



Brandt Tractor Ltd
7301 102nd St
Clamont, AB
T8X 5A7
(780)532-3414

Service
Invoice



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K01-55

INVOICE DATE: 19980501 BRANCH: 01 INVOICE NO: 1700746

SOLD TO: BLUE HILLS HARVESTING
BOX 957
EM STAT & INV
LACRETE, AB T0H 2H0

SALE PRICE: 1700746
CHARGE: 1700746
CUSTOMER NO: 79283506

MAKE: JD MODEL: 780-841-4635 SERIAL NO: 1700746 TOUP NO: 01 METER: 0586235 AUTHORIZED BY:

JD 21540 1FF21540KHDP212019 E-05 14451 ROB/NATE

DESCRIPTION	AMOUNT
CONFIGURE MACHINE FOR GRAPPLE OPERATION	
COMPLAINT: GRAPPLE NOT WORKING	
CAUSE: GRAPPLE HYDRAULIC FLOW GOING OUT INCORRECT PORT	
CORRECTION: COMBO SWITCH IS MARKED AS INSTALLED, AND SETTING FOR VIN GRAPPLE. ATTEMPTED USING COMBO SWITCH, BUT ITS NOT WORKING. PROGRAMED CCM AND ACM, COMBO SWITCH NOW WORKS. GRAPPLE STILL NOT WORKING. WHEN USING ROLLER SWITCHES PUMP UP STROKES, BUT NOTHING AT GRAPPLE END. CHECKED ELECTRICAL CONNECTIONS AT GRAPPLE END - PROPER SIGNALS ARE BEING SENT TO THE CORRECT SOLENOIDS. EVENTUALLY FOUND THAT AUX FOR THUMB OPEN IS BEING FED HYDRAULIC FLOW, AND CUSTOMER HAS PLUMBED IT FOR THUMB CLOSED. CUSTOMER IS CONCERNED WITH IT THAT WAY, AS THE GRAPPLE WANTS TO TAKE FLOW FROM THE RIGHT SIDE OF THE MACHINE BUT WE'D HAVE TO PLUMB IT INTO THE LEFT SIDE. IF WE SWITCH HOSES OR ELECTRICAL	
PART DUE INTEREST: 1.12% PER MONTH (18% ANNUAL) MINIMUM CHARGE OF \$1.00	
DATE: 19980501	
DESCRIPTION	AMOUNT
TOTAL PARTS	
TOTAL LABOR	
MISC. CHARGES	
SALES TAX	
PLEASE PAY THIS TOTAL	

CUSTOMER COPY

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DESCRIPTION	AMOUNT
CONNECTIONS TO GET PROPER FLOW DIRECTION, THUMB WILL BE THE OPPOSITE. NO OPTION FOR CHANGED THE BUTTONS. FOR NOW, THE AUX SOLENOID CONNECTIONS ARE SWITCHED TO GET THE GRAPPLE WORKING. CUSTOMER IS CONCERNED THAT IF LEFT AS IS, THE THUMB CONTROLS ARE BACKWARDS. PULLING THE ROLLER DOWN, WILL MAKE THE THUMB GO UP AND PUSHING THE ROLLER UP WILL MAKE THE THUMB GO DOWN. THERE DOESN'T SEEM TO BE AN OPTION TO CHANGE THE BUTTONS IN THE MENU OR CALIBRATION OPTIONS IN SERVICE ADVISOR OR MPDR. WE COULD ROTATE THE THUMB CYLINDER BARREL 180 DEGREES, AS BOTH PORTS ARE LOCATED AT THE BARREL END. A NEW ORANGE FITTING WOULD NEED TO BE DRILLED AND TAPPED. CUSTOMER COULD ROUTE OIL FROM THE LEFT SIDE, BUT THE GRAPPLE IS SET UP TO RECEIVE FLOW FROM THE RIGHT SIDE.	
* LABOR *	1,280.00
SERVICE ACCESSORIES	115.20
ENVIRONMENTAL FEE	12.80
>>> REM. ON PRT	100 LAB 1,088.00 MSC 128.00 TOTAL 1,408.00
* GST/HST *	70.40
PART DUE INTEREST: 1.12% PER MONTH (18% ANNUAL) MINIMUM CHARGE OF \$1.00	
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DESCRIPTION	AMOUNT
TRAVEL FROM HIGH LEVEL TO LACRETE/LACRETE TO PEACE RIVER	
CORRECTION: TRAVEL FROM HIGH LEVEL TO LA CRETE. RETURN TRIP FROM LA CRETE TO HIGH LEVEL, AND THEN TO GRIMSHAW/PEACE RIVER 525 KM TOTAL	
* LABOR *	16.95
ENVIRONMENTAL FEE	14.95
>>> REM. ON PRT	100 LAB 1,088.00 MSC 16.95 TOTAL 1,111.95
* GST/HST *	55.47
* TOTAL GST/HST *	111.95
PART DUE INTEREST: 1.12% PER MONTH (18% ANNUAL) MINIMUM CHARGE OF \$1.00	
DATE: 19980501	
DESCRIPTION	AMOUNT
TOTAL PARTS	0.00
TOTAL LABOR	16.95
MISC. CHARGES	14.95
SALES TAX	0.00
PLEASE PAY THIS TOTAL	1,111.95

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