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EQUIPMENT MAINTENANCE & SUPPLY CO.

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306-550-3599 - Office

MAILING:

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RM of Sherwood, SK S4K 0A6
306-522-4033 - Fax

PLEASE REMIT PAYMENT TO:

EMSCO Holdings LP
1810 Industrial Drive
RM of Sherwood, SK S4K 0A6

GST/HST Registration: 830341129

Ship To: IN STORE PICKUP

006-6 MAY

Sold To: INTERNAL USE - SASKATOON

SASKATOON SK S7H 0B9

Table with invoice details: Branch (SASKATOON), Date (12/18/25), Time (18:02:04), Page (01), Account No, Phone No, Inv No, Ship Via, Purchase Order, PST No, GST/HST No, Salesperson (94).

SERVICE INVOICE

STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR CAT0336FCRKB10812
336FL

SEGMENT# 1 C INTER N/A 08/21/25 08/21/25

DIAGNOSE L/H TRAVEL MOTOR

CORRECTION:

- Ran machine around yard to verify customer complaint.
-Noticed L/H side would stick and not move.
-Checked pressures, and found the pressures are low when track is stuck.
-Found 2400PSI, 3500PSI when stuck on two separate attempts and spec is 4600PSI.
-Checked final level, and found level was high.
-Removed motor cover.
-Relieved system pressure, and removed pressure relief valves.
-Found the seals were blown out and damaged.
-Ordered parts.

50110502

LABOR

SEGMENT TOTAL==>

SEGMENT# 2 C INTER N/A 08/21/25 08/21/25

REPLACE RELIEF VALVE SEALS ON BOTH TRAVEL MOTORS

CORRECTION:

- Removed valves
-Replaced o rings
-Replaced back up rings
-Had to shrink back up rings after install on valves, due to being stretched
-Installed valves
-Installed travel motor guards
-Job complete

CONTINUED ON PAGE 02

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Table with columns: STK#/FLEET#, HRS, PIN/EIN, WARRANTY DATE, HRS. Includes items like ER145 336FL EXCAVATOR, FREIGHT, ORING, BACKUP RING, and PARTS LABOR SEGMENT TOTAL.

SEGMENT# 3 C INTER NA 08/21/25 10/23/25

INSTALL TRACKS

CORRECTION:

- Brought tracks to machine
-Untied and lined up tracks
-Lifted machine with use of boom and slid tracks under
-Lifted tracks onto sprockets
-Used machine and pushed tracks onto rollers
-With use of chain, pulled tracks together and used temporary pin to hold together until parts arrive

Table with columns: STK#/FLEET#, HRS, PIN/EIN, WARRANTY DATE, HRS. Includes items 07110060 SPROCKET and 5207951 BOLT.

50110502 PARTS LABOR SEGMENT TOTAL==>

SEGMENT# 4 C INTER NA 08/21/25 10/27/25

REPLACE SPROCKETS

CORRECTION:

CONTINUED ON PAGE 03

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STK#/FLEET# ER145 336FL EXCAVATOR 336FL
HRS PIN/EIN CAT0336FCRKB10812
WARRANTY DATE
HRS

- Cleaned up mating surfaces
-Bolted sprockets on and torqued
-Folded tracks over and inserted master pins
-Installed track pads
-Job complete

259115-652

GREASE TUBE

5

PARTS
LABOR

50110502

SEGMENT TOTAL==>

SEGMENT# 5 C INTER NA 08/21/25 10/28/25
T/S & REPAIR BOOM SQUEAK

CORRECTION:

- Determined that the boom pin and bushings were causing the squeak
-Brought machine into the shop
-Removed hydraulic lines to the stick capping and plugging openings
-Rigged crane and removed stick pin
-Placed stick off to the side
-Lowered boom down and removed boom hydraulic lines
-Removed boom pin and placed boom on jack stands
-Found that the boom bosses and machine bosses were rubbing together and caused groove to be worn in to both the boom face and machine boss face
-Cleaned up faces
-Craned the boom up and torched out the old bushings
-Ordered dry ice and allowed the new bushings to sit in the dry ice for 2 hours until thoroughly frozen
-Installed new bushings and grease seals

CONTINUED ON PAGE 04

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR CAT0336FCRKB10812
336FL

- Craned to the boom and lifted back into place and installed the boom pin with shims
-Reconnected hydraulic lines
-Lifted the boom in the air
-Rigged the crane to the stick and brought the stick over to the boom, aligned stick and boom bosses
-Installed stick pin and shims
-Reconnected hydraulic lines
-Filled unit with oil
-Cleaned up work space

ADDITIONAL DESCRIPTION:

- Greased pins
-Removed L/H boom cylinder
-Prepped upper boom pin to be welded
-Installed boom cylinder after the pin was welded
-Removed and inspected boom control valves
-Removed and inspected relief valves
-Removed and inspected pressure reducing valve
-Removed and inspected boom drift reduction valve
-Topped up oil

Table with columns for item codes (FRT, SUBLETL, 1661498-A, 2285621-A, 293105-990, 3240941-U, 9150RU4947) and descriptions (FREIGHT, MEASURE PIN/BOR, WELD SHAFT/BOOM, SEAL, BRG-SLEEVE, 10W TRQFRC BULK, USED PIN, 50/50COOLANT10L) and quantities (2, 1, 1, 2 N, 2 N, 126, 1 N, 6).

PARTS
LABOR

CONTINUED ON PAGE 05

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Branch SASKATOON		
Date 12/18/25	Time 18:02:04 (B)	Page 05
Account No	Phone No	Inv No
Ship Via	Purchase Order	
PST No	GST/HST No	
		Salesperson 94

SERVICE INVOICE

STK#/FLEET#	HRS	PIN/EIN	WARRANTY DATE	HRS
ER145	336FL EXCAVATOR	CAT0336FCRKB10812		
	336FL			
	50110502		SUBLET	
			SEGMENT TOTAL==>	

***** WORK ORDER TOTALS *****
INTERNAL CUSTOMER

PARTS
LABOR
SUBLET
SHOP SUP INT
INTERNAL TOTAL

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REGINA SK S4R 8R6

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SERVICE INVOICE

STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR CAT0336FCRKB10812
336FL

SEGMENT# 1 C 145 N/A 10/09/24 10/09/24
TROUBLESHOOT INTERMITTENT LACK OF POWER

CORRECTION:

Ran machine and verified lack of power. Plugged in ET and found two injector codes, one for injector 5 and one for injector 6. Performed fuel system verification test. Performed Cylinder cut out test, number 5 and 6 had no change. Checked continuity within the injector harness. Injectors 5 and 6 were faulty.

LABOR
12000000 50110501 SEGMENT TOTAL==>

SEGMENT# 2 C 145 NA 10/09/24 10/09/24
REPLACE CYLINDER 5 & 6 INJECTORS

CORRECTION:

Removed intercooler lines, valve cover, fuel line number five and six, quill tubes, and injectors. Installed new injectors. Reinstalled quill tubes, and fuel lines. Reinstalled valve cover and intercooler lines. Ran machine and tested, now operating at full power. Returned cores to shop.

20R5075 REMAN INJ 2 N
PARTS
LABOR
12000000 50110501 SEGMENT TOTAL==>

***** WORK ORDER TOTALS *****
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Date 10/21/24	Time 22:30:13 (B)	Page 02
Account No	Phone No	Inv No
Ship Via	Purchase Order	
PST No	GST/HST No	
		Salesperson FLD

SERVICE INVOICE

STK#/FLEET#	HRS	PIN/EIN	WARRANTY DATE	HRS
ER145	336FL EXCAVATOR	5651	CAT0336FCRKB10812	
	336FL			

INTERNAL CUSTOMER

PARTS
LABOR
SHOP SUP INT
INTERNAL TOTAL

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GRANDE PRAIRIE AB T8X 5A

Branch: GRANDE PRAIRIE *REPRINT*
Date: 11/29/23 Time: 22:32:11 (B) Page: 01
Account No, Phone No, Inv No, Ship Via, Purchase Order, PST No, GST/HST No, Salesperson: 109

SERVICE INVOICE

STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR RKB10812
336FL

SEGMENT# 1 C 159 NA 10/19/23 10/19/23
Inspect machine
Completed Incoming inspection on machine. Removed
Bottom guards to check for leaks

12000000 21510000 LABOR SEGMENT TOTAL==>

SEGMENT# 2 C 159 NA 10/19/23 10/23/23
Cut filters and oil samples

CORRECTION:

Take samples of all oils on unit and fill out SOS paper.
Remove, cut open and inspect all pleated paper oil filters
for signs of component failure.
Order replacement oil filters and install to unit.
Clean up maintenance bay and tooling.
Cut hydraulic filters and inspected. All the filter are
clean.

P551808 OIL FILTER ENG 1
0937521 HYD/TRAN FILTER 1
0951681 O RING 1 N
1232003 SEAL 1 S
1261813 FILTER
1799806 HYD. FILTER 1 S
320271102 SOS Kit 5
3276618 CAB AIR FILTER
4716955 FILTER SECONDRY 1
5I8670 HYD PILOTFILTER 1

PARTS
LABOR

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GRANDE PRAIRIE AB T8X 5A

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ER145 336FL EXCAVATOR RKB10812
336FL
12000000 21510000 SEGMENT TOTAL==>

SEGMENT# 3 C 159 NA 10/19/23 10/23/23

Accumulator lines missing

CORRECTION:

Order and replace accumulator hoses.

4194256 HOSE ASSEMBLY 2 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT# 4 C 159 NA 10/19/23 10/25/23

Repair pump drive leak

CAUSE:

Mounting o ring was rolled and missing a chunk out of it.

ADDITIONAL DESCRIPTION:

Begin to remove pump drive. /remove DPF and frame.

Remove the pump and resealed it. Reinstalled pump.

Hooked up fuel lines and reinstalled oil filter housing.

6V5043 SEAL-O-RING 1 N

9F7283 RING 1 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT# 5 C 159 NA 10/19/23 11/02/23

Active codes

CAUSE:

Found a broken sensor and plug on boom cylinder line leading to the active boom code.

CONTINUED ON PAGE 03

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR RKB10812
336FL

CORRECTION:

Replaced plug end, removed old broken sensor and installed new sensor. Checked machine for active codes all active codes are now gone.

1261767 MALE DEUTCH PIN 3 N
2304013 PLUG 1 N
3J1907 SEAL 1
3447392 PRESSURE SENSOR 1 N
4550705 CONNECTOR SEAL 1 N
9X3401 PIN CONNECTOR 3 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT# 6 C 159 NA 10/19/23 10/26/23

Hydraulic Return line is cracked

CORRECTION:

Removed pilot filter housing and lines to gain access to return line. Removed clamps from return line and removed elbow and hose. Hydraulic oil was already drained for pump drive seal. Installed new hose with new clamps. Installed pilot filters and lines.

1440367 CLAMP 2 N
2270428 HOSE 1 N
4J0527 O RING 2 N

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR RKB10812
336FL
SEGMENT# 7 C 133 NA 10/19/23 10/25/23
Burnt out lights
CORRECTION:
Replaced tool box light and right hand boom light.
13336 H3 BULB 24V 2
PARTS
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT# 8 C 159 NA 10/19/23 10/25/23
R/I Engine belts
COMPLAINT:
Both belts are cracked.
CORRECTION:
Removed belts. Found bad bearings in fan belt tensioner.
Removed tensioner and removed bearings from pulley.
3493353 BELT 1 N
4500358 BELT 1 N
6303-2RSJ BALL BEARING 2 N
PARTS
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT# 9 C 159 NA 10/19/23 10/26/23
Air shut off is not working
CAUSE:
air shut off linkage is not working proper.

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CORRECTION:

Remove old air shut off and installed new air shut off valve, with new hoses and clamps.

VBC-3.00SPG INSTABEAD 2
XK-3000-24VSWINL POS AIR 3.0 1

PARTS
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SEGMENT#10 C 159 NA 10/19/23 10/25/23

Repair oil leak in swivel

CORRECTION:

Found gasket leaking on the bottom of rotax bearing. Tightened loose bolts and cleaned the area.

ADDITIONAL DESCRIPTION:

Checked swivel bearing for oil leak.

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SEGMENT#11 C 159 NA 10/19/23 11/07/23

T/S stick cylinder shaking violently

CAUSE:

While testing i found pilot load control for stick cylinder pressure was 100psi low

CORRECTION:

Adjusted pilot load control pressure up 105psi and tested cylinder shake. Cylinder shake is gone. Tested the other 336 in yard and both machines are now comparable.

ADDITIONAL DESCRIPTION:

Tested the cylinder shake issue

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336FL
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#12 C 159 NA 10/19/23 11/07/23
Load control valve
COMPLAINT:
Found pilot load control for stick cylinder was low
CORRECTION:
Adjusted pilot load control up 105psi
ADDITIONAL DESCRIPTION:
Adjusted load control valve

LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#13 C 159 NA 10/19/23 10/26/23
Wash Unit
CORRECTION:
Pulled unit into wash bay to be washed

LABOR
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SEGMENT#14 C 159 NA 10/19/23 10/27/23
R/I stump pans

LABOR
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SEGMENT#15 C 159 NA 10/19/23 11/02/23
Hydraulic drive motor line
COMPLAINT:
Left side track motor hose rubbed into cord from bottom

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SERVICE INVOICE

STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR RKB10812
336FL

swivel guard that is missing.

CORRECTION:

Replaced left hand travel motor hose

BULKAW32 AW32 HYD OIL 15
2391892 HOSE 1 N
7002525 DEF JUG 1

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#17 C 159 NA 10/19/23 10/27/23

Cut off ice lugs
Cut ice lugs off both right and left track

LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#18 C 159 NA 10/19/23 11/02/23

R/I Damaged bar in radiator compartment
Removed old damaged door. Removed new door from crate.
Installed door and adjusted so it closes proper. Put old
door back into crate.

4503418 SUPPORT 1 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#19 C 159 NA 10/19/23 10/27/23

R/I damaged pump and radiator compartment door
Removed damaged pump compartment door. Removed new door
from crate. And installed on machine. Adjusted door so it

CONTINUED ON PAGE 08

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Table with columns: STK#/FLEET#, HRS, PIN/EIN, WARRANTY DATE, HRS. Includes items 3301305 DOOR, 3301306 DOOR GP, and segment totals.

Table for Segment #20: C 159 NA, 10/19/23 11/02/23. Description: R/I damaged fuel tank and hydraulic tank gaurd. Includes item 4452222 PANEL and segment total.

Table for Segment #21: C 159 NA, 10/19/23 11/03/23. Description: Install missing mirror. Includes item 3949460-A MIRROR and segment total.

Table for Segment #22: C 159 NA, 10/19/23 11/01/23. Description: Install missing latch bar on cab door. Includes complaint and correction notes.

CONTINUED ON PAGE 09

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR RKB10812

Installed missing u bracket on door. Then found cable was un hooked inside cab. took plastic panels off inside cab. Hooked cable onto linkage. Tested and installed plastic panels.

3B4505 LOCKWASHER 2 N
3346534 HOOK 1 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#23 C 159 NA 10/19/23 11/01/23

R/I damaged and bent LH carrier rollers

CAUSE:

Both left side carrier roller shafts are bent

CORRECTION:

Replaced both left side carrier rollers.

3004545 ROLLER GP-CA 2

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#24 C 159 NA 10/19/23 11/01/23

R/I cowbelled rollers

CORRECTION:

Put machine on stands. Loosen both right and left tracks. Removed number 1 and 9 rollers on left side of machine. Cleaned roller mounting surfaces. Installed new rollers and torqued bolts to 590 lbs. Removed number 1 roller on right side. Cleaned matting surfaces and installed new roller and new hardware. Torqued

CONTINUED ON PAGE 10

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR 5488 RKB10812
336FL

roller bolts.
Tighten both right and left tracks.
Put tires back under tracks and removed machine from stands.

4471723 BOLT 12 N
4512177 WASHER 12 N
4878695 ROLLER 3 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#25 C 169 NA 10/19/23 11/01/23

R/I bent pads
CORRECTION:
Removed right side bent track pads.

3118150 NUT 12 N
3182558 TRACK BOLT 12 N
6Y8180 SHOE TRACK 336 3 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#26 C 159 NA 10/19/23 11/01/23

R/I damaged front bumper
CORRECTION:
Removed front bumper and removed wiper motor. Installed
wiper motor onto new bumper. Installed new bumper and wiper
motor.

3835720 BUMPER 1 N

CONTINUED ON PAGE 11

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ER145 336FL EXCAVATOR RKB10812
336FL

12000000 21510000 PARTS LABOR SEGMENT TOTAL==>

SEGMENT#27 C 159 NA 10/19/23 10/26/23

Front window gaurd will not latch

CORRECTION:

Removed latches on cab. Installed new latches. Installed new strikers on screen. Adjusted strikers. front screen closes proper and latches.

2034457 GROMMET 2 N
3573956 STRIKER 2 N
4E1487 KNOB 2 N
8Y5745 LATCH 2 N

12000000 21510000 PARTS LABOR SEGMENT TOTAL==>

SEGMENT#28 C 159 NA 10/19/23 11/20/23

Install seat cover

350106LOGO SEAT COVER HIGH 1

12000000 21510000 PARTS LABOR SEGMENT TOTAL==>

SEGMENT#29 C 169 NA 10/19/23 11/06/23

Repair deep cuts in counter weight

CORRECTION:

Sanded out the counter weight, used body filler, Bondo, to fill in the large cut in counter weight. Sanded several

CONTINUED ON PAGE 12

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SERVICE INVOICE

STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR RKB10812
336FL
times. Taped off black, painted black portion. Taped off yellow portion and painted.
262C FILLER 1
PARTS
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#30 C 159 NA 10/19/23 11/03/23
Swing drive compartment full of dirt
CORRECTION:
Used pry bar and broke mud up in swivel compartment and clean out.
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#31 C 169 NA 10/19/23 11/01/23
Swing greaselines are damaged
CORRECTION:
Removed what was left of lines. Extracted broken fittings from all 4 holes. Installed new fittings. Installed new grease lines, tightened insulated clamps and greased bearing.
179304 CERAN XM220 1
1994523 TUBE AS 1 N
1994524 TUBE AS 1 N
4N9170 CLIP 4 N
5K9243 ELBOW BRASS 4 N
PARTS
LABOR
12000000 21510000 SEGMENT TOTAL==>

CONTINUED ON PAGE 13

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Account No, Phone No, Inv No, Ship Via, Purchase Order, PST No, GST/HST No, Salesperson: 109

SERVICE INVOICE

STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR 1 RKB10812
336FL

SEGMENT#32 C 169 NA 10/19/23 11/01/23

Sump pan missing

CORRECTION:

Installed new stump pans torqued to spec.

1348888 PLATE 1 N
1348891 PLATE 1 N
5P1076 WASHER 6 N
8C8992 HEX HEAD BOLT 6 N

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#33 C 169 NA 10/19/23 11/01/23

Final drive oil

CORRECTION:

Positioned final drain and fill holes. Drained both final drives. Refilled with torque force to full level. Cleaned face and painted service date on face.

BULKALLSEASON ALL SEASON TRNS 20

PARTS
LABOR

12000000 21510000 SEGMENT TOTAL==>

SEGMENT#34 C 159 NA 10/19/23 11/01/23

Fuel tank strainer is missing

Installed missing fuel strainer in tank

3039933 FUEL TANK STRAI 1 N

PARTS
LABOR

CONTINUED ON PAGE 14

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS
ER145 336FL EXCAVATOR 1 RKB10812
336FL
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#35 C 159 NA 10/19/23 11/08/23
Shim bucket linkage
15-204 WASHER FLUID-40 1
179304 CERAN XM220 5
PARTS
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#36 C 159 NA 10/19/23 11/03/23
R/I damaged coupler wedge
FRT FREIGHT 1
545-069-0002 SHIM 10 N
723-005-0138 WEDGE 1 N
PARTS
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#37 C 159 NA 10/19/23 10/25/23
R/I damaged decals
CORRECTION:
Removed all damaged decals and installed new decals.
FRT FREIGHT 1
336F FILM KIT 336FL DECAL KIT 1 N
PARTS
LABOR
12000000 21510000 SEGMENT TOTAL==>

SEGMENT#38 C 159 NA 10/19/23 11/20/23

CONTINUED ON PAGE 15

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11/29/23	22:32:11 (B)	15
Account No	Phone No	Inv No
Ship Via	Purchase Order	
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	Salesperson	
	109	

SERVICE INVOICE

STK#/FLEET#	HRS	PIN/EIN	WARRANTY DATE	HRS
ER145	336FL EXCAVATOR	RKB10812		
	336FL			
Ice lugs				
Weld ice lugs on excavator in a 2-1 pattern every pad.				
K4	ICE LUG 4"			150
SUBLETL	WELD ICE LUGS			1
			PARTS	
			SUBLET	
12000000	21510000		SEGMENT TOTAL==>	

***** WORK ORDER TOTALS *****
INTERNAL CUSTOMER

PARTS
LABOR
SUBLET
SHOP SUP INT
INTERNAL TOTAL

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