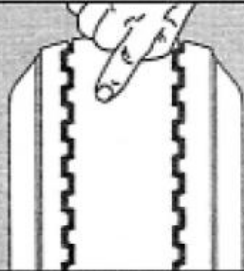
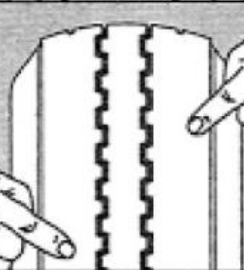
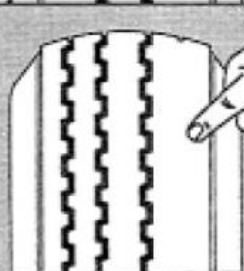
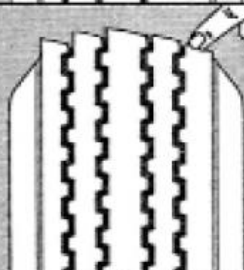
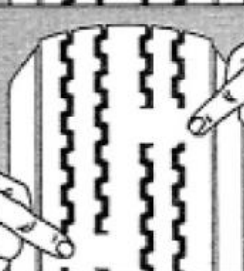
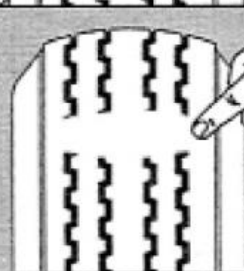
	TIRE BLOW OUT SEASON	Date:
	TOOLBOX / TAILGATE TALK	Presenter:

“Tire –blowout season (yes, there really is a “Tire-blowout season”) runs from roughly the middle of May through early October (tire companies closely track such information but guard it carefully). The reason more tires fail from late spring to early fall is simple: That’s when the outside temperature is the hottest, and when motorists are driving farther, and faster, in more heavily loaded vehicles. The combination can push a neglected or injured tire beyond its breaking point. However, tire failures can happen any time of year, especially in the warmest parts of the country.

Besides **heat** and **overweighted trailers**, other major bad guys for tires include **lack of proper air pressure** and, of course, **impacts with obstacles**. “Tire maintenance is undoubtedly the most critical safety component on a vehicle. Where the rubber meets the road affects traction, handling, steering, stability, and braking. Because of this, a sudden tire failure can have serious consequences, especially if it occurs at highway speeds.

It’s amazing that tires hold up as well as they do considering their vulnerability to road hazards. Many tires today are easily capable of going 60,000 to 80,000 miles or more — provided they are properly installed, maintained, and inspected regularly (*see Tire Load Range chart, right*). With proper care, tire maintenance, and “normal” use, most tires will go the distance without a problem. But sometimes tires fail.

Tire Size	Load Range	Load Rating Single	Load Rating Dual
ST205/75R15 RADIAL	C 6-ply rated	1820 @ 50 PSI	N/A
ST225/75R15 RADIAL	C 6-ply rated	2150 @ 50 PSI	N/A
ST225/75R15 RADIAL	D 8-ply rated	2540 @ 50 PSI	N/A
ST235/80R16 RADIAL	E 10-ply rated	3520 @ 80 PSI	3093 @ 80 PSI
LT235/85R16 RADIAL	G 14-ply rated	3750 @ 110 PSI	3200 @ 110 PSI
9.00 x 14.5 BIAS	F 12-ply rated	3230 @ 100 PSI	2840 @ 100 PSI
12.00 x 16.5 BIAS	F 12-ply rated	4045 @ 75 PSI	3560 @ 75 PSI
9R17.5 HC	H 16-ply rated	4410 @ 110 PSI	3970 @ 110 PSI
11R17.5 HC	H 16-ply rated	5530 @ 120 PSI	4850 @ 110 PSI
215/75R17.5 RADIAL	H 16-ply rated	4805 @ 125 PSI	4540 @ 125 PSI
245/70R17.5 RADIAL	H 16-ply rated	6005 @ 125 PSI	5675 @ 125 PSI
235/75R17.5 RADIAL	H 16-ply rated	6005 @ 125 PSI	5675 @ 125 PSI
255/70R22.5	H 16-ply rated	5510 @ 115 PSI	5070 @ 115 PSI
275/70R22.5	H 16-ply rated	6610 @ 125 PSI	6175 @ 125 PSI
295/70R22.5	H 16-ply rated	6610 @ 120 PSI	6005 @ 105 PSI
11R22.5	G 14-ply rated	6610 @ 120 PSI	6005 @ 120 PSI

	Condition	Possible Cause	Remedy
	Even Center Wear	Over Inflation	Check & Adjust Pressure When Cold
	Inside & Outside Wear	Under Inflation	Check & Adjust Pressure When Cold
	Smooth, Side Wear - One Side	Loss of Camber or Overloading	Check & Unload As Necessary Have Alignment Checked
	"Feathering" Across The Face	Axle Not Square To Frame or Incorrect Toe In	Square Axles Have Alignment Checked
	Cupping	Loose Bearings or Wheel Balance	Check Bearing Adjustment and Wheel & Tire Balance
	Flat Spots	Wheel Lockup	Adjust Brakes

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