





Sioux City Truck and Trailer Inc.

3900 Harbor Drive Sioux City, IA 51111 Phone: (712) 258-2444 Fax: (712) 258-8106

www.northamericantrucktrailer.com

Customer: HOLLOWS TRUCKING INC.

712 752-8644

144250 3810 LOG AVE

HOSPERS, IA 51238

Ship To: HOLLOWS TRUCKING INC.

3810 LOG AVE HOSPERS, IA 51238 REPRINT CUSTOMER INVOICE Work Order SC5410

Invoice Date: 10-31-19

Dage 1 of 6

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	D.0 - 1	les / Madal	V	IN	License	Mileage	e Unit / Stock	Color
Year		ke / Model		95N382718		968784	26998	
2011	VOL	VO / VNL64T				Vov. Tog	Service Writer	P.O. Number
Open	Date / Time	Delivery Date	Complete	Engine F	iours	Key Tag		
	19 / 10:30AM	07-14-04	10-30-19 28620.0			101*bwp		
			Transmission Model/Serial #			Rear Axle Model / Serial #		
	Engine Model / Se			229 / LB0400				
D12*41	9362*D2*A / D12*4	119362*D2*A	LB04007	229 / LB0400	1223			
Memo	ARLIN HOLLOWS 7:	123951351						

- 1 CSA Check 22 Inspection Quick Care / Ride Assured is a basic service and Vehicle Inspection Inspection done
- 2 DIAG CHECK ENGINE LIGHT

CAUSE:

CORRECTION:

38412- Pulled truck into the advanced bay, hooked up computer and checked codes . 38412-test egr sys - found #1 jumper pipe leaking and # 2 only opens to 81% , EPG valve has openshort . 38412- EGR valves need resealed , EPG valve needs replaced . 13912 During test drive a check engine light came on. Brought truck back into shop, hooked up and printed faults. There were 4 inactive faults, list attached. Started to trouble shoot code MID 128 PPID 124 FMI 4. Checked fuse and found ok. 13912 Continued trouble shooting code mid 128 ppid 124 fmi 4. Had 12v at pins 1&7 with key on. Activate valve and code would become active and was not getting voltage at pin 2. Determinded valve is bad after 13912 Continued to trouble shoot fault code. Removed air cleaner

assembly and egr shield. Removed valve cover to inspect connections at oil control valve.

TOTAL LABOR

1,524.00

3 REPAIR CHECK ENGINE LIGHT CAUSE: CORRECTION:

PLEASE SEE REVERSE SIDE FOR ADDITIONAL DISCLOSURES.

SHOP SUPPLY COSTS: We have included a charge equal to 10% of the total cost of parts and labor, not to exceed \$350.00, in the Misc. Charges amount for shop supplies used

WARRANTY STATEMENT AND DISCLAIMER: PLEASE SEE THE DEALERSHIP'S LIMITED WARRANTY ON THE REVERSE SIDE OF THIS REPAIR INVOICE. By signing Below, you acknowledge that you were notified of and authorized the dealership to perform the services/repairs itemized in this invoice and that you received to had the opportunity to inspect) any replaced parts as requested by you. The vehicle is being returned to you in exchange for your payment of the Amount Due. CUSTOMER AGREES TO PAY/REIMBURSE THE DEALERSHIP FOR ALL UNPAID AND DENIED WARRANTY CLAIMS. A FINANCE CHARGE OF ONE AND ONE-HALF PERCENT (1 1/2%) PER MONTH IS APPLIED TO ALL COMMERCIAL/BUSINESS ACCOUNTS 30 DAYS PAST DUE./ THIS EQUALS AN ANNUAL PERCENTAGE RATE OF EIGHTEEN PERCENT (18%). DEALERSHIP ASSUMES NO RESPONSIBILITY FOR PERSONAL ITEMS LEFT IN VEHICLE.

SC5410

	00072			505 120				Page 2 of
Year	Year Make / Model		V	VIN License		Mileag	e Unit / Stock	Color
2011	VO	LVO / VNL64T	4V4NC9GH	H95N382718		968784	26998	
Ope	n Date / Time	Delivery Date	Complete	Engine F	lours	Key Tag	Service Writer	P.O. Mumber
10-12	2-19 / 10:30AM	07-14-04	10-30-19	28620	.0		101*bwp	
	Engine Model / S	Serial #	Transmiss	ion Model/S	erial#		Rear Axle Model / S	Serial #
D12*4	19362*D2*A / D12*	*419362*D2*A	LB04007	229 / LB0400	7229		/	
Memo	ARLIN HOLLOWS	7123951351						

10181-started removing brackets and things out of the way to get engine harness out. started removing engine belts so I could remove the alternator out of the way.

13912 Removed air cleaner assembly, valve cover, and removed the engine harness. Removed fan belts for replacement and found where tensioner mounts to front cover bad. Tensioner and cover needs replaced. Got price quote and approval. Started to reseal egr valves and pipes. 13912 finished installing engine harness as far as could until front cover is installed.

13912 Installed air cleaner assembly, bumper ends. Checked fault codes, had active code for left side repeater. Replaced repeater bulb, tech supplied. Cleared inactive codes and ran.

13912 Ran a egr valve and epg test. All test passed with no check engine light returning.

13912 Traced down wiring, found a dislodged pin in connector fcen 2, pin j. Also found in harness the ecm power feed wire worn almost completely through. Repaired wiring and sent on another test drive.

> TOTAL LABOR TOTAL PARTS

2,349.50 3,965.98

 Qty	ty Part Number		Desc Lis		List		Unit	Extended	
2	85113699			KIT		237.02	:	118.51	237.02
1	H11			H11 BULB		5.60		5.35	5.35
1	20491756			V-RIBBED		43.73		38.27	38.27
1	20430368			V-RIBBED		18.14		10.45	10.45
	B/0	RELEASE	SCE8568	CONFIRM	#	19755			
1	20448956			FITTING		12.38		10.83	10.83
	B/0	RELEASE	SCE8569	CONFIRM	#	19756			
	B/0	RELEASE	SCE8578	CONFIRM	#	19770			
	B/0	RELEASE	SCE8612	CONFIRM	#	19830			
1	20491755			BRACKET		151.38	:	132.46	132.46
	B/O	RELEASE	SCE8624	CONFIRM	#	19840			
1	20491253			CABLE CHA		96.52		84.46	84.46
1	994387			FLANGE SC		4.51		3.96	3.96
1	20514410			HEAT SHIE		27.09		23.70	23.70
1	833244			SPACER SL		8.14		7.12	7.12
	B/0	RELEASE	SCE8644	CONFIRM	#	19889			
2	20504594			HOSE		187.00		93.50	187.00
2	20504592			FITTING		65.08		32.54	65.08
2	85107012			FITTING		105.94		52.97	105.94
6	983472			CABLE TIE		3.36		0.56	3.36
24	CT05317			TIE-CABLE		4.32		0.18	4.32

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Year		Make / Model	VIN License			Vileage	Unit / Sto	ock	Color	
2011	'	VOLVO / VNL64T	4V4NC9GH	H95N382718			968784	26998	-	COIOI
Open	Date / Time	Delivery Date	Complete	Engine	Hours	Key Ta		Service Writ	-	DO N
10-12-	19 / 10:30AM	07-14-04	10-30-19	28620		Key I	18	101*bwp	er	P.O. Number
	Engine Model		Transmiss	ion Model/			R	ear Axle Mode	1/50	rial #
D12*41	9362*D2*A/D1	L2*419362*D2*A		7229 / LB0400				/	1/36	IIdi #
Memo	ARLIN HOLLOW	S 7123951351		223 / 220 100	1225				-	
	16	3964604	BUS	HING	62.72		3.92	62.72		
	1	21123014	SEA	LING S	131.33		14.91	114.91		
	1	21599201	WIR	RING HA	1,232.45		21.64	821.64		
	1	3165064	TIM	IING GE	2,277.35		8.23	1,518.23		
	1	85013115	DRI	VING D	793.74	-	9.16	529.16		

4 LEFT LOW BEAM HEADLIGHT OUT

CAUSE:

CORRECTION:

38412- check lighting

10181-removed and installed left hand headlight bulb. Lights work as the should now

TOTAL LABOR

63.50

5 DIAG LOW COOLANT LIGHT - DRIVER HAS CHECKED AND FULL OF COOLANT CAUSE:

CORRECTION:

13912 Could not duplicate low coolant light. Did a visual check and had proper amount of coolant. May have been a harness issue. TOTAL LABOR 25.40

- 6 REPAIR LOW COOLANT LIGHT DRIVER HAS CHECKED AND IT IS FULL OF COOLANT Could not duplicate this LOW COOLANT issue, we believe this was fixed in another repair.
- 7 REPLACE ENGINE BELTS

CAUSE:

CORRECTION:

13912 Went to replace belts and found tensioner moves on front cover. Front cover is worn not holding tensioner in place. Got a

price quote for cover replacement. Customer okay'ed repair.

13912 Removed belt tensioner to confirm damage. Front cover is damaged. Recovered coolant and freon.

13912 Removed egr crossover piping, upper gear cover. Drained coolant, recovered freon. Removed upper coolant piping. Tried to remove transmission cooler lines from radiator and they are frozen. Noted that acc drive is leaking. Got a price quote for new lines, fittings and a acc drive. waited for approval. Removed a/c compressor and parts that could be taken off.

13912 Cut transmission cooler lines and started removing support in

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DUDICE HAT	e: 10-31-19			000 120				
Year Make / Model		VIN L		License	Mileage	Unit / Stock 26998	Color	
2011		LVO / VNL64T 4V4NC9GH95N382718		968784				
	Date / Time	Delivery Date	Complete	Engine I	Hours	Key Tag	Service Writer	P.O. Number
	-19 / 10:30AM	07-14-04	10-30-19	28620	0.0		101*bwp	
	Engine Model / Se	erial #	Transmi	ssion Model/	Serial #	F	Rear Axle Model / S	erial #
	19362*D2*A / D12*4			07229 / LB0400			1	
Memo	ARLIN HOLLOWS 7							

front of radiator.

13912 After getting cooling package out, removed lower gear case. Cleaned block, Swapped sound deading cover to new gear case. Installed new gear case. Cleaned and installed upped gear case. Installed new acc. drive.

13912 Installed new wiring shield, engine fan, a/c compressor and alternator.

13912 Installed new tensioner and belts. Installed fan hub and blades. Installed schroud. Replaced fitting in radiator and installed cooling package. Refilled coolant and charged a/c with what came out. Replaced fittings in transmission and installed new hoses.

TOTAL LABOR TOTAL PARTS

2,540.00 372.06

Qty Pa		Desc	List	Unit	Extended
1 96 1 38 2 39 1 81 1 96 3 HW 1 19 1 98	714247 77344 330184 979639 149301 67944 WC01045 90252 84752 T05512	SEALING S O-RING SEAL PLANE GAS GASKET O-RING SPACER-RO O-RING FLANGE SC TIE-CABLE BELT TENS	29.45 14.60 16.99 42.70 7.86 4.67 5.67 1.35 2.57 4.20 364.76	25.78 12.78 14.86 21.35 6.88 4.08 1.89 1.19 2.24 0.35 251.68	25.78 12.78 14.86 42.70 6.88 4.08 5.67 1.19 2.24 4.20 251.68

8 REPLACE EPG VALVE

CAUSE:

CORRECTION:

13912 Found out that customer complaint that fuse for valve keeps blowing. Was instructed to replace valve. Went to remove valve and found that it is a new style valve. Need to wait until harness is replaced to diag complaint.

13912 Replaced epg valve, operated it several times. Sent on test drive.

> TOTAL LABOR TOTAL PARTS

254.00 671.89

Qty Part Number	Desc	List		Extended
1 22539850	VALVE	1,007.83	671.89	671.89

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Year	Ma	ke / Model		VIN	License	Mileage	e Unit / Stock	Color		
2011	VOI	VO / VNL64T	4V4NC9G	H95N382718		968784	26998			
Open	Date / Time	Delivery Date	Complete	Engine I	Hours	Key Tag	Service Writer	P.O. Number		
	19 / 10:30AM	07-14-04	10-30-19	28620	0.0		101*bwp			
E	ngine Model / S	erial#	Transmis	sion Model/	Serial #		Rear Axle Model / Serial #			
D12*41	9362*D2*A / D12*	419362*D2*A	LB0400	7229 / LB0400	7229					
Memo	ARLIN HOLLOWS 7	123951351								

9 RESEAL EGR VALVE

CAUSE:

reseal egr valves

CORRECTION:

13912 Removed piping and egr valves. Cleaned and reassembled with new clamps and gaskets. Ordered new track /heat shield for egr wiring because old is so broken up.

TOTAL LABOR

317.50

SHOP SUPPLIES

350.00

SLS-SVC CUST LBR TRK	7,073.90
SLS-PTS P&A RO MECH	5,009.93
OTHER SUPPLIES-SVC	350.00
SALES TAX	870.37
DIEASE DAY THIS TOTAL	13,304,20

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