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BLUE-MAR

Absolute Heavy Duty Repair 2023
div of Keabray Holdings Ltd.
A Division of Keabray Holdings LTD
PO Box 5125 STN Main
Drayton Valley, AB T7A1R3, CA
Absoluteservice@keabray.ca
780-542-8242



Invoice: **INV-8079**
Date: **11/29/2024**

Bill To
KPA Pressure Services

Remit Payment To
Keabray Holdings Ltd.
PO Box 5125
DRAYTON VALLEY, AB T7A 1R3, CA

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SO-4076	Net 30	12/29/2024			Goodyer, Alex	300

Item	Description	Quantity	Rate	Amount
	Concern: Diagnose rough idle Cause: Customer request			
Labor	Correction: Engine / Electrical / Travel to KPA shop Scan codes Perform injector test suspect fuel timing actuator issue but will need to further diagnose Unit brought to our shop at later date begin diagnosing timing actuators discover rear fuel timing actuator to be weak will work intermittently then run rough after a test drive remove and replace actuator test drive and verify repair - Assigned tech(s): Alex Goodyer, Brenden Redman notify customer to run unit and let us know if it stays running properly.			\$490.00
Parts	Fuel Actuator Kit (Timing) - 5693752PXCUM	1.00000	\$1,285.93	\$1,285.93
Parts	Inherent Core for Fuel Actuator Kit (Timing) - 5693752PXCUM#	1.00000	\$198.00	\$198.00
Parts	Dirty Core for Fuel Actuator Kit (Timing) - 5693752PXCUM#	-1.00000	\$198.00	-\$198.00
	Subtotal			\$1,775.93

ENTERED
5350 # 2496
SF

Unit: 300 VIN: 1NPTL40X18D785281
License Plate: (AB) U-08877
2008 Peterbilt
Chassis: 650,074 Kilometers
Engine: 357 Hours

Labor	\$490.00
Parts	\$1,285.93
Shop Supply & Enviro Fee	\$97.68
Pre-Charge Subtotal	\$1,873.61
GST (5% of \$1,873.61)	\$93.68
Total	\$1,967.29
Payments & Credits	\$0.00
Balance Due	\$1,967.29

Retorque wheels within 50 km.

Parts Policy:

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Storage Policy:

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Warranty and Payment:

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GST#: 862269537 RT0001

Customer Signature: _____

Absolute Signature: _____

Printed Name: _____ Date: _____

Printed Name: _____ Date: _____

Absolute Heavy Duty Repair 2023
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PO Box 5125 STN Main
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780-542-8242



Invoice: **INV-7926**
Date: **11/8/2024**

Bill To
KPA Pressure Services

Remit Payment To
Keabray Holdings Ltd.
PO Box 5125
DRAYTON VALLEY, AB T7A 1R3, CA

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SO-3941	Net 30	12/8/2024			Gosselin, Shanea	300

Item	Description	Quantity	Rate	Amount
	Concern: Oil Leaking From Front Cover			
	Cause: Customer request			

Labor	Correction:			\$2,800.00
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Chassis / Chassis / Pull unit into shop
Wash front of engine/ oil pan
Ran unit
Found oil leaking from front cover in center of engine block
Drained coolant
Removed intake piping
Removed sensors and hoses from coolant tank
Disconnected rad hoses
Unbolted rad
Removed rad/ air to air assembly from unit
Removed fan - Assigned tech(s): Matthew Dudley, Steve Janz
Removed fan hub
Verified oil leaking from bottom RHS corner of upper timing cover
Removed cover
Removed old gasket
Cleaned mating surfaces and gasket groove
Installed new gasket
Installed cover
Torqued cover bolts to manufacturer spec in manufacturer recommended sequence
Removed/cleaned remainder of oil residue from front of engine.
Reinstalled rad assembly
Hooked up all hoses and sensors
Filled coolant system
Tied up all lines
Found valve cover gasket leaking after test run
Removed and replaced gasket
Washed engine
Test ran unit, found new leak around bottom timing cover.

ENTERED
5350 11/06/24

A handwritten signature in black ink, appearing to be "J. J. J.", located at the bottom right of the page.

November 1/2024:
Drained coolant
Removed rad assembly
Removed fan and fan hub

Item	Description	Quantity	Rate	Amount
	Removed crank pulley			
	Removed harmonic balancer			
	Removed crank seal			
	Removed lower timing cover			
	Found lower timing cover damaged			
	Cleaned replacement cover			
	Cleaned all mating surfaces			
	Installed new gasket in groove			
	Installed lower timing cover			
	Removed and replaced crank case filter			
	November 2/2024:			
	Installed new crank seal according to manufacturer procedure			
	Torque seal nuts to manufacturer spec (71 inlbs)			
	Torque lower timing cover bolts to manufacturer spec (248 inlbs)			
	Install harmonic balancer			
	Install crank pulley			
	Lube balancer bolts with clean 15w40 according to manufacturer procedure			
	Torque balancer/pulley bolts to manufacturer spec (129 filbs)			
	Installed fan hub and fan			
	Installed rad assembly			
	Hooked up all hoses and sensors			
	Tied up all loose hoses and wiring			
	Filled cooling system			
	Verified oil level: good			
	Hooked up diagnostic computer			
	Started and ran unit			
	Verified oil pressure is not spiking too high:			
	Pressure is between 36.6-37.7 psi			
	Allowed unit to run up to temp			
	Left unit running at temp			
	Found no oil leaks present			
	Hooked up hood springs and cables.			
Parts	FRONT COVER SEAL - M902722	1.00000	\$56.13	\$56.13
Parts	ISX Valve Cover Gasket - 3104392CUM	1.00000	\$130.47	\$130.47
Parts	seal rectangular seal - 4962722CUM	1.00000	\$56.31	\$56.31
Parts	Freight Charge under 50lbs - FRTU50	2.00000	\$40.00	\$80.00
Parts	seal,kit - 4955363CUM	1.00000	\$194.74	\$194.74
			Subtotal	\$3,317.65

Concern: Engine Brake Not Working Properly

Cause: Customer request

(Inspection)

Lebor	Correction:	\$630.00
	Chassis / Chassis / Hooked up diagnostic computer	
	Found ecm not reading input from Jake selector switch	
	Ran switch test in diagnostic software	
	Found ecm not reading Jake on/off switch	
	Opened dash	
	Checked power at back of on/off switch	
	Found 11.8v coming in to switch, no power out of switch	
	When on/off switch is turned off, power back feeds through selector sending 6.1/4.1v depending on position back to on/off switch.	
	Opened valve cover	
	Inspected Jake wiring, found in good condition	
	Closed valve cover - Assigned tech(s): Steve Janz	

Item	Description	Quantity	Rate	Amount
	Torqued to manufacturer spec in manufacturer recommended sequence			
	Ordered new on/off and stage selector switches.			
	Removed and replaced switches in dash			
	Hooked up diagnostic computer and verified ecm is now reading switches			
	Selector switch reads 33,66,100% properly			
	On/off switch functions properly			
	Closed dash			
	Sent unit for test drive			
Parts	Freight Charge under 50lbs - FRTU50	1.00000	\$40.00	\$40.00
Parts	switch up down - 16-091214D3Des2f61	1.00000	\$195.23	\$195.23
Parts	engine brake on off - 16-091214D3DSS2F61	1.00000	\$201.10	\$201.10
			Subtotal	\$1,066.33

Unit: 300 VIN: 1NPTL40X19D785281

License Plate: (AB) U-08877

2009 Peterbilt

Chassis: 643,347 Kilometers

Engine: 49 Hours

Labor	\$3,430.00
Parts	\$953.98
Shop Supply & Enviro Fee	\$241.12
Pre-Charge Subtotal	\$4,625.10
GST	\$231.26
(5% of \$4,625.10)	
Total	\$4,856.36
Payments & Credits	\$0.00
Balance Due	\$4,856.36

Return to us within 50 km.

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GST#: 862269537 RT0001

Customer Signature: _____

Absolute Signature: _____

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 PO Box 5125 STN Main
 Drayton Valley, AB T7A1R3, CA
 Absolutservice@keabray.ca
 780-542-8242



Invoice: **INV-7495**
 Date: **9/13/2024**

Bill To
 KPA Pressure Services

Remit Payment To
 Keabray Holdings Ltd.
 PO Box 5125
 DRAYTON VALLEY, AB T7A 1R3, CA

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SO-3558	Net 30	10/13/2024			Goodyer, Alex	300
Item	Description	Quantity	Rate	Amount		
Concern: sensors						
Cause: Customer request						
Labor	Correction: Engine / Electrical / Replaced crankcase pressure sensor, fuel pressure sensor, exhaust gas pressure sensor and map sensor. Hook up laptop and verify all sensors function properly - Assigned tech(s): Alex Goodyer, Dale Catt					\$560.00
Parts	Pressure sensor - 4928594CUM	1.00000	\$282.77	\$282.77		
Parts	Pressure Sensor - 4921519CUM	1.00000	\$329.39	\$329.39		
Parts	PRS Temperature Sensor - 5698456CUM	1.00000	\$170.77	\$170.77		
Parts	Pressure Sensor - 5462277NXCUM	1.00000	\$182.83	\$182.83		
Parts	Inherent Core for Pressure Sensor - 5462277NXCUM#	1.00000	\$18.48	\$18.48		
Parts	Dirty Core for Pressure Sensor - 5462277NXCUM#	-1.00000	\$18.48	-\$18.48		
Parts	Freight Charge under 50lbs - FRTU50	1.00000	\$40.00	\$40.00		
Parts	PRS Temp Sensor - CUM2897334	1.00000	\$201.67	\$201.67		
				Subtotal		\$1,767.43

Concern: clutch pedal issue, check oil leaks
 Cause: Customer request
 (Inspection)

Sept
 5350 # 15205

Item	Description	Quantity	Rate	Amount
Labor	Correction: Chassis / Cab / Check clutch pedal and linkages. Tightened up a retaining bolt on the clutch pedal shaft. Pedal no longer rotates. Wash engine to check for leaks. Run engine to monitor for leaks. May be leaking between compressor and the front of the engine. Attached a jug to the blowby line to monitor blowby. Check tightness of compressor bolts. Tightened four bolts on the compressor and cleaned to look for leaks. Adjusted the clutch. Clutch linkage is being over greased possibly getting onto the clutch brake. - Assigned tech(s): Dale Catt Change the clutch brake as requested by driver. Possible leak on the front cover. One bolt on the drivers side behind the front motor mount leaking from the washer. Clean up and test run again Suspect front engine seal is leaking. When the fan kicks in it sprays oil on the oil pan. Drain the coolant. Remove the radiator. Remove and replace the crank seal. Replace fan clutch. Belts squeal on start up. Top up engine oil and coolant. Boost engine to start. Batteries were shut off and drained down. Replaced batteries as they would not hold enough charge to start even with boost Run up to temperature. Still leaking. Will need to disassemble again to diagnose.			\$2,240.00
Parts	clutch brake 2" - IBK20	1.00000	\$49.49	\$49.49
Parts	Fan Clutch - 79A9897RMAN	1.00000	\$1,369.85	\$1,369.85
Parts	Inherent Core for Fan Clutch - 79A9897RMAN#	1.00000	\$607.20	\$607.20
Parts	Dirty Core for Fan Clutch - 79A9897RMAN#	-1.00000	\$607.20	-\$607.20
Parts	90 Degree Coolant Elbow 2.5" ID - 561.75250	1.00000	\$68.08	\$68.08
Parts	Engine Oil - HD Diesel 15W40 - 15W40HD	2.00000	\$7.32	\$14.64
Parts	Group 31-950 Battery - S31S-950	3.00000	\$138.60	\$415.80
Parts	Inherent Core for Group 31-950 Battery - Inherent Core for S31S-950	3.00000	\$27.00	\$81.00
Parts	Dirty Core for Group 31-950 Battery - Dirty Core for S31S-950	-3.00000	\$27.00	-\$81.00
Parts	Cummins Front Seal Kit - 4955383CUM	1.00000	\$196.13	\$196.13
Parts	CLAMP 4.00"-4.31" T-BOLT SP - 38-0371	1.00000	\$26.82	\$26.82
			Subtotal	\$4,380.81

Concern: front crank seal (second replacement due to damaged seal)

Cause: Customer request

(Inspection)

Item	Description	Quantity	Rate	Amount
Labor	Correction: Engine / Crankshaft / Drain coolant Remove radiator, fan, belts R/R front crank seal re assemble and check for leaks seal still leaking Re do process again and new seal is working properly. Run up to temp and verify no leaks - Assigned tech(s): Dale Catt			\$2,240.00
Parts	Cummins Front Seal Kit - 4955383CUM	1.00000	\$209.73	\$209.73
Parts	Cummins Front Seal Kit - 4955383CUM	1.00000	\$209.73	\$209.73
			Subtotal	\$2,659.46
	Warranty - Repair previously installed leaking seal	1.00	-\$2,659.46	-\$2,659.46

Unit: 300 VIN: 1NPTL40X19D785281

License Plate: (AB) U-08877

2009 Peterbilt

Chassis: 643,347 Kilometers

Engine: 49 Hours

Labor	\$5,040.00
Parts	\$3,767.70
Shop Supply & Enviro Fee	\$484.42
Pre-Charge Subtotal	\$9,292.12
Warranty - Repair previously installed leaking seal	-\$2,659.46
GST (5% of \$6,632.66)	\$331.63
Total	\$6,964.29
Payments & Credits	\$0.00
Balance Due	\$6,964.29

Retorque wheels with in 50 km.

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GST#: 862269537 RT0001

Customer Signature: _____

Absolute Signature: _____

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 A Division of Keabray Holdings LTD
 PO Box 5125 STN Main
 Drayton Valley, AB T7A1R3, CA
 Absolutesservice@keabray.ca
 780-542-8242



Invoice: **INV-7367**
 Date: **8/28/2024**

Bill To
 KPA Pressure Services

Remit Payment To
 Keabray Holdings Ltd.
 PO Box 5125
 DRAYTON VALLEY, AB T7A 1R3, CA

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SO-3383	Net 30	9/27/2024			Gosseiln, Shanea	300

Item	Description	Quantity	Rate	Amount
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Concern: ECM Issues
 Cause: Customer request

5380 14555

Labor	Correction: Engine / Electrical / Diagnose intermittent electrical issues with unit. Trace wiring and test sensors as per Cummins Diagnostics All wiring and sensors test ok Re tune ECM with new delete tune Replace cam and crank position sensors as that is the most recent stored code and related to the 5v sensor circuit intermittent fault. Test drive unit and no active faults	14.50000	\$120.00	\$1,740.00
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Customer took unit to work, ran good for full shift then gave same issue the day after.

Diagnose and re trace all wires and sensors as per Cummins Diagnostics, all check out ok again
 Consult with other shops and ECM experts - Assigned tech(s): Alex Goodyer, Jaffery Armstrong, Jesse Johnston, Matthew Dudley
 Verdict is that 5v issues are most commonly related to an ECM failure
 Contact Geoff and order replacement ECM
 Install ECM and re tune with new program
 Test drive unit
 No active codes at this time.

Note: ECM and Tuning supplied at cost as discussed with Geoff to offset for missed work with this unit. - Completed: 8/28/2024

Parts	Position Sensor - 5491994CUM	2.00000	\$136.43	\$272.86
Parts	Freight Charge under 50lbs - FRTU50	1.00000	\$40.00	\$40.00
Parts	ISX ECM Recon - 3684275RX	1.00000	\$4,085.00	\$4,085.00
Parts	Inherent Core for ISX ECM Recon - 3684275RX-C1	1.00000	\$1,150.00	\$1,150.00
Parts	Dirty Core for ISX ECM Recon - 3684275RX-C1	-1.00000	\$1,150.00	-\$1,150.00
Parts	Sublet - ECM tuning - Sublet	1.00000	\$3,000.00	\$3,000.00
Parts	Freight Charge under 50lbs - FRTU50	1.00000	\$40.00	\$40.00

Item Description

Quantity Rate Amount
Subtotal \$9,177.86

Unit: 300 VIN: 1NPTL40X19D785281
License Plate: (AB) U-08877
2009 Peterbilt
Chassis: 641,398 Kilometers
Engine: 10,528 Hours

Labor \$1,740.00
Parts \$7,437.86
Shop Supply & Enviro Fee \$504.78
Pre-Charge Subtotal \$9,682.64
GST
(5% of \$9,682.64) \$484.13
Total \$10,166.77
Payments & Credits \$0.00
Balance Due \$10,166.77

Return wheels with in 50 km.

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GST#: 862269537 RT0001

Customer Signature: _____

Absolute Signature: _____

Printed Name: _____ Date: _____

Printed Name: _____ Date: _____

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PO Box 5125 STN Main
Drayton Valley, AB T7A1R3, CA
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780-542-8242



Invoice: **INV-7295**
Date: **8/15/2024**

Bill To
KPA Pressure Services

Remit Payment To
Keabray Holdings Ltd.
PO Box 5125
DRAYTON VALLEY, AB T7A 1R3, CA

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SO-3357	Net 30	9/14/2024			Goodyer, Alex	300

Item	Description	Quantity	Rate	Amount
Concern: Engine electrical issues Cause: Customer request				
Labor	Correction: Engine / Electrical / Wash off engine, remove and replace complete wiring harness for engine, tie up and re loom all other wires in engine bay, test run unit around block, runs ok and no codes present. - Completed: 8/9/2024 - Assigned tech(s): Alex Goodyer	4.50000	\$140.00	\$630.00
Parts	Engine Wiring Harness - 2891973	1.00000	\$2,301.71	\$2,301.71
Subtotal				\$2,931.71

Unit: 300 VIN: 1NPTL40X19D785281
License Plate: (AB) U-08877
2009 Peterbilt
Chassis: 641,398 Kilometers
Engine: 10,528 Hours

Labor	\$630.00
Parts	\$2,301.71
Shop Supply & Enviro Fee	\$161.24
Pre-Charge Subtotal	\$3,092.95
GST (5% of \$3,092.95)	\$154.65
Total	\$3,247.60
Payments & Credits	\$0.00
Balance Due	\$3,247.60

Aug
5350 #14117

Retorque wheels with in 50 km.

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Invoice: **INV-7256**
 Date: **8/9/2024**

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Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SO-3313	Net 30	9/8/2024			Goodyer, Alex	300

Item	Description	Quantity	Rate	Amount
	Concern: diagnose codes, engine dying Intermittent Cause: Customer request			

Labor	Correction: Engine / Electrical / Boost unit while in the shop to begin diagnosing. Clean up battery connections and ground terminals. Check terminal connections. A loose positive connection on the disconnect switch. Tighten a loose ground terminal on one battery. Positive cable on the starter tightened up after one full turn. Remove, clean and reinstall frame and engine block grounds. Truck cranked for abnormal amount of time and had what seemed like low fuel pressure when it did start Ordered fuel pump and check valve as well as delta pressure sensor as per active codes Remove bracket that hold electrical harness and mounts in front of fuel pump and filter. - Assigned tech(s): Dale Catt, James Feschuk Move harness out of the way and remove hardware that holds pump in place. Had 2 of the hex head bolts strip out, had to remove with extractor. Remove check valve and install new one. Install new pump with new bolts and gasket. Replace fuel filter and install bracket that holds electrical harness. Change primary fuel water separator filter and prime system. Start truck and let run to get any trap air out of fuel system. Remove and replace delta pressure sensor it was not reading properly and found damaged harness near connector. Repair damaged harness and code goes in active. Recover harnesses on left side of engine with new loom, some was missing on main ecm harness. Tidy up engine harness and check for any other rub spots, looks ok. - Completed: 8/8/2024	10.00000	\$140.00	\$1,400.00
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Aug 5350
 #13786

Parts	FUEL FILTER FF2200FLG - FF2200FLG	1.00000	\$36.40	\$36.40
Parts	fuel filter - LS467FNXL	1.00000	\$51.18	\$51.18
Parts	FUEL TRANSFER PUMP - 5362253CUM	1.00000	\$741.39	\$741.39
Parts	FUEL TRANSFER PUMP GASKET - 4954474CUM	1.00000	\$39.05	\$39.05
Parts	PRESSURE SENSOR - 4921728CUM	1.00000	\$389.86	\$389.86
Parts	CHECK VALVE - 4010077CUM	1.00000	\$186.89	\$186.89
	Subtotal			\$2,844.77

Item	Description	Quantity	Rate	Amount
Concern: Diagnose Driveline Vibration				
Cause: Customer request				
(Inspection)				
Labor	Correction: Chassis / Chassis / Check driveline. Check gearbox levels. Added oil to the rear drop box. Suspect bearing starting to fail. Lots of filings on the drain plug. Wasn't any oil in the sight glass. Looks like it ran hot. Check differentials and transmission levels. Added oil to both differentials. Transmission was fine Notified customer of findings and suggest to run the unit and monitor drop box bearing play. - Completed: 8/7/2024 - Assigned tech(s): Dale Catt	2.50000	\$140.00	\$350.00
Parts	Transmission Oil - 50 WT - SYN50	14.00000	\$23.80	\$333.20
Parts	80w90 Gear Oil - 80w80	10.00000	\$10.92	\$109.20
Subtotal				\$792.40

Unit: 300 VIN: 1NP1L40X19D785281
License Plate: (AB) U-08877
2009 Peterbilt
Chassis: 641,199 Kilometers
Engine: 10,528 Hours

Labor	\$1,750.00
Parts	\$1,887.17
Shop Supply & Enviro Fee	\$200.04
Pre-Charge Subtotal	\$3,837.21
GST	\$191.86
(5% of \$3,837.21)	
Total	\$4,029.07
Payments & Credits	\$0.00
Balance Due	\$4,029.07

Retorque wheels within 50 km.

Parts Policy:

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Storage Policy:

Units must be authorized for repair within 48 hours of notification. After 48 hours storage fees of \$50/day apply. After 7 days, Keabray Holdings Ltd reserves the right to remove the unit and associated parts from the premises. Units left over 90 days will be considered abandoned. Keabray Holdings Ltd is not responsible for loss or damage to units removed or left beyond 48 hours after completion. Units left more than 48 hours post-completion may incur additional costs and storage fees of \$50/day minimum. We do not assume any liability for articles or items left in/on units well in our possession.

Warranty and Payment:

Keabray Holdings Ltd honors manufacturer warranties and offers a limited Labour warranty unless specified otherwise. Full details at The company are not responsible for regional regulation compliance. Account terms are Net 30 days. Interest of 3.0% per month applies to overdue accounts. Warranty may be suspended or terminated for services unpaid within 90 days of the invoice date. Acceptable payments: Cash, Visa, Mastercard, EFT, wire transfer, certified cheque, bank draft, and company cheque with Credit Card Number. Credit card transactions incur a 2.7% processing fee. Returned payments are subject to processing and administration fees.

GST#: 862269537 RT0001

Absolute Heavy Duty Repair 2023
div of Keabray Holdings Ltd.
 A Division of Keabray Holdings LTD
 PO Box 5125 STN Main
 Drayton Valley, AB T7A1R3, CA
 Absolutesservice@keabray.ca
 780-542-8242



Invoice: **INV-7028**
 Date: **7/10/2024**

Bill To
 KPA Pressure Services

Remit Payment To
 Keabray Holdings Ltd.
 PO Box 5125
 DRAYTON VALLEY, AB T7A 1R3, CA

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SO-3020	Net 30	8/9/2024			Ekstrom, Kale	300
Item	Description	Quantity	Rate	Amount		
	Concern: Change clutch					
	Cause: Customer request					
Labor	<p>Correction:</p> <p>Clutch / Clutch / Pull unit in check over, clutch making lots of noise when clutch depressed. Cross shafts have excessive play in bell housing.</p> <p>Jack up front end installed jack stands, start pulling out tranny, drop drive line, pull hyd pump, splines on pto and pump lock good. Unhook various lines and electrical</p> <p>Slide tranny out unbolt clutch. Clutch had excessive wear on plate springs, springs almost falling out.</p> <p>Had to remove P/S step box, remove exhaust.</p> <p>Unbolt fly wheel sent out to get machined. - Assigned tech(s): Shawn Mackenzie, Zac Salzi</p> <p>Rear engine seal leaking rear engine mounts loose, all clutch linkage loose also. Russell stopped by and was asked for go ahead he said yes, also to the engine blow by breather drain tube.</p> <p>Pull bell housing off tranny, had to drain tranny oil to do so. Cleaned up inspect, cross shaft bushings came out in pieces, got new bushings to test and were snug in housing so won't need new bell housing as previously thought.</p> <p>2 new u joints behind tranny, while shaft out yoke to steady breaking nut loose and yoke out of time, took yoke off and spun steady bearing was loose and noisy,</p> <p>let customer know so changed steady bearing and timed yoke on drive shaft.</p> <p>Install new input kit into tranny, pull halo Lube pipe inspect try to find orings that fit, new gasket installed supplies in kit.</p> <p>Grind clutch fork down so it doesn't hit throw out bearing. Lock tight all bolts, new bell housing bolt also clutch bolts with lock washers and blue lock tight.</p> <p>Slide tranny back in with clutch bolt up, unbolt filler cap to rotate engine for clutch to be Bolted up.</p> <p>Hook up air lines and hoses, clean floor around shifter, floor fairly dirty, wash floor plate to get all new bolts to seat cover to floor. Install hyd pump into pto</p> <p>add grease splines look OK. Hook up drive line new strap kit and bolts came with new u joints. install new grease hose on clutch old one damaged. Grease clutch linkage and all drive line.</p> <p>Fill tranny back up. Warm touch up test drive went OK, pull back in check tranny level good, repair small air leak on top of tranny.</p> <p>Found rear structure leaking engine oil when engine up to running temp. - notified Geoff by phone, will address at later date. - Completed: 7/8/2024</p>	21.00000	\$140.00	\$2,940.00		
Parts	Clutch assembly - 755.NC2050-25E	1.00000	\$1,523.84	\$1,523.84		
Parts	Cross shaft 9.625in Peterbilt - 755.CS109	1.00000	\$79.24	\$79.24		

July
 5.350
 #12586

Item	Description	Quantity	Rate	Amount
Parts	clutch cross shaft - CS106C1498	1.00000	\$34.10	\$34.10
Parts	Hex nut NYL - HWC00063	1.00000	\$8.97	\$8.97
Parts	1810 half round u-joint - 5-676x	2.00000	\$187.74	\$375.48
Parts	Center bearing - 750.210661-1XSA	1.00000	\$139.73	\$139.73
Parts	GREASE HOSE 18" - 11141	1.00000	\$17.33	\$17.33
Parts	CLAMP 5" ID MUFFLER - MC-500	1.00000	\$15.05	\$15.05
Parts	5" Exhaust Clamp - 562.U3105A	2.00000	\$20.02	\$40.04
Parts	5" SS Flex pipe - 562.U7250-25SS	1.00000	\$39.83	\$39.83
Parts	BOLT 1/2 X 2 GR8 PL NC - CS8SC-050-200	4.00000	\$1.38	\$5.52
Parts	NUT 1/2" GR8 NC NYLON LK - NN8SC-050	4.00000	\$0.62	\$2.48
Parts	WASHER 1/2 GR8 PLATED - 8WS-050	4.00000	\$0.30	\$1.20
Parts	GASKET CIRCULAR 5" - 562.U85591	2.00000	\$27.27	\$54.54
Parts	Eaton Transmission Input Kit - K3762	1.00000	\$495.54	\$495.54
Parts	Transmission Oil - 50 WT - SYN50	10.00000	\$23.80	\$238.00
			Subtotal	\$6,010.89

Concern: Remove and replace clutch linkage

Cause: Customer request

(Inspection)

Labor	Correction: Clutch / Clutch Linkage / Clutch linkage assembly worn out. Accessed and removed linkage assembly (riveted to underside of cab) had to access rivets through cab under carpet. Cut out all rivets and removed assembly. Installed new linkage and riveted in as needed. Re-assembled interior and attached clutch pedal. adjusted freepay on pedal to spec. - Completed: 7/8/2024 - Assigned tech(s): Shawn Mackenzie	8.00000	\$140.00	\$1,120.00
Parts	engine mount - MR1001	4.00000	\$58.11	\$232.44
Parts	clutch linkage assembly - E17-6002-002	1.00000	\$473.38	\$473.38
Parts	Seal Kit - 4965569CUM	1.00000	\$196.30	\$196.30
Parts	hex nut 1/2 - HWC02552	3.00000	\$4.19	\$12.57
Parts	hex nut jam 1/2 - 06-01105	1.00000	\$10.25	\$10.25
Parts	nyl hex nut 5/8 - HWC06894	4.00000	\$6.26	\$25.04
Parts	hex bolt 5/8 - HWC06630	4.00000	\$13.97	\$55.88
Parts	5/8 round washer - HWU05795	8.00000	\$1.76	\$14.08
Parts	snubbing washer - 05-18713SPL	4.00000	\$22.39	\$89.56
Parts	male tie rod end - 06-00984	3.00000	\$113.64	\$340.92
Parts	elastomeric rod end - J21270-14	1.00000	\$90.30	\$90.30
			Subtotal	\$2,660.72

Concern: Remove and replace rear engine mounts

Remove and replace rear engine seal

Cause: Customer request

(Inspection)

Item	Description	Quantity	Rate	Amount
Labor	Correction: Engine / Motor Mounts / Used special tool to remove rear crank seal. Seal stuck in place 2 attempts required for removal. Once old seal removed, cleaned sealing surface and buffed crank with emery cloth. Used special tool to install new seal in place. Accessed rear engine mount location, moved aside airlines and hoses in the way. Supported rear of engine with special lifting tool. Removed mounting boots as needed (2 bolts seized in bushings *extra time required for removal) Once bolts Removed, engine lifted and supported while rubber mounts removed. - Assigned tech(s): Zac Salzl Installed all new rubber bushings plates and bolts. Lowered engine in to place and tightened as needed. - Completed: 7/8/2024	12.00000	\$140.00	\$1,680.00
Parts	ISX Rear Seal - 4695569CUM	1.00000	\$204.12	\$204.12
			Subtotal	\$1,884.12

Concern: Remove and replace crank breather drain

Cause: Remove and replace crank breather drain

(Inspection)

Labor	Correction: Chassis / Chassis / Install new crankcase breather tube that runs along block behind air compressor. - Completed: 7/8/2024 - Assigned tech(s): Steve Ernst	2.00000	\$140.00	\$280.00
Parts	oil drain tube - 2892720	1.00000	\$57.65	\$57.65
			Subtotal	\$337.65

Unit: 300 VIN: 1NPTL40X19D785281

License Plate: (AB) U-08877

2009 Peterbilt

Chassis: 637,413 Kilometers

Engine: 10,356.30 Hours

Labor	\$6,020.00
Parts	\$4,873.38
Shop Supply & Enviro Fee	\$599.14
Pre-Charge Subtotal	\$11,492.52
GST (5% of \$11,492.52)	\$574.63
Total	\$12,067.15
Payments & Credits	\$0.00
Balance Due	\$12,067.15

Retorque wheels with in 50 km.

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Warranty and Payment: