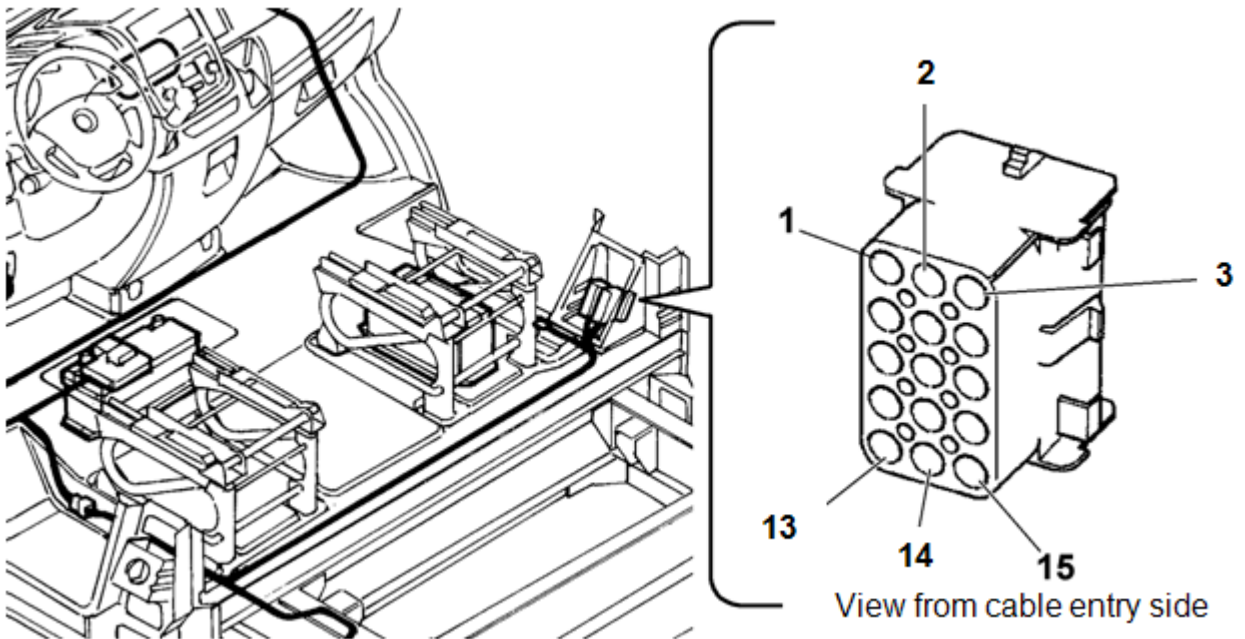


2014 UPFITTERS CONNECTOR

This only applies to vehicles with option code BC3

3D view of connector



2014 UPFITTERS CONNECTOR

Description of connector functions

Pin	Function/Connector part number	Minimum cable section [mm ²]	cable colour	Notes
	15-way Tyco connector p/n 0-926647-1 Counterpart: Tyco p/n 1-480710-0 (by coach builder)			Reference to diagram C036-L1A
1	Not Connected			
2	Pulled to Ground w/Running Engine	0.5	MB	300mA Max Current
3	Vehicle speed output (VSO)	0.5	GR	5mA Max Current (0 to 5V Square Wave. 50% Duty Cycle. Variable Frequency. 5V at 0MPH. Vspd (MPH) = F(HZ) *0.6 (MPH/HZ) Round to nearest MPH)
4	Door lock control (Chassis Cab only)	1.5	RN	12A Max Current (for actuation times see Table 1)
5	Door unlock control (Chassis Cab only)	1.5	NR	12A Max Current (for actuation times see Table 1)
6	Side and rear door status signal (Chassis Cab only)	0.5	NZ	Use an N.O. to switch to ground (minimum clean contact current 10 mA)
7	20W timed interior lighting power feed	0.5	RV	Power supply (+) for timed ceiling light, .15' with key-off (P _{MAX} = 20W at 12V)
8	Ceiling light negative control (dimmer) (Chassis Cab only)	0.5	BV	Ceiling light control (-) P _{MAX} = 20W at 12V
9	CAN B	0.35	BS	Low Speed Interior Bus for use with Mopar Certified Systems
10	CAN B	0.35	NS	Low Speed Interior Bus for use with Mopar Certified Systems
11	Side markers negative control relay Pulled to Ground w/Park Lights on.	0.5	Z	300 mA Max Current
12	Not Connected			
13	Key-on power +12V with Ignition on	0.5	L	600 mA Max Current
14	Not Connected			
15	Not connected	-	-	-

(1) not for use with other applications

2014 UPFITTERS CONNECTOR

Action	FrontLock	RearLock	UnlockCom	Act. Time	Front State	Rear State
Lock Rear						
Initial State	-	-	-	-	Any	Any
Lock Rear	-	+	-	400 + t ₁ ms		
Final State	-	-	-	-	No Change	Locked
Lock Front						
Initial State	-	-	-	-	Any	Any
Lock Rear	+	-	-	400 + t ₁ ms		
Final State	-	-	-	-	No Change	Locked
Lock Front/Rear						
Initial State	-	-	-	-	Any	Any
Lock Rear	+	+	-	400 + t ₁ ms		
Final State	-	-	-	-	Locked	Locked
Lock Front/Rear						
Initial State	-	-	-	-	Any	Any
Lock Rear	+	+	-	400 + t ₁ ms		
Final State	-	-	-	-	Locked	Locked
Unlock Rear (Front locked)						
Initial State	-	-	-	-	Locked	Any
Confirm Lock Front/Rear	+	+	-	20 + t ₂ ms		
Unlock Rear	+	-	+	400 + t ₁ ms		
Confirm Unlock Front	+	-	-	20 + t ₂ ms		
Final State	-	-	-	-	Locked	Unlocked
Unlock Rear (Front unlocked)						
Initial State	-	-	-	-	Unlocked	Any
Confirm Lock Front/Rear	-	+	-	20 + t ₂ ms		
Unlock Rear	+	-	+	400 + t ₁ ms		
Confirm Unlock Front	-	-	+	20 + t ₂ ms		
Final State	-	-	-	-	Unlocked	Unlocked
Unlock Front (Rear locked)						
Initial State	-	-	-	-	Any	Locked
Confirm Lock Front/Rear	+	+	-	20 + t ₂ ms		
Unlock Front	-	+	+	400 + t ₁ ms		
Confirm Lock Rear	-	+	-	20 + t ₂ ms		
Final State	-	-	-	-	Unlocked	Locked
Unlock Front (Rear unlocked)						
Initial State	-	-	-	-	Any	Unlocked
Confirm Lock Front	+	-	-	20 + t ₂ ms		
Unlock Rear	-	+	+	400 + t ₁ ms		
Confirm Unlock Front	-	-	+	20 + t ₂ ms		
Final State	-	-	-	-	Unlocked	Unlocked
Unlock Front/Rear						
Initial State	-	-	-	-	Any	Any
Confirm Lock Front/Rear	+	+	-	20 + t ₂ ms		
Unlock Front/Rear	-	-	+	400 + t ₁ ms		
Final State	-	-	-	-	Unlocked	Unlocked

TOLERANCES

0<t₁<10%0<t₂<10ms