

Address#: WARGEH Name: GEHL WARRANTY WORK ORDER WO47222 Closed: 7/09/20 By: JARON PO: EVANS R190 A/C
Serial#: GHLOR190B0D175231 Make: GEHL Model: R190 Year: Hourmeter: 457.0 Warranty:00

Tax	D	Qty	Description	*	Price	Amount	I/W
			A/C stopped working				
			SVC.MISC.PARTS				
NA		1	MAX 30 FUSE		5.30	5.30	
			SHOP LABOR				
NA		1.44	Date 7/07/20 Employee JARON		140.00	201.60	
NA		.95	Date 7/09/20 Employee JARON		140.00	133.00	
			** Total SHOP LABOR			334.60	Total Hours: 2.39
			UPS/FREIGHT				
NA			SHIPPING			16.25	
			WARR PARTS SERV				
NA		1	GEH 243075 FAN/CONDENSE		293.96	293.96	

failure date:7/7/20
completion date:07/09/2020
causal p/n:243075

Inspected machine and verified issue. Hooked up gauges and found it not to be cycling. System was charged. Tested power to compressor and there was none. Looked at fuses and found 30 amp a/c fuse to be blown. Installed testing fuse and turned on a/c. Fuse blew instantly. I did find that the condensor fan was not spinning. Tried spinning it and it was locked up. Went back to shop and ordered condensor fan. Went back to customers and installed condensor fan along with new fuse. Tested a/c and worked great.

** Subtotal 650.11
** Total \$650.11

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Address#:	WARGEH	Name:	GEHL WARRANTY	WORK ORDER	W048137	Closed:	5/27/21	By:	MATT	PO:	EVANS R190 NO AC
Serial#:	GHLOR190B0D175231	Make:	GEHL	Model:	R190	Year:		Hourmeter:	1601.0	Warranty:	00

Tax	D	Qty	Description	*	Price	Amount	I/W
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A/C does not cool

SHOP LABOR

NA	1.42	Date	5/17/21	Employee	MATT	140.00	198.80
NA	1.00	Date	5/26/21	Employee	DYLANP	140.00	140.00

*** Total SHOP LABOR 338.80 Total Hours: 2.42

UPS/FREIGHT

NA		SHIPPING				12.73
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WARR PARTS SERV

NA	1	GEH 138714	SWITCH/BINAR	48.35	48.35
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failure date:5/17/21

completion date:

causal p/n:138714

Inspected unit, found compressor clutch not kicking in. Tested power to clutch, no power present. Noticed condensor fan was running, indicating power to A/C system. Tested binary switch, found switch open. Removed cab interior panel, hooked up gauge set, found 90 psi standing system pressure, ambient temp is about 80 deg, indicating system is charged. Bypassed binary switch, system kicked on and ran. Binary switch is open, placed order for switch. 5/26/21 installed new switch hooked up gauge set and ran unit every thing seemed in check out good. took temp reading at air duct and it was cooling good at 32 degrees.

*** Subtotal 399.88

*** Total \$399.88

Address#: WARGEH Name: GEHL WARRANTY WORK ORDER W048446 Closed: 8/06/21 By: JARON PO: EVANS R190 LEAK
Serial#: GHLOR190B0D175231 Make: GEHL Model: R190 Year: Hourmeter: 1848.0 Warranty:00

Tax	D	Qty	Description	Price	Amount	I/W
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repair severe hyd oil leak on lower right side
PARTS SERVICE

NA		1	GEH 50351132	TUBE/HYD TIL	9.16	9.16
NA		15	AGC 79037113-1	821XL HTF OI SHOP	3.26	48.90
			** Total PARTS SERVICE			58.06

SHOP LABOR

NA		1.97	Date 8/04/21 Employee JARON	140.00	275.80	
NA		2.00	Date 8/05/21 Employee JARON	140.00	280.00	
			** Total SHOP LABOR			555.80

Total Hours: 3.97

UPS/FREIGHT

NA			SHIPPING		15.32	
NA			EMERGENCY ORDER CHARGE		8.00	
			** Total UPS/FREIGHT			23.32

failure date:8/4/21

completion date:08/05/2021

causal p/n:50351132

Inspected machine for hydraulic leak. When operating the boom, the pipe 50351132 would spray out of a crack in the line. Tried getting Wrench/crows foot to get line off but would not fit. Removed valve block assembly with the line still attached. Installed new line. Installed valve block assembly in as a whole and connected lines/ electrical back on. Ran machine and did not find any leaks. Topped off hydraulic oil level.

** Subtotal	637.18
** Total	\$637.18

Address#: WARGEH Name: GEHL WARRANTY

Serial#: GHLOR190B0D175231 Make: GEHL

WORK ORDER W050275

Closed: 3/28/23 By: ROB

PO: EVANS R190 DERAT

Hourmeter: 4000.8 Warranty:00

Tax	D	Qty	Description	Price	Amount	I/W
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Engine runs but only at idle per customer-atmospheric pressure code active

Failure Date: 2/17/23

First Response Date: 2/17/23

Error Code Number: P1231

Error Description (SPN,FMI): SPN108 FMI10

Casual Part Number: 50250370

Part Serial Number (Old and New):Old-190215F2089 New-230221Q3018

Tech Assist Number:I230217-206 & I230327-272

Repair Date:03/28/2023

Photo of Failure to be attached

SHOP LABOR

#NA	2.48	Date	2/17/23	Employee	MATT	155.00	384.40		
#NA	1.88	Date	3/27/23	Employee	JARON	160.00	300.80		
#NA	2.07	Date	3/28/23	Employee	JARON	160.00	331.20		
** Total SHOP LABOR						1016.40		Total Hours:	6.43

UPS/FREIGHT

#NA	SHIPPING	3/27/23				17.00	
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WARR PARTS SERV

#NA	1	GEH 50250370	ECU ASSY, SE	919.96	919.96		
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2/17 No issue with throttle control at present time. No current active codes. Hooked up SA and checked logged codes. P1231 was logged in code list, along with an odd P167C "dpf high pressure side sensor (stuck check error). There is no description in SA on what this code is, nor have I seen it before. Other logged code was P0122 accelerator position 1-insufficient input. Put in a case on Assist asking if either P1231 or P167C would have an effect on throttle when active. Removed RH cab panel and checked wiring for hand throttle (sensor 1) disconnected sensor and replicated code, however, foot throttle still operated normal. Called and spoke to operator, asked if foot throttle still worked, said no. They had disconnected hand throttle to test and reconnected; creating the logged P0122; which would not have been the cause; foot throttle would have still worked. Since the logged P1231 deals with the internal ecu atmospheric pressure sensor, I gained access to this location on the ecu and cleaned all the dust/debris out of the ecu's blow hole.

Update from Assist, while the P1231 code is active, there is a likely possibility of engine derate. This is likely the cause of the no-throttle scenario. I cleaned the atmospheric pressure sensor hole in the ecu, if the issue still remains the engine ecu will have to be replaced.

2/20 Update from customer, code P1231 came up again today. They shut unit off and restarted and it went away. The internal atmospheric pressure sensor in the ecu is causing the issue. Looked up and placed order for ecu.

3/28/2023 Performed ecu data save to pc. Installed new ecu into machine. Installed date from pc into new ecu. Made sure everything transfered. Operated machine and did not have a issue with code coming up anymore or derate.

** Subtotal 1953.36

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Address#:	WARGEH	Name:	GEHL WARRANTY	WORK ORDER	W048471	Closed:	8/16/21	By:	BRADY	PO:	EVANS R190 LEAK
Serial#:	GHLOR190B0D175231	Make:	GEHL	Model:	R190	Year:		Hourmeter:	1867.6	Warranty:	00

Tax	D	Qty	Description	-----*	Price	Amount	I/W
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			repair major hydraulic oil leak-take pictures for warranty				
			SHOP LABOR				
NA		3.58	Date 8/13/21 Employee BRADY		140.00	501.20	
			UPS/FREIGHT				
NA			SHIPPING FROM GEHL 1ST			16.74	
NA			SHIPPING			12.79	
			** Total UPS/FREIGHT			29.53	
			WARR PARTS SERV				
NA		1	GEH 067761	ELBOW/MALE 9	8.91	8.91	
NA		1	GEH 50351166	TUBE/HYD LIF	13.94	13.94	
			** Total WARR PARTS SERV			22.85	

failure date:8/6/21
completion date:8/13/21
causal p/n:50351166
inspected machine located hydraulic leak on solenoid block,lifted
cab to remove leaking hydraulic pipe from main control valve, removed
leaking hydraulic line and fitting from solenoid replaced both
parts, cleaned area test ran machine inspected for any other leaks,topped
up oil to correct level.

** Subtotal	553.58
** Total	\$553.58

Address#: WARGEH Name: GEHL WARRANTY WORK ORDER W048571 Closed: 10/29/21 By: MATT PO: EVANS R190
Serial#: GHLOR190B0D175231 Make: GEHL Model: R190 Year: Hourmeter: 2117.1 Warranty:00

Tax	D	Qty	Description	Price	Amount	I/W
			repair hydraulic oil leak under cab		01	
			SVC.MISC.PARTS			
NA		6	ZIP TIE	.65	3.90	01
			SHOP LABOR			
NA		1.65	Date 10/27/21 Employee MATT	140.00	231.00	01
NA		1.98	Date 10/27/21 Employee MATT	140.00	277.20	01
NA		3.58	Date 10/28/21 Employee MATT	140.00	501.20	01
			** Total SHOP LABOR		1009.40	Total Hours: 7.21
			UPS/FREIGHT			
NA			SHIPPING		26.61	01
			WARR PARTS SERV			
NA		1	GEH 132067 SINGLE GEAR	354.43	354.43	01
NA		1	GEH 132248 O RING KC8	.84	.84	01
NA		1	GEH 055005 ELBOW/90 DEG	3.23	3.23	01
NA		1	GEH 074830 ELEMENT/HYDR JA8	23.80	23.80	01
NA		36	AGC 79037113-1 821XL HTF OI SHOP	4.41	158.76	01
			** Total WARR PARTS SERV		541.06	

failure date:9/7/21 01
completion date:10/28/21 01
causal p/n:132067 01
Raised cab, inspected for leaks. Could see area around pump/lines in front 01
of loader control valve were all wet. Cleaned off all lines, pump with 01
braklean and compressed air, ran unit. Could not immediatly see any 01
leakage. Ran unit up to operating temp, watched area when a hydraulic 01
funtion was used and found oil leaking/spraying from around the discharge 01
of the hydraulic pump. Cleaned off again and closely inspected, found 01
there is a hairline crack from the threaded discharge hole of the pump 01
rearward about 1/4 inch. Drained hydraulic oil from unit, disconnected 01
linkages/harnesses and removed control console from machine. Disconnected 01
and capped necessary hydraulic hoses. Removed and replaced hydraulic pump, 01
pump mount o-ring, and discharge fitting with new. Reconnected hydraulic 01
hoses, reinstalled control console, reconnected linkage/harnesses. 01
Found hydraulic filter had 600 hours on it, replaced hydraulic filter with 01
new and refilled with oil. Test ran unit and inspected for leaks, no 01
further leaks found. Removed belly pan and washed oil residue out of 01
belly, replaced belly pan. 01

air seat will tries to air up but will not hold 02
SHOP LABOR

NA		1.04	Date 10/28/21 Employee MATT	140.00	145.60	02
NA		2.67	Date 10/28/21 Employee MATT	140.00	373.80	02
			** Total SHOP LABOR		519.40	Total Hours: 3.71

WARR PARTS SERV

NA		1	GEH 243955 SPRING AND S	135.29	135.29	02
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failure date:9/7/21 02
completion date:10/28/21 02
causal p/n:243955 02
Disconnected electrical connector from seat, removed seat from cab. 02

LINDSTROM EQUIPMENT, INC.
MONDOVI, WI A

SERVICE HISTORY REPORT

Date 8/03/23
Time 14.45.38

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X51090-01

Removed seat back, removed seat cushion. Found air spring had a hole in it 02
near the crimp to the air bag top. Removed and replaced air spring kit 02
with new, reassembled seat, reinstalled in unit. Reconnected electrical 02
connector, tested operation-working correctly; no leaks. 02

** Subtotal 2235.66
** Total \$2235.66