

# Don't TIRE them out!

Knowing the signs of tire damage can help you stay safe on the road.

## TIRE TREAD

The tread is what comes in contact with the road.

Tread depth and tread bars help measure the remaining tread left on your tires for safe operation.

### TREAD DEPTH GAUGE

Slip the pin between the tread and push the base of the gauge down until it's flush with the tread.

10/32nds = New  
4/32nds = Worn  
3/32nds = Dangerous



**2/32nds (1.5mm) or when tread wear indicators touch the road - Your tires are legally bald and unsafe for road use!**



### \$2 TEST

Insert a toonie inbetween the tread blocks with the polar bear standing upwards.



TIRES ARE FINE  
YOU NEED NEW TIRES

#### NEW/GOOD

Tread covering up to the bear's feet.



#### TIME TO SHOP

When you start to see silver, performance on wet and slippery conditions declines.



#### DANGEROUS!

When the top of the letters become visible, or when tread bars touch the ground, your tires are worn and unsafe. You need new tires.



## VISUAL INSPECTION

Abnormalities such as distortion, bulges, exposed cords, cuts or nails should be treated immediately.

Any damage to your tire and the tire sidewall could result in a dangerous tire failure.

### IRREGULAR TREAD WEAR

#### Center Wear

**Cause:** Overinflation

Check recommended tire pressure in owner's manual or on the driver's doorjamb.



#### Shoulder Wear

**Cause:** Underinflation

Ensure tire pressure is correct. Note: Tire pressure can drop when the weather gets cold.



#### Feathered Wear

**Cause:** Misalignment, High-speed cornering

Take corners slower, or invest in tires with a stiffer side wall.



#### Cupped Wear

**Cause:** Worn suspension, unbalanced tires, misalignment

Regularly check tire pressure, suspension and rotate tires



#### Toe Wear

**Cause:** Misalignment

Check and adjust alignment regularly



#### Camber Wear

**Cause:** Misalignment, Worn suspension

Check and adjust alignment regularly



## AGE

Tires deteriorate with age regardless of usage. The rubber in aged tires will harden, leading to a decrease in performance and traction. They're more prone to cracking, and may fail unexpectedly.

Aged tires should be thoroughly inspected every year. Manufacturers recommend replacing tires that are 6 years old from manufacture date. Tires (and spares) should not be older than 10 years.

**The DOT number on the side of your tire wall represents its manufacture date.**



Year of Manufacture  
Week of Manufacture  
(This tire was manufactured on the 10th week of 2014)

**NEED HELP? WE'RE HERE TO HELP!**

We're your Mazda experts. Talk to us today!

