

WHEEL SHIELD MEASUREMENT PROCEDURE

VC 4533 Rear Wheel Shields Measurement Chart

X	Y	ROUNDED
12"	4.9704	5"
16"	6.6272	6 ¾"
20"	8.2840	8 ½"
24"	9.9408	10"
28"	11.5976	11 ¾"
32"	13.2544	13 ½"
36"	14.9112	15"
40"	16.5680	16 ¾"
44"	18.2248	18 ½"
48"	19.8816	20"
52"	21.5384	21 ¾"
56"	23.1952	23 ½"
60"	24.8520	25"
64"	26.5088	26 ¾"
68"	28.1656	28 ½"
72"	29.8224	30"
76"	31.4792	31 ½"
80"	33.1360	33 ½"
84"	34.7928	35"
88"	36.4496	36 ½"
92"	38.1064	38 ½"
96"	39.7632	40"

22.5° is the maximum angle that is allowed, measured from the road surface to a straight line passing to the rear of the vehicle body. $\text{Tangent of } 22.5^\circ = .4142$

X is the distance measured rearward on the roadway from the vertical centerline of the tire to the vertical line of the flap, or in the absence of a flap, to the rear of the vehicle body.

Y is the maximum distance that is allowed from the road surface to the bottom of the flap, or in the absence of a flap, to the rear of the vehicle body.

