



ORDER NO SWA734984	DATE 05-13-2025
PAYMENT TERMS CASH ON DELIVERY	

ALTA MATERIAL HANDLING
28855 SMITH ROAD
ROMULUS MI 48174-2242

CUSTOMER NO BP0140105
CUSTOMER PO pending credit card payment

SERVICE INVOICE
(PROFORMA)

INVOICE TO:

S7INC
7650 MELVILLE ST
DETROIT MI 48209-2968

WORK SITE:

S7INC
7650 MELVILLE ST
DETROIT MI 48209-2968

SALESPERSON: TOM MCNUTT

SERVICE ORDER: SWA734984

CONTACT:

REF:

LINDE MODEL: C4531TL **S/N:** E1X357U00114 **CUST UNIT:** **UNIT:** EQ0387016:

SEGMENT: 10 **BRAKE SYSTEM** **CUSTOMER - FIELD**

SEGMENT TYPE: Chargeable

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WORK SITE: S7INC 7650 MELVILLE ST DETROIT MI 48209-2968

LOCATION:

WORK DESCRIPTION:

FURTHER DIAGNOSIS ON PARKING BRAKE ISSUES

CORRECTION:

TRAVELED TO UNIT. INSPECTED ISSUES WITH SPREADER NOT WORKING;20/40 FUNCTION DOES NOT EXTEND OR RETRACT. NOTICED RIGHT SIDE OF SPREADER NOT OPERATING PROXIMITY SWITCHES PROPERLY - LED LIGHTS NOT WORKING FOR TWIST LOCKS. TOOK APART FRONT TWIST LOCK ASSEMBLIES AND EXTENDED ROD CRANK FOR FRONT AND REAR TWIST LOCKS ON RIGHT SIDE. HAD TO ADJUST TWIST LOCKS AND CRANKS ON RIGHT SIDE AND INSTALLED NEW PROXIMITY SENSOR THAT WAS MISSING ON SPREADER. AT THIS TIME EVERYTHING ON THE SPREADER WAS WORKING CORRECTLY 20/40 EXTENDED AND RETRACTED, SIDE SHIFT, ROTATE, AND POWER SLOPE WORKED. PERFORMED BOOM CALIBRATION THROUGH ILM BOARD DISPLAY INSIDE OF CAB. BOOM FUNCTION INTERMITTENTLY STOPPED WORKING CAUSING NO RETRACT ON BOOM SECTION WITH OR WITHOUT THE OVERRIDE FUNCTION BEING USED. REPLACED SOLENOID VALVE FOR PARKING BRAKE ON COMBINATION MANIFOLD. TESTED PRESSURES FOR PARKING BRAKE, AND VOLTAGE SIGNALS WERE GOOD TO SOLENOID. UNIT STARTED MOVING AND WOULD DRIVE FORWARD AND REVERSE. UNIT THEN LOST THROTTLE AND WENT INTO LIMP MODE. UNIT WILL TRAVEL VERY SLOWLY AND DISENGAGES PARKING BRAKE WHEN THROTTLE IS APPLIED, BUT BOOM EXTEND/RETRACT FUNCTION IS CURRENTLY DISABLED, AND THROTTLE FUNCTION IS INTERMITTENT. THESE TWO ISSUES ARE CAUSING IT TO STAY IN LIMP MODE BUT ALL SPREADER FUNCTIONS ARE OPERATING AND UNIT WILL TRAVEL FORWARD/REVERSE SLOWLY.

ITEM / Lot ID	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	SOLENOID ASSEMBLY	1	0	478.15		478.15
	SWITCH	1	0	164.07		164.07
	MISC - SERVICE SUPPLIES PART	1.00		350.00		350.00
	FUEL SURCHARGE	1.00		7.95		7.95
	MISC - SHIPPING AND HANDLING	1.00		25.00		25.00
LABOR						3,971.51

SEGMENT 10 TOTAL:

642.22 PARTS **3,971.51 LABOR** **382.95 MISC.** **59.53 TAX** **5,056.21 TOTAL**



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SALES TAX	59.53
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