

Figure U/4



Figure U/3

Figure U/5 - UPRIGHT



JAY M. WRIGHT, PE
HEAD RESTRAINT

Figure U/6



Figure R/3 - RECUMBENT

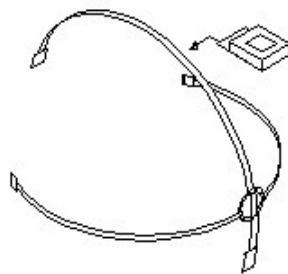
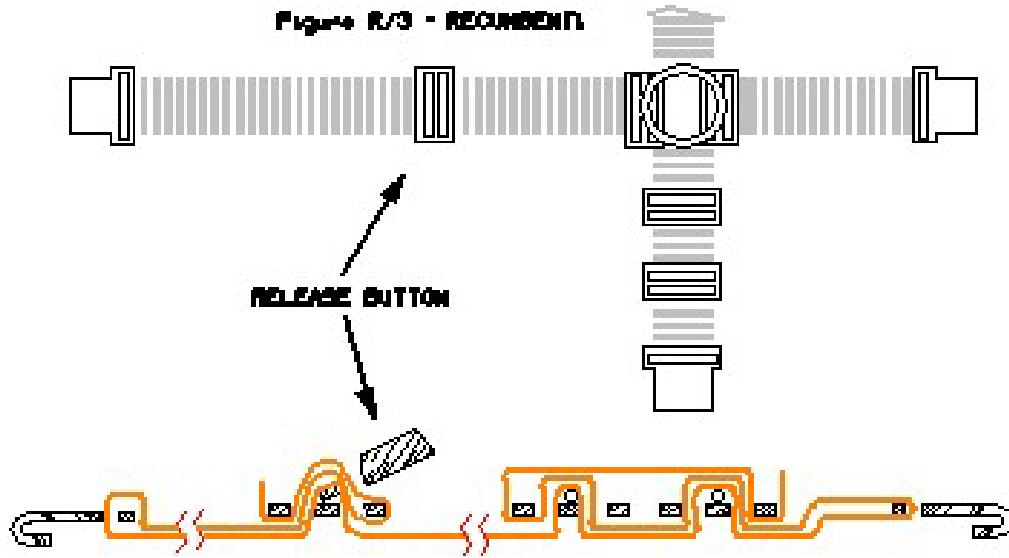


Figure R/1 - RECUMBENT

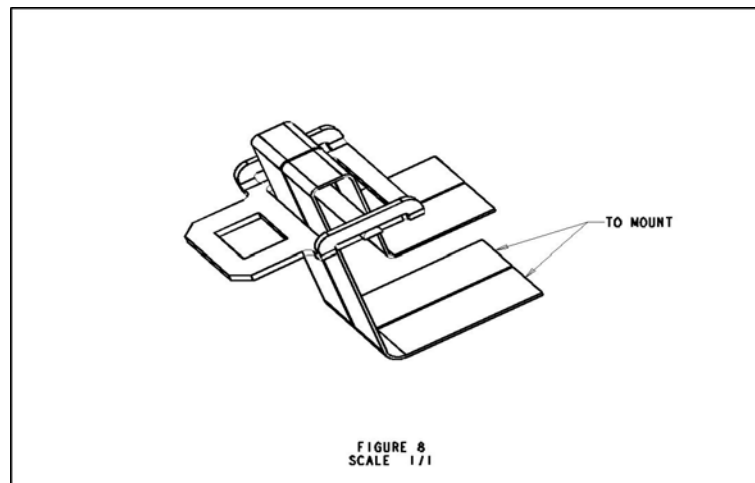
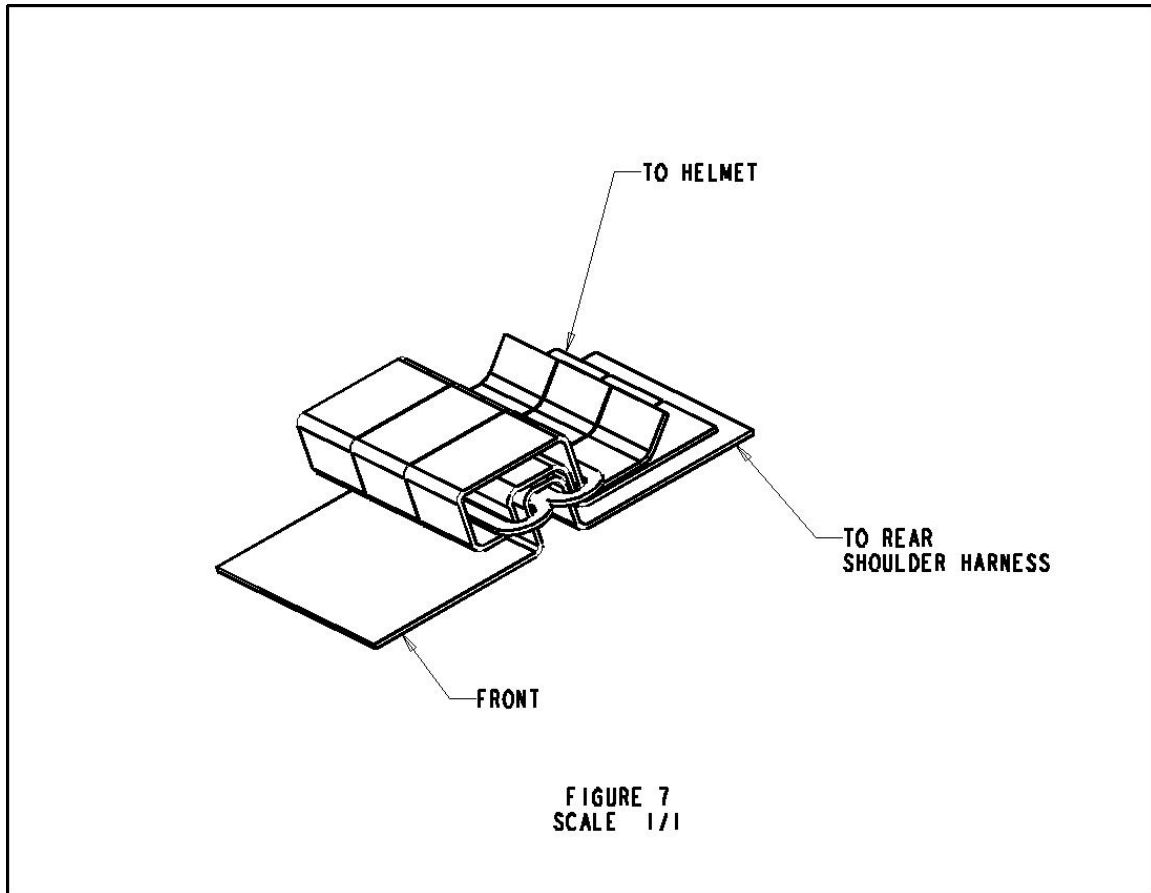


FIGURE 8
SCALE 1/1



**DO NOT USE ON OPEN FACE HELMETS
READ ALL INSTRUCTIONS BEFORE STARTING**

WARNING:

NO WARRANTY OR REPRESENTATION IS MADE AS TO THIS PRODUCTS ABILITY TO PROTECT THE USER FROM ANY INJURY OR DEATH. THE USER ASSUMES THAT RISK

ASSEMBLING THE HELMET ATTACHMENT

PREPARING THE MATERIALS

1. Cut three (5) pieces of webbing into one (1) four-foot, two (2) two-foot pieces and (2) pieces long enough to use to mount to car. Determine if you are using wrap around mount, shoulder harness bolt mounts or attaching to shoulder harness. Measure distance and add three feet. Cut pieces. Use a flame to melt the ends of the webbing to prevent unraveling. A little heat goes a long way!
2. **HELPFUL HINT: Cut webbing at a 45 degree angle. Remove visor.**
3. Remove release button (buckle) from end of webbing. Remove webbing mount from end.
4. Pop off plastic cap from attachment and remove webbing. Remove webbing mount from end.

5. Thread two mounting pieces of webbing through attachment then pop plastic cap back on. Fig. 8.
6. Position the “D” ring so the flat side is toward the bottom of the back of the helmet.
7. Do not finish webbing threading (wrapping back) on flat hook ends (top and sides) until **Helmet Mounting**.
8. Assemble the top strap assembly using (1) one flat hook, (3) three threading plates, the “D” ring and the release button as shown in Figure U5. (Figure R3 recumbant for cars with reclining seats (FV, FF...)).
9. Assemble the side straps by running the webbing through the flat hook and then through the “D” ring. Use one threading plate to form a loop on each end of the attachment, as illustrated in the left end of Figure U5.

HELMET MOUNTING

1. RECUMBANT ONLY: Use four hooks with extra one attached to bottom of helmet.
2. STANDARD USE: Use three hooks. Two on side of eye opening, one at top of eye opening.
3. Place unit on helmet and adjust so that the release button is at the bottom of the back of the helmet. STANDARD - Using Velcro tabs attach webbing to helmet. Attach with tabs (use three or four) on each side of the center hardware (Where both straps meet). **This to keep it from riding up and the hooks coming off.**
4. HOOK PLACEMENT: Some helmets have a thicker gasket around the eye opening. If the hook does not slide on easily, place the hook where it should go and take a razor blade and cut the gasket along the edge of the hook, remove the hook and cut the gasket section off the front of the helmet. Leave gasket on inside of helmet.
5. Use silicon sealer/adhesive to fill all hooks and place on helmet. Let Dry. RTV all flat hooks onto helmet. Extremely important!!! Pass webbing through threading plates as indicated in Fig. U6/R3 and pull as tight as possible.

***** **RTV ALL HOOKS TO THE HELMET WHEN FINISHED.** *****

ALL OF THE WEBBING MUST PASS THROUGH THE THREADING PLATES AS ILLUSTRATED WHEN FINISHED

VISOR MAY NEED TO BE CUT OUT WHERE HOOKS GO UNDER TO FIT PROPERLY.

ATTACHMENT FROM HELMET

Shoulder harness mounting bolts

1. Take end mounts from donor seatbelt and attach to shoulder harness mounting bolts. (You can mount separately to floor if desired. Always use Grade 5 or better hardware with large washers)

2. Feed the webbing from the helmet attachment through the shoulder harness holes in your seat.
3. Run the webbing through a 1” threading plate then through the end mount and back through the threading plate. Web as shown in the left end of figure U/6. (Mounting plate in place of flat hook).

Attached to shoulder harness

4. Feed the webbing from the helmet attachment through the shoulder harness holes in your seat.
5. Use 3” adjusting plates. (Wrap around harness). Remove shoulder harness from roll cage. Place second adjuster plate on harness. Rewrap shoulder harness using adjusting plate closest to roll cage tubing. Attach fill webbing and webbing from helmet attachment to adjusting plate on each side of shoulder straps. Figure 7.

Attach to roll cage behind seat

6. Feed the webbing from the helmet attachment through the shoulder harness holes in your seat.
7. Using a 1” threading plate, wrap webbing around roll cage bar behind seat. Web as shown in the left end of figure U/6. (Roll cage in place of flat hook).

Body Harness Attachment

8. Feed the webbing from the helmet attachment through the “D” ring on the back of the body harness using a 1” threading plate. Web as shown in the left end of figure U/6. **Harness must be snug on body.**

PROCEDURE FOR CARS WITH RECLINING SEATS

1. **For cars with reclining seats (FV, FF...)** Move release button to threading plate on left end of Figure R3 recumbant and thread per Figure R3 recumbant. Adjust position so that release button is as close to head rest as usable with buckle.
2. Adjust the webbing to the *shortest* length that is comfortable while driving the car.

To receive parts list and suppliers at no cost send or fax completed disclaimer form to:

Jay Wright P. E.
3411 E. Bayou Dr.
Shoreacres TX 77571
Or
FAX 281 471-7601