

Parameters

Parameter (changeable items in dark print)	Value	Units	Minimum	Maximum	C
CPC2					
PGR001 Communication					
Engine CAN One Wire Capability	Enable One...				(
Engine CAN Limp Home Mode	limp home sp...				(
PGR002 Vehicle Parameters I					
Transmission Type	Manual, witho...				(
Drive Off Function	drive off functi...				(
PGR003 Common Limiters					
Min Engine Speed	592	rpm	0	4000	(
Max Engine Speed	3000	rpm	0	4000	(
Max Road Speed	94.4	mph	6.2	94.4	(
Max Engine Torque	3687.8	ft-lb	0.0	3687.8	(
Eng Speed Limit While Veh Stop	3000	rpm	0	4000	(
Single Step Adjusted Idle Spd	16	rpm	0	100	(
Ramp Rate Adjusted Idle Spd	100.0	(1/min)/s	0.0	8191.9	(
Max Adjusted Idle Speed	850	rpm	0	4000	(
Max Road Speed for Idle Adjust	6.2	mph	0.0	29.8	(
Minimum TSC1 Under Speed	550	rpm	0	4000	(
TSC1 Under Speed Enable	enable				(
PGR005 Limiters LIM0 and LIM1					
Limiter0 Min Eng Speed Enabled	500	rpm	0	4000	(
Limiter0 Max Eng Speed Enabled	4000	rpm	0	4000	(
Limiter0 Max Road Spd Enabled	94.4	mph	0.0	94.4	(
Limiter0 Max Eng Trq Enabled	3687.8	ft-lb	0.0	3687.8	(
Limiter1 Min Eng Speed Enabled	500	rpm	0	4000	(
Limiter1 Max Eng Speed Enabled	4000	rpm	0	4000	(
Limiter1 Max Road Spd Enabled	94.4	mph	0.0	94.4	(
Limiter1 Max Eng Trq Enabled	3687.8	ft-lb	0.0	3687.8	(
Limiter0 Max Vehicle Accel	10.000	m/ss	-15.625	15.625	(
Limiter1 Max Vehicle Accel	10.000		-15.625	15.625	(
Limiter0 Max Trq Curve Select	PLD torque c...				(
PGR006 Limiters AC and LIM2					
Mode of AC Status Input	AC active open				(
Fast Idle Spd Air Cond Input	600	rpm	500	3000	(
PGR007 PTO Control on PTO and CC pin					
Config PTO Speed Control	disabled				(
Max PTO Spd Resume Accel Sw	3000	rpm	500	3000	(
Min PTO Spd Set Coast Sw	500	rpm	500	3000	(
PTO Throttle Override Enable	Enable engin...				(
Throttle Override Max Eng Spd	3000	rpm	0	3000	(
PTO Dropout Serv Brk Prk Brk	No PTO drop...				(
PTO Dropout on Clutch Enabled	No PTO drop...				(
Max Road Speed in PTO Mode	6.2	mph	0.0	79.5	(
Set Coast Switch PTO Set Speed	500	rpm	0	3000	(
Set Coast Max PTO Torque	3687.8	ft-lb	0.0	3687.8	(
Resume Accel Sw PTO Set Spd	500	rpm	0	3000	(

Parameters (continued)

Parameter	Value	Units	Minimum	Maximum	C
Resume Accel Max PTO Torque	3687.8	ft-lb	0.0	3687.8	(
PTO Ramp Rate	200	(1/min)/s	25	2500	(
No of Speeds via Remote PTO	1		1	3	(
Spd 1 via Remote PTO	950	rpm	500	3000	(
Spd 1 Max Eng Trq Remote PTO	3687.8	ft-lb	0.0	3687.8	(
Spd 2 via Remote PTO	1250	rpm	500	3000	(
Spd 2 Max Eng Trq Remote PTO	3687.8	ft-lb	0.0	3687.8	(
Spd 3 via Remote PTO	1850	rpm	500	3000	(
Spd 3 Max Eng Trq Remote PTO	3687.8	ft-lb	0.0	3687.8	(
PGR008 Vehicle Speed Sensor					
Vehicle Speed Sensor	magnetic pick...				(
Axle Ratio	5.290		1.000	20.000	(
Number of Output Shaft Teeth	16		0	250	(
Tire Revs per Unit Distance	502	1/mile	257	2573	(
Top Gear Ratio	1.000		0.099	2.549	(
Second Highest Gear Ratio	2.550		0.000	5.750	(
Two Spd Axle Second Axle Ratio	5.290		1.000	20.000	(
Anti Tamper	disabled				(
PGR010 Engine Brake					
Service Brk Enable Eng Brakes	disable				(
Min Road Spd Eng Brk Operation	0.0	mph	0.0	124.3	(
Cruise Control Enable Eng Brk	disable				(
Low Eng Brk Max Cruise RSL Spd	3.2	mph	0.0	29.8	(
Med Eng Brk Max Cruise RSL Spd	4.5	mph	0.0	29.8	(
Hi Eng Brk Max Cruise RSL Spd	6.2	mph	0.0	29.8	(
Low Eng Brk Min Cruise RSL Spd	1.2	mph	0.0	29.8	(
Med Eng Brk Min Cruise RSL Spd	3.2	mph	0.0	29.8	(
Hi Eng Brk Min Cruise RSL Spd	3.7	mph	0.0	29.8	(
Cruise RSL Eng Brk Mode Select	vehicle overs...				(
PGR012 Optimized Idle					
Optimized Idle Enable	disabled				(
OI Target Engine RPM ae 0	1100	rpm	800	1100	(
OI Target Engine RPM ae 1	1100	rpm	800	1100	(
OI Target Engine RPM ae 2	1100	rpm	800	1100	(
OI Target Engine RPM ae 3	1100	rpm	800	1100	(
OI Target Engine RPM ae 4	1100	rpm	800	1100	(
OI Upper Limit Continuous Run	90	°F	-40	212	(
OI Thermostat Max Time	0	s	0	459000	(
OI Extended Mode Disable	enable				(
OI Alternate Battery Run Time	0	s	0	30600	(
OI Continuous Batt Time Enable	disabled				(
OI Variable Volt Thresh Enable	disabled				(
OI Lower Limit Continuous Run	25	°F	-40	212	(
PGR013 Inputs					
Service Brake Switch Config	hardwired				(
Trans Neutral Input Config	hardwired				(

Parameters (continued)

Parameter	Value	Units	Minimum	Maximum	C
Park Brake Switch Config	hardwired				(
CC ON OFF Switch Config	hardwired				(
CC Set Cst Res Accel Sw Config	hardwired				(
CC Pause Switch Config	disabled				(
2nd Axle Speed Switch Config	hardwired				(
Clutch Switch Config	no clutch swit...				(
Engine Brake Switch Config	hardwired				(
1 01 DI Selection	disable				(
1 02 DI Selection	enable park b...				(
4 18 DI Selection	disable				(
4 13 DI Selection	disable				(
1 10 DI Selection	disable				(
3 01 AI Selection	no sensor				(
4 17 DI Selection	DPF regenera...				(
Cab PTO Switch Config	hardwired				(
4 08 DI Selection	clutch switch				(
PGR015 Cruise Control					
Min Cruise Set Speed	19.9	mph	9.9	94.4	(
Max Cruise Set Speed	94.4	mph	29.8	94.4	(
Increment Cruise Set Speed	1.0	mph	0.0	6.2	(
Decrement Cruise Set Speed	1.0	mph	0.0	6.2	(
Enable Cruise Auto Resume	disable				(
Cruise Power	high power on...				(
PGR017 Idle and PTO Shutdown					
Enable Idle Shutdown	disable				(
Idle Shutdown Time	60	s	1	5000	(
Enable PTO Shutdown	disable				(
PTO Shutdown Time	60	s	1	5000	(
Max Engine Load PTO Shutdown	73.8	ft-lb	0.0	3687.8	(
Min Coolant Temp	50	°F	-40	392	(
Enable Idle PTO Shtdn Override	enabled, allo...				(
Lo Amb Air Override Temp	25	°F	-40	167	(
Hi Amb Air Override Temp	90	°F	-40	167	(
Idle Shutdown Auto Override	no automatic...				(
PGR018 Engine Protection Shutdown					
Coolant Temp Eng Protect Shtdn	engine shutdo...				(
Cool Level Eng Protect Shtdn	engine shutdo...				(
Oil Press Eng Protect Shtdn	engine shutdo...				(
Oil Level Eng Protect Shtdn	engine shutdo...				(
Type #1 Eng Shtdn Enable	engine shutdo...				(
Type #2 Eng Shtdn Enable	engine shutdo...				(
PGR019 Automatic Fan Activation					
Eng Brake Enable Auto Fan	disable				(
Air Condition Enable Auto Fan	enable				(
PTO Enable Auto Fan Activation	disable				(
Hold Time Fan	10.00	s	0.00	600.00	(

Parameters (continued)

Parameter	Value	Units	Minimum	Maximum	C
PGR020 Remote Accelerator Pedal					
Remote Accelerator Enable	disable				(
PGR023 Limiters II					
Torque Factor Gear Dwn Protect	1.000		0.000	1.000	(
Gear Ratio Gear Down Protect	0.010		0.000	2.000	(
Torque Factor High Gear Power	1.000		0.000	1.000	(
Gear Ratio for High Gear Power	0.020		0.000	2.000	(
PasSmart Enable	disabled				(
Fuel Economy Incentive Enable	disabled				(
PS Pass Speed Increment	0.0	mph	0.0	155.3	(
PS Pass Speed Duration	0	min	0	255	(
PS Pass Speed Interval	8	h	1	24	(
FEI Max Vehicle Speed Reward	0.0	mph	0.0	12.4	(
FEI Minimum Fuel Economy	7.0	mpg	4.0	20.0	(
FEI Conversion Factor	2.0	mph/mpg	0.0	20.0	(
FEI Use Trip Mileage	based on filter...				(
AL Conditions	AL permanent...				(
Progressive Shift Enable	disabled				(
PS Low Gear 2 RPM Limit	1600	rpm	0	4000	(
PS Low Gear 1 Max RPM Limit	1800	rpm	0	4000	(
PS Low Gear 1 Max Vehicle Spd	11.9	mph	0.0	155.3	(
PS Low Gear 2 Max RPM Limit	1800	rpm	0	4000	(
PS Low Gear 2 Max Vehicle Spd	27.1	mph	0.0	155.3	(
PS High Gear RPM Limit	1650	rpm	0	4000	(
PS High Gear On Vehicle Spd	50.0	mph	0.0	155.3	(
PS Low Gear 1 RPM Limit	1400	rpm	0	4000	(
Enable Noise Control	DDEC style				(
PGR027 Fleet Management					
FM Alert Update Enable	enable				(
FM Daily Usage Enable	enable				(
Fleet Management Enable	enable				(
FM Incident Update Enable	enable				(
FM Monthly Trip Enable	enable				(
FM Serv Interval Update Enable	enable				(
FM Fuel Density	0.835	kg/l	0.000	65.535	(
PGR031 Vehicle Parameters III					
Ambient Air Temp Sensor Enable	not available				(
PGR032 Coolant Level Sensor					
Cool Level Sensor Input Enable	single level pr...				(
PGR042 Top2					
Top2 Cruise Control Sw Enable	disable				(
PGR043 Acc					
Adaptive Cruise Control Enable	disable				(
MCM					
PGR001_2_PropValve					
PWM12 Configuration	HC-Doser				

Parameters (continued)

Parameter	Value	Units	Minimum	Maximum	C
PWM13 Configuration	Jake-Brake-1				
SW1 Configuration	not parameter...				
SW2 Configuration	not parameter...				
SW3 Configuration	fan 1				
SW4 Configuration	not parameter...				
SW5 Configuration	not parameter...				
SW6 Configuration	not parameter...				
SW7 Configuration	not parameter...				
SW8 Configuration	fuel cut off val...				
PGR001_PropValve					
PWM1 Configuration	EGR valve				
PWM2 Configuration	not parameter...				
PWM3 Configuration	not parameter...				
PWM4 Configuration	not parameter...				
PWM5 Configuration	not parameter...				
PWM6 Configuration	fan 2				
PWM7 Configuration	Jake-Brake-2				
PWM8 Configuration	not parameter...				
PWM9 Configuration	not parameter...				
PWM10 Configuration	not parameter...				
PGR002_1_SensorConfig					
Ambient Air Temperature	Not Installed				0
Ambient Air Humidity	Not Installed				1
Charge Air Temperature (Post)	Not Installed				0
EGR Temperature	Installed				1
Rail Pressure	Not Installed				0
Oil Pressure Sensor Type	absolute Sen...				0
Turbocharger Inlet Pressure	Not Activated				
Fuel Filter Water Level	Not Activated				
PGR002_SensorConfig					
CAC Outlet Pressure	Not Installed				0
Doser Pressure Inlet	Installed				1
Charge Air Temperature	Installed				0
Coolant Temperature In	Not Installed				1
Fuel Temperature	Installed				0
Oil Temperature	Installed				1
Oil Pressure	Installed				0
Catalyst Inlet Temp	Not Installed				1
Catalyst Outlet Temp	Not Installed				0
PGR003_CANConfig					
MCM accepts CPC2 commands	On				0
one wire capability CAN	On				0
Baudrate 250/500 KBaud (MARCI CAN)	250 KBaud				0
CAN 3 active	On				1
PGR004_1_EngineConfig					
Starter Type Control	Starter activat...				1

Parameters (continued)

Parameter	Value	Units	Minimum	Maximum	C
PGR004_2_EngineConfig					
Engine Model Number					
PGR004_3_EngineConfig					
Application Code					
PGR004_EngineConfig					
Engine Serial Number	06R9999235				
PGR006_FanConfig					
Fan Type	Single Speed...				a
Fan Coolant Temp Stage 1	208	°F	32	212	a
Fan Air Temp Stage 1	127	°F	32	302	a
Fan Coolant Temp Stage 2	208	°F	32	212	a
Fan Air Temp Stage 2	32	°F	32	302	a
PGR007_1_DPFConfig					
DPF Manual Regen Only Enable	Disabled				
DPF Shutdown Enable	Enabled				
PGR008_ColdStartConfig					
Cold Start Type	3		0	255	
Cold Start Heater Flange	Disabled				
PGR024_SensorConfig_2					
Intake Manifold Pressure	Enabled				
Position of Intake Air Throttle	Active				
Exhaust Pressure before DPF Inlet	Active				
Outlet Temperature DOC	Active				
Inlet Temperature DOC	Active				
Outlet Temperature DPF	Active				
Turbo Compressor Outlet Temperature	Active				
Turbo Compressor Inlet Temperature	Active				
Pressure after DPF Outlet	Active				
Pressure after EGR Cooler	Not Active				
Turbo Compressor Outlet Pressure	Not Active				
Doser Pressure Outlet	Active				
VNT Position	Not Active				
Differential Pressure EGR (Venturi)	Active				
Differential Pressure after Compressor Outlet	Not Active				
Differential Pressure before Compressor Inlet	Not Activated				
CAC Outlet Temperature	Not Active				
EGR Valve Position	Active				
Coolant Temperature Out	Active				
Oil Level (Engine)	Not Active				
Turbocharger Speed	Active				
PGR025_EBMConfig					
Turbobrake Enable	Not Active				
Hydraulic Konstant Drossel Enable	Not Installed				
Jake Brake 1 Enable	Active				
Jake Brake 2 Enable	Active				
CAN Actuator 1 Wastegate	Not Active				

Parameters (continued)

Parameter	Value	Units	Minimum	Maximum	C
CAN Actuator 3 EGR	Not Active				
CAN Actuator 5 VGT	Active				
CAN Actuator 2	Not Active				