

**DLX PADDED SUSPENSION KIT
APOLLO 20
O. M. 25290**

**MC FILE NUMBER: 2346-0708
DATE OF ISSUE: 05/09
REVISION:**

! WARNING

Do not proceed with these instructions until you have READ the orange cover of this MANUAL and YOU UNDERSTAND its contents. * These WARNINGS are included for the health and safety of the operator and those in the immediate vicinity.

***If you are using a Clemco Distributor Maintenance and Part Guide, refer to the orange warnings insert preceding the Index before continuing with the enclosed instructions.**

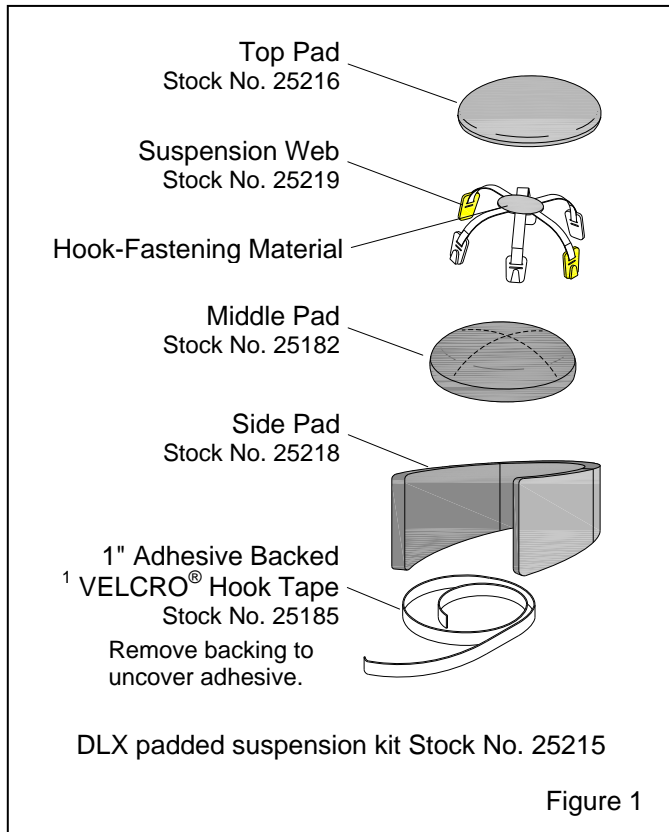
Electronic files include a Preface containing the same important information as the orange cover.

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1.0 INTRODUCTION

1.1 These instructions explain how to install the padded suspension in an Apollo 20 respirator. Refer to Section 2.0 on this page to replace existing padding, or refer to Section 3.0 beginning on page 2, to convert from the web suspension to the padded suspension. Kit items are shown in Figure 1. Use these instructions along with the respirator owner's manual.



2.1.4 To remove the top pad, hold the air baffle in place, and pull the pad to separate it from the baffle.

2.1.5 Inspect the chin strap and air baffle. Replace if are worn or damaged, before installing the new suspension. **Refer to Section 3.2 and 3.4 to apply hook tape to a new air baffle.**

2.2 Install New Suspension Pads

2.2.1 Make sure the air baffle partition is correctly located, before installing the top pad.

2.2.2 Align the top pad and press the center of the pad to secure it to the hook-tape in the middle of the baffle.

2.2.3 Place the suspension web under the chin strap and then secure the suspension by inserting the plastic tabs into their respective mounts; the yellow tabs go on the side mounts. The tabs must fully seat in the mounts.

2.2.4 Align the middle pad so the elastic cord is toward the back, and the center of the pad is centered to the suspension web. Press the pad to engage the fastener strip, minor repositioning may be needed to fully seat the pad.

2.2.5 Place the Velcro receptive green side of the side pad against the helmet shell; the black side faces the operator's head. Attach it by pressing it onto the fastener strips. Reposition as needed to follow the contour of the helmet shell.

2.2.6 Reattach the cape and accessories.

2.0 REPLACING SUSPENSION PADS

2.1 Remove Old Suspension Pads

2.1.1 Remove the breathing tube and cape.

2.1.2 All pads are held in place with strips of adhesive backed, hook-fastener material. Remove the side and middle pads by pulling them free of the hook-fastener strip.

2.1.3 Remove the suspension web, by extracting the plastic tabs from the mounting slots in the helmet shell. While holding the top pad in place, pull the webbing to separate it from the top pad.

¹ VELCRO® refers to VELCRO® brand hook and loop fastener
VELCRO® is a registered trademark of VELCRO Industries B. V.

3.0 CONVERTING to PADDED SUSPENSION

3.1 Removing Old Suspension and Sweatband

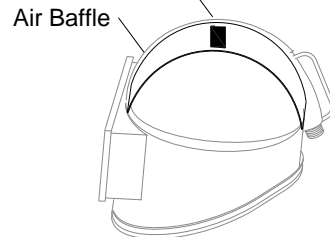
3.1.1 Remove the breathing tube and cape, and then remove and discard the old web suspension.

3.1.2 Inspect the chin strap if worn or damaged, replace it before installing the new suspension.

3.2 Positioning Top Pad; Refer to Figure 2

3.2.1 Make sure the air baffle is in place.

3.2.2. Cut a 2" strip of hook tape. Remove backing, and position the tape at the highest spot on the baffle.



3.2.3. Align the top pad and press the center of the pad to secure it to the hook-fastener strip in the middle of the baffle.

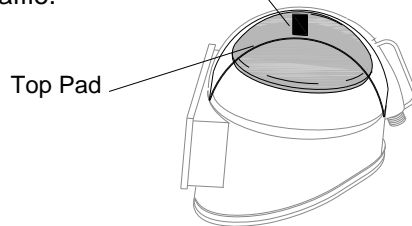


Figure 2

3.3 Install Suspension Web; Refer to Figure 3

3.3.1 Position the suspension straps under the chin strap (not shown).

3.3.2 Secure the suspension web by inserting the tabs into their respective helmet shell mounts (yellow tabs in side mounts). Apply pressure at the center to seat tabs.

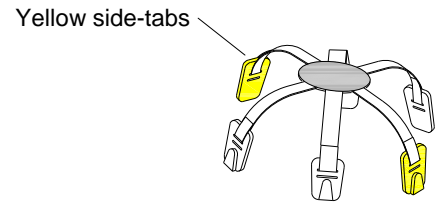


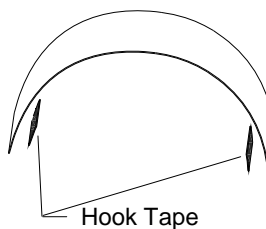
Figure 3

3.4 Install Middle Pad; Refer to Figures 4 and 5

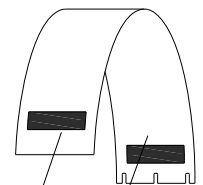
3.4.1 The illustration is shown without the helmet for clarity. Make sure the baffle remains in place inside the helmet.

3.4.2 Cut two 2" strips of hook tape.

Side view of air baffle



Front view of air baffle

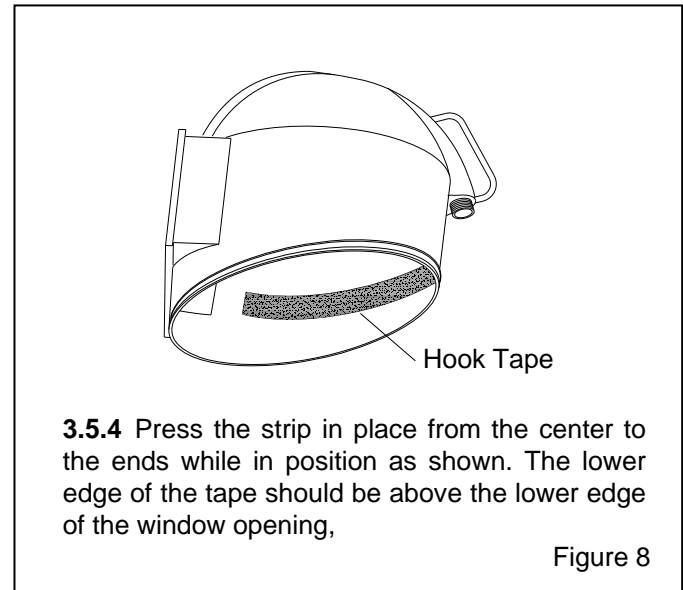
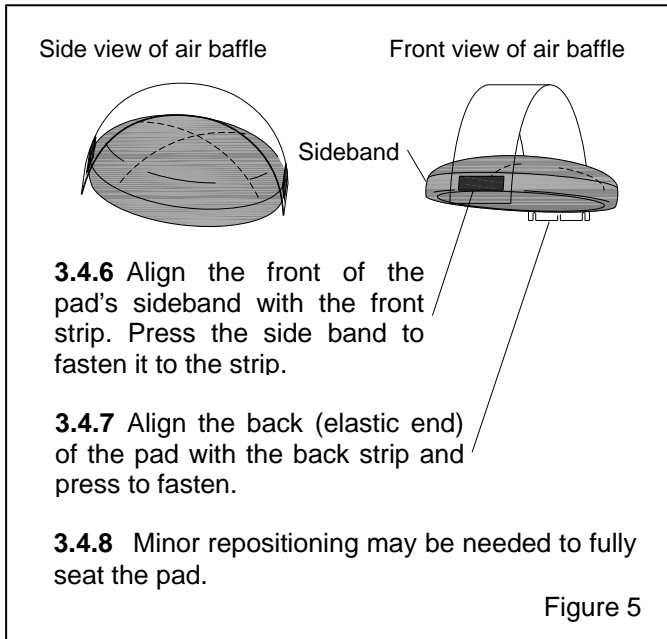


3.4.3 Remove the backing from one, and center it on the front inward side of the air baffle approximately 1" from the front edge.

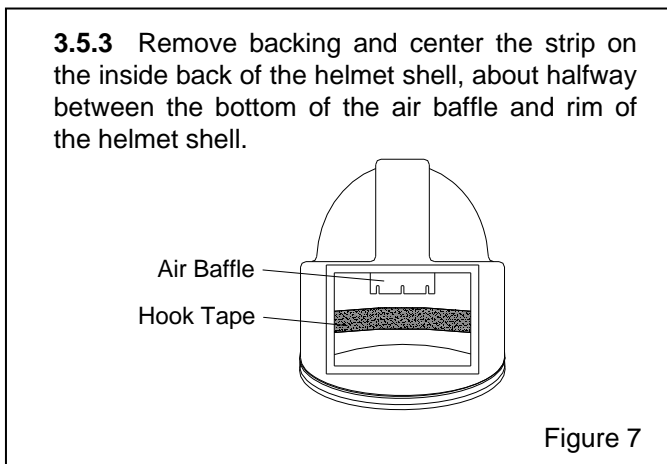
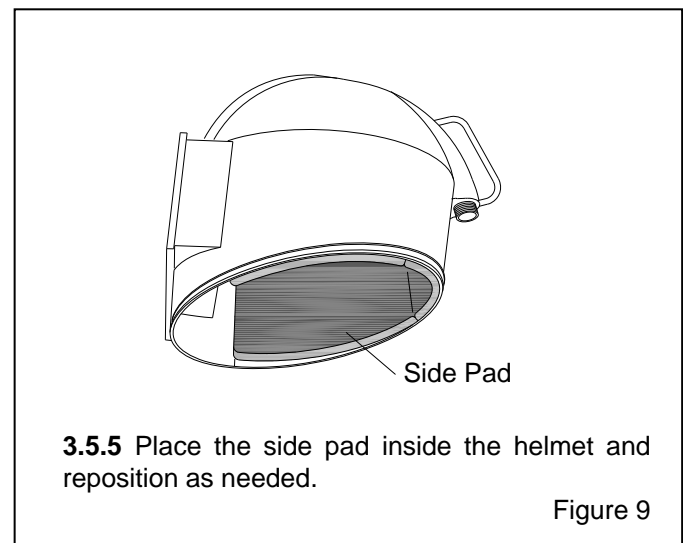
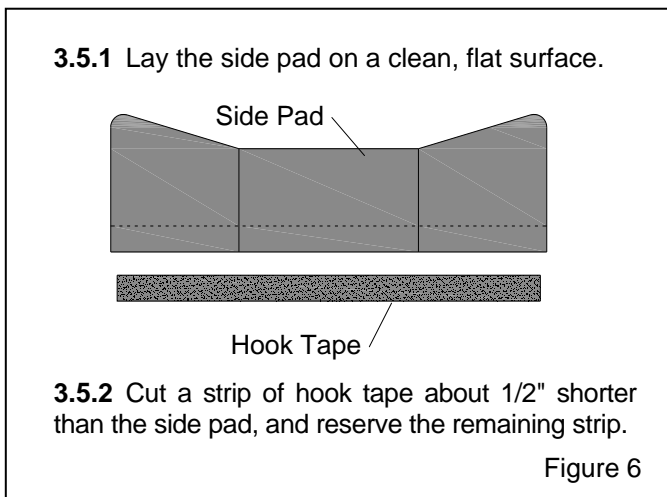
3.4.4 Apply second strip to back of baffle, approximately 3/4" from the back edge.

Figure 4

3.4.5 Align the middle pad so the elastic cord is toward the back, and the center of the pad is centered to the suspension web (not shown).



3.5 Install Side Pad; Refer to Figures 6, 7, & 8



3.5.6 Cut pieces from the reserve strip and place where and if needed to further secure the side pad.

3.6 Reattach the cape and accessories.

4.0 Refer to the owner's manual for liner inspection and maintenance.