

Auto Service Summary

Shop: Performance Tire & Auto

Date: June 11, 2025

Reason For Visit

The vehicle was brought in for an oil change, a complete vehicle inspection, and to address the check engine light that was on. The customer likely noticed some issues with the engine's performance, such as misfiring or rough running.

Repair Summary

During the service, the shop performed an oil change using semi-synthetic oil and conducted a complete inspection of the car. They found a series of engine error codes indicating misfires in several cylinders, which were caused by rodent damage to the camshaft sensor wiring. While they replaced this wiring, further issues were found, including a stuck camshaft timing oil control valve, which requires replacement. Additionally, the shop replaced the serpentine belt, front struts, rear shocks, and a right rear leaf spring. These repairs were necessary to address both the immediate engine concerns and ensure the vehicle's suspension and ride were safe and smooth.

Major

Camshaft Timing Oil Control Valve Replacement (Recommended):

Necessary for proper engine timing and performance. Failure can lead to poor engine performance or breakdown.

Replace Front Struts:

These are key to a stable ride and handling. Worn struts can cause the vehicle to bounce excessively and reduce control.

Replace Rear Shocks:

Important for maintaining the vehicle's ride quality and handling. Bad shocks can lead to a rough ride and loss of tire contact with the road.

Moderate

Replace Serpentine Belt:

This belt drives important engine components like the alternator. A broken belt can lead to engine overheating or a dead battery.

Replace Right Rear Leaf Spring:

Critical for maintaining vehicle load balance and comfort. A broken leaf spring can lead to instability and poor handling.

Minor

Oil Change and Complete Inspection:

Regular maintenance to ensure engine longevity and performance. Fresh oil helps to lubricate and clean the engine components.

Connector Replacement:

Ensures secure electrical connections for vehicle sensors, crucial for optimal vehicle operation.

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 Set):

\$327.80

7. Serpentine Belt Replacement:

\$162.85

8. Front Strut/Shock Replacement:

\$998.27

9. Rear Shock Replacement:

\$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. Subtotal:

\$3,473.46

15. Sales Tax:

\$324.77

16. Total:

\$3,798.23

What Does This Actually Mean?

Camshaft Timing Oil Control Valve:

This valve regulates the oil flow to control engine timing. Proper timing is crucial for engine efficiency and power. If it fails, it can cause poor performance or damage the engine.

Struts and Shocks:

These components support your vehicle's suspension, helping to absorb impacts from the road for a smooth ride. If they fail, it can lead to uncomfortable rides and loss of vehicle control.

Serpentine Belt:

This belt powers various engine components, such as the alternator and power steering pump. Without it, these systems can fail, leading to engine overheating or loss of power steering.

Leaf Springs:

Part of the vehicle's suspension system, they help support the weight and allow for safe carrying of loads. A broken or worn spring can lead to poor handling and increased wear on other components.

Engine VVT Solenoid:

This component manages the engine's variable valve timing, optimizing engine performance and efficiency. A faulty solenoid can reduce engine power and increase fuel consumption.

Other Notes

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

Recommendations

1. Regularly check your vehicle for signs of rodent activity around the engine to prevent similar damage.
2. Ensure routine oil changes every 3,000 to 5,000 miles to keep your engine in good condition.
3. Monitor for any unusual noises or changes in the vehicle's handling, which could indicate suspension issues needing attention.
4. Always follow up with recommended services for critical components like air and cabin filters to maintain vehicle performance and air quality within the car.