General Service Bulletin (GSB):	Joint Connector GSB
GSB Overview:	This GSB covers what vehicle lines use Joint Connectors, what they are and where to find information about them in the Wiring Diagram (WD)
NOTE: This information is not intended to replace or supersede any warranty, parts and service policy, Work Shop Manual (WSM) procedures or technical training or wiring diagram information.	

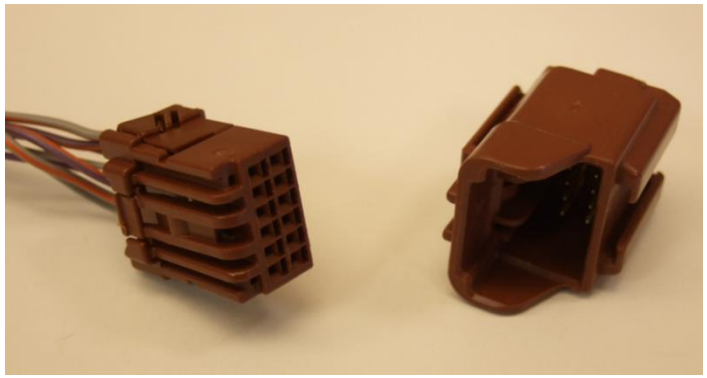
This information is not intended to replace technical training, Workshop Manual (WSM) or Wiring Diagram information or procedures.

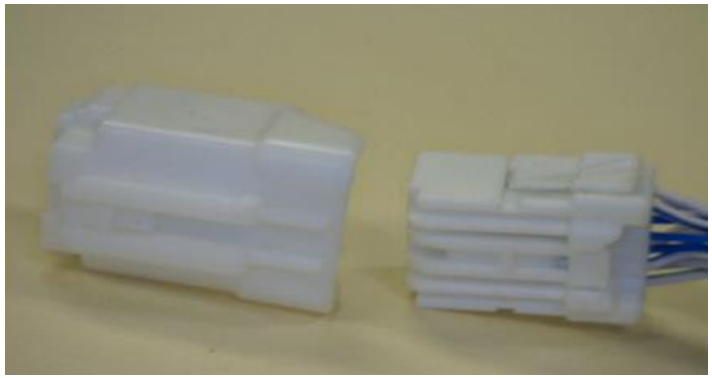
Application:

This GSB applies to specific Joint Connectors used in 2010-2015 Taurus, 2011-2015 Explorer, and 2014-2015 MKS vehicles.

What are Joint Connectors and why are they used?:

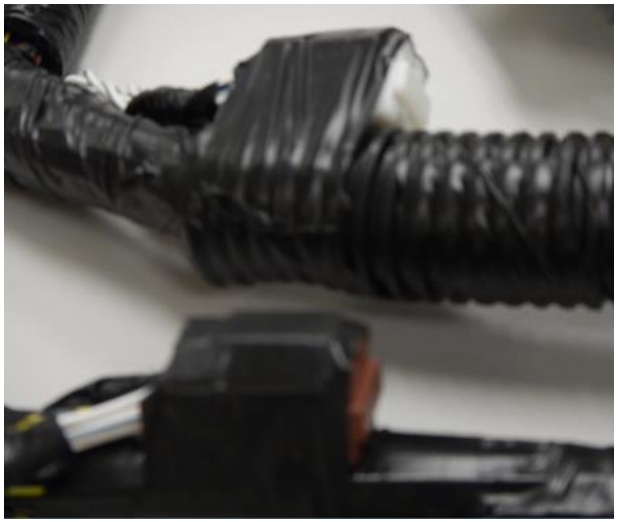
- Provide a connection point for two or more wires within the wiring harness
- Aid in wiring harness assembly

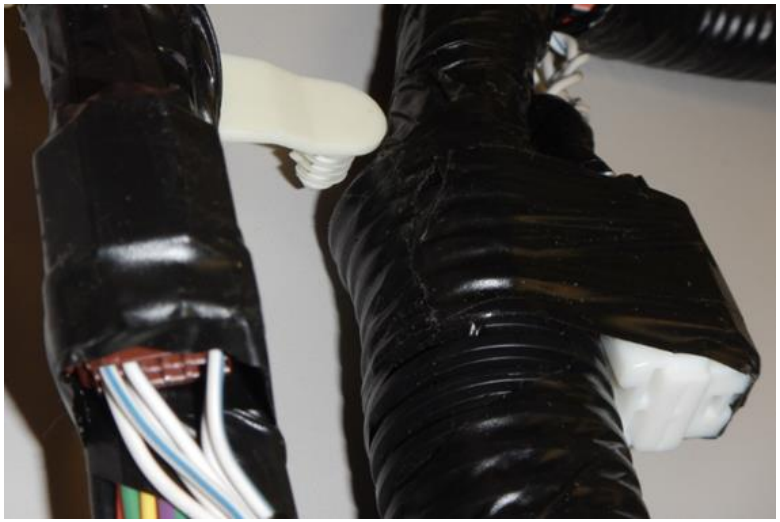


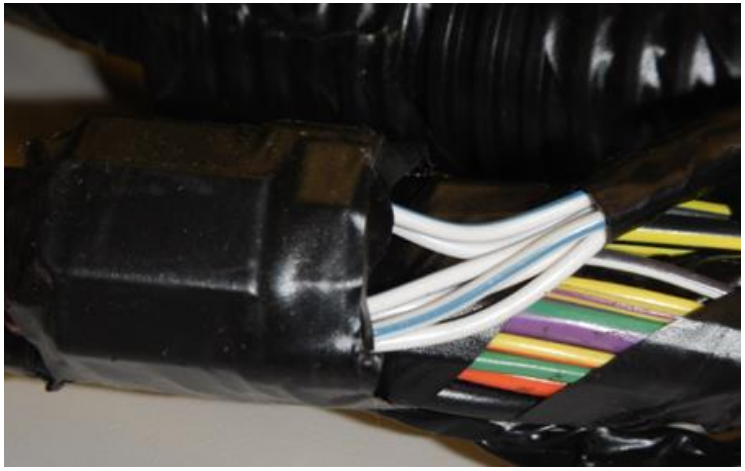


Joint Connector GSB

Joint Connectors within the wiring harness:

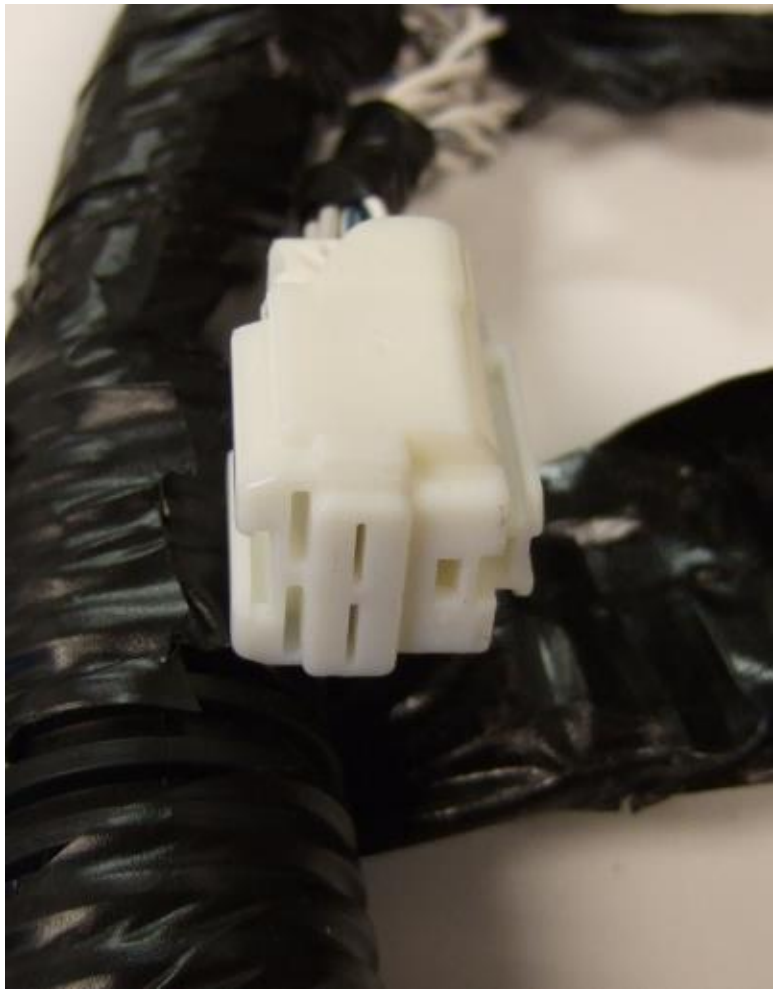


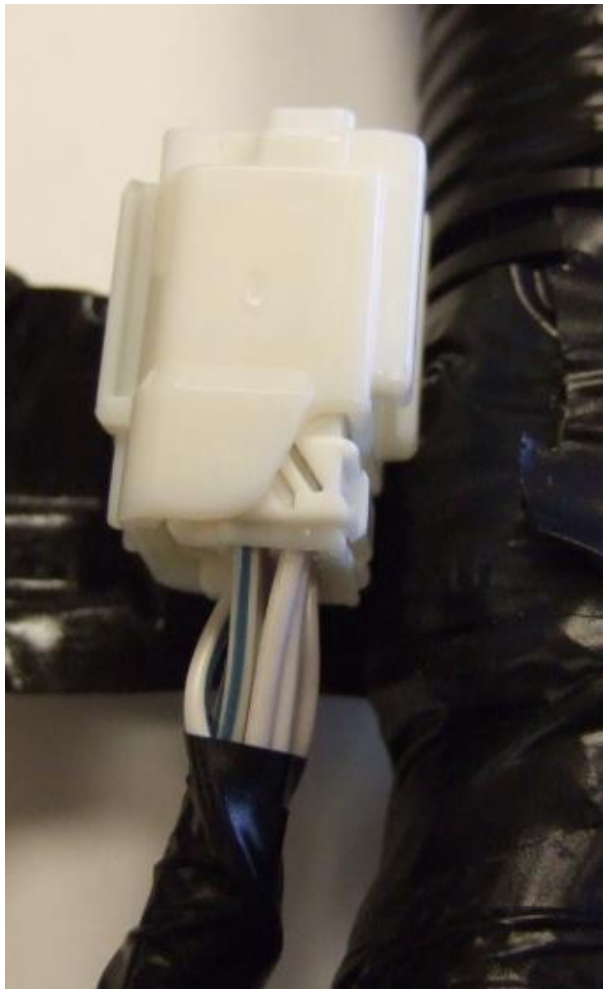




Joint Connector GSB

Joint Connectors outside the wiring harness:

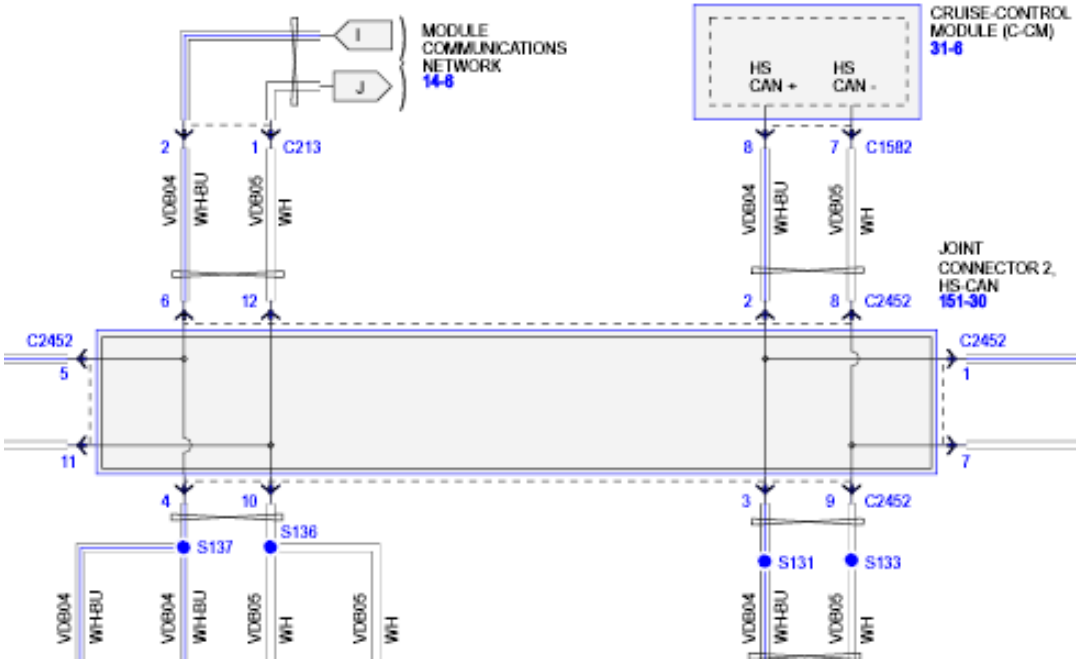


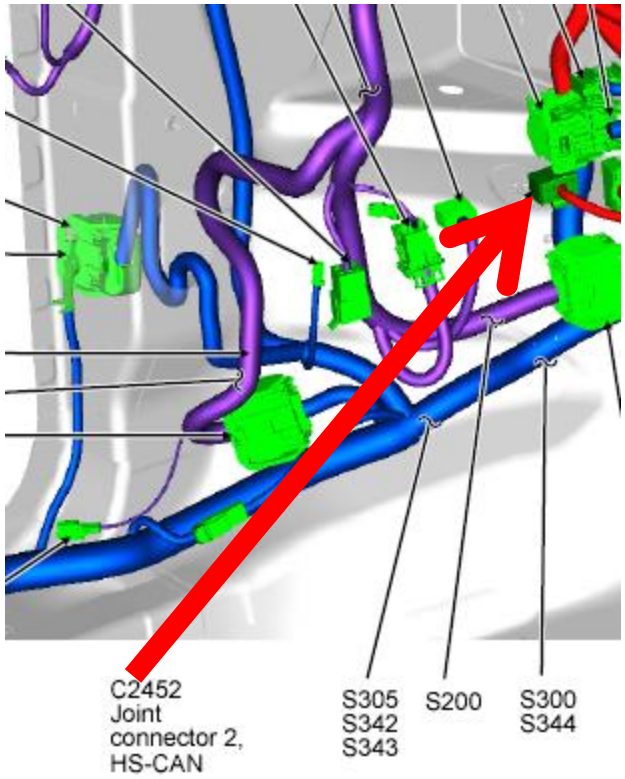


Joint Connector GSB

Joint Connectors in the PTS online Wiring Diagrams:

This schematic is typical of how a Joint Connector is illustrated in the Wiring Diagram for various circuits, when used. Clicking on the connector number will open a Component Location view as shown. Joint Connector is typically within 300 mm of the location shown.

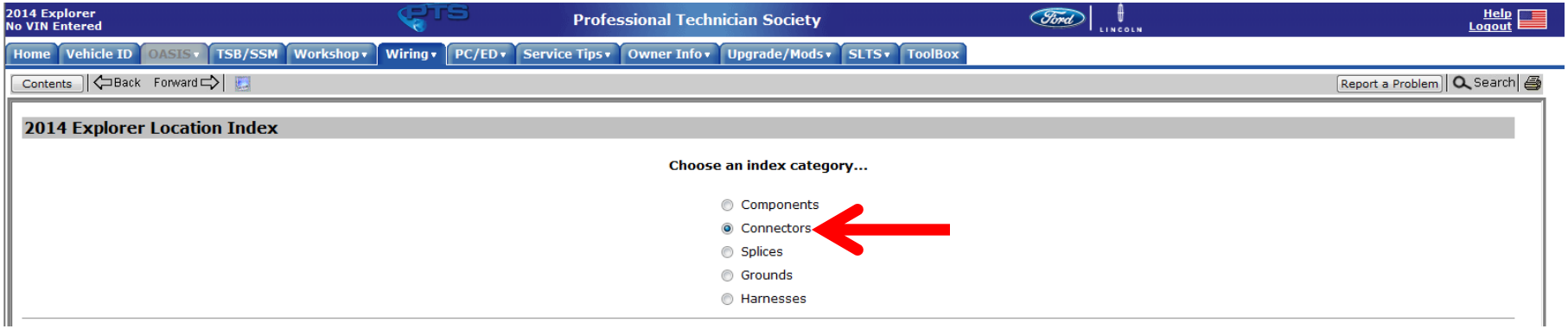


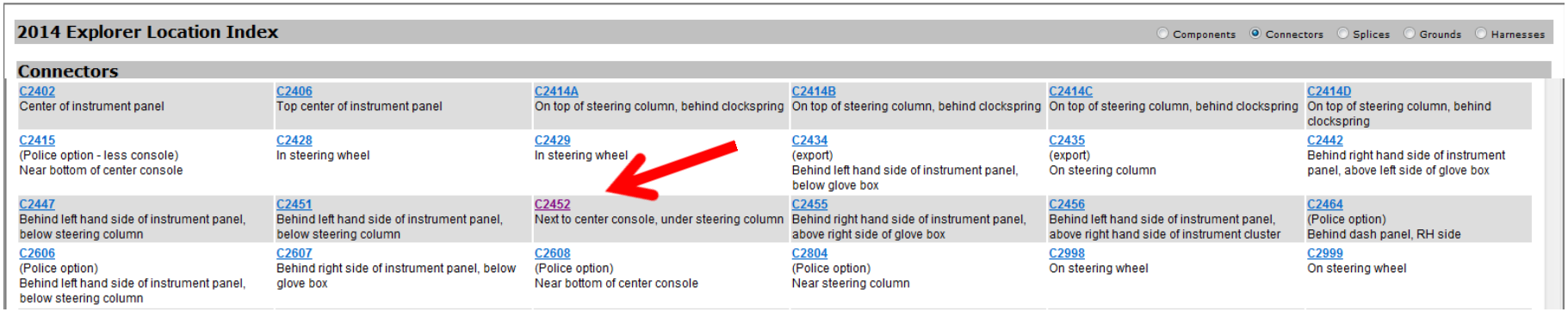


Joint Connector GSB

Joint Connectors in the PTS online Wiring Diagrams:

Joint Connectors are called out in Cell 152, Component Location Charts, within the 'Connector' category.





Joint Connector GSB

Joint Connectors in the PTS online Wiring Diagrams:

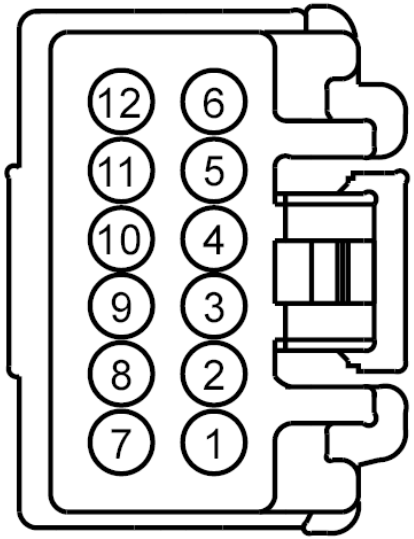
The Connector View for the Splice Blocks is located in Cell 150-1 of the Wiring Diagrams.

2014 Explorer Connector List — Sort by Title / Sort by Connector Number

C2414B STEERING COLUMN CONTROL MODULE (SCCM)	C2414C STEERING COLUMN CONTROL MODULE (SCCM)	C2414D STEERING COLUMN CONTROL MODULE (SCCM)	C2415 TIRE PRESSURE MONITOR (TPM) MODULE	C2428 PADDLE SHIFTER, RIGHT	C2429 PADDLE SHIFTER, LEFT
C2434 COLUMN LOCK MODULE (CLM)	C2435 COLUMN LOCK MOTOR	C2442 JOINT CONNECTOR 2, MS-CAN	C2447 JOINT CONNECTOR 7, MS-CAN	C2451 JOINT CONNECTOR 1, HS-CAN	C2452 JOINT CONNECTOR 2, HS-CAN
C2455 JOINT CONNECTOR 5, HS-CAN	C2456 JOINT CONNECTOR 6, HS-CAN	C2464 GENERIC FUNCTION MODULE (GFM)	C2606 Inline	C2607 PASSENGER KNEE AIR BAG MODULE	C2608 Inline
C2804 LOW GEAR SELECTOR SWITCH	C2998 STEERING WHEEL SWITCH, LEFT	C2999 STEERING WHEEL SWITCH, RIGHT	C3002 AUXILIARY BLOWER MOTOR CONTROL	C3004 AUXILIARY TEMPERATURE BLEND DOOR ACTUATOR	C3007 Inline

Back Forward C2452

Connector: C2452	Description	Color	Harness	Base Part #	Service Pigtail
	JOINT CONNECTOR 2, HS-CAN		14290	part# N/A	Not Available



Pin	Circuit	Gauge	Circuit Function	Qualifier	Terminal Part Number
1	VDB04 (WH-BU)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED HIGH		AU5T-14474-JA
2	VDB04 (WH-BU)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED HIGH		AU5T-14474-JA
3	VDB04 (WH-BU)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED HIGH		AU5T-14474-JA
4	VDB04 (WH-BU)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED HIGH		AU5T-14474-JA
5	VDB04 (WH-BU)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED HIGH		AU5T-14474-JA
6	VDB04 (WH-BU)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED HIGH		AU5T-14474-JA
7	VDB05 (WH)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED LOW		AU5T-14474-JA
8	VDB05 (WH)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED LOW		AU5T-14474-JA
9	VDB05 (WH)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED LOW		AU5T-14474-JA
10	VDB05 (WH)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED LOW		AU5T-14474-JA
11	VDB05 (WH)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED LOW		AU5T-14474-JA
12	VDB05 (WH)	20	CONNECTOR - DIAGNOSTIC # CAN BUS HIGH SPEED LOW		AU5T-14474-JA

Terminal Part Number	Service Part Number
AU5T-14474-JA	Not Available

In this instance, although the terminal part number is listed, it is not currently available.

Joint Connector GSB

What type of concerns can result from a poor connection within a Joint Connector?

- Pin pushouts, loose terminals, poor terminal crimps, wire damage, etc. can result in an open, shorted or grounded circuit, which can cause various issues and may be intermittent.

How are the circuits within a Joint Connectors tested?

- Power, ground, and continuity checks for specific circuits that may contain a Joint Connector are listed in an applicable Workshop Manual Pinpoint Test.

How are the circuits and terminals with a Joint Connectors repaired?

- Depending on the severity of the concern, affected circuits can be removed from the connector and spliced together, as necessary. The connector can be bypassed for one or all circuits. Use splice kits 3U2Z-14A088-AB/BA/CA to make waterproof repairs. Follow the instruction sheet in the splice kit.

How is the cap released from the Joint Connector?

The Cap is released from the Joint Connector using a tool to push the lock toward the connector as shown.

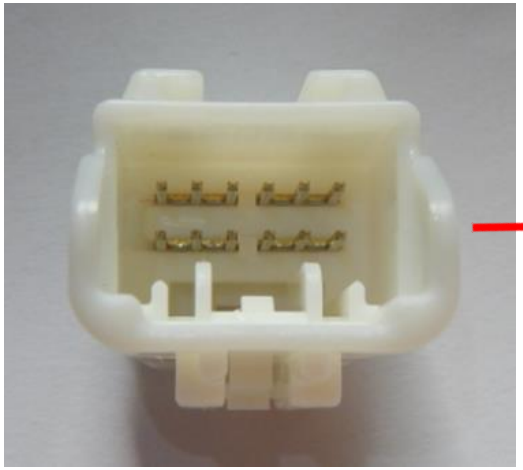
Joint Connector GSB

Differences in Joint Connectors:

Joint Connectors can be different. The brown connector on the left has the upper and lower six pins joined into one circuit on each row. The white connector has only three pins joined into one circuit on both the upper and lower row. In some cases, these 3-pin connectors may be connected together via a wire loop as shown in the picture and schematic.

2 sets of 6 pins joined on 2 rows

4 sets of 3 pins joined on 2 rows



Wire loop