



155 East Rincon Street Corona, CA 92879 U.S.A
www.troyleedesigns.com

AIR
HELMET
OWNERS MANUAL



Thank you for purchasing the Troy Lee Designs "TLD" Air, the most technologically advanced line of adult motocross helmets on the planet.

The TLD Air helmet is the latest in super ventilated off road helmets. Now with front chin-bar intake and rear exhaust vents 25% larger than the original industry leading TLD model. With a revised eye-port shape to give better goggle strap retention. These improvements have also made the new shell lighter and stronger.

Further refinements inside and out, like lightweight Aluminum and Nylon fasteners, as well as increased Side EPS impact absorbing material, have made a safer and more comfortable helmet. Added features like a taller/stronger nose guard, and easily removable front inlet filter add to this great helmet's on and off-road versatility. The aggressive new mouthpiece styling, and TLD Vortex Visor gives the Air helmet a classic yet new look. The Air helmet is a state of the art base for the latest graphic creations.

To ensure you get the most from your investment, and to guarantee years of use from this quality Troy Lee Designs product, please read the instructions in this manual carefully before use. The information provided will help you obtain optimal protection from your helmet. You should not use your TLD Air helmet until you have read and fully understand the contents of this manual.

If you have any questions or comments concerning this helmet, please contact your nearest Troy Lee Designs dealer, call 951-371-5219, visit www.troyleedesigns.com, or e-mail us at info@troyleedesigns.com.

Please note that these specifications are subject to change without notice, as we continually strive to improve our products.

This helmet has passed the U.S. Department Of Transportation "DOT", the SNELL Memorial Foundation's SNELL M2005, and European CE standards for adult use. We invite you to visit their websites for more information regarding these tests and their criteria.

SNELL Memorial Foundation:.....www.smf.org
U.S. Department Of Transportation "DOT":.....www.nhtsa.gov
European CE:.....www.cemarking.net

Troy Lee Designs

HELMETS

HELMET FEATURES



01 Exclusive, multi-level internal ventilation system and our "thermal crown cooling and exhaust chamber" are built into the EPS liner and shell to transfer air throughout the inside channels of the helmet, keeping your head cool even under the most extreme riding conditions.

02 High-pressure top scoop, forces fresh air into the top of the helmet.

03 Exhaust vents work in conjunction with the top and front inlets by essentially pulling hot air out of the back of the helmet

04 New removable/replacable mouth piece allows more air-flow while providing excellent facial roost protection.

05 Thicker impact-absorbing, EPS inside of chin bar liner adds protection and style details.

06 Distinctively styled lines designed and built into the shell provide a guide to keep your goggle strap in place.

07 Ultra high-tech moisture-absorbing comfort liner and cheek pads are removable and washable. Dri-Lex® and CoolMax® fabric is used for both maximum absorption, and maximum comfort.

08 Removable and replaceable nose guard. Provides additional roost protection.

09 Aluminum cross-top and ergonomically designed propeller visor adjustment screws with Nylon inserts add an element of safety.

10 Includes new Vortex™ visor with shell-matching graphics.

- Includes a draw string sock bag.
- The AIR helmet is available in adult sizes: X-Small, Small, Medium, Large, X-Large, XX-Large.
- Includes a 1 year limited warranty (see page 22)
- World famous TLD graphics.
- Aerospace composite shell with carbon fiber, Kevlar®, and fiberglass reinforcements integrated into the shell's advanced lay-up.
- Leading-edge styling with ultra high-performance in mind.
- Exceeds SNELL M2005, U.S. Department Of Transportation "DOT" and European CE standards, for adult use.

MULTILEVEL INTERNAL VENTILATION SYSTEM

Our exclusive multi level internal ventilation system utilizes different locations, pressures, and volumes of air (pushed and pulled) through 12 intake and 5 large exhaust vents. Over 8 square inches of intake area, and 14 internal channels ensure plenty of fresh air enters and flows through the helmet. The large rear exhaust vents work in conjunction with the shell shape, by actually creating a low pressure area behind the helmet, therefore drawing hot air out to provide an extremely efficient ventilation system.

COOL AIR, HIGH PRESSURE TOP SCOOP

At speed, this scoop forces cool air to the top of the head

COOL AIR, HIGH VOLUME FOREHEAD INTAKE

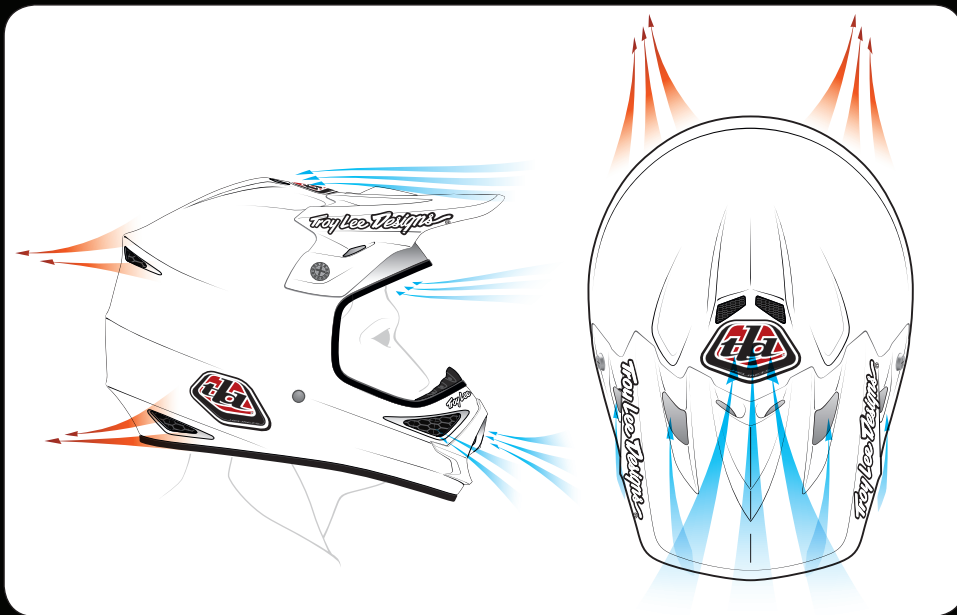
Strategically placed, allowing large amounts of cool fresh air to cool the entire head

HOT AIR EXHAUST VENTS

Venturi dynamics and shell design create a low pressure area at the rear of the helmet thus drawing out the hot air from inside the helmet

FREE-FLOW FACE VENTS

Allows fresh air to reach the face, and aid in reducing goggle fogging



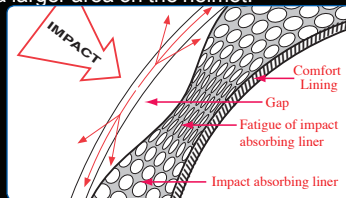
WARNING

No helmet can protect the wearer against all foreseeable impacts or injuries, nor is it possible to predict if a helmet will protect you in any given accident. Head protection is complicated and is beyond the scope of this manual. The function of the helmet is to reduce the chance or severity of a head injury in an accident. The helmet will not protect the parts of your head that are not covered and will not protect your neck or spine from injury. It will not protect you against head injuries that are not caused by impacts, such as shaking or vibration. For maximum head protection, the helmet must be of a proper fit and the retention system [straps] must be securely fastened under the chin. Failure to ensure a proper fit and securely fasten the helmet is dangerous as the helmet could come off or slip into an improper position in an accident resulting in severe head or neck injury or death.

A helmet, like all products, may wear out over time depending upon its use and the amount of care that it is given. Please check your helmet every time before use for damage and do not use a damaged helmet. Snell and Troy Lee Designs recommend retiring a helmet after FIVE (5) years from purchase even if there is no visible damage or defect. Of course with hard or frequent use this time may be reduced. Even with minimal use, a helmet is affected by things like the acids and oils in sweat, hair care products, pollution, exposure to UV rays, corrosive dirt or mud, being tossed around, etc. Of course, if your helmet becomes less than snug in fit, or damaged, it should be replaced before the five year mark. Replacing your helmet every 5 years allows you to take advantage of advances in helmet design and construction.

Helmets are designed to absorb ONE impact. After your helmet has been involved in one impact you must destroy it and replace it. Your helmet is designed to distribute the localized force of an impact over a larger area on the helmet. Even if your helmet looks undamaged its useful life is finished after one impact and will no longer provide protection in an accident. With a sufficient impact, the helmet's impact absorbing liner (EPS or "expanded polystyrene") becomes compacted. Once this has happened, the helmet no longer has the ability to absorb further impacts and protect your head. If you have any doubts for example, if you drop your helmet or if it is hit by something and you are not sure if the impact was sufficient to damage the helmet contact Troy Lee Designs before you use the helmet again.

Never modify your helmet. It is very dangerous to drill holes or cut the shell and/or the



GENERAL WARNINGS • SAFETY RECOMMENDATIONS

shock absorption liner. Modifications can seriously weaken the helmet. Modifying the retention system weakens it, and may render the helmet useless in an accident. Removing parts such as the mouth guard or rubber face rim can expose edges, which may injure you in an accident. Never sand or paint the outside of the helmet. Always use approved Troy Lee Designs parts when replacing visors, screws, pads or any other part. A compromised helmet will not provide head protection.

Always check your helmet before use. Check your visor screws and tighten if necessary. Check for cracks in the helmet. If you find cracks or damage, stop using the helmet immediately. Plastic components may start to wear out before 3 years from purchase. If you find deterioration in any part of a component, either replace that component or get a new helmet. If these parts come loose and/or fall off while you're riding, your vision may be blocked resulting in serious personal injury or death. Check the security of the retention system and always make sure that the comfort liner and the cheek pads are attached before you use the helmet.

Do not purchase used helmets or any used parts for the helmet. Do not sell your helmet.

Do not wear anything between helmet and head.

Never allow others to use your helmet and do not use someone else's helmet.

Helmet may reduce hearing. Be aware of your environment.

Ride responsibly and do not take extra risks just because you are wearing a helmet.

Do not hang or hook your helmet on anything, such as handlebars. It may cause damage to helmet reducing the effectiveness of helmets' protection.

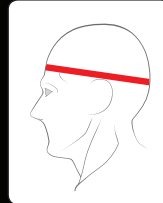
Do not drop your helmet on a hard surface. Doing so could permanently damage it. If unsure if you have damaged the helmet contact Troy Lee Designs.

Never mount any rigid objects to the inside or outside of your helmet other than those sold by Troy Lee Designs. This can weaken the helmet or cause injuries to you in an accident, by increasing the force on the helmet or the object and could become a projectile.

TO DETERMINE THE BEST SIZE

Measure your head size. Wrap a tape measure horizontally around your head at a height of about one inch (2.6cm) above your eyebrows and even with the tops of your ears to obtain the largest measurement.

Using the size chart below, select the helmet that is closest to your head size; i.e. "large" helmet is best for head sizes (hat) 7 1/4 to 7 3/8; (CM) 58-59; (Inches) 22 7/8 - 23 1/4. The chart is just a guide to give you an idea of head/helmet sizing; **it is not** a substitute for trying the helmet on and using the steps below.



TRY THE HELMET ON

Firmly grip chin straps and expand the helmet opening by pulling the straps outward and then slide the helmet onto your head. Pull the chin straps only, not the chin strap covers. Pulling the covers may tear them. If the helmet is not tight, it is too big for you. Even if you feel it is difficult to put it on, please use the smallest helmet possible. You should feel a snug fit. When trying on helmets factor in the following, Head size growth, hair length, and the comfort lining packing (compressing) after use.

ADULT AIR HELMET SUGGESTED SIZE CHART

	*X-Small	Small	Medium	Large	X-Large	**XX-Large
Hat	6 ⁵ / ₈ - 6 ³ / ₄	6 ³ / ₄ - 7	7 - 7 ¹ / ₄	7 ¹ / ₄ - 7 ¹ / ₂	7 ¹ / ₂ - 7 ³ / ₄	7 ³ / ₄ - 7 ⁷ / ₈
CM	53 - 54	54 - 56	56 - 58	58 - 60	60 - 62	62-63
Inches	20 ⁷ / ₈ - 21 ¹ / ₄	21 ¹ / ₄ -22	22 -22 ³ / ₄	22 ³ / ₄ - 23 ⁵ / ₈	23 ⁵ / ₈ - 24 ¹ / ₂	24 ¹ / ₂ - 24 ⁷ / ₈

* X-small can be created by exchanging available lining and cheek pads in a small helmet.

** XX-large can be created by exchanging available lining and cheek pads in a X-large helmet.

GO THROUGH THE FOLLOWING 11 STEPS TO ENSURE A PROPER FIT

- 01 Remove all cheek pads from the helmet.
- 02 Ensure the helmet's inner lining fits snugly all around your head.
- 03 Check to see if the top pad presses closely on the top of your head.
- 04 Next attach the cheek pads that came with the helmet to the helmet shell.
- 05 Make sure the cheek pads are in contact with your cheeks, and that the cheek pads are compressed 1/3 in thickness.
- 06 * If the helmet is too tight remove the helmet and insert larger size (thinner) cheek pads. If the helmet is too loose remove the helmet and insert smaller size (thicker) cheek pads.
- 07 With the chin strap secured, put your hands flat on the back of the helmet and try and push the helmet off by rotating it forward.
- 08 Next, put your hands on the front of the helmet above your forehead (or on the chin guard) and try and push the helmet off by rotating it toward the rear. (See Fig. A)
- 09 If the helmet starts to come off in either the forward or rearward direction, do not use the helmet. Either the helmet is too large for you, or the chin strap is not tightened enough.
- 10 Take hold of the helmet with a hand on each side. Without moving your head, try to move the helmet up, down and side to side. You should feel the skin of your head and face being pulled as you try to move the helmet. (See Fig. B)
- 11 If you can move the helmet around easily, it is too big. Try a smaller size.



(Fig.A)



(Fig.B)

IF YOU HAVE QUESTIONS ABOUT THE FIT PLEASE ASK YOUR TROY LEE DESIGNS RETAILER FOR ASSISTANCE. REPEAT ALL THE ABOVE STEPS UNTIL YOU HAVE A PROPER FIT AND THE HELMET IS SECURELY FASTENED.

* Troy Lee Designs offer cheek pads, and linings that create a XS and XXL helmet. see www.troyleedesigns.com for more information.



WARNING

Always check for adequate vision, especially your peripheral vision (off to your sides while looking forward). For example, when helmets are used in conjunction with goggles or other eye coverings, vision restrictions can occur. Make sure your motorcycle or off road vehicle is equipped with left and right mirrors, and use them for peripheral vision and to enhance your forward vision of traffic and other riding hazards. It is the responsibility of each user to insure that he or she can see adequately with the helmet on prior to using it.

Never use a helmet or eye protection which restricts your vision so that you are unable to safely operate your vehicle. Failure to use proper eye protection can cause an accident and result in serious injury or death.

ALWAYS WEAR GOGGLES WHILE RIDING

All Troy Lee Designs helmets are designed for use with eye protection. If eye protection is not provided with the helmet, it is your responsibility to obtain eye protection and use it. Tinted face shields, goggles, or other forms of eye protection should not be used at night or under other conditions of poor visibility. Lenses damaged by scratches (or dirty lenses) will reduce visibility, especially at night or in low light or bright conditions and should be replaced. Petroleum products and other solvents may impair the optical properties and reduce the mechanical strength of shields and goggles.



(Fig. A)



(Fig. B)



(Fig. C)

01 Tightening the chin strap correctly is extremely important. If your chin strap is loose the shock of an impact may knock your helmet off, leaving your head completely unprotected. Do not use a helmet that can be rolled off the head with the chin strap fastened, since it may come off in an accident, resulting in death or serious personal injuries. Do not use a chin cup or wear the strap on the end of the chin. If the chin strap is not in the proper position [well under your chin next to your throat] or used properly, the helmet may come off in an accident, resulting in serious personal injuries or death

02 To securely fasten the D ring retention system, thread the end of the chin strap through the D rings only as shown in diagram (A) and pull it tight underneath your chin. (B).

03 Fasten the chin strap end snap on the D ring side as shown in Diagram (C) to secure the loose end of the chin strap with the red snap after completion of step one.

During use, occasionally make sure that the strap does not come loose while you ride.



///WARNING///

The visor can fracture under impact or in an accident. Do not use a helmet with a broken visor. Always wear eye protection. Only use a TLD approved visor and visor hardware on your helmet.

REMOVAL:

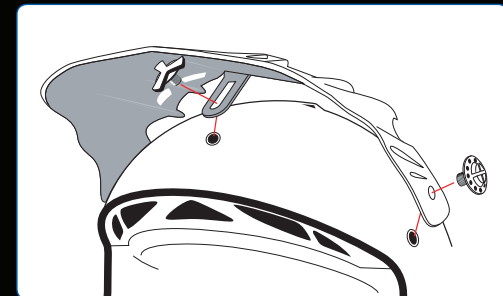
Remove side screws first then remove center hand screw.

INSTALLATION:

Before installation of visor, make sure threads in the helmet are in good condition and clear of any debris.

Position visor and install center screw first, then position and install side screws with washers positioned underneath the visor. In the inserts on the either side of the helmet. Take care not to cross thread screws or over tighten because this permanent damage to the helmet is not covered by warranty. Tighten all screws hand tight.

Occasionally tighten screws before you ride.





ACCESS SCREW FROM INSIDE

Only use TLD approved mouthpiece and mouthpiece hardware on your helmet.

REMOVAL:

Take out small screw on the inside of chin-bar. Lift upward and out.

INSTALLATION:

Align peg at bottom, push down and roll back into place then reinstall screw. Take care to align correctly before installation of mouthpiece. Foam filter can be installed inside or removed from the chin bar.

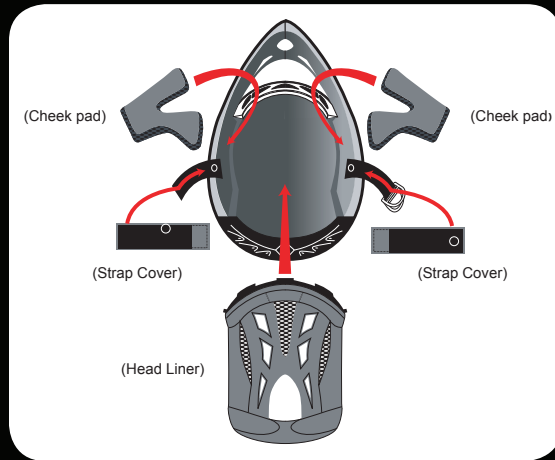
WARNING

Do not use any pads that are not specifically designed for this AIR helmet and sold by Troy Lee Designs. Aftermarket pads/liners (or original equipment pads that are worn out) may not fit properly (or be too thick or too thin) causing vision obstructions or helmet slippage which could result in severe injury or death. Do not use any kind of solvent such as contact cleaner, thinner or gasoline. Do not use any Comfort Liner parts that are broken or damaged.

Troy Lee Designs does sell individual cheek pads and liners for your helmet. To order cheek pads, or liners call (951) 371 5219, or log on to www.troyleedesigns.com

Padded lining, cheek pads (right & left) and strap covers (right & left) can be removed for cleaning. All Comfort Lining parts can be hand washed with mild soap such as dishwashing liquid and cold water. Pat dry with towel and then air-dry in shade before reinstalling.

Comfort Liner Parts

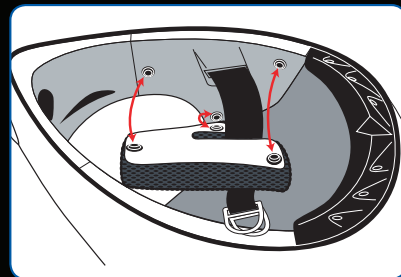


REMOVAL OF CHEEK PADS:

Cheek pads are attached by use of three (3) snaps. To release pull inward at front until snap disengages

Then pull the rear snaps and finally pull the top snaps.

Reverse order when reinstalling. Take great care to properly align snaps then push at that location until you hear a click.



REMOVAL AND INSTALLATION OF STRAP COVERS:

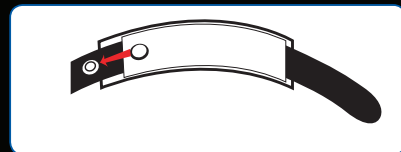
Strap Covers are held in place by use of a single snap located on the bottom side of strap near the base of the cover inside the helmet.

Cheek Pads must first be removed to get access to the snap.

With helmet bottom side up, reach through eye port and place index finger behind snap.

Lift and pull strap towards you

When reinstalling carefully align snap then press until you hear a click.



REMOVAL AND INSTALLATION OF HEAD LINING:

Head lining is attached by use of two (2) snaps at rear and five slotted tabs at the front.

TO REMOVE:

Start at the side, pulling inward until snaps disengage. (Fig. A)

At front carefully pull lining at one side working across to other side (A&E) until head liner is fully released.

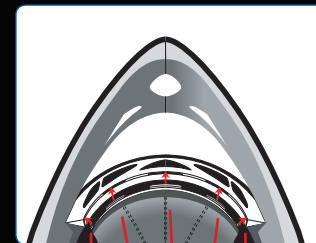
INSTALLATION:

First insert peg (A). then install tab (B). Align Center Tab (C) continue around to tab (D) finish by carefully inserting tab (E). Press firmly on all points to ensure fit

At back fasten snaps into place.



(Fig.A)



(Fig.B)

HELMET CARE

Helmets are energy absorbing devices intended to deform, fracture, crush, and collapse as they absorb energy generated by an impact. The Air helmet should be treated /handled carefully so that it will have all the available energy absorbing materials if you should ever need them. Your adult size Air helmet will give you years of good service if properly cared for.

Never decorate your helmet with paint, decals, stickers or tape. Use only mild soap and water to clean the outside or inside of your helmet including pads. Chemicals used in many cleaners can be harmful to the outer shell of your helmet. Frequently, this damage is not visible, and can result in premature fracturing of the shell when impacted.

Use only mild soap and water to clean the interior of your helmet. All of our models have removable liners. These liners can be washed by hand in a bucket with mild soap and water, rinsed, then air dried only. Remove odors by rinsing with a solution of bicarbonate of soda and water. Never use an oven or other heating source to dry the helmet. Temperatures in excess of 130F degrees can damage the energy absorbing inner liner. Do not allow the helmet to sit in a closed vehicle or in direct sunlight on hot day as temperatures can exceed 130F degrees. Never allow your helmet to come in contact with gasoline or other petroleum products, as this will cause serious damage to the energy absorbing liner and/or the outer shell of the helmet.

Troy Lee Designs helmets should not be painted by anyone other than Troy Lee Designs. Many helmet components can be seriously damaged by chemicals and/or solvents contained in most paint or by careless handling during the repair process. Do not sand or use any abrasive material on the helmet.

AIR HELMET WARRANTY:

Troy Lee Designs warrants to the original retail purchaser ("you") that the Troy Lee Designs product for which they received this warranty is free from defects in material and workmanship for ONE year from the date of original retail purchase. This warranty is not transferable to a subsequent purchaser. Troy Lee Designs sole obligation under this warranty is to repair or replace the product, at Troy Lee Designs discretion. Troy Lee Designs must be notified in writing of any claim under this warranty within 60 days of any claimed lack of conformity of the product, and with proof of purchase.

WARRANTY LIMITATIONS:

The duration of any implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise, on this product shall be limited to the duration of the express warranty set forth above. In no event shall Troy Lee Designs be liable for any loss, inconvenience or damage, whether direct, incidental, consequential or otherwise, resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to this product, except as set forth herein. Some states or countries do not allow limitation on how long an implied warranty lasts and some do not allow exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which may vary, from location to location. This warranty will be interpreted pursuant to the laws of the United States. The original English language version/meaning of this warranty controls over all translations and Troy Lee Designs is not responsible for any errors in translation of this warranty or any product instructions. This warranty is not intended to confer any additional legal, jurisdictional or warranty rights to you other than those set forth herein or required by law. If any portion of this warranty is held to be invalid or unenforceable for any reason, such finding will not invalidate any other provision. For products purchased in countries other than the United States please contact Troy Lee Designs authorized distributor in that respective country.

TO OBTAIN SERVICE UNDER THIS WARRANTY YOU MUST EITHER:

Bring or send your Troy Lee Designs Air Helmet, together with this warranty, the retail seller's original receipt or other satisfactory proof of the date of purchase to the retailer where you purchased the item. You can also send your Troy Lee Designs Air Helmet (with the return authorization number on the outside of the shipping container and affixed to the product), together with the retail seller's original receipt or other satisfactory proof of the date of purchase to: Troy Lee Designs Attn: Helmet Warranty Dept., 155 East Rincon, Corona, CA 92879 USA. You must obtain a return authorization number by calling Troy Lee Designs, at (909)371-5219 or sending an E-mail to warranty@troyleedesigns.com prior to returning the product to Troy Lee Designs.

Any postage, insurance or shipping costs incurred in sending your Troy Lee Designs product for service under either option above is your responsibility. Troy Lee Designs will not be responsible for products lost or damaged in shipping.

For products purchased in countries other than the United States please contact the Troy Lee Designs authorized distributor in the country where the product was purchased. They can be found on our website at www.troyleedesigns.com

Troy Lee Designs may require that you complete and sign a warranty replacement request form before processing your warranty claim.

CRASH REPLACEMENT POLICY:

Troy Lee Designs understands that accidents will happen. As a result, Troy Lee Designs will assist with the replacement of your helmet by providing a 30% discount off of Troy Lee Designs current suggested retail price in your respective country. All other provisions of this warranty apply and the procedures outlined for warranty service apply also to the accident replacement policy. Troy Lee Designs will make the final decision on whether the part will be covered under the crash replacement policy.

WARRANTY EXCLUSIONS

Retailers and sellers of Troy Lee Designs products are not authorized to modify this warranty in any way. It is your responsibility to regularly examine the product to determine the need for normal service or replacement. This warranty does not cover the following:

Helmets that have been involved in accidents, modified, neglected or poorly maintained, used for commercial purposes, misused or abused.

Damage occurring during shipment of the products (such claims must be presented directly to the shipper).

Damage to products resulting from improper assembly or repair, the use or installation of parts or accessories not compatible with the original intended use of the product, or the failure to follow the product warnings and usage instructions.

Damage or deterioration to the surface finish, aesthetics or appearance of the product.

The labor required to remove and/or re-fit and re-adjust the item covered by this warranty.

Normal wear to the product.

Any products for which the consumer does not follow the warranty procedures outlined above.

For the current version of this warranty please visit our website at www.troyleedesigns.com

(© OCTOBER 2008 Troy Lee Designs)

Included with the purchase of your TLD AIR Helmet

- (1) AIR Helmet
- (1) Set of left and right cheek pads
- (1) Head liner
- (1) Set of left and right strap covers
- (1) Vortex Visor®
- (2) Aluminum Cross top Screws
- (1) TRi Star Screw
- (1) Air Helmet Draw String bag
- (1) Instruction Book

If any of the above parts are missing consult the Troy Lee Designs dealer where helmet was originally purchased.

AIR REPLACEMENT PARTS LIST:

- air cheek pads
- air headliners
- air mouthpieces
- vortex visor
- air nose guard
- aluminum screws
- custom fit kit

To order parts contact:
Troy Lee Designs at 909-371-5219 or
log onto www.troyleedesigns.com

