

Vehicle information

Caterpillar

VIN:

Diagnostics time:

Mileage:

Path: Control unit > C-15 > Control units > J1708 - C13 truck > Coding >

Name	Current value	Original value
Selected Engine Rating		
Rating number	1	1
Rating type	Multi-torque	Multi-torque
Multi-torque ratio	MT-B	MT-B
Advertised power	430 hp	430 hp
Governed speed	2100 rpm	2100 rpm
Rated peak torque	1550 lb-ft @1200 rpm	1550 lb-ft @1200 rpm
Top engine speed range	2120 -2120 rpm	2120 -2120 rpm
Test spec	0K8714-00	0K8714-00
Test spec with brakeSaver		
ECM Identification Parameters		
Vehicle ID	2HSCUSBR09C070491	2HSCUSBR09C070491
Engine S/N	LEE19172	LEE19172
ECM S/N	31726132QY	31726132QY
Personality Module P/N	3825324-00	3825324-00
Personality Module Release Date	JAN12	JAN12
Vehicle application type	Other	Other
Security Access Parameters		
Total tattletale	6628	6628
Last tool to change customer parameters	ET527524	ET527524
Last tool to change system parameters	ET413459	ET413459
ECM wireless communications enable	No	No
Vehicle Speed Parameters		
Vehicle speed calibration	26624 P/mile	26624
Vehicle speed cal (J1939-trans)	Unavailable	Unavailable
Vehicle speed cal (J1939-ABS)	Unavailable	Unavailable
Vehicle Speed Limit	85 mph	85
VSL protection	1200 rpm	1200
Tachometer calibration	113.0 PPR	113.0
Soft vehicle speed limit	No	No

Two speed axle - low speed range axle ratio	Unavailable	Unavailable
Nominal axle ratio - high speed range axle ratio	Unavailable	Unavailable
Cruise control parameters		
Low Cruise Control (CC) Speed Set Limit	30 mph	30
High Cruise Control (CC) Speed Set Limit	85 mph	85
Engine retarder mode	Manual	Manual
Engine retarder minimum VSL type	Hard limit	Hard limit
Engine retarder minimum vehicle speed	5 mph	5
Auto retarder in cruise (0 = off)	10 mph	10
Auto retarder in cruise increment	2 mph	2
Cruise/idle/PTO switch configuration	Set/Decel-Resume/Accel	Set/Decel-Resume/Accel
SoftCruise control	No	No
Adaptive cruise control enable	Disabled	Disabled
Idle Parameters (Old PTO)		
Idle Vehicle Speed Limit	2 mph	2
Idle RPM limit	1400 rpm	1400
Idle/PTO RPM ramp rate	50 rpm/s	50
Idle/PTO bump RPM	20 rpm	20
Fast idle RPM #1	900 rpm	900
Fast idle RPM #2 (0 = off)	0 rpm	0
Warm up mode idle speed	1000 rpm	1000
Dedicated PTO parameters		
PTO configuration	off	off
PTO top engine limit	Unavailable	Unavailable
PTO engine RPM set speed (0 = off)	Unavailable	Unavailable
PTO engine RPM set speed A (0 = off)	Unavailable	Unavailable
PTO engine RPM set speed B (0 = off)	Unavailable	Unavailable
PTO to set speed	Unavailable	Unavailable
Maximum PTO enable speed	Unavailable	Unavailable
PTO cab controls RPM limit	Unavailable	Unavailable
PTO kickout vehicle speed limit	Unavailable	Unavailable
Max PTO vehicle speed	Unavailable	Unavailable
Torque limit	Unavailable	Unavailable
PTO shutdown time (0 = off)	Unavailable	Unavailable
PTO shutdown timer maximum RPM	Unavailable	Unavailable
PTO low idle shutdown load percentage threshold	Unavailable	Unavailable
PTO activates cooling fan	Unavailable	Unavailable

Engine/gear parameters		
Lower Gears Engine RPM Limit	1450 rpm	1450
Lower gears turn off speed	12 mph	12
Intermediate gears engine RPM limit	1550 rpm	1550
Intermediate Gears Turn OFF Speed	50 mph	50
Gear Down Protection RPM Limit	1550 rpm	1550
Gear Down Protection Turn ON Speed	50 mph	50
Low Idle Engine RPM	700 rpm	700
Transmission style	Manual	Manual
Eaton top 2 override with cruise switch	Unavailable	Unavailable
Top Gear Ratio	0.740	0.740
Top Gear Minus One Ratio	1.000	1.000
Top Gear Minus Two Ratio	1.387	1.387
Governor type	Full range	Full range
Transmission neutral start interlock	Disabled	Disabled
PTO governor maximum integral gain multiplier	1.0	1.0
PTO governor minimum integral gain multiplier	1.0	1.0
PTO governor proportional gain multiplier	1.0	1.0
Emissions parameters		
ARD programmable regeneration monitoring system	Shutdown	Shutdown
ARD fan enable vehicle speed threshold	20.0 mph	20.0
ARD PTO mode stationary regeneration enable	Disabled	Disabled
Data link ARD disable	Not disabled	Not disabled
Number of diesel particulate filters	1	1
DPF #1 serial number	740C08161B0067	740C08161B0067
DPF #2 serial number	Unavailable	Unavailable
ARD configuration code	2892880	2892880
ARD fuel nozzle cleaner configuration	Nozzle heater	Nozzle heater
Timer parameters		
Engine emissions certification configuration	Environmental protection agency (EPA)	Environmental protection agency (EPA)
Engine idle shutdown system configuration	Caterpillar	Caterpillar
Cold mode idle shutdown timer enable	Disabled	Disabled
Engine idle shutdown timer reset enable	Enabled	Enabled
Idle shutdown time (0 = off)	0 min	0
Idle shutdown timer maximum RPM	2120 rpm	2120
Allow idle shutdown override	No	No
Idle shutdown timer neutral switch ignore configuration	Do not ignore	Do not ignore

Minimum idle shutdown outside temperature	Unavailable	Unavailable
Maximum idle shutdown outside temperature	Unavailable	Unavailable
A/C switch fan on-time (0 = off)	180 s	180
Engine retarder delay	0.0 s	0.0
Smart idle parameters		
Battery monitor and engine control voltage	0.0 V	0.0
Engine monitoring parameters		
Engine monitoring mode	Shutdown	Shutdown
Engine monitoring lamps		
Warning lamp config	J1/P1:29	J1/P1:29
Low coolant level lamp config	None	None
High coolant temperature lamp config	None	None
Low oil pressure lamp config	None	None
Coolant level sensor	4-pin	4-pin
Maintenance parameters		
Maintenance indicator mode	off	off
PM1 interval	978250 Miles	978250
Engine oil capacity	40 quarts	40
Trip parameters		
Fuel correction factor	0 %	0
Dash - change fuel correction factor	No	No
Dash - PM1 reset	No	No
Dash - fleet trip reset	No	No
Dash - state selection	Yes	Yes
Theft deterrent system control	No	No
Theft deterrent password	****	****
Quick stop rate	4 mph/s	4
Vehicle overspeed threshold	127 mph	127
Vehicle activity report parameters		
Minimum idle time (0 = off)	0 min	0
Driver reward		
Driver reward enable	Disabled	Disabled
Fan Control		
Fan control type	On/off DC	On/off DC
Fan pulley ratio	1.300	1.300
Fan with engine retarder in high mode	No	No
Number of cooling fan blades	11 blades	11 blades
Cooling fan diameter	32 inch	32 inch

Minimum fan speed	Unavailable	Unavailable
Maximum fan speed	Unavailable	Unavailable
Maximum fan speed ratio multiplier	Unavailable	Unavailable
Input selections		
Fan override switch	J1939 - body controller	J1939 - body controller
Transmission Neutral switch	None	None
Ignore brake/clutch switch	Unavailable	Unavailable
Torque limit switch	Unavailable	Unavailable
Power Take-Off (PTO) ON/OFF switch	Unavailable	Unavailable
Remote Power Take-Off (PTO) Set switch	Unavailable	Unavailable
Remote Power Take-Off (PTO) Resume switch	Unavailable	Unavailable
Power Take-Off (PTO) engine RPM set speed input A	Unavailable	Unavailable
Power Take-Off (PTO) engine RPM set speed input B	Unavailable	Unavailable
Starting aid ON/OFF switch	None	None
Two speed axle switch	None	None
Cruise control on/off switch	J1939 - body controller	J1939 - body controller
Cruise control set switch config	J1939 - body controller	J1939 - body controller
Cruise control resume switch config	J1939 - body controller	J1939 - body controller
Cruise control PAUSE switch	None	None
Clutch pedal position switch	J1939 - body controller	J1939 - body controller
Retarder low/high switch config	J1939 - body controller	J1939 - body controller
Retarder medium/high switch config	J1939 - body controller	J1939 - body controller
Service brake pedal position switch 1	J1939 - body controller	J1939 - body controller
Fast idle enable switch	None	None
Parking brake input	J1939 - body controller	J1939 - body controller
Power Take-Off (PTO) accelerator sensor	Unavailable	Unavailable
Power Take-Off (PTO) engine shutdown switch	Unavailable	Unavailable
Service brake pedal position switch 2	None	None
Accelerator pedal position	J1/P1:66	J1/P1:66
A/C high pressure switch	None	None
Vehicle speed input	J1/P1:32 & 33	J1/P1:32 & 33
ARD disable switch config	J1939 - body controller	J1939 - body controller

ARD force switch config	J1939 - body controller	J1939 - body controller
ARD automatic regeneration switch configuration	None	None
Air inlet shutoff switch	Unavailable	Unavailable
Air inlet shutoff threshold reduction switch config	Unavailable	Unavailable
Engine shutdown override switch configuration	None	None
ARD soft shutdown input configuration	None	None
Output selections		
Engine running output	None	None
Engine shutdown output	None	None
Auxiliary brake	None	None
Starting aid output	None	None
Power Take-Off (PTO) active output	Unavailable	Unavailable
Power Take-Off (PTO) switch ON lamp	Unavailable	Unavailable
Fast idle enabled lamp	None	None
Lockout solenoid	Unavailable	Unavailable
Shift solenoid	Unavailable	Unavailable
DPF lamp	None	None
Exhaust system high temperature lamp	None	None
Aftertreatment Regeneration Device (ARD) disabled lamp	None	None
Air inlet shutoff relay control	Unavailable	Unavailable
Fuel tank parameters		
Primary fuel tank capacity	None	None
Secondary fuel tank capacity	None	None
Passwords		
Customer password #1	*****	*****
Customer password #2	*****	*****
Data link parameters		
Powertrain data link	J1939	J1939
System settings		
Personality Module Code	159	159
FLS	15	15
FTS	-10	-10
CAN communication protocol write security	Seed and key access	Seed and key access
CAN communication protocol read security	Seed and key access	Seed and key access
DPF ash service reset	Not reset	Not reset
Air inlet shutoff system installation	Not installed	Not installed

Engine precoolers installation	Installed	Installed
Vehicle voltage selection	12V	12V
Compression brake system installation	Installed	Installed