Cat Electronic Technician 2026B v1.0

Product Status Report

10/16/2026 8:18 AM

Product Status Report

Parameter	Value
Product ID	MFJ20254
Equipment ID	MFJ20254
Comments	

Machine Control 326 (MFJ20254)

Parameter	Value
Product ID	MFJ20254
Application Number	9760
ECM Part Number	4899456-06
ECM Serial Number	220616003OOT000D
Software Group Part Number	6622315-00
Software Group Release Date	MAY2025
Software Group Description	326 Post APU2025 MD12.1
ECM Location Code	1

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Logged Diagnostic Codes [Diagnostic Clock = 3427 hours] - Machine Control 326 (MFJ20254)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 3427 hours] - Machine Control 326 (MFJ20254)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Machine Control 326 (MFJ20254)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Machine Control 326 (MFJ20254)

Code	Description
No Active Events	

System Communication Status - Active Problems - Machine Control 326 (MFJ20254)

ECMs	Detected Problem	Data Link	Diagnostic Information

No issues were reported			

System Communication Status - Inactive Problems - Machine Control 326 (MFJ20254)

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

Current Totals - Machine Control 326 (MFJ20254)

Description	Value	Unit
Total Operating Hours	3427	hours
Engine Maintenance Hours	3426	hours
Hydraulic Pump Hours	3426	hours
Swing Motor Hours	1247	hours
Travel Motor Hours	466	hours
Refueling Pump Hours	0	hours
Refueling Pump Screen Hours	0	hours

Configuration - Machine Control 326 (MFJ20254)

Description	Value	Unit
Product ID	MFJ20254	
Application Number	9760	
ECM Location Code	1	
Hydraulic Power Mode	High	
Power Mode Power Up Default Configuration	Retain Last State	
Lighting Shutdown Timer Duration	1	min
Travel Alarm Installation Status	Installed	
Travel Alarm Cancel Switch Installation Status	Installed	
Fine Swing System Installation Status	Installed	
Free Swing Enable Status	Enabled	
Smart Boom Installation Status	Not Installed	
Boom Low Pressure Relief System Installation Status	Not Installed	
Attachment Hydraulic Oil Filter Switch Configuration	Not Installed	
Machine Overload Pressure Sensor Installation	Not Installed	
Engine Speed Management Feature Installation Status	Not Installed	
Heavy Lift System Installation Status	Installed	
Quick Coupler Installation Status	Pin Grabber	
Quick Coupler Operation Configuration	Alarm with Curl Pressure Feedback	
Quick Coupler Unlock Automatic Auxiliary Pressure Release Enable Status	Disabled	
Pin Grabber Quick Coupler Wedge Cycle Reminder Enable Status	Enabled	
Hydraulic Oil Automatic Warm Up Feature Enable Status	Enabled	

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Hydraulic Oil Automatic Warm Up Temperature Setpoint	100	Deg F
Camera Lights Installation Status	Not Installed	
Swing Angle Sensor Installation Status	Installed	
HVAC System Installation Status	Installed	
Roof Wiper Installation Status	Not Installed	
Entertainment Module Installation Status	Installed	
Entertainment Module Type Configuration Code	1	
Product Link Type Configuration	Not Installed	
Swing Alarm Installation Status	Not Installed	
Swing Alarm Temporary Installation Status	Not Installed	
Operator Camera Vertical Split View Default Allowed Enable	Enabled	
Operator Camera Horizontal Split View Default Allowed Enable	Enabled	
Operator Camera Top Surround View Default Allowed Enable	Disabled	
Virtual Fence Beacon Installation Status	Unavailable	
Virtual Fence Beacon Temporary Installation Status	Unavailable	
Virtual Fence Beacon Enable Status	Unavailable	
Operator Seat Belt Monitor Installation Status	Not Installed	
Occupant Restraint System Machine Motion Mitigation Enable Status	Unavailable	
Engine Cooling Fan Map	High Ambient	
HVAC Elevated Idle Feature Enable Status	Enabled	
Auto Dedusting Fan System Enable Status	Disabled	
Engine Fan Reverse Operation Interval	22	min
Top Engine Fan Speed	4100	rpm
Straight Travel Pedal Installation Status	Installed Right Side	
Hydraulic Valve Control Type		
Joystick Mapping Group Selection	Two Way	
Joystick Mapping Configuration	SAE Mapping	
Travel Speed Shift Low Delay	0.4	sec
Travel Speed Shift High Delay	0.4	sec
Travel Speed Shift Low Pres	2611	psi
Travel Speed Shift High Pressure	4641	psi
Operator Activation of Straight Travel Delay Time	0.0	sec
Operator Deactivation of Straight Travel Delay Time	0.0	sec
One Touch Engine Speed Setting	1050	rpm
AESC Setting	1050	rpm
AESC Delay Time	5.0	sec
Throttle Dial Position 1 Engine Speed	950	rpm
Throttle Dial Position 2 Engine Speed	1050	rpm
Throttle Dial Position 3 Engine Speed	1150	rpm
Throttle Dial Position 4 Engine Speed	1350	rpm

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Throttle Dial Position 5 Engine Speed	1550	rpm
Throttle Dial Position 6 Engine Speed	1650	rpm
Throttle Dial Position 7 Engine Speed	1750	rpm
Throttle Dial Position 1 Hydraulic System Torque Percentage	36.8	%
Throttle Dial Position 2 Hydraulic System Torque Percentage	50.0	%
Throttle Dial Position 3 Hydraulic System Torque Percentage	60.9	%
Throttle Dial Position 4 Hydraulic System Torque Percentage	77.8	%
Throttle Dial Position 5 Hydraulic System Torque Percentage	90.3	%
Throttle Dial Position 6 Hydraulic System Torque Percentage	95.5	%
Throttle Dial Position 7 Hydraulic System Torque Percentage	100.0	%
Boom Lower Valve #1 Minimum Solenoid Current	0.736	Amps
Boom Raise Valve #1 Minimum Solenoid Current	0.703	Amps
Boom Raise Valve #2 Minimum Solenoid Current	0.886	Amps
Stick In Valve #1 Minimum Solenoid Current	0.780	Amps
Stick In Valve #2 Minimum Solenoid Current	0.946	Amps
Stick Out Valve #1 Minimum Solenoid Current	0.751	Amps
Bucket Close Valve Minimum Solenoid Current	0.739	Amps
Bucket Open Valve Minimum Solenoid Current	0.802	Amps
Swing Right Valve Minimum Solenoid Current	0.851	Amps
Swing Left Valve Minimum Solenoid Current	0.815	Amps
Left Travel Forward Valve Minimum Solenoid Current	0.774	Amps
Left Travel Backward Valve Minimum Solenoid Current	0.732	Amps
Right Travel Forward Valve Minimum Solenoid Current	0.782	Amps
Right Travel Backward Valve Minimum Solenoid Current	0.734	Amps
Stick Unload Valve Minimum Solenoid Current	0.795	Amps
Swing Priority Valve Minimum Solenoid Current	1.051	Amps
Boom Float Solenoid Minimum Current	0.730	Amps
Spool Response Selection	Fast	
Fine Mode Operator Adjustment Enable Status	Disabled	

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Fore Boom Snubbing System Installation Status	Not Installed	
Excavator Boom Configuration	Reach	
Excavator Stick Configuration	Long	
Jog Dial Module Installation Status	Installed	
Swing Speed Limit System Installation Status	Not Installed	
Entertainment Module Microphone Installation Status	Installed	
Remote Control Operator Station Installation Status	Not Installed	
Remote Control Operator Station Temporary Installation Status	Not Installed	
Remote Control System Installation Status	Not Installed	
Remote Control System Temporary Installation Status	Not Installed	
Remote Control System Temporary Installation Time Remaining	6000	min
Joystick Steering Feature Installation Status	Not Installed	
Joystick Steering Feature Temporary Installation Status	Not Installed	
Horn Activation Lighting Flash Enable Status	Enabled	
Horn Activation Lighting Flash Minimum Count	2	
Auxiliary Relay Module Installation Status	Not Installed	
Auxiliary Relay #1 User Defined Name	User Defined Name	
Auxiliary Relay #2 User Defined Name	User Defined Name	
Auxiliary Relay #3 User Defined Name	User Defined Name	
Auxiliary Relay #4 User Defined Name	User Defined Name	
Advanced Machine Security System Installation Status	Installed	
Security System Authentication Device Registration Bypass Enable Status	Disabled	
Operator Identification Enable Status	Enabled	
Operator Management Passcode Enabled Status	Enabled	
Operator Management Bluetooth Device Enabled Status	Enabled	
Security System Grace Time Period	1800	sec
Sunday Security System Bypass Start Time	00:00	
Sunday Security System Bypass Stop Time	00:00	
Monday Security System Bypass Start Time	00:00	
Monday Security System Bypass Stop Time	00:00	
Tuesday Security System Bypass Start Time	00:00	
Tuesday Security System Bypass Stop Time	00:00	

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Wednesday Security System Bypass Start Time	00:00	
Wednesday Security System Bypass Stop Time	00:00	
Thursday Security System Bypass Start Time	00:00	
Thursday Security System Bypass Stop Time	00:00	
Friday Security System Bypass Start Time	00:00	
Friday Security System Bypass Stop Time	00:00	
Saturday Security System Bypass Start Time	00:00	
Saturday Security System Bypass Stop Time	00:00	
Total Tattletale	Unavailable	
Operator Station Avoidance Enable Display Lock Status	Disabled	
Advanced Implement Installation Status	Not Installed	
Advanced Implement Temporary Installation Status	Not Installed	
Custom Implement Control Installation Status	Not Installed	
Custom Implement Control Temporary Installation Status	Not Installed	
Foundation Drill Application Support Installation Status	Not Installed	
Motion Inhibit System Installation Status	Unavailable	

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Calibration Status - Machine Control 326 (MFJ20254)

Calibration	Status	Last Successful Completion
All Levers and Pedals Calibration	Success	0.2 hours
Inertial Measurement Unit Identification Calibration	Success	1.9 hours
All Pumps with Pump Pressure Calibration	Success	9.3 hours
All Implements with Pump Pressure Calibration	Success	9.5 hours
Engine Cooling Fan Calibration	Failed	3417.1 hours
	Error: 0002 Active Diagnostic present	
	Error: 0009 Aborted by ECM	

Port Statistics Snapshot - Machine Control 326 (MFJ20254)

Port Statistics Snapshot
Data Unavailable

Wireless Transceiver

Parameter	Value
ECM Part Number	4620441-05
ECM Serial Number	0622B764NS
Software Group Part Number	5813903-00

Software Group Release Date	AUG19
Software Group Description	Bluetooth Transceiver

C7.1 (J7A27240)

Parameter	Value
Equipment ID	MFJ20254
Engine Serial Number	J7A27240
ECM Part Number	6245520-00
ECM Serial Number	2205150040DR005R
Software Group Part Number	6630670-00
Software Group Release Date	FEB25
Calibration Identification Number	AN453_13
Operator Inducement Regulation Configuration	Worldwide

Logged Diagnostic Codes [Diagnostic Clock = 3427 hours] - C7.1 (J7A27240)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 3427 hours] - C7.1 (J7A27240)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - C7.1 (J7A27240)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C7.1 (J7A27240)

Code	Description
No Active Events	

System Communication Status - Active Problems - C7.1 (J7A27240)

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

System Communication Status - Inactive Problems - C7.1 (J7A27240)

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

Current Totals - C7.1 (J7A27240)

Description	Value	Unit
Total Idle Time	1024:32	hours
Total Fuel	14296	gal
Total Engine #1 Fuel	14247	gal

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Total ARD Fuel	48.806	gal
Total Idle Fuel	1120	gal
Total Max Fuel	35018	gal
Aftertreatment #1 Total DEF Used	337.8	gal
Engine Lifetime Hours	3330.6	hours
Average Load Factor	38	%
Engine Starts	1769	
Lifetime Total Engine Revolutions	311531496	rev
Total Operating Hours	3427	hours
Operator Inducement Emergency Override Total Activations	0	
Operator Inducement Emergency Override Total Resets	0	
Total Engine Idle Shutdown Count	183	
Total Engine Idle Shutdown Overrides Count	60	
Total Delayed Engine Shutdown Count	0	
Total Delayed Engine Shutdown Overrides Count	0	
Starts/Hour	0.53	
Average RPM	1558.93	rpm
Percentage Idle Time	30.75	%
Average Fuel Rate	4.29	gal/h
Overall Load Factor	40	%
Fuel Rail Pressure Relief Valve Open Occurrences	2	

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Configuration - C7.1 (J7A27240)

Description	Value	Unit
Equipment ID	MFJ20254	
Engine Serial Number	J7A27240	
ECM Serial Number	2205150040DR005R	
Software Group Part Number	6630670-00	
Software Group Release Date	FEB25	
Rating Number	1	
Rated Power	202 hp at 1800 rpm	
Rated Peak Torque	642 lb-ft at 1400 rpm	
Low Idle Speed	800	rpm
High Idle Speed	2310	rpm
Ether Solenoid Configuration	Continuous Flow Solenoid	
Glow Plug Start Aid Installation Status	Installed	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Engine Warm Up Elevated Idle Delay Time	10.0	min
Air Filter Restriction Configuration	Switch	

Engine Filtered Fuel Sensor Module Configuration	Pressure and Temperature	
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	30.0	min
Delayed Engine Shutdown Enable Status	Disabled	
Delayed Engine Shutdown Maximum Time	10.0	min
Factory Installed Aftertreatment #1 Identification Number	CXX325930B	
DPF #1 Soot Loading Sensing System Configuration Code	HT	
Operator Inducement Progress Configuration	Reduced Performance	
Operator Inducement Regulation Configuration	Worldwide	
Operator Inducement Emergency Override Enable Status	Disabled	
Operator Inducement Emergency Override Activation	Not Activated	
Operator Final Inducement Action	Shutdown	
FLS	16	
FTS	-20	
Engineering Measurement and Calibration Protocol (CCP/XCP) Security	Seed and Key Access for Read/Write	
Total Tattletale	255	

Additional Information - C7.1 (J7A27240)

Description	Value	Unit
Total EGR Valve Cycles	423308	
Total EGR Valve Travel	261797	mm
EGR Valve Maximum Position Calibration Value	1.3828	Ratio
EGR Valve Minimum Position Calibration Value	0.2188	Ratio
Total Engine Exhaust Back Pressure Regulator Cycles	215126	
Total Engine Exhaust Back Pressure Regulator Rotation	8422172	Deg
Engine Exhaust Back Pressure Regulator Maximum Position Calibration Value	0.8603	Ratio
Engine Exhaust Back Pressure Regulator Minimum Position Calibration Value	0.1572	Ratio

Lifetime:Accumulated Time vs Atmospheric Pressure - C7.1 (J7A27240)

Atmospheric Pressure(psi)	hours	%
<7.977	0.20	0.01
7.977-8.701	0.00	0.00
8.702-9.426	0.00	0.00
9.427-10.152	0.00	0.00
10.153-10.877	0.00	0.00
10.878-11.602	0.00	0.00
11.603-12.327	0.00	0.00

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12.328-13.052	0.00	0.00
13.053-13.778	0.00	0.00
13.779-14.503	3035.70	89.41
14.504-15.228	359.30	10.58
15.229-15.953	0.00	0.00
15.954-16.679	0.00	0.00
>16.679	0.00	0.00

Lifetime:Accumulated Time vs Engine Coolant Temperature - C7.1 (J7A27240)

Engine Coolant Temperature(Deg F)	hours	%
<104.00	27.55	0.81
104.00-121.99	17.10	0.50
122.00-139.99	35.15	1.04
140.00-157.99	258.75	7.62
158.00-175.99	731.60	21.55
176.00-193.99	1273.20	37.50
194.00-211.99	1004.55	29.59
212.00-229.99	46.10	1.36
230.00-247.99	1.20	0.04
248.00-265.99	0.00	0.00
266.00-284.00	0.00	0.00
>284.00	0.00	0.00

Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C7.1 (J7A27240)

Engine Speed(rpm)	Count	%
<2600.0	0	0.00
2600.0-2699.9	0	0.00
2700.0-2799.9	0	0.00
2800.0-2899.9	0	0.00
2900.0-2999.9	0	0.00
3000.0-3099.9	0	0.00
3100.0-3199.9	0	0.00
3200.0-3299.9	0	0.00
3300.0-3400.0	0	0.00
>3400.0	0	0.00

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 (J7A27240)

rpm	<800.0	800.0-899.9	900.0-999.9	1000.0-1099.9	1100.0-1199.9	1200.0-1299.9	1300.0-1399.9	1400.0-1499.9	1500.0-1599.9
%									
<10.0	0.20	0.00	129.65	288.65	16.25	2.30	4.80	3.90	63.20
10.0-19.9	0.00	0.00	163.05	178.35	2.90	2.15	5.45	4.70	61.15
20.0-29.9	0.00	0.05	17.05	24.70	0.50	0.30	1.95	2.70	37.70
30.0-39.9	0.00	0.05	4.85	0.20	1.25	1.30	1.45	1.75	37.55

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40.0-49.9	0.00	0.00	1.65	0.15	0.55	0.20	1.60	1.25	49.25
50.0-59.9	0.05	0.00	0.35	0.20	4.50	5.05	2.20	1.05	68.45
60.0-69.9	0.00	0.00	0.05	0.10	3.55	3.95	2.40	1.20	71.35
70.0-79.9	0.00	0.00	0.00	0.50	0.40	0.30	1.20	1.10	53.65
80.0-90.0	0.10	0.00	0.05	0.15	0.05	0.10	0.20	1.05	44.05
>90.0	0.25	0.00	0.05	0.00	0.00	0.10	0.40	7.20	60.60
Total	0.60	0.10	316.75	493.00	29.95	15.75	21.65	25.90	546.95

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 (J7A27240)

rpm	1600.0-1699.9	1700.0-1799.9	1800.0-1899.9	1900.0-1999.9	2000.0-2099.9	2100.0-2199.9	2200.0-2299.9	2300.0-2399.9	2400.0-2499.9
%									
<10.0	21.10	137.65	1.85	0.00	0.00	0.00	0.00	0.00	0.00
10.0-19.9	40.35	238.80	1.45	0.00	0.00	0.00	0.00	0.00	0.00
20.0-29.9	35.25	205.10	1.35	0.00	0.00	0.00	0.00	0.00	0.00
30.0-39.9	34.05	182.35	1.30	0.00	0.00	0.00	0.00	0.00	0.00
40.0-49.9	35.50	156.65	1.45	0.00	0.00	0.00	0.00	0.00	0.00
50.0-59.9	33.00	144.30	1.55	0.00	0.00	0.00	0.00	0.00	0.00
60.0-69.9	31.15	135.00	1.60	0.00	0.00	0.00	0.00	0.00	0.00
70.0-79.9	30.20	116.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00
80.0-90.0	32.20	159.40	1.15	0.00	0.00	0.00	0.00	0.00	0.00
>90.0	44.70	117.95	0.10	0.00	0.00	0.00	0.00	0.00	0.00
Total	337.50	1593.20	13.90	0.00	0.00	0.00	0.00	0.00	0.00

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 (J7A27240)

rpm	2500.0-2599.9	2600.0-2699.9	2700.0-2799.9	2800.0-2899.9	2900.0-3000.0	>3000.0	Total
%							
<10.0	0.00	0.00	0.00	0.00	0.00	0.00	669.55
10.0-19.9	0.00	0.00	0.00	0.00	0.00	0.00	698.35
20.0-29.9	0.00	0.00	0.00	0.00	0.00	0.00	326.65
30.0-39.9	0.00	0.00	0.00	0.00	0.00	0.00	266.10
40.0-49.9	0.00	0.00	0.00	0.00	0.00	0.00	248.25
50.0-59.9	0.00	0.00	0.00	0.00	0.00	0.00	260.70
60.0-69.9	0.00	0.00	0.00	0.00	0.00	0.00	250.35
70.0-79.9	0.00	0.00	0.00	0.00	0.00	0.00	205.45

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80.0-90.0	0.00	0.00	0.00	0.00	0.00	0.00	238.50
>90.0	0.00	0.00	0.00	0.00	0.00	0.00	231.35
Total	0.00	0.00	0.00	0.00	0.00	0.00	3395.25

Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C7.1 (J7A27240)

Intake Manifold Air Temperature(Deg F)	hours	%
<68.00	78.00	2.30
68.00-85.99	169.60	5.00
86.00-103.99	547.10	16.11
104.00-121.99	973.90	28.68
122.00-139.99	1222.15	36.00
140.00-157.99	384.00	11.31
158.00-175.99	20.50	0.60
176.00-193.99	0.00	0.00
194.00-211.99	0.00	0.00
212.00-229.99	0.00	0.00
230.00-247.99	0.00	0.00
248.00-265.99	0.00	0.00
266.00-283.99	0.00	0.00
284.00-301.99	0.00	0.00
302.00-319.99	0.00	0.00
320.00-337.99	0.00	0.00
338.00-355.99	0.00	0.00
356.00-373.99	0.00	0.00
374.00-391.99	0.00	0.00
392.00-409.99	0.00	0.00
410.00-427.99	0.00	0.00
428.00-445.99	0.00	0.00
446.00-464.00	0.00	0.00
>464.00	0.00	0.00

Lifetime:Accumulated Time vs Air Inlet Temperature - C7.1 (J7A27240)

Air Inlet Temperature(Deg F)	hours	%
<(-4.00)	0.20	0.01
(-4.00)-4.99	0.95	0.03
5.00-13.99	8.95	0.26
14.00-22.99	21.75	0.64
23.00-31.99	78.90	2.32
32.00-40.99	136.10	4.01
41.00-49.99	233.35	6.87
50.00-58.99	315.45	9.29
59.00-67.99	413.70	12.18
68.00-76.99	463.65	13.66
77.00-85.99	518.30	15.27
86.00-94.99	661.30	19.48
95.00-103.99	434.45	12.80
104.00-112.99	97.65	2.88

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113.00-121.99	10.55	0.31
122.00-130.99	0.00	0.00
131.00-139.99	0.00	0.00
140.00-148.99	0.00	0.00
149.00-157.99	0.00	0.00
158.00-166.99	0.00	0.00
167.00-176.00	0.00	0.00
>176.00	0.00	0.00

Lifetime:Accumulated Time vs Calculated Ambient Air Temperature And Aftertreatment #1 DEF Tank Temperature - C7.1 (J7A27240)

Deg F	<17.60	17.60-31.99	32.00-49.99	50.00-67.99	68.00-85.99	86.00-104.00	>104.00	Total
Deg F								
<17.60	1.30	0.25	0.00	0.00	0.00	0.00	0.00	1.55
17.60-31.99	1.75	3.15	0.35	0.00	0.00	0.00	0.00	5.25
32.00-49.99	5.95	7.40	15.00	4.70	5.15	1.30	0.00	39.50
50.00-67.99	25.75	135.75	472.15	684.60	131.20	0.20	0.00	1449.65
68.00-85.99	12.20	40.70	70.35	196.00	983.95	159.75	0.00	1462.95
86.00-103.99	0.15	0.00	0.10	0.00	82.55	361.50	4.90	449.20
104.00-121.99	0.00	0.00	0.00	0.00	0.00	9.10	5.25	14.35
122.00-139.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00-157.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158.00-167.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>167.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	47.10	187.25	557.95	885.30	1202.85	531.85	10.15	3422.45

Monitoring System - C7.1 (J7A27240)

High Air Filter Restriction

172-1 High Air Filter Restriction (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		240 sec		
Activation Thresholds				
Engine Air Filter Differential Pressure		0.9 psi		7 psi-sec
Deactivation Conditions				
Latched		Yes		

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Hysteresis		0.1 psi		4 psi-sec

Action	Parameter		Value
Warn Operator			

172-2 High Air Filter Restriction (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		240 sec		
Activation Thresholds				
Engine Air Filter Differential Pressure		0.9 psi		15 psi-sec
Deactivation Conditions				
Latched		Yes		

Action	Parameter		Value
Engine Derate			

High Fuel/Water Separator Water Level

232-1 High Fuel/Water Separator Water Level (Always On)

Description		Value		Delay Time
Activation Thresholds				
Water In Fuel Indicator				15 sec

Action	Parameter		Value
Warn Operator			

232-2 High Fuel/Water Separator Water Level (Always On)

Description		Value		Delay Time
Activation Thresholds				
Water In Fuel Indicator				1800 sec

Action	Parameter		Value
Engine Derate			

Low Engine Oil Pressure

360-1 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time

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Enable Conditions				
Engine Run Time		15 sec		
Activation Thresholds				
Engine Oil Pressure				104 psi-sec

Action	Parameter		Value
Warn Operator			

360-2 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		15 sec		
Activation Thresholds				
Engine Oil Pressure				52 psi-sec

Action	Parameter		Value
Engine Derate			

360-3 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		15 sec		
Activation Thresholds				
Engine Oil Pressure				52 psi-sec

Action	Parameter		Value

High Engine Coolant Temperature

361-1 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		185 sec		
Activation Thresholds				
Engine Coolant Temperature		235 Deg F		10 sec
Deactivation Conditions				
Hysteresis		36 Deg F		4 sec

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Action	Parameter		Value
Warn Operator			

361-2 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		185 sec		
Activation Thresholds				
Engine Coolant Temperature		237 Deg F		10 sec
Deactivation Conditions				
Hysteresis		36 Deg F		20 sec

Action	Parameter		Value
Engine Derate			

361-3 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		185 sec		
Activation Thresholds				
Engine Coolant Temperature		241 Deg F		10 sec
Deactivation Conditions				
Hysteresis		36 Deg F		20 sec
Latched		No		

Action	Parameter		Value

Engine Overspeed

362-1 Engine Overspeed (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Engine Speed		3000 rpm		0.6 sec
Deactivation Conditions				
Hysteresis		200 rpm		0.6 sec

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Action	Parameter		Value
Warn Operator			

362-3 Engine Overspeed (Off)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Engine Speed		3000 rpm		1.0 sec
Deactivation Conditions				
Hysteresis		0 rpm		0.1 sec
Latched		Yes		

Action	Parameter		Value

High Intake Manifold Air Temperature

539-1 High Intake Manifold Air Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Intake Manifold Air Temperature		253 Deg F		8 sec
Deactivation Conditions				
Hysteresis		34 Deg F		4 sec

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Action	Parameter		Value
Warn Operator			

539-2 High Intake Manifold Air Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Intake Manifold Air Temperature		257 Deg F		8 sec
Deactivation Conditions				
Hysteresis		34 Deg F		20 sec

Action	Parameter		Value
Engine Derate			

539-3 High Intake Manifold Air Temperature (Off)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Intake Manifold Air Temperature		257 Deg F		8 sec
Deactivation Conditions				
Hysteresis		34 Deg F		20 sec
Latched		No		

Action	Parameter		Value

High Engine Air Filter #1 Differential Pressure

583-1 High Engine Air Filter #1 Differential Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		60 sec		
Activation Thresholds				
Activation Sample Size		250		
Deactivation Conditions				
Deactivation Sample Size		10		

Action	Parameter		Value
Warn Operator			

583-2 High Engine Air Filter #1 Differential Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		60 sec		
Activation Thresholds				
Activation Sample Size		1000		
Deactivation Conditions				
Deactivation Sample Size		10		

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Action	Parameter		Value
Engine Derate			

High EGR Temperature

1092-1 High EGR Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
EGR Temperature		352 Deg F		8 sec
Deactivation Conditions				
Hysteresis		34 Deg F		4 sec

Action	Parameter		Value
Warn Operator			

1092-2 High EGR Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
EGR Temperature		356 Deg F		8 sec
Deactivation Conditions				
Hysteresis		34 Deg F		4 sec

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Action	Parameter		Value
Engine Derate			

Injector Codes Calibration - C7.1 (J7A27240)

Injector	Code
Injector 1	7305120A101C0A081212190000FF5D
Injector 2	73031104131A070315121C0000FF02
Injector 3	73011108162A1BFF1C18290000FF73
Injector 4	7309110B1026340C0C18280000FF67
Injector 5	730915051013000D0811180000FF00
Injector 6	73FF0B050B1D24061015200000FF44

Aftertreatment Abnormal Shutdown History - C7.1 (J7A27240)

Engine Shutdown	Engine Shutdown	Temperature Threshold	Ambient Air Temperature	Aftertreatment #1 DEF Tank	Aftertreatment #1 SCR

Type	Service Hours			Temperature	Catalyst Intake Gas Temperature
Hot Shutdown (Above SCR Intake Temperature Threshold)	3351.58 hours	698.0 Deg F	91.9 Deg F	93.2 Deg F	707.9 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3330.23 hours	698.0 Deg F	91.4 Deg F	87.8 Deg F	740.8 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3304.42 hours	698.0 Deg F	71.4 Deg F	75.2 Deg F	756.5 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3295.14 hours	698.0 Deg F	88.7 Deg F	93.2 Deg F	710.8 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3260.18 hours	698.0 Deg F	77.4 Deg F	82.4 Deg F	721.4 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3245.75 hours	698.0 Deg F	80.2 Deg F	82.4 Deg F	743.9 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3245.47 hours	698.0 Deg F	79.2 Deg F	82.4 Deg F	731.1 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3234.86 hours	698.0 Deg F	74.1 Deg F	77.0 Deg F	752.5 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3232.33 hours	698.0 Deg F	93.0 Deg F	91.4 Deg F	965.8 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3227.05 hours	698.0 Deg F	79.9 Deg F	82.4 Deg F	702.5 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3226.29 hours	698.0 Deg F	94.6 Deg F	89.6 Deg F	730.0 Deg F

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Hot Shutdown (Above SCR Intake Temperature Threshold)	3193.99 hours	698.0 Deg F	91.8 Deg F	86.0 Deg F	715.6 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3188.72 hours	698.0 Deg F	91.9 Deg F	86.0 Deg F	722.8 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3175.78 hours	698.0 Deg F	75.0 Deg F	73.4 Deg F	705.4 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3167.24 hours	698.0 Deg F	84.2 Deg F	91.4 Deg F	714.4 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3154.85 hours	698.0 Deg F	82.0 Deg F	77.0 Deg F	710.4 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3144.91 hours	698.0 Deg F	88.9 Deg F	82.4 Deg F	723.7 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3129.00 hours	698.0 Deg F	59.4 Deg F	59.0 Deg F	742.5 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3126.84 hours	698.0 Deg F	51.8 Deg F	69.8 Deg F	728.8 Deg F
Hot Shutdown (Above SCR Intake Temperature Threshold)	3090.11 hours	698.0 Deg F	73.0 Deg F	69.8 Deg F	737.8 Deg F

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Low Temperature Aftertreatment Regeneration History - C7.1 (J7A27240)

Regeneration Trigger Service Hours	Aftertreatment Regeneration Trigger Percent Soot	Regeneration Interval End Service Hours	Aftertreatment Regeneration End Percent Soot	Aftertreatment Regeneration End Status	Exhaust Back Pressure Regulator Enabled Duration	Average Air Intake Temperature	Average DPF #1 Intake Temperature	DPF #1 Intake Temperature Deviation
3406.30 hours	16 %	3406.30 hours	16 %	Regeneration Completed	0 sec	55 Deg F	460 Deg F	32 Deg F

3401.95 hours	22 %	3401.95 hours	22 %	Regeneration Completed	0 sec	73 Deg F	516 Deg F	32 Deg F
3401.11 hours	27 %	3401.11 hours	27 %	Regeneration Completed	0 sec	70 Deg F	471 Deg F	32 Deg F
2288.45 hours	98 %	2290.99 hours	79 %	Regeneration Completed	442 sec	73 Deg F	599 Deg F	93 Deg F
2288.44 hours	98 %	2288.44 hours	98 %	Ignition Key Switch	0 sec	72 Deg F	324 Deg F	34 Deg F
2286.83 hours	90 %	2288.43 hours	95 %	Ignition Key Switch	580 sec	81 Deg F	572 Deg F	73 Deg F
2274.81 hours	105 %	2278.03 hours	79 %	Regeneration Completed	3240 sec	90 Deg F	540 Deg F	90 Deg F
2274.51 hours	110 %	2274.80 hours	100 %	Low Temperature Regeneration Disabled	1077 sec	73 Deg F	561 Deg F	50 Deg F
2274.40 hours	100 %	2274.51 hours	110 %	Higher Soot Load Trigger	124 sec	73 Deg F	667 Deg F	63 Deg F
2274.31 hours	90 %	2274.40 hours	100 %	Higher Soot Load Trigger	0 sec	72 Deg F	662 Deg F	43 Deg F
2266.05 hours	44 %	2267.24 hours	47 %	Regeneration Completed	715 sec	66 Deg F	536 Deg F	81 Deg F
2258.95 hours	92 %	2259.03 hours	92 %	Low Temperature Regeneration Disabled	0 sec	77 Deg F	507 Deg F	66 Deg F
2258.58 hours	100 %	2258.86 hours	99 %	Low Temperature Regeneration Disabled	130 sec	81 Deg F	595 Deg F	90 Deg F
2256.84 hours	89 %	2258.53 hours	96 %	Low Temperature Regeneration Disabled	1102 sec	68 Deg F	545 Deg F	90 Deg F

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2255.32 hours	90 %	2256.62 hours	89 %	Ignition Key Switch	1152 sec	81 Deg F	532 Deg F	63 Deg F
2253.97 hours	85 %	2254.54 hours	79 %	Regeneration Completed	320 sec	79 Deg F	491 Deg F	77 Deg F
2253.20 hours	90 %	2253.96 hours	84 %	Ignition Key Switch	885 sec	75 Deg F	491 Deg F	144 Deg F
2250.38 hours	90 %	2251.06 hours	79 %	Regeneration Completed	666 sec	75 Deg F	549 Deg F	91 Deg F
2247.39 hours	100 %	2249.77 hours	79 %	Regeneration Completed	1629 sec	72 Deg F	579 Deg F	93 Deg F
2247.20 hours	90 %	2247.39 hours	100 %	Higher Soot Load Trigger	0 sec	61 Deg F	678 Deg F	46 Deg F
2246.35 hours	88 %	2246.39 hours	79 %	Regeneration Completed	100 sec	54 Deg F	383 Deg F	117 Deg F
2245.81 hours	110 %	2246.23 hours	104 %	Ignition Key Switch	887 sec	77 Deg F	613 Deg F	88 Deg F
2245.50 hours	100 %	2245.81 hours	110 %	Higher Soot Load Trigger	39 sec	75 Deg F	653 Deg F	66 Deg F
2245.29 hours	90 %	2245.50 hours	100 %	Higher Soot Load Trigger	20 sec	77 Deg F	640 Deg F	66 Deg F
2242.49 hours	90 %	2243.44 hours	79 %	Regeneration Completed	237 sec	70 Deg F	529 Deg F	81 Deg F
2238.85 hours	90 %	2241.39 hours	79 %	Regeneration Completed	3355 sec	64 Deg F	547 Deg F	97 Deg F
2238.83 hours	90 %	2238.84 hours	90 %	Ignition Key Switch	29 sec	63 Deg F	365 Deg F	52 Deg F
2238.81 hours	90 %	2238.82 hours	90 %	Ignition Key Switch	0 sec	63 Deg F	435 Deg F	34 Deg F
2238.62 hours	90 %	2238.80 hours	89 %	Ignition Key Switch	226 sec	64 Deg F	559 Deg F	131 Deg F
2237.40 hours	90 %	2237.47 hours	88 %	Ignition Key Switch	0 sec	57 Deg F	684 Deg F	59 Deg F

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2234.48 hours	110 %	2237.36 hours	88 %	Ignition Key Switch	1133 sec	66 Deg F	604 Deg F	77 Deg F
2232.16 hours	100 %	2234.48 hours	110 %	Higher Soot Load Trigger	893 sec	59 Deg F	621 Deg F	70 Deg F
2231.89 hours	90 %	2232.16 hours	100 %	Higher Soot Load Trigger	1 sec	50 Deg F	586 Deg F	86 Deg F
2229.17 hours	100 %	2231.76 hours	89 %	Ignition Key Switch	748 sec	79 Deg F	597 Deg F	90 Deg F
2228.06 hours	100 %	2229.16 hours	90 %	Low Temperature Regeneration Disabled	1496 sec	79 Deg F	597 Deg F	79 Deg F
2227.52 hours	90 %	2228.06 hours	100 %	Higher Soot Load Trigger	73 sec	79 Deg F	597 Deg F	81 Deg F
2210.64 hours	90 %	2212.35 hours	79 %	Regeneration Completed	297 sec	104 Deg F	612 Deg F	79 Deg F
2203.31 hours	106 %	2209.68 hours	79 %	Regeneration Completed	3504 sec	91 Deg F	617 Deg F	90 Deg F
2203.26 hours	96 %	2203.31 hours	106 %	Higher Soot Load Trigger	0 sec	70 Deg F	729 Deg F	45 Deg F
2203.21 hours	110 %	2203.23 hours	111 %	Ignition Key Switch	7 sec	88 Deg F	759 Deg F	41 Deg F

Average Engine Speed	Engine Speed Deviation	Average Engine Load	Engine Load Deviation
949 rpm	0 rpm	24 %	0 %
1649 rpm	0 rpm	18 %	0 %
949 rpm	0 rpm	26 %	0 %
1574 rpm	124 rpm	46 %	25 %
1049 rpm	0 rpm	13 %	0 %
1518 rpm	167 rpm	40 %	22 %
1397 rpm	245 rpm	28 %	13 %
1048 rpm	27 rpm	23 %	2 %
1414 rpm	239 rpm	41 %	14 %
1560 rpm	24 rpm	49 %	7 %
1466 rpm	217 rpm	31 %	21 %
1569 rpm	46 rpm	36 %	17 %

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1533 rpm	204 rpm	41 %	22 %
1458 rpm	225 rpm	34 %	22 %
1416 rpm	253 rpm	31 %	21 %
1385 rpm	260 rpm	26 %	17 %
1278 rpm	293 rpm	29 %	23 %
1382 rpm	292 rpm	33 %	23 %
1467 rpm	250 rpm	40 %	26 %
1640 rpm	36 rpm	61 %	30 %
1531 rpm	1 rpm	15 %	4 %
1289 rpm	385 rpm	38 %	23 %
1742 rpm	31 rpm	55 %	28 %
1736 rpm	43 rpm	54 %	29 %
1661 rpm	223 rpm	33 %	17 %
1443 rpm	325 rpm	32 %	21 %
1049 rpm	2 rpm	15 %	6 %
1473 rpm	337 rpm	15 %	10 %
1442 rpm	307 rpm	29 %	19 %
1549 rpm	152 rpm	60 %	25 %
1669 rpm	228 rpm	43 %	26 %
1699 rpm	169 rpm	46 %	27 %
1694 rpm	132 rpm	43 %	26 %
1660 rpm	221 rpm	44 %	28 %
1469 rpm	375 rpm	40 %	25 %
1728 rpm	119 rpm	44 %	27 %
1679 rpm	205 rpm	48 %	28 %
1628 rpm	263 rpm	46 %	28 %
1545 rpm	22 rpm	70 %	14 %
1588 rpm	163 rpm	53 %	33 %

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Hydrocarbon Dosing History - C7.1 (J7A27240)

Regeneration Trigger Service Hours	Aftertreatment Regeneration Trigger Type	Aftertreatment Regeneration Trigger Percent Soot	Aftertreatment Regeneration Urgency Level	Regeneration Completion Service Hours	Aftertreatment Regeneration End Status	Aftertreatment Regeneration End Percent Soot	Average Air Intake Temperature	Average Diesel Oxidation Catalyst Intake Temperature Margin
1833.18 hours	SCR Maintenance	69 %	Low	1833.72 hours	Regeneration Completed	43 %	41 Deg F	133 Deg F
1893.74 hours	SCR Maintenance	50 %	Low	1894.32 hours	Regeneration Completed	10 %	45 Deg F	140 Deg F
1954.39 hours	SCR Maintenance	69 %	Low	1954.96 hours	Regeneration Completed	17 %	61 Deg F	158 Deg F

2015.86 hours	SCR Maintenance	74 %	Low	2016.40 hours	Regeneration Completed	12 %	37 Deg F	165 Deg F
2076.64 hours	SCR Maintenance	64 %	Low	2077.19 hours	Regeneration Completed	9 %	68 Deg F	151 Deg F
2137.21 hours	SCR Maintenance	92 %	Low	2137.71 hours	Ignition Key Switch	22 %	68 Deg F	104 Deg F
2137.79 hours	SCR Maintenance	22 %	Low	2137.94 hours	Regeneration Completed	33 %	50 Deg F	118 Deg F
2197.96 hours	SCR Maintenance	85 %	Low	2198.51 hours	Regeneration Completed	13 %	86 Deg F	158 Deg F
2258.53 hours	SCR Maintenance	96 %	Low	2258.58 hours	Higher Soot Load Trigger	100 %	79 Deg F	108 Deg F
2258.86 hours	SCR Maintenance	99 %	Low	2258.94 hours	Ignition Key Switch	93 %	79 Deg F	79 Deg F
2259.03 hours	SCR Maintenance	92 %	Low	2259.62 hours	Regeneration Completed	8 %	81 Deg F	93 Deg F
2319.65 hours	SCR Maintenance	41 %	Low	2320.21 hours	Regeneration Completed	22 %	81 Deg F	93 Deg F
2380.23 hours	SCR Maintenance	23 %	Low	2380.62 hours	Ignition Key Switch	27 %	99 Deg F	111 Deg F
2380.71 hours	SCR Maintenance	27 %	Low	2380.96 hours	Regeneration Completed	23 %	97 Deg F	111 Deg F
2441.13 hours	SCR Maintenance	22 %	Low	2441.71 hours	Regeneration Completed	23 %	90 Deg F	90 Deg F
2502.33 hours	SCR Maintenance	35 %	Low	2502.91 hours	Regeneration Completed	29 %	93 Deg F	90 Deg F
2562.93 hours	SCR Maintenance	26 %	Low	2563.52 hours	Regeneration Completed	28 %	91 Deg F	93 Deg F
2623.56 hours	SCR Maintenance	24 %	Low	2624.13 hours	Regeneration Completed	21 %	90 Deg F	111 Deg F

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2684.34 hours	SCR Maintenance	31 %	Low	2684.39 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	31 %	63 Deg F	-4 Deg F
2684.47 hours	SCR Maintenance	34 %	Low	2685.01 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	24 %	66 Deg F	75 Deg F
2685.10 hours	SCR Maintenance	22 %	Low	2685.19 hours	Ignition Key Switch	20 %	68 Deg F	111 Deg F
2745.21 hours	SCR Maintenance	22 %	Low	2745.77 hours	Regeneration Completed	18 %	72 Deg F	115 Deg F
2805.79 hours	SCR Maintenance	22 %	Low	2806.35 hours	Regeneration Completed	15 %	50 Deg F	86 Deg F
2866.38 hours	SCR Maintenance	19 %	Low	2866.93 hours	Regeneration Completed	19 %	57 Deg F	133 Deg F
2926.92 hours	SCR Maintenance	53 %	Low	2927.18 hours	Ignition Key Switch	48 %	41 Deg F	198 Deg F
2927.29 hours	SCR Maintenance	27 %	Low	2927.30 hours	System Fault	22 %	30 Deg F	14 Deg F
2927.59 hours	SCR Maintenance	34 %	Low	2927.72 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	17 %	32 Deg F	79 Deg F
2927.81 hours	SCR Maintenance	16 %	Low	2928.06 hours	Regeneration Completed	15 %	34 Deg F	129 Deg F
2988.08 hours	SCR Maintenance	30 %	Low	2988.40 hours	System Fault	34 %	66 Deg F	158 Deg F
2989.06 hours	SCR Maintenance	28 %	Low	2989.35 hours	Regeneration Completed	17 %	63 Deg F	111 Deg F

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3049.36 hours	SCR Maintenance	25 %	Low	3049.91 hours	Regeneration Completed	26 %	93 Deg F	169 Deg F
3110.02 hours	SCR Maintenance	17 %	Low	3110.57 hours	Regeneration Completed	19 %	72 Deg F	158 Deg F
3170.61 hours	SCR Maintenance	19 %	Low	3171.18 hours	Regeneration Completed	22 %	90 Deg F	151 Deg F
3232.09 hours	SCR Maintenance	35 %	Low	3232.33 hours	Ignition Key Switch	38 %	102 Deg F	115 Deg F
3232.53 hours	SCR Maintenance	27 %	Low	3232.93 hours	Regeneration Completed	20 %	77 Deg F	172 Deg F
3292.95 hours	SCR Maintenance	19 %	Low	3293.55 hours	Regeneration Completed	23 %	99 Deg F	136 Deg F
3353.56 hours	SCR Maintenance	30 %	Low	3354.13 hours	Regeneration Completed	20 %	82 Deg F	104 Deg F
3402.01 hours	Service Tool	24 %	High	3402.16 hours	Regeneration Completed	23 %	75 Deg F	165 Deg F
3416.45 hours	SCR Maintenance	22 %	Low	3416.51 hours	Diesel Oxidation Catalyst Intake Temperature Low - Temporary Lock Out	24 %	64 Deg F	61 Deg F
3416.60 hours	SCR Maintenance	23 %	Low	3417.21 hours	Regeneration Completed	14 %	70 Deg F	133 Deg F

Average Hydrocarbon Dosing Fuel Adjustment Factor	Hydrocarbon Dosing Peak Fuel Temperature	Hydrocarbon Dosing Peak DPF Intake Temperature	Hydrocarbon Dosing Peak SCR Intake Temperature	Average Engine Speed	Engine Speed Deviation	Average Engine Load	Engine Load Deviation	Average DPF #1 Intake Temperature
0.16	104 Deg F	1101 Deg F	1042 Deg F	1590 rpm	210 rpm	53 %	27 %	988 Deg F
0.19	108 Deg F	1026 Deg F	988 Deg F	1680 rpm	170 rpm	53 %	29 %	977 Deg F

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0.22	126 Deg F	1004 Deg F	977 Deg F	1750 rpm	30 rpm	62 %	28 %	966 Deg F
0.08	104 Deg F	1031 Deg F	993 Deg F	1590 rpm	200 rpm	61 %	30 %	988 Deg F
0.14	126 Deg F	1090 Deg F	1036 Deg F	1630 rpm	260 rpm	52 %	33 %	988 Deg F
0.13	122 Deg F	1031 Deg F	1004 Deg F	1680 rpm	160 rpm	47 %	26 %	988 Deg F
-0.08	93 Deg F	1031 Deg F	993 Deg F	1590 rpm	210 rpm	41 %	27 %	982 Deg F
0.16	158 Deg F	1080 Deg F	1031 Deg F	1690 rpm	200 rpm	55 %	31 %	988 Deg F
0.02	133 Deg F	939 Deg F	885 Deg F	1610 rpm	40 rpm	57 %	29 %	896 Deg F
0.04	136 Deg F	999 Deg F	880 Deg F	1110 rpm	160 rpm	16 %	7 %	934 Deg F
0.10	129 Deg F	1112 Deg F	1053 Deg F	1420 rpm	260 rpm	35 %	25 %	982 Deg F
0.06	133 Deg F	1080 Deg F	1009 Deg F	1360 rpm	260 rpm	35 %	26 %	1004 Deg F
0.07	144 Deg F	1074 Deg F	1020 Deg F	1330 rpm	300 rpm	25 %	15 %	1004 Deg F
0.09	151 Deg F	1042 Deg F	999 Deg F	1550 rpm	110 rpm	49 %	27 %	977 Deg F
0.02	136 Deg F	1107 Deg F	1031 Deg F	1290 rpm	280 rpm	28 %	23 %	1020 Deg F
0.23	147 Deg F	1031 Deg F	988 Deg F	1470 rpm	50 rpm	61 %	25 %	966 Deg F
0.21	158 Deg F	1036 Deg F	988 Deg F	1630 rpm	60 rpm	54 %	28 %	966 Deg F
0.19	136 Deg F	1085 Deg F	1036 Deg F	1570 rpm	170 rpm	52 %	30 %	977 Deg F
0.00	93 Deg F	864 Deg F	745 Deg F	1650 rpm	20 rpm	35 %	16 %	864 Deg F
0.17	126 Deg F	1058 Deg F	1004 Deg F	1630 rpm	90 rpm	47 %	27 %	972 Deg F
0.04	126 Deg F	1063 Deg F	982 Deg F	1330 rpm	290 rpm	33 %	28 %	945 Deg F
0.18	133 Deg F	1074 Deg F	1009 Deg F	1610 rpm	140 rpm	56 %	29 %	982 Deg F
0.10	111 Deg F	1096 Deg F	1020 Deg F	1450 rpm	280 rpm	38 %	28 %	1004 Deg F
0.12	118 Deg F	1069 Deg F	1004 Deg F	1630 rpm	260 rpm	50 %	32 %	993 Deg F
-0.10	100 Deg F	1053 Deg F	1015 Deg F	1580 rpm	140 rpm	68 %	22 %	1015 Deg F
0.00	54 Deg F	945 Deg F	756 Deg F	1710 rpm	70 rpm	43 %	29 %	945 Deg F
-0.08	72 Deg F	1085 Deg F	993 Deg F	1090 rpm	120 rpm	19 %	18 %	1015 Deg F
-0.03	97 Deg F	1058 Deg F	1020 Deg F	1740 rpm	60 rpm	57 %	32 %	1026 Deg F
0.04	133 Deg F	1074 Deg F	1009 Deg F	1440 rpm	330 rpm	45 %	34 %	1009 Deg F

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0.09	126 Deg F	1063 Deg F	1009 Deg F	1650 rpm	220 rpm	46 %	28 %	982 Deg F
0.10	158 Deg F	1096 Deg F	1020 Deg F	1570 rpm	290 rpm	52 %	33 %	1004 Deg F
0.13	144 Deg F	1042 Deg F	999 Deg F	1700 rpm	160 rpm	60 %	32 %	993 Deg F
0.21	147 Deg F	1042 Deg F	988 Deg F	1630 rpm	250 rpm	50 %	33 %	972 Deg F
0.08	133 Deg F	1074 Deg F	982 Deg F	1220 rpm	270 rpm	30 %	23 %	988 Deg F
0.04	133 Deg F	1036 Deg F	1004 Deg F	1620 rpm	120 rpm	69 %	29 %	993 Deg F
0.14	154 Deg F	1112 Deg F	1031 Deg F	1450 rpm	340 rpm	37 %	28 %	993 Deg F
0.14	126 Deg F	1085 Deg F	1026 Deg F	1490 rpm	330 rpm	34 %	26 %	999 Deg F
-0.12	122 Deg F	1009 Deg F	950 Deg F	1650 rpm	0 rpm	15 %	0 %	977 Deg F
0.01	108 Deg F	982 Deg F	912 Deg F	1550 rpm	20 rpm	36 %	26 %	918 Deg F
0.08	129 Deg F	1090 Deg F	1036 Deg F	1450 rpm	350 rpm	31 %	28 %	1020 Deg F

Average Intake Manifold Air Temperature
95 Deg F
102 Deg F
111 Deg F
99 Deg F
111 Deg F
108 Deg F
97 Deg F
115 Deg F
117 Deg F
91 Deg F
108 Deg F
102 Deg F
113 Deg F
126 Deg F
106 Deg F
126 Deg F
122 Deg F
120 Deg F
106 Deg F
109 Deg F
104 Deg F
113 Deg F
104 Deg F
108 Deg F
106 Deg F
86 Deg F

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81 Deg F
99 Deg F
102 Deg F
102 Deg F
122 Deg F
111 Deg F
122 Deg F
117 Deg F
117 Deg F
122 Deg F
111 Deg F
90 Deg F
82 Deg F
91 Deg F

Service Test History - C7.1 (J7A27240)

Service Test Name	Total Operating Hours	Service Test Error ID	Service Test Status
Aftertreatment Regeneration System Test	3401.1 hours	0000	Complete
Aftertreatment System Functional Test	3401.2 hours	0000	Complete
Aftertreatment System Functional Test	3401.9 hours	0000	Complete
Aftertreatment Regeneration System Test	3401.9 hours	0000	Complete
Fuel Rail Pressure Test	3401.9 hours	0000	Complete
Manual Hydrocarbon Dosing Capability Test	3402.1 hours	0000	Complete
Aftertreatment System Functional Test	3406.2 hours	0000	Complete
Fuel Rail Pressure Test	3406.2 hours	0000	Complete
Aftertreatment Regeneration System Test	3406.3 hours	0000	Complete

Port Statistics Snapshot - C7.1 (J7A27240)

J3A:1 J3A:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	1298
Number of Received Octets	1746
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up

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Number of Outbound Error Packets	0

Implement Control #2 (MFJ20254)

Parameter	Value
Product ID	MFJ20254
ECM Part Number	4899456-06
ECM Serial Number	220616003017000D
Software Group Part Number	6622316-00
Software Group Release Date	MAY2025
Software Group Description	HEX CONTROL SECONDARY
Grade Control Module Serial Number	
Grade Control Module Software Group Part Number	
Grade Control Module Hardware Part Number	
Grade Control Module Software Group Release Date	
Grade Control Module Software Group Version	
Grade Control Display Serial Number	
Grade Control Display Software Version	
Boom Angle Sensor Hardware Part Number	Unavailable
Boom Angle Sensor Serial Number	Unavailable
Boom Angle Sensor Software Group Part Number	Unavailable
Stick Angle Sensor Hardware Part Number	Unavailable
Stick Angle Sensor Serial Number	Unavailable
Stick Angle Sensor Software Group Part Number	Unavailable
Fore Boom Angle Sensor Hardware Part Number	Unavailable
Fore Boom Angle Sensor Serial Number	Unavailable
Fore Boom Angle Sensor Software Group Part Number	Unavailable
Chassis Angle Sensor Hardware Part Number	Unavailable
Chassis Angle Sensor Serial Number	Unavailable
Chassis Angle Sensor Software Group Part Number	Unavailable
Cab Riser Linkage Angle Sensor Hardware Part Number	Unavailable
Cab Riser Linkage Angle Sensor Serial Number	Unavailable
Cab Riser Linkage Angle Sensor Software Group Part Number	Unavailable
Bucket Angle Sensor Hardware Part Number	Unavailable
Bucket Angle Sensor Serial Number	Unavailable
Bucket Angle Sensor Software Group Part Number	Unavailable
Tilt Bucket Angle Sensor Hardware Part Number	Unavailable
Tilt Bucket Angle Sensor Serial Number	Unavailable
Tilt Bucket Angle Sensor Software Group Part Number	Unavailable

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Logged Diagnostic Codes [Diagnostic Clock = 3427 hours] - Implement Control #2 (MFJ20254)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 3427 hours] - Implement Control #2 (MFJ20254)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Implement Control #2 (MFJ20254)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Implement Control #2 (MFJ20254)

Code	Description
No Active Events	

System Communication Status - Active Problems - Implement Control #2 (MFJ20254)

ECMs	Detected Problem	Data Link	Diagnostic Information
Error retrieving System Communication Status data			

System Communication Status - Inactive Problems - Implement Control #2 (MFJ20254)

ECMs	Detected Problem	Data Link	Diagnostic Information
Error retrieving System Communication Status data			

Current Totals - Implement Control #2 (MFJ20254)

Description	Value	Unit
Tool #1 Hours	0	hours
Tool #2 Hours	0	hours
Tool #3 Hours	0	hours
Tool #4 Hours	0	hours
Tool #5 Hours	0	hours
Tool #6 Hours	11	hours
Tool #7 Hours	0	hours
Tool #8 Hours	0	hours
Tool #9 Hours	0	hours
Tool #10 Hours	0	hours
Tool #11 Hours	0	hours
Tool #12 Hours	0	hours
Tool #13 Hours	0	hours
Tool #14 Hours	0	hours

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Tool #15 Hours	0	hours
Tool #16 Hours	0	hours
Tool #17 Hours	0	hours
Tool #18 Hours	0	hours
Tool #19 Hours	0	hours
Tool #20 Hours	0	hours
Total Boom Assist Function On Hours	163	hours
Total Bucket Assist Function On Hours	9	hours
Total Cab Avoidance Function On Hours	0	hours
Total Basic Display Grade Control Indicate Function Usage Hours	2281	hours
Total Payload Monitoring Function On Hours	158	hours
Total E-Fence Function On Hours	0	hours
Total Grade Assist Function On Hours	163	hours
Total Swing Assist Function On Hours	0	hours
Total Advanced Display Grade Control Indicate Function Usage Hours	2270	hours
Total Implement Ease Of Use Features Usage Hours	2381	hours
Total Lift Assist Function On Hours	24	hours
Total Advanced Grade Control System On Hours	0	hours
Total Third Party Grade Control System On Hours	0	hours

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Configuration - Implement Control #2 (MFJ20254)

Description	Value	Unit
Product ID	MFJ20254	
ECM Location Code	2	
Machine Application Configuration	Common - Electrical	
Variable Adjustable Boom Installation Status	Not Installed	
Blade Installation Status	Not Installed	
Tilt Function Valve Configuration	No Valve Controlled	
Attachment Valve #1 Configuration	One Way or Two Way - Pump #1	
Attachment Valve #2 Configuration	One Way or Two Way - Pump #2	
Attachment Valve #3 Configuration	Not Installed	
Attachment Valve #4 Configuration	Not Installed	
Attachment Valve #5 Configuration	Not Installed	
Attachment Valve #1 Combiner Configuration	Valve #2 Combined with Valve #1	
Variable Relief Valve #1 Configuration	Installed on Valve #1 Extend port	

Variable Relief Valve #2 Configuration	Installed on Valve #1 Retract port	
Multi-Function with Combined Attachments Automatic Control Installation	Installed	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	0	%
Work Tool Detection Enable Status	Disabled	
Attachment Valve #1 Float Valve Installation Status	Not Installed	
Attachment Valve #2 Float Valve Installation Status	Not Installed	
Joystick Handle Configuration	Modulation Handle	
Joystick Handle Thumbwheel Input Type	PWM	
Left Attachment Pedal Installation Status	Not Installed	
Undercarriage Length Configuration	Standard	
Crane Actual Load Adjustment	0	pound
Machine Undercarriage Configuration	Fixed Gauge Track	
Counterweight Weight	5.1	ton
Machine Track Configuration	Unavailable	
Grade Control System Installation Status	Installed	
Grade Control Indicate System Installation Status	Installed	
Third Party Grade Control System Installation Status	Not Installed	
Third Party Grade Control System Temporary Installation Status	Not Installed	
Work Tool Elevation Focus Point	Center	
Boom Cylinder Maximum Extension Length	3160.0	mm
Boom Cylinder Minimum Retraction Length	1855.0	mm
Stick Cylinder Maximum Extension Length	3880.0	mm
Stick Cylinder Minimum Retraction Length	2220.0	mm
Bucket Cylinder Maximum Extension Length	2892.0	mm
Bucket Cylinder Minimum Retraction Length	1736.0	mm
Boom to Center of Rotation Lateral Offset	-37	mm
Boom to Center of Rotation Reach Offset	160	mm
Machine Laser Sensor Installation Status	Not Installed	
Directional Heading Sensor Installation Status	Not Installed	
Heading Sensor Configuration	None	
Tiltrotator System Installation Status	Not Installed	
Work Tool Tilt Angle Sensor Configuration	External	
Tilt Bucket Angle Sensor Installation Status	Unavailable	
Third Party Tiltrotator System Installation Status	Not Installed	
Third Party Tiltrotator System Temporary Installation Status	Not Installed	
Production Measurement Level 2 Feature Installation Status	Not Installed	

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Production Measurement Level 2 Feature Temporary Installation Status	Not Installed	
Production Measurement Feature Installation Status	Installed	
Payload Correction Factor	100.00	%
Payload Zero Adjustment Weight	0.00	ton
Payload Stockpile Mode Enable Status	Disabled	
Payload Target Weight Audible Alarm Configuration	On	
Payload Last Pass Audible Alarm Configuration	On	
Payload Weight Calculation Acceptable Audible Alarm Configuration	On	
Payload System Re-zeroing Interval	0	hours
Telematics Enhanced Data Connector Enable Status	Disabled	
Crane Warning System Enable Status	Enabled	
Production Measurement Boom Axis Torque Estimation Coefficient	0.00	
Selected Production Measurement Boom Axis Torque Estimate Coefficient Index	0	
Crane User Defined Maximum Load	0.00	ton
Crane Enhanced Over Rated Capacity Travel Warning Enable Status	Disabled	
Advanced Grade Control System Installation Status	Not Installed	
Advanced Grade Control System Temporary Installation Status	Not Installed	
Semi-Automatic Excavator System Installation Status	Installed	
Grade Assist Boom Down Enable Configuration	Enabled	
Boom Assist Automatic Grade Assist Enable Configuration	Enabled	
Slope Assist Response Rate Start Up Setting	Medium	
Overcut Assist Enable Status	Enabled	
Overcut Assist Stick Out Enable Status	Enabled	
Overcut Assist Boom Down Response Rate Setting	Slow	
Tilt Assist Activation Height	600	mm
Tilt Assist Work Tool Auto Return to Level Enable Status	Disabled	
Tilt Assist Speed Setting	3	
Grade Assist Attachment Angle Adjustment	0.0	Deg
Virtual Fence System Installation Status	Installed	
Virtual Floor Enable Status	Disabled	
Operator Station Avoidance Armed Start Up Status	Disabled	
Operator Station Avoidance Top Height Offset	0	mm
Operator Station Avoidance Top Forward Offset	0	mm

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Operator Station Avoidance Bottom Forward Offset	0	mm
Virtual Ceiling Armed Start Up Status	Disabled	
Virtual Wall Forward Enable Status	Disabled	
Virtual Swing Wall Left Enable Status	Disabled	
Virtual Swing Wall Right Enable Status	Disabled	
Attachment Valve #1 Retract Minimum Solenoid Current	0.761	Amps
Attachment Valve #2 Retract Minimum Solenoid Current	0.763	Amps
Attachment Valve #4 Retract Minimum Solenoid Current	0.719	Amps
Attachment Valve #1 Extend Minimum Solenoid Current	0.737	Amps
Attachment Valve #2 Extend Minimum Solenoid Current	0.747	Amps
Attachment Valve #4 Extend Minimum Solenoid Current	0.719	Amps
Boom Calibration Angle Offset	-0.39	Deg
Stick Calibration Angle Offset	0.06	Deg
Bucket Linkage Angle Calibration Gain	104.00	%
Bucket Linkage Angle Calibration Offset	9.52	Deg
Swing Calibration Angle Offset	-115.65	Deg
Machine Pitch Calibration Offset	0.180	Deg
Machine Roll Calibration Offset	-0.090	Deg
Boom Fine Calibration Angle Offset at Machine Position #1	0.00	Deg
Boom Fine Calibration Angle Offset at Machine Position #2	0.00	Deg
Boom Fine Calibration Angle Offset at Machine Position #3	0.00	Deg
Boom Fine Calibration Angle Offset at Machine Position #4	0.00	Deg
Boom Fine Calibration Angle Offset at Machine Position #5	0.00	Deg
Stick Fine Calibration Angle Offset at Machine Position #1	0.00	Deg
Stick Fine Calibration Angle Offset at Machine Position #2	0.00	Deg
Stick Fine Calibration Angle Offset at Machine Position #3	0.00	Deg
Stick Fine Calibration Angle Offset at Machine Position #4	0.00	Deg
Stick Fine Calibration Angle Offset at Machine Position #5	0.00	Deg
Boom Fine Calibration Angle at Machine Position #1	0.00	Deg
Boom Fine Calibration Angle at Machine Position #2	0.00	Deg
Boom Fine Calibration Angle at Machine Position #3	0.00	Deg
Boom Fine Calibration Angle at Machine Position #4	0.00	Deg

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Boom Fine Calibration Angle at Machine Position #5	0.00	Deg
Stick Fine Calibration Angle at Machine Position #1	0.00	Deg
Stick Fine Calibration Angle at Machine Position #2	0.00	Deg
Stick Fine Calibration Angle at Machine Position #3	0.00	Deg
Stick Fine Calibration Angle at Machine Position #4	0.00	Deg
Stick Fine Calibration Angle at Machine Position #5	0.00	Deg
Length B-L	1203	mm
Length L-M	246	mm
Stick Centerline to Laser Catcher Distance	174	mm
Quick Coupler Position Sensor Configuration	Not Installed	
Bucket Linkage Position Sensor Configuration	Rotary Position Sensor	
Bucket Cylinder Installation Status	Installed	
Tiltrotator System Installation Status	Not Installed	
Tiltrotator System Temporary Installation Status	Not Installed	
Tiltrotator System Serial Number		
Tiltrotator ECM Software Part Number		
Active Upper Structure Component Index	1281	
Active Undercarriage Component Index	1543	
Active Boom Component Index	256	
Active Stick/Extendable Stick Component Index	514	
Active Crane Lifting Capacity Film Component Index	0	
Active Boom Cylinder Component Index	1793	
Active Stick Cylinder Component Index	2049	
Active Bucket Cylinder Component Index	2305	
Active Idler Link Component Index	768	
Active Power Link Component Index	1024	
Active Coupler Component Index	4353	
Active GPS Antenna Component Index	3073	
Active Bucket Linkage Group Component Index	768	
Operator Coaching Installation Status	Not Installed	
Operator Coaching Temporary Installation Status	Not Installed	
System Efficiency Monitoring Installation Status	Not Installed	
System Efficiency Monitoring Temporary Installation Status	Not Installed	
Shear Application Support Installation Status	Not Installed	
Default Work Tool Coupling #1 Index Number	Unavailable	

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Default Work Tool Coupling #2 Index Number	Unavailable	

Additional Information - Implement Control #2 (MFJ20254)

Description	Value	Unit
Tiltrotator Type Configuration Code	1	

Calibration Status - Implement Control #2 (MFJ20254)

Calibration	Status	Last Successful Completion
PRV - Variable Relief Pressure Calibration Solenoid 2	Success	1.1 hours
PRV - Variable Relief Pressure Calibration Solenoid 1	Success	1.1 hours
Pump #2 Flow Limitation Pressure Solenoid Calibration - Flow	Success	1.1 hours
Pump #1 Flow Limitation Pressure Solenoid Calibration - Flow	Success	1.1 hours
All Levers and Pedals Calibration	Success	0.2 hours
All Pumps with Pump Pressure Calibration	Unknown	Never Successfully Calibrated
All Implements with Pump Pressure Calibration	Success	1.1 hours
Directional Heading Sensor Calibration	Not Calibrated	Never Successfully Calibrated
Chassis Angle Sensor Calibration	Success	1.2 hours
Bucket Link Sensor Calibration	Success	11.0 hours
Blade Lower Solenoid	Not Calibrated	Never Successfully Calibrated
Blade Raise Solenoid	Not Calibrated	Never Successfully Calibrated
Attachment Valve #3 Retract	Not Calibrated	Never Successfully Calibrated
Attachment Valve #3 Extend	Not Calibrated	Never Successfully Calibrated
Analog Chassis Angle Sensor Calibration	Unknown	Never Successfully Calibrated

Job:Accumulated Occurrences vs Hammer Continuous Operation Time - Implement Control #2 (MFJ20254)

Hammer Continuous Operation Time(sec)	Count	%
0.0-4.9	522	36.73
5.0-9.9	526	37.02
10.0-14.9	280	19.70
15.0-19.9	72	5.07
20.0-24.9	16	1.13
25.0-29.9	3	0.21
30.0-35.0	2	0.14
>35.0	0	0.00

Lifetime:Accumulated Occurrences vs Quick Coupler Wedge Cycle Time Interval - Implement

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Control #2 (MFJ20254)

Quick Coupler Wedge Cycle Time Interval(hours)	Count	%
0.0-9.9	268	89.93
10.0-19.9	11	3.69
20.0-29.9	4	1.34
30.0-39.9	4	1.34
40.0-49.9	4	1.34
50.0-59.9	3	1.01
60.0-69.9	2	0.67
70.0-80.0	0	0.00
>80.0	2	0.67

Tool Configuration - Implement Control #2 (MFJ20254)

Active Tool : 54" 87-13619

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	

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Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	

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Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%

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Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	

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Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	**BUCKET**	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		

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Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	

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Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%

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Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	

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Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		

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Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec

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Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%

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Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

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Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi

Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	

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Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%

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Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg

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Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	

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Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	

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Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%

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Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	

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Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	72" 87-13621	
Tool Program Tool Type	Tilt Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #2	
Multi-Function with Combined Attachments Automatic Control Enable	Enabled	
Multi-Function with Combined Attachments Automatic Extend Operation	5	
Multi-Function with Combined Attachments Automatic Retract Operation	5	
Variable Relief Valve #1 Pressure	3481	psi
Variable Relief Valve #2 Pressure	3481	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Enabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Enabled	

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Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp	11/7/2022 12:00:00 AM	
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Angle Sensor Mount Orientation	Rear Right	
Combined Work Tool Weight	2557	pound
Production Measurement Feature Enable Status	Enabled	
Lift Assist Enable Status	Enabled	
Slope Assist Enable Status	Enabled	
Virtual Fence System Enable Status	Enabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	

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Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	10.6	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	10.6	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	348	psi
Attachment Valve #1 Maximum Retract Pressure	348	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	23.01	%
Assist Boom Retract Lever Offset Calibration	-23.93	%
Assist Stick Extend Lever Offset Calibration	21.12	%
Assist Stick Retract Lever Offset Calibration	-21.56	%
Assist Bucket Extend Lever Offset Calibration	21.16	%
Assist Bucket Retract Lever Offset Calibration	-19.75	%
Assist Swing Left Lever Offset Calibration	-16.83	%
Assist Swing Right Lever Offset Calibration	15.52	%
Assist Tilt Left Lever Offset Calibration	-19.37	%
Assist Tilt Right Lever Offset Calibration	21.80	%
Assist Boom Extend Lever Offset #2 Calibration	26.71	%
Boom Raise Assist Modulation Scale Factor	0.00	%
Boom Lower Assist Modulation Scale Factor	0.00	%

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Stick In Boom Raise Assist Initial Delay Adjustment	0.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	0.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	0.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	0.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	0.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	497	mm
Length G-J	1951	mm
Length G-Q	1747	mm
Length J-Q	908	mm
Length G1-H1	0	mm
Length G1-J	0	mm
Length G1-Q	0	mm
Length H1-Q	0	mm
Length J-Z	655	mm
Maximum Work Tool Width	1814	mm
Default Cutting Edge Bolts to Cutting Edge Length	335	mm
Cutting Edge Bolts to Cutting Edge Length	13	inches
Angle H-G-J	98.5	Deg
Angle G-J-J1	71.2	Deg
Length K-J	1250	mm
Tilt Bucket Angle Sensor Calibration Offset	0.81	Deg
Angle G-K2-K	3.6	Deg
Angle K-J-J1	76.2	Deg
Number of Bucket Teeth	0	
Maximum Work Tool Tilt Angle Left Side High Position	0.00	Deg
Maximum Work Tool Tilt Angle Right Side High Position	0.00	Deg
Left Joystick Thumbwheel Control Mode	No Valve Controlled	

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Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	Momentary - Valve #1 Extend	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Reverse	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	

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Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	

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Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%

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Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	

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Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	

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Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min

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Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%

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Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	

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Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		

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Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi

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Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches

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Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	

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Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	

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Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%

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Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm

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Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	

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Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	

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Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%

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Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	

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Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	

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Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min

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Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%

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Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

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Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		

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Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	

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Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%

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Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	

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Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		

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Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec

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Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%

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Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

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Description	Value	Unit
Tool Program Name	**54" 87-13619**	**Active**
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Enabled	
Multi-Function with Combined Attachments Automatic Extend Operation	5	

Multi-Function with Combined Attachments Automatic Retract Operation	5	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Enabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp	11/2/2022 12:00:00 AM	
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	1984	pound
Production Measurement Feature Enable Status	Enabled	
Lift Assist Enable Status	Enabled	
Slope Assist Enable Status	Enabled	
Virtual Fence System Enable Status	Enabled	

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Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	21.06	%
Assist Boom Retract Lever Offset Calibration	-28.00	%
Assist Stick Extend Lever Offset Calibration	21.65	%

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Assist Stick Retract Lever Offset Calibration	-20.81	%
Assist Bucket Extend Lever Offset Calibration	21.47	%
Assist Bucket Retract Lever Offset Calibration	-19.99	%
Assist Swing Left Lever Offset Calibration	-17.22	%
Assist Swing Right Lever Offset Calibration	16.71	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	24.00	%
Boom Raise Assist Modulation Scale Factor	0.00	%
Boom Lower Assist Modulation Scale Factor	0.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	0.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	0.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	0.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	0.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	0.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	495	mm
Length G-J	1880	mm
Length G-Q	1375	mm
Length J-Q	1850	mm
Length J-Z	1250	mm
Maximum Work Tool Width	1410	mm
Default Cutting Edge Bolts to Cutting Edge Length	650	mm
Cutting Edge Bolts to Cutting Edge Length	26	inches

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Angle H-G-J	107.5	Deg
Angle G-J-J1	56.6	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Disabled	
Tool Program Work Tool Default Status	Unavailable	

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Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	6834	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	

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Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	0.00	%
Assist Boom Retract Lever Offset Calibration	0.00	%
Assist Stick Extend Lever Offset Calibration	0.00	%
Assist Stick Retract Lever Offset Calibration	0.00	%
Assist Bucket Extend Lever Offset Calibration	0.00	%
Assist Bucket Retract Lever Offset Calibration	0.00	%
Assist Swing Left Lever Offset Calibration	0.00	%
Assist Swing Right Lever Offset Calibration	0.00	%
Assist Tilt Left Lever Offset Calibration	0.00	%

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Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	0.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	

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Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	BUCKET	
Tool Program Tool Type	Bucket	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Enabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	

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Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	1984	pound
Production Measurement Feature Enable Status	Enabled	
Lift Assist Enable Status	Enabled	
Slope Assist Enable Status	Enabled	
Virtual Fence System Enable Status	Enabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min

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Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	21.06	%
Assist Boom Retract Lever Offset Calibration	-24.82	%
Assist Stick Extend Lever Offset Calibration	21.65	%
Assist Stick Retract Lever Offset Calibration	-20.81	%
Assist Bucket Extend Lever Offset Calibration	21.47	%
Assist Bucket Retract Lever Offset Calibration	-19.99	%
Assist Swing Left Lever Offset Calibration	-17.22	%
Assist Swing Right Lever Offset Calibration	16.71	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	24.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%

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Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Bucket Configuration	Bucket	
Length G-H	0	mm
Length G-J	0	mm
Length G-Q	0	mm
Length J-Q	0	mm
Length J-Z	0	mm
Maximum Work Tool Width	0	mm
Default Cutting Edge Bolts to Cutting Edge Length	0	mm
Angle H-G-J	0.0	Deg
Angle G-J-J1	0.0	Deg
Number of Bucket Teeth	0	
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

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Description	Value	Unit
Tool Program Name	QC Only	
Tool Program Tool Type	Quick Coupler Lifting Hook/Eye	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Enabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Pump #1	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane Lifting Point Configuration	Power Link	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		

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Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	1984	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Enabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Enabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	0.0	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	0.0	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	

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Attachment Valve #1 Maximum Extend Pressure	0	psi
Attachment Valve #1 Maximum Retract Pressure	0	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Assist Boom Extend Lever Offset Calibration	21.06	%
Assist Boom Retract Lever Offset Calibration	-24.82	%
Assist Stick Extend Lever Offset Calibration	21.65	%
Assist Stick Retract Lever Offset Calibration	-20.81	%
Assist Bucket Extend Lever Offset Calibration	21.47	%
Assist Bucket Retract Lever Offset Calibration	-19.99	%
Assist Swing Left Lever Offset Calibration	-17.22	%
Assist Swing Right Lever Offset Calibration	16.71	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	24.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%

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Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Length G-H	495	mm
Length G-J	340	mm
Length G-Q	950	mm
Length J-Q	888	mm
Maximum Work Tool Width	550	mm
Angle H-G-J	82.9	Deg
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	No Valve Controlled	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	No Valve Controlled	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	2P1WAY	
Tool Program Tool Type	Other	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Disabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	

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Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	3046	psi
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	
Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	1984	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	

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Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	
Tool Program Attachment Valve #1 Extend Maximum Flow Setting	42.3	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	One Way	
Attachment Valve #1 Maximum Extend Pressure	348	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #2 Maximum Extend Pressure	348	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	348	psi
Attachment Valve #2 Open Time	0.20	sec
Attachment Valve #2 Close Time	0.20	sec
Assist Boom Extend Lever Offset Calibration	21.06	%
Assist Boom Retract Lever Offset Calibration	-24.82	%

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Assist Stick Extend Lever Offset Calibration	21.65	%
Assist Stick Retract Lever Offset Calibration	-20.81	%
Assist Bucket Extend Lever Offset Calibration	21.47	%
Assist Bucket Retract Lever Offset Calibration	-19.99	%
Assist Swing Left Lever Offset Calibration	-17.22	%
Assist Swing Right Lever Offset Calibration	16.71	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	24.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%

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Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	Momentary - Valve #1 Extend	

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Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	
Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Description	Value	Unit
Tool Program Name	2P2WAY	
Tool Program Tool Type	Other	
Tool Program Combined Work Tool MAC Address	00:00:00:00:00:00	
Tool Program Combined Work Tool Part Number	0000000	
Fuel Economy Mode Enable Status	Enabled	
Automatic Hydraulic Power Mode Enable Status	Disabled	
Minimum Throttle Dial Position	1	
Tool Program Pump Flow Control Mode	Combined Flow	
Multi-Function with Combined Attachments Automatic Control Enable	Disabled	
Variable Relief Valve #1 Pressure	5802	psi
Variable Relief Valve #2 Pressure	5802	psi
Enhanced Multiple Operation Attachment Valve Limit Enable Status	Disabled	
Tool Program Hydraulic Temperature High Warning Event Threshold	258.8	Deg F
Tool Program Display Enable Status	Enabled	
Tool Program Work Tool Default Status	Unavailable	
Tool Program Hydraulic Pump High Pressure Cut Off Enable Status	Disabled	
Crane System Enable Status	Disabled	
Grade Control System Enable Status	Disabled	
Tool Program Work Tool Manual Measure Up Enable Status	Enabled	

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Selected Work Tool Coupling #1 Index Number	0	
Selected Work Tool Coupling #2 Index Number	0	
Selected Work Tool Attachment Index Number	0	
Tool Program Production Measurement Last Successful Calibration Timestamp		
Tool Program Work Tool Calculated Measure Up Last Successful Timestamp		
Tool Program E-Fence Last Successful Calibration Timestamp		
Tool Program Assist Last Successful Calibration Timestamp		
Tool Program Work Tool Manual Measure Up Last Successful Timestamp		
Tool Tip Last Successful Calibration Timestamp		
Combined Work Tool Weight	1984	pound
Production Measurement Feature Enable Status	Disabled	
Lift Assist Enable Status	Disabled	
Slope Assist Enable Status	Disabled	
Virtual Fence System Enable Status	Disabled	
Tool Program E-Fence Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Production Measurement Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Crane System Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Assist Last Successful Calibration Boom Configuration	Not Configured	
Tool Program Lift Assist Last Successful Calibration Boom Configuration	Not Configured	
Boom Raise Priority Setting	5	
Boom Lower Priority Setting	5	
Stick In Priority Setting	5	
Stick Out Priority Setting	5	
Bucket Open Priority Setting	5	
Bucket Close Priority Setting	5	
Swing Priority Setting	5	
Travel Lever Priority Setting	5	
Attachment #1 Priority Setting	5	

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Tool Program Attachment Valve #1 Extend Maximum Flow Setting	42.3	gal/min
Tool Program Attachment Valve #1 Retract Maximum Flow Setting	42.3	gal/min
Attachment Valve #1 Multi-Operation Additional Flow	0	gal/min
Tool Program Attachment Valve #1 One Way/ Two Way Valve Mode	Two Way	
Attachment Valve #1 Maximum Extend Pressure	348	psi
Attachment Valve #1 Maximum Retract Pressure	348	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	348	psi
Attachment Valve #1 Open Time	0.20	sec
Attachment Valve #1 Close Time	0.20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #2 Maximum Extend Pressure	348	psi
Attachment Valve #2 Maximum Retract Pressure	348	psi
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #2	348	psi
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #2	348	psi
Attachment Valve #2 Open Time	0.20	sec
Attachment Valve #2 Close Time	0.20	sec
Assist Boom Extend Lever Offset Calibration	21.06	%
Assist Boom Retract Lever Offset Calibration	-24.82	%
Assist Stick Extend Lever Offset Calibration	21.65	%
Assist Stick Retract Lever Offset Calibration	-20.81	%
Assist Bucket Extend Lever Offset Calibration	21.47	%
Assist Bucket Retract Lever Offset Calibration	-19.99	%
Assist Swing Left Lever Offset Calibration	-17.22	%

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Assist Swing Right Lever Offset Calibration	16.71	%
Assist Tilt Left Lever Offset Calibration	0.00	%
Assist Tilt Right Lever Offset Calibration	0.00	%
Assist Boom Extend Lever Offset #2 Calibration	24.00	%
Boom Raise Assist Modulation Scale Factor	100.00	%
Boom Lower Assist Modulation Scale Factor	100.00	%
Stick In Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick In Boom Raise Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick In Boom Raise Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Raise Assist Initial Delay Adjustment	100.00	%
Stick Out Boom Lower Assist Increasing Boom Cylinder Velocity Gain	100.00	%
Stick Out Boom Lower Assist Decreasing Boom Cylinder Velocity Gain	100.00	%
Tool Program Grade Assist Response Gain Setting	5	
Desired Grade Elevation Deviation Offset	0	inches
Grade Assist Stick In Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Maximum Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick In Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick In Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Raise Middle Velocity Command Gain Percentage	100.00	%

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Grade Assist Stick Out Boom Raise Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Boom Lower Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Curl Maximum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Initiation Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Minimum Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Middle Velocity Command Gain Percentage	100.00	%
Grade Assist Stick Out Bucket Dump Maximum Velocity Command Gain Percentage	100.00	%
Left Joystick Thumbwheel Control Mode	No Valve Controlled	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Joystick Switch #2 Control Mode	No Valve Controlled	
Left Joystick Switch #3 Control Mode	Momentary - Valve #1 Extend	
Left Joystick Switch #4 Control Mode	No Valve Controlled	
Right Joystick Switch #1 Control Mode	No Valve Controlled	
Right Joystick Switch #2 Control Mode	No Valve Controlled	
Right Joystick Switch #3 Control Mode	No Valve Controlled	

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Right Joystick Switch #4 Control Mode	No Valve Controlled	
Tilt Control Input Direction	Normal	

Coupling Tool Configuration - Implement Control #2 (MFJ20254)

Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	1	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	2	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	3	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	4	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	5	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	6	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Coupling Name		

Work Tool Coupling Index Number	7	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	8	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	9	
Work Tool Coupling Type	None	
Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Coupling Name		
Work Tool Coupling Index Number	10	
Work Tool Coupling Type	None	

Tool Program Coupler System MAC Address	00:00:00:00:00:00	
Tool Program Coupler System Part Number	0000000	
Work Tool Coupling Weight	0	pound
Tool Program Work Tool Coupler Default Status	Unavailable	
Work Tool Coupling Measure Up Last Successful Timestamp		

Attachment Tool Configuration - Implement Control #2 (MFJ20254)

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	1	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	2	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	3	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	4	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	5	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	6	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	7	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	

Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	8	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	9	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	10	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		

Work Tool Attachment Index Number	11	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	12	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	13	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	14	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	

Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	15	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	16	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

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Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	17	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	18	
Work Tool Attachment Type	None	

Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	19	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

Description	Value	Unit
Work Tool Attachment Name		
Work Tool Attachment Index Number	20	
Work Tool Attachment Type	None	
Tool Program MAC address	00:00:00:00:00:00	
Tool Program Part Number	0000000	
Tool Program Work Tool Mass	6834	pound
Tool Program Work Tool Attachment Default Status	Unavailable	
Work Tool Attachment Measure Up Last Successful Timestamp		

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Linkage Configuration - Implement Control #2 (MFJ20254)

Boom Linkage - 527-2203

From	To	Distance
A	B	5900.0 mm
A	X	2535.0 mm
B	X	3715.0 mm
A	R	3432.0 mm
B	R	2991.0 mm
A	T	2675.0 mm
B	T	3812.0 mm

Stick Linkage - 527-2208

From	To	Distance

B	C	788.0 mm
B	D	2470.0 mm
B	G	2950.0 mm
B	S	980.0 mm
C	D	2327.0 mm
C	G	2797.0 mm
C	S	1239.0 mm
D	G	481.0 mm
B	L	1203.0 mm
L	M	246.0 mm

Bucket Group Linkage - 533-5001

From	To	Distance
D	F	685.0 mm
F	H	640.0 mm

Upper Structure - HRC 326 4.6T

Undercarriage - 527-5575

Boom Cylinder - 527-1854

Stick Cylinder - 527-5467

Bucket Cylinder - 527-5475

GPS Antenna - STD

Port Statistics Snapshot - Implement Control #2 (MFJ20254)

Port Statistics Snapshot
Data Unavailable

Monitor System

Parameter	Value
ECM Part Number	5845632-01
Software Group Part Number	6650071-00
Software Group Release Date	Jun2025
Software Group Description	HEX MONITOR
Operation and Maintenance Manual Software Part Number	6149581-00
Rear Camera Hardware Part Number	Unavailable
Front Camera Hardware Part Number	Unavailable
Left Camera Hardware Part Number	Unavailable
Right Camera Hardware Part Number	Unavailable
Rear Camera Software Group Part Number	Unavailable
Left Camera Software Group Part Number	Unavailable
Right Camera Software Group Part Number	Unavailable
Front Camera Software Group Part Number	Unavailable

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Logged Diagnostic Codes - Monitor System

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes - Monitor System

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Monitor System

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Monitor System

Code	Description
No Active Events	

System Communication Status - Active Problems - Monitor System

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

System Communication Status - Inactive Problems - Monitor System

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

Configuration - Monitor System

Description	Value	Unit
Display Service Password		

Port Statistics Snapshot - Monitor System

W:34 W:35

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

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W:18 W:19

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:14 W:15

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	107352
Number of Received Octets	12193019744
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

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W:11 W:12

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	110076
Number of Received Octets	18151942806
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:1 W:2 W:3 W:4

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0

Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:6 W:7 W:8 W:9

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	99786
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

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