

Auto Service Summary

Shop: Performance Tire & Auto

Date: June 11, 2025

Reason For Visit

The vehicle was brought in for a regular oil change, a comprehensive vehicle inspection, and because the engine light was on. The service team also performed diagnostics due to multiple engine misfire codes and the camshaft timing issue.

Repair Summary

The team performed a complete vehicle inspection and changed the oil using Dexos semi-synthetic oil, which helps keep your engine running smoothly. While diagnosing the cause of the engine light, it was found that rodents had damaged the camshaft sensor wiring. The damaged part was replaced, but the issue persisted as the camshaft timing oil control valve was found to be stuck due to debris. The struts and rear shocks were replaced to ensure better vehicle stability and ride comfort. A serpentine belt and its associated A/C compressor drive belt were replaced to prevent loss of power to essential components. Additionally, the right rear leaf spring was replaced to support vehicle load balance.

Major

Front Struts Replacement:

Ensures the vehicle absorbs shocks properly for a smooth ride.

Severe wear could lead to handling issues or excessive tire wear.

Rear Shocks Replacement:

Maintains vehicle stability and comfort.

Worn shocks can cause poor handling and increased braking distance.

Right Rear Leaf Spring Replacement:

Supports vehicle load and maintains ride height.

A broken leaf spring can cause vehicle sagging and uneven tire wear.

Moderate

Camshaft Sensor Wiring Replacement:

Essential for proper engine timing and operation.

Damaged wiring can disrupt engine performance leading to misfiring.

Serpentine Belt Replacement:

Drives multiple accessories like the alternator and power steering pump.

A broken belt can cause complete engine accessory failure.

Minor

Oil Change with Dexos Semi-Synthetic Oil:

Keeps engine components lubricated and running efficiently.

Skipping oil changes can lead to engine wear and possible failure.

Connector Replacement:

Ensures electrical systems function correctly.

Faulty connectors can lead to intermittent electrical failures.

Cost Breakdown

1. Complete Vehicle Inspection: \$19.95
2. Semi-Synthetic Oil Change: \$67.75
3. Testing and Inspection: \$159.22
4. Connector: \$11.42
5. Service Package - Engine VVT Solenoid: \$303.95
6. Service Package - Valve Cover Gasket: \$327.80
7. Service Package - Serpentine Belt: \$162.85
8. Strut/Shock Replacement - Front: \$998.27
9. Strut/Shock Replacement - Rear: \$435.98
10. Right Rear Leaf Spring: \$858.41
11. Timing Chain Guide: \$37.55
12. Enviro & Technology Fee: \$3.88
13. Job Supplies: \$86.43
14. Sales Tax: \$324.77
- Total: \$3,798.23

What Does This Actually Mean?

Camshaft Sensor Wiring: This wiring transmits crucial information about the camshaft position to the engine control unit to ensure proper timing of engine functions. If the wiring is damaged, it can result in engine misfires or failure to start.

Camshaft Timing Oil Control Valve: This valve regulates oil flow to control the timing of the camshaft for optimal engine performance. If it becomes stuck, the engine could underperform or stall.

Serpentine Belt: A critical component that powers several essential vehicle functions, including the alternator and power steering. If it breaks, you will lose power to these essential functions, potentially stranding you.

Struts and Shocks: These parts are vital for absorbing road bumps and ensuring a comfortable ride. Worn or damaged struts and shocks can lead to poor handling and uncomfortable driving conditions.

Leaf Springs: These are vital for maintaining proper ride height and support for your vehicle's load. Broken leaf springs can lead to sagging and uneven tire wear.

Other Notes

All service work is covered by a nationwide 24-month/24,000-mile warranty. For any issues or questions, contact warranty support at 1-866-588-0728.

Recommendations

Regularly check under the hood for signs of rodent damage to wiring and other components.

Follow up on any recommended air filter and blower motor services to ensure clean airflow in your vehicle.

Keep up with regular oil change intervals to maintain engine health.

Monitor your vehicle for leaks, noises, and other anomalies and seek timely professional advice to protect your investment.