

# CASE-STUDY: Precision Matters: Matching an Engine for a European Model with Unique Fitment Needs

Client Success Story – Car Engine Part



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# Client Overview

**Client Name:** David Thompson

**Location:** Seattle, Washington

**Vehicle:** 2011 Audi A6

**Engine Type:** 3.0T Quattro (European Import)

**Issue:** Engine replacement complicated by unique European-market specifications

David get his Audi A6 from Europe, he imported it few years back. The car offered excellent performance and features which are generally not found in the US models. But it also came with a challenge to find its replacement parts; especially the engine is far from straightforward. When the engine starts showing the severe oil consumption issues and misfires, finding its replacement parts become difficult.





## The Challenges Faced by David

David's case wasn't a simple 'order and install' scenario. He faced:

- ◆ **Unique Fitment Requirements:** The European specified 3.0T engine had a different ECU mapping, configuration, and emissions setup as compared to US models.
- ◆ **Limited Availability in the USA:** Local suppliers only stocks US specified engines which would require costly modifications to fit into European vehicle.
- ◆ **Time Sensitivity:** David depended on his Audi as his daily commuter and could not afford long downtime.
- ◆ **Dealer Limitations:** The dealership could source a new engine but at an astronomical cost exceeding \$14,000 before labor.

'I was stuck between paying a small fortune for a dealer engine and risking compatibility issues with a U.S. spec version'.

— **David Thompson**



## Solution by Car Engine Part

Car Engine Part stepped in with a precision-matching approach tailored to David's situation.

### Steps Taken:

- ◆ **VIN & Engine Code Analysis:** We used David's VIN to identify the exact engine code (CREC) and all associated compatibility requirements.
- ◆ **International Sourcing:** Leveraged our European supplier network to locate a low-mileage OEM-tested 3.0T engine with identical fitment and ECU configuration.
- ◆ **Pre-Delivery Verification:** Our team performed compression test, inspected components, and confirmed the compatibility before shipment.
- ◆ **Custom Logistics:** Arranged for overseas shipping with customs clearance to ensure that there are no delays.
- ◆ **Technical Installation Support:** Provided instruction with detailed installation and ECU pairing to his mechanic for avoiding reprogramming headaches.



# How Our Solution Helped

- ◆ **Perfect Fit, No Modifications Needed:** Direct drop-in replacement saved David over \$2,500 in potential rework.
- ◆ **Quick Turnaround:** Engine was delivered, installed, and running in just 9 business days from initial contact.
- ◆ **Performance Restored:** The Audi returned to its smooth, high-performance driving experience without compatibility issues.
- ◆ **Cost Savings:** Total project cost was less than half the dealership's quoted price.



## Client Testimonial



**David Thompson**

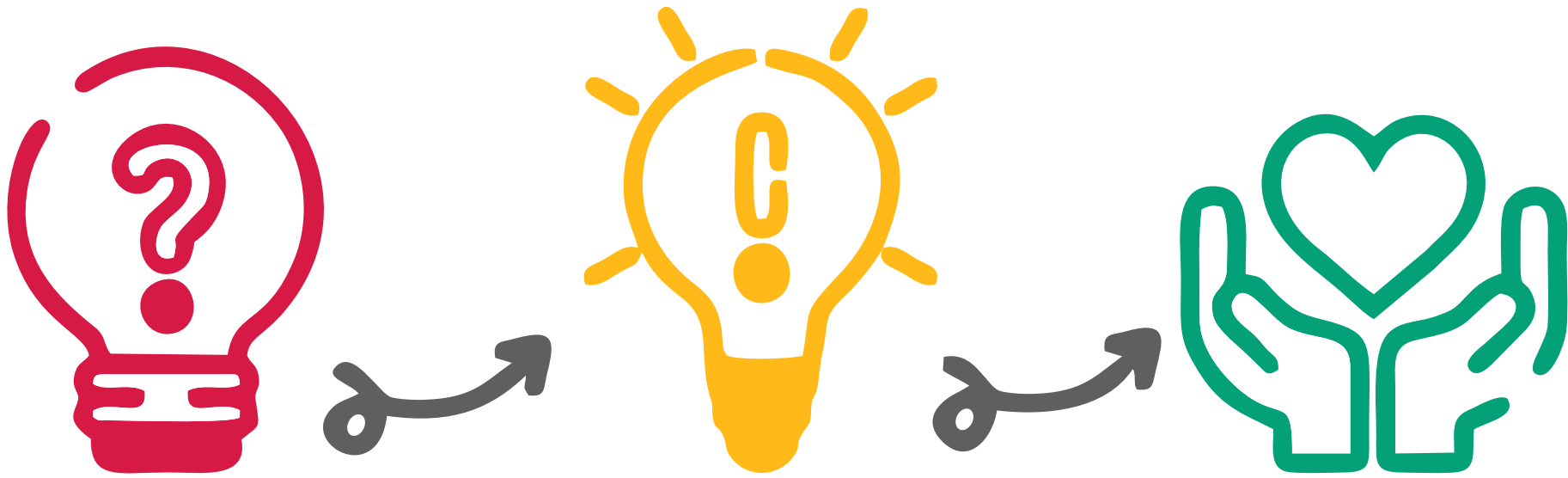
Texas



‘Car Engine Part found the exact match I needed and made it feel effortless on my end. I couldn’t be happier’.

# The Impact of Our Solution

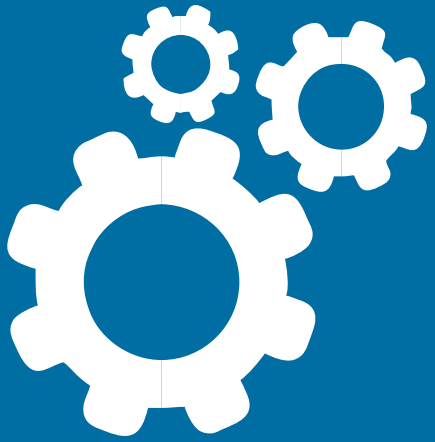
- ◆ **Reduced Total Cost by 55% compared to dealer replacement**
- ◆ **Minimized Downtime car back on the road in under 2 weeks**
- ◆ **Zero Post-Install Errors after 5 months of daily use**
- ◆ **Maintained OEM Performance without aftermarket compromises**



# Conclusion

For European models with unique fitment requirements, precision sourcing is the difference between a smooth replacement and a frustrating, costly repair. Car Engine Part's ability to leverage global networks, verify technical compatibility, and provide end-to-end support ensured David's Audi A6 was restored to full health without the premium price tag.





# *Thank You*

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