



Hart Transmission Repair Ltd. 110 Ordze Ave Sherwood Park, AB. T8B 1M6 Phone: 780-467-1424 Fax: 780-464-1230

118043

INVOICE

Org. Est. # 014904

INVOICE

Office=#8

RECEIVED

June 23, 2023

GST # 865174643RC0001

Printed Date: 06/23/2023

Work Completed: 06/22/2023

2014 RAM - 2500 HD Tradesman - 6.4L, V8 (392CI) VIN(J) Lic #: BPG9595

Odometer In: 161432

Unit #: CT150

Odometer Out: 161464

VIN#:	3C6L	JR5CJ2	EG3195	02
-------	------	--------	--------	----

Part Description	Qty	Sale	Ext	Labor Description	Ex
CAMSHAFT	1.00	661.24	661.24	TOW BILL FROM SITE - ATCO - H2 MICRO CAVERN	588.65
LIFTER	2.00	499.88	999.76		300.00
LIFTER	2.00	499.88	999.76	er,	
PUSHROD - EXHAUST	8.00	15.50	124.00	INVOICE # P-60609	
PUSHROD - INTAKE	8.00	14.85	118.80	UNIT HAS ENGINE TICKING NOISE AND LACK OF	159.00
HEAD GASKET	1.00	139.54	139.54	POWER, CHECK AND ADVISE TOWED IN FROM SITE	
HEAD GASKET	1.00	135.84	135.84	OIL CHANGE DONE AT LUBE CITY - 5000KMS	
Throttle Body Injection (TBI) Gasket	1.00	4.35	4.35	FOUND LIFTER NOISE AND MISFIRE ON CYLINDERS 6/7/8	
Manifold Gasket Set - Exhaust	1.00	72.93	72.93	OIL PRESSURE SENSOR IS STUCK AT 4.57V	
Manifold Gasket Set - Intake	1.00	27.72	27.72	WILL REQUIRE VALVE COVER REMOVAL AND INSPECTION OF	
Cylinder Head Bolt Kit	2.00	66,41	132.82	THE ENGINE POSSIBLE ISSUES.	
Timing Cover Gasket Set	1.00	112.51	112.51	STACY DISCUSSED WITH JOHN AND ADVISED OF FINDINGS.	
Water Pump Gasket	1,00	11.45	11.45	CONFIRMED TO PROCEED WITH REPAIRS AND FURTHER	
Thermostat	1.00	228.96	228.96	TESTING IF REQUIRED	
Exhaust Manifold Mounting Kit	2.00	94.55	189.10	COMPLETE ELETRONIC FULL SYSTEM SCAN	99.99
Valve Cover Gasket Set	1.00	76.30	76.30	COMPLETE SCAN WITH OEM SOFTWARE, RECORD ALL DTC'S ON ALL MODULES.	
WATER PUMP/Engine Water Pump	1_00	346.15	346.15	REPAIR ENGINE AS REQUIRE REMOVE VALVE	
STANDARD ROTATION THE/Engine	1.00	230.39	230.39	COVER	2,300.00
Cooling Fan Clutch			200.00	COMPLETED VALVE COVER REMOVAL FOR INSPECTION -	
"SPARK PLUG	16.00	18.13	290.08	FOUND PUSH RODS APPEARED OK, BUT FOUND WEAR IN	
"IGNITION COIL BOOT	16.00	7.40	118.40	ROCKER ARM BEARINGS AND ON CAM LOBES, WITH CODES	
*CAMSHAFT SENSOR	1.00	42.33	42.33	PRESENT AND RUNNING ISSUES DETERMINED MOST LIKELY ISSUE IS DUE TO A COLLAPSED LIFTER ASSEMBLY. ORDERED	,
WINDSHIELD WASHER FLUID	4.00	1.45	5.80	PARTS TO COMPLETED LIFTER/CAMSHAFT REPLACEMENT. A	LL
0W40 PLATINUM GAS ENGINE OIL	7.00	18.97	132.79	REQUIRED GASKETS AND PARTS INSTALLED. COMPLETED OF	L
DIL FILTER	1.00	19.36	19.36	SERVICE AND CONFIRMED ENGINE NO LONGER HAS TICKING NOISE.	
IAPA 50/50 GOLD COOLANT	12.00	4.65	55.80	NOISE.	
R134A REFRIDGERANT PER LB	0.20	32.12	6.42	TEST DROVE UNIT AND NO LEAKS AND NO MISFIRES.	
Shop Supplies			300.00	NOTE: CEL WILL RETURN DUE TO ONE OF THE CATALYTIC	
				CONVERTERS MISSING (OXYGEN SENSOR CODES B2S1)	
			1	Air conditioning service	229.99
				Service air conditioner. Check condition of all belts and lines.	
				Evacuate and recharge with reclaimed R-134. Add compressor oil and dye to system. Test system performance.	
			T ₁	Hazardous Materials	100.00
			1		100.00



Hart Transmission Repair Ltd.

110 Ordze Ave Sherwood Park, AB. T8B 1M6

Phone: 780-467-1424 Fax: 780-464-1230

GST # 865174643RC0001

INVOICE

118043

Org. Est. # 014904

INVOICE

Office_7 off Printed Date: 06/23/2023

Work Completed: 06/22/2023

2014 RAM - 2500 HD Tradesman - 6.4L, V8 (392CI) VIN(J)

Lic#: BPG9595 Unit #: CT150

Odometer In: 161432

Odorneter Out: 161464

VIN #: 3C6UR5CJ2 EG319502

Part Description

Qty

Sale

Ext Labor Description

Ext

Org. Estimate 9,513.24 Revisions 0.00 Current Estimate 9,513.24 Labor: 2,788.98 Parts: 5,582.60 Sublet: 588.65 HezMat: 100.00 SubTotal: 9,060.23 Tax: 453.01 Total: 9,513.24 [Payments -] Bal Due: \$9,513.24

Vehicle Received: 6/22/2023

Customer Number: 14780

I hereby authorize the above repair work to be done along with the necessary material and hereby grant you and/or your employees permission to operate the car or truck herein described on street, highways or elsewhere for the purpose to testing and/or inspection. An express mechanic's lien is hereby acknowledged on above car or truck to secure the amount of repairs thereto.

HART TRANSMISSION REPAIR LTD will not be held responsible for loss or damage to vehicle or items left in it. Labor & Parts are guaranteed for 1 year or 20,000 kms or NAPA AUTOPRO warranty of 2year or 40000km, whichever occurs first. Used parts hold no labour warranty and 90day warranty subject to change depending on situation. All other guarantees are made by the manufacturer. NO WARRANTY FOR DAMAGE DUE TO MISUSE, ABUSE, OVERHEATING OR VEHICLE MODIFICATIONS, WARRANTY IS NON TRANSFERABLE ***WHEELS MUST BE RETORQUED WITHIN 200KM IF REMOVED*** ALL WARRANTY CLAIMS MUST BE REPAIRED IN HOUSE, TOWING CHARGES ARE NOT COVERED.

Signature

Date

Visit us on the web: www.harttransmission.ca

Email Address: Info@harttransmission.ca

Vehicle System Report

2014 Ram 2500 (4WD)

3C6UR5CJ2EG319502

100,309

May 25, 2023 8:11 AM

Hart Transmission And Mechanical 110 Ordze Ave Sherwood Park, AB T8B 1M6 780-467-1424

Thanks for visiting us. Below is a report that highlights any potential issues on your 2014 Ram 2500 (4WD).

Page Diagnostic Health Scan

A check of all available systems on your vehicle was made.



Needs Attention

- Engine
- Transmission
- Body Control Module (BCM)
- Radio Frequency Hub (RFH)
- Tire Pressure Monitor (TPM)
- OBDII Codes (\$03)
- OBDII Permanent Codes (\$0A)



No Issues Found

- Antilock Brakes
- Airbag
- Door Module Driver (DDM)
- Door Module Passenger (PDM)
- Drive Train Control Module (DTCM)
- Heat Ventilation A/C (HVAC)
- Instrument Panel Cluster (IPC)
- Integrated Trailer Brake Module (ITBM)
- Radio (CMCM)
- Steering Column Control Module (SCCM)

Hart Transmission And Mechanical

110 Ordze Ave Sherwood Park, AB T8B 1M6 780-467-1424

Technician:

Pre Scan Vehicle System Report

2014 Ram 2500 (4WD) 6.4L V8 MPI

VIN

3C6UR5CJ2EG319502

Odometer

100.309

License

May 25, 2023 8:11 AM

CODE SCAN RESULTS

Systems Analyzed: 15

Systems w/ Codes

Engine

P0520 Engine Oil Pressure Sensor Circuit
P0457 EVAP System - Loose Fuel Cap
P0456 EVAP System Small Leak
P0441 EVAP Purge System Performance

Transmission

P0520 Engine Oil Pressure Sensor Circuit
P0457 EVAP System - Loose Fuel Cap
P0456 EVAP System Small Leak
P0441 EVAP Purge System Performance

Body Control Module (BCM)

B170B-15 Right Reverse Lamp Control - Circuit Short to Battery or Open - Stored.

Right Reverse Lamp Control - Circuit Short to Battery or Open - Active, Stored.

Radio Frequency Hub (RFH)

C0077-00 Low Tire Pressure - Active, Stored.
C151D-00 Tire Pressure Sensor Location Undetermined - Active, Stored.

Tire Pressure Monitor (TPM)

C0077-00 Low Tire Pressure - Active, Stored.

C151D-00 Tire Pressure Sensor Location Undetermined - Active, Stored.

OBDII Codes (\$03)

P0457	EVAP System Leak Detected (fuel cap loose/off)
P0456	EVAP System Leak Detected (very small leak)
P0520	Engine Oil Pressure Sensor/Switch "A" Circuit

OBDII Permanent Codes (\$0A)

P0456	EVAP System Leak Detected (very small leak)
P0457	EVAP System Leak Detected (fuel cap loose/off)
P0520	Engine Oil Pressure Sensor/Switch "A" Circuit

Systems w/o Codes

Antilock Brakes
Airbag
Door Module - Driver (DDM)
Door Module - Passenger (PDM)
Drive Train Control Module (DTCM)
Heat Ventilation A/C (HVAC)
Instrument Panel Cluster (IPC)
Integrated Trailer Brake Module (ITBM)
Radio (CMCM)
Steering Column Control Module (SCCM)

READINESS MONITORS

Complete

Misfire
Fuel System
Comprehensive Component
EGR/VVT
Catalyst
Oxygen Sensor
Oxygen Sensor Heater

Not Complete

Evaporative System

2014 Ram 2500 (4WD) 6.4L V8 MPI - Engine

200 Rev Counter	675
Mis-Fire Counter CAT 200 Rev	0
Mis-Fire Monitor Status	Global Disable
Cylinder 1 FTP Mis-Fire Counter	0
Cylinder 2 FTP Mis-Fire Counter	0
Cylinder 3 FTP Mis-Fire Counter	0
Cylinder 4 FTP Mis-Fire Counter	0
Cylinder 5 FTP Mis-Fire Counter	0
Cylinder 6 FTP Mis-Fire Counter	1

Cylinder / FTP Mis-Fire Counter	1
Cylinder 8 FTP Mis-Fire Counter	1