

GRAEVES
AUTO & TIRE

Family owned and operated
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the Shop Rag

A monthly publication filled with industry news, maintenance and safety tips, upcoming events, special coupons, and more!



often referred to as full-time AWD. The second operates in two-wheel drive (2WD) most of the time with power delivered to all four wheels only when needed. This is referred to as part-time, or automatic AWD.



All-Wheel vs. Four-Wheel...

Today, numbers suggest that 45% of new vehicles sold in the U.S. are equipped with either all-wheel drive (AWD) or four-wheel drive (4WD). As you would guess, this rate is much higher in states with cold and snowy winters. So, what is the difference between AWD and 4WD and which is right for you?

What Is AWD?

As the name suggests, AWD systems are capable of sending power to both the front and rear wheels all at the same time. There are two types of AWD available. One drives all the wheels continuously,

AWD Pros and Cons

PROs

- Driver doesn't have to decide when to engage AWD.
- Now available on a wide variety of vehicles.
- Works well in a variety of conditions, from rain to snow to light off-roading,

CONs

- Generally considered a lesser choice by serious off-roaders.
- Increase to the cost of a vehicle.
- In most cases, will reduce fuel economy.



What Is 4WD?

A more traditional system of delivering power to all 4 wheels, that is still found primarily in large trucks and SUVs and more

capable of serious off-road use. Like AWD systems, 4WD is designed to send torque to all four of a



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Punxsutawney Phil...

vehicle's wheels to increase traction when needed. It also comes in both full-time and part-time, but also includes selectable low (max traction) and high ranges. Today, it can be found on a wider variety of comfortable, even luxurious, models.

4WD Pros and Cons

PROs

- Best for extreme adverse conditions.
- Available in luxury trucks and SUVs.
- Maximum pulling power great for work or play.

CONs

- Usually delivers a stiffer ride.
- Much worse fuel economy.
- Increase to cost of a vehicle.

Performance in the Snow

AWD systems are best when encountering continuously changing road surfaces. These can change from soft snow to slushy snow to hard snow to ice, so AWD is either in full-time mode or automatically reacting to the changing conditions.



4WD systems are generally better suited when navigating deeper snow or more extreme winter conditions. Getting unstuck from deep snow, climbing icy hills, and getting to work before roads are plowed can all be much easier with 4WD.



See Page 3 for this month's special coupon!



Ground Hog Day is Saturday, February 2nd. Will we have 6 more weeks of Winter?

No Shadow = Early Spring!
39% Accuracy...
Stay tuned!



Car Care "Tip of the Month"

Wiper Fluid!

The roads can be a mess this time of year and you have probably been using quite a bit of your windshield washer fluid. Don't forget to check and refill it before you run out!



Did You Know?

Tiger Woods' real first name is Eldrick.



Crocodiles swallow rocks to help them dive deeper.



A hippo can run faster than a man.



Your foot has 26 bones in it.

February



Just For Your Special Valentine!



**Treat your valentine to great deals
at Graeves Auto & Tire!**

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COUPON

Print and bring this coupon with you to Graeves Auto & Tire at the time of purchase and receive a free tire inspection and brake inspection along with a free tire rotation with a purchase of \$150 or more.

(This coupon may not be used in conjunction with any other promotions or coupons.)

Coupon expires: February 28, 2019

COUPON