**WARNING**

Simpson recommends that the Eject® Helmet Removal System be used ONLY by rescue personnel trained in spine immobilization who have complete training on the system and have read the full instructions. Proper training includes practicing before using the Eject® Helmet Removal System on an accident site.

**DISCLAIMER OF WARRANTIES**

Neither Simpson nor seller shall be liable for damage or injury caused to yourself, any other person, or any equipment arising out of the misuse or failure to follow guidelines or instructions for the use of this product.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NEITHER SHOCK DOCTOR NOR SELLER MAKES ANY WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES.

Eject® Helmet Removal System Procedure

- DANGER:** DO NOT inflate the Eject® system if there is structural damage to the top of the helmet.
- WARNING:** If non-professionals choose to use the Eject® system in an emergency, they must read and comply with all instructions. More significant injuries can occur if improperly utilized.

In an emergency situation, if you choose to inflate Eject® in the absence of EMS, you MUST have a second person holding the head and neck stable until EMS arrives.

- 1. Before inflating Eject®, CHECK TO MAKE SURE THE HELMET CHIN STRAP IS UNDONE OR CUT. Carefully remove rider/driver's glasses or goggles. (Figure A.)

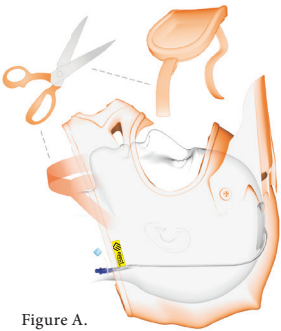


Figure A.

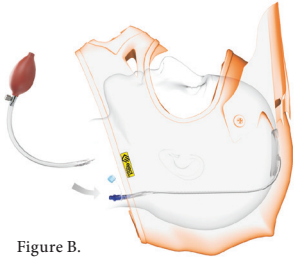


Figure B.

**DANGER:** At all times during helmet removal, keep the airway (mouth and nose) clear and hold the head and neck stable.

- 2. Attach the inflation bulb to the connector on the Eject® device and start to inflate the Eject® system by squeezing the bulb repeatedly. (Figure B.) If Eject® does not inflate, check that valve on Bulb Inflator is fully closed.
- 3. Gently guide the helmet past the rider/driver's nose, (Figure C.) while removing the helmet safely from the rider/driver's head. (Figure D.)

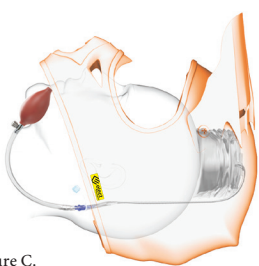


Figure C.

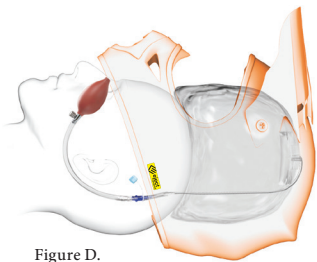


Figure D.