

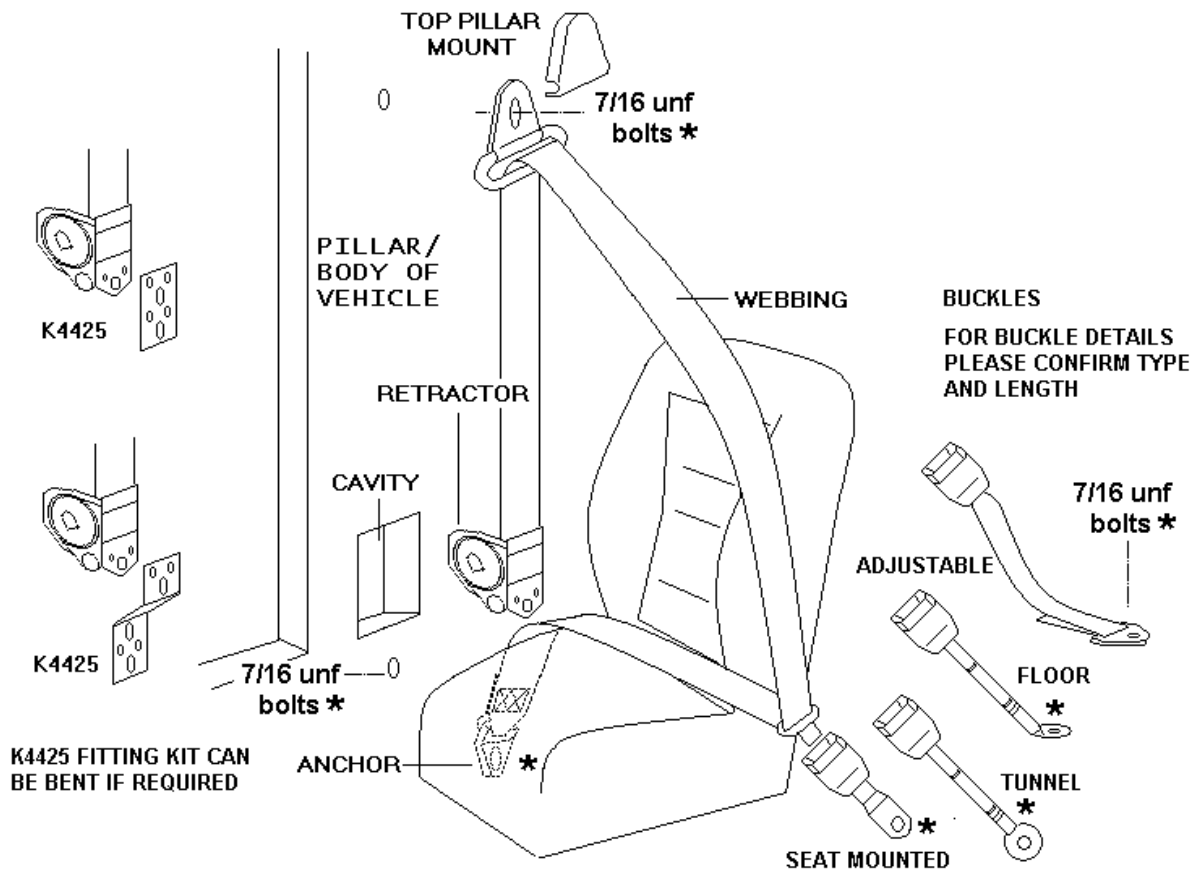
Ph 07 3277 2277  
 Fax 07 3277 2288  
 Email sales@selectgear.com.au

## IN PILLAR LAP SASH SEAT BELT

All pillar mounted front position retractable lap sash seat belts are made such that the retractor is mounted either “On Pillar” or “In Pillar”.

“In Pillar” is the term used when the retractor fits into a cavity inside the pillar of the vehicle or mounts on the reverse side of a bracket. In this mounting position the drum of the retractor is facing out towards the external panel of the vehicle. See the diagram below. Note the positioning and orientation of the retractor.

### DIAGRAM 1



<b>Standard belt length</b>	<b>3.2 metres</b>
<b>Long belt length</b>	<b>3.8 metres</b>
<b>Short belt length</b>	<b>2.6 metres</b>

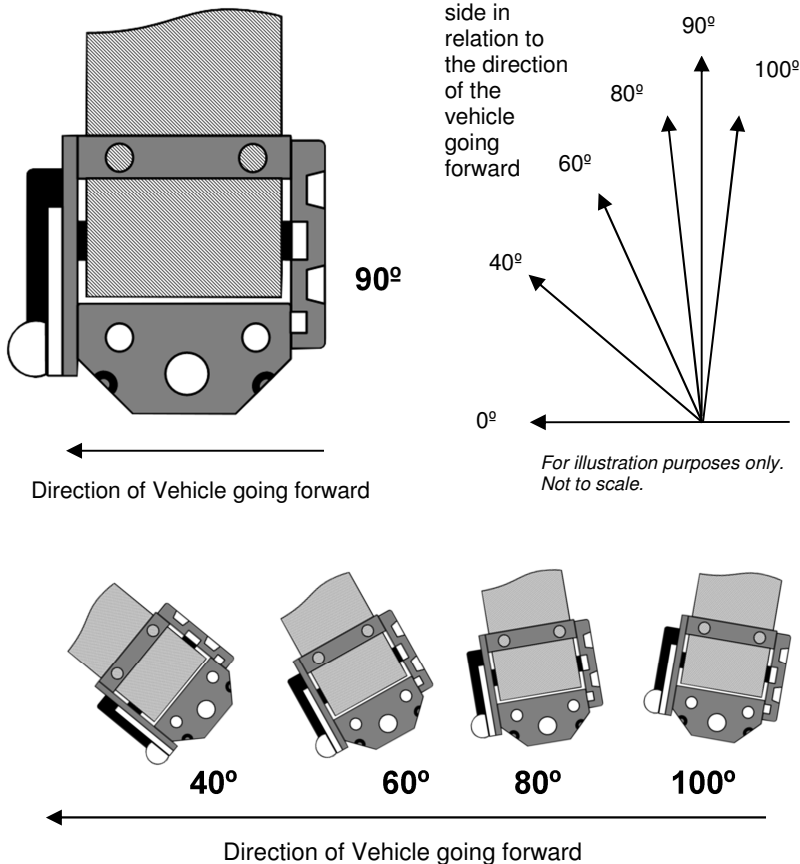
“In Pillar” retractors are usually bolted to an AS2596 approved fitting bracket (e.g. Part no. K4425 – see above). This bracket may be cut or bent to simulate the shape of the frame of the original seat belt. The bracket is then bolted to the vehicle.

Retractable seat belts are made to be mounted at a combination of two angles.

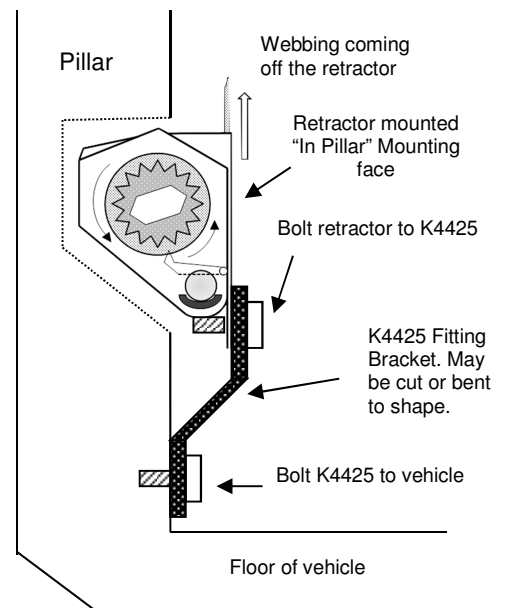
1. The angle of the spring side in relation to the direction of the vehicle.
2. The angle of the mounting face in relation to the floor of the vehicle.

These angles need to be assessed in order that the belt supplied, when mounted, will allow webbing to roll off the drum when the vehicle is on a horizontal surface, thus enabling the occupant to put the seat belt on. See the diagrams below.

### The First Angle



### The Second Angle (front elevation)



**The angle between the mounting face and the floor must be 90°**

With a general purpose "In Pillar" belt, the angle of the spring side may be 40°, 60°, 75°, 80°, 90° or 100° relative to the forward direction of the vehicle. **Note that the angle made by the webbing from the retractor to the sash guide is the same as the angle of the spring side.**

With a general purpose "In Pillar" belt, the back mounting face of the retractor assembly must always be at 90° or perpendicular to the road. This is the second angle referred to.

### Buckles are either

Stalk (cable) mounted on the side of the transmission tunnel (vertical surface) (220mm, 250mm, 300mm, 350mm, 400mm, 450mm)

Stalk (cable) mounted flat on the floor (horizontal surface) (see Diagram 1 on previous page) (250mm, 300mm, 350mm, 400mm. Specify RH side or LH side of vehicle)

Stem (steel plate) mounted on the seat or other vertical bracket (100mm, 135mm, 170mm, 210mm)

Webbing Fixed Length mounted on tunnel, floor or seat (190mm, 275mm, 425mm, 500mm)

Webbing Adjustable - Standard (150mm - 610mm) Long (150mm - 950mm)

Buckles are measured in millimetres from the end of the buckle head (red release button) to the centre of the mounting hole of the anchor plate of the buckle.