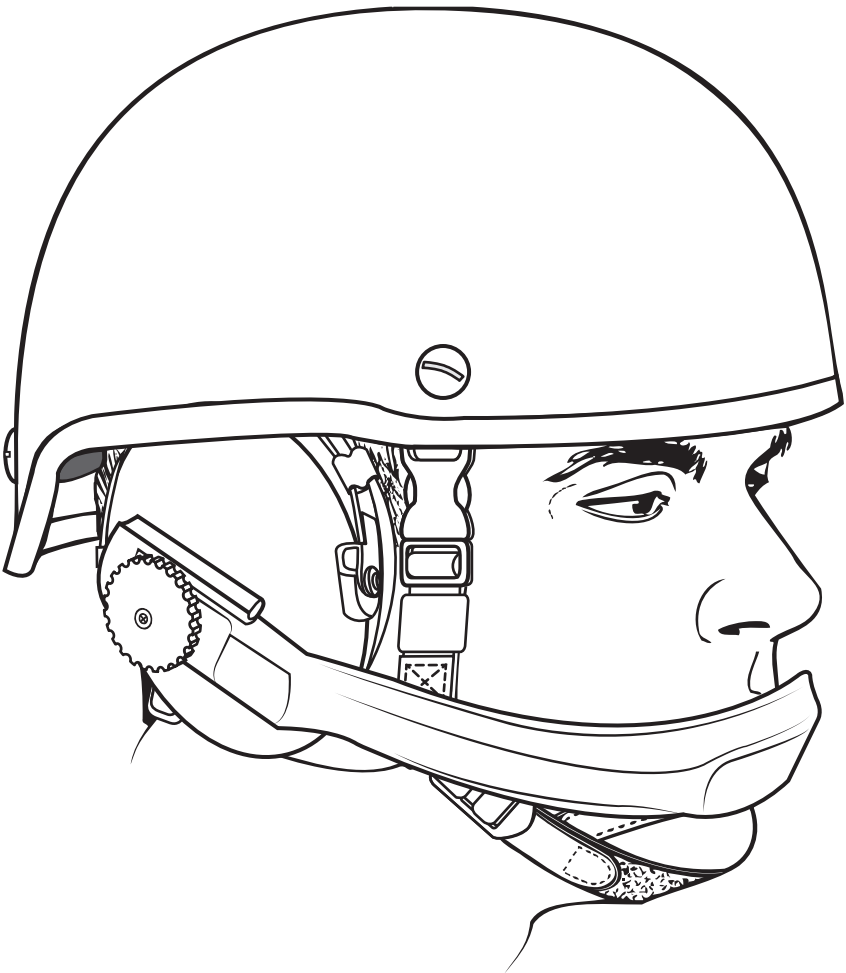


Care and Use Instructions

NAVSEA-Approved Phonetalker Type III Helmet





When you replace components or install additional components on Gentex products, always use genuine factory-new Gentex parts. This will ensure a correct fit and maintain the safety of the product. Use of non-Gentex parts (salvage, refurbished, etc.) for replacement or additional installation will void any product warranty and may compromise the safety of the user.

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PHONETALKER TYPE III HELMET

FEATURES

- The helmet (**Figure 1**) is designed to accommodate various headsets, including sound-powered headsets used on naval vessels.
- In addition to providing ballistic fragment protection, the helmet also provides ballistic protection against a 9mm 124 grain FMJ at minimum 1400 FPS velocity when tested per Product Specification 0902.
- A reduced profile provides expanded upward and peripheral field of view for improved situational awareness.
- A four-point adjustable retention assembly (with front release buckles for easy interface with headsets) provides stability and comfort.
- The water-resistant pad suspension system is designed for uniform compression, a snug fit, and compatibility with headband-style headsets.
- The helmet is a universal size in lusterless gray with a black retention assembly.

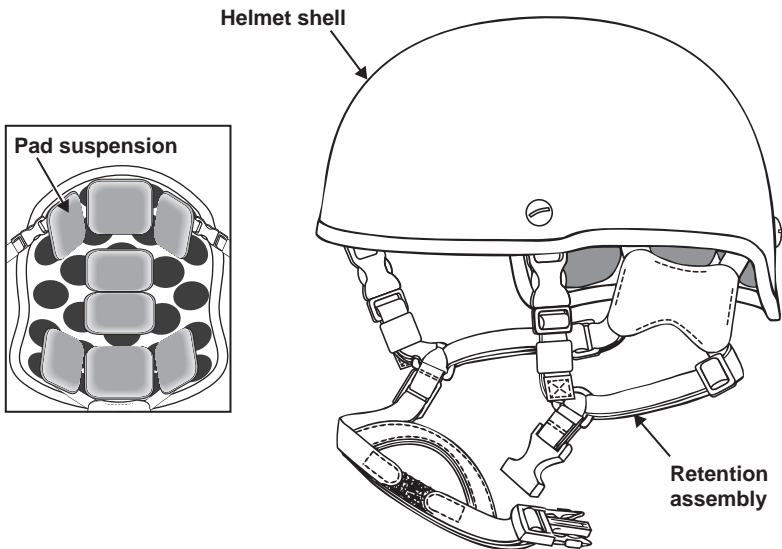


Figure 1. Phonetalker Type III Helmet

COMPONENT DESCRIPTION

Helmet Shell

The ballistic composite helmet shell (**Figure 2**) incorporates state-of-the-art materials to enhance protection with reduced weight.

Retention Assembly

The retention assembly (**Figure 2**) promotes stability and comfort. It includes an adjustable nape pad, an adjustable chin strap, and front and rear slide adjustments. A release buckle (on both front straps) can be fastened between the headset microphone and the wearer's head to aid in proper positioning of the microphone.

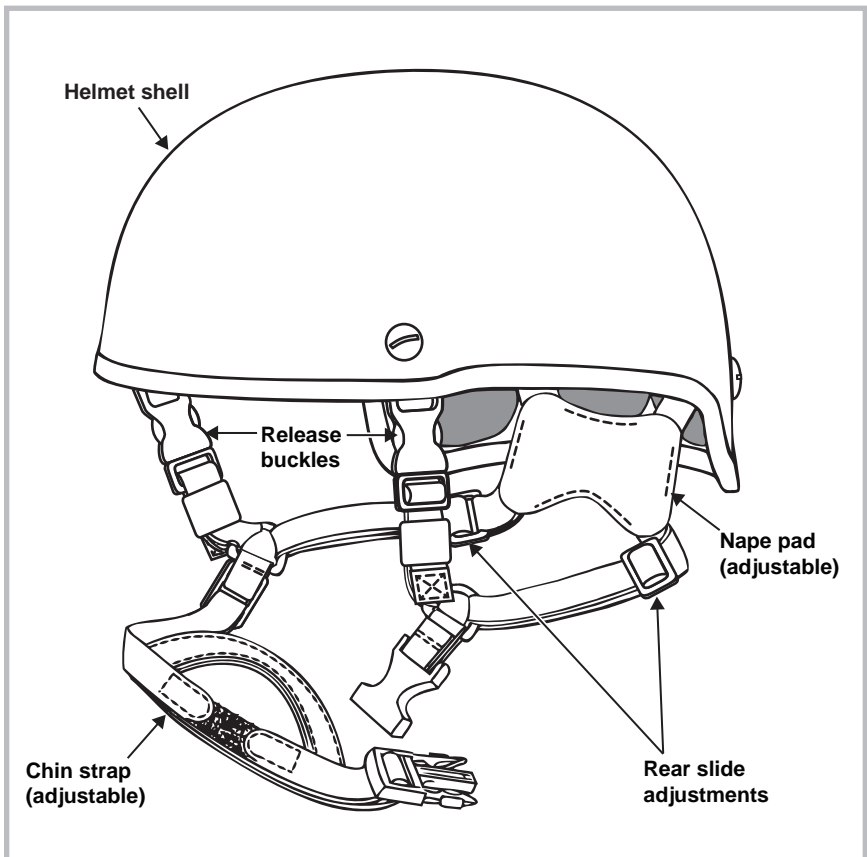


Figure 2. Helmet Shell and Retention Assembly

Pad Suspension System

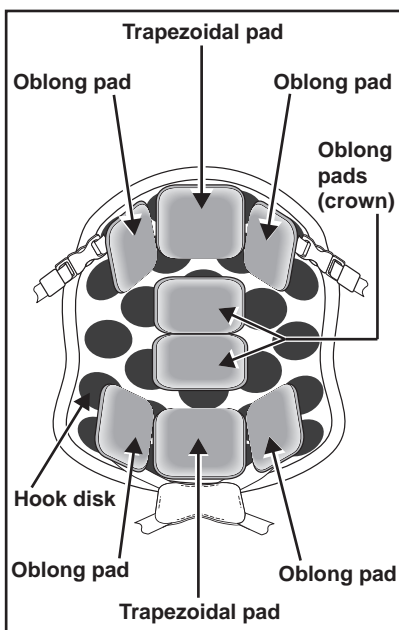
Your helmet is equipped with a pad suspension system (**Figure 3**), which consists of a set of eight water-resistant pads attached to hook disks on the inside of the helmet shell. The set contains two trapezoidal pads (one in center front and one in center back), and six oblong pads.

WARNING

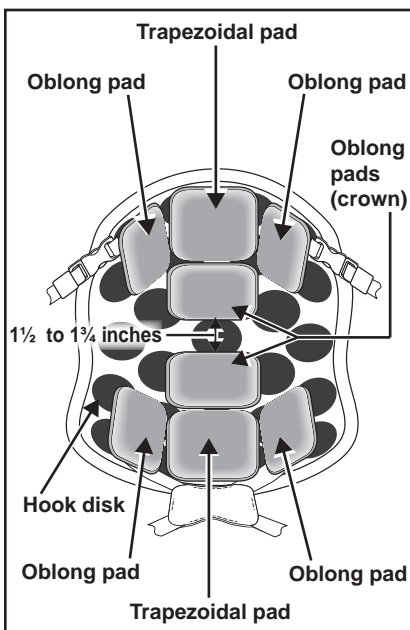
The helmet is impact-qualified using the standard pad configuration. This pad configuration provides the required impact protection at all required impact sites. Alternate pad configurations may not provide optimal protection at all required impact sites.

In the **standard** pad configuration, the two oblong pads in the crown (top) of the helmet are placed close together. In an **alternate** configuration, these two pads can be spaced $1\frac{1}{2}$ to $1\frac{3}{4}$ inches apart to accommodate a headset.

The **05D11950-5** pads ($\frac{3}{4}$ inch thick) are installed. The **05D11950-6** pads (1 inch thick) are optional. The differences in thickness allow for proper fit.



STANDARD CONFIGURATION



ALTERNATE CONFIGURATION

Figure 3. Pad Suspension System

HELMET FITTING

WARNING

Ensure that all helmet adjustment mechanisms are properly adjusted for a snug, secure fit at all times when the helmet is worn. Failure to do so can result in an unstable helmet that will not protect the wearer.

1. If necessary, space the two oblong pads in the crown (top) of the helmet $1\frac{1}{2}$ to $1\frac{3}{4}$ inches apart to accommodate the headset.
2. Don and adjust the headset according to the headset instructions.
3. Don the helmet over the headset and do the following:
 - a. On the side of the helmet closest to the headset microphone, unfasten the front strap buckle (**Figure 4**).
 - b. Position the front strap behind the microphone, and fasten the front strap buckle (**Figure 5**).
 - c. If necessary, unfasten, reposition, and fasten the other front strap for proper interface with the headset.
 - d. Leave the chin strap unfastened for now.

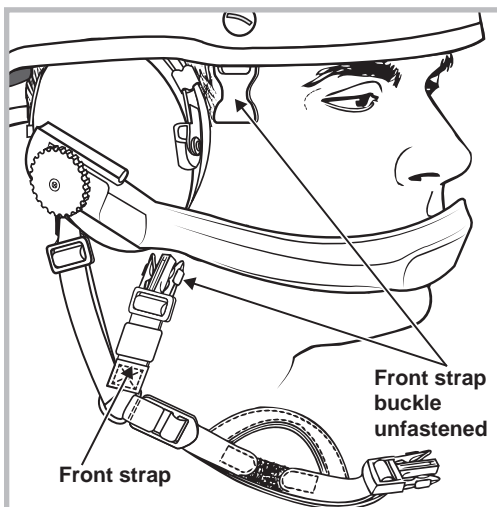


Figure 4. Front Strap Unfastened

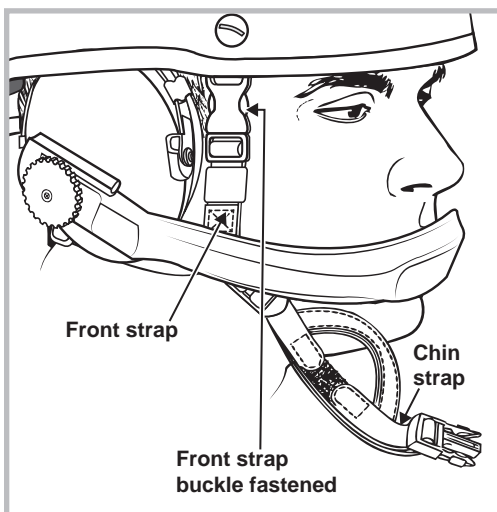


Figure 5. Front Strap Behind Microphone

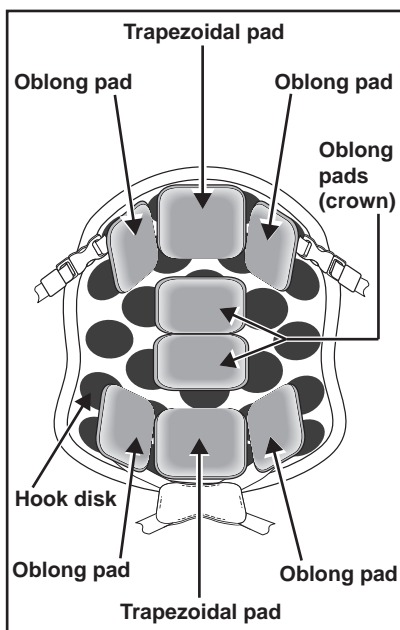
(Continued on next page)

4. Allow the helmet to settle on the head for a few minutes before checking the height of the helmet on the head. Ensure that the front edge of the helmet is positioned just above the eyebrows. If it is not, do one of the following:
- If the 1-inch-thick pads are installed and the helmet is too high, remove the 1-inch-thick pads and install the $\frac{3}{4}$ -inch-thick pads as shown in **Figure 6**. Ensure that the pads are firmly attached to the hook disks.
 - If the $\frac{3}{4}$ -inch-thick pads are installed and the helmet is too low, remove the $\frac{3}{4}$ -inch-thick pads and install the 1-inch-thick pads as shown in **Figure 6**. Ensure that the pads are firmly attached to the hook disks.

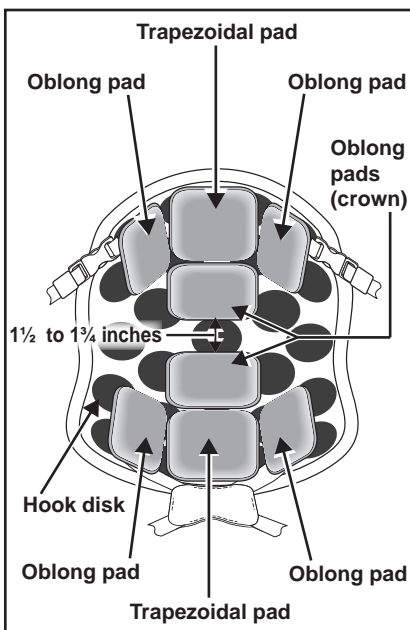


The helmet is impact-qualified using the standard pad configuration. This pad configuration provides the required impact protection at all required impact sites. Alternate pad configurations may not provide optimal protection at all required impact sites.

(Continued on next page)



STANDARD CONFIGURATION



ALTERNATE CONFIGURATION

Figure 6. Pad Suspension System

5. Referring to **Figure 7**, do the following:
- Buckle the chin strap.
 - Adjust the nape pad for a snug, secure, comfortable fit at the nape by moving the two rear slide adjustments.
 - Tighten the chin strap by pulling on the ends until the fit is snug, secure, and comfortable. Reattach the ends to the pile fastener when the desired fit is attained.

(Continued on next page)

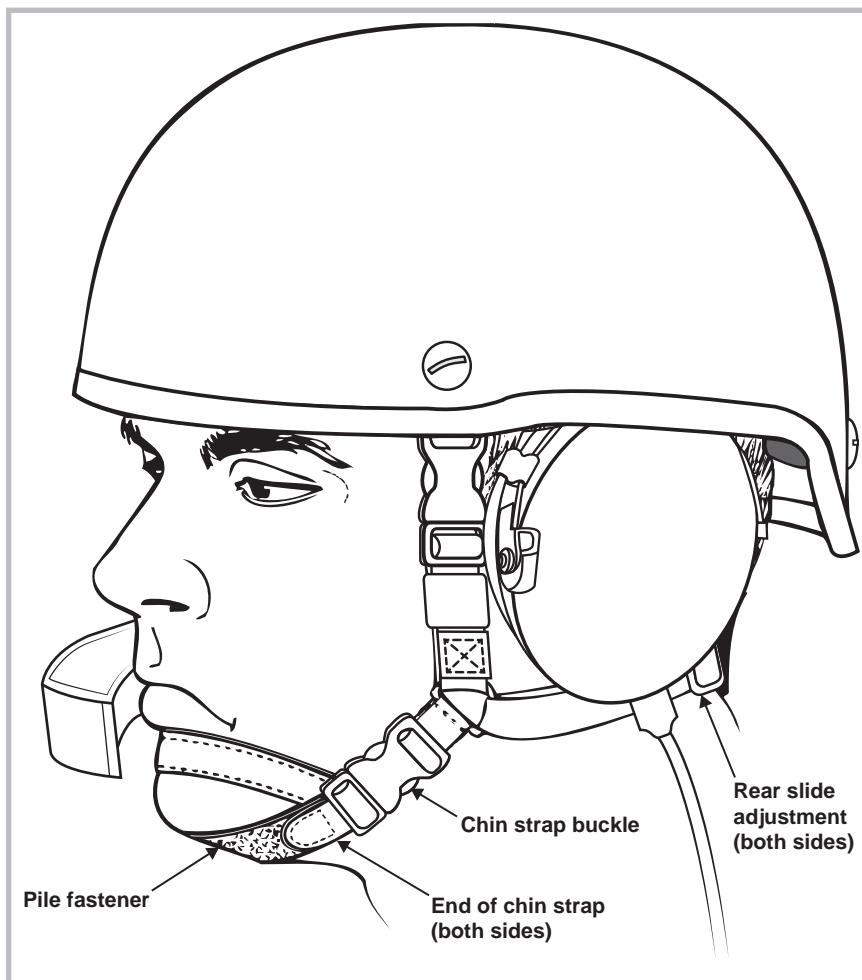


Figure 7. Chin Strap and Slide Adjustment

6. Referring to **Figure 8**, do the following:
 - a. If the front retention straps seem too long or too short, adjust the straps by pulling them up or down as needed.
 - b. If necessary, reposition the nape pad by sliding it up or down the straps.
7. Check the helmet stability by attempting to rock the helmet back and forth on the head. If the helmet rocks back and forth, it is not stable. Adjust the nape pad further until the helmet is stable.
8. Repeat Steps 1 through 7 as necessary. Recheck helmet stability; no straps should be loose.
9. To doff the helmet, unbuckle the chin strap and the front straps.

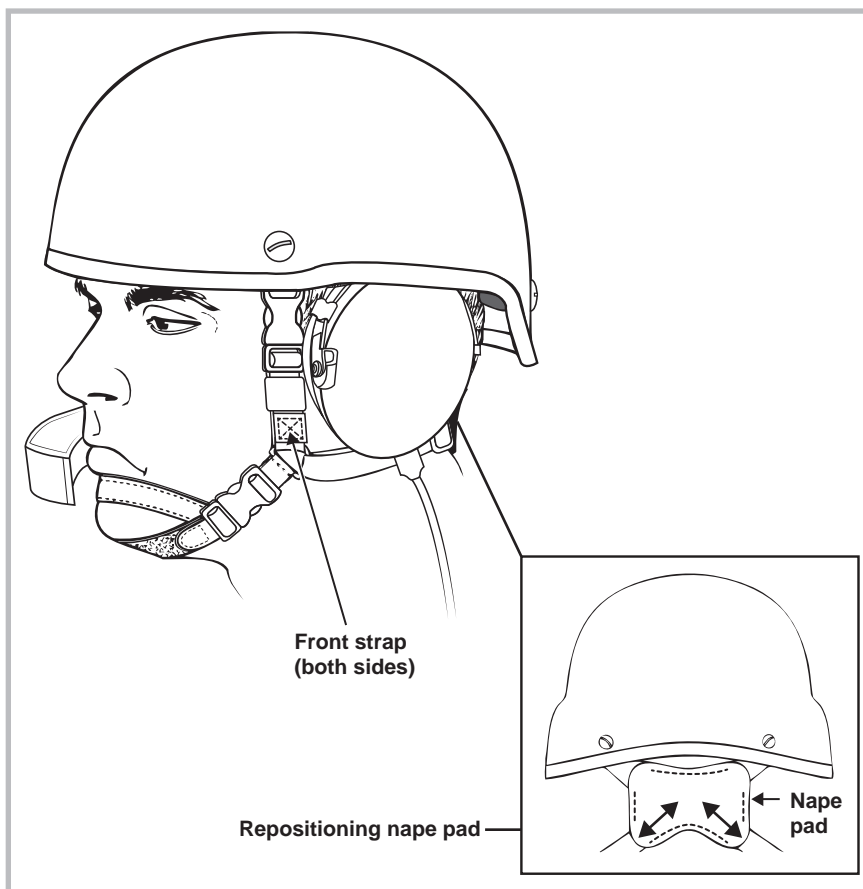


Figure 8. Adjusting Front Straps and Nape Pad

MAINTENANCE

Maintenance tasks include preventive maintenance checks, cleaning, and troubleshooting.

Preventive Maintenance Checks

Perform preventive maintenance before and after using the helmet. For helmets that have not been used, perform preventive maintenance once a year. **Table 1** lists the preventive maintenance tasks for each component and refers you to the appropriate procedure.

Table 1. Preventive Maintenance Checks

COMPONENT	EXAMINE FOR:	HELMET IS NOT READY IF:
Chin strap	Broken buckles; torn or frayed webbing; worn hook/pile fasteners	Buckles are broken; webbing is torn or frayed; hook/pile fasteners do not secure
Pads	Worn hook/pile fasteners or foam; torn fabric or seams	Hook/pile fasteners or foam are worn; fabric or seams are torn
Retention Assembly	Torn/frayed webbing; broken nape strap buckles; worn nape pad; worn buckle pad	Webbing is torn or frayed; nape strap buckles are broken; nape pad is worn; buckle pad is worn
Helmet Shell	Holes, cracks, or delaminations greater than 2 inches	Helmet shell has holes, cracks, or delaminations greater than 2 inches

Cleaning

Clean the helmet as needed. **Table 2** lists the cleaning procedure for each of the helmet components.

Table 2. Cleaning

COMPONENT	PROCEDURE
Helmet Shell	Wipe clean with damp cloth.
Leather Components	Clean with soap, rinse thoroughly, wipe dry with clean cloth.
Retention Assembly	Wipe clean with damp cloth.
Pads	Hand-wash or machine-wash with mild detergent in cold water. Allow to air-dry. <i>Do not machine-dry.</i>

Troubleshooting

Listed below are the troubleshooting tasks for each component, along with the appropriate repair procedure.

1. Malfunction: **Unable to fasten or adjust chin strap**

 Test/Inspection: Inspect chin strap for defective webbing, buckles, or hook/pile fasteners.

 Corrective Action: Replace chin strap as on Page 10.

2. Malfunction: **Unable to attain/maintain helmet stability**

 Test/Inspection: Inspect retention assembly for defective buckles, worn buckle pads, torn/frayed webbing, or worn nape pad.

 Corrective Action: Replace nape pad as on Page 11, or replace retention assembly as on Page 12.

3. Malfunction: **Helmet shell appears damaged.**

 Test/Inspection: Inspect helmet shell for holes or cracks.

 Corrective Action: Obtain new helmet.

NOTE: The helmet shell has a useful life of approximately 15 years.

COMPONENT REPLACEMENT

Replaceable components include the chin strap, the nape pad, the retention assembly, and the pad suspension assembly.

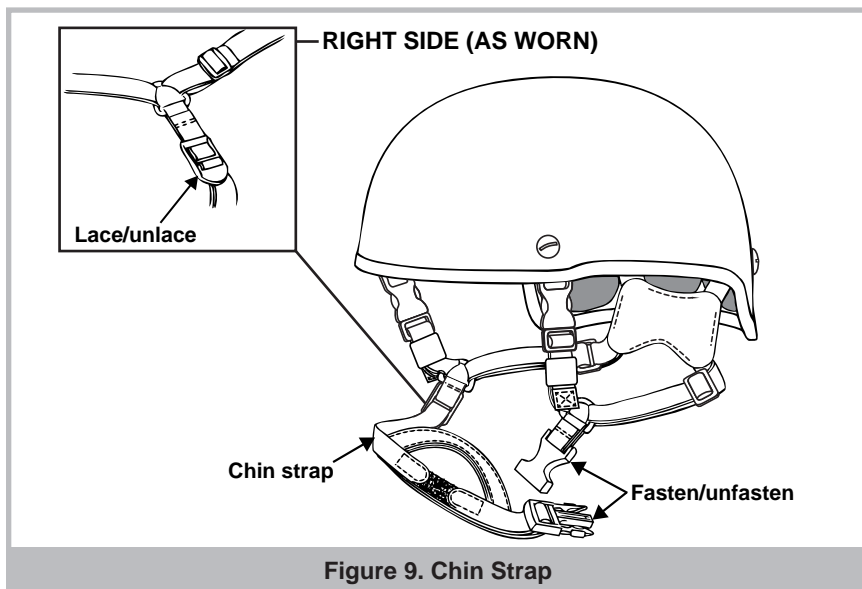
Replacing Chin Strap

Removal

1. Referring to **Figure 9**, unfasten the chin strap buckle on the left side (as worn) of the retention assembly.
2. Unlace the chin strap from the right side (as worn) of the retention assembly.

Installation

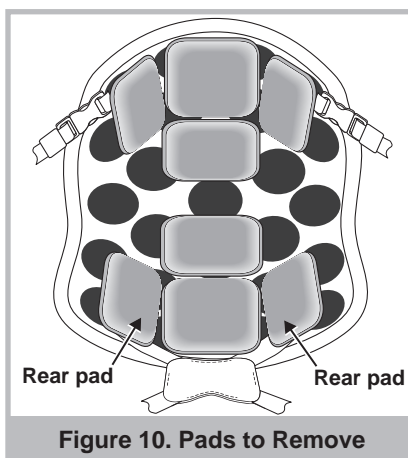
1. Lace the replacement chin strap through the buckle on the right side (as worn) of the retention assembly.
2. Don the helmet. Fasten the chin strap to the buckle on the left side (as worn) of the retention assembly.
3. Check the helmet fit in accordance with **HELMET FITTING**, beginning on Page 4. Make any necessary adjustments.



Replacing Nape Pad

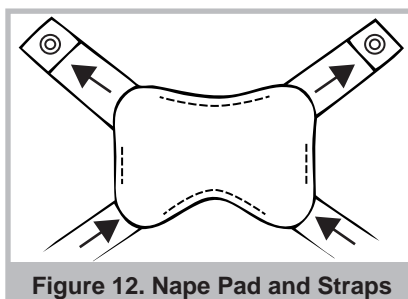
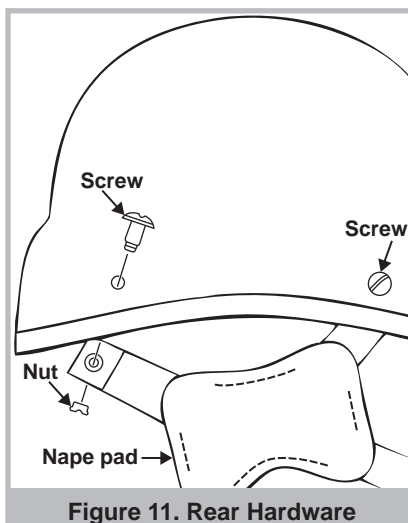
Removal

1. Referring to **Figure 10**, remove the rear pads as necessary to reach the attaching hardware of the retention assembly on the inside of the helmet, noting pad position.
2. Referring to **Figure 11**, remove the two rear screws and nuts attaching the rear retention assembly straps to the helmet.
3. Remove the straps from the nape pad.



Installation

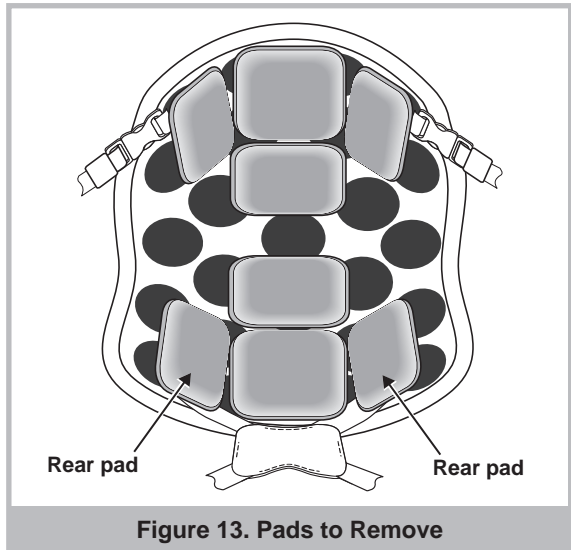
1. Referring to **Figure 12**, install the replacement nape pad as follows:
 - a. Insert the left rear strap through the bottom left opening in the nape pad, and then through the top right opening.
 - b. Insert the right rear strap through the bottom right opening of the nape pad, and then through the top left opening.
2. Referring to **Figure 11**, reattach the retention straps to the rear of the helmet with the two rear screws and nuts you removed previously.
3. Referring to **Figure 10**, reinstall the rear pads in the positions from which they were removed.
4. Check the helmet fit in accordance with **HELMET FITTING**, beginning on Page 4. Make any necessary adjustments.



Replacing Retention Assembly

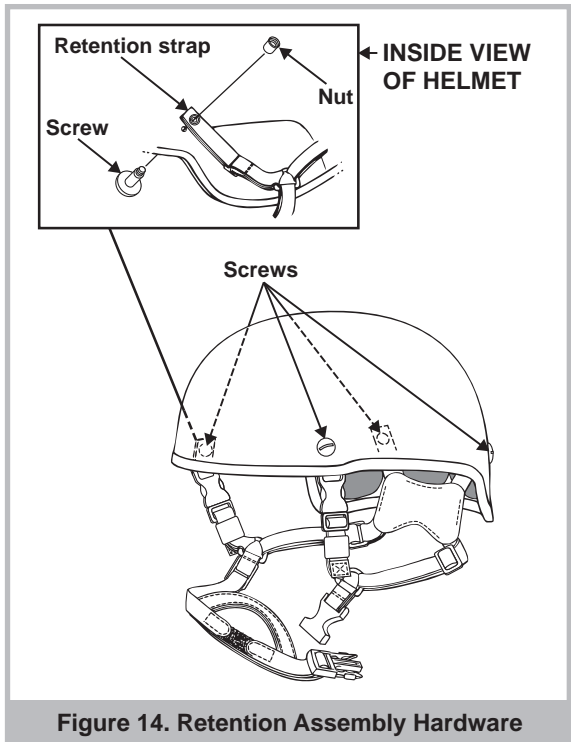
Removal

1. Referring to **Figure 13**, remove the front and rear pads as necessary to reach the attaching hardware of the retention assembly on the inside of the helmet, noting the position of the pads.
2. Referring to **Figure 14**, remove the four screws and nuts attaching the retention assembly to the helmet.



Installation

1. Install the replacement retention assembly with the screws and nuts.
2. Reinstall the front and rear pads in the positions from which they were removed.
3. Don the helmet, and check the fit in accordance with **HELMET FITTING**, beginning on Page 4. Make any necessary adjustments.



Replacing Pad Suspension Assembly

Removal

Referring to **Figure 15**, remove the pads from the helmet, noting their position and orientation in the helmet. Also note the pad thickness (05C11950-5 is $\frac{3}{4}$ inch thick; 05C11950-6 is 1 inch thick).

Installation



WARNING

The helmet is impact-qualified using the standard pad configuration. This pad configuration provides the required impact protection at all required impact sites. Alternate pad configurations may not provide optimal protection at all required impact sites.

1. Referring to **Figure 15**, install the replacement pads (of the same thickness) in the helmet. Ensure that the pads are firmly attached to the hook disks.
2. Don the helmet, and check the fit in accordance with **HELMET FITTING**, beginning on Page 4. Make any necessary adjustments.

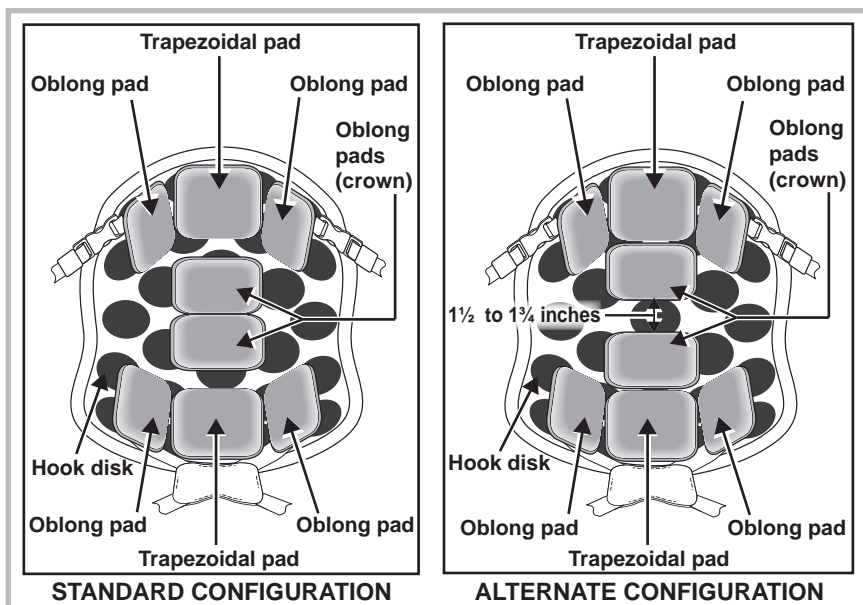


Figure 15. Pad Suspension System

PARTS LIST

Below is a parts list for the Phonetalker Type III Helmet. The parts list corresponds to the components shown in **Figure 16**.

For more information, contact Gentex Corporation, P.O. Box 315, Carbondale, PA 18407, phone (570)282-3550, fax (570)282-8555, www.gentexcorp.com.

NAVSEA-Approved Phonetalker Type III Helmet
Gentex part number A13627-3L3
National Stock Number (NSN) 8470-01-592-5765

ITEM	COMPONENT	QTY.	PART NUMBER
1	Helmet shell, lusterless gray	1	A13245-4
2	Retention assembly, black	1	A13755-3
3	Pad suspension, 3/4 inch thick (installed)	1	C11950-5
	Pad suspension, 1 inch thick	1	C11950-6
4	Screw, shoulder	4	B12190-1
5	Nut, conic	4	B11815-1
	Instruction Booklet	1	TP0360

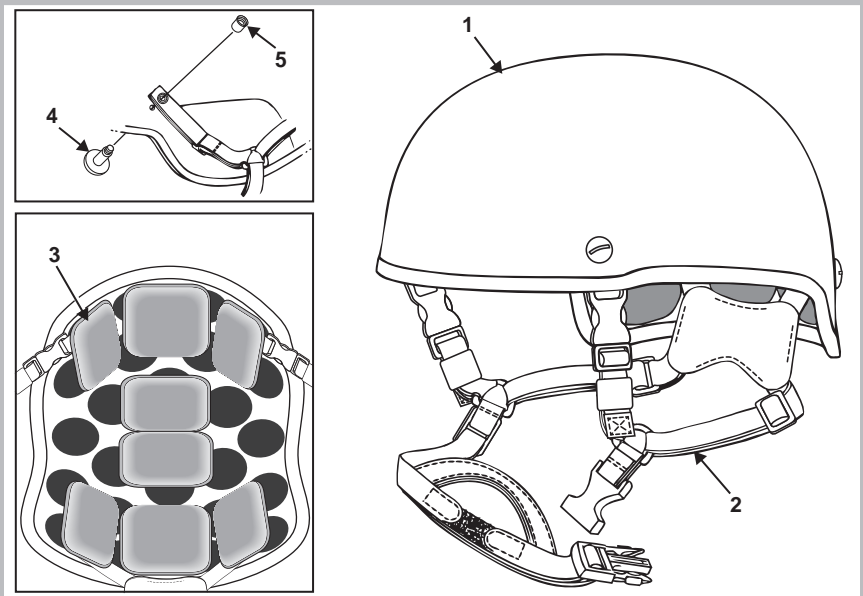


Figure 16. Phonetalker Type III Helmet

