

Data Sorting

An affective QSA tool for Quality Control

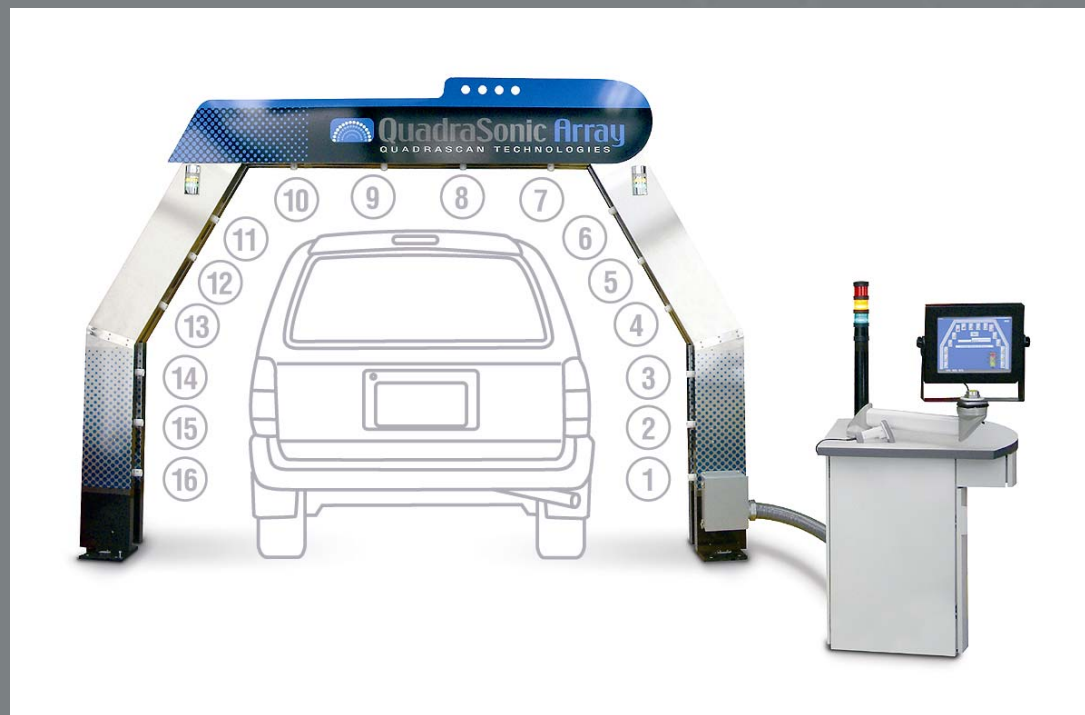


- The QuadraSonic Array will scan and read vehicle barcodes and permanently archive vehicle data.

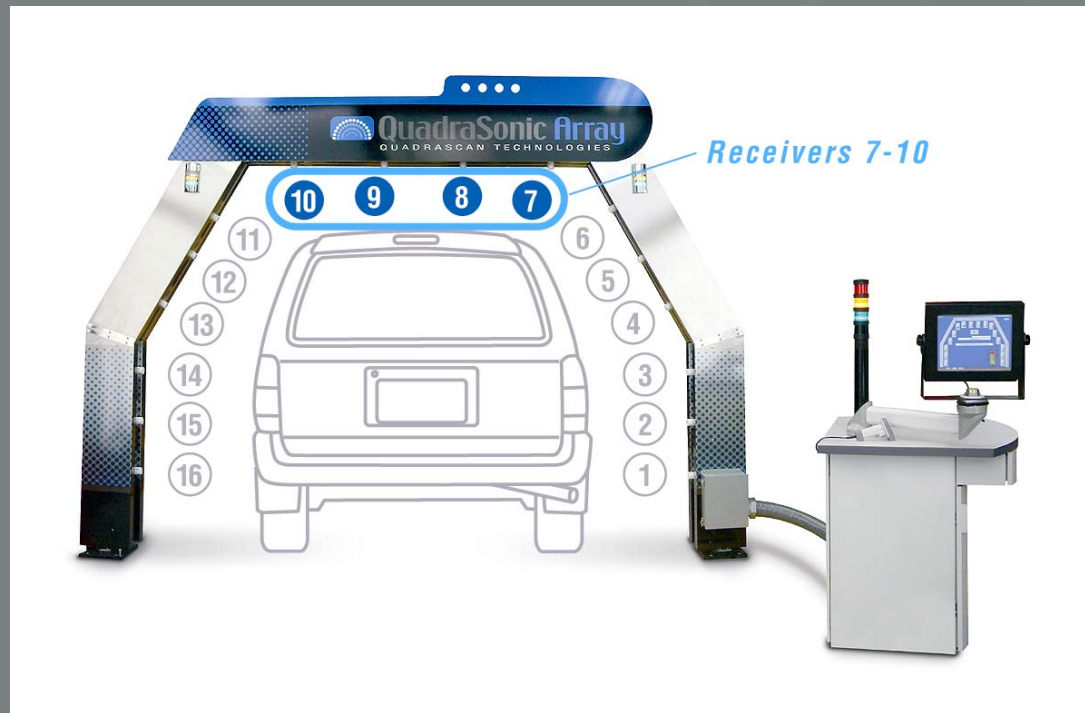


- This information is a critical part of problem solving and making the determination of where in the build process something has changed.
- The software will allow any problem solver the ability to sort the data in many ways.

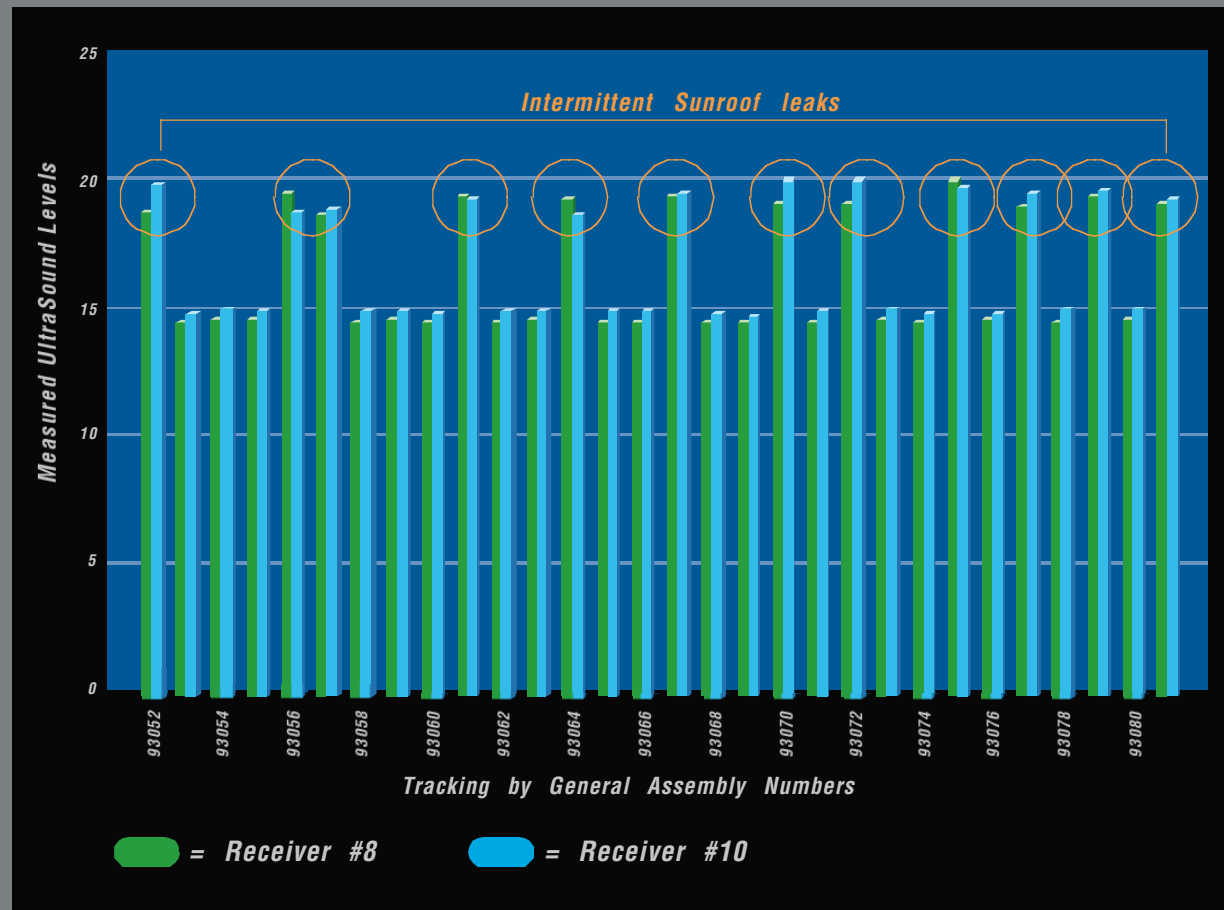
The QuadraSonic Array is comprised of 16 ultrasound receivers that are equally distributed around the perimeter of the vehicle.



Receivers 7-10 will pick up any ultrasound that is passing through the windshield, sunroof or liftgate.



Receivers #8 and #9 are picking up sunroof leaks intermittent in the General Assembly build process.

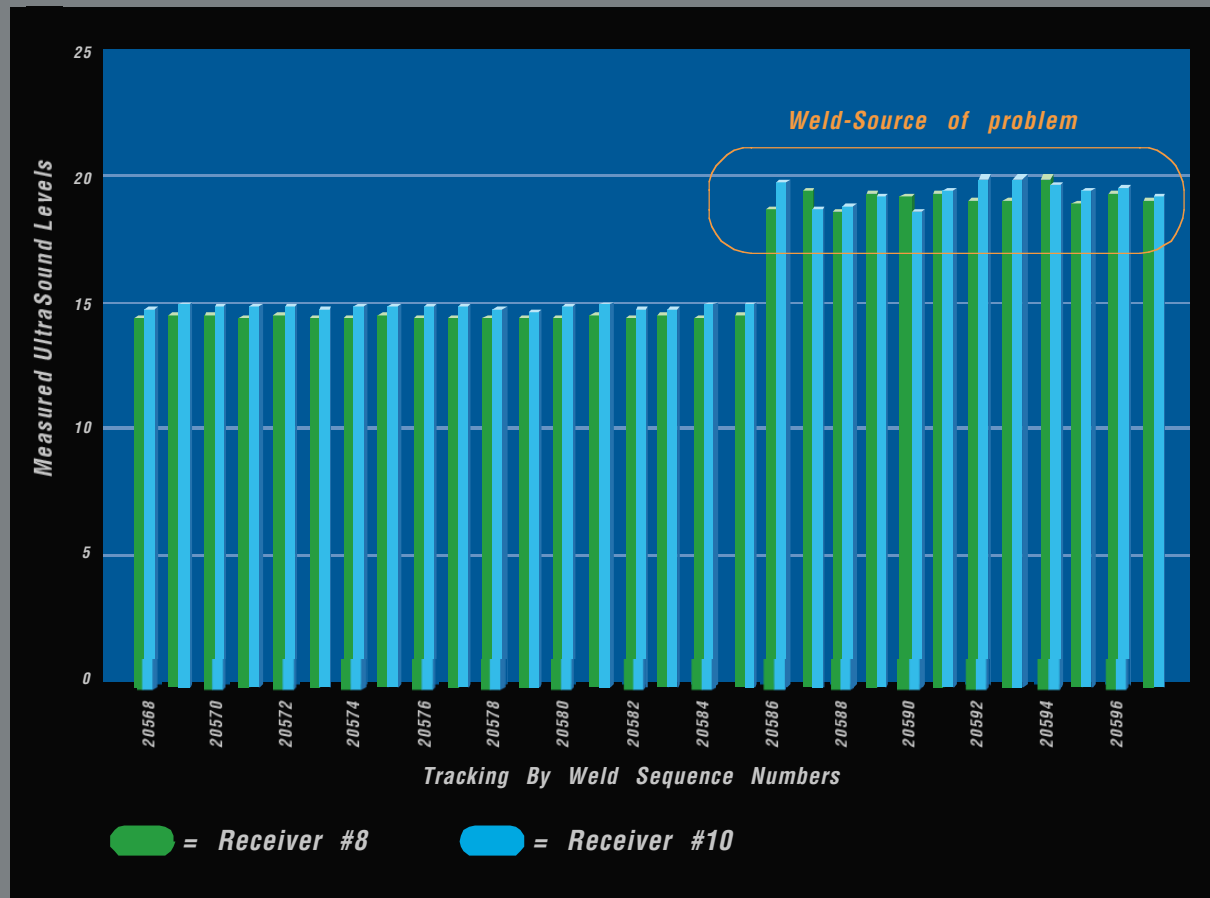


The data clearly shows that there is some type of intrusion into the vehicle in the sunroof area.

We can determine that it is the sunroof that is causing the intrusion because the alarms will sound when the receivers are directly over the source of the ultrasound.

The QuadraSonic Array will allow you to sort the data in different ways. If you take the same data, from the previous slide, and sort it by the weld sequence numbers out of body shop – you get a clearer picture of what is going on.

By changing the way you can view the data, you can clearly see that there was a change in the body shop at a specific weld sequence number that has allowed the sunroofs to leak.



Data Tracking and Sorting is just one of the many features that the QuadraSonic Array will assist your facility in making the problem solving process easier for your company and better for the customer.