Auto Service Summary

Shop: Performance Tire & Auto **Date:** June 11, 2025

Reason For Visit

The vehicle was brought in because the "check engine" light came on, indicating potential engine issues. A routine oil change and a complete vehicle inspection were also scheduled to ensure overall vehicle health.

Repair Summary

During this visit, a semi-synthetic oil change was completed to maintain engine lubrication and performance. A comprehensive diagnostic inspection identified several engine misfires and camshaft sensor wiring damage, likely due to rodents. Although temporary repairs to the wiring were made, the camshaft timing oil control valve was found to be faulty and requires replacement. Additionally, the serpentine and A/C compressor belts were both replaced to prevent potential system failures. Both front struts and rear shocks were replaced to improve ride comfort and vehicle stability. Furthermore, the right rear leaf spring was replaced to enhance the vehicle's load-carrying capacity.

Major

Engine Diagnostic and Wiring Repair:

Addressed multiple engine misfires and rodent-damaged wiring. Left unresolved, this could have led to severe engine performance issues.

Camshaft Timing Oil Control Valve Assessment:

Found the valve stuck with debris, critical for proper engine operation. Ignoring this could lead to engine damage.

Front Strut and Rear Shock Replacement:

Ensured improved vehicle stability and comfort. Worn shocks can lead to poor handling and increased stopping distances.

Moderate

Serpentine and A/C Compressor Belt Replacement:

Prevented potential failures of auxiliary systems. Broken belts could stop the vehicle from operating smoothly.

Right Rear Leaf Spring Replacement:

Restored load-bearing capacity. A failed leaf spring could lead to uneven tire wear and compromised handling.

Minor

Oil Change and Vehicle Inspection:

Essential for maintaining engine health and identifying unseen issues.

Connector Replacement:

Replaced damaged connectors that could have caused electrical issues in the vehicle.

Cost Breakdown

1. Complete Vehicle Inspection:

$19.95

2. Semi-Synthetic Oil Change:

$67.75

3. Testing and Inspection:

$159.22

4. Connector Replacement:

$11.42

5. Engine Repair and Service Package:

$303.95

6. Valve Cover Gasket Replacement:

$327.80

7. Serpentine Belt Replacement:

$162.85

8. Front Strut and Rear Shock Replacement:

$998.27

9. Rear Shock Replacement:

$435.98

10. Timing Chain Guide:

$37.55

11. Right Rear Leaf Spring Replacement:

$858.41

12. Enviro & Technology Fee:

$3.88

13. Job Supplies:

$86.43

14. Subtotal:

$3,473.46

15. Sales Tax:

$324.77

Total:

$3,798.23

What Does This Actually Mean?

Camshaft Timing Oil Control Valve:

This part regulates oil flow to the camshaft, ensuring optimal engine timing and performance. If it fails, the engine may run inefficiently or could be damaged.

Front Struts and Rear Shocks:

These components absorb road shocks and provide a smooth ride. Worn-out struts and shocks can cause uncomfortable rides and affect vehicle handling.

Serpentine Belt:

Drives multiple peripheral devices such as alternator, power steering pump, and air conditioner. If it breaks, these systems may stop working.

Leaf Spring:

Supports the vehicle's weight and affects its ride comfort and stability. A broken spring can lead to poor handling and uneven wear on tires.

Oil Change:

Provides necessary lubrication for engine parts, preventing excessive wear. Missing oil changes can lead to significant engine damage over time.

Other Notes

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

Recommendations

1. Monitor the check engine light regularly and if it reappears, bring the vehicle in promptly.

2. Schedule routine maintenance including oil changes every 5,000 to 7,500 miles to ensure engine longevity.

3. Consider replacing air filters (engine and cabin) for better air quality and engine performance.

4. Follow through with recommended inspections, especially regarding further investigation into the debris found in the engine system, to prevent future issues.