

## Who Rides on Air ?

- Premium Autos & Motor Coaches (Independent wheel suspension)
- Large Class 8 Trucks (Front and Drive Axle Suspensions)
- Large Class 8 Trailers (Tankers, Flats, Auto Carriers)
- Light Trucks (Drive Axle Suspensions & Add-On Air Springs)
- Light Trailers (Horse, Race Car, Boat Trailers & RV's)



## Why Should You Specify Air Suspensions on Your Trailer ?

The same reasons they do...

- Ride (Protects Cargo)
- Extended Vehicle Life
- Improved Handling
- Side to Side Load Leveling

## Cargo-Max Wheel Equipment



- Maintain Legal Width while Increasing Cargo Space inside Trailer
- Increase Width between Fenders
- Consolidate Frame Widths
- Alcoa Aluminum Rims
- Up to 12,000# Capacity
- Available with ABS



## Light Trailer Air Ride Suspensions 3,500 to 12,000 LB Capacities



Ask Your Trailer Manufacturer or Dealer about STI Air Suspensions

Suspension Technology Industries

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[www.ridetheair.com](http://www.ridetheair.com)

## Air Ride Protects Cargo

- Horses can endure longer trips with less fatigue
- Electronic equipment and valuables are protected from rough road impacts and vibrations
- Cargo shifting decreased when riding on air



## Extended Vehicle Life

- Less impact and vibration on bolts, rivets, light bulbs, aluminum welds and cargo
- Rugged suspension construction = less vehicle maintenance
- Air equalization distributes load to all of the axles
- Higher trailer resale value at trade-in

## Improved Handling

- No rough jolts on tow vehicle from the trailer hitting bumps
- Smoother ride than torsion or leaf spring suspensions
- Side to side leveling when cargo load is uneven
- No axle steering

## Additional Air Benefits

- Trailer lowers for loading and unloading cargo
- Trailer rests on internal bumpers when air is exhausted, suspension ground clearance is maintained, and the trailer may be moved without air if needed
- Increased wheel travel allows axles to share the load over road bumps
- Available as a trailer option from most manufacturers and can be retrofit to existing trailers



## Suspension Technology, Inc.

### “LBS” Model Air Suspension



## Special Features

- Trailer roll stability is increased over conventional trailing beam designs
- Twisting from roll torque is not applied to the axle as with conventional trailing beam suspensions
- Axles do not steer when tires “walk” over curbs or when the trailer is being pushed to one side by the wind. Tires travel straight up and down

## Easy Maintenance

- LBS spindle swing arms rotate on self-lubricated bearings
- Industry standard bearings, seals, hubs, brakes and air springs are available nationwide