

## **(MECHANISM / MECHANICAL and ELECTRICAL / ELECTRONIC)**

### **Full parts coverage list by system**

#### **ENGINE SYSTEM**

##### **Internal Parts**

[M] Cylinder Head  
[M] Camshaft (Intake & Exhaust)  
[M] Camshaft Bearing Cap  
[M] Camshaft Bearing  
[M] Camshaft Gear  
[M] Camshaft Spacer Ring  
[M] Intake & Exhaust Valve  
[M] Intake & Exhaust Valve spring & keeper  
[M] Camshaft Pushrod  
[M] Camshaft Follower  
[M] Racker Arm  
[M] Tappet  
[M] Valve Guide

##### **External Parts**

[E] Engine Control Module (ECU,ECM,DME)  
[E] Camshaft Adjuster  
[E] Camshaft Adjuster Solenoid  
[E] Valvetronic Motor  
[E] Variable Valve Gear/ Variable Valve Timing  
[E] Emission Air Pump  
[E] Turbo Control Solenoid  
[M] Turbocharger  
[M] Supercharger  
[M/E] Engine Vacuum Pump

##### **Others**

Labour for Workmanship (Cylinder Liner)  
Labour for Overhaul

##### **Warranty Exclusions**

\*not accept for damage caused by oil seepage, water entry, modification, noise, overheated, fire, accident, timing run out, water leaking, crack, melted

\*not include for lubricant oil, oil ring, seal, cable, gasket, screw, bearing, programming, fuse, relay, sealant, lamp bulb, wiper blade, belting, timing belt and chains, thermostat, filters, hoses, wear and tear item

##### **Internal Parts**

[M] Cylinder Block  
[M] Piston  
[M] Piston Ring  
[M] Piston Pin / Wrist Pin  
[M] Connecting Rod  
[M] Connecting Rod Cap  
[M] Connecting Rod Bearing  
[M] Crankshaft  
[M] Eccentric Shaft  
[M] Crankshaft Spacer Ring  
[M] Main Bearing (Upper & Lower)  
[M] Oil Pump  
[M] Balancer Shaft

##### **External Parts**

[E] Camshaft Position Sensor  
[E] Crankshaft Position Sensor  
[E] Eccentric Position Sensor  
[E] Oil Lever Sensor  
[E] Oil Pressure Sensor  
[E] Engine Temperature Sensor  
[E] Knock Sensor  
[E] Oxygen Sensor (O2,HO2)  
[E] Nitrogen Oxide Sensor/Module (Nox)

## **TRANSMISSION SYSTEM**

### **Internal Parts**

- [M] Torque Converter
- [M] Dual Clutch Assemble (\*automatic transmission)
- [M] Input Shaft & Output Shaft (Gear Shaft)
- [M] Planetary Gear Sets
- [M] Brake Bands
- [M] Clutch Assembly (\*automatic transmission)
- [M] Pressure Plate (\*automatic transmission)
- [M] Idler Gear & Driver Gear
- [M] Transmission Bonded Piston
- [M] Transmission Oil Pump

### **External Parts**

- [E] Transmission Control Module (TCM,TCU)
- [E] Gear Shifting/Selector Module
- [E] Transmission Speed Sensor
  - Gear Speed, -Turbine Speed, Output Speed
- [E] Transmission Oil Temperature Sensor

### **Others**

- Labour for Workmanship
- Labour for Overhaul

### **Warranty Exclusions**

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- \*not include for lubricant oil, oil ring, seal, cable, gasket, screw, bearing, programming, fuse, relay, sealant, lamp bulb, wiper blade, belting, timing belt and chains, thermostat, filters, hoses, wear and tear item

### **Internal Parts**

- [E] Electro Hydraulic Control Unit
  - (Valvebody Control Unit)
- [E] Mechatronic
- [E] Electronic Control Solenoid
  - Pressure Regulator Solenoids (EDS)
  - Magnetic Valve Solenoids (MV)
- [M] Drive & Driven Gear
- [M/E] Valvebody

## **REAR AXLE & FRONT AXLE (4WD & RWD & FWD) PARTS COVERED**

[M] Differential Assembly - Limited-Slip Differential (LSD) - Torsen Differential	[M] Spider Gear Set [M] Ring Gear [M] Differential Bearing
[M] Transfer Case Assembly - Manual Shift - Electronic Shift	[M] Differential Clutch / Plate [M] Differential Case [M] Rear End Ring
[M] Planetary Gear Set	[E] Electrical Motor

### **External Parts**

- [E] Transfer Case Control Module
- [E] Transfer Case Shift Motor

## **BRAKING SYSTEM PARTS COVERED UNDER WARRANTY**

- [E] ABS Control Unit/Module ( DSC, ESP, ASC.. )
- [E] ABS Pump/Motor ( DSC, ESP, ASC.. )
- [E] Wheel Speed Sensor
- [E] Parking Brake Control Unit
- [E] Parking Brake Motor  
\*not include cable

## **AIR CONDITIONING PARTS COVERED UNDER WARRANTY**

- [M/E] A/C Compressor \*not accept for noise
- [E] A/C Blower Motor
- [E] A/C Fan Motor (Auxiliary Fan Motor)
- [E] A/C Steeper Motor
- [E] A/C Flap Motor

## **STEERING SYSTEM PARTS COVERED UNDER WARRANTY**

- [M/E] Steering Rack (Motor/Power)
- [M] Power Steering Pump
- [E] Steering Column Motor
- [E] Steering Control Module/Unit

## **COOLING SYSTEM PARTS COVERED UNDER WARRANTY**

- [E] Cooling Fan Motor

## **ELECTRICAL PARTS COVERED UNDER WARRANTY**

- [E] Alternator \*not accept for noise
- [E] Starter Motor
- [E] Ignition Coil / Glow Plug
- Electrical and Motor operation

### **Others**

- Labour for Workmanship
- Labour for Repair

### **Warranty Exclusions**

- \*not accept for damage caused by oil seepage, water entry, modification, noise, overheated, fire, accident, timing run out, water leaking, crack, melted
- \*not include for lubricant oil, oil ring, seal, cable, gasket, screw, bearing, programming, fuse, relay, sealant, lamp bulb, wiper blade, belting, timing belt and chains, thermostat, filters, hoses, wear and tear item