



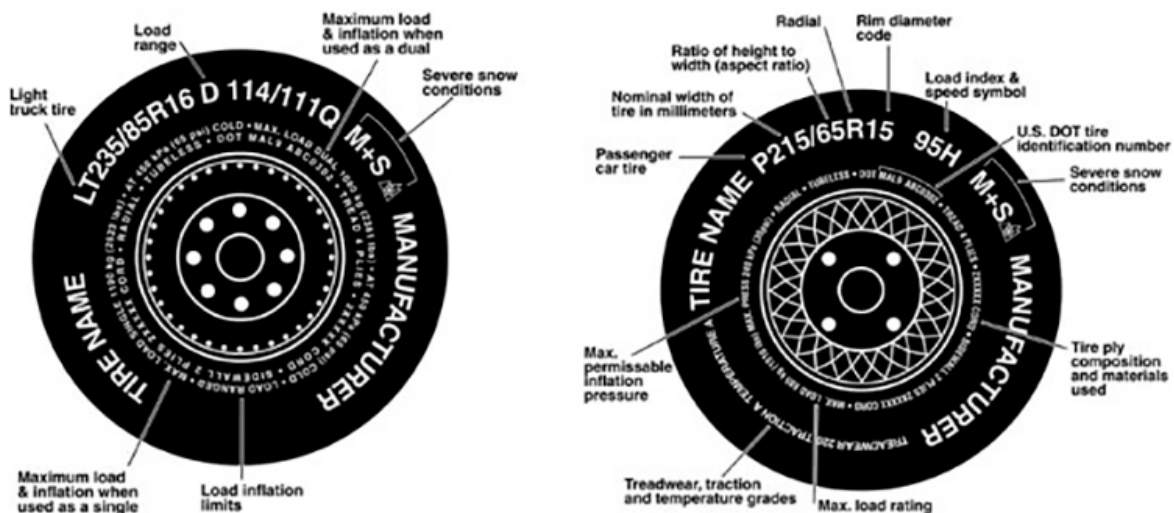
## GREAT BASIN GUIDANCE FOR TIRE INSPECTION AND REPLACEMENT

### INCIDENT TIRE REPLACEMENT CRITERIA

Any tire with the following conditions should not pass inspection. The resource shall replace the tire(s) or be released from the incident. If the vehicle arrives with these deficiencies the incident shall not be responsible for replacement/repair expenses.

- ✓ Sidewall is cut, worn, or damaged to the extent that the steel or fabric ply cord is exposed
- ✓ Excessive tread damage including cuts, holes or excessive numbers of missing tread lugs
- ✓ Tread depth less than 4/32 of an inch
- ✓ Visible bumps or knots related to tread or sidewall separation

The codes on each tire sidewall should also be interpreted and compared to the tire and vehicle manufacturer's requirements for age, speed and load ratings. The codes are described below:



If the manufacturer requirements are not clear or immediately available, or the tires are “borderline,” the inspector should consult with the safety officer and have a risk-based discussion with the operator about the tires. Collectively, a decision shall be made whether to replace the tires. Items of consideration for inspectors are:

Age: tire manufacturers typically recommend replacement every 6-10 years, regardless of condition. Do the operators know the age of their tires and when the manufacturer recommends replacement? Look for the four digit code as shown below:



Speed rating: aggressive off-road tires usually have a lower speed rating. If the rating is 55 mph, and the operators do not always stay below this speed, the tire's integrity may be compromised.

TIRE SPEED RATING CHART					
Speed Rating	Speed (mph)	Speed Rating	Speed (mph)	Speed Rating	Speed (mph)
A1	3	D	40	Q	99
A2	6	E	43	R	106
A3	9	F	50	S	112
A4	12	G	56	T	118
A5	16	J	62	U	124
A6	19	K	68	H	130
A7	22	L	75	V	149
A8	25	M	81	W	168
B	31	N	87	Y	186
C	37	P	93	ZR	Over 150

Load rating: can the tires handle the actual weight of the vehicle? Compare to the vehicle weight slip, per axle. The weight on that axle must be less than the combined load rating of all the tires on that axle. Note that axles with dual tires have a slightly downgraded load rating in case one tire fails. An example load range chart is show below:

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

Upon approval, replacement tires shall be requested by the incident to the incident agency or buying team, utilizing a tire form that notes the exact tire specifications. The tire(s) must meet vehicle specifications for size, load rating, speed rating and mission (i.e. off-road use). Buying teams shall ensure tires received from the vendor meet the tire specifications requested. Any deviations must be approved by the incident prior to acceptance. Tires shall not have been manufactured more than 3 years prior to the request date.

### **INCIDENT REPLACEMENT OF TIRES**

Replacement for tires at the incident's expense where the resource believes the incident caused the damage shall follow the following procedures:

1. Completion of Form OF-289, Property Loss and Damage, with the Great Basin Attachment. This form can be found at: <https://gacc.nifc.gov/gbcc/business.php>.
  - a. The resource requesting the replacement shall complete the form with specific documentation as to how the incident was the cause of the damage/destruction of the tire(s).
  - b. All additional documentation and signatures shall be obtained (witness, supervisor, subject matter expert, finance section chief) prior to submission for approval.
  - c. Photos shall accompany the request whenever possible.
  - d. The Great Basin Tire Replacement Order Form shall accompany the request. This form can be found at:
2. Form OF-289 with Great Basin Attachment and all supporting documentation shall be presented to the approving official (i.e., Incident Business Advisor, Finance Section Chief, or Agency Administrator). Approving officials shall take into consideration all provided documentation, statements and photos when making an approval determination.
3. Tires will be ordered only when accompanied by the following:
  - a. Approved Form OF-289 with Great Basin Attachment
  - b. Great Basin Tire Replacement Order Form

- c. Supply resource order number (S#) form. Resource order shall contain the number of tires approved, vehicle description for which tires are being purchased, tire vendor name/location, and purchasing method (buying team name, purchaser name, etc.).