

Case-Study: Eco-Friendly Auto Repair: Reducing Waste by Reusing Quality Auto Parts

Client Success Story – Car Engine Part



Scan the QR Code

Client Overview

Client: Brian Mitchell

Location: Eugene, Oregon

Vehicle: 2015 Subaru Outback 2.5i Premium

Engine Type: 2.5L H4 Engine

Primary Use: Outdoor travel, weekend road trips, and daily driving

Brian Mitchell is an environmental science teacher and outdoor enthusiast. He completely rely on his Subaru Outback for hiking, camping trips, and daily transportation. The Outback was central to his lifestyle. But when the engine began showing severe problems just after crossing 126,000 miles, his eco-conscious mindset faced a new challenge repair or replace?





The Challenge Faced By Brian

Brian reported the following issues:

- ◆ **Knocking sound on cold starts**
- ◆ **Burning oil smell and thick smoke after driving uphill**
- ◆ **Frequent low oil levels between oil changes**
- ◆ **Check engine light with codes related to piston ring failure and cylinder misfire**

A local mechanic diagnosed excessive oil consumption due to piston ring failure, a known issue in some Subaru FB25 engines. The mechanic recommended an engine replacement. The dealership quoted \$6,100 for a new engine, which was financially and environmentally discouraging to Brian.

"I didn't want to spend that kind of money, and the thought of junking a whole car over an engine just didn't sit right with me," Brian said.



Solution from Car Engine Part

Brian reached out to CarEnginePart.com, drawn by the company's reputation for supplying eco-conscious, high-quality used auto parts. Our team guided him through available tested, low-mileage used Subaru FB25 engines, all sourced from donor vehicles with documented service history and under 80,000 miles.

Our Recommended Solution:

- ◆ **Used OEM Subaru 2.5L FB25 Engine**
- ◆ **Cleaned, compression-tested, and leak-tested**
- ◆ **Included updated valve cover gaskets and oil control components**
- ◆ **Backed by a 24-Month Warranty**
- ◆ **Free delivery to his trusted local mechanic**

Cost Breakdown:

- ◆ **Used Engine: \$2,250**
- ◆ **Shipping: Free**
- ◆ **Installation: \$900**

Total Project Cost: \$3,150 which is over \$2,900 saved compared to new engine from dealership

Implementation & Installation

The used engine was delivered within 72 hours. The installation process included:

- ◆ Removal of the faulty engine
- ◆ Full inspection of cooling and oiling systems
- ◆ Installation of the used engine with new seals and gaskets
- ◆ Engine bay cleaning and post-installation diagnostics

Installation Duration: 3 working days



Results & Outcomes

- ◆ Engine performance fully restored
- ◆ Oil consumption issues eliminated
- ◆ Check engine light cleared with no return codes
- ◆ MPG improved back to 27+ on highway
- ◆ Brian kept his car and didn't contribute to vehicle waste



Client Testimonial



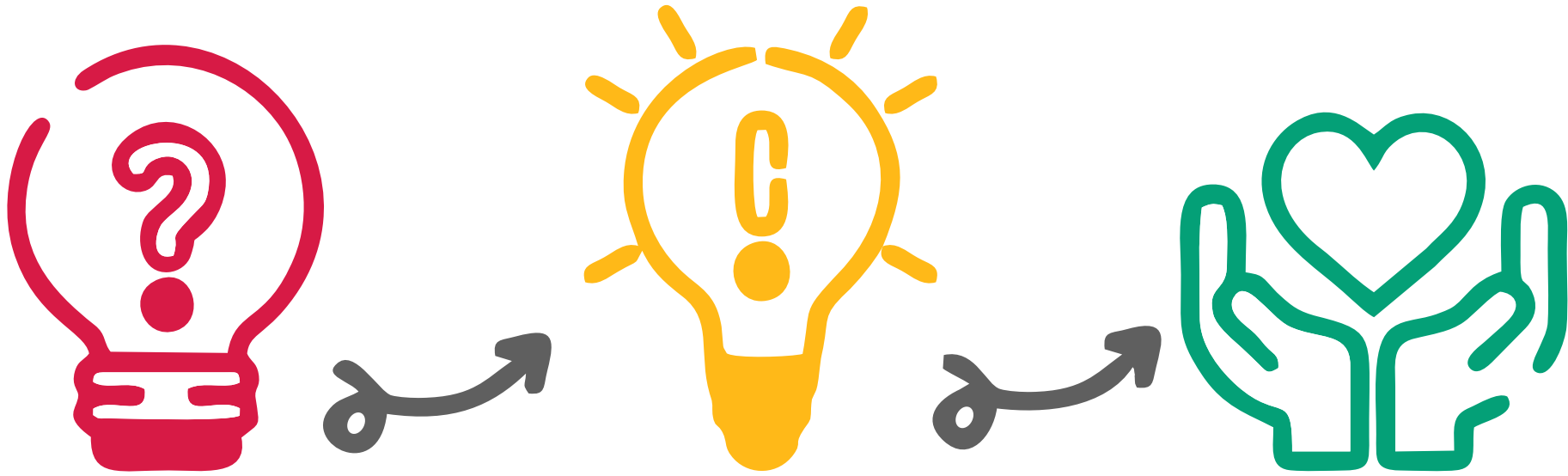
Brian Mitchell, Eugene, OR
Texas



‘Car Engine Part aligned with both my budget and my values. They helped me fix my Subaru without dumping a perfectly good vehicle. I didn’t just save money, I helped save resources. That’s what responsible repair looks like’.

Impact of the Solution

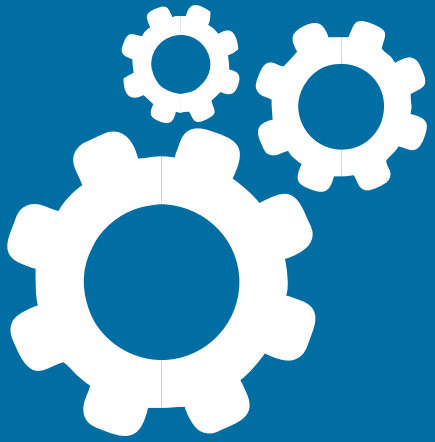
- ◆ **Financial Savings:** Over \$2,900 saved
- ◆ **Environmental Impact:** Avoided adding a usable car to the junkyard
- ◆ **Reuse Over Replacement:** Promoted the circular economy with a quality used engine
- ◆ **Peace of Mind:** Warranty coverage and verified quality brought confidence
- ◆ **Performance Restored:** Vehicle drives like new, ready for mountain roads again



Conclusion

This case study proves that eco-friendly auto repair is both possible and practical. With guidance from Car Engine Part, Brian restored his Subaru Outback using a high-quality used engine saving money, reducing automotive waste, and staying true to his environmental values. At Car Engine Part, we believe in sustainable solutions without compromise. Our OEM-tested used parts help people like Brian get back on the road without harming the planet.





Thank You

www.carenginepart.com



✉ info@carenginepart.com

