

# Auto Service Summary

**Shop:** Performance Tire & Auto

**Date:** 6/11/2025

## Reason For Visit

The vehicle was brought in for an oil change, a complete vehicle inspection, and to investigate the dashboard engine light. These visits were likely prompted by periodic maintenance needs and the indicator light suggesting a possible engine issue.

## Repair Summary

The shop performed a complete oil change using semi-synthetic oil that is suitable for your vehicle's engine. They conducted a thorough vehicle inspection to ensure all systems are in good working order. During the diagnostic, multiple misfires were detected in the engine's cylinders, and a camshaft timing issue was identified due to rodent damage to wiring. The camshaft sensor wiring was initially repaired, but further issues with the camshaft timing oil control valve were uncovered. Front struts and rear shocks were replaced to improve handling and suspension. Additionally, the serpentine belt and right rear leaf spring were also replaced for optimal performance.

## Major

**Camshaft Timing Oil Control Valve Replacement:** This valve was causing engine misfiring due to being stuck and not moving properly, potentially resulting in severe engine damage if not addressed.

**Front Struts Replacement:** By replacing both front struts, the vehicle's handling and ride comfort were significantly improved, which is vital for safety and control.

**Rear Shocks Replacement:** Replacing the rear shocks ensured that the vehicle maintains stability and absorbs road shocks effectively, preventing further suspension problems.

**Serpentine Belt Replacement:** The new belt prevents potential power steering, air conditioning, and alternator failures, which could lead to vehicle malfunctions or decreased functionality.

## Moderate

**Right Rear Leaf Spring Replacement:** Important for supporting the rear of the vehicle, improving load handling capability, and enhancing ride comfort.

**Crankshaft Position and Camshaft Sensor Repairs:** Addressed the underlying cause of engine misfire codes, crucial for engine performance and avoiding extensive damage.

## Minor

**Oil Change:** Ensures that the engine operates smoothly and efficiently, prolonging engine life.

**Engine Inspection Services:** Regular checks to identify potential issues before they become serious problems.

## Cost Breakdown

1. Complete Vehicle Inspection: \$19.95
2. Oil Change (Semi-Synthetic): \$67.75
3. Testing and Inspection: \$159.22
4. Connector: \$11.42
5. Camshaft Timing Oil Control Valve Service Package: \$303.95
6. Engine VVT Solenoid: Included in service package
7. Valve Cover Gasket Set Service Package: \$327.80
8. Serpentine Belt Replacement Service Package: \$162.85
9. Front Strut/Shock Replacement: \$998.27
10. Rear Shock Absorber Replacement: \$435.98
11. Timing Chain Guide: \$37.55
12. Right Rear Leaf Spring Service Package: \$858.41
13. Enviro & Technology Fee: \$3.88
14. Job Supplies: \$86.43
15. Subtotal: \$3473.46
16. Sales Tax: \$324.77
17. Total: \$3798.23

## What Does This Actually Mean?

**Camshaft Timing Oil Control Valve:** This valve adjusts the timing of the camshaft, impacting how the engine's cylinders fire. If stuck, it can cause misfires and reduced engine performance.

**Serpentine Belt:** A crucial belt that drives multiple peripheral devices in the engine. A failing belt can result in the loss of critical functions, including power steering and battery charging.

**Front and Rear Shocks/Struts:** These components provide vehicle stability and comfort by absorbing impacts from road irregularities. Worn shocks/struts can lead to poor handling and increased stopping distances.

**Leaf Springs:** Designed to support the vehicle's weight because they provide stability and aid in even weight distribution across the chassis. A broken spring can drastically affect handling and safety.

## Other Notes

All service work is covered by a nationwide 24 month/24,000 mile warranty. For assistance, contact 1-866-588-0728. No additional notes.

## Recommendations

1. Regularly check the engine oil level between service intervals to prevent engine wear.
2. Inspect belts and hoses for signs of wear or damage periodically, especially before long trips.
3. Ensure your tires are properly inflated to the recommended pressure to maintain optimal handling and fuel efficiency.
4. Consider scheduling a more frequent inspection or rodent deterrent installation to prevent damage from wildlife.