

Truck Centers Inc.

Dealership Location:
2280 Formosa Rd.
Troy, IL 62294
(618) 667-3454

SERVICE INVOICE REPRINT
R110178579:01

DATE INVOICE
12/10/2024

Illinois: Decatur, Effingham, Eureka, Hudson, Morton, Mt. Vernon, Springfield, & Troy
Indiana: Elkhart, Evansville, South Bend
Missouri: St. Louis & Foristell
Thirteen Convenient Locations or Online at: www.truckcentersinc.com

White

Please Remit Payment to:
P.O. Box 419598
Kansas City, MO 64141-9598
618-667-3454

TERMS
DUE 10TH PROX
EMAILED: YES



BILL TO	SONNEBORN BROS. INC.	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	

SHIP TO	SONNEBORN BROS. INC.	102185
	25416 ROUTE 111	
	HETTICK, IL 62649 (618) 778-5252	

CUST PO #	FLEET NUMBER	VIN	SERVICE ADVISOR	PAYMENT CODE
104	104	3AKJGEDV9GSGV3857	Gavyn Lietz	SRET
YEAR	MAKE	MODEL	ODOMETER	START DATE
2016	FREIGHTLINER	CA125DC	551327	12/10/2024 8:57:21AM
				COMPLETION DATE
				10/8/2024 9:08:18PM

JOB #1 U98 SRET PICKUP AND DELIVERY

CONDITION: PICKUP AND DELIVERY **
CAUSE: Customer request
CORRECTION:

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
1	LABOR *DLVRY		PICK UP & DELIVERY		100.00	0.00 100.00
Job# 1	Labor: 0.00	Parts: 0.00	Other: 100.00	Sub-Total: 100.00		

JOB #2 EA SRET EXPRESS ASSESSMENT

CONDITION: UNIT IS BEING SENT IN FOR THE SAME NOX CONVERSION EFFICIENCY AND DEF QUALITY CODES PARTS HAS ONE BOX ON ORDER IF NEEDED
CAUSE:
CORRECTION: FAULT CODES:

- ACM21T 4364/18 - SCR NOX Conversion Efficiency Low (4364/18) STATUS: VERIFIED via Parked Regeneration
- ACM21T 3364/2 - Improper DEF Quality (3364/2) STATUS: VERIFIED via Parked Regeneration

Reviewed history of repeated comeback for same codes 3364/2 and 4364/18. Several parts have been replaced on previous tickets; dpf's, doser lines, nox sensors, awning kit, delta p, turbo, air filter. Reviewed diag for codes and did troubleshooting once more to verify nothing was missed. Def quality and quantity are good, nox sensors are 330/318 during low temp atd. Regen nox conversion was low but came up to 98% then dropped back down to 90%. At idle nox conversion is 85-86%. Read on previous ticket tech test drove unit while monitoring nox conversion and it was down at 80%. Spoke to ray, given all the diag and parts replaced and repeat comeback for nox conversion faults we agree that the Ibox needs replaced. Advised service.

Got approval for Ibox. Pulled unit in and gathered parts. Unbolted pipes and disconnected electrical and def doser from Ibox. Unbolted and pulled Ibox assy. Disassembled Ibox and unpacked new box. Assembled new box, reused dpf's. Had to replace a couple temp sensors because they seized in the Ibox, the outlet nox sensor because the threads pulled out when removing it, and the pressure tubes because the threads looked damaged on the inlet pressure tube and the outlet pressure tube would not come out. Mounted box and reconnected pipes, electrical, and def doser. Installed step brackets and step. Started engine and pulled outside to start regen, noticed coolant leaking from front of engine. Stopped regen and shut off engine. Advised ray and service both, ray said diagnose and get approval to fix the leak

Performed regen to verify fix, nox conversion was at 94%. Regen completed with no issue. Ran second regen, nox conversion was even better at 98% and steady throughout regen. Advised service water pump is still leaking. *did not test drive unit because water pump is leaking and did not want to risk break down on road.*

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
1	LABOR		DOC&CLAMPKIT			2,716.00
1	110F/DDE EA6804905356			NOLOC	8,072.62	8,072.62
2	110F/DDE A6804910480		GASKET, DPF	PEG10	23.65	47.30

See last page for total

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QTY	ITEM	DESCRIPTION	PART NO	UNIT PRICE	EXTD PRICE
2	110F/DDE A6809950202	CLAMP, V-BAND, DPF	A07001	52.24	104.48
2	110F/DDE A4709971245	GASKET - INLET PIPE	A07016	9.78	19.56
2	110F/DDE A6809950302	CLAMP, FLAT BAND, DPF	A07002	100.69	201.38
1	110F/DDE A0001421180	GASKET, DEF DOSING UNIT	16011G	15.00	15.00
3	110F/DDE A0019909403	SCREW, DEF DOSING UNIT, 16MM	16011G	2.63	7.89
1	110F/DDE A6804912437	PRESSUR LINE	A07025	37.04	37.04
1	110F/DDE A6804912537	PRESSUR LINE	A07025	35.24	35.24
30	110F/PHM 8 43147	TIE STRAP-14.5IN,BLACK,NYLON,5	A16011	0.15	4.50
1	110F/DDE RA0101532328	NOX SENSOR HDEP 1BOX GHG14 OUT	A08005	351.49	351.49
1	110F/DDE A6805402417	SENSOR, DOC INLET TEMPERATURE	A07025	52.24	52.24
1	110F/DDE A6805401517	TEMP SENSOR	A07025	66.49	66.49
10	110F/DDE A0049941645	SPRING NUT, DPF COVER	16011G	1.14	11.40
10	110F/DDE N910143006001	SCREW, M6X16	16011G	0.56	5.60
2	110F/BRZ,HTM 550	CLAMP 4 3/4 - 5 5/8	BELTS4	3.09	6.18
1	110L/LIBBC	LIBERTY TP BRAKE CLEAN	FLOOR	4.19	4.19
-1	110F/DDE RA0101532328-CORE	NOX SENSOR HDEP 1BOX GHG14 OUT	CORE	140.00	-140.00
1	110F/DDE EA6804905356-CORE	DOC&CLAMPKIT	CORE	700.00	700.00
1	110F/DDE RA0101532328-CORE	NOX SENSOR HDEP 1BOX GHG14 OUT	CORE	140.00	140.00
-1	*SCOS	SERVICE MANAGER DISCOUNT		554.91	-554.91

Job# 2 Labor: 2,716.00 Parts: 9,742.60 Other: -554.91 Sub-Total: 11,903.69

JOB #4 4200000 SRET ENGINE COOLING SYSTEM

CONDITION: CHECK AND ADVISE COOLANT LEAK

CAUSE:

CORRECTION: When the engine is cold at high idle there is a bad coolant leak, leak goes away at operating temp. Washed off area of water pump and dried, pressure tested cooling system and inspected for leaks. Noticed a small leak at blue hose on coolant crossover(above water pump). Hose looks in bad condition but for now i just tightened the clamp to check for the main coolant leak. Leak may be coming from the water pump so i removed the serpentine belt and pulley from the water pump. Sprayed area with brake clean and let dry. Pressurized cooling system and spun water pump hub can see coolant leaking from the hub assy. Went to parts and quoted water pump and hose/seal for coolant crossover pipe and advised service. Called CXA and advised him, he called Larry and got the ok to keep the truck and do the water pump in the morning. Advised service of this. Interbranch the water pump from STL. All other parts are in stock. need to replace water pump and coolant crossover hose.
Replaced water pump, took unit on road test and verified repair.
Did not replace coolant crossover hose due to not having all parts in stock, tightened up clamps, was not leaking after road test, advised CXA and service.

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
	LABOR					911.80
1	110F/DDE EA4722002001		COOLANT PUMP-VARIABLE SPEED	17001D	838.37	838.37
1	110D/OWI AMAB53		ALLIANCE OAT ELC 50/50 6/1 GAL	22010E	9.35	9.35
-1	110F/DDE EA4722002001-CORE		COOLANT PUMP-VARIABLE SPEED	CORE	350.00	-350.00

See last page for total



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	HETTICK, IL 62649 (618) 778-5252	

1	110F/DDE EA4722002001-CORE	COOLANT PUMP-VARIABLE SPEED	CORE	350.00	350.00
Job# 4	Labor: 911.80	Parts: 847.72	Other: 0.00	Sub-Total: 1,759.52	

IMPORTANT: If service work has been performed on wheel nuts or axle u-bolts, they must be re-torqued to specs 25 to 100 miles after the service work has been completed.

SERVICE INVOICE REPRINT

CREDIT CARD TRANSACTIONS: Cardholders signature required on credit card transactions.

PARTS RETURN POLICY: Special order parts are not returnable. All returnable parts are subject to handling charges. All claims and returned parts must be accompanied by this invoice. Not responsible for labor on parts not installed by our shop.

DEFAULT: In the event Buyer defaults on the payment for goods or services provided hereunder, Buyer shall pay and reimburse Seller for all costs of collection, including reasonable attorney's fees incurred by Seller to collect amounts due.

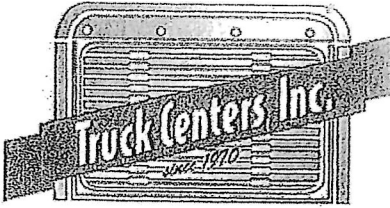
LIMITATION OF WARRANTIES, DAMAGES AND DISCLAIMERS: Truck Centers, Inc. ("TCI" herein) warrants performing all labor in a workmanlike manner. TCI DISCLAIMS ALL OTHER WARRANTIES ON LABOR. Some parts or materials may be warranted by their manufacturer, but TCI DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY AND FITNESS AND ALL OTHER WARRANTIES ON PARTS AND MATERIALS, EXPRESS OR IMPLIED. To the extent permitted by law, TCI's liability for breach of warranty and any other cause is limited to the cost of parts, materials and labor paid by Customer for work performed under this Repair Order. TCI shall not be liable for incidental or consequential damages e.g. loss of wages, use or profits, down-time, substitute vehicles. Customer agrees to pay for all parts and service not covered by manufacturer parts warranty. TRUCK CENTERS, INC. ACCEPTS NO RESPONSIBILITY FOR LOSS OR DAMAGE FROM ANY CAUSE TO ANY VEHICLE PARKED AT ITS FACILITY OR TO ANY CONTENTS OF ANY SUCH VEHICLE.

In order to avoid unnecessary risk of injury to Customers, TCI prohibits Customers from entering vehicle service and repair areas. Customer assumes all risk of injury if present in these areas and agrees to indemnify TCI against loss or liability if Customer incurs an injury while in a vehicle service and repair area.

CUSTOMER AUTHORIZATION AND UNDERTAKING: Customer authorizes the service work (including parts, materials, labor) described herein and use of vehicles in connection with the service work. Unless credit is arranged with TCI in advance, Payment in full is due prior to delivery of vehicle to Customer. If Customer fails to pay for service work when due (1) TCI may retain the vehicle until the amounts due are paid in full and (2) Customer shall pay TCI's cost of collection, including without limitation, reasonable attorney's fees. Customer agrees to pay a storage fee of \$50.00 per day for any vehicle not picked up within (30) days after completion of service work.

MISC CHARGES	454.91
PARTS	10,590.32
LABOR	3,627.80
SUBLET	0.00
SHOP SUPP / DIAG	435.34
TAX	0.00
TOTAL	14,198.55

Truck Centers, Inc. will impose a surcharge of 2.9% on all credit card payments (excludes debit cards).



Truck Centers, Inc. - Troy
 2280 Formosa Rd.
 Troy, IL 62294
 (618) 667-3454 (800) 669-3454

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 Indiana: Elkhart, Evansville, South Bend
 Missouri: St. Louis, Foristell

Please Remit Payment to:
 2280 Formosa Rd.
 Troy, IL 62294
 800-669-3454

TERMS
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 EMAILED: YES

Thirteen Convenient Locations or Online at: www.truckcentersinc.com



SHIP TO
 SONNEBORN BROS. INC 102185
 P.O. BOX 71
 HETTICK, IL 62649

SHIP TO
 SONNEBORN BROS. INC 102185
 25416 ROUTE 111
 HETTICK, IL 62649
 (618) 778-5252

CUST PO#	FLEET NUMBER	VIN	SERVICE ADVISOR	PAYMENT CODE	
UNIT 104	104	3AKJGEDV9GSGV3857	Philip Thole	SRETM1	
YEAR	MAKE	MODEL	ODOMETER	START DATE	COMPLETION DATE
2016	FREIGHTLINER	CA125DC	552276	10/14/2024 11:52:43AM	10/14/2024 1:56:09PM

JOB #1 4600000 SRETM ENGINE ELECTRICAL (ENGINE CONTROLS)

CONDITION: ENGINE ELECTRICAL (ENGINE CONTROLS) PROGRAM CPC FOR CUSTOMER

CAUSE:

CORRECTION: Programmed CPC with latest server configuration for customer.

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
1	LABOR					194.00
	110F/DDE RA0034461002		ECU CPC 4.0 HDEP GHG14	A08005	1,458.24	1,458.24
-1	110F/DDE RA0034461002-CORE		ECU CPC 4.0 HDEP GHG14	CORE	1,400.00	-1,400.00
1	110F/DDE RA0034461002-CORE		ECU CPC 4.0 HDEP GHG14	CORE	1,400.00	1,400.00

Job# 1 Labor: 194.00 Parts: 1,458.24 Other: 0.00 Sub-Total: 1,652.24

JOB #2 ^9900503 SRETM ROAD TIME-MOBILE TECHNICIAN

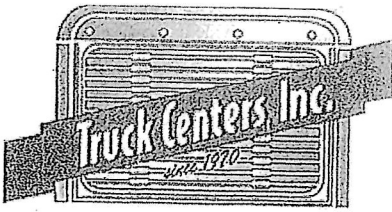
CONDITION: ROAD TIME-MOBILE TECHNICIAN

CAUSE:

CORRECTION: Drove from 2001 Madison Ave (South Roxana) to 25764 IL-111 (Hettick)
 Drove from 25764 IL-111 (Hettick) to 2001 Madison Ave (South Roxana)

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
	LABOR					226.01

Job# 2 Labor: 226.01 Parts: 0.00 Other: 0.00 Sub-Total: 226.01



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BILL TO	SONNEBORN BROS. INC	102185
	P.O. BOX 71	
	HETTICK, IL 62649	

CREDIT	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
	(618) 778-5252	

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LIMITATION OF WARRANTIES, DAMAGES AND DISCLAIMER: Truck Centers, Inc. ("TCI" herein) warrants performing all labor in a workmanlike manner. TCI DISCLAIMS ALL OTHER WARRANTIES ON LABOR. Some parts or materials may be warranted by their manufacturer, but TCI DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY AND FITNESS AND ALL OTHER WARRANTIES ON PARTS AND MATERIALS, EXPRESS OR IMPLIED. To the extent permitted by law, TCI's liability for breach of warranty and any other cause is limited to the cost of parts, materials and labor paid by Customer for work performed under this Repair Order. TCI shall not be liable for incidental or consequential damages e.g. loss of wages, use or profits, down-time, substitute vehicles. Customer agrees to pay for all parts and service not covered by manufacturer parts warranty. TRUCK CENTERS, INC. ACCEPTS NO RESPONSIBILITY FOR LOSS OR DAMAGE FROM ANY CAUSE TO ANY VEHICLE PARKED AT ITS FACILITY OR TO ANY CONTENTS OF ANY SUCH VEHICLE.

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MISC CHARGES	0.00
PARTS	1,458.24
LABOR	420.01
SUBLET	0.00
SHOP SUPP / DIAG	50.40
TAX	0.00
TOTAL	1,928.65

Truck Centers Inc.

Dealership Location:
2981 E. Singer Ave.
Springfield, IL 62703
(217) 525-1280

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CUST PO #	FLEET NUMBER	VIN	SERVICE ADVISOR	PAYMENT CODE	
104	104	3AKJGEDV9GSGV3857	Jeffery Westenh	SRET	
YEAR	MAKE	MODEL	ODOMETER	START DATE	COMPLETION DATE
2016	FREIGHTLINER	CA125DC	547626	10/1/2024 10:56:39AM	9/6/2024 8:49:57AM

JOB #1 4500000 SRET ENGINE POWER PLANT

CONDITION: CEL/MIL

CAUSE:

CORRECTION: Techlane :

ORIGINAL COMPLAINT:

CEL/MIL

MODIFIED COMPLAINT:

FAULT CODES:

NO PRIMARY FAILED COMPONENT

NOTES/DIAGNOSTIC TIMES:

- PULLED THE CODES FOR CEL AND MIL ON AND HAS CODES FOR IMPROPER DEF QUALITY 3364/2 AND CODE FOR SCR NOX EFFICIENCY LOW 4364/18 AND IS CAUSED FROM THE DEF CODE . TESTED THE DEF FLUID AND HAD NO CONTAMINATION ISSUES AND AFTER INSPECTING THE DEF LINES I FOUND THE DEF LINE FROM THE DEF HEADER TO THE DOSER VALVE IS ALL RUBBED UP SND HAS RUBBED THROUGH IT AND WILL NEED THE LINE REPLACED ALSO FOUND THE DEF SUPPLY LINE IS DRIED UP AND CRACKED AND WILL BOTH OF THE LINES REPLACED . ALSO HAS A CODE FOR THE CRANK CASE BREATHER SPEEDS TO LOW AND NEEDS THE CRANK CASE BREATHER ASSY REPLACED ALSO WILL REQUIRE A REGEN ONCE THE REPAIRS ARE MADE TO CLEAR THE CODES . PARTS IS GETTING A QUOTE FOR ALL PARTS NEEDED FOR THE REPAIRS .TP

- REPLACED BOTH DEF LINES AND SECURED THEM FROM RUBBING IN THE FUTURE ALSO REPLACED THE CRANK CASE BREATHER ASSY WITH NEW SENSOR AND FOLLOWED MOORE DIAG AND RAN THE DEF QUANTITY TEST AND IS IN SPECS ALSO STARTED A REGEN AND NEEDED TO COMPLETE A LOW TEMP REGEN AND STILL NEED TO COMPLETE ALL DIAG FOR THESE CODES .TPNOTES/REPAIR TIMES:

- FOLLOWED UP ON DIAGNOSTICS FOR THE CODES AND WAS ABLE TO RUN A COOMplete PARKED REGEN AND ALL CODES WENT INACTIVE AND THE NOX CONVERSION WAS HOLDING STEADY AT 90 PERCENT AND IS WEL IN SPECS AND HAD NO CODES RETURN AND HAD NO DEF ISSUES . WAS ABLE TO CLEAR ALL OLD CODES AND NO CODES RETURNED . TP

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
	LABOR					296.50
1	120F/DDE A0005850202-1		DEF TEST STRIP-INDIVIDUAL	BC	0.50	0.50
1	120F/DDE EA4720108262		BREATHER ASSEMBLY - CRANKCASE	134	379.78	379.78
1	120F/DDE A4720180780		GASKET, CRANKCASE BREATHER	GB	8.35	8.35
1	120F/04-31885-180		"DEF LINE-SUPPLY,1800MM"	220PEG	184.60	184.60
1	120F/04-31887-240		"DEF LINE-RETURN,2400MM"	220PEG	137.17	137.17
20	120F/PHM 8 44147		TIE STRAP-15IN BLACK,NYLON,100	041	0.25	5.00
1	120F/DDE A0071535928		SENSOR, CAMSHAFT POSITION	102C	26.02	26.02
-1	120F/DDE EA4720108262-CORE		BREATHER ASSEMBLY - CRANKCASE	CORE	112.00	-112.00

See last page for total



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1	120F/DDE EA4720108262-CORE	BREATHER ASSEMBLY - CRANKCASE	CORE	112.00	112.00
Job# 1	Labor: 296.50	Parts: 741.42	Other: 0.00	Sub-Total: 1,037.92	

IMPORTANT: If service work has been performed on wheel nuts or axle u-bolts, they must be re-torqued to specs 25 to 100 miles after the service work

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MISC CHARGES	0.00
PARTS	741.42
LABOR	296.50
SUBLET	0.00
SHOP SUPP / DIAG	0.00
TAX	0.00
TOTAL	1,037.92

Truck Centers, Inc. will impose a surcharge of 2.9% on all credit card payments (excludes debit cards).

Truck Centers Inc.

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Troy, IL 62294
(618) 667-3454

SERVICE INVOICE
R110172741:01

DATE INVOICE
04/29/2024

Illinois: Decatur, Effingham, Eureka, Hudson, Morton, Mt. Vernon, Springfield, & Troy
Indiana: Elkhart, Evansville, South Bend
Missouri: St. Louis & Foristell
Thirteen Convenient Locations or Online at: www.truckcentersinc.com

Please Remit Payment to:

2280 Formosa Rd.
Troy, IL 62294
618-667-3454

TERMS
DUE 10TH PROX
EMAILED: YES



BILL TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	

SHIP TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
	(618) 778-5252	

CUST PO#	FLEET NUMBER	VIN	SERVICE ADVISOR	PAYMENT CODE	
104	104	3AKJGEDV9GSGV3857	Jessica Becker	SRET	
YEAR	MAKE	MODEL	ODOMETER	START DATE	COMPLETION DATE
2016	FREIGHTLINER	CA125DC	524753	4/26/2024 1:07:16PM	4/27/2024 1:15:50PM

JOB #1 EA SRET EXPRESS ASSESSMENT

CONDITION: C/A ACTIVE DEF QUALITY CODES AND UNIT IS DERATED

CAUSE:

CORRECTION: FOLLOWED TS FOR FAULT. HAS EXCESIVE AMOUNT OF DEF BUILD UP INSIDE THE MIXING CHAMBER ON THE ONE BOX. NEEDS OUTER DPF REMOVED, DEF BUILD UP CLEANED OUT OF BOX AND THEN THE INSTALLATION OF AN AWNING KIT.AFTER REMOVING DEF BUILD UP AND INSTALLING AWNING KIT WILL NEED REGEN PERFORMED FOR VARIFICATION OF FAULTS.REMOVED TOP STEP. REMOVED SPLASH COVER. REMOVED HEAT SHIELD. REMOVED DPF'S AND TOOK TO PARTS FOR CLEANING. REMOVED ALL DEF BUILD UP FROM MIXING CHAMBER INSIDE ONE BOX. MARKED AND DRILLED HOLES FOR AWNING. INSTALLED DEF AWNING. REINSTALLED DEF DOSER WITH NEW GASKET AND NEW BOLTS. UNIT IS IN FIVE MIDDLE. WILL NEED FILTERS REINSTALLED ONCE CLEANED AND THEN VARIFICATION PERFORMED FOR FAULT CODES AND REGEN.INSTALLED DPF'S. TORQUED CLAMPS TO SPEC. INSTALLED HEAT SHIELD ONE BOX COVER AND STEP. RESET ASH ACCUMULATOR. RAN REGEN. UNIT STILL BURNING OFF DEF. ADVISED OFFICE. GOT OK FOR SECOND REGEN. RAN SECOND REGEN. NOX EFF ABOVE 90%. CODES WENT INACTIVE. CLEARED FAULTS. ROAD TESTED UNIT.

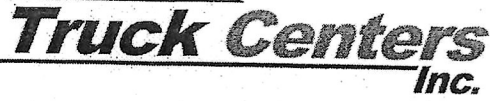
QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
	LABOR					
3	110F/DDE A0019909403		SCREW, DEF DOSING UNIT, 16MM	16011G	2.63	7.89
1	110F/DDE A0001421180		GASKET, DEF DOSING UNIT	16011G	15.00	15.00
1	110F/DDE A0004921911		DEF AWNING	16013E	128.24	128.24
10	110F/DDE N910143006001		SCREW, M6X16	16011G	0.56	5.60
10	110F/DDE A0049941645		SPRING NUT, DPF COVER	16011G	1.14	11.40
2	110F/DDE A6809950202		CLAMP, V-BAND, DPF	A07001	52.24	104.48
2	110F/DDE RA0014903492		DPF KIT HDEP 1BOX EPA10/14 W/C	17001F	776.62	1,553.24
-2	110F/DDE RA0014903492-CORE		DPF KIT HDEP 1BOX EPA10/14 W/C	CORE	560.00	-1,120.00
2	110F/DDE RA0014903492-CORE		DPF KIT HDEP 1BOX EPA10/14 W/C	CORE	560.00	1,120.00

Job# 1Sub- Labor: **2,134.00**

Parts: **1,825.85**

Other: **0.00**

Sub-Total: **3,959.85**



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 618-667-3454

TERMS
 DUE 10TH PROX
 EMAILED: YES



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	25416 ROUTE 111	
	HETTICK, IL 62649	

SHIP TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
	(618) 778-5252	

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Customer Copy: Please Process for Payment

CREDIT CARD TRANSACTIONS: Cardholders signature required on credit card transactions.

PARTS RETURN POLICY: Special order parts are not returnable. All returnable parts are subject to handling charges. All claims and returned parts must be accompanied by this invoice. Not responsible for labor on parts not installed by our shop.

DEFAULT: In the event Buyer defaults on the payment for goods or services provided hereunder, Buyer shall pay and reimburse Seller for all costs of collection, including reasonable attorney's fees incurred by Seller to collect amounts due.

LIMITATION OF WARRANTIES, DAMAGES AND DISCLAIMER: Truck Centers, Inc. ("TCI" herein) warrants performing all labor in a workmanlike manner. TCI DISCLAIMS ALL OTHER WARRANTIES ON LABOR. Some parts or materials may be warranted by their manufacturer, but TCI DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY AND FITNESS AND ALL OTHER WARRANTIES ON PARTS AND MATERIALS, EXPRESS OR IMPLIED. To the extent permitted by law, TCI's liability for breach of warranty and any other cause is limited to the cost of parts, materials and labor paid by Customer for work performed under this Repair Order. TCI shall not be liable for incidental or consequential damages e.g. loss of wages, use or profits, down-time, substitute vehicles. Customer agrees to pay for all parts and service not covered by manufacturer parts warranty. TRUCK CENTERS, INC. ACCEPTS NO RESPONSIBILITY FOR LOSS OR DAMAGE FROM ANY CAUSE TO ANY VEHICLE PARKED AT ITS FACILITY OR TO ANY CONTENTS OF ANY SUCH VEHICLE.

In order to avoid unnecessary risk of injury to Customers, TCI prohibits Customers from entering vehicle service and repair areas. Customer assumes all risk of injury if present in these areas and agrees to indemnify TCI against loss or liability if Customer incurs an injury while in a vehicle service and repair area.

CUSTOMER AUTHORIZATION AND UNDERTAKING: Customer authorizes the service work (including parts, materials, labor) described herein and use of vehicles in connection with the service work. Unless credit is arranged with TCI in advance, Payment in full is due prior to delivery of vehicle to Customer. If Customer fails to pay for service work when due (1) TCI may retain the vehicle until the amounts due are paid in full and (2) Customer shall pay TCI's cost of collection, including without limitation, reasonable attorney's fees. Customer agrees to pay a storage fee of \$50.00 per day for any vehicle not picked up within (30) days after completion of service work.

MISC CHARGES	0.00
PARTS	1,825.85
LABOR	2,134.00
SUBLET	0.00
SHOP SUPP / DIAG	256.08
TAX	0.00
TOTAL	4,215.93

Truck Centers, Inc. will impose a surcharge of 2.9% on all credit card payments (excludes debit cards).

SIGNATURE X _____

Truck Centers Inc.

Dealership Location:
2981 E. Singer Ave.
Springfield, IL 62703
(217) 525-1280

SERVICE INVOICE REPRINT
R120083611:01

DATE INVOICE
07/17/2024

Please Remit Payment to:

2280 Formosa Rd.
Troy, IL 62294
618-667-3454

TERMS
DUE 10TH PROX
EMAILED: YES

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BILL TO	SONNEBORN BROS. INC	102185
	P.O. BOX 71	
	HETTICK, IL 62649	

SHIP TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
	(618) 778-5252	

CUST PO #	FLEET NUMBER	VIN	SERVICE ADVISOR	PAYMENT CODE	
104	104	3AKJGEDV9GSGV3857	Andy Burdette	SRET	
YEAR	MAKE	MODEL	ODOMETER	START DATE	COMPLETION DATE
2016	FREIGHTLINER	CA125DC	534734	6/18/2024 8:57:24PM	6/20/2024 8:00:54AM

JOB #1 000002 SRET EXPRESS ASSESSMENT

CONDITION: EXPRESS ASSESSMENT-CEL/MIL-DERATED

CAUSE:

CORRECTION: PULLED UNIT IN AND HOOKED UNIT UP TO DL8 FOUND THAT UNIT HAD MULTIPLE ACTIVE FAULTS
 UPLOADED FAULTS TO TECHLANE AND FOLLOWED THE TROUBLESHOOTING FOR THE SCR NOX CONVERSION
 EFFICIENCY LOW CODE AND IT HAD ME CHECK FOR DIFFERENT FAULTS NONE OF WHICH WERE PRESENT IT
 THEN HAD ME CHECKED THE DEF FOR CONTAMINATION AND NONE WAS FOUND IT THEN HAD ME CHECK
 THE UREA LEVEL AND IT WAS AT 32.5 IT THEN HAD ME REMOVE THE DEF DOSER AND RUN A QUANTITY TEST
 THE TEST DOSED 125ML OF DEF IT THEN HAD ME INSPECT THE ONE BOX FOR DEF BUILD UP AND NONE WAS
 PRESENT IT THEN WANTS ME TO REINSTALL THE DEF DOSER AND RUN A REGEN MONITORING THE NOX
 EFFICIENCY WE DO NOT HAVE THE BOLTS IN STOCK FOR THE DOSER ORDERED THEM FROM TROY FOR
 TOMORROW NIGHT
 INSTALLED THE DEF DOSER AND PULLED UNIT OUT RAN REGEN AND SET THE CHART FOR THE INLET AND
 OUTLET NOX SENSORS AND THE NOX EFFICIENCY AFTER THE REGEN LOOKED OVER THE CHART AND IT DID
 NOT MATCH THE IMAGES GIVEN IN THE TROUBLESHOOTING IT THEN HAD ME UNPLUG THE THE DOSER
 AND RUN A LOW TEMP ADT TEST THE NOX SENSORS WERE WITHIN 50PPM OF EACH OTHER THROUGH OUT
 THE TEST THE NEXT STEP SAYS TO PLUG THE DOSER BACK IN AND RUN ANOTHER REGEN RAN THE REGEN
 AND IT WAS CONVERTING AT 95%-100% THE ENTIRE TIME TROUBLESHOOTING SAYS TO INSTALL A DEF
 AWNING KIT AND RUN A REGEN TO VERIFY REPAIRS UNIT ALREADY HAS A AWNING KIT WENT AND CHECKED
 AND ALL THE CODES THAT WERE PREVIOUSLY ACTIVE HAD WENT INACTIVE ON THEIR OWN CLEARED THE
 CODES PARKED UNIT LOCKED DOORS AND PUT KEYS IN PACKET

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
	LABOR					615.60
1	120F/DDE A0001421180		GASKET, DEF DOSING UNIT	102A	15.00	15.00
3	120F/DDE A0019909403		SCREW, DEF DOSING UNIT, 16MM	102B	2.63	7.89
1	120F/DDE A0005850202-1		DEF TEST STRIP-INDIVIDUAL	BC	0.50	0.50

Job# 1 Labor: 615.60 Parts: 23.39 Other: 0.00 Sub-Total: 638.99



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DUE 10TH PROX
EMAILED: YES



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	P.O. BOX 71	
	HETTICK, IL 62649	

SHIP TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
	(618) 778-5252	

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SERVICE INVOICE REPRINT

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DEFAULT: In the event Buyer defaults on the payment for goods or services provided hereunder, Buyer shall pay and reimburse Seller for all costs of collection, including reasonable attorney's fees incurred by Seller to collect amounts due.

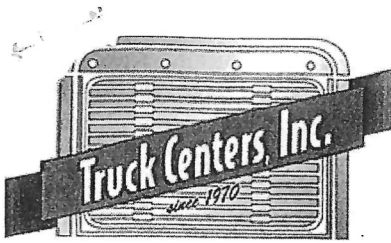
LIMITATION OF WARRANTIES, DAMAGES AND DISCLAIMER: Truck Centers, Inc. ("TCI" herein) warrants performing all labor in a workmanlike manner. TCI DISCLAIMS ALL OTHER WARRANTIES ON LABOR. Some parts or materials may be warranted by their manufacturer, but TCI DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY AND FITNESS AND ALL OTHER WARRANTIES ON PARTS AND MATERIALS, EXPRESS OR IMPLIED. To the extent permitted by law, TCI's liability for breach of warranty and any other cause is limited to the cost of parts, materials and labor paid by Customer for work performed under this Repair Order. TCI shall not be liable for incidental or consequential damages e.g. loss of wages, use or profits, down-time, substitute vehicles. Customer agrees to pay for all parts and service not covered by manufacturer parts warranty. TRUCK CENTERS, INC. ACCEPTS NO RESPONSIBILITY FOR LOSS OR DAMAGE FROM ANY CAUSE TO ANY VEHICLE PARKED AT ITS FACILITY OR TO ANY CONTENTS OF ANY SUCH VEHICLE.

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MISC CHARGES	0.00
PARTS	23.39
LABOR	615.60
SUBLET	0.00
SHOP SUPP / DIAG	73.87
TAX	0.00
TOTAL	712.86

Truck Centers, Inc. will
impose a surcharge of 2.9%
on all credit card payments
(excludes debit cards).



Truck Centers, Inc. - Troy
 2280 Formosa Rd.
 Troy, IL 62294
 (618) 667-3454 (800) 669-3454

SERVICE INVOICE REPRINT
R110174193:01

DATE INVOICE
 06/25/2024

TERMS
DUE 10TH PROX
EMAILED: YES

Please Remit Payment to:

2280 Formosa Rd.
 Troy, IL 62294
 800-669-3454



Illinois: Decatur, Effingham, Eureka, Hudson, Morton, Mt. Vernon, Springfield, Troy
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	25416 ROUTE 111	
	HETTICK, IL 62649	

SHIP TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
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CUST PO #	FLEET NUMBER	VIN	SERVICE ADVISOR	PAYMENT CODE
104	104	3AKJGEDV9GSGV3857	Jessica Becker	SRET
YEAR	MAKE	MODEL	ODOMETER	START DATE
2016	FREIGHTLINER	CA125DC	534849	6/25/2024 10:18:48AM
				COMPLETION DATE
				6/21/2024 10:07:16PM

JOB #2 EA SRET EXPRESS ASSESSMENT
CONDITION: C/A: NOX CONVERSION EFFICIENCY AND DEF QUALITY CODES. SEE ATTACHED HISTORY
CAUSE: INLET NOX SENSOR FAILED



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SHIP TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
	(618) 778-5252	

CORRECTION: ORIGINAL COMPLAINT:C/A: NOX CONVERSION EFFICIENCY AND DEF QUALITY CODES. SEE ATTACHED HISTORY
 MODIFIED COMPLAINT:
 FAULT CODES:
 NO PRIMARY FAILED COMPONENT

NOTES/DIAGNOSTIC TIMES:

- CHECKED OUT FOR UNIT KEEPS HAVING FAULT 4364/18 SCR NOX CONVERSION EFFICIENCY TOO LOW, FAULT IS NOT PRESENT AT THIS TIME, WENT THROUGH TROUBLESHOOTING BUT ALSO CHECKED DDEC REPORTS, UNIT HAS IDLE TIME LIFE TO DATE OF 46% AND AVERAGE LOAD OF 44%. VERIFIED EXTENDED IDLE AUTO ELEVATE IS ALREADY ENABLED. DISCONNECTED DEF DOSING UNIT AND PERFORMED A LOW TEMP REGEN, INLET AND OUTLET NOX SENSORS WERE WITHIN 50PPM BUT INLET WAS 20-25 PPM LOWER THEN THE OUTLET DURING THE ENTIRE ROUTINE. ADVISED TO REPLACE INLET NOX SENSOR AND RESET. HAD RAN CALL CUSTOMER AND GET APPROVAL. JF

NOTES/REPAIR TIMES:

- REMOVED INLET NOX SENSOR, SENSOR ECU WAS STILL PAINTED BLACK LIKE IT HAS NOT BEEN REPLACED. RAN TAP THROUGH SENSOR BOSS TO CLEAN THREADS. INSTALLED NEW INLET NOX SENSOR, EA PART NUMBER. PERFORMED PARKED REGEN, MONITORED. NOX CONVERSION MAINTAINED 90-95%. ROAD TESTED WITH LOADED TRAILER TO STAUNTON AND BACK. NOX CONVERSION WOULD MAINTAINED AT LEAST 80% DURING 99% TORQUE LOAD DURING ACCEL AND WOULD STEADY OUT AT AROUND 90% AT INTERSTATE SPEED. DID NOTICE DURING DECELERATION NOX OUTLET SENSOR WOULD DRIFT LOW AND GO DOWN TO -6 TO -12 PPM, ADVISED TO REPLACE SCR OUTLET NOX SENSOR. JF

TECHLIT PROCEDURES :

- spn 4364/fmi 18 - ghg14
- status: submitted
- 1 connect diagnosticlink\u00ae. - jf
- 2 turn the ignition on (key on, engine off). - jf
- 3 check for other fault codes. are there any air management system fault codes present, such as intake throttle valve (itv), intake manifold pressure (imp), intake air temperature (iat), or turbocharger? - jf
- 3b no; go to step 4 - jf
- 4 are there any exhaust gas recirculation (egr) system fault codes present? - jf
- 4b no; go to step 5 - jf
- 5 are there any fuel system fault codes present? - jf
- 5b no; go to step 6 - jf
- 6 are there any other nox sensor fau

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
	LABOR					1,212.50
1	110F/DDE EA0101532228		NOX SENSOR GEN 2.8 INLET	A08007	353.87	353.87
6	110F/PHM 8 43147		TIE STRAP-14.5IN,BLACK,NYLON,5	A16011	0.15	0.90
-1	110F/DDE EA0101532228-CORE		NOX SENSOR GEN 2.8 INLET	CORE	140.00	-140.00
1	110F/DDE EA0101532228-CORE		NOX SENSOR GEN 2.8 INLET	CORE	140.00	140.00

See last page for total



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	HETTICK, IL 62649	

SHIP TO	SONNEBORN BROS. INC	102185
	25416 ROUTE 111	
	HETTICK, IL 62649	
	(618) 778-5252	

-1	*SPOL	CUSTOMER GOOD WILL DISCOUNT		824.50	-824.50
Job# 2	Labor: 1,212.50	Parts: 354.77	Other: -824.50		Sub-Total: 742.77

JOB #4 4300000 SRET ENGINE EXHAUST SYSTEM

CONDITION: OUTLET NOX SENSOR READING IRRATIC DURING ROAD TEST
 CAUSE:
 CORRECTION: NOX OUTLET SENSOR WAS DRIFTING LOW DURING VERIFICATION FOR PREVIOUS OPERATION DURING ROAD TEST. WOULD DRIFT FROM -6 TO -12. REMOVED & REPLACED OUTLET NOX SENSOR FOR BEING DRIFTED DURING VERIFICATION. RAN TAP THROUGH SENSOR BOSS TO CLEAN THREADS, TIED UP HARNESS

QTY	ITEM	TECH NO.	DESCRIPTION	BIN 1	NET PRICE	EXTD PRICE
	LABOR					388.00
1	110F/DDE EA0101532328		NOX SENSOR GEN 2.8	A08007	401.37	401.37
-1	110F/DDE EA0101532328-CORE		NOX SENSOR GEN 2.8	CORE	140.00	-140.00
1	110F/DDE EA0101532328-CORE		NOX SENSOR GEN 2.8	CORE	140.00	140.00

Job# 4	Labor: 388.00	Parts: 401.37	Other: 0.00	Sub-Total: 789.37
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MISC CHARGES	-824.50
PARTS	756.14
LABOR	1,600.50
SUBLET	0.00
SHOP SUPP / DIAG	192.06
TAX	0.00
TOTAL	1,724.20