

ORDER:

1.00	CAS	87574330	AC ASS'Y HOSE	
1.00	CAS	87441006	TUBE	
1.00	CAS	87436120	HOSE, ASSY	
1.00	MIS	590-3080	EVAPORATOR	
1.00	CAS	87563692	CONDENSER	
1.00	CAS	86625515	SWITCH	V5J2
1.00	NAP	209491	A/C TAPE	
1.00	CAS	392269A2	SWITCH, SEAT BAR	V5I4
1.00	CAS	87436117	HOSE, ASSY	
1.00		FREIGHT	FREIGHT	
1.00		FREIGHT	FREIGHT	
-1.00	CAS	87026034C	CORE AIR COND. COMPRESSOR	CORE
2.00	CAS	B134A12	PKG-FLUID	SHOP

Total Parts

Tax  
Total WO

\$7,385.35

WO#: 2583456 SV RIGHT REAR TRACK ROLLER REPLAC

**Comments:**

Complaint: Right rear track roller failed

Cause: Failed roller

Correction: Removed the damaged roller and installed a new one. I adjusted the right track.

**Labor:**

Description  
Labor  
Shop Supplies

Amount

Total Labor

**Parts:**

Qty	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	47378992	TRACK ROLLER	U4		

Total Parts

Tax  
Total WO

\$829.96

WO#: 2583459 SV WILL NOT MOVE

**Comments:**

Complaint: Machine won't move

Cause: Electrical short

Correction: I found that the both wires going to the enable valve have a short to ground. Neither wiring schematics match this machine. I tested all the relays and the fuses, they tested good. What I believe is the interlock relay 3 of the terminals have continuity with both wires on the enable wire connector wires. Both should only have 1 wire that has continuity with ground. I found that the left hand joystick float switch had a short in it which caused the 2 wires going to the enable solenoid to have continuity together. I fixed that and the machine still wouldn't move. I then found that the cab switch wasn't being activated all the way. I adjusted it and now the machine moves.

**Labor:**

Description

Amount

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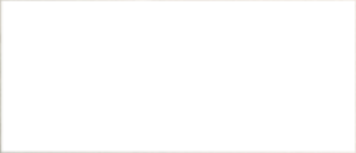




SERVICE ORDER: 1444285 CL

Closed Date: 10/17/2022

Ship To:



Sold To: 271  
TITAN MACHINERY-CENTER POINT  
4250 GRAIN LN  
CENTER POINT IA 52213-9504

Invoice #:		Make:	CASE
Sold by:		Model:	450CTL
Cust PO:		Serial #:	N7M450519
Cust Fleet#:		Tag:	3104890
Job Desc:		Hours:	2307.0

Service Order Summary

WO #			
2582992	SV	A/C INOP	\$7,385.35
2583456	SV	RIGHT REAR TRACK ROLLER REPLAC	\$829.96
2583459	SV	WILL NOT MOVE	\$239.20



ACE ORDER:

FOR: 2682992 SV A/C INOP

Comments:  
Complain: No a/c

Cause: Corroded connector, failed heater control valve, failed ac compressor, failed evaporator

Correction: I found no air blowing out of the vents. I removed the cab filter and tested it again. There still wasn't any air blowing out of the vents. I found that the duct going from the fan to the vents wasn't installed. I installed it. I then tested the a/c. The a/c clutch would turn on. I checked the temperature control potentiometer and it varied in resistance as it should. The a/c clutch then stopped working. I checked and cleaned all the fuses. I checked the blower motor connector and found that the connector was corroded. I cleaned it and then the blower motor and clutch worked as they should. I inspected the heater valve. It has both a manual and electric valve. I checked the signal that goes to the heater valve and it was correct. I recovered the system and I got .86 pounds of R134A which is low. I checked the heater control valve and I found that it was bad. I pulled a 30 min vacuum and 15 min leak down test and the machine passed. I replaced the heater valve. I charged the machine with 2 pounds of R134A. I then tested the a/c system. The machine was still blowing out warm air. Even with the manual water valve in the off position. I checked the pressures and the high side would only go up to 125 psi and the low side was -15 psi. I removed the expansion valve and I found debris in it. The a/c system will need to be replaced. I looked up parts. I removed the a/c compressor and installed a new one. I cut part of the evaporator tray out and then removed the evaporator. I tried putting the new evaporator in but it wouldn't fit. I had to remove the entire HVAC box. I then modified the HVAC box so the new evaporator would fit. The new expansion valve doesn't have mounting bolts and once it is mounted to the evaporator it pushes the evaporator up so it hits a mount for the upper cover. I took the evaporator to Bob's radiator and he is going to shorten the inlet and outlet 1/2 inch. I installed the evaporator and expansion valve to verify fitment. I then had to remove some material from the hvac box, so the expansion valve would fit correctly. I then made L brackets to hold the evaporator in place. I put the hvac box and rear window back in the machine. I still have to tape the gaps in between the hvac box and the cab. I removed all the a/c lines and replaced all of them but the 2 going to the expansion valve. I installed the last hose and secured all the hoses. I then ran a vacuum and leak down test on it. It failed the leak down test. I charged the system with nitrogen and found that one of the lines is leaking where the charge port attaches to the line. I installed the new line. I then nitrogen tested the system, ran a 45 min vacuum, ran a leak down test, and then charged the system with 2 pounds of R134A. I tested the a/c system and it had a temperature drop of 32 degrees. I tried moving the machine and it won't move. As soon as you shut the park brake off it comes right back on. I found that the door switch didn't always work. I installed a new door switch. The machine still doesn't want to move. I verified that everything works as it should.

#### Labor:

Description

Amount

Total Labor

#### Parts:

Qty	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	87691240	CHARCOAL AIR FILTER	R404		
2.00	CAS	86625073	NUT	V6F4		
1.00	CAS	87441837	VALVE, HEATER HOSE BALL			
1.00	CAS	87520839	VALVE/A	H106		
1.00	CAS	73344409	ANTIFREEZE	DISPLAY/U2/CS		
1.00	CAS	86639749	VALVE			
1.00	CAS	87026034R	REMAN AIR COND. COMPRESSOR			
1.00	CAS	86625481	RECEIVER	R504		
1.00	CAS	87450536	TUBE, DRAIN			
1.00	CAS	87438121	HOSE, ASSY			
1.00	CAS	87436118	HOSE, ASSY			

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CE ORDER:

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**Labor:**

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