

Chassis Node Details

The node that receives information from the CECU to control exterior lighting, Electric over Air controls, and windshield wipers is called the chassis node. The chassis node serves as a bidirectional conduit for both information and control.

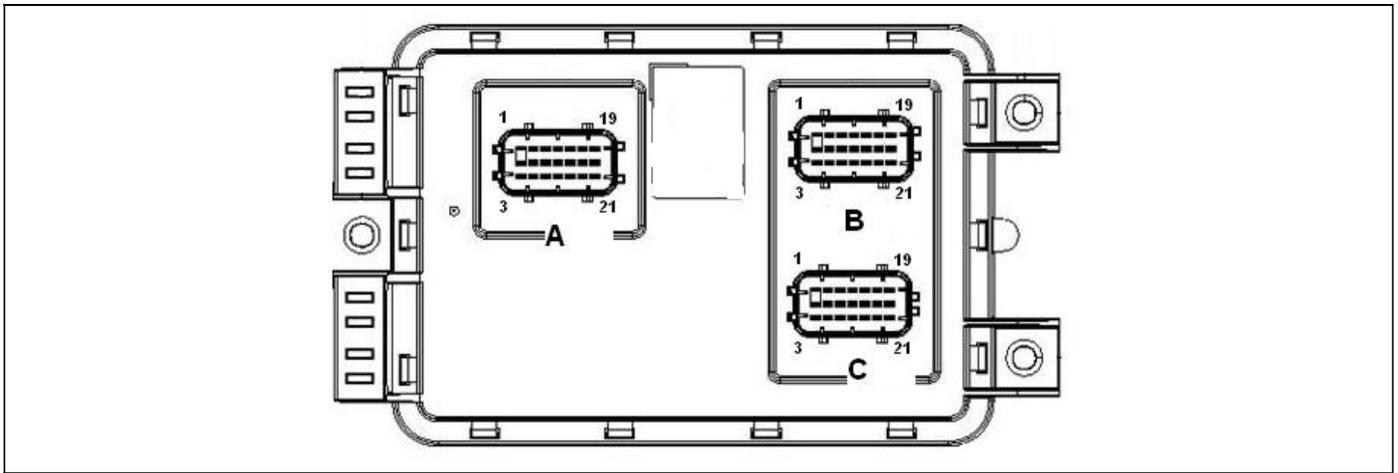
Chassis Node Connector Identification

There are three 21-pin electrical connectors that plug into the Chassis Node.

- Connector A - 21 pins
- Connector B - 21 pins
- Connector C - 21 pins

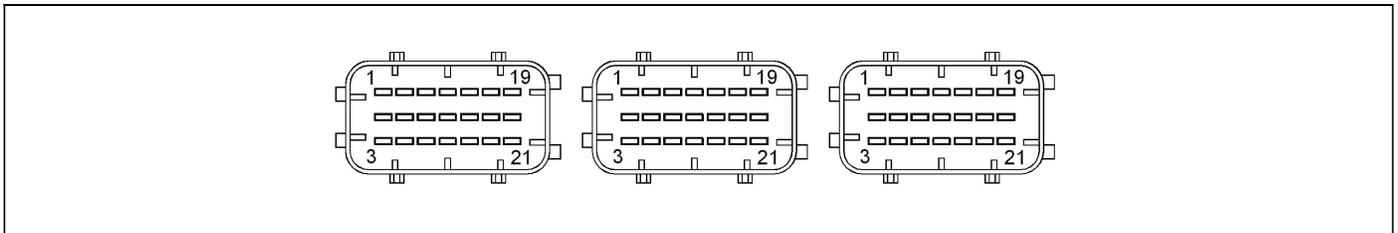
For an illustration of the side view of a Chassis Node showing where the harness connectors attach into the control unit, see Chassis Node Figure. This figure identifies connector position on the control unit as well as individual connector pin locations.

Chassis Node Figure



For connector face views at the harness connectors that plug into the Chassis Node, see Chassis Node Connector Face Views Figure.

Chassis Node Connector Face Views



Chassis Node Comparison Chart - (Pinout)

Conn	Pin Number	Circuit Function
A	1	Left headlamp low beam output (PWM)
	2	Power - ignition input
	3	Ground
	4	Battery power - 1
	5	Neutral switch input
	6	Fuel level 1 input
	7	Right headlamp high beam output
	8	Backup switch input
	9	Fuel level 2 input
	10	Reverse loads (Peterbilt) Snowplow (Kenworth)
	11	Spare digital input
	12	Spare analog input
	13	Left headlamp high beam output
	14	(reserved)
	15	Spare analog input
	16	Battery power - 2
	17	(reserved)
	18	F-CAN high
	19	Right headlamp low beam output (PWM)
	20	(reserved)
	21	F-CAN low
B	1	Battery power - 3
	2	Right turn/stop rear output (Tractor)
	3	Power supply +5V sensors
	4	Left turn front/side output
	5	Fuel filter restriction input
	6	Transmission oil temperature - auxiliary input
	7	Right turn front/side output
	8	Spare analog input
	9	General oil temperature input
	10	Battery power - 4
	11	Spare analog input
	12	Reserve for remote accelerator
	13	Left turn/stop rear output
	14	Reserve for clutch wear sensor
	15	Driving/fog lamps output
	16	Left turn trailer output
	17	Ammeter input
	18	Battery power - 7
	19	Battery power - 5
	20	Left turn front/DRL output
	21	Right turn front/DRL output

Conn	Pin Number	Circuit Function
C	1	Analog return
	2	Electric over air switch 1 output
	3	Electric over air switch 2 output
	4	Transfer case oil temperature input
	5	Electric over air switch 3 output
	6	Electric over air switch 4 output
	7	PTO oil temperature input
	8	Electric over air switch 5 output
	9	Electric over air switch 6 output
	10	Rear axle temperature input
	11	Electric over air switch 7 output
	12	Electric over air switch 8 output
	13	Front axle temperature input
	14	DRL headlamps (Perterbilt)
	15	Battery power - 8
	16	Center/steer axle temperature input
	17	Windshield wiper motor control output
	18	Trailer engine coolant valve
	19	Battery power - 8
	20	Right turn trailer output
	21	Back-up alarm control output