

Auto Service Summary

Shop: Performance Tire & Auto

Date: June 11, 2025

Reason For Visit

The vehicle was brought in for service primarily due to the check engine light being on and for a complete inspection. Upon inspection, the service team discovered various issues, including misfires in multiple engine cylinders and a problem with the camshaft sensor wiring due to rodent damage.

Repair Summary

Your Toyota Tacoma underwent several inspections and repairs. Initially, an oil change using semi-synthetic oil was completed to maintain engine performance. A complete vehicle inspection was performed, and the team scanned for engine codes, identifying cylinder misfires and issues with the camshaft and crankshaft positions. They found rodent damage to the camshaft sensor wiring; however, fixing this did not resolve the issue completely. Debris in the camshaft timing oil control valve was cleared, though a stuck valve was noted, and further valve cover inspection was recommended. Additionally, a faulty serpentine belt and front and rear struts/shocks were replaced to ensure better stability and ride quality. The right rear leaf spring was also replaced to support the vehicle's weight and maintain a balanced ride.

Major

Cylinder Misfire and Camshaft Sensor Repair:

Diagnosed misfires in cylinders 1 through 4, indicating issues with the engine's ignition or fuel delivery system. This can lead to reduced performance and fuel efficiency.

Addressed rodent damage to the camshaft sensor, critical for engine timing. Unresolved, it could cause significant mechanical issues.

Camshaft Timing Oil Control Valve Debris Removal:

Debris was creating a blockage, preventing proper oil flow and valve movement, essential for precise engine timing. Not fixing it promptly could damage the engine.

Moderate

Replacement of Serpentine Belt:

Ensures proper functioning of critical engine components like the alternator and power steering. A broken belt could lead to loss of vehicle functions.

Front and Rear Strut/Shock Replacement:

These components absorb shocks from the road, providing a smooth ride and vehicle control. Worn struts can result in poor handling and increased braking distance.

Minor

Right Rear Leaf Spring Replacement:

Supports vehicle weight and maintains ride height. Faulty springs can lead to uneven tire wear and poor vehicle performance.

Cost Breakdown

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

What Does This Actually Mean?

Oil Change:

Keeping your engine oil fresh is crucial for lubricating moving parts, reducing wear, and preventing the engine from overheating.

Camshaft & Crankshaft:

These components are critical for engine timing. The camshaft opens and closes the valves, while the crankshaft translates linear piston movement into rotational energy.

Serpentine Belt:

Powers various engine accessories and components. If it breaks, your car could lose functions like cooling and steering.

Struts/Shocks:

Vital for absorbing impacts from the road, contributing to ride comfort and vehicle stability. Worn struts compromise handling and increase stopping distance.

Leaf Spring:

Supports the weight of the vehicle and its load. Failure can lead to a sagging rear end and unsafe handling.

Other Notes

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

Recommendations

1. Regularly inspect your vehicle for signs of rodents, especially if parked outside or near wooded areas, to prevent further wiring damage.
2. Follow-up on the recommended inspection of the camshaft area to avoid further engine performance issues.
3. Keep up with regular oil changes and check fluid levels to prolong engine life.
4. Monitor tire and suspension components' condition for a comfortable and safe driving experience.