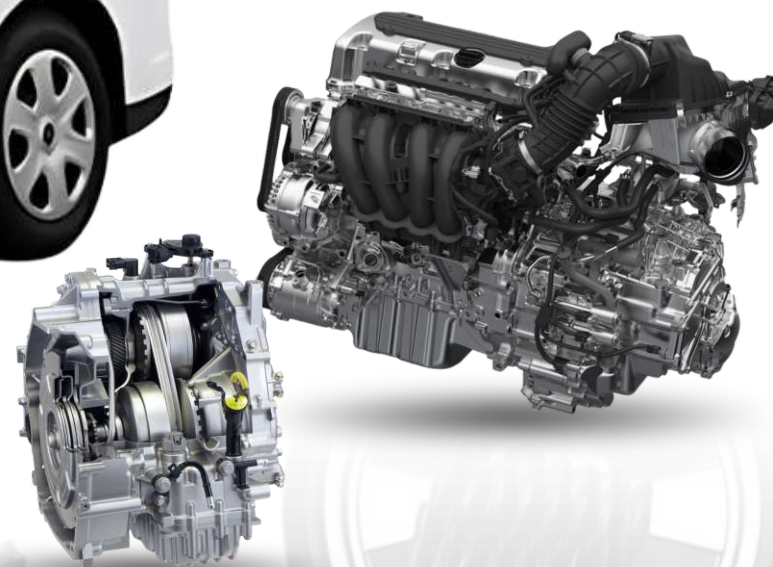


# Boosting Performance with Used 2013 Ford Focus ST Engines: A Midwest Mechanic's Case Study

Client Success Story – Used Transmission For Sale



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# Client Overview

**Client:** Tyler Brooks

**Location:** Des Moines, Iowa

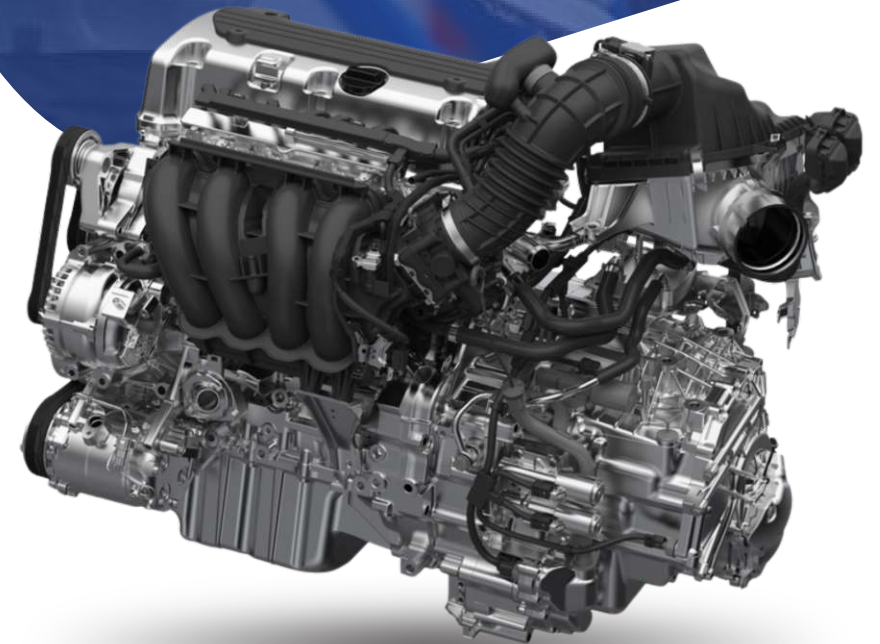
**Profession:** Independent performance mechanic and shop owner

**Vehicle:** 2013 Ford Focus ST

**Transmission Type:** 2L Turbocharged EcoBoost I4

**Project Goal:** Revive a customer's Focus ST with a high-performance used engine at a competitive price

Tyler Brooks is a seasoned mechanic and owner of a small performance garage in the Midwest. Known for his turbo builds and Ford tuning projects, Tyler took on a client's request to restore a 2013 Ford Focus ST that had thrown a rod through the block. The goal was to get the car back to the road and track: quickly, affordably, and reliably.







## The Challenge Faced by Tyler

Tyler's client had brought in a 2013 Focus ST with the following issues:

- ◆ Catastrophic engine failure due to oil starvation and overboost
- ◆ Hole in the engine block from a thrown connecting rod
- ◆ Failed turbo seals and oil entering the intercooler system
- ◆ Dealership quote: Over \$8,200 for a new crate engine and install
- ◆ Limited sourcing options for a performance-rated replacement under budget

Tyler needed a tested, OEM-compatible 2.0L EcoBoost engine that wouldn't require core returns, had minimal mileage, and could be delivered fast to avoid delays for his customer.



## Solution from Car Parts USA

Tyler reached out to car-partsusa.com, a trusted source for used engines and transmissions. After submitting a request online, he was quickly connected with a parts advisor who understood both the vehicle and the performance expectations behind a Focus ST rebuild.

### Our Recommended Solution:

- ◆ Used OEM 2.0L EcoBoost Engine is compatible with 2013 Ford Focus
- ◆ ST (VIN "9")
- ◆ Mileage: 56,000 miles
- ◆ Turbo, injectors, and manifolds included (all pressure-tested)
- ◆ Compression-tested, oil flow verified, and cleaned
- ◆ Backed by a warranty

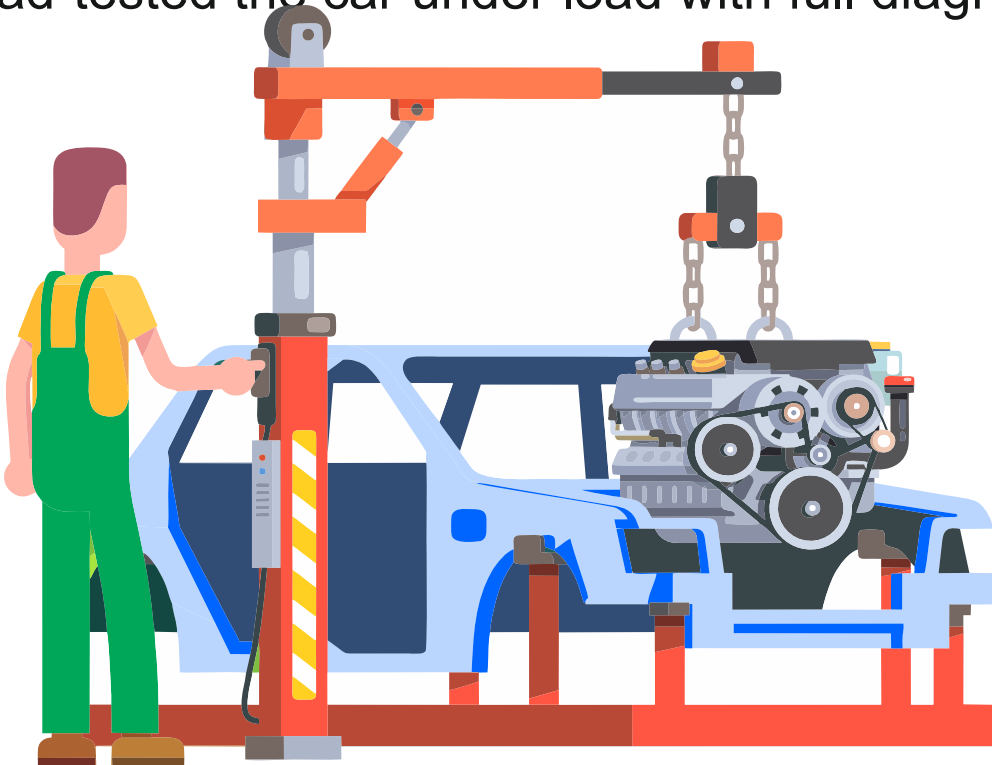
### Cost Breakdown:

- ◆ **Used Engine Assembly: \$3,150**
- ◆ **Shipping: Free, delivered to commercial address**
- ◆ **No core charge required**

Total Engine Cost: \$3,150; over \$5,000 saved vs. the dealership route

# Implementation & Installation

- ◆ Inspected and cleaned turbo oil return lines
- ◆ Replaced intercooler and flushed charge pipes
- ◆ Upgraded oil cooler to avoid future overheating issues
- ◆ Tuned ECU after installation to ensure proper boost and fuel trim readings
- ◆ Road-tested the car under load with full diagnostics



# Results & Outcomes

- ◆ Engine fired up on first start, no leaks or warning lights
- ◆ Boost and throttle response matched original factory specs
- ◆ Turbo seals held under aggressive testing
- ◆ Client's car passed dyno baseline with clean AFR and timing
- ◆ Over \$5,000 in savings from OEM alternatives
- ◆ No downtime delays: parts arrived fast, ready to drop in





## Client Testimonial



**Tyler Brooks, Des Moines, IA**  
Texas



‘Car Parts USA delivered exactly what I needed an engine that was ready to run, with the right turbo gear included. I’ve dealt with sketchy used engines before, but this one passed every test. My customer was happy, and so was I. I’ll be back for the next build’.

# Impact of the Solution

- ◆ Cost-Effective Repair: Over \$5,000 saved compared to OEM crate engine
- ◆ High Customer Satisfaction: Client got back a track-ready Focus ST at half the expected cost
- ◆ Zero Core Hassle: No core deposit or engine return logistics
- ◆ Performance Retained: Factory turbo setup and fueling worked as expected
- ◆ Faster Turnaround: Engine arrived within 2 business days, minimizing shop delay
- ◆ Repeat Business: Tyler plans to use Car Parts USA for future Ford performance builds

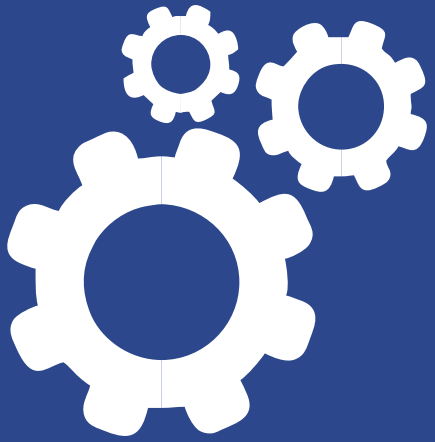


## Conclusion

This case study proves that car-partsusa.com delivers value, performance, and speed when it matters most. For mechanics like Tyler Brooks, finding a quality used engine with no compromises helped him meet both budget and performance goals keeping his shop's reputation intact and his client's Focus ST running stronger than ever.







# *Thank You*

[www.car-partsusa.com](http://www.car-partsusa.com)



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