

GRAEVES
AUTO & TIRE

Family owned and operated
serving Montgomery County
since 1952...

the Shop Rag

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



Effects of Winter...

Severe cold weather is upon us and can affect the way your car operates. Here are a few things to consider or look out for this winter!

- 1) The rubber in all-season tires hardens when the temperature drops below 44 degrees, causing them to lose grip with the roadways. True "winter" tires can remain soft and stick to the roadways in sub-zero temperatures.
- 2) Motor oil will thicken (gain viscosity) when cold, making it harder for the engine to turn over on the first start of the day. Thinner oil grades may aid cold-weather starting. 20W oil will begin

to thicken at 0 degrees, 10W at -20, 5W at -30, and 0W at -40.



- 3) That first start may also be affected by a weakened battery in severely cold temperatures. A battery will lose ½ of its' starting power at 0 degrees.
- 4) Your engine runs least efficiently during the first 20 minutes or so after a cold start-up, before it has warmed to operating temperature. During this time, it runs rich (high gasoline-to-air ratio to prevent stalling). Short trips in cold weather are considered severe operation because all fluids and systems have not warmed to normal operating temperatures.
- 5) As a result of running rich and the time needed to bring your car to operating



Graeves Auto & Tire
is a AAA approved auto
repair center.

For more information please visit:
www.graevesauto.com





January 2018 New Years Special!

at Graeves Auto & Tire



**Start the year off right for your vehicles
with an oil change and tune up!**

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COUPON

Print and bring this coupon with you to
Graeves Auto & Appliance at the time of purchase
and receive 10% off an oil change and tuneup.

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

Coupon expires: January 31, 2018

COUPON

1) Flint, MI, 2) Personal Transport, 3) 1953, 4) Fuel Injection