

HEMCO INDUSTRIES PTY LTD FOR YOUR SAFETY

ABN 12 004 746 856

Medium/Large Special Needs Harness

For passengers over 36kg

Jun 11

**This harness should only be used for users with special needs.
 It is not a substitute for a standard seat belt.**

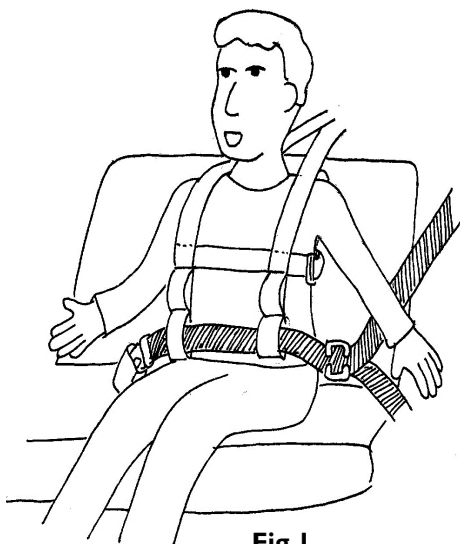


Fig 1

Standard seat belts are not suitable for many passengers with special needs. The wearer is able to 'wriggle' out of the seat belt or, into a position such that the seat belt may become dangerous. The Special Needs Harness is designed to envelop the passenger's trunk, thus following the wearer's movement and remaining in the correct, safest configuration. The wearer is unable to remove the harness. In exceptional cases, an extra 'anti-submarine' strap can be added to prevent the wearer sliding down & forward.

The harness is available for both cars and buses, in three sizes: small for children up to 36kg, and medium or large for children or adults over 36kg.

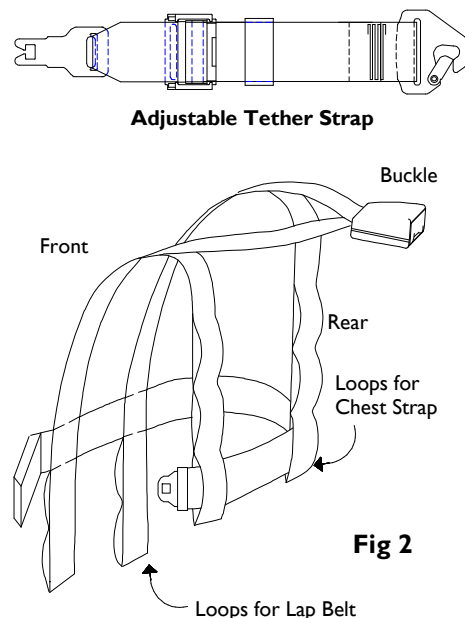


Fig 2

Features

- It is often difficult to fit a harness onto a passenger with special needs. To make it easier for you, the Special Needs Harness is designed so it can be fitted to the wearer before they get into the vehicle.
- Wide 48mm webbing has been used for increased comfort.
- Webbing in the neck area has been folded over so the edges do not chafe the wearer's neck.

Using the Harness

Fitting to the Wearer

Pass the open side of the harness over the wearer's right arm, with the shoulder straps above the arm and the chest strap below the arm. Pull the left shoulder strap over the wearer's head. Fasten the left side of the harness at the buckle, as shown in Figure 3 and adjust to fit. The buckle may be released using a key or a pen.

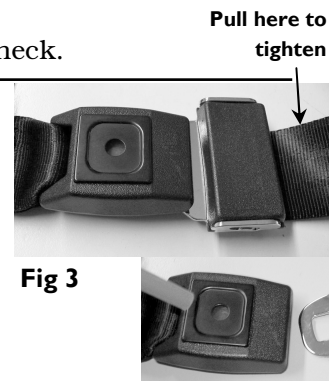


Fig 3

Adjustment

The harness is most effective when comfortably tight. All straps should be placed over bony areas, rather than soft tissue, the chest strap should sit across the centre of the breastbone, and the seat belt should sit over the wearer's hipbones. There are three sets of loops at the back to adjust the position of the chest strap. There are two sets of loops at the front to adjust the position of the seat belt. See Figures 2 & 5.

Attaching to vehicle

Place the wearer in position on the seat. Pass the lap belt, or lap-sash combination (see over page) through the appropriate pair of loops at the front of the harness. Snap the tongue on the tether strap into the buckle on the harness. Adjust the seat belt so that it seats firmly across the wearer's hipbones, then tighten the harness using the tether strap adjustment, DO NOT over tighten such that the seat belt is raised off the wearer's hipbones.

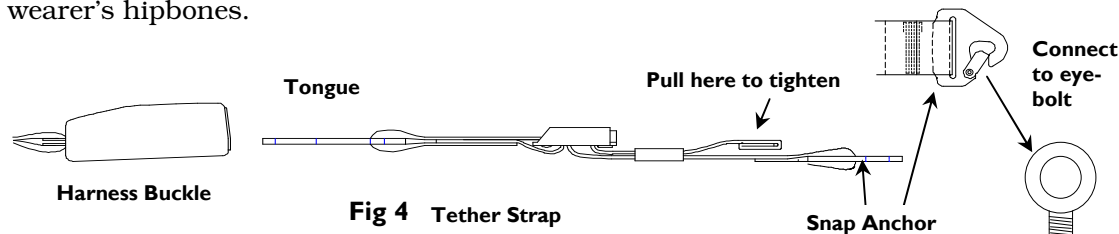


Fig 4 Tether Strap

Optional Anti-submarine Strap

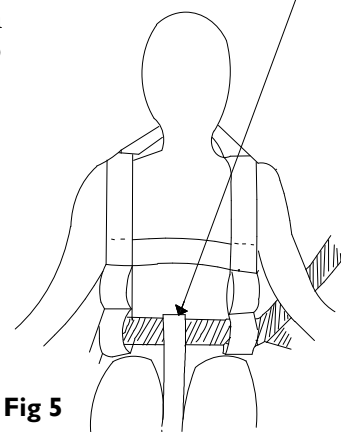


Fig 5

HEMCO INDUSTRIES PTY LTD

FOR YOUR SAFETY

ABN 12 004 746 856

Medium/Large Special Needs Harness

For passengers over 36kg

Jun 11

Converting Lap-sash Seat Belt to Lap

For lap-sash belts, fit the gated buckle to the belt so that the sash is doubled with the lap belt, as shown in Figure 6. Face the hollow side of the gated buckle towards the wearer. Position the gated buckle at the same height as the seat belt buckle on the other side of the wearer.

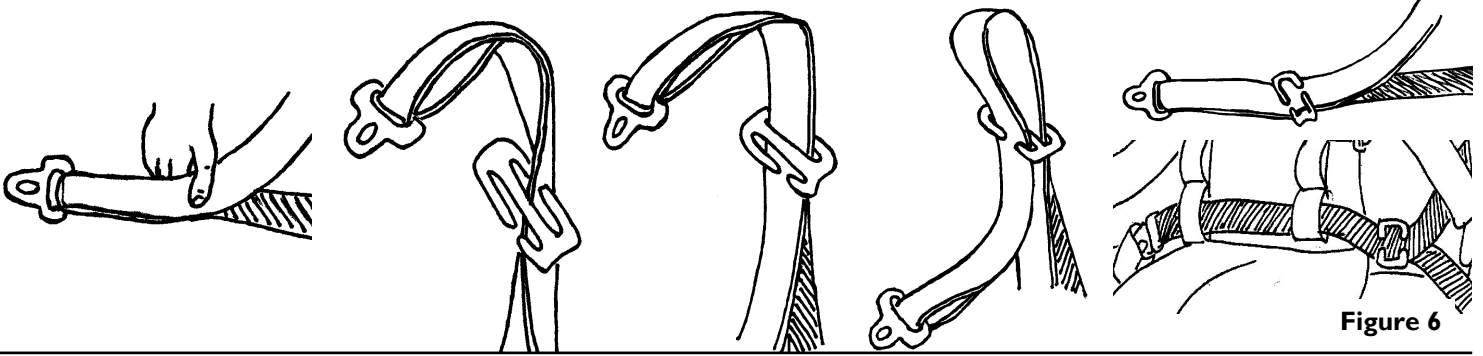


Figure 6

Installation of fittings

This Special Needs harness MUST NOT be used with an existing child harness anchor if fitted to the vehicle.

For sedans only – Position the eye bolt behind any existing child harness anchor point if possible. Drill a 7/16" hole in the parcel shelf on the centre line of the seating position as shown in Figure 7. Install the anchor bolt as shown in Figure 8. Do not over tighten (Max torque 20Nm).

For other vehicles – Refer to Hemco Industries at the above address for correct fitting to these vehicles, or for alterations needed for non-standard fitment.

WARNING: Restraint must not be attached to unsound metal or to wood, or synthetic structures. When drilling the 7/16" hole do not drill through fuel lines, fuel tanks, electrical wiring or radio speakers.

Extras available from Hemco:

Anti-submarine strap, Fittings kit, Tether Extension Strap

WARNING:

- ◆ **This accessory MUST NOT be attached to a child restraint anchorage point in the car.**
- ◆ Connect the restraint exactly as shown in the manufacturer's instructions.
- ◆ Should any of these parts become worn, frayed, contaminated, damaged, or if the restraint has been in a severe crash, the device, including the fitting kits, should be completely destroyed, even if no damage is obvious.
- ◆ Tether and extension straps may be damaged by unsecured cargo in a collision. Hazardous cargo should be secured or removed before the restraint is used.
- ◆ Ensure the webbing does not pass over sharp edges.
- ◆ Clean with mild soap and water. Avoid contamination of webbing with polishes, oils and other chemicals.
- ◆ Do not alter harness (consult Hemco Industries at the above address)

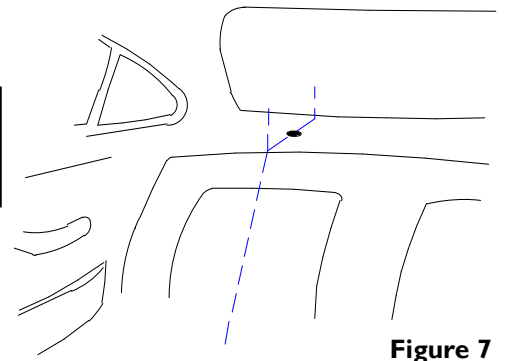


Figure 7

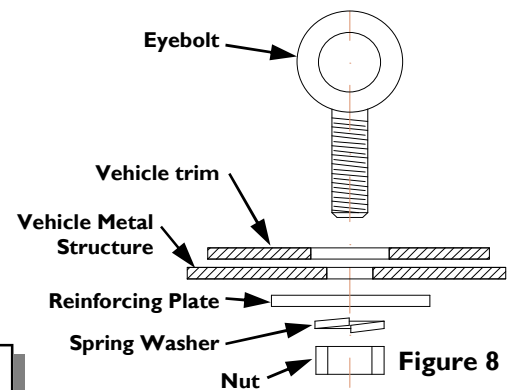


Figure 8

List of items included in this kit:

- 1 1820001 Medium *or*
- 1 1820002 Large Harness
- 1 Adjustable Tether Strap
- 1 Gated Buckle
- 1 Eye Bolt Assy, (7/16" UNF)
- 1 Emergency Webbing Cutter

Contact Hemco Industries at the above address for replacement items or optional extras.