

PREVENTIVE MAINTENANCE PLAN

MR. Customer
1999 Land Rover Discovery 4.0L
85,410 Miles
License: LEESBURG

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At Loudoun Auto Repair Inc, we're committed to the safety and reliability of your vehicle. Our expert technicians can recommend the right scheduled services to help prolong the life of your car and help prevent costly repairs in the future. Your vehicle is one of your largest investments...so let us help you protect it. Your 1999 Land Rover Discovery 4.0L currently has 85,410 miles, and your vehicle manufacturer recommends that you have the following items inspected, replaced or serviced at 90,000 miles.

NEXT SCHEDULED MAINTENANCE

90000 MIs.

Federal

INSPECT ITEMS

Your vehicle manufacturer recommends that you have the following items inspected at 90,000 miles.

- | | | |
|------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Accessory Drive Belt, Serpentine | <input checked="" type="checkbox"/> Brake Discs, Calipers, and Pads | <input checked="" type="checkbox"/> Brake Lines |
| <input checked="" type="checkbox"/> Coolant Hoses | <input checked="" type="checkbox"/> Driveshafts | <input checked="" type="checkbox"/> Engine and Transmission Mounts |
| <input checked="" type="checkbox"/> Exhaust System | <input checked="" type="checkbox"/> Exhaust System Heat Shield | <input checked="" type="checkbox"/> Fuel Lines |
| <input checked="" type="checkbox"/> Parking Brake System ² | <input checked="" type="checkbox"/> Power Steering Fluid | <input checked="" type="checkbox"/> Radiator Core and Condenser |
| <input checked="" type="checkbox"/> Seat Belts Condition and Operation | <input checked="" type="checkbox"/> Shock Absorbers and Bushings | <input checked="" type="checkbox"/> Steering Gear Box ² |
| <input checked="" type="checkbox"/> Steering Linkage | <input checked="" type="checkbox"/> Suspension | <input checked="" type="checkbox"/> Tire Pressure and Wear |
| <input checked="" type="checkbox"/> Wheel Speed Sensor Wiring | <input checked="" type="checkbox"/> Windshield Wiper Operation | |

REPLACE OR SERVICE ITEMS

Your vehicle manufacturer recommends that you have the following items serviced and/or replaced at 90,000 miles.

Maintenance Item

Replace Air Cleaner Filter/Element ³

The Air Cleaner Filter/Element prevents dirt and other material from entering the engine's intake system. A dirty Air Cleaner Filter may cause engine performance concerns such as low power, poor fuel economy or a rough running engine. Replace air cleaner filters in accordance with manufacturer service schedule.

Service Automatic Transmission

The Automatic Transmission transfers power from the engine to the driving wheels in several gear ranges. It also allows reverse operation. Automatic Transmission Fluid should be changed regularly as prescribed by the manufacturer service instructions to reduce wear of internal parts, and ensure optimal operation of transmission.

Replace Axle Fluid/Oil, Front

Axle fluid is a heavy weight oil used to lubricate the gears and bearings in front or rear differentials. Periodic servicing of axle lubricants/fluids is recommended to maintain axle condition.

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REPLACE OR SERVICE ITEMS (cont.)

Your vehicle manufacturer recommends that you have the following items serviced and/or replaced at 90,000 miles.

Maintenance Item

Replace Axle Fluid/Oil, Rear

Axle fluid is a heavy weight oil used to lubricate the gears and bearings in front or rear differentials. Periodic servicing of axle lubricants/fluids is recommended to maintain axle condition.

Replace Brake Fluid

When the pedal is depressed, the master cylinder transfers Brake Fluid to apply the calipers or wheel cylinders, slowing or stopping the vehicle. Brake Fluid may lose some lubricating or stability properties with time and use. High heat from brakes coupled with water vapor from the air can wear down the fluid. Determining fluid condition and servicing, replacing or flushing may be a repair as prescribed by manufacturer service instructions.

Lube Door Check Straps, Locks and Striker Plates

The Door Check Straps prevent the doors from opening too far and contacting the fenders. They also provide resistance to help prevent the door from closing unintentionally. Dry or broken Door Check Straps allow doors to open too far or bind when in the open position. Periodic inspection and lubrication may be needed to maintain the check straps condition.

Lube Driveshaft U-Joints

Driveshaft U-Joints allow the driveshaft to flex with up and down movement between the transmission and differential. The Driveshaft U-joints and slip yoke splines should be lubricated to prevent component failure.

Flush Engine Coolant

Engine Coolant helps remove excess heat from the engine and keep it at a normal operating temperature. It also provides heat for the climate control system and protection against overheating and freezing in colder temperatures. Engine Coolant should be inspected regularly for condition of freeze/boil protection, corrosion resistance and level. If determined to be inadequate the Engine Cooling System's antifreeze/coolant should be changed or flushed at regular intervals to ensure optimal performance.

Change Engine Oil ³

Engine Oil is used to lubricate moving engine parts and operate some hydraulic parts of the engine itself. Engine oil performs many functions such as cleaning, cooling, lubricating and preserving. The engine oil should be routinely checked for fluid level & condition and replaced if too dirty or lost lubricating qualities.

Replace Engine Oil Filter ³

Engine Oil Filters in combination with modern detergent oils remove most of the abrasive particles that accumulate and circulate through the engine lubrication system. Regular replacement of Engine Oil Filters can help to reduce engine wear, and prolong the life of the engine.

Lube Hood Latch Pivot Points, Internal Contact Areas and External

Hood Latch Pivot Points, Internal Contact Areas and External Area Contacting The Hood Striker are points that should be lubed and possibly adjusted to ensure secure latching of the hood. Failure to lube or adjust may cause some difficulty in opening or latching the hood.

Lube Locks and Hinges

Door Hinges provide a pivot point for the door to open. Locks open or hold the doors closed during operation of vehicle and provide security. Locks and Door Hinges get dry and rusty from constant exposure to road conditions. Lubricating these on a regular basis will maintain the locking/unlocking or opening/closing and may prevent component failures.

Replace Spark Plugs

The Spark Plugs are located in the cylinder and ignite the compressed air fuel mixture in the combustion chamber or cylinder which forces the pistons down. This process is a key part of what makes the engine run. The Spark Plugs electrodes wear with use. Regular spark plug inspections should be performed at the recommended intervals and the spark plugs should be replaced when severely worn.

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REPLACE OR SERVICE ITEMS (cont.)

Your vehicle manufacturer recommends that you have the following items serviced and/or replaced at 90,000 miles.

Maintenance Item

! Replace Transfer Case Oil

Transfer Case Fluid lubricates the internal shafts, gears and seals during operation. Transfer Case Fluid that is changed regularly as per manufacturer service instructions may reduce internal component wear and improve performance.

'CATCH-UP' SCHEDULED MAINTENANCE

Items based on the Maintenance Schedule that should have been recommended within the last 30,000 miles

Maintenance Item

! Replace Accessory Drive Belt

Every 75,000 miles

Accessory Drive Belts use engine power to operate other accessories such as power steering, A/C, water pump, air pump, alternator, etc. Some have self adjusting tensioners while others need manual tension adjustments. Monitoring the Accessory Belt Tensioner condition and lubricating or replacing when necessary may prevent a failure while driving.

Maintenance Notes Key

2 = Adjust if necessary.

3 = Required emission maintenance.

Issues known to occur or not occur with your vehicle model and year.

RELIABILITY REPORT

1999 Land Rover Discovery 4.0L

CATEGORY	RATING	COMMENTS
Heating & Air Conditioning	✓	Infrequent problems reported, all with low repair cost
Engine	!	An occasional problem on this vehicle is the failure of the Mass Air Flow (MAF) Sensor. Problems in the MAF Sensor may cause the Check Engine Light to illuminate.
Steering & Suspension	✓	Infrequent problems reported, all with low repair cost
Transmission & Driveline	✓	Infrequent problems reported, all with low repair cost
Starting & Charging	✓	Infrequent problems reported, all with low repair cost
Accessories	✓	Infrequent problems reported, all with low repair cost
Brake	✓	Infrequent problems reported, all with low repair cost

RATINGS KEY: ✓ Minimal Problems ! Moderate Problems ✗ Significant Problems

NOTES/COMMENTS: _____

