

# Auto Service Summary

**Shop:** Performance Tire & Auto

**Date:** June 11, 2025

## Reason For Visit

The vehicle, a 2011 Toyota Tacoma, was brought in for an oil change, a complete vehicle inspection, and to investigate the cause of the check engine light. The customer was likely concerned about the warnings from the engine light and wanted to ensure the overall health of the vehicle.

## Repair Summary

The visit included an oil change using semi-synthetic oil and a complete inspection of the vehicle. During the inspection, multiple engine misfires were identified, likely causing the check engine light to turn on. Rodent damage was discovered on the camshaft sensor wiring, which was replaced, but further issues with the camshaft timing oil control valve were noted. The serpentine and A/C compressor drive belts were replaced, along with the installation of new front struts and rear shocks to improve suspension performance. Additionally, the right rear leaf spring was replaced to support the vehicle's load capacity properly.

## Major

### **Camshaft Sensor Wiring and Oil Control Valve:**

The camshaft sensor wiring was damaged, causing misfire errors. Damaged wiring can disrupt the engine's performance, leading to further mechanical issues if not addressed. The camshaft timing oil control valve had debris and was stuck, affecting engine timing.

### **Front and Rear Struts/Shocks:**

These are essential for vehicle stability and cushion the vehicle over bumps. Worn struts or shocks can lead to poor handling and an uncomfortable ride.

## Moderate

### **Serpentine and A/C Compressor Drive Belts:**

These belts drive vital components like the alternator and air conditioning system. If these belts fail, it can lead to a loss of electrical power or the A/C system malfunctioning.

### **Right Rear Leaf Spring:**

Supports the vehicle's weight and affects ride comfort. A damaged leaf spring can lead to improper weight distribution and handling issues.

## Minor

### Oil Change with Complete Inspection:

Regular oil changes are crucial for engine health, preventing wear and tear. Without regular oil changes, engine efficiency diminishes and could lead to engine failure.

## Cost Breakdown

1. Oil Change (including semi-synthetic oil and oil filter):	<b>\$67.75</b>
2. Complete Vehicle Inspection:	<b>\$19.95</b>
3. Testing and Inspection:	<b>\$159.22</b>
4. Connector:	<b>\$11.42</b>
5. Engine VVT Solenoid (part of service package):	<b>\$303.95</b>
6. Valve Cover Gasket Set (part of service package):	<b>\$327.80</b>
7. Serpentine Belt and A/C Compressor Drive Belt Replacement:	<b>\$162.85</b>
8. Front Strut/Shock Replacement:	<b>\$998.27</b>
9. Rear Shock Absorber Replacement:	<b>\$435.98</b>
10. Timing Chain Guide:	<b>\$37.55</b>
11. Right Rear Leaf Spring Replacement:	<b>\$858.41</b>
12. Job Supplies:	<b>\$86.43</b>
13. Environmental and Technology Fee:	<b>\$3.88</b>
14. Subtotal:	<b>\$3,473.46</b>
15. Sales Tax:	<b>\$324.77</b>
16. Total:	<b>\$3,798.23</b>

## What Does This Actually Mean?

### **Camshaft:**

Manages the intake and exhaust valves of the engine, synchronizing engine cycles. If it doesn't function properly, the engine can misfire or lose performance.

### **Oil Control Valve:**

Ensures proper oil flow to various engine parts, crucial for maintaining engine timings and performance. Failure can affect engine efficiency and increase wear.

### **Serpentine Belt:**

Drives various engine components like alternators and water pumps. If this belt breaks, vital components of the engine could fail, leading to breakdowns.

### **Struts/Shocks:**

Help dampen impacts from the road. They're essential for a smooth ride and maintaining tire contact with the road. If worn, they can compromise handling and comfort.

### **Leaf Spring:**

Part of the suspension system, helping support the vehicle's weight. If a leaf spring breaks, it can lead to handling and balance issues.

## Other Notes

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

## Recommendations

1. Schedule regular oil changes every 5,000 to 7,500 miles to maintain engine health.
2. Conduct periodic inspections of belts and hoses, especially before long trips.
3. Monitor for any new sounds from the suspension, as they can indicate worn parts.
4. Consider following up on the recommended air filter and brake services to ensure optimal vehicle performance.