ops-core®

FAST

HELMET SYSTEM

OPERATOR'S MANUAL

For FAST® Helmets with LockDown™ Liner System

This product is covered by one or more patents.
For more information visit **www.gentexcorp.com/patents**

TP0464

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TABLE OF CONTENTS

Introduction	4
Helmet System Components	5
Sizing Guide	6
Head-Loc Flex Retention Setup	7
Retention System Operation	8
LockDown™ Liner System	9
Accessory Integration	10
PowerPath™ ARC Rails	11
Cable Integration	12
Modular Bungee Shroud	13
Exterior Loop	14
Comms Headsets	15
Maintenance	16
Replacement Parts	17
Operator Notes	18
Warning & Warranty	19

INTRODUCTION

ABOUT YOUR OPS-CORE FAST HELMET SYSTEM

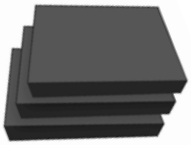
The Ops-Core® FAST® Helmet Systems are innovative and advanced headborne protection platforms offering a range of protection from blunt impact, frag, and ballistic threats. FAST Helmet Systems seamlessly integrate with Ops-Core total headborne system solutions including situational awareness, optical, and respiratory protection products.

AVAILABLE SHELL CUTS:

High Cut

Mid Cut

ACCESSORY KIT (INCLUDED):



NVG Mount Arm Bumper Kit

LockDown Fit Shim Kit

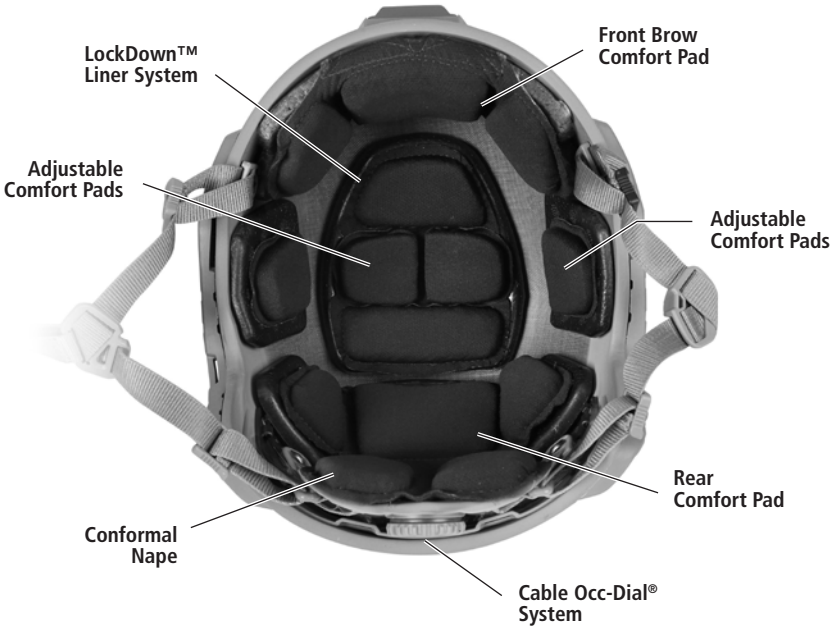
ARC Cable Management Clip

Cable Ties x10

Split Rings x6

Picatinny Adapter

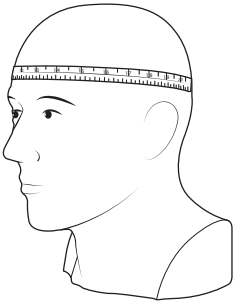
HELMET SYSTEM COMPONENTS



SIZING GUIDE

FAST helmets have been designed from the ground up to fit the largest group of users in helmet sizes that most closely match their heads. However, there is still a small percentage of users that will not fit our standard sizing configurations. Please use the sizing guide below to determine your helmet size and your chinstrap size.

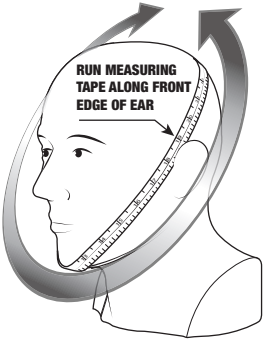
HELMET SIZING GUIDE



FAST HELMET SIZE	M	L	XL	XXL
Head Circumference (cm)	53 - 56	56 - 59	59 - 62	62 - 64.5
Head Circumference (in)	20⅞ - 22	22 - 23¼	23¼ - 24⅜	24⅜ - 25⅜
Head Size (US)	*up to* 7	*up to* 7⅜	*up to* 7⅝	*up to* 8⅛

CHINSTRAP SIZING GUIDE

Certain head shapes may require a smaller or larger chinstrap than the one that comes with the helmet you selected. The sizing guide is provided for reference. If you feel a different chinstrap size is needed, contact Ops-Core customer service.



FAST HELMET SIZE	CHINSTRAP SIZE (in)	
M	**MEDIUM**	**24.5-27.5**
L	**LARGE**	**26-29**
XL	**X-LARGE**	**27.5-30.5**
XXL	**XX-LARGE**	**29-32.3**

HEAD-LOC FLEX RETENTION SETUP

The Head-Loc Flex Retention system can be worn comfortably in under the chin and over the chin configurations. Follow the instructions listed below to correctly position the chin cup to fit your head shape.

Worn UNDER the Chin

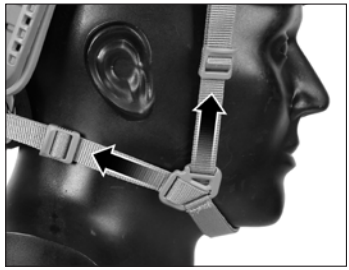
Worn OVER the Chin

1 POSITION THE CHINSTRAP

Position the chincup into the "under the chin" configuration as shown.

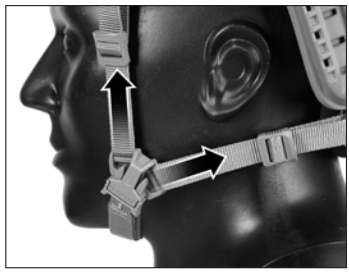
2 ADJUST THE HEXLOC SLIDER

Using the Hexloc slider, adjust the position of the chin cup so that it sits comfortably under your chin.



3 MATCH POSITION ON OPPOSITE SIDE

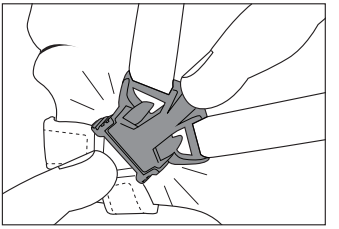
On the opposite side of the chinstrap, match the position of the female buckle to the position of the Hexloc slider.



RETENTION SYSTEM OPERATION

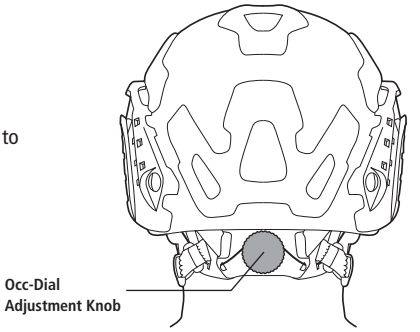
1 FASTEN THE CHINSTRAP

Put the helmet on and fasten the chinstrap buckle.



2 ADJUST THE OCC-DIAL

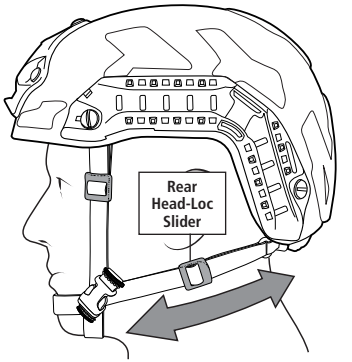
Use your thumb to rotate the Occ-Dial Adjustment Knob to tighten the Cable System until it is comfortably snug.



3 ADJUST REAR HEAD-LOC SLIDERS

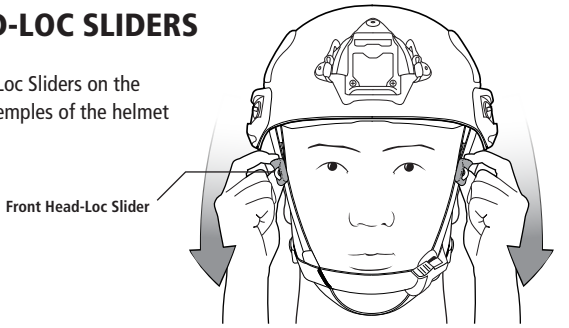
With both hands, pull the two Rear Head-Loc Sliders on the lower webbing straps toward your chin until snug.

NOTE: THE TECHNIQUE WORKS BEST IF YOU ONLY HOLD THE PLASTIC SLIDERS AND DON'T TOUCH THE WEBBING.



4 ADJUST FRONT HEAD-LOC SLIDERS

With both hands, pull the two Front Head-Loc Sliders on the webbing straps that come from the front temples of the helmet toward your chin until snug.

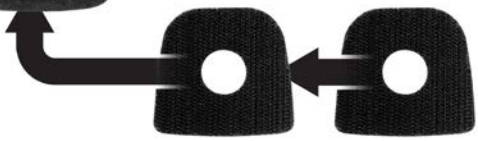


LOCKDOWN LINER SYSTEM

LOCKDOWN LINER SYSTEM SETUP

The LockDown Liner System offers unparalleled stability and comfort. Engineered for extended use with fully loaded helmets, it features an improved Occ-Dial adjustment system and a conformal nape. LockDown fit shims are available to optimize the helmet system's fit.

Comfort Pad



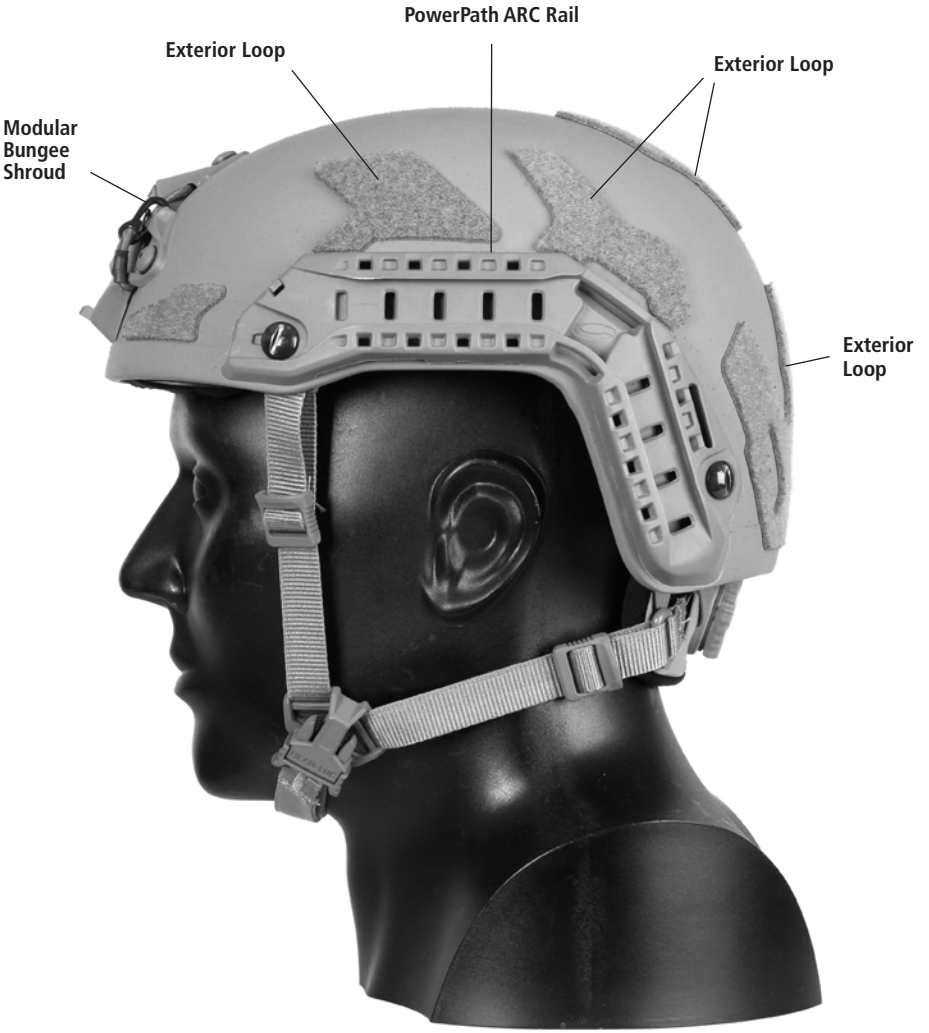
LockDown Fit Shims

LockDown Fit Shims can be added to or removed from the backs of the comfort pads to adjust for the best fit in all areas of the helmet. They can also be stacked for additional adjustment as shown.

ACCESSORY INTEGRATION

ATTACHING ACCESSORIES TO THE HELMET

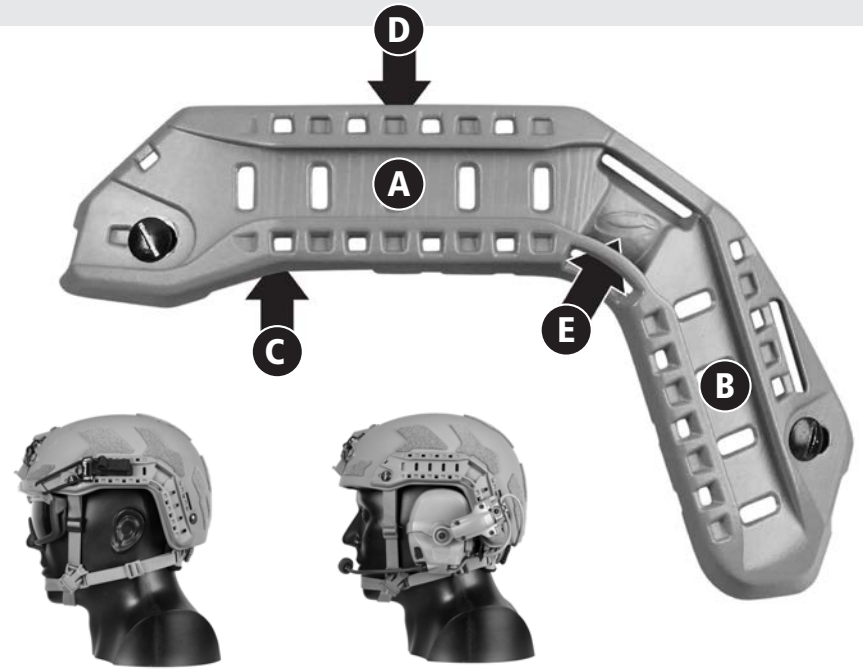
There are three ways of attaching accessories to the Ops-Core FAST Helmet: The PowerPath Accessory Rail Connectors (ARCs), Modular Bungee Shroud and Exterior Loop. These three components provide convenient and secure ways to quickly attach and detach various accessories to different positions.



POWERPATH ARC RAILS

ATTACHING ACCESSORIES TO THE RAILS

PowerPath ARC Rails are mounted to the sides of the helmet to allow for quick and secure donning or doffing of various headborne accessories. There are five main connection points for attaching accessories.



A **TOP RAIL**

Visors, lights, cameras, picatinny adapters, etc.

B **BACK RAIL**

AMP Headset Rail Adapters for bandless COMMs

C **LOWER RECEIVER**

FAST Mandibles and face protection accessories

D **UPPER RECEIVER**

Cable Management and Low Profile Ballistic Applique

E **RAIL CORNER**

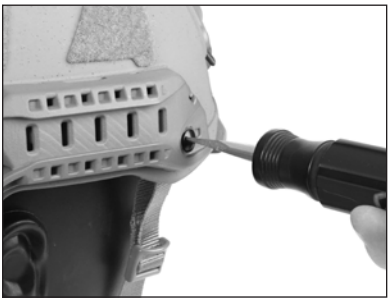
SOTR, Para-Flite and Carleton O2 masks with O2 Single Strap Kit

CABLE INTEGRATION

PowerPath ARC Rails provide a protective, snag-free cable management solution for NVG cables.

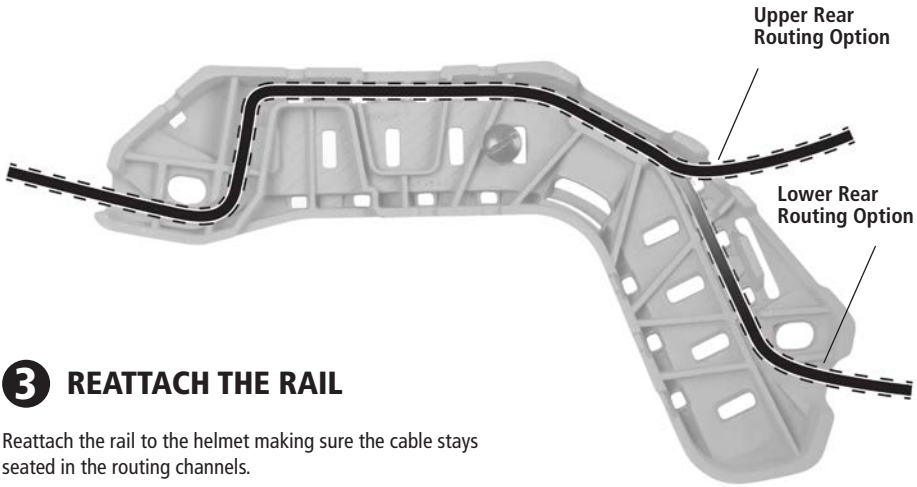
1 REMOVE POWERPATH ARCS

Use a screwdriver to remove the PowerPath ARC Rail from the helmet as shown.



2 ROUTE THE CABLE

Following the diagram below, route the cable through the underside of the PowerPath ARC Rail. The back of the rail has two options for exiting the cable from the rail (upper and lower).



3 REATTACH THE RAIL

Reattach the rail to the helmet making sure the cable stays seated in the routing channels.

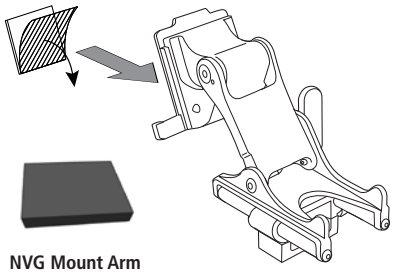
MODULAR BUNGEE SHROUD

ABOUT THE MODULAR BUNGEE SHROUD

The Modular Bungee Shroud (MBS) mounts to Ops-Core FAST helmets using the standard 3-hole pattern. The MBS has an integrated Night Vision Goggle (NVG) bungee that does not interfere with any other accessories, providing a low profile option for stabilizing NVGs. The MBS also has a removable metal insert that can be swapped out to provide different mounting solutions without completely removing the shroud from the helmet.

INSTALLING MOUNT ARM BUMPER

Peel of the backing and install a mount arm bumper onto the back of the mount arm plate. This will help reduce wiggle and/or vibration between the shroud, mount arm, and helmet.

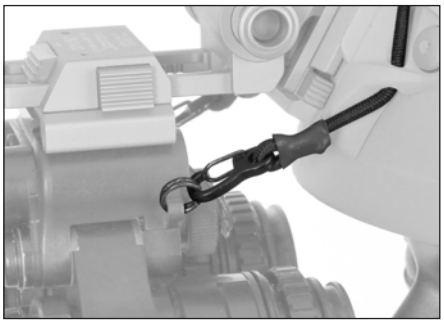


NVG Mount Arm Bumper (Included)

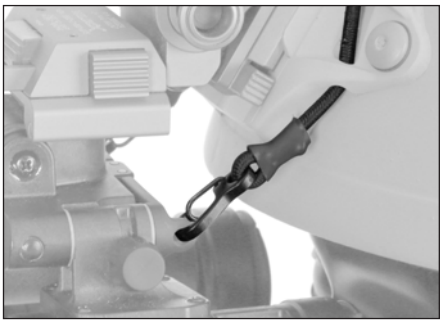
ATTACHING STABILIZING BUNGEES TO NVGS

Some NVGs may require the use of the included Split Rings to attach the carabiner bungee clips.

Split Rings (Included)



NVGs Attached with Split Rings



NVGs Attached without Split Rings

EXTERIOR LOOP

EXTERIOR LOOP ACCESSORY ATTACHMENT

Apply hook fastener to the bottom of a device and place device on top of the loop on the outside of the Ops-Core FAST Helmet shell.

Side Exterior Loop

Rear Exterior Loop

Exterior Loop Top View

COMMS HEADSETS

COMMS HEADSET INTEGRATION

The LockDown Liner System is compatible with a variety of comms headsets and hearing protection devices.

When using the helmet with a communications headset, remove the pads in the center channel of the Vented Lux Liner to allow room for the headset's headband.

MAINTENANCE

BEFORE AND AFTER EACH USE

Perform the following recommended maintenance procedures before and after each use. If any defects are found, the damaged components should be replaced before use.

1. Clean the helmet with a mild detergent and water.*
2. Check that the chinstrap screws are tight using a flathead screwdriver.
3. Clean the Exterior Loop for dust and dirt by using air pressure.
4. Visually check the Modular Bungee Shroud and PowerPath ARC Rails for signs of breakage.
5. Visually check the LockDown Liner System for signs of breakage.
6. Check that the Occ-Dial Adjustment Knob works properly.
7. Check that the chinstrap does not have any damage and that the buckle latches and releases properly.

*The whole helmet can be rinsed in fresh water.

RECOMMENDED REPLACEMENT SCHEDULE

Aside from any damage or defects, it is recommended that the following components be replaced following the schedule below.

Helmet Component / Assembly	Recommended Replacement Year				
	1	2	3	4	5
Comfort Pads		●	●	●	●
Impact Liner			●		
Chinstrap			●		
Hardware			●		
Exterior Loop					●
Shell					●

NOTE: Helmets frequently exposed to hot and humid conditions, or salt fog and spray conditions, may require more frequent inspection and maintenance/replacement due to the harshness of these environments.

REPLACEMENT PARTS

Our team of dedicated customer service and support professionals is highly trained on all aspects of our products and is available to assist you with all your needs, including checking the status of your order, billing, warranties and returns, orders, replacement parts, and technical support.

Ops-Core Customer Service
+1 888.894.1755
groundcs@gentexcorp.com

OPERATOR NOTES

⚠ WARNING

This helmet provides LIMITED protection for the head and does not offer any protection against neck, spinal, or certain types of brain injuries including those caused by rotational forces. Some hazards can exceed this helmet's specified ability to provide protection and could cause serious injuries or death. This helmet is made to absorb the energy of a blow by partial destruction or damage to the shell, liner and the harness, and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced. This helmet is designed to help protect from bumps, scratches, and concussion. This helmet is not intended for use in white water classes 5 and 6 as given by the International Canoe Federation. For adequate protection this helmet must be fit and adjusted properly to the user.

Inspect the helmet before each use. Make sure the shell components are not damaged, cracked, deformed, loose or showing signs of excessive wear. Do not remove or alter the front, top, side or back impact pads or modify any or the original component parts of the helmet, other than as recommended by the helmet manufacturer. Replacing the ½" thick impact pads with the supplied Ops-Core ¾" impact pads will not adversely affect impact performance. However, by removing the pads completely or repositioning them, impact attenuation performance could be adversely affected. Helmets should not be adapted for the purpose of fitting attachments in any way not recommended by the helmet manufacturer. Do not apply paint, solvents, adhesives, or self-adhesive labels except in accordance with instructions from the manufacturer as they could degrade helmet integrity and resulting performance. Clean shell with soap and lukewarm water. Internal comfort pads may be hand washed and air dried.

WARRANTY

Unless an individual product is covered by a separately issued warranty, Gentex warrants that all ballistic helmet shells will be free from defects in material or workmanship under normal use and service for a period of five (5) years from the date of delivery. Unless an individual product is covered by a separately issued warranty, Gentex warrants that all helmet components, accessories, peripherals, and parts will be free from defects in material or workmanship under normal use and service for a period one (1) year from the date of delivery. All repair covered by this warranty shall be performed at Gentex's factory, or other such warranty repair facilities of Gentex as designated by Gentex unless Gentex specifically directs that repair services be performed at another location. Any defect corrected and found to be within this scope of the warranty will be repaired by Gentex and all charges for labor and material will be borne by Gentex. If it is determined that either no fault exists in Gentex, or the damage to be repaired was caused by negligence of the user, its agents, employees or customers, you agree to pay all charges associated with each such repair. No statement, recommendation or assistance made or offered by Gentex through its representatives to the user, its agents, employees, or customers in connection with the purpose or intended use of any Gentex's product shall be or constitute a waiver by Gentex of any of the provisions of this warranty or change Gentex's liability under this warranty.

EXCEPT WHERE PROHIBITED BY LAW, THE WARRANTY DESCRIBED ABOVE CONSTITUTES THE SOLE WARRANTY MADE BY GENTEX EITHER EXPRESSED OR IMPLIED. THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED THAT EXTEND BEYOND THE FACE HEREOF, HEREIN, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL GENTEX BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES EVEN IF ADVISED OF SUCH DAMAGES, AND THE USER, ITS AGENTS, EMPLOYEES, OR CUSTOMERS REMEDIES SHALL BE LIMITED TO SOLELY TO THE REPAIR OR REPLACEMENT OF NONCONFORMING UNITS OR PARTS, WHICH AMOUNT SHALL NOT EXCEED THE TOTAL PURCHASE PRICE OF THE PRODUCT UNDER WARRANTY.

Any tampering, misuse or negligence in handling or use of the product renders the warranty void. Further, the warranty is void if, at any time, the user, its agents, employees or customers attempts to make any internal changes to any of the components of a product; if at any time the power supplied to any part of the product exceeds the rated tolerance; if any external device attached by the user, its agents, employees or customers creates conditions exceeding the tolerance of the product; or if any time the serial number plate is removed or defaced. OPERATION OF THE PRODUCTS THAT RENDERS THIS WARRANTY VOID WILL BE DEFINED TO INCLUDE ALL OF THE POSSIBILITIES DESCRIBED IN THIS SECTION, TOGETHER WITH ANY PRACTICE THAT RESULTS IN CONDITIONS EXCEEDING THE DESIGN TOLERANCE OF THE PRODUCTS.