

Smells Like... (Finished in app)

Burning Oil

- Dangerously Low Oil
- Leaking Oil
- Engine Overheating
- Low on or Leaking Transmission Fluid
- Overheated Brake System
- Burning Clutch

Gasoline

- Loose or Missing Gas Cap
- Fuel Tank Leak
- Fuel Line Leak
- Engine Using Excessive Fuel Amounts
- Cracked/Loose Spark Plugs
- Bad Fuel Pressure

Burning Rubber

- Engine Burning Oil
- Radiator Coolant Leak
- Drive Belt Slipping
- Clutch Slipping
- Automatic Transmission Overheating
- Brakes Overheating

Electrical Burning

- Electrical Short Circuit
- Wires Overheating

Sweet (Sugary, Syrup like smell)

- HVAC System Leaking
- Antifreeze/Coolant Boiling Off
- Coolant Leak
- Heater Core Is Leaking

Other

Feels Like... (Finished in app)

Vehicle Shaking

- Shaking when Braking -> Worn Out Brake Rotors.
 - To know if this is happening and your rotors need to be replaced, you may hear grinding noises when you brake or see rust or scoring on your rotors.
 - Average Cost for Repair: it costs between \$150 and \$500 per axle to replace the brake rotors. Usually, the front brake rotors are a little more expensive than the rear ones
- Shaking when Braking -> Sticking Brake Calipers.
 - To know if this is happening, your car may pull to either side. Another symptom is your brake pedal sticks or stays down. You can also look for any signs of brake fluid leaking from your vehicle.
 - Average Cost for Repair: replacing a brake caliper usually costs about \$250-\$600 per wheel. Alternatively, you can instead repair the caliper, which costs between \$250-\$350 per caliper.
- Worn Out Suspension
 - To confirm this is the issue, you may notice clunking noises when you hit a bump, your car veering to one side, irregular tire wear, or fluid leaking.
 - Average Cost for Repair: The average cost of this repair is about \$1,000-\$5,000 depending on your vehicle. It is recommended to not try and do this repair yourself and to instead seek a repair shop.
- Insufficient Idle RPM
 - To confirm this is the issue, you should check your fuel injectors and see how they are, as they may be dirty. Your spark plugs may also be worn

out. This issue can also be caused by a faulty throttle pedal position sensor.

- Average Cost for Repair: To repair a faulty throttle pedal position sensor, it will cost about \$300 at a shop. If the issue is instead caused by worn out spark plugs, you can do this yourself for \$20-\$50.
- Clogged Fuel Intake
 - To confirm this is the issue, you may smell very strong odors, have hard starts, poor acceleration, or low engine performance.
 - Average Cost for Repair: to repair the intake, it would cost between \$400-\$600 at a repair shop.
- Damaged Fuel Pump
 - To confirm this is the issue, your car may overheat, sputter at high speeds, lose power, not start, or lose gas mileage.
 - Average Cost for Repair: The cost to replace a fuel pump starts at around \$380-\$500. There are also temporary fixes one can try, but it is highly recommended to just go to a shop

Bad Braking

- Worn Out Brake Rotors
 - See the description above
- Sticking/Worn Out Brake Calipers
 - See the description above
- Broken Brake Hoses
 - If this is the issue, you may experience a mushy brake pedal or leaks.
 - Average Cost of Repair: To totally replace the brake hoses, it would cost about \$270 at a shop.
- Uneven Tire Pressure -
 - To confirm this issue, check to see if there are uneven tire wear on your tires. You may also experience problems steering or bad fuel economy
 - Average Cost for Repair: Free if you have access to an air compressor. All you need to do is measure the pressure in each tire and fill up the ones that are low
- Worn Suspension Parts
- Uneven Brake Wear

Vehicle is slow

- Problem with fuel system
- Bad fuel pump -
 - To confirm this issue, you may have trouble starting your car, low power, sputtering, or hear a loud whining sound
 - Average Cost for Repair: For a lower-end or older car, a replacement fuel pump installation can cost around \$200-\$300. For a higher-end or more complex vehicle, the installation can cost \$2500
- Clogged Fuel Filter -
 - if this is the issue, you may also experience poor acceleration, engine hesitation, engine stalling or stoppage, or a strong odor
 - Average Cost for Repair: you can replace your fuel filter for about \$50 if you do it yourself or for around \$80 if you have a mechanic do it
- Worn Out Clutch
- Clogged Catalytic Converter/Exhaust -
 - To confirm this is the issue, you may also have poor fuel economy and poor engine performance. a "check engine" light may also show.
 - Average Cost for Repair: If it is lightly clogged, you can buy cleaners that range from \$8 to \$20. However, if it is to the point that it may be too damaged or old, replacing it may cost around \$1,000.

Poor Shifting

- Improper adjustment to release linkage or faulty -
 - To confirm this issue
- Worn engine mounts -
 - You may have this issue if you hear sounds of the engine bouncing around in the bay.
 - Average Cost for Repair: to replace the mounts, it would cost around \$200
- Worn transmission mounts
- Improper installation of the shifter
- Bell housing misalignment
- Bent shift fork or damage pivot ball
- Damage or defective pressure plate drive straps
- Improper lubrication of the input shaft during installation
- Clutch disc spring carriage hitting flywheel or flywheel bolts -
 - You can confirm this issue ...

- Average Cost of Repair: This issue can potentially be solved by reversing the clutch disk
- Pilot bearing/bushing binding on the transmission input shaft
- Worn transmission synchronizer rings

Steering is not straight

- Normal wear and tear -
 - Average Cost for Repair: Bring to shop so they can evaluate car. Price will vary
- Recent accident
- Hit a lot of potholes recently
- Suspension damage -
 - To confirm this is the issue, you may also experience feeling more bumps in the road or your car may be sitting lower than the other parts of your car.
 - Average Cost to Repair: The cost widely varies based on the state of the suspension, but a total suspension replacement can cost up to \$5,000.

Other

Looks Like... (Finished in app)

Smoke

- Low on oil -
 - When you are low on oil, your oil light on your car may light up and you may also smell burning.
 - Average Cost for Repair: you can do an oil change yourself for about \$25, but if you go to a shop, it can cost up to \$100.
- Low on transmission fluid
- Low on coolant -
 - When you are low on coolant, your engine may overheat or seize
 - Average Cost of Repair: if your coolant just needs a refill, it will cost about \$120 to have it done at a shop

- Burning off some condensation on engine -
 - if this is the issue, allowing the condensation to burn off on its own is the best idea
- Piston gasket ring wore out
- PCV tube clogged

Poor gas mileage

- Low tire pressure -
 - If this is the issue, you may have a bumpier drive and your tires may wear unevenly
 - Average Cost of Repair: free if you have access to an air compressor. Simply fill up the tires that are low until they are all the same pressure
- Air filter could be old or dirty -
 - When your air filter is old or dirty, your engine may make strange noises, you may have a strong fuel smell, or black smoke may come from the exhaust pipe.
 - Average Cost of Repair: if they air filter is just dirty, you can clean it at home. If it is old, a replacement at a shop may be about \$30.
- Oxygen sensors failing or tripping when it should not
- Spark plugs not functioning properly -
 - If your spark plugs are not functioning properly, you may also experience slow acceleration and rough idling
 - Average Cost of Repair: Replacing spark plugs costs about \$140.
- Dirty/bad fuel injector and or filter
- Running the A/C a lot
- Exhaust pipe leak
- Motor oil type could be wrong for your car
- Aggressive driving
- Excessive Idling

Worn tire

- Old tires -
 - You can tell if your tires are old by the date on the side of them
 - Average Cost of Repair: replacing all 4 tires can cost between \$600-\$800.

- Tires with a lot of millage on them -
 - Tires with a lot of mileage on them may be very worn out and potentially require replacement.
- Hole punctured in tire -
 - A hole in your tire can cause your wheel to lose pressure which can cause your car to veer a certain direction. It may also create uneven wear on your tires.
 - Average Cost of Repair: If the hole is minor, you can purchase a patch kit for about \$30. If it is a large hole, you may need to replace the tire, which can be \$100-\$200

Warning Light

- Your cars temperature is too high -
 - The temperature in your car can be high due to things such as having air in the cooling system, worn out hosing or fan, or worn water pump
 - Average Cost for Repair: if you have air in the cooling system, you may need a coolant flush, which can range from \$71 to \$115.
- Low oil pressure
- Batter charge is low
- Tire pressure is low -
 - This warning light illuminates if one or more of your tires are low on air
 - Average Cost for repair: if it is simply low on air, you can fill up the low tires with an air compressor. If the tires are leaking, you may need to replace them, which can cost \$130
- Door is open
- Engine is malfunctioning -
- Braking system problem

High Engine Temp

- Low or to little coolant/leak

- Broken water pump -
 - A broken water pump can cause a coolant leak and make your engine overheat
 - Average Cost for Repair: If you replace the water pump yourself, it will cost \$200-\$350, but if you have a mechanic replace it, it can cost upwards of \$750
- Radiator issue
- Oil is low
- Engine thermostat failure -
 - An engine thermostat failure can be the cause of your engine overheating, erratic temperature changes, and coolant leaks
 - Average Cost for Repair: To replace the thermostat by itself, it costs an average of \$150-\$200
- Belts are not functioning properly
- Heat exchanger clogged or blocked -
 - a clogged heat exchanger can cause overheating and coolant leaks
 - Average Cost for Repair: you can purchase heat exchanger unclogged for about \$8

Other

Sounds Like... (Finished in app)

Tapping/Pinging

- Improper fuel octane
- engine overheating -
- improper ignition timing-
- EGR valve not functioning properly
- Piston or seal broken -

Engine Running Poor (Same results?)

- Improper fuel octane
- engine overheating

- improper ignition timing
- EGR valve not functioning properly
- Piston or seal broken

Engine Backfires

- Bent Or Damaged Valve -
- Incorrect Spark Firing Order -
- Bad Ignition Timing -
- Wrong air/fuel mixture

Squealing Noise

- Bad, slipping, or failing serpentine belt also known as drive belt
- Brakes could be going bad -
- Whistle of overheating -
- Power steering problem -
- Bad Bearing on engine

Noise When Stopping

- Brakes could be going bad

Other

Won't Start (Finished in app)

Electric But No Start -

- Starter solenoid problem if you don't hear a click but radio and lights work
 - If the starter engages but does not disengage when you let go of the key.
 - Average Cost of Repair: Cost of replacement ranges from \$200-\$500 for mechanic.

- Ignition switch problem or fuse to it problem
 - Difficulty turning the key
 - Average Cost of Repair: Between \$300-\$400 on average cost of replacement.
- Might need new spark plugs if you hear it trying to start.
 - Your car will not start but you are here the spark plugs going off.
 - Average Cost of Repair: Can cost between \$16-\$100 for a new set of spark plugs.

Engine Dies/Stalls -

- Lack of fuel
 - You experienced engine sputter or any signs of fuel starvation from car before it shut off.
 - Get a friend or service to bring you gas to start your car again.
- Your alternator could be dead
 - You could see your cars' front headlights dim or be overly bright. Your batter could hold a charge but is dying duo to not working alternator. Trouble starting car.
 - Average Cost of Repair: It cost anywhere from \$100-\$400 to replace alternator.
- Air intake/filter clogged causing engine to not get air.
 - Remove blockage or clean air filter.
 - Average Cost of Repair: To buy a new air filter it cost between \$15-\$25.

Shift But No Movement -

- Clutch components have worn out
 - Your clutch pedal could feel stuck or lose. You could have weak acceleration. Will not stay in gear or wont shift into gear.
 - Average Cost of Repair: Can cost between \$500-\$2500 to fix clutch.

- Transmission stuck in two gears at the same time causing not to move
 - The solenoid in your transmission could be failing or faulty sensors.
 - Average Cost of Repair: The average price to repair transmission is \$300-\$1,400.
- Shift mechanism malfunction keeping you from selecting a gear
 - You cannot move your shifter.
 - Average Cost of Repair: If the cause is a loose shifter linkage could be between \$50-\$75. Could also be shifter cables which cost around \$100-\$300.

No Electric at All -

- Battery has gone bad and should be taken for testing
 - The battery could be old. You could take it to a shop to test your battery.
 - Average Cost of Repair: Replacing a battery can cost between \$45-250 depending on who does it and how long of a lasting battery you want.
- Fuse is blown stopping your car from running
 - If you see any burnt/melted wires in fuse box area.
 - Average Cost of Repair: New fuse cost between \$10-\$20. Price will vary due to labor if you have a mechanic replace it.
- Ignition switch power failure
 - Difficulty turning the key.
 - Average Cost of Repair: Between \$300-\$400 on average cost of replacement.

Weak Engine -

- Engine replacement needed
 - You have an old car and your whole engine most likely needs replaced.
 - Average Cost of Repair: To replace Engine it can cost between \$3000-\$6000.

Other