

PRODUCT ~ Mechanical Cash Benefits

System Benefits

Projected Maintenance – Mechanical – and Down-time Savings From Use of Our System:

Insurance premium savings may be as much as: 10-15%
Primary savings is saving shop time factored at \$125 hr.

- Problem diagnosis between driver & mechanic: estimated time ½ hr.
- Truck diagnosis of actual brake problem. To evaluate problem brake(s): minimum 1.5 hrs of mechanic's time.
- Pull and prep new brake parts: depends on distance from the shop, parts availability, size of room, & organization of parts room. The following lists the install time of various parts:
 - Brake chamber: 1 hour.
 - Slack adjuster itself: 30-40 minutes
 - Air valves. Due to the various types of air valves, R&R takes anywhere from 1 – 2 hours
 - ** Although this rarely happens, and we have not had this situation take place with our tested units, we are confident that our system will tell you if you have a bad S-Cam. This indication will be shown by the actual measurement being significantly out of limits.
- Truck down-time savings. There are few actual times allocated to the below listed tasks as time management falls under the Shop Manager/Foreman responsibility and the company's CFO.

Our system allows you to pre-plan your truck & trailer's maintenance needs.

- Prevents overstocking
- Will reduce the number of "surprise" brake equipment failures on the road.
- Depending on truck's location at time of brake failure reduce mechanic's road-call time: 3 hours to include travel time & mechanic's time to fix the problem.
- Our system provides you with preplanned maintenance.
- Diagnostic time easily cut in half. The system will show you which brake has the problem.
- Telematic compliant, per type of interface: e.g. Qualcomm, Motorola, RF, or?

Custom Software Programming Can Reduce Accident Liability:

We can program your system's software to meet your needs. This individually tailored programming can save in memory: if pre-trips were indeed conducted, store an operator's braking habits to determine if further operator brake/braking training is needed. The software can also save in memory, an operator's braking pattern to include 5 seconds to the actual occurrence of an accident. The software is designed to have memory to span whatever duration of time you may require.

Savings:

- Ticket reduction
- Brake check time savings: go straight to the brake having problems.
 - Jackknifing reduced.
 - Maintain matching air valves.
 - Tire wear reduction
 - Reduce component brake part(s) wear.
- Reduce potential fire hazards due to brake malfunction.
- Real-time knowledge of brake's actual performance.
 - Only need one person to check brakes.
- Reduce equipment damage due to improper air valve sequencing.
 - Key indicator of balanced braking.
 - Reduction of component parts wear.
 - Reduction of jackknife potential.
 - ABS functionality.
- Down time reduction by 40%.
- USDOT reduction of faulty and out of adjustment brake ticketing contributing to its statistical database currently being used adversely against the trucking industry. Can way reduce this financial drain.
- Air line performance.
- **Key:** most important, a driver will now know if they're operating brakes that are balanced; **this being the most critical contribution to crashes caused by brakes per USDOT most recent studies.**