

Auto Service Summary

Shop: Performance Tire & Auto

Date: June 11, 2025

Reason For Visit

The vehicle was brought in for a check-up and maintenance, including an oil change, vehicle inspection, and to address an engine light issue. The owner likely noticed an engine warning light and might have experienced issues with the vehicle's performance.

Repair Summary

During this visit, a complete vehicle inspection was conducted. The oil was changed with high-quality synthetic oil, and the oil filter was replaced to ensure the engine runs smoothly. The team also investigated an engine warning light, discovering several misfires in cylinders and issues with camshaft position sensors, partially due to rodent damage. The camshaft timing oil control valve had debris causing it to stick; cleaning was attempted, but the valve remained stuck, warranting replacement. Additionally, the serpentine belt was replaced to maintain proper engine function, and both the front struts and rear shocks were replaced to improve ride quality. A new timing chain guide and right rear leaf spring were installed to ensure stability and proper suspension function.

Major

Camshaft Timing Oil Control Valve:

It was tested and determined to be stuck due to debris; replacement is recommended.

If not addressed, it can cause serious engine performance issues, affecting timing and efficiency.

Front Struts and Rear Shocks Replacement:

Replaced due to wear, essential for maintaining vehicle control and comfort.

Worn struts and shocks can lead to poor handling and increased stopping distances.

Right Rear Leaf Spring Replacement:

Replacing a compromised leaf spring is crucial for maintaining proper load-bearing capacity and stability.

Ignoring it can lead to uneven tire wear and alignment issues.

Moderate

Serpentine Belt Replacement:

Replaced to ensure all engine accessories function properly.

A failing serpentine belt might cause overheating and loss of function in systems like power steering.

Timing Chain Guide:

Necessary for keeping the engine's timing in sync.

If it fails, it can lead to improper engine timing and potentially significant engine damage.

Minor

Oil Change and Filter Replacement:

Regular oil change provides lubrication and protection for engine components. Skipping oil changes can lead to increased engine wear and eventual failure.

Connector Replacement:

Ensures electrical connections are intact, especially important with prior rodent damage.

Loose or faulty connectors can lead to intermittent electrical issues.

Cost Breakdown

1. Complete Vehicle Inspection: \$19.95
2. Oil Change: \$67.75
3. Testing and Inspection: \$159.22
4. Connector: \$11.42
5. Service Package (including Labor and Engine VVT Solenoid): \$303.95
6. Valve Cover Gasket Set: \$327.80
7. Serpentine Belt Replacement: \$162.85
8. Front Struts Replacement: \$998.27
9. Rear Shocks Replacement: \$435.98
10. Timing Chain Guide: \$37.55
11. Right Rear Leaf Spring: \$858.41
12. Enviro & Technology Fee: \$3.88
13. Job Supplies: \$86.43
14. Subtotal: \$3,473.46
15. Sales Tax: \$324.77
16. Total: \$3,798.23

What Does This Actually Mean?

Oil Change: Regular oil changes keep the engine parts lubricated and help prevent overheating and wear. Without it, the engine can suffer from increased friction and potential failure.

Camshaft Timing Oil Control Valve: This component manages the timing of engine valves to optimize performance. If malfunctioning, it can result in poor engine performance and efficiency.

Serpentine Belt: This belt powers key components like the alternator and power steering pump. A broken belt can cause sudden loss of vehicle functions.

Struts and Shocks: These components are crucial for absorbing road impact and maintaining vehicle stability. Worn shocks or struts can lead to uncomfortable rides and dangerous handling.

Leaf Spring: Helps support the vehicle's weight and provides stability. A broken leaf spring can lead to sagging and vehicle imbalance.

Other Notes

All service work is covered by a nationwide 24 month/24,000 mile warranty. For warranty details, call 1-866-588-0728.

Recommendations

Regularly inspect for signs of rodent damage, such as chewed wires, especially in rural or wooded areas.

Keep up with routine oil changes to prolong engine life and ensure optimal performance.

Check tire pressure regularly and schedule rotations to ensure even wear and extend tire life.

Consider scheduling the recommended air filter and brake services soon, as they play crucial roles in engine and stopping efficiency.