1. Battery
   * Description: Provides electrical power needed to start the car and run accessories.
   * Breakdown Reasons: Corrosion on terminals, age-related deterioration, electrical system drain.
   * Possible Fixes: Clean terminals with a baking soda solution and a wire brush. Replace the battery with a new one if it no longer holds charge. Inspect and repair electrical systems to prevent unnecessary drains.
   * Price: $50-$150
2. Alternator
   * Description: Charges the battery and powers the car’s electrical systems while driving.
   * Breakdown Reasons: Worn bearings, faulty voltage regulator, broken belt.
   * Possible Fixes: Replace the alternator if bearings are damaged beyond repair. Replace the voltage regulator if it’s not controlling voltage properly. Install a new serpentine belt if it’s broken or worn.
   * Price:
     + Alternator: $200-$500
     + Voltage Regulator: $20-$100
     + Serpentine Belt: $20-$50
3. Starter Motor
   * Description: Responsible for cranking the engine during startup.
   * Breakdown Reasons: Worn starter solenoid, damaged flywheel gear, electrical connection issues.
   * Possible Fixes: Replace the solenoid or starter motor if it fails to engage properly. Repair or replace the flywheel if teeth are damaged. Tighten or clean electrical connections to restore power flow.
   * Price: $100-$300
4. Fuel Pump
   * Description: Delivers fuel from the tank to the engine at the correct pressure.
   * Breakdown Reasons: Clogged fuel filter, worn pump motor, electrical failure.
   * Possible Fixes: Replace a clogged fuel filter to restore proper fuel flow. Install a new fuel pump if it has failed completely. Inspect and repair wiring or relays for electrical issues.
   * Price:
     + Fuel Filter: $10-$30
     + Fuel Pump: $200-$500
5. Brake System
   * Description: Ensures safe stopping by converting kinetic energy into heat via friction.
   * Breakdown Reasons: Worn brake pads, warped rotors, leaking brake lines.
   * Possible Fixes: Replace worn brake pads with new ones to restore braking power. Resurface or replace warped rotors for smooth braking action. Repair or replace leaking brake lines and bleed the system.
   * Price:
     + Brake Pads: $20-$50 per set
     + Brake Rotors: $50-$150 each
     + Brake Lines: $20-$100
6. Timing Belt
   * Description: Synchronizes engine components like the crankshaft and camshaft.
   * Breakdown Reasons: Age-related wear, improper tension, oil contamination.
   * Possible Fixes: Replace timing belts every 60,000–100,000 miles as per manufacturer recommendations. Adjust belt tension using a tensioner tool for proper alignment and function. Fix oil leaks before replacing a contaminated belt.
   * Price: $200-$500
7. Radiator
   * Description: Cools engine coolant by dissipating heat into the air.
   * Breakdown Reasons: Corrosion and leaks, clogged radiator fins, faulty thermostat.
   * Possible Fixes: Repair small leaks with sealant or replace severely damaged radiators entirely. Clean clogged fins using compressed air or water spray for better airflow. Replace a faulty thermostat with a new one to restore proper coolant flow.
   * Price:
     + Radiator: $200-$500
     + Thermostat: $20-$100
8. Spark Plugs
   * Description: Ignite the air-fuel mixture in your engine cylinders for combustion.
   * Breakdown Reasons: Normal wear, carbon buildup, incorrect gap.
   * Possible Fixes: Replace spark plugs every 30,000–50,000 miles (or as recommended). Clean fouled spark plugs with specialized cleaners if reusable; otherwise, replace them. Adjust spark plug gaps using a feeler gauge for optimal performance.
   * Price: $5-$20 per plug
9. Tires
   * Description: Provide traction and support for your vehicle's weight while driving.
   * Breakdown Reasons: Uneven wear, punctures, age-related deterioration.
   * Possible Fixes: Rotate tires regularly (every 5,000–7,500 miles) to ensure even wear. Patch small punctures using tire repair kits; replace tires for larger damage. Replace old tires (typically after 6–10 years) regardless of tread depth.
   * Price:
     + Tire: $50-$200 each
     + Tire Repair Kit: $10-$30
10. Suspension System
    * Description: Ensures smooth handling by absorbing shocks from road irregularities.
    * Breakdown Reasons: Worn shock absorbers/struts, damaged ball joints, broken springs.
    * Possible Fixes: Replace worn shock absorbers/struts for improved ride quality. Replace damaged ball joints to restore proper steering function. Install new coil springs if they are broken or sagging.
    * Price:
      + Shock Absorbers: $50-$150 each
      + Ball Joints: $20-$100 each
      + Coil Springs: $50-$200 each
11. Engine Belts
    * Description: Drive engine components like the alternator and water pump.
    * Breakdown Reasons: Wear, misalignment.
    * Possible Fixes: Replace belts, align properly.
    * Price: $20-$50 each
12. Water Pump
    * Description: Circulates coolant through the engine.
    * Breakdown Reasons: Wear, leaks.
    * Possible Fixes: Replace water pump.
    * Price: $50-$200
13. Transmission Fluid and Filter
    * Description: Lubricates and filters transmission components.
    * Breakdown Reasons: Low fluid level, dirty filter.
    * Possible Fixes: Check fluid level, replace filter.
    * Price:
      + Transmission Fluid: $10-$30 per quart
      + Transmission Filter: $10-$30
14. CV Joints
    * Description: Connects drivetrain components.
    * Breakdown Reasons: Wear, damage.
    * Possible Fixes: Replace CV joints.
    * Price: $50-$200 each
15. Driveshaft
    * Description: Transfers power from transmission to wheels.
    * Breakdown Reasons: Misalignment, wear.
    * Possible Fixes: Align driveshaft, replace if necessary.
    * Price: $100-$500
16. Power Steering Fluid and Pump
    * Description: Assists steering by providing hydraulic pressure.
    * Breakdown Reasons: Low fluid level, pump failure.
    * Possible Fixes: Check fluid level, replace pump.
    * Price:
      + Power Steering Fluid: $10-$30 per quart
      + Power Steering Pump: $100-$300
17. Exhaust System Components
    * Description: Directs exhaust gases away from the vehicle.
    * Breakdown Reasons: Leaks, damage.
    * Possible Fixes: Repair or replace components.
    * Price:
      + Exhaust Pipe: $50-$200
      + Catalytic Converter: $200-$1,000
18. Airbags and ABS System
    * Description: Safety features for crash protection and braking stability.
    * Breakdown Reasons: Malfunctioning sensors or components.
    * Possible Fixes: Replace faulty components.
    * Price:
      + Airbag Module: $100-$500
      + ABS Sensor: $50-$200
19. Seatbelts
    * Description: Restraint system for passenger safety.
    * Breakdown Reasons: Wear, damage.
    * Possible Fixes: Replace seatbelts.
    * Price: $20-$100 each
20. Air Filters
    * Description: Cleans air entering the engine.
    * Breakdown Reasons: Dirt buildup.
    * Possible Fixes: Clean or replace air filters.
    * Price: $10-$30 each
21. Fuel Cap
    * Description: Seals the fuel tank.
    * Breakdown Reasons: Loose or damaged cap.
    * Possible Fixes: Tighten or replace fuel cap.
    * Price: $10-$30
22. Headlights and Taillights
    * Description: Provide visibility and safety lighting.
    * Breakdown Reasons: Burned-out bulbs, damaged lenses.
    * Possible Fixes: Replace bulbs or lenses.
    * Price:
      + Headlight Bulb: $10-$50
      + Taillight Bulb: $5-$20
23. Wipers
    * Description: Clear windshield for visibility.
    * Breakdown Reasons: Worn blades, faulty motor.
    * Possible Fixes: Replace wiper blades or motor.
    * Price:
      + Wiper Blades: $10-$30 per set
      + Wiper Motor: $50-$200
24. Horn
    * Description: Provides audible warning.
    * Breakdown Reasons: Faulty horn or wiring.
    * Possible Fixes: Replace horn or repair wiring.
    * Price: $10-$50