

Transmission Interface Connector

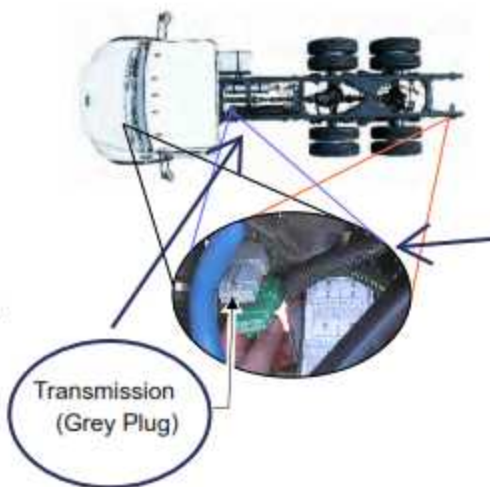
Depending on the transmission that is installed in the vehicle, the transmission interface harness provides the VIW connection for the current generation of 1000/2000 series or 3000/4000 series electronic controls.

The transmission interface harness provides most of the optional I/O circuits and speedometer signal, in a conveniently located connector.

Connectors can be ordered in three locations using the options shown below.

There should be a green ribbon tape at the connector for easy locating and identification.

Transmission Interface Connector

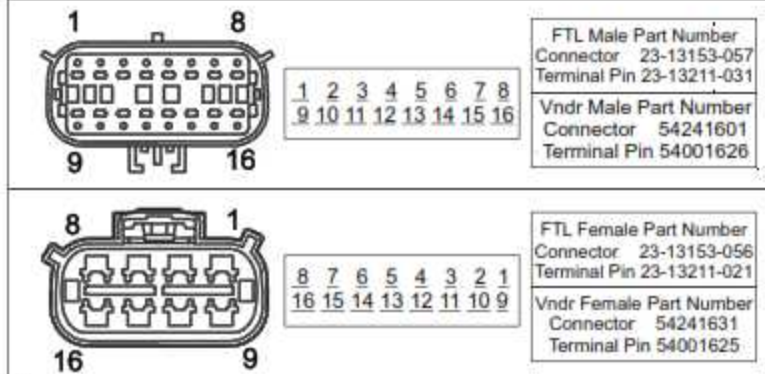


**LOCATED
Back of Cab**

Data Book Codes for the Transmission Interface Harness

Data Book Code	Description
34C-001	Transmission Interface Harness at the Frontwall
34C-002	Transmission Interface Harness at Back of Cab
34C-003	Transmission Interface at End of Frame

Transmission Interface (Gray Plug)



Pin No.	Freightliner Circuit No.	Allison Transmission Circuit No.	Allison Transmission Function [†]	
			1000/2000 Series	3000/4000 Series
1	232E	163	Ignition Signal	Ignition Signal
2	497C7 (O ¹)	150	PTO Enable	PTO Enable
3	497C8 (O)	113	-	Secondary Mode Indicator Range Indicator Engine Overspeed Indicator
4	497Y	103	Digital Ground	Digital Ground
5	497K (O)	125	Vehicle Speed Sensor	Vehicle Speed Sensor
6	497C4 (O)	105	Output Speed Indicator A	Output Speed Indicator A
7	497C3 (O)	145	Neutral Indicator for PTO Two-Speed Axle Enable	Neutral Indicator for PTO Two-Speed Axle Enable
8	497D3 (I ¹)	143	PTO Enable	Direction Change Enable PTO Enable Reverse Enable
9	497C1 (O)	130	-	Engine Overspeed Indicator PTO Enable Secondary Mode Indicator
10	497D5 (I)	142	Secondary Mode Input	Auxiliary Hold Secondary Mode Input Two-Speed Axle Enable Automatic Neutral-Dual Input With Park Brake Auto Neutral-Dual Input With Service Brake Status Auxiliary Function Range Inhibit (special) Auto Neutral-Dual Input With Service Brake Status
11	497D6 (I)	101	Auxiliary Function Range Inhibit (standard)	Auxiliary Function Range Inhibit (standard) Automatic Neutral-Dual Input With Park Brake Shift Selector Transition Two-Speed Axle Enable Shift Selector Transition/Secondary Shift Schedule Auxiliary Function Range Inhibit (special)
12	497D10 (I)	117	-	Automatic Neutral-Single Input Direction Change Enable Reverse Enable Automatic Neutral-Dual Input With Park Brake Auto Neutral-Dual Input With Service Brake Status
13	497C6 (O)	164	Sump Retarder Temperature Indicator	Sump Retarder Temperature Indicator
14	497D1 (I)	123	3rd Lockup Pump Mode	4th Lockup Pump Mode Kickdown Direction Change Enable
15	497D4 (I)	122	3rd Lockup Pump Mode Transfer Case Low	4 th Lockup Pump Mode Refuse Packer Step Switch Reduced Engine Load at Stop
16	-	-	-	-

[†] When more than one function is listed, see the Allison Transmission Vocational Model Guide for the applicable function.

¹ Output