

1099

27-19

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SERVICE INVOICE

Invoice Number 50489411	Invoice Date 28-OCT-19
Request No. 3707706	Request Date 21-AUG-19
Terms NET 30	Sale Order No. 5338653

Customer No. 41135		Site No. 103823		Site No. 238569	
Customer Order No.		Assembly No. 037-0072815	Customer Vehicle No.	Contact Name I	
In Service Date 22-JAN-02		Device Serial No. 0601CT0368	Model A77-TE93	1 I L	Odometer 43280
VIN 1FVHBXAK72HJ26547		Garage	Lic. Plate No.	Driver	Eng. Meter Reading 7823
PTO Hours 7823		Credit/Fleet Card Information		Crew No.	VMS Note UP Note
Quantity	UOM	Part Number	Description	Price	Extended Price Charge
4	EA	027434208-	ADAPTER;TEE;-4 JIC;-4 JIC FEMALE SWIVEL;-4 JIC;;;		
1	EA	035210091-	HYDRAULIC VALVE;SOLENOID;;1 SPOOL;;4 GPM;;;		
1	EA	035260005-	HYDRAULIC VALVE;PILOT OPERATED;;1 SPOOL;;BLOCKI		
1	EA	035290075-	HYDRAULIC VALVE;TOOL VALVE		
2	EA	035620110-	QUICK DISCONNECT;NIPPLE;.13 MALE BODY;-4 JIC FEM		
1	EA	035250102-	HYDRAULIC VALVE;FLOW CONTROL;DUAL;;;WITH MANI		
1	EA	035200228-	HYDRAULIC VALVE;MANUAL;;2 SPOOLS		
1	EA	035210119-	HYDRAULIC VALVE;SOLENOID;PILOT OPERATED;8 SPOO		
1	EA	035219020-	VALVE COMPONENT;PULSAR;SOLENOID;CARTRIDGE;;PI		
2	EA	035219061-	HYDRAULIC VALVE;CARTRIDGE;PILOT OPERATED;170 PS		
1	EA	035290170-	HYDRAULIC COMPONENT;ORIFICE PLUG WITH .029		
1	EA	035300011-	HYDRAULIC PRESSURE FILTER;SCREEN;;60 X 60 MESH;-4		
1	EA	035290199-	HYDRAULIC VALVE;SOLENOID;INLET PART		
51	HRS	970774445-	Labor;SVC;SMW;MO/KS/NE/IA		

State Tax

County Tax

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Total Tax

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\$14,936.19

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Terms NET 30	Sale Order No. 5338653

Customer No. 41135			Site No. 103823		Site No. 238569			
Customer Order No.		Assembly No. 037-0072815	Customer Vehicle No.		Contact Name		Contact Phone No.	
In Service Date 22-JAN-02		Device Serial No. 0601CT0368	Model A77-TE93		Technician		Odometer 43280	
VIN 1FVHBXAK72HJ26547		Garage	Lic. Plate No.		Driver		Eng. Meter Reading 7823	
PTO Hours 7823		Credit/Fleet Card Information			Crew No.	VMS Note		UP Note
Quantity	UOM	Part Number	Description			Price	Extended Price	Charge
		970000619-	FREIGHT					
		970032952-	Charge;SVC;EDF/SHOP SUPPLIES					

Call Reason:

LOWER BOOM RAISES ON ITS OWN

Correction:

CHECK OUT LOWER BOOM RAISES ON ITS OWN. CHECK LOWER CONTROLLER FOUND NO POWER COMING OUT OF TERMINALS WHEN CONTROLLER IS IN NEUTRAL POSITION. REMOVE TURRET COVERS AND CHECK VALVE FOUND PRESSURE COMING INTO LOWER CONTROL VALVE SHIFTING SPOOL. REMOVE BOOM COVERS AND CHECK CIRCUIT FOUND PULSAR BAD. ORDER NEW PULSAR FOR UNIT.

INSTALL NEW PULSAR IN PLACE. TEST OPERATION FOUND BOOM NOT RAISING ON ITS OWN NOW. FOUND OTHER ISSUES OF LOWER CONTROLS OPERATION. FOUND SOME FUNCTIONS NOT WORKING. CHECK FOR POWER AT PULSAR BLOCK WHEN OPERATING LOWER CONTROLS FOUND VOLTAGES AT PULSARS. TROUBLESHOOT OTHER ISSUES WITH TOOLS, THROTTLE, HIGH PILOT PRESSURES AND PRESSURE ISSUES THRU OUT SYSTEM.

CALLED INTO ALTEC TECH SUPPORT AND TROUBLESHOOT BOOM ISSUES, HAD SEVERAL DAYS OF TROUBLESHOOTING REPLACING PARTS WITH ISSUES AND RE-TROUBLESHOOTING UNIT FOR OTHER ISSUES. FOUND SEVERAL ITEMS WITH ISSUES AND PLUMBING ISSUES WITH UNIT. MISSING PARTS ALSO. BYPASS SEVERAL ITEMS DURING TROUBLESHOOTING TO ISOLATE PROBLEMS PER TECH SUPPORT. MADE ALL REPAIRS PER TECH SUPPORT TO GET UNIT TO OPERATING TO A BETTER LEVEL. REPLACED HARDWARE PER TECH SUPPORT. MORE EXTENSIVE NOTES IN TECH SUPPORT SR. AT THE END FOUND TP LINE FROM TOOL BLOCK TO UPPER CONTROLS HAS RESTRICTION, KINK OR SOMETHING AND WILL NEED TO BE REPLACED. REINSTALL ALL COVERS IN PLACE. CUSTOMER WILL WASH UNIT. FOUND STILL HAVING INTERMITTENT PROBLEMS WITH SLIP RING ON UNIT AND WILL PROBABLY NEED REPLACED SOON.

REPLACED BLOCKING VALVES, INLET VALVE, TOOL VALVE BLOCK. PULSAR BLOCK, FLOW CONTROL, 2 SPOOL VALVE FOR TOOL AT UPPER CONTROLS SEIZED UP, SOLENOID VALVE AND ORIFICE INSERT.

DURING REPAIRS ALSO FOUND PLATFORM BROKEN THRU TOP RIB AND SIDES. INFORMED CUSTOMER THAT REPLACEMENT OR REPAIR SHOULD BE DONE BEFORE BEING USED. CUSTOMER WILL MAKE REPAIRS ON PLATFORM.

FOUND ALL CSN'S HAD BEEN DONE ON PRIOR WORK ORDER #1593710 AND NOT PUT IN SYSTEM. CSN 208, CSN 210 CSN 234. RETURN UNIT TO SERVICE.

State Tax

County Tax

City Tax

Total Tax

Total Invoice

\$14,936.19

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SERVICE INVOICE

Invoice Number 50489745	Invoice Date 28-OCT-19
Request No. 3774616	Request Date 17-OCT-19
Terms NET 30	Sale Order No. 5338468

Customer No. 41135		Site No. 103823		Site No. 238569	
Customer Order No.		Assembly No. 037-0072815		Customer Vehicle No.	
In Service Date 22-JAN-02		Device Serial No. 0601CT0368		Model A77-TE93	
VIN 1FVHBXAK72HJ26547		Garage		Lic. Plate No.	
PTO Hours 7823		Credit/Fleet Card Information		Crew No.	
Quantity		UOM		Price	
2		EA		END FITTING;37 DEG. STRAIGHT;-6 FEMALE SWIVEL;,-5	
2.5		HRS		Labor;SVC;SMW;MO/KS/NE/IA	
		970032952-		Charge;SVC;EDF/SHOP SUPPLIES	

Call Reason:

BLOWN HOSE IN ELBOW

Correction:

CHECK OUT BLOWN HOSE IN ELBOW. SET UP UNIT AND REMOVE ELBOW COVER. OPERATE BOOM TO LOCATE LEAK FOUND HOSE CUT AT CLAMP IN ELBOW. REMOVE CLAMPS FROM HOSE BUNDLE. CUT OUT BAD SECTION OF HOSE AND PULL EXCESS FROM BUNDLE. CRIMP ON END FITTING ON HOSE ASSEMBLY AND SPLICE HOSE ASSEMBLY BACK TOGETHER. CONNECT HOSE ASSEMBLY AND TEST FOR LEAKS NO LEAKS FOUND OPERATING PER MANUAL. REINSTALL HOSE CLAMP ON BUNDLE AND SECURE HOSE BUNDLES IN PLACE. STOW UNIT. CUSTOMER WILL WASH OFF OIL MESS AND FILL RESERVOIR TO FULL LEVEL. RETURN UNIT TO SERVICE.

State Tax

County Tax

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\$329.46