

**Canyon Meadows Auto Service**

1071 Canyon Meadows Dr SW  
 Calgary, AB. T2W 5Z4  
 Phone: 403-251-1778

Thank you for supporting our local family owned business :-)

**INVOICE**

37113

37884A  
5560PF

**Invoice from History**

Printed Date: 08/06/2025

Work Completed: 01/04/2024



2015 Subaru - Forester 2.0XT Touring - 2L, H4 (122Cl) VIN(Not Availab

Lic # : [Redacted]

Odometer In : 0

Odometer Out : 198809

VIN # : JF2SJHWC0 FH488965

Part Description	Qty	Sale	Ext	Labor Description	Ext
1L 5W30 SYNTHETIC ENGINE OIL	5.11	14.95	76.39	* Canyon Meadows Courtesy Inspection: <a href="https://2un.me/5c0126qno">https://2un.me/5c0126qno</a>	
OIL FILTER	1.00	13.89	13.89	INSPECT AND ADVISER ON CAUSE OF CONSISTENT	74.95
TOPPED UP FLUIDS	1.00	5.00	5.00	HIGH PITCH NOISE COMING FROM THE ENGINE	
Shop Supplies			10.01	(CUSTOMER THINKS IT MIGHT BE BELT ISSUE)--BEGINS WHEN THE ENGINE IS STARTED AND CONTINUES UNTIL IT IS SHUT OFF	
				Took vehicle on test drive, but couldn't hear any noise. In the shop with the hood open, and throttle held around 2000 rpm, I can hear some squeaking. There is also some whining from the turbo, which is normal. Ran a wire brush over the belt with the engine running to clean it up. Removed the belt and inspected all the pulleys by hand, and they all feel good. Belt itself is also in good shape, no cracking or sharp ridges. Reinstalled and now the squeal is gone.	
				DOMESTIC/ASIAN ENGINE OIL AND FILTER CHANGE	29.98
				Change engine oil and filter- Top up all underhood fluids- Correct tire pressures to specification and verify tread depths- Lubricate chassis components as required- Visually inspect underhood and undercarriage components- Reset maintenance indicators where required	
				PERFORM COURTESY SAFETY INSPECTION	n/c
				<b>[ Recommendations ]</b>	
				Brake fluid flush is recommended	
				Service the transmission fluid - drain and fill	
				Flush cooling system	
				Replace cabin air filter	
				Replace spark plugs	
				Perform GDI emission service.	
				Monitor front lower control arm bushings.	
				Front Differential service recommended - Drain and fill	
				Drain and fill rear differential fluid	
				No further actions required regarding poor running conditions.	
				Please note: During the final road test some turbo charger noise was present. This can be heard as a squeaking noise at light loads. Further inspection would be required to inspect the turbo to confirm. Replacement may required pending results.	

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**INVOICE**

**38300**

37884A  
5560PF

**Invoice from History**

Printed Date: 08/06/2025

Work Completed: 06/20/2024

2015 Subaru - Forester 2.0XT Touring - 2L, H4 (122CI) VIN(Not Availab

Lic # : [REDACTED]

Odometer In : 0

Odometer Out : 205952

VIN # : JF2SJHWC0 FH488965

Part Description	Qty	Sale	Ext	Labor Description	Ext
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Air Mass Meter	1.00	462.92	462.92	* Canyon Meadows Courtesy Inspection:	
Air Filter	1.00	47.80	47.80	https://2un.me/mcb156uv1	
1L 5W30 SYNTHETIC ENGINE OIL	5.11	14.95	76.39	MULTIPLE DASH LIGHTS-- VEHICLE NOT DRIVING WELL--BEING TOWED IN	
OIL FILTER	1.00	13.89	13.89	INSPECT AND ADVISE SERVICE	207.84
Shop Supplies			33.46	ENGINE/MALFUNCTION INDICATOR WARNING LAMP ILLUMINATES	
				PERFORM TESTS AS REQUIRED- SCAN TEST- ANALYZE NECESSARY DATA- PERFORM VOLTAGE DROP TESTS- RESISTANCE TESTS- AMPERAGE TESTS- LOCATE ANY APPLICABLE TECHNICAL SERVICE BULLETINS OR TECH TIPS -- Inspected for client concern of service engine lamp illumination and poor driveability. Scanned Powertrain control module for fault codes and retrieved: P0172 fuel trim rich bank 1. Monitored fuel trim values and found them to be reading rich. This most common reason is a faulty mass air flow sensor. Inspected electrical connection - ok. Verified good ground to the sensor. Monitored sensor data and found it to be reading very high at idle. Engine air filter is dirty and should be replaced at this time.	
				ENGINE SHUDDERING-- POOR ACCELERATION	n/c
				PERFORM COURTESY SAFETY INSPECTION	n/c
				Replace mass air flow sensor. Clear fuel trim adaptives. Replace engine air filter	79.94
				DOMESTIC/ASIAN ENGINE OIL AND FILTER CHANGE	31.98
				Change engine oil and filter- Top up all underhood fluids- Correct tire pressures to specification and verify tread depths- Lubricate chassis components as required- Visually inspect underhood and undercarriage components- Reset maintenance indicators where required	
				<b>[ Recommendations ]</b> Brake fluid flush is recommended Service the transmission fluid - drain and fill Flush cooling system Replace cabin air filter Replace spark plugs Perform GDI emission service. Monitor front lower control arm bushings. Front Differential service recommended - Drain and fill Drain and fill rear differential fluid No further actions required regarding poor running conditions. Please note: During the final road test some turbo charger noise was present. This can be heard as a squeaking noise at light loads. Further inspection would be required to inspect the turbo to confirm. Replacement may required pending results.	

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**INVOICE**

**38621**

Org. Est. # 050334

37884A

5560PF

**Invoice from History**

Printed Date: 08/06/2025

Work Completed: 08/12/2024

2015 Subaru - Forester 2.0XT Touring - 2L, H4 (122C) VIN(Not Availab

Lic # : [REDACTED]

Odometer In : 208481

VIN # : JF2SJHWC0 FH488965

Part Description	Qty	Sale	Ext	Labor Description	Ext
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General Diagnosis: <https://2un.me/60k164f9t>  
 INSPECT AND ADVISE SERVICE n/c

ENGINE/MALFUNCTION INDICATOR WARNING LAMP ILLUMINATES  
 PERFORM TESTS AS REQUIRED- SCAN TEST- ANALYZE NECESSARY DATA- PERFORM VOLTAGE DROP TESTS- RESISTANCE TESTS- AMPERAGE TESTS- LOCATE ANY APPLICABLE TECHNICAL SERVICE BULLETINS OR TECH TIPS --  
 Inspected for client concern of service engine lamp illumination and poor running condition. Vehicle did run and idle poorly on arrival. Scanned powertrain control module for fault codes and retrieved: P0172 fuel system rich  
 P050a Cold start system performance  
 Monitored engine data and found the fuel trim values to be out of specification. Inspected mass air flow sensor- ok.  
 Removed the charge air cooler assembly and found the throttle body to be very carbon laden. Cleaned throttle body. Cleared fault codes and reset the fuel trim values. Performed idle relearn procedure.  
 Started the vehicle and allowed it to reach operating temperature. The engine now idles and runs normally. The Powertrain control module had likely reached the limit for adapting its fuel control due to the dirty throttle body. No further actions required regarding poor running conditions.  
 Please note: During the final road test some turbo charger noise was present. This can be heard as a squeaking noise at light loads. Further inspection would be required to inspect the turbo to confirm. Replacement may required pending results.

ENGINE SHUDDERING-- POOR ACCELERATION-- CUSTOMER HAD TRAVELED OUT TO MEDICINE HAT AND THE ENGINE STARTED EXHIBITING THE SAME SYMPTOMS AGAIN AS IT DID THE LAST TIME WE SAW THE VEHICLE n/c

**[ Recommendations ]**

Brake fluid flush is recommended  
 Service the transmission fluid - drain and fill  
 Flush cooling system  
 Replace cabin air filter  
 Replace spark plugs  
 Perform GDI emission service.  
 Monitor front lower control arm bushings.  
 Front Differential service recommended - Drain and fill  
 Drain and fill rear differential fluid  
 No further actions required regarding poor running conditions.  
 Please note: During the final road test some turbo charger noise was present. This can be heard as a squeaking noise at light loads. Further inspection would be required to inspect the turbo to confirm. Replacement may required pending results.



**Autoworld Subaru & Import Repair**  
 108-3208 8 Avenue Northeast  
 Front door is around the back of the building.  
 Calgary, AB t2a7v8  
 (403) 235-2065  
 Info@autoworldyyc.com  
 autoworldyyc.com

# Invoice #6697

Created: 06/12/2025  
 Invoiced: 06/25/2025  
 Payment Term: On Receipt  
 Payment Due: 06/25/2025  
 Service Writer: Trenton Lee

**2015 Subaru Forester 2.0XT Touring (Silver)**  
 VIN: JF2SJHWC0FH488965  
 License Plate: [REDACTED]  
 Mileage In: 214,550 km  
 Mileage Out: 214,573 km

## Customer Comments

engine light  
 stutter under throttle  
 goes into limp mode

### Diagnose check engine light (stutters sometimes under throttle)

Scanned the car and found code P0420(Catalyst System below threshold) Cleared the faults and monitored the voltages on the drive with the scan tool and the readings were relatively normal. At some points driving at 100kmh, the A/F sensor would read neutral (0.5V) and the O2 sensor readings were up and down in very fast forms. This specifically is a symptom of a failing cat intermittently. Did not have any stutter under throttle on test drive.

Removed exhaust to inspect honeycomb in catalyst, looked okay, some carbon build up.

Attempted to loosen down stream oxygen sensor and it is seized in the pipe, will require replacement sensor.

No misfire while test driving.

MAF sensor readings good.

Removed one spark plug and inspected, looked old and had carbon on the tip.

Also found the driver rear wheel bearing to have noise and is worn.

Recommend catalyst replacement and spark plugs replacement. (Spark plugs mainly for the stutter and for maintenance).

Description	HRS	Subtotal
Labor: Diagnosis	1	\$125.00
Shop Supplies (8%): \$10.00		<b>Total: \$141.75</b>

### A/C service

If there is a leak present in A/C system or air doesn't blow cold, requires diagnosis.

Put system in vacuum and the system had a leak.

Pressured system with air and leak checked.

Found the low side A/C line leaking at the compressor.

Replaced the seals and the service valves.

Inserted dye, charged system 17.6oz.

No leaks and A/C works.

Recommend customer to monitor for other leaks as there may be a slow leak present after the repair and service.

Description	Price	QTY	HRS	Subtotal
Labor: Service and quick visual inspection			1.3	\$150.00
Part: A/C Service valves	\$10.00	1		\$10.00
Part: A/C compressor line seals	\$12.00	1		\$12.00
Shop Supplies (7%): \$10.50				<b>Total: \$191.63</b>

### Catalytic converter replacement (6 month unlimited kms warranty Subaru)

Replaced.



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## Invoice #6697

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### Authorizations

	- Driver front lower control arm replacement	
	- Front crank seal replacement	
	- Front inner tie rods replacement	
<b>In Person by</b> [REDACTED]	+ Diagnose check engine light (stutters sometimes under throttle)	<b>\$141.75</b>
6/12/2025 at 4:24 PM MDT		

### Appointments

[REDACTED] / 2015 Subaru Forester / Diagnose check engine light (stutters sometimes under throttle)  
 Mon 6/16/25 9:30 AM – 6:00 PM

### Messages

**Trenton Lee** 6/25/2025 4:31 PM MDT

Hi [REDACTED]  
 Your 2015 Subaru Forester is ready to be picked up.  
 Please give us a call if you have any questions.

File: order-6697-estimate-2025-06-25\_16-31-49.pdf

**Trenton Lee** 6/16/2025 4:22 PM MDT

The catalyst would also take 6 business days to come in as well as Subaru does not stock them in the city.

**Trenton Lee** 6/16/2025 4:21 PM MDT

Hi [REDACTED] we have some more detailed notes for the catalyst failure and I got the warranty information. It is 6 months unlimited kms from Subaru.

Below is a link to the estimate you requested from Autoworld Subaru & Import Repair . Please review and let us know if you have any questions.

File: order-6697-estimate-2025-06-16\_16-21-49.pdf

**Trenton Lee** 6/16/2025 11:52 AM MDT

Hi [REDACTED]  
 Below is a link to the inspection you requested from Autoworld Subaru & Import Repair . Please review and let us know if you have any questions.



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# Invoice #6697

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 Service Writer: Trenton Lee

**Trenton Lee**

6/12/2025 4:24 PM MDT

108-3208 8 Avenue Northeast, Front door is around the back of the building., Calgary, AB t2a7v8

2015 Subaru Forester 2.0XT Premium

## Needs Response

### Driver rear wheel bearing replacement

Description	Price	QTY	HRS	Subtotal
Labor: Wheel bearing R&R			3	\$375.00
Part: SKF wheel bearing Rear 14-21 crosstrek 14-18 forester 12-21 impreza	\$265.00	1		\$265.00
			Shop Supplies (8%): \$30.00	Total: \$703.50

## Declined

### Front crank seal replacement

Description	Price	QTY	HRS	Subtotal
Labor: Crank seal R&R			1.8	\$225.00
Part: Crank seal	\$35.00	1		\$35.00
			Shop Supplies (8%): \$18.00	Total: \$291.90

### Front inner tie rods replacement

Description	Price	QTY	HRS	Subtotal
Labor: Tie rods R&R			2	\$250.00
Part: Inner tie rods	\$60.00	2		\$120.00
Subcontract: Alignment	\$150.00			\$150.00
			Shop Supplies (8%): \$20.00	Total: \$559.50

### Driver front lower control arm replacement

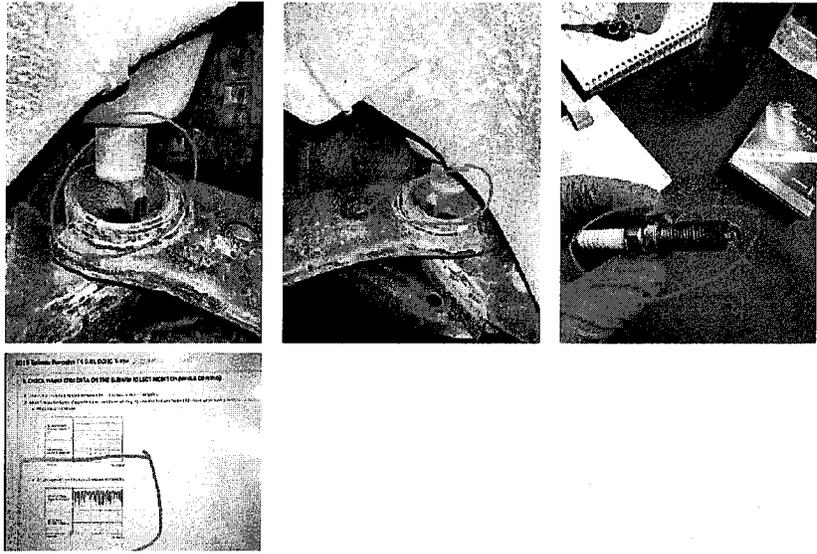
Description	Price	QTY	HRS	Subtotal
Labor: Control arm R&R			2	\$250.00
Part: Control arm assembly	\$225.00	1		\$225.00
			Shop Supplies (8%): \$20.00	Total: \$519.75



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# Invoice #6697

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Item	Green	Yellow	Red	N/A
				
<b>Totals</b>	0	1	0	0



# Hawkwood Auto Service

# 28 - 217 HAWKS BROW DRIVE N.W., CALGARY, ALBERTA T3G 3K2  
PHONE: (403) 239-4411 FAX: (403) 239-8249



#1

**WORK ORDER**  
**79426**

Part #	Description	Price	Name		H #	Date		
			[Redacted]			Oct 23 2024		
			Address		B #	Ext.		
			City		Phone When Ready			
			Postal Code		Yes <input type="checkbox"/>			
			Year		No <input type="checkbox"/>			
			Make	Type or Model	a.m.			
			15	SUBARU FORESTER	p.m.			
			TECH. How did you hear about us?		Colour	Odometer		
			[Redacted]			209981		
			SCANT TEST FOR CURRENT/HISTORY CODES				Labour Charge	
			• RUNS ROUGH - WORSE UNDER LOAD •				79.95	
			REPLACE BATTERY				77.50	
			Comments:				Total Labour	
							157.45	
							Parts	
							Environmental Fee	
							Tires	
							Tire Tax	
	Engine Oil		I hereby authorize the above repair work to be done along with necessary materials. You and your employees may operate above vehicle for the purpose of testing, inspection or delivery at my risk. An express mechanic's lien is acknowledged on above vehicle to secure the amount of repairs thereto.  You will not be held responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft, accident or any other cause beyond your control.				Battery	
G-3572	Batteries	191.95						191.95
	Tires							9.90
	Sublet							
			Authorized By				Sub Total	
							359.30	
							Tax	
							17.97	
							Total Amount	
							377.27	

WORK ORDER COPY

NEW PARTS 1 YEAR WARRANTY, LABOUR 1 YEAR WARRANTY OR OTHERWISE STATED AT ABOVE ADDRESS ONLY.

G. S. T. # 881078414 RT

THANK YOU



INVOICE

KAL TIRE
14947 DEER RIDGE DR, SE
CALGARY, AB
T2J 7C4
Phone: 403-278-7500
Fax: 403-278-7526

Invoice #: 694957786
Order Date: Jul 18 2025
Completed Date: Jul 23 2025
Page: 1
Team Member: THAYDEN

Account: 694CASH

GST/HST: 122644537

Year: 2015
Make: SUBARU
Model: FORESTER
Unit:
Lic #:
Prov: AB
VIN: JF2SJHWCOFH488965
Mi/KM: 217382

Table with 6 columns: Qty, Product Code, Description, Price, Unit, Amount. Rows include items like 225/55R18 NOK ONE 93V 130, ALBERTA TIRE RECYCLING FEE, PASS/LT INSTALL/BALANCE, CONTROL ARM/BALL JOINT ASSEMBL, OTHER MECHANICAL PARTS, CONTROL ARM - R&R, 4 WHEEL ALIGNMENT, TIE ROD END, and TIE ROD &/OR END - R&R.

