

**Updating Generic Crush Stiffness Coefficients for Accident Reconstruction - SAE 2010-01-1581****Frontal crush coefficients**

	<u>lb/in</u>	<u>lb/in<sup>2</sup></u>	<u>N/cm</u>	<u>N/cm<sup>2</sup></u>
	<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>
<b>Passenger car 1 (WB 205-241 cm)</b>				
1980-1989	188.3	86.6	329.8	59.7
1990-1999	221.0	109.6	387.0	75.6
2000-2009				
All data	200.9	96.8	351.8	66.7
<b>Passenger car 2 (WB 241-258 cm)</b>				
1980-1989				
1990-1999	275.8	126.9	483.0	87.5
2000-2009	304.7	147.9	533.6	102.0
All data	296.5	142.0	519.3	97.9
<b>Passenger car 3 (WB 258-280 cm)</b>				
1980-1989	250.1	83.5	438.0	57.6
1990-1999	305.9	125.8	535.7	86.7
2000-2009	343.9	144.0	602.3	99.3
All data	304.8	121.7	533.8	83.9
<b>Passenger car 4 (WB 280-298 cm)</b>				
1980-1989	313.3	119.8	548.7	82.6
1990-1999	349.3	123.6	611.7	85.2
2000-2009	365.3	137.3	639.7	94.7
All data	355.0	131.0	621.7	90.3
<b>Passenger car 5 (WB over 298 cm)</b>				
1980-1989				
1990-1999	338.5	116.6	592.8	80.4
2000-2009	349.9	103.5	612.8	71.4
All data	339.8	107.4	595.1	74.0
<b>Pickup truck 1 (WB &lt;290 cm)</b>				
1980-1989	348.8	134.3	610.8	92.6
1990-1999	367.4	135.0	643.4	93.1
2000-2009	368.3	134.8	645.0	92.9
All data	364.1	134.9	637.6	93.0
<b>Pickup truck 2 (WB &gt;290 cm)</b>				
1980-1989	353.8	114.0	619.6	78.6
1990-1999	359.4	100.4	629.4	69.2
2000-2009	398.6	114.3	698.1	78.8
All data	375.8	107.2	658.1	73.9
<b>MPV 1 (WB &lt;265 cm)</b>				
1980-1989	334.5	113.4	585.8	78.2
1990-1999	341.9	118.9	598.8	82.0
2000-2009	419.5	157.4	734.7	108.5
All data	375.7	135.2	658.0	93.2
<b>MPV 2 (WB &gt;265 cm)</b>				
1980-1989	360.6	130.4	631.5	89.9
1990-1999	406.9	131.0	712.6	90.3
2000-2009	436.9	149.3	765.1	102.9
All data	422.0	140.7	739.0	97.0

Van 1 (WB < 293 cm)				
1980-1989	349.9	129.4	612.8	89.2
1990-1999	355.8	113.7	623.1	78.4
2000-2009	356.6	115.6	624.5	79.7
All data	354.7	117.3	621.2	80.9
Van 2 (WB >293 cm)				
1980-1989	382.2	134.4	669.3	92.7
1990-1999	383.0	117.8	670.7	81.2
2000-2009	411.9	121.0	721.3	83.4
All data	392.1	121.1	686.7	83.5