**I. Engine System**

**A. Engine**

1. Cylinder block and cylinder head
2. Pistons, connecting rods, and crankshaft
3. Valvetrain components: valves, camshafts, and timing belt/chain
4. Fuel injection system: injectors, fuel pump, and fuel rail
5. Ignition system: spark plugs, ignition coils, and distributor (if applicable)

**B. Cooling System**

1. Radiator, coolant reservoir, and hoses
2. Water pump and thermostat
3. Fan and fan clutch
4. Heater core and heater hoses

**C. Exhaust System**

1. Exhaust manifold
2. Catalytic converter
3. Muffler and tailpipe

**II. Electrical System A. Battery and Charging System**

1. Battery
2. Alternator and voltage regulator
3. Starter motor and solenoid

**B. Lighting System**

1. Headlights, taillights, and brake lights
2. Turn signals and hazard lights
3. Interior lights and instrument cluster

**C. Ignition System**

1. Ignition switch
2. Ignition coil and spark plugs
3. Distributor (if applicable)

**III. Transmission System A. Manual Transmission**

1. Clutch assembly
2. Gearbox and gear selector mechanism
3. Driveshaft and differential

**B. Automatic Transmission**

1. Torque converter
2. Planetary gearsets and clutch packs
3. Valve body and shift solenoids

**IV. Suspension System A. Front Suspension**

1. MacPherson strut or double wishbone setup
2. Control arms and ball joints
3. Stabilizer bar and bushings

**B. Rear Suspension**

1. Solid axle or independent suspension
2. Coil springs or leaf springs
3. Shock absorbers

**V. Brake System A. Brake Master Cylinder**

1. Master cylinder and brake fluid reservoir
2. Brake lines and hoses
3. Brake booster

**B. Disc Brake**

1. Brake caliper, brake pads, and rotor
2. Anti-lock Braking System (ABS) components

**C. Drum Brake**

1. Wheel cylinder, brake shoes, and brake drum