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401196

UNITED DIESEL SERVICE
REMIT PAYMENTS TO P.O. BOX 26803, SALT LAKE
CITY UTAH, 84126
1905 PIONEER ROAD
Salt Lake City, UT 84104
(801) 972-2378
ar@uniteddieselservice.net

Invoice # 10700

DT
20 AM MDT
Payment Term: Net 30

Service Writer: Kacey Cotner Office Manager

**2007 INTERNATIONAL SF547 (Orange, #STATE
PLOW TRUCK)**

VIN: 1HTWXSBT57J414455
Mileage In: 47,250
Mileage Out: 47,250

4455F

FEDERAL INSPECTION

Needs to address some repairs before passing federal
---Craig---Items Fixed To Pass Federal Inspection. New Fire Extinguisher Put In Truck.

Description	Price	QTY	HRS	Subtotal
1			0.6	\$75.00
2 FIRE EXTINGUISHER	\$114.90	1		\$114.90
				Total: \$189.90

ABS LIGHT ON

Rr WSS open or shorted code cable was rubbed threw . Repaired the cable and code went inactive
needs more diagnosis

Description	Price	QTY	HRS	Subtotal
1 Diag and repair ABS			8	\$1,000.00
2 QUICK RELEASE VALVE	\$20.94	1		\$20.94
Discount (10%): (\$102.09)				Total: \$918.85

HYDRAULIC HOSE LEAK ON RIGHT SIDE

Hose from hydraulic valves to plow burst . Need to remove and measured to order new hose 15 1/2' 1/2 p3500 psi . Removed and replaced hose . Zipped tied it up to secure it .

Robert Gonzalez

Description	Price	QTY	HRS	Subtotal
1 Remove and replace the leaking hyd hose			6	\$750.00
2 HYDRAULIC HOSE ASSEMBLY Part #: 01962002	\$268.51	1		\$268.51
Discount (15%): (\$152.78)				Total: \$865.73

REPLACE RIGHT REAR DRIVE AXLE BRAKE CHAMBER

---Craig---Found And Replaced Bad Brake Can Right Front Drive Axle. Was Type 30x30 Reg.

Description	Price	QTY	HRS	Subtotal
1 Replace brake can			1.5	\$187.50
2 3030 LONG STROKE Note: BRAKE CHAMBER LONG STROKE	\$94.00	1		\$94.00
Discount (15%): (\$42.23)				Total: \$239.27



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REPLACE U-JOINT ON REAR DRIVE AXLE INPUT SHAFT

REMOVED AND REPLACED U JOINT
REMOVED AND REINSTALLED DRIVELINE
GREASED U JOINT

Description	Price	QTY	HRS	Subtotal
1 replace u-joint x 1			1.5	\$187.50
2 U-JOINT Part #: DS5675X	\$131.80	1		\$131.80
Discount (15%): (\$47.90)			Total: \$271.40	

REPLACE BRAKE SHOES AND DRUMS ON REAR DRIVE AXLE

JT 08/21/2024
Removed wheels
Removed and replaced brakes shoes, drums, brake hardware
took a while to take the 4 wheels off due to a lot of rust as well as the brake anchor

Description	Price	QTY	HRS	Subtotal
1 Brake shoe replace 2 positions			4.5	\$562.50
2 BRAKE DRUM Note: 16.5X7 BRAKE DRUM	\$133.75	2		\$267.50
3 BRAKE SHOE KIT Note: 4707 Q+ BRAKE KIT FOR DRIVE AXLE	\$85.20	2		\$170.40
Discount (10%): (\$100.04)			Total: \$900.36	

REPLACE REAR DRIVE AXLE SLACK ADJUSTERS

---Craig---Assisted With Removing Old Slack Adjuster. Used Air Hammer On Right Rear And Had To Use Torch To Cut The Left Rear One Out. Installed Both New Slack Adjuster On Rear Axle. Both Slack Adjuster On Front Drive Axle Were Ok After Working Back And Forth. Adjusted All Four Rear Brakes And Greased Slack Adjusters And S-Cams

REMOVED AND REPLACED
slack adjuster and its hardware

REMOVED AND REINSTALLED
brake chamber
wheels
drum
brakes

took a bit of time to get the old ones off due to a lot of rust had cut one of the slack adjuster with a torch and use an air hammer on the other side to get it off
cleaned s cam chamber
greased slack adjuster and s cam tube

Description	Price	QTY	HRS	Subtotal
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REPLACE REAR DRIVE AXLE SLACK ADJUSTERS

1	Replace slack adjusters.		6	\$750.00
2	SLACK ADJUSTER Part #: AS H10141	\$132.84	2	\$265.68
Discount (10%): (\$101.57)				Total: \$914.11

REPLACE AIR COMPRESSOR OIL SUPPLY LINE

Removed and replaced hose . Cleaned off oil spill

Description	Price	QTY	HRS	Subtotal
1 Replace oil compressor line.			2	\$250.00
2 LINE, OIL SUPPLY-COMPRESSOR Part #: 1821023C1	\$113.80	1		\$113.80
Discount (15%): (\$54.57)				Total: \$309.23

CHECK A/C LIGHT ON

Message came on for low Freon recovered only .3 . Filled with nitrogen and found the o rings to the condenser leaking replaced and filled with 2.5 . Compressor is not getting power . Try to power probe compressor with 12 v but it's grounded . Recommend replacing compressor and thermistors

Ac compressor is not getting power . Body control module had a code for Freon being low that was preventing it from giving power to compressor . High pressure switch is new checked wiring and found good ground 5 volts . Tried to clear code and would not clear . Checked Freon and found right amount 2.5 lbs . Checked all harness and pins and found all good . Disconnected bcm and connected test bcm and code didn't not re appear compressor got power and everything started working properly. Recommend replacing bcm

Description	HRS	Subtotal
1 Perform A/C system checks and freon checks.	3	\$375.00
2 Discounted labor for Diag electrical.	10	\$1,250.00
3 Replace A/C compressor during performance checks	1.5	\$187.50
Discount (10%): (\$181.25)		Total: \$1,631.25

REPLACE A/C COMPRESSOR, CONDENSER, ACCUMULATOR, AND THERMISTORS

A/C not working
needs more time for diagnosis

Will- ic works for a while then stops both high and low side lines are getting extremely hot does seem to be circulating correctly. Recommend replacing condenser drier and expansion valve and cleaning out lines .

Travis checked for a/c not working, found cooling fan not coming on, checked override switch on dash, fan didnt come on with override switch, checked paramiters in computer

Description	Price	QTY	HRS	Subtotal
1 Replace A/C compressor, A/C freon filter, pressure test, vacuum test, charge system and check operation.			4	\$500.00
2 MISC A/C SEAL	\$30.52	2		\$61.04



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REPLACE A/C COMPRESSOR, CONDENSER, ACCUMULATOR, AND THERMISTORS

Note: MISC A/C SEALS & WASHERS

3	FREON Note: FREON	\$19.36	3	\$58.08
4	COMPRESSOR, A/C Part #: 2004816AM	\$296.31	1	\$296.31
5	THERMISTOR KIT	\$212.50	1	\$212.50
6	A/C HIGH PRESSURE SWITCH Part #: 9241010	\$113.80	1	\$113.80
7	ACTUATOR, BLEND DOOR Part #: 725-2545	\$135.80	1	\$135.80
8	FREIGHT FOR ACTUATOR	\$81.40	1	\$81.40
9	A/C CONDENSER Part #: 310012	\$168.75	1	\$168.75
10	A/C ACCUMULATOR Part #: 8101205	\$159.80	1	\$159.80
11	A/C ORRIFACE TUBE Part #: 5301055	\$10.98	1	\$10.98
12	A/C SEAL KIT Part #: 790-1069	\$53.80	1	\$53.80

Discount (15%): (\$277.84)

Total: \$1,574.42

FAILURE FOUND, BODY CONTROL MODULE IS BAD

Rafael 09-20

replaced body control module, reprogrammed, tested AC, normal operation, fan working normal, added 2.5 of freon, minimum reached 43.9 F.

Description	Price	QTY	HRS	Subtotal
1 REPLACE BODY CONTROL MODULE			2.5	\$312.50
2 MODULE, BODY CONTROL Part #: 3833155C2	\$3,800.10	1		\$3,800.10

Discount (15%): (\$616.89)

Total: \$3,495.71

REPAIR DOOR FOR CONTROL PANEL AT REAR OF TRUCK

---Craig---Put A 1" Angle On Broken Part Of Door, Drilled And Secured With Screws.

Description	Price	QTY	HRS	Subtotal
1 REPAIR DOOR			2	\$250.00
2 ANGLE BAR, 1" X 12" 1/16 THICK	\$11.38	1		\$11.38

Discount (10%): (\$26.14)

Total: \$235.24

REPAIR POWER STEERING LEAK



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REPAIR POWER STEERING LEAK

Removed ps pump and adapter plate . Cleaned all surfaces off and removed old gasket . Cleaned off all the oil . Waiting on o ring to put everything back together and fill ps fluid reservoir

PAULC FINISHED THE INSTALLATION AND TOPPED UP THE ATF OIL

Description	Price	QTY	HRS	Subtotal
1 Repair Power steering leak			2	\$250.00
2 GASKET, P/S PUMP Part #: 591597C2	\$29.48	1		\$29.48
3 O-RING, P/S ADAPTER Part #: 1178801	\$44.10	1		\$44.10
4 ATF / POWER STEERING FLUID Note: ATF / POWER STEERING FLUID - BILLED BY THE QUART	\$8.42	6		\$50.52
Discount (15%): (\$56.12)				Total: \$317.98

REPAIR COOLANT LEAK OFF OF AIR COMPRESSOR

Removed steel coolant line and replaced it with new one . Fed the new one in and tightened it up . Filled with new coolant 32 qts . Pressure tested coolant system and found no leaks . Final I put back the dog house and driver seat

Description	Price	QTY	HRS	Subtotal
1 REPLACE COOLANT LINE ON AIR COMPRESSOR			4	\$500.00
2 COOLANT LINE, STEEL Part #: 270-5099	\$169.21	1		\$169.21
3 COOLANT - RED - EXTENDED LIFE AF/C	\$22.58	8		\$180.64
Discount (10%): (\$84.99)				Total: \$764.86

Thank you for your business. The work is complete and your payment is due upon pickup of the vehicle. Mechanics liens may be placed on vehicles until repairs are paid for in full. Please contact us promptly if you have any questions about anything we did.

"Customer agrees that in the event that the Customer fails to pay when due or in the event of a dispute over the work performed, United Diesel will be entitled to recover all of its collection costs, attorney fees, and expenses incurred in pursuing amounts due to it or in pursuing or defending itself in any dispute."

WARRANTY WORK POLICY; if warranty is needed it will be completed here at 1905 Pioneer Rd, Salt lake City, Utah 84104 or the work will not be covered or paid for by United Diesel Service.

Parts	\$7,085.22
Labor	\$7,387.50
Subtotal	\$14,472.72
Discount	\$1,844.41
Tax	\$0.00
Grand Total	\$12,628.31
Paid To Date	(\$0.00)

REMAINING BALANCE

\$12,628.31

Signature _____

Authorizations