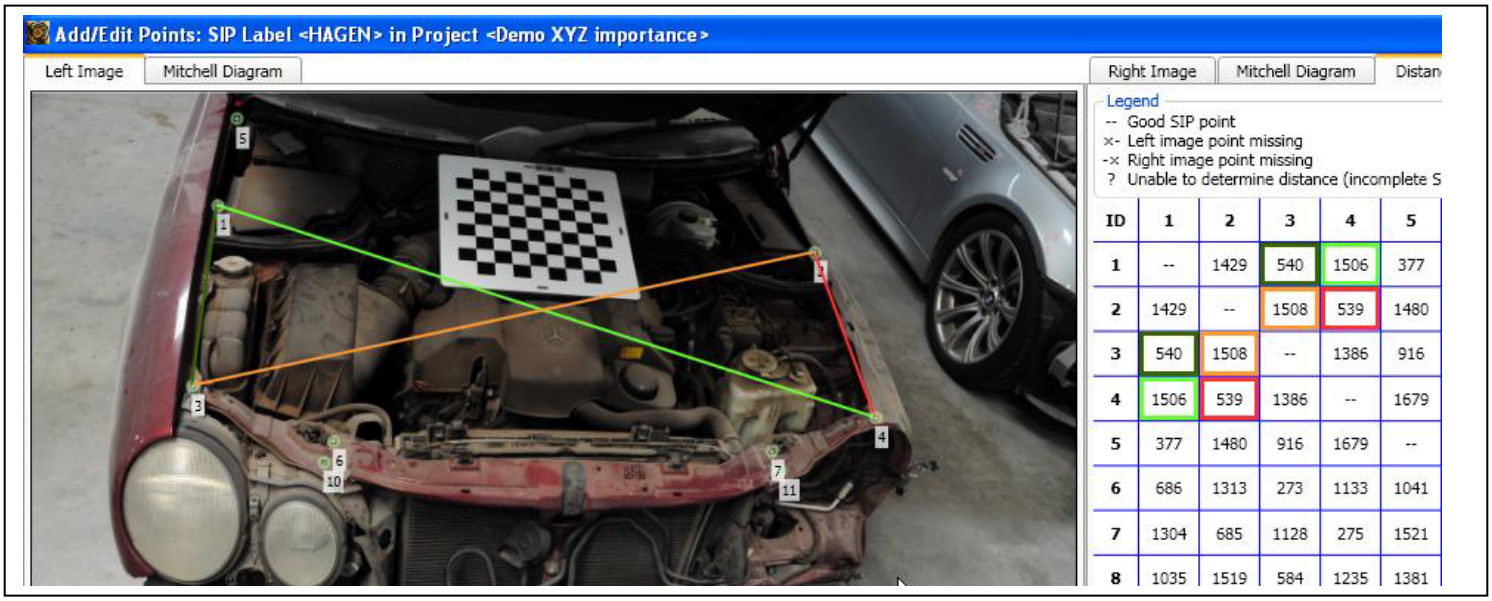
- FEATURED CASE STUDY -

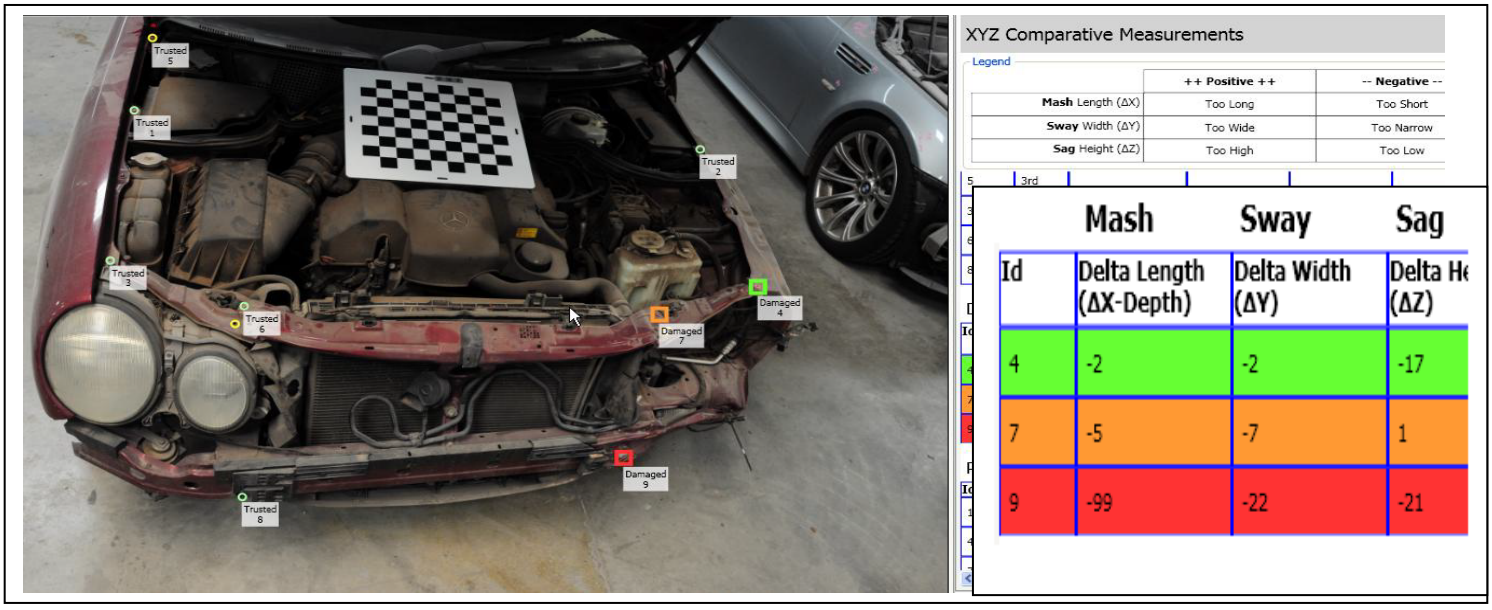
matrix WAND

Tram Gauges VS The Matrix Wand



ID	1	2	3	4	5
1	--	1429	540	1506	377
2	1429	--	1508	539	1480
3	540	1508	--	1386	916
4	1506	539	1386	--	1679
5	377	1480	916	1679	--
6	686	1313	273	1133	1041
7	1304	685	1128	275	1521
8	1035	1519	584	1235	1381

When a tram gauge is used to measure the underhood dimensions of this Mercedes the diagonals are within 2mm and the lengths are within 1mm.



	++ Positive ++	-- Negative --
Mash Length (ΔX)	Too Long	Too Short
Sway Width (ΔY)	Too Wide	Too Narrow
Sag Height (ΔZ)	Too High	Too Low

Id	Mash Delta Length (ΔX-Depth)	Sway Delta Width (ΔY)	Sag Delta He (ΔZ)
4	-2	-2	-17
7	-5	-7	1
9	-99	-22	-21

Notice what happens when we measure in XYZ. The green data (Point #4) shows the sag (Height) is -17mm. The corner is low by 17mm! Tram gauges are 2 dimensional and cannot measure height. Only true XYZ (3-D) dimensions give the entire information.

For more information contact Matrix Electronic Measuring, Inc. at +1.785.823.8800 or visit us at:

www.thematrixwand.com

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