

ULTRA-SHIELD

RACE PRODUCTS

RESTRAINT SYSTEM INFORMATION

WARNING DISCLAIMER:

This article is sold without warranty expressed or implied. No warranty or representation is made as to this product's ability to protect the user from any injury or death. The USER ASSUMES THE RISK. This safety equipment is manufactured to meet the specifications of the SFI 16.1 rating. The effectiveness, warranty, & longevity of this equipment are directly related to the manner it is installed, used, and/or maintained. NO warranty or representation is made as to its ability to protect against serious injury or death, which might result from circumstances beyond the control of Ultra Shield LLC. Not DOT approved. SFI approved and dated.

Mounting Instructions:

Shoulder Belts - Angle 0 to -20° (-10° optimum) from horizontal

-Clear Passage of webbing from top of shoulder (or head and neck restraint) back to the harness bar or mounting point without any interference of the seat openings

-Belts should be as short as possible back to the mounting points

Lap Belts- Angle -45° to -80° from horizontal

-Belt should ride within the curvature of the pelvic bone, preferably just below the iliac crest

-There should be a clear passage through the seat opening without webbing being corded or binding on edges of seat openings with a direct path to the mounting point.

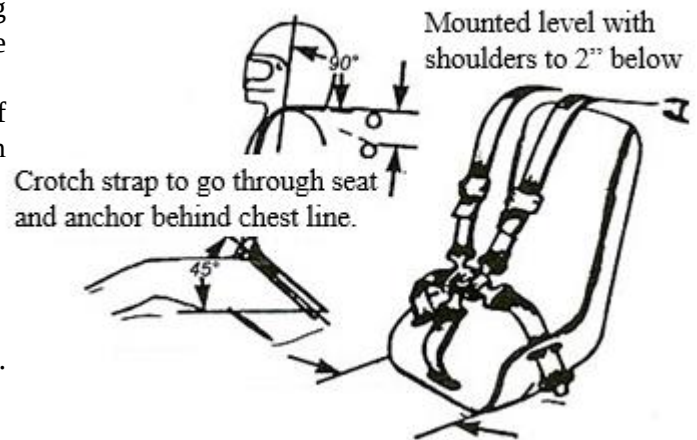
-Lap belt adjusters should be clear of seat openings. Pull up adjusters if outside the seat opening should be a min. of 2" below the opening when the lap belt is tightened.

-Belts to the mounting point should be as short as possible mounted beside the seat and never behind the seat.

-Lap belt should be allowed to pivot freely at the mounting point.

-Webbing should be allowed to pull on hardware in plane. (straight)

-Position of the cam lock or latch & link should be centered on the body. 1 to 2 inches below the belly button when the belts are tightened.



Anti-Submarine Belt –6 point- Angle -20° (2" rearward) through the hole

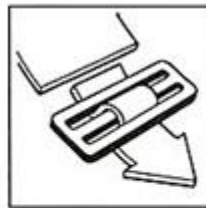
-Two separate anchors (4 to 6 inches apart)

Anti-Submarine Belt –5 point

-Angle – Chest line to 20° through the hole

- Crotch belt should never wrap around the front of the seat, there should be a pass through.

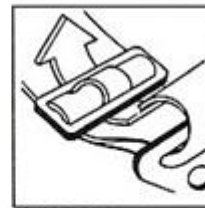
-Crotch belt is used only to maintain position of the lap belt.



Step 1: Insert webbing through 3-bar slide.



Step 2: Pull webbing 8"-10" beyond 3-bar slide. Fold edges and insert into mounting hardware.



Step 3: Fold back webbing and re-insert through 3-bar slide.



Step 4: Fold back webbing again and insert through bottom of 3-bar slide.

Other important notes:

-The webbing should not ride against any hardware such as seat mounting brackets, bolts, or tabs.

-Wrap around mounts should have a provision to prevent lateral or side to side movement.

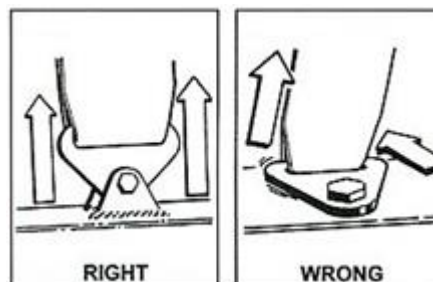
-All mounting brackets should be attached directly to the frame or chassis of the car and installed to limit the driver's body from travel both upward & forward.

-Do not weld around or near belts or hardware.

-Do not mount to the sheet metal floorboard.

-All chassis mounts should hold a min of 3,000 lbs force. -

-Min specs for bolts and washers to attach the seat belts, harness & anti-submarine belt hardware should be Grade 8.



Locking the 3-bar slide as shown in Steps 1-4 is VERY IMPORTANT. The 3-bar slide adjuster must be mounted as close as possible to the mounting hardware or roll bar, in a wrap around design.