

ControlPROTM

Steering Wheel Control Interface



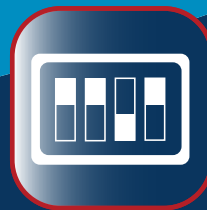
INSTALLATION GUIDE



STEERING WHEEL
CONTROLS



SOFTWARE
UPDATEABLE



DIPSWITCH
CONFIGURABLE

CP2-UNI.2 UNIVERSAL INTERFACE

- ▶ Retain your steering wheel controls when upgrading to an aftermarket radio
- ▶ For vehicles with CAN-bus, GMLAN, LIN-bus, I-Bus or Analog SWC
- ▶ Provides outputs for Speed Pulse, Park Brake, Reverse Gear, Illumination and Ignition if supported by the vehicle



AUTOLEADS

PRIOR TO INSTALLATION

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure that the correct tools are used during the installation to avoid damage to the vehicle or product. We can not be held responsible for the installation of this product.

DISCLAIMER

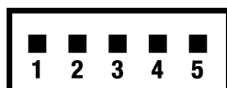
The information provided in this document is subject to change without notice due to manufacturer changes and/or improvements to the product/s. This instruction manual is based on documented data and research. The manufacturer of this product cannot be held responsible for any changes made to the vehicle by the manufacturer or damages that may occur through the installation of this product in accordance with the steps outlined herein.

FEATURES

- Retain steering wheel control functionality when upgrading to an aftermarket stereo
- Works with a wide variety of CAN-Bus and Analogue vehicle applications
- Provides output feeds for parking brake trigger, VSS speed pulse, illumination, reverse gear and 12V ignition (dependent on vehicle model)

WIRING DIAGRAM/KEY

Vehicle Output Harness*

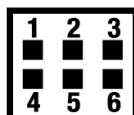


Green	Parking brake trigger
Pink	VSS speed pulse
Orange	Illumination
Purple (White Stripe)	Reverse gear
**Red (White Stripe)	Ignition 12V

*Note: Not all output feeds will be provided. This will vary dependent on vehicle model.

**Note: The Ignition 12V output can be found on the Power/Data harness

Head Unit Connection Harness



3.5mm Jack - To aftermarket stereo 3.5mm input

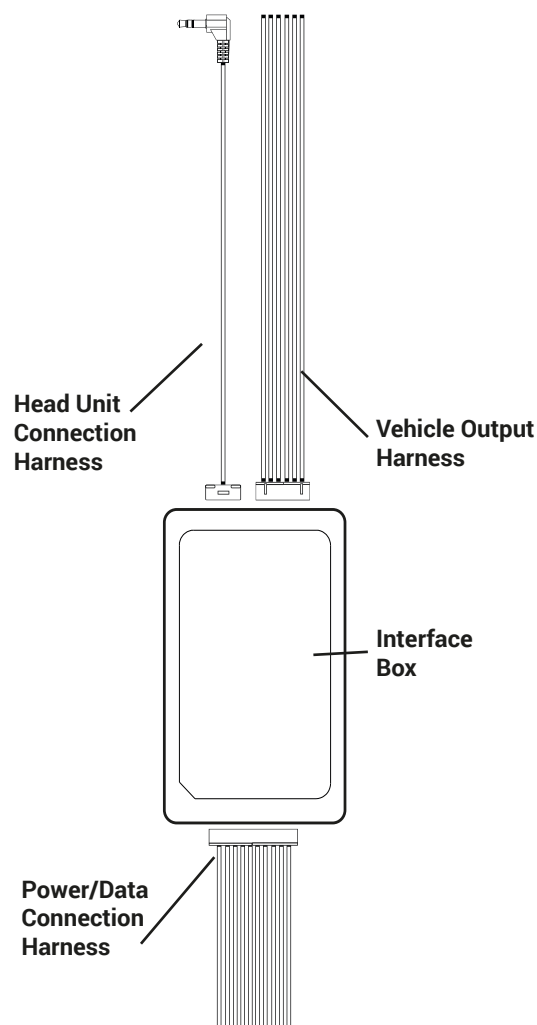
or

Blue (Green Stripe) - To aftermarket stereo SWC Wire

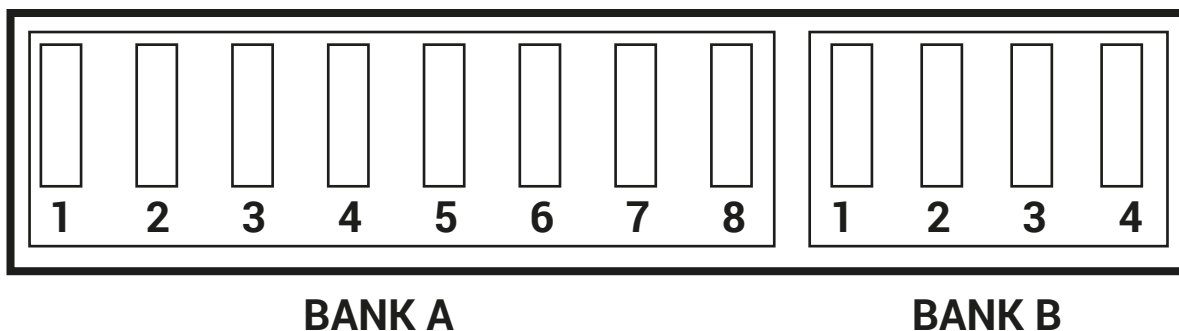
Power/Data Connection Harness



Purple	Analogue 2
Red	12V Ignition Input
Black	Ground
Red (White Stripe)	12V Ignition Output
White	Analogue 1
Yellow	12V Permanent
Pink (Black Stripe)	CAN -
Pink	CAN +



SETTING THE DIPSWITCHES



Note: the interface DIP switches must be set before power is connected to the interface. If any changes are made to the DIP switches of the interface, ensure that power to the interface is switched off.

The interface has 12 unique DIP switches which must be set before the interface is powered on. These appear in two banks on the side of the interface box. To set them correctly, please set Switch 8 in Bank A and Switches 1-4 in Bank B as below and Switches 1 - 7 in Bank A as specified by the vehicle model tables on the following pages.

Note: A DIP switch is 'OFF' when the switch is up, and 'ON' when the switch is down.

AFTERMARKET STEREO (SET BANK A 8 and BANK B 1 - 4)

Stereo Brand	DIP8 (Bank A)	DIP1 (Bank B)	DIP2 (Bank B)	DIP3 (Bank B)	DIP4 (Bank B)
JVC	ON	ON	OFF	OFF	OFF
Phillips	ON	OFF	ON	OFF	OFF
Clarion	ON	ON	ON	OFF	OFF
Kenwood	ON	OFF	OFF	ON	OFF
Alpine	ON	ON	OFF	ON	OFF
Panasonic	ON	OFF	ON	ON	OFF
Sony	OFF	ON	ON	ON	OFF
Pioneer	ON	ON	ON	ON	OFF
Stinger	ON	ON	ON	OFF	OFF
Zenec	ON	OFF	OFF	OFF	ON

INSTALLATION

1. Remove and disconnect the original vehicle head unit
2. Ensure that the 12 DIP switches on the interface box are set according to the vehicle make/model and aftermarket head unit brand.
3. Connect the patch lead to the interface and to the aftermarket steering wheel control input
4. Install the interface into the vehicle using Interface Connections (Fig. 1) and the car-specific wiring in this manual

Note: Car manufacturers can change wiring specifications without notice. Ensure that the correct wires are located before commencing installation.

SPECIFIC PLUG & PLAY HARNESSES

For a quicker and easier installation method, you can pair the CP2-UNI.2 with one of our vehicle specific harnesses. These leads have been tailored to match the exact pin locations of a selection of vehicles. These vehicle harnesses work with both CAN & Analogue vehicles as well as a selection of MOST amplified vehicles.



APPLICATION & UPDATES

For the latest application and product information please visit autoleadscp2.com

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	Dipswitch Setting							Outputs		
							1	2	3	4	5	6	7	Reverse	Speed	Park Brake
Alfa Romeo	147	2000	2007	N	Analogue			ON	ON	ON	ON		ON			
	147	2007	2010	N	CAN			ON	ON	ON		ON	ON	YES	YES	YES
	156	2000	2007	N	Analogue				ON	ON		ON	ON			
	156	2004	2006	Y	CAN	HARCP2-FI51	ON	ON		ON	ON	ON	ON			
	159	2005	2011	Y	CAN	HARCP2.2-AR1		ON	ON		ON	ON	ON	YES	YES	YES
	159	2006	2011	Y	CAN	HARCP2-FI51	ON	ON		ON	ON	ON	ON			
	4C/Mito/Giulietta	2013		Y	CAN- Open Dash		ON	ON	ON	ON	ON	ON		YES	YES	YES
	4C/Mito/Giulietta	2013		Y	CAN TYPE1			ON	ON	ON	ON	ON		YES	YES	YES
	4C/Mito/Giulietta	2013		Y	CAN TYPE2		ON		ON	ON	ON	ON		YES	YES	YES
	4C/Mito/Giulietta	2013		Y	CAN TYPE3				ON	ON	ON	ON		YES	YES	YES
	Brera	2005	2010	Y	CAN	HARCP2.2-AR1		ON	ON		ON	ON	ON	YES	YES	YES
	Brera	2006	2010	Y	CAN	HARCP2-FI51	ON	ON		ON	ON	ON	ON			
	Giulietta	2010	2014	Y	CAN	HARCP2-FI51	ON	ON		ON	ON	ON	ON			
	Giulietta	2010	2014	Y	CAN			ON	ON	ON	ON	ON	ON	YES	YES	YES
	GT	2004	2008	N	Analogue			ON	ON	ON		ON	ON			
	GT	2008	2010	N	CAN			ON	ON	ON		ON	ON	YES	YES	YES
	GT	2004	2010	Y	CAN	HARCP2-FI51	ON	ON		ON	ON	ON	ON			
Audi	MiTo	2008	2014	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	MiTo	2008	2014	Y	CAN	HARCP2-FI51	ON	ON		ON	ON	ON	ON			
	A1	2010	2014	Y	CAN	HARCP2-VAG52		ON	ON		ON					
	A1	2010		Y	CAN			ON	ON		ON	ON	ON	YES	YES	YES
	A3	2003	2005	Y	CAN	HARCP2.2-AU3	ON	ON		ON	ON	ON	ON	YES	YES	YES
	A3	2003	2013	Y	CAN	HARCP2.2-AU1	ON	ON		ON	ON	ON	ON	YES	YES	YES
	A3	2003	2014	Y	CAN	HARCP2-VAG52		ON	ON		ON					
	A4	2001	2008	Y	CAN	HARCP2.2-AU3	ON	ON		ON	ON	ON	ON	YES	YES	YES
	A4	2001	2008	Y	CAN	HARCP2.2-AU1	ON	ON		ON	ON	ON	ON	YES	YES	YES
	A4	2004	2014	Y	CAN	HARCP2-VAG52		ON	ON		ON					
	A6	2004	2011	Y	CAN	HARCP2.2-AU1	ON	ON		ON	ON	ON	ON	YES	YES	YES
	R8	2008	2010	Y	CAN	HARCP2-VAG52		ON	ON		ON					
BMW	S4	2004	2009	Y	CAN	HARCP2-VAG52			ON	ON		ON				
	TT	2003	2006	Y	CAN	HARCP2.2-AU3	ON	ON		ON	ON	ON	ON	YES	YES	YES
	TT	2006	2014	Y	CAN	HARCP2.2-AU1	ON	ON		ON	ON	ON	ON	YES	YES	YES
	TT	2008	2010	Y	CAN	HARCP2-VAG52			ON	ON		ON				
	1 Series	2004	2011	Y	CAN	HARCP2-BM52	ON		ON	ON		ON	ON			
	1 Series	2004	2013	Y	CAN	HARCP2.2-BM1	ON	ON		ON		ON	ON	YES	YES	YES
	1 Series	2004	2013	Y	IBUS	HARCP2.2-BM3	ON		ON	ON		ON	ON			
	3 Series	2001	2002	Y	IBUS	HARCP2-BM32	ON	ON		ON		ON	ON			
	3 Series	2005	2013	Y	CAN	HARCP2.2-BM3	ON	ON		ON		ON	ON	YES	YES	YES
	3 Series	2005	2014	Y	CAN	HARCP2-BM52	ON		ON	ON		ON	ON			
	3 Series	2006	2013	Y	CAN	HARCP2.2-BM1	ON	ON		ON		ON	ON	YES	YES	YES
	5 Series	2000	2004	Y	IBUS	HARCP2-BM32	ON		ON	ON		ON	ON			
	5 Series	2004	2010	Y	CAN	HARCP2.2-BM3	ON	ON		ON		ON	ON	YES	YES	YES
	5 Series	2005	2010	Y	CAN	HARCP2.2-BM1	ON	ON		ON		ON	ON	YES	YES	YES
	5 Series	2007	2014	Y	CAN	HARCP2-BM52	ON	ON	ON		ON					
	6 Series	2004	2010	Y	CAN	HARCP2.2-BM1	ON	ON		ON		ON	ON	YES	YES	YES
	7 Series	1994	2001	Y	IBUS		ON		ON	ON		ON	ON			
	7 Series	2003	2008	Y	CAN	HARCP2.2-BM1	ON	ON		ON		ON	ON	YES	YES	YES
	Mini	2001	2006	Y	IBUS	HARCP2-BM32	ON		ON	ON		ON	ON			
	Mini	2001	2013	Y	CAN	HARCP2.2-BM1	ON	ON		ON		ON	ON	YES	YES	YES
Chery	Tiggo	2013		N	Analogue				ON		ON	ON				
	Delta	2011	2014	Y	CAN			ON	ON		ON	ON	ON	YES	YES	YES
Chrysler	Berlingo	2006	2011	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	Berlingo	2008		N	CAN			ON			ON	ON	ON	YES	YES	YES
	C1	2014		Y	Analogue		ON			ON	ON		ON			
	C2	2004	2009	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	C2	2005	2009	N	CAN			ON			ON	ON	ON	YES	YES	YES
	C3	2006	2014	Y	CAN	HARCP2-PSA52			ON	ON		ON	ON			
	C3	2006		N	CAN			ON			ON	ON	ON	YES	YES	YES
	C3 Picasso	2009	2014	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	C3 Picasso	2009		N	CAN			ON			ON	ON	ON	YES	YES	YES
	C4	2004	2010	N	CAN			ON			ON	ON	ON	YES	YES	YES
	C4 Aircross	2014		Y	Analogue			ON	ON		ON		ON			
	C4 Picasso	2007	2014	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	C5	2005	2008	N	CAN			ON			ON	ON	ON	YES	YES	YES
	C5	2005	2012	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	C6	2006	2014	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	C8	2003	2010	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	C8	2005	2014	N	CAN			ON			ON	ON	ON	YES	YES	YES
	Dispatch	2007	2016	Y	CAN	HARCP2-PSA52				ON	ON	ON	ON			
	Dispatch	2007		N	CAN			ON	ON	ON		ON	ON			
	DS3	2009		N	CAN			ON			ON	ON	ON	YES	YES	YES
	DS3	2010	2014	Y	CAN	HARCP2-PSA52			ON	ON	ON	ON	ON			
	Evasion	1996	2002	N	CAN			ON	ON	ON		ON	ON			
	Jumper	2006	2008	N	CAN			ON	ON	ON		ON	ON	YES	YES	YES
	Jumper	2008	2013	N	CAN			ON	ON			ON	ON	YES	YES	YES
	Jumper	2014		Y	CAN			ON			ON	ON	ON	YES	YES	YES
	Nemo	2007		Y	CAN			ON	ON	ON	ON	ON	ON			
	Relay	2006	2008	N	CAN			ON	ON	ON		ON	ON	YES	YES	YES
	Relay	2006	2014	N	CAN			ON			ON	ON	ON	YES	YES	YES
	Relay	2007		N	CAN			ON	ON	ON		ON	ON			
	Synergie	1996	2002	N	CAN			ON	ON	ON		ON	ON			

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	Dipswitch Setting							Outputs		
							1	2	3	4	5	6	7	Reverse	Speed	Park Brake
Chevrolet	Astra	1998	2011	N	Analogue				ON		ON	ON	ON			
	Aveo	2002	2011	Y	Analogue				ON	ON		ON	ON			
	Captiva	2006	2011	Y	Analogue				ON	ON			ON	ON		
	Celta	2002	2010	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Colorado	2012	2014	Y	Analogue		ON	ON			ON		ON			
	Corsa Classic	2002	2010	N	Analogue	HARCP2.2-VX1			ON			ON	ON			
	S10	2012		Y	Analogue		ON	ON			ON		ON			
	Sonic	2013		Y	Analogue				ON	ON						
	Spark	2010	2015	Y	Analogue				ON	ON				ON		
	Tracker		2009	N	Analogue		ON			ON			ON	ON		
	Urban	1998	2011	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
Daewoo	Vectra	2005	2011	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Viva	1998	2011	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
Daewoo	Winstorm	2008	2011	Y	Analogue				ON	ON		ON	ON			
DAF	CF (TYPE 1)	2017		N	CAN			ON	ON	ON	ON			YES	YES	YES
	CF (TYPE 2)	2017		N	CAN				ON	ON	ON	ON		YES	YES	YES
	XF (TYPE 1)	2017		N	CAN			ON	ON	ON	ON	ON		YES	YES	YES
	XF (TYPE 2)	2017		N	CAN				ON	ON	ON	ON		YES	YES	YES
Dodge	RAM ProMaster	2014		Y	CAN								ON	YES	YES	YES
Fiat	500	2007		Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	500	2008	2014	Y	CAN	HARCP2-FI51		ON	ON		ON	ON	ON			
	500L	2012		Y	CAN- Open Dash			ON	ON	ON	ON	ON	ON	YES	YES	YES
	500L	2012		Y	CAN-TYPE1				ON	ON	ON	ON	ON	YES	YES	YES
	500L	2012		Y	CAN TYPE2			ON		ON	ON	ON	ON	YES	YES	YES
	500L	2012		Y	CAN TYPE3					ON	ON	ON	ON	YES	YES	YES
	Bravo	2007	2014	Y	CAN				ON	ON		ON	ON	YES	YES	YES
	Doblo	2009	2015	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Ducato	2011	2014	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Ducato	2006	2008	N	CAN								ON	YES	YES	YES
	Ducato	2012	2014	N	CAN								ON			
	Ducato	2014	2014	Y	CAN								ON			
	Ducato	2007	2011	N	Analogue				ON				ON			
	Ducato	2015		Y	CAN-Open Dash			ON	ON	ON	ON	ON	ON	YES	YES	YES
	Ducato	2015		Y	CAN-TYPE1				ON	ON	ON	ON	ON	YES	YES	YES
	Ducato	2015		Y	CAN TYPE2			ON		ON	ON	ON	ON	YES	YES	YES
	Ducato	2015		Y	CAN TYPE3					ON	ON	ON	ON	YES	YES	YES
	Fiorino	2007		Y	CAN				ON	ON	ON	ON	ON			
	Grande Punto	2007	2011	Y	CAN	HARCP2-FI51		ON	ON			ON	ON			
	Idea	2006	2012	Y	CAN				ON	ON	ON	ON	ON			
	Multipla	2004		N	Analogue				ON				ON			
	Panda	2004	2007	N	Analogue				ON				ON			
	Panda	2007	2012	N	CAN				ON	ON			ON	ON		
	Punto	2005		Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Qubo	2007		Y	CAN				ON	ON	ON	ON	ON			
	Ritmo	2007	2014	Y	CAN				ON	ON		ON	ON			
	Sedici	2006	2014	N	Analogue								ON			
	Stilo	2004	2008	Y	CAN	HARCP2.2-AR1			ON	ON		ON	ON	YES	YES	YES
Ford	B-Max	2012		N	CAN/Analogue					ON			ON			
	C-Max	2003	2010	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	C-Max	2010		N	CAN/Analogue					ON			ON			
	Ecosport	2013		N	CAN/Analogue					ON			ON			
	Escape	2013		N	CAN/Analogue					ON			ON			
	Everest	2015		N	CAN/Analogue				ON				ON			
	F150	2004	2008	N	Analogue					ON			ON	ON		
	Falcon AU Series 2&3	2000	2002	N	Analogue								ON			
	Fiesta		2005	N	Analogue					ON			ON	ON		
	Fiesta	2005	2008	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Fiesta	2002	2009	N	Analogue	HARCP2-FD22							ON			
	Fiesta	2012		N	CAN/Analogue					ON			ON			
	Fiesta	2013		N	Analogue					ON			ON			
	Focus	1998	2004	N	Analogue					ON			ON	ON		
	Focus	2004	2011	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Focus	2003	2011	N	Analogue	HARCP2-FD22							ON			
	Focus	2011		N	CAN/Analogue					ON			ON			
	Fusion	2002	2005	N	Analogue					ON			ON	ON		
	Fusion	2005	2012	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Galaxy	2000	2006	N	Analogue					ON			ON	ON		
	Galaxy	2006	2014	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Galaxy	2006	2014	N	Analogue	HARCP2-FD22							ON			
	Kuga	2008	2012	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Kuga	2013		N	CAN/Analogue					ON			ON			
	Mondeo	2000	2004	N	Analogue					ON			ON	ON		
	Mondeo	2003	2014	N	Analogue	HARCP2-FD22							ON			
	Mondeo	2007	2014	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Puma	1997	2002	N	Analogue					ON			ON	ON		
	Ranger	2012		N	CAN/Analogue					ON			ON			
	Ranger	2013		N	CAN/Analogue			ON	ON				ON			
	Ranger	2015		N	CAN					ON			ON			
	S-Max	2006	2014	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	S-Max	2006	2016	N	Analogue	HARCP2-FD22							ON			
	Taurus	2008	2012	N	CAN/Analogue					ON			ON			
	Transit	2000	2006	N	Analogue					ON			ON	ON		
	Transit	2006	2013	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Transit	2006	2013	N	Analogue	HARCP2-FD22							ON			
	Transit	2013		N	Analogue					ON			ON	ON		
	Transit	2015		N	CAN					ON			ON			
	Transit Custom	2012	2016	N	CAN/Analogue					ON			ON			
	Transit Custom	2015		N	CAN					ON			ON			
	Transit Connect	2004	2013	N	CAN/Analogue	HARCP2.2-FO1			ON		ON	ON	ON	YES	YES	YES
	Transit Connect	2013		N	CAN/Analogue					ON			ON			

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	Dipswitch Setting							Outputs		
							1	2	3	4	5	6	7	Reverse	Speed	Park Brake
Great Wall	Steed	2011		N	Analogue		ON		ON			ON	ON			
	Wingle	2011		N	Analogue		ON		ON			ON	ON			
	H6	2012		N	Analogue		ON						ON			
Holden	Barina	2000	2005	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Captiva	2008	2014	Y	Analogue				ON	ON		ON	ON			
	Commodore VT-VX	1997	2002	N	Analogue		ON	ON			ON	ON	ON			
	Commodore VY-VZ	2002	2007	N	Analogue			ON		ON	ON	ON				
Harley Davidson	Street Glide	2015		N	CAN			ON	ON		ON	ON				
Honda	Amaze	2012		N	Analogue		ON	ON	ON		ON	ON	ON			
	City	2008	2013	N	Analogue		ON	ON	ON		ON	ON	ON			
	City	2014		Y	Analogue		ON	ON			ON	ON				
	Civic	2001	2005	N	Analogue	HARCP2-HD23	ON	ON	ON	ON						
	Civic	2005	2012	N	Analogue		ON	ON	ON		ON	ON	ON			
	Civic	2012		Y	CAN		ON		ON				ON	YES	YES	YES
	CR-V	2005	2007	N	Analogue	HARCP2-HD23	ON	ON	ON	ON						
	CR-V	2005	2007	N	Analogue		ON		ON		ON	ON				
	CR-V	2007	2009	N	Analogue		ON	ON	ON		ON	ON	ON			
	CR-V	2012		Y	CAN		ON	ON	ON				ON	YES	YES	YES
	Fit	2014		Y	Analogue		ON	ON			ON	ON				
	HR-V	2014		Y	Analogue		ON	ON			ON	ON				
	Jazz	2005	2008	N	Analogue					ON		ON				
	Jazz	2014		Y	Analogue		ON	ON			ON	ON				
	S2000	1999	2009	N	Analogue	HARCP2-HD23	ON				ON					
	S2000	2001		N	Analogue		ON		ON		ON	ON				
	S2000	2005	2009	N	Analogue		ON	ON	ON		ON	ON	ON			
Hyundai	Accent	2011	2019	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Azera	2011		Y	Analogue						ON		ON			
	Elantra	2011	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Elantra	2011		Y	Analogue						ON		ON			
	i10	2009		Y	Analogue						ON		ON			
	i20	2009		Y	Analogue						ON		ON			
	i30	2007		Y	Analogue						ON		ON			
	i30	2012	2016	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	i40	2011		Y	Analogue						ON		ON			
	i40	2012	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	i45	2009		Y	Analogue						ON		ON			
	i45	2010	2012	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	i800	2007		Y	Analogue						ON		ON			
	ix20	2010		Y	Analogue						ON		ON			
	ix35	2010		Y	Analogue						ON		ON			
	ix35	2010	2015	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	ix45	2013		Y	Analogue						ON		ON			
	iLoad	2008	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Santa Fe	2006		Y	Analogue						ON		ON			
	Santa Fe	2012	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Sonata	2008	2010	Y	Analogue						ON		ON			
	Tucson	2010		Y	Analogue						ON		ON			
	Tucson	2015	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Veloster	2012	2017	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
Isuzu	D-Max	2012		Y	Analogue		ON	ON			ON		ON			
	MU-X	2014		Y	Analogue		ON	ON			ON		ON			
Iveco	Daily	2014		Y	CAN			ON	ON	ON	ON	ON		YES	YES	YES
	Daily	2019		Y	LIN BUS											
JAC Motors	iJ3	2013		N	Analogue		ON	ON		ON			ON			
Jaguar	XJ8	1998	2003	Y	Analogue				ON		ON		ON			
	S Type	1999	2002	N	Analogue				ON			ON	ON			
	X Type	2001	2009	Y	Analogue		ON						ON			
Kia	Carnival	2015		N	CAN		ON	ON	ON			ON		YES	YES	YES
	Cee'd	2007	2009	Y	Analogue		ON	ON	ON	ON		ON	ON			
	Cee'd	2009	2012	Y	Analogue		ON	ON	ON	ON	ON	ON	ON			
	Cee'd	2013		Y	Analogue		ON	ON	ON	ON		ON	ON			
	Cee'd	2012		Y	Analogue						ON		ON			
	Cerato	2013	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Optima	2010	2015	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Optima	2014		Y	Analogue						ON		ON			
	Picanto	2011		Y	Analogue		ON	ON	ON	ON		ON	ON			
	Picanto	2016	2017	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Pro Cee'd	2014	2015	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Rio	2011		Y	Analogue		ON	ON	ON	ON		ON	ON			
	Rondo	2013	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Sorento	2009	2011	Y	Analogue		ON	ON	ON	ON		ON				
	Sorento	2013	2015	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Sorento	2015		N	CAN		ON	ON	ON		ON			YES	YES	YES
	Soul	2009	2011	Y	Analogue		ON	ON	ON	ON		ON				
	Soul	2014	2018	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Soul	2012		Y	Analogue		ON	ON	ON	ON		ON	ON			
	Sportage	2010	2015	Y	Analogue	HARCP2.2-HY1			ON	ON	ON	ON		YES		
	Sportage	2010		Y	Analogue		ON	ON	ON	ON		ON	ON			
	Venga	2009		Y	Analogue		ON	ON	ON	ON	ON	ON				
Lancia	Delta	2009		Y	CAN			ON	ON		ON	ON	ON			
Land Rover	Discovery	2001	2004	N	Analogue							ON	ON			
	Discovery	2004	2009	Y	CAN	HARCP2.2-LR1						ON	ON			
	Discovery	2004	2009	Y	CAN							ON		YES		YES
	Freelander	2001	2003	N	Analogue							ON	ON			
	Freelander	2006	2014	Y	CAN	HARCP2.2-LR2						ON	ON	YES		YES
	Freelander	2006	2014	Y	CAN							ON	ON	YES		YES
	Range Rover Sport	2005	2009	Y	CAN	HARCP2.2-LR1						ON	ON			
Lexus	Range Rover Sport	2005	2009	Y	CAN							ON	ON	YES		YES
	Lexus GS Series	2003	2009	Y	Analogue		ON	ON	ON		ON		ON			

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	Dipswitch Setting							Outputs			
							1	2	3	4	5	6	7	Reverse	Speed	Park Brake	
Lifan Motors	620	2009		N	Analogue		ON		ON		ON		ON				
	720	2012		N	Analogue		ON		ON		ON		ON				
Mahindra	Scorpio	2006		Y	Analogue		ON		ON		ON		ON				
Mazda	2	2003	2014	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	2	2007		N	Analogue			ON		ON			ON				
	3	2004	2008	N	CAN/Analogue			ON		ON	ON		ON	YES	YES	YES	
	3	2004	2015	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	5	2005	2015	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	6	2002	2015	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	6	2007	2009	N	CAN/Analogue			ON					ON	YES	YES	YES	
	323	1998	2003	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	626	2001	2002	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	CX-7	2008	2012	N	CAN/Analogue			ON			ON		ON	YES	YES	YES	
	CX-9	2007	2015	N	CAN/Analogue			ON			ON		ON	YES	YES	YES	
	Demio	1998	2003	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	MPV	1997	2005	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	MX-5	2001	2014	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	Premacy	1999	2004	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	RX-8	2003	2014	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
	Tribute	2001	2004	N	Analogue	HARCP2-MZ23	ON	ON	ON	ON	ON	ON					
Mercedes	A-Class	2004	2012	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	A-Class	2004	2012	Y	CAN	HARCP2.2-MC6	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	A-Class	2005	2012	Y	CAN	HARCP2-BM52					ON	ON	ON				
	B-Class	2005	2011	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	B-Class	2005	2011	Y	CAN	HARCP2.2-MC6	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	B-Class	2005	2011	Y	CAN	HARCP2-BM52				ON		ON	ON	ON			
	C-Class	2000	2004	Y	CAN		ON		ON	ON	ON	ON	ON				
	C-Class	2001	2004	N	CAN	HARCP2.2-MC2		ON		ON		ON		YES	YES	YES	
	C-Class	2004	2007	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	C-Class	2004	2007	Y	CAN	HARCP2.2-MC6	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	C-Class	2007	2014	Y	CAN	HARCP2-BM52				ON		ON	ON				
	C-Class	2007	2015	Y	CAN					ON	ON		ON		YES	YES	YES
	CLK	2001	2004	N	CAN	HARCP2.2-MC2		ON		ON		ON		YES	YES	YES	
	CLK	2006	2007	Y	CAN	HARCP2-BM52	ON	ON					ON	ON			
	CLS	2006	2008	Y	CAN	HARCP2-BM52		ON					ON	ON			
	E-Class	2002	2009	Y	CAN		ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	E-Class	2002	2009	Y	CAN	HARCP2.2-MC5	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	E-Class	2002	2009	Y	CAN	HARCP2.2-MC6	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	E-Class	2009	2014	Y	CAN	HARCP2-BM52				ON		ON	ON	ON			
	ML	2005	2011	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	ML	2005	2011	Y	CAN	HARCP2.2-MC6	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	R-Class	2006	2013	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	R-Class	2006	2013	Y	CAN	HARCP2.2-MC6	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	SLK	2004	2011	Y	CAN	HARCP2.2-MC5	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	SLK	2008	2011	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	SLK	2008	2011	Y	CAN	HARCP2.2-MC6	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	Sprinter	2006	2017	Y	CAN	HARCP2-BM52	ON						ON	ON			
	Sprinter	2006	2018	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	Sprinter	2018		Y	CAN		ON						ON		YES	YES	YES
	Viano	2006	2015	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	Vito	2006	2015	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
	Vito	2015		Y	CAN					ON	ON		ON		YES	YES	YES
	Vivano	2004	2015	Y	CAN		ON		ON	ON	ON	ON	ON	ON	YES	YES	YES
Mitsubishi	ASX	2010	2018	Y	Analogue	HARCP2.2-MT1	ON						ON				
	ASX	2010		Y	Analogue				ON	ON		ON		ON			
	Attrage	2015		Y	Analogue			ON	ON		ON		ON				
	Challenger	2009	2015	Y	Analogue	HARCP2.2-MT1	ON						ON				
	Delica	2007	2010	Y	Analogue	HARCP2.2-MT1	ON						ON				
	L200	2015		Y	Analogue			ON	ON			ON		ON			
	Lancer	2007	2010	Y	Analogue		ON				ON	ON		ON			
	Lancer	2007	2018	Y	Analogue	HARCP2.2-MT1	ON						ON				
	Lancer	2010		Y	Analogue			ON	ON			ON		ON			
	Mirage	2013	2019	Y	Analogue	HARCP2.2-MT1	ON						ON				
	Mirage	2013		Y	Analogue			ON	ON			ON		ON			
	Outlander	2003	2018	Y	Analogue	HARCP2.2-MT1	ON						ON				
	Outlander	2007	2010	Y	Analogue		ON				ON	ON		ON			
	Outlander	2010	2013	Y	Analogue			ON	ON			ON		ON			
	Outlander	2013		Y	CAN/Analogue		ON				ON			ON			
	Pajero	2006	2019	Y	Analogue	HARCP2.2-MT1	ON						ON				
	Pajero	2013		Y	Analogue			ON	ON			ON		ON			
	Pajero Sport	2016	2018	Y	Analogue	HARCP2.2-MT1	ON						ON				
	RVR	2010		Y	Analogue			ON	ON			ON		ON			
	Shogun	2013		Y	Analogue			ON	ON			ON		ON			
	Space Star	2015		Y	Analogue			ON	ON			ON		ON			
Triton	2007		Y	Analogue	HARCP2.2-MT1	ON						ON					
Triton	2015		Y	Analogue			ON	ON			ON		ON				
Nissan	350z	2003		N	Analogue		ON	ON	ON		ON	ON					
	Almera	2000	2006	N	Analogue		ON	ON	ON		ON	ON					
	Cube	2009	2014	N	Analogue	HARCP2-NI23		ON	ON				ON				
	Cube	2009		Y	Analogue		ON		ON	ON			ON				
	Evalia	2013		Y	Analogue		ON		ON	ON			ON				
	Frontier	2009	2012	N	Analogue	HARCP2-NI23	ON	ON					ON				
	Frontier	2009		Y	Analogue		ON		ON	ON			ON				
	Juke	2010		N	Analogue	HARCP2-NI23		ON	ON				ON				
	Juke	2010		Y	Analogue		ON		ON	ON			ON				
	March	2010		Y	Analogue		ON		ON	ON			ON				
	Micra	2007	2010	Y	Analogue					ON			ON	ON			
	Micra	2010	2013	N	Analogue	HARCP2-NI23	ON	ON					ON				
Micra	2010		Y	Analogue		ON		ON	ON			ON					

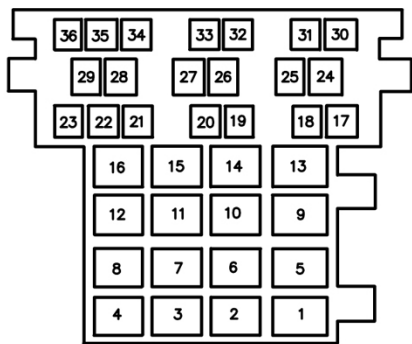
Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	Dipswitch Setting							Outputs		
							1	2	3	4	5	6	7	Reverse	Speed	Park Brake
Nissan	Murano	2005	2008	N	Analogue	HARCP2-NI23		ON	ON				ON			
	Navara	2006		N	Analogue		ON	ON	ON		ON	ON				
	Navara	2009		Y	Analogue				ON	ON			ON			
	Navara	2010		Y	Analogue					ON			ON	ON		
	Note	2006	2014	N	Analogue	HARCP2-NI23		ON	ON				ON			
	Note	2009	2012	Y	Analogue		ON	ON	ON	ON			ON			
	Note	2012		Y	Analogue		ON		ON	ON				ON		
	NV200	2013	2015	N	Analogue	HARCP2-NI23		ON	ON				ON			
	NV200	2013		Y	Analogue		ON		ON	ON			ON			
	Pathfinder	2013	2014	N	Analogue	HARCP2-NI23	ON	ON		ON			ON			
	Pathfinder	2013		Y	Analogue		ON		ON	ON				ON		
	Primera	2013	2007	N	Analogue		ON	ON	ON		ON	ON				
	Pulse	2011		Y	Analogue		ON		ON	ON			ON			
	Qashqai	2006	2013	N	Analogue	HARCP2-NI23	ON	ON					ON			
	Qashqai	2007	2013	Y	Analogue					ON			ON			
	Quest	2010		Y	Analogue		ON		ON	ON			ON			
	Quest	2011		N	Analogue	HARCP2-NI23	ON	ON					ON			
	Sentra	2013		Y	Analogue		ON		ON	ON			ON			
	Sunny	2012		Y	Analogue		ON		ON	ON			ON			
	Terrano	2001	2006	N	Analogue		ON	ON	ON		ON	ON				
	Tilda	2007	2014	Y	Analogue		ON	ON	ON	ON			ON			
	Titan	2009	2010	N	Analogue	HARCP2-NI23	ON	ON					ON			
	Titan	2009		Y	Analogue		ON		ON	ON			ON			
	Versa	2007	2012	N	Analogue	HARCP2-NI23	ON	ON					ON			
	Versa	2008		Y	Analogue		ON		ON	ON			ON			
	Xterra	2005	2013	N	Analogue	HARCP2-NI23	ON	ON								
	Xterra	2014	2015	N	Analogue	HARCP2-NI23		ON	ON				ON			
	Xterra	2009		Y	Analogue		ON		ON	ON			ON			
	X-Trail	2001	2008	N	Analogue		ON	ON	ON		ON	ON				
	X-Trail	2001	2014	N	Analogue	HARCP2-NI23		ON	ON				ON			
	X-Trail	2009	2014	Y	Analogue					ON		ON	ON			
	X-Trail	2013		N	Analogue			ON	ON	ON			ON			
Peugeot	108	2014		Y	Analogue		ON	ON	ON		ON		ON			
	206	1998	2002	N	Analogue			ON					ON			
	207	2006	2012	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	207	2007	2014	Y	CAN	HARCP2-PSA52					ON	ON	ON			
	208	2012	2013	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	306	1998	2002	N	Analogue			ON					ON			
	307	2005	2008	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	307	2005	2008	Y	CAN	HARCP2-PSA52	ON	ON	ON		ON	ON	ON			
	308	2007	2013	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	3008	2009	2013	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	407	2004	2010	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	407	2004	2011	Y	CAN	HARCP2-PSA52	ON		ON		ON	ON	ON			
	4007	2007		Y	Analogue		ON			ON	ON		ON			
	4008	2010	2017	Y	Analogue	HARCP2.2-MT1	ON						ON			
	4008	2014		Y	Analogue			ON	ON		ON		ON			
	5008	2009	2013	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	607	2005	2009	Y	CAN	HARCP2-PSA52	ON			ON	ON	ON	ON			
	607	2005	2012	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	806	1996	2002	N	Analogue			ON					ON	ON		
	807	2005	2010	Y	CAN	HARCP2-PSA52	ON			ON	ON	ON	ON			
	807	2005	2014	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	Bipper	2008		Y	CAN			ON	ON	ON	ON	ON	ON			
	Boxer	2006	2008	N	CAN			ON	ON	ON		ON	ON	YES	YES	YES
	Boxer	2008	2014	N	CAN			ON	ON				ON	YES	YES	YES
	Boxer	2014		Y	CAN		ON		ON	ON	ON	ON		YES	YES	YES
	Expert	2007	2014	Y	CAN	HARCP2-PSA52	ON			ON	ON	ON	ON			
	Partner	2008	2013	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
	RCZ	2010	2013	N	CAN	HARCP2.2-PE1		ON			ON	ON	ON	YES	YES	YES
Porsche	Cayenne	2002	2007	N	CAN	HARCP2.2-PO2	ON	ON		ON	ON	ON	ON	YES	YES	YES
	Cayenne	2007	2010	N	CAN	HARCP2.2-PO3	ON	ON		ON	ON	ON	ON	YES	YES	YES
Proton	GEN-2	2004		N	Analogue			ON	ON				ON	ON		
Renault	Clio	2005	2009	N	CAN					ON	ON	ON	ON	YES	YES	YES
	Clio	2009	2013	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
	Fluence	2010	2011	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
	Laguna	2005	2007	N	CAN					ON	ON	ON	ON	YES	YES	YES
	Laguna	2008	2012	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
	Megane	2005	2008	N	CAN					ON	ON	ON	ON	YES	YES	YES
	Megane	2008	2012	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
	Modus	2005	2012	N	CAN					ON	ON	ON	ON	YES	YES	YES
	Scala	2011		N	Analogue		ON		ON	ON			ON			
	Scenic	2005	2009	N	CAN					ON	ON	ON	ON	YES	YES	YES
	Scenic	2009	2014	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
	Trafic	2006		N	CAN						ON	ON	ON	YES	YES	YES
	Trafic	2010	2013	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
	Twingo	2007	2009	N	CAN					ON	ON	ON	ON	YES	YES	YES
	Twingo	2009	2014	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
	Wind	2010	2013	Y	CAN	HARCP2.2-RN1					ON	ON	ON	YES	YES	YES
Rover	25	2000	2005	N	Analogue						ON	ON				
	25	2000	2005	N	Analogue						ON	ON	ON			
	45	2000	2005	N	Analogue						ON	ON				
	45	2000	2005	N	Analogue						ON	ON	ON			
	75	2000	2004	N	Analogue							ON	ON			
	75	2000	2005	N	Analogue						ON	ON				
	75	2000	2005	N	Analogue						ON	ON	ON			
	ZR	2001	2005	N	Analogue							ON	ON			
	ZS	2001	2005	N	Analogue						ON	ON				
	ZT	2001	2005	N	Analogue						ON	ON				

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	Dipswitch Setting							Outputs		
							1	2	3	4	5	6	7	Reverse	Speed	Park Brake
SAAB	93	1998	2002	N	Analogue		ON	ON	ON	ON		ON				
	95	1998	2002	N	Analogue		ON	ON	ON	ON		ON				
Scania	R 480	2004	2015	N	CAN		ON			ON	ON	ON	ON			
Skoda	Fabia	2007	2014	Y	CAN		ON	ON			ON	ON	ON	YES	YES	YES
	Fabia	2013		N	CAN		ON	ON			ON	ON	ON	YES	YES	YES
	Octavia	2004	2008	Y	CAN		ON	ON			ON	ON	ON	YES	YES	YES
	Octavia	2008	2013	N	CAN		ON	ON			ON	ON	ON	YES	YES	YES
	Rapid	2010		N	CAN		ON	ON			ON	ON	ON	YES	YES	YES
	Roomster	2008	2015	Y	CAN		ON	ON			ON	ON	ON	YES	YES	YES
	Superb	2008	2013	N	CAN		ON	ON			ON	ON	ON	YES	YES	YES
	Yeti	2010	2014	N	CAN		ON	ON			ON	ON	ON	YES	YES	YES
SEAT	Yeti	2014		Y	CAN		ON	ON		ON	ON	ON	ON	YES	YES	YES
	Altea	2004	2015	Y	CAN	HARCP2.2-ST1	ON	ON			ON	ON	ON	YES	YES	YES
	Altea	2007	2014	Y	CAN	HARCP2-VAG52		ON		ON	ON	ON	ON			
	Alhambra	2015		Y	CAN		ON	ON		ON	ON	ON	ON	YES	YES	YES
	Exeo	2009	2013	Y	CAN		ON	ON		ON	ON	ON	ON	YES	YES	YES
	Ibiza	2008	2012	Y	CAN	HARCP2-VAG52		ON		ON	ON	ON	ON			
	Ibiza	2008	2016	Y	CAN	HARCP2.2-ST1	ON	ON			ON	ON	ON	YES	YES	YES
	Leon	2005	2012	Y	CAN	HARCP2-VAG52		ON		ON	ON	ON	ON			
Subaru	Leon	2005	2012	Y	CAN	HARCP2.2-ST1	ON	ON			ON	ON	ON	YES	YES	YES
	Toledo	2005	2015	Y	CAN	HARCP2.2-ST1	ON	ON			ON	ON	ON	YES	YES	YES
	Forester	2007	2011	Y	Analogue		ON	ON			ON	ON	ON			
	Forester	2007	2014	Y	Analogue	HARCP2.2-SU1	ON	ON	ON	ON			ON			
	Forester	2012		Y	Analogue		ON				ON		ON			
	Forester	2015		Y	Analogue			ON	ON	ON		ON				
	Impreza	2007	2012	Y	Analogue		ON				ON	ON	ON			
	Impreza	2007	2014	Y	Analogue	HARCP2.2-SU1	ON	ON	ON	ON			ON			
	Impreza	2012	2015	Y	Analogue		ON				ON		ON			
	Impreza	2015		Y	Analogue			ON	ON	ON		ON				
SsangYong	Outback	2012		Y	Analogue		ON				ON		ON			
	XV	2012	2014	Y	Analogue	HARCP2.2-SU1	ON	ON	ON	ON			ON			
	XV	2012	2015	Y	Analogue		ON				ON		ON			
	XV	2015		Y	Analogue			ON	ON	ON		ON				
	Actyon	2006		N	Analogue					ON	ON		ON			
	Actyon	2012		Y	Analogue				ON	ON	ON		ON			
	Korando	2010		Y	Analogue		ON			ON	ON	ON	ON			
	Korando	2010		N	Analogue					ON	ON		ON			
	Korando Sport	2012		N	Analogue					ON	ON		ON			
	Korando Sport	2012		Y	Analogue				ON	ON	ON		ON			
	Rexton	2007	2012	N	Analogue					ON	ON		ON			
	Rexton	2007		Y	Analogue				ON	ON	ON		ON			
	Rexton W	2013		Y	Analogue				ON	ON	ON		ON			
Suzuki	Rodius	2013		N	Analogue					ON	ON		ON			
	Rodius Turismo	2013		Y	Analogue				ON	ON	ON		ON			
	Stavic	2013		Y	Analogue				ON	ON	ON		ON			
	Tivoli EX/ELX	2015		Y	Analogue					ON	ON	ON				
	Tivoli SE	2015		Y	Analogue		ON	ON	ON		ON	ON				
	Dzire	2008	2010	N	Analogue		ON			ON		ON	ON			
	Ertiga	2012	2015	Y	Analogue		ON			ON		ON	ON			
	Fun	2002	2010	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Grand Nomade		2009	N	Analogue		ON			ON		ON	ON			
	Grand Vitara	2001	2014	N	Analogue	HARCP2-HD23					ON		ON			
	Grand Vitara	2005	2011	N	Analogue		ON			ON		ON	ON			
	Grand Vitara	2011	2015	Y	Analogue		ON			ON		ON	ON			
	Ritz	2009		N	Analogue		ON			ON		ON	ON			
	Splash	2008	2014	N	Analogue	HARCP2-HD23					ON		ON			
	Splash	2009		N	Analogue		ON			ON		ON	ON			
	Swift	2005	2011	N	Analogue	HARCP2-HD23					ON		ON			
	Swift	2006	2011	N	Analogue		ON			ON		ON	ON			
	Swift	2011		Y	Analogue		ON			ON		ON	ON			
	SX4	2006	2014	N	Analogue	HARCP2-HD23					ON		ON			
	SX4	2006		N	Analogue		ON			ON		ON	ON			
	SX4 S Cross	2013		Y	Analogue		ON			ON		ON	ON			
	Vitara	2015		Y	Analogue		ON			ON		ON	ON			
Tata	Indigo	2006		Y	Analogue			ON		ON		ON	ON			
	Manza	2012		Y	Analogue			ON		ON		ON	ON			
	Vista	2012		Y	Analogue			ON		ON		ON	ON			
Toyota	4Runner	2002		Y	Analogue		ON	ON	ON		ON		ON			
	4Runner	2003	2014	N	Analogue	HARCP2-TOY23		ON				ON	ON			
	Auris	2007	2014	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	Avanza	2003		Y	Analogue		ON	ON	ON		ON		ON			
	Avenis	2001		Y	Analogue		ON	ON	ON		ON		ON			
	Avenis	2003	2008	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	Aygo	2014		Y	Analogue		ON	ON	ON		ON		ON			
	Corolla	2001		Y	Analogue		ON	ON	ON		ON		ON			
	Corolla	2001	2014	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	Estima	2006		Y	Analogue		ON	ON	ON		ON		ON			
	Fortuner	2005		Y	Analogue		ON	ON	ON		ON		ON			
	Hilux	2012		Y	Analogue		ON	ON	ON		ON		ON			
	Innova	2006		Y	Analogue		ON	ON	ON		ON		ON			
	Landcruiser	2003	2010	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	Landcruiser	2007		Y	Analogue		ON	ON	ON		ON		ON			
	Matrix	2003		Y	Analogue		ON	ON	ON		ON		ON			
	Matrix	2009	2014	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	Prado	2007		Y	Analogue		ON	ON	ON		ON		ON			
	Previa	2006		Y	Analogue		ON	ON	ON		ON		ON			
	Prius	2004	2017	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	Prius+	2012	2014	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	RAV-4	2001		Y	Analogue		ON	ON	ON		ON		ON			

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	Dipswitch Setting							Outputs		
							1	2	3	4	5	6	7	Reverse	Speed	Park Brake
Toyota	RAV-4	2006	2014	N	Analogue	HARCP2-TOY23		ON			ON		ON			
	Rush	2006		Y	Analogue		ON	ON	ON				ON			
	Verso	2011		Y	Analogue		ON	ON	ON		ON		ON			
	Vios	2006		Y	Analogue		ON	ON	ON		ON		ON			
	Yaris	2001		Y	Analogue		ON	ON	ON				ON			
	Yaris	2006	2014	N	Analogue	HARCP2-TOY23		ON			ON		ON			
Volvo	S60	2001	2004	N	CAN	HARCP2-VO53		ON	ON	ON		ON	ON			
	S60	2004	2004	N	CAN		ON		ON	ON		ON		YES		YES
	S60	2004	2007	N	CAN	HARCP2-VO53	ON	ON		ON	ON		ON			
	S80	1998	2006	N	CAN	HARCP2-VO53	ON	ON		ON	ON		ON			
	V70	2000	2004	N	CAN		ON		ON	ON		ON		YES		YES
	V70	2001	2004	N	CAN	HARCP2-VO53		ON	ON	ON			ON			
	V70	2004	2007	N	CAN	HARCP2-VO53	ON	ON		ON	ON		ON			
	XC70	2000	2004	N	CAN	HARCP2-VO53		ON	ON	ON			ON			
	XC70	2004	2007	N	CAN	HARCP2-VO53	ON	ON		ON	ON		ON			
	XC90	2002	2014	N	CAN	HARCP2-VO53	ON	ON		ON	ON		ON			
VW	Amarok	2010		Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Beetle	2014	2016	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Beetle	2015		Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Caddy	2015		Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	CC	2009	2014	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Crafter	2006		Y	CAN		ON		ON	ON	ON	ON	ON	YES	YES	YES
	Crafter	2006		Y	CAN		ON		ON	ON	ON	ON	ON	YES		YES
	Crafter	2012	2014	Y	CAN	HARCP2.2-MC1	ON		ON	ON	ON	ON	ON	YES	YES	YES
	Crafter	2014		Y	CAN		ON		ON	ON	ON	ON	ON	YES	YES	YES
	EOS	2006	2013	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	EOS	2006	2015	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Fusca	2005	2011	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Gol	2012		Y	CAN				ON				ON			
	Golf	2002	2014	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Golf	2003	2013	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	GTI	2006	2014	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Jetta	2002	2014	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Jetta	2005	2015	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Jetta	2015		Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Magotan	2005	2011	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Multivan	2003	2008	N	CAN		ON	ON				ON	ON	YES	YES	YES
	Passat	2002	2014	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Passat	2005	2015	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Polo	2005	2014	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Rabbit	2006	2009	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Routan	2009	2012	Y	CAN	HARCP2-VAG52	ON			ON	ON					
	Sagitar	2005	2011	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Scirocco	2008	2015	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Sharan	2015		Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Suran	2009		Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	T-6	2015		Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Tiguan	2008	2014	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Tiguan	2007	2015	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Tiguan	2015		Y	CAN		ON	ON			ON		ON	YES	YES	YES
	Touareg	2003	2010	N	CAN		ON	ON				ON	ON	YES	YES	YES
	Touareg	2004	2010	Y	CAN	HARCP2-VAG52	ON			ON		ON	ON			
	Touran	2003	2015	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Touran	2006	2015	Y	CAN	HARCP2-VAG52	ON	ON			ON		ON			
	Transporter	2003	2015	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
	Vento	2005	2011	Y	CAN		ON	ON		ON	ON		ON	YES	YES	YES
Vauxhall/Opel	Agila	2000	2014	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Agila	2009	2015	N	Analogue		ON			ON		ON	ON			
	Antara	2006	2010	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Antara	2008	2014	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Antara	2010		N	CAN		ON	ON		ON		ON		YES	YES	YES
	Astra	1998	2004	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Astra	2004	2010	Y	CAN			ON	ON	ON	ON	ON	ON	YES	YES	YES
	Astra	2004	2011	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Astra Classic	2004	2009	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Astra Van	2006	2013	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Combo	2012	2014	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Corsa	2000	2004	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Corsa	2000	2014	N	CLASS II	HARCP2-VX52	ON			ON	ON	ON	ON			
	Corsa	2005	2009	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Corsa Van	2001	2014	N	CLASS II	HARCP2-VX52	ON			ON	ON	ON	ON			
	Meriva	2003	2005	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Meriva	2003	2010	N	CLASS II	HARCP2-VX52	ON			ON	ON	ON	ON			
	Meriva	2007	2010	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Omega	2000	2003	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Signum	2003	2008	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Signum	2005	2008	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Tigra	2004	2009	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Tigra	2005	2009	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Vectra	1998	2004	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Vectra	2002	2009	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Vectra	2004	2008	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES
	Vivaro	2002	2006	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Vivaro	2011	2013	Y	CAN						ON	ON	ON	YES	YES	YES
	Zafira	1999	2005	N	Analogue	HARCP2.2-VX1			ON		ON	ON	ON			
	Zafira	2005	2014	N	CLASS II	HARCP2-VX52		ON	ON	ON	ON	ON	ON			
	Zafira	2005	2014	Y	CAN				ON	ON	ON	ON	ON	YES	YES	YES

ALFA ROMEO

Mini-ISO Vehicles

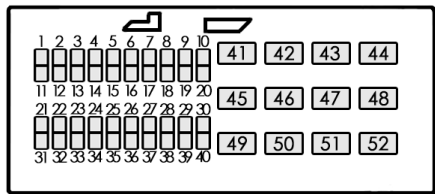


147/156/GT Analogue	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
Batt 12V	2
Ground	4

147/GT CAN-Bus	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

159/Brera/Giulietta/Mito	
Interface Wire	Pin Number
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

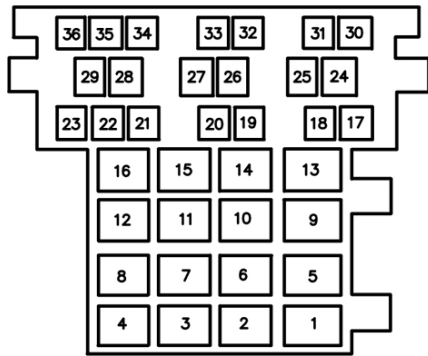
Giulietta/Mito/4C OEM Specific



Giulietta/Mito/4C	
Interface Wire	Pin Number
CAN High	2
CAN Low	12
Batt 12V	44
Ground	43

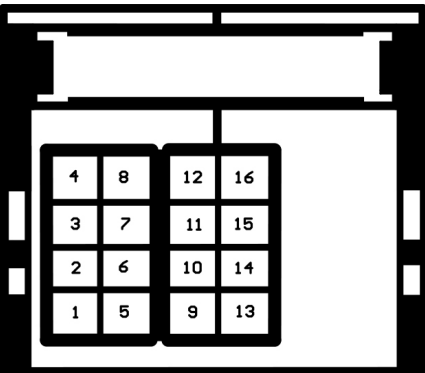
AUDI

Mini-ISO Vehicles



CAN-Bus Vehicles	
Interface Wire	Pin Number
CAN High	32
CAN Low	27
Batt 12V	2
Ground	4

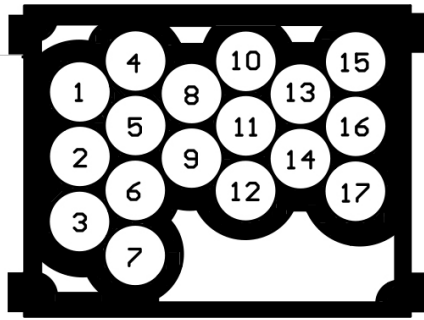
Audi CAN-Bus Quadlock



Audi CAN-Bus Quadlock	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Batt 12V	15
Ground	12

BMW

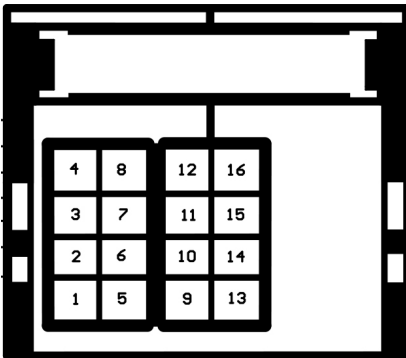
17 Way Round Pin i-Bus Vehicles



17 Way i-Bus Vehicles	
Interface Wire	Pin Number
Analogue 2	14
Batt 12V	11
Ground	10

*Note that the Batt 12V wire should be connected directly to the vehicle battery as the vehicle connector does not have a permanent 12V feed.

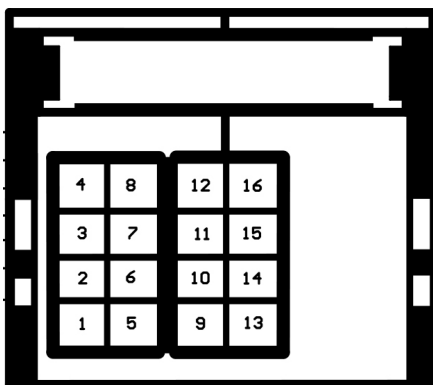
40 Way Flat Pin Quadlock i-Bus Vehicles



40 Way i-Bus Vehicles	
Interface Wire	Pin Number
Analogue 2	9
Batt 12V	15
Ground	12

*Note that BMW i-Bus vehicles require a 4k7 resistor putting between the Batt 12V wire and the i-Bus wire (Analogue 2).

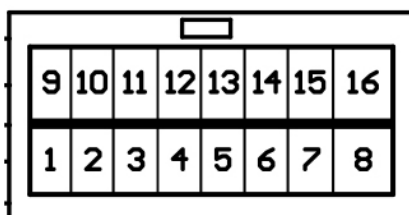
Quadlock CAN-Bus Vehicles



Quadlock CAN-Bus Vehicles	
Interface Wire	Pin Number
CAN High	11
CAN Low	9
Batt 12V	To Battery*
Ground	12

CHERY

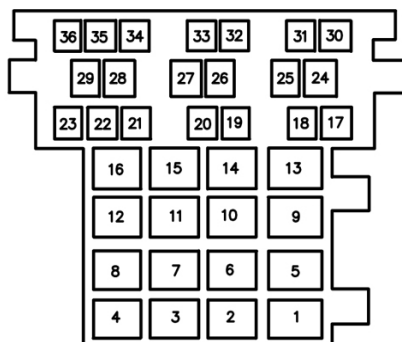
16 Way Kenwood Connector



Chery Tigo	
Interface Wire	Pin Number
Analogue 1	2
Analogue Ground	5
Batt 12V	8
Ground	16

CHRYSLER

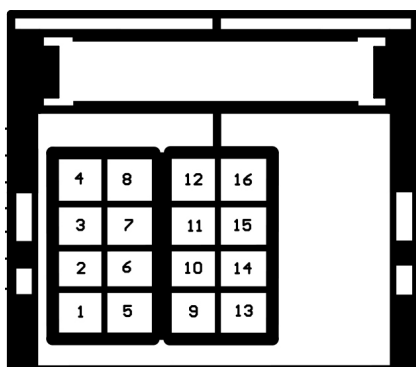
Mini ISO Connector



Chrysler Delta	
Interface Wire	Pin Number
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

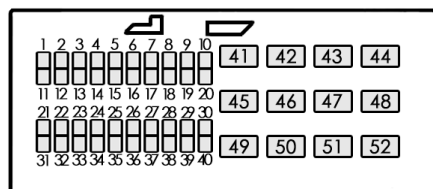
CITROEN

Quadlock CAN-Bus Vehicles



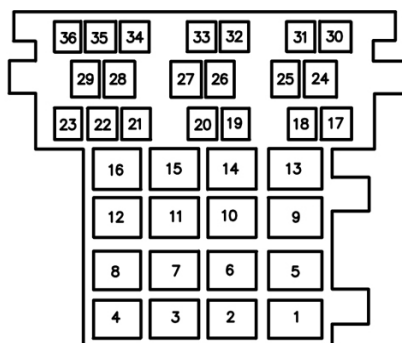
Quadlock CAN-Bus Vehicles	
Interface Wire	Pin Number
CAN High	10
CAN Low	13
Batt 12V	12
Ground	16

Jumper OEM Specific



Jumper CAN-Bus 2014>	
Interface Wire	Pin Number
CAN High	2
CAN Low	12
Batt 12V	44
Ground	43

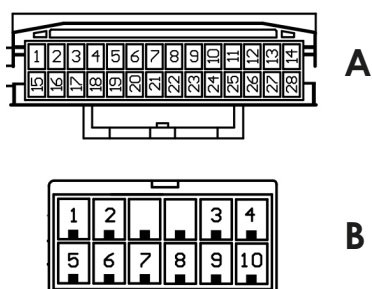
Mini ISO Connector



Relay/Jumper 2006-2008 Relay/Jumper 2008-2013 Evasion/Synergie 2006-2002 Dispatch 2007	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

CITROEN cont'd.

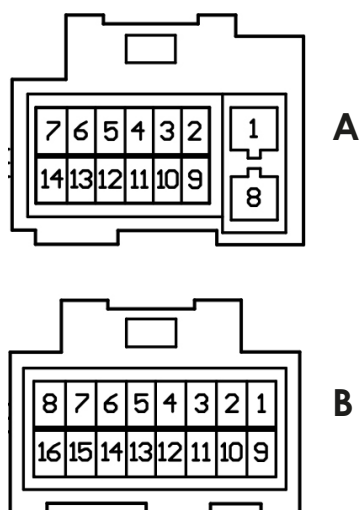
C1 OEM Specific



C1	
Interface Wire	Pin Number
Analogue 1	A20
Analogue 2	A19
Analogue Ground	A21
Batt 12V	B4
Ground	B7

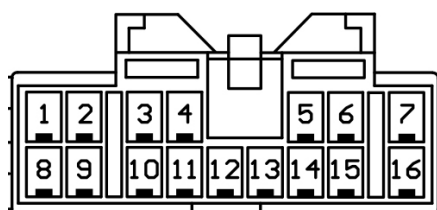
DAEWOO

Fujitsu Ten Specific Connector



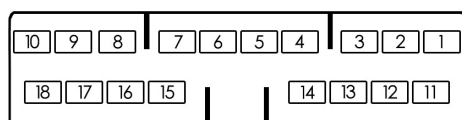
Aveo, Captiva, Daewoo Winstorm, Holden Captiva	
Interface Wire	Pin Number
Analogue 2	B12
Analogue Ground	A12
Batt 12V	A1
Ground	A8

White S10 Connector



S10	
Interface Wire	Pin Number
Analogue 1	5
Analogue Ground	13
Batt 12V	14
Ground	10

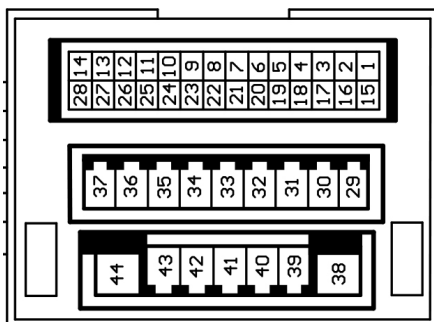
White Spark Connector



Spark 2010-2012	
Interface Wire	Pin Number
Analogue 1	8
Analogue Ground	5
Batt 12V	15
Ground	6

CHEVROLET cont'd.

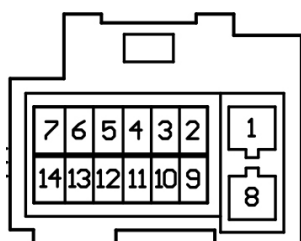
Spark/Sonic OEM Specific



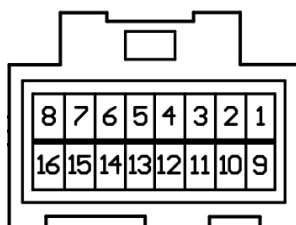
Spark, Sonic	
Interface Wire	Pin Number
Analogue 2	19
Analogue Ground	5
Batt 12V	44
Ground	38

DAEWOO

Fujitsu Ten Specific Connector



A

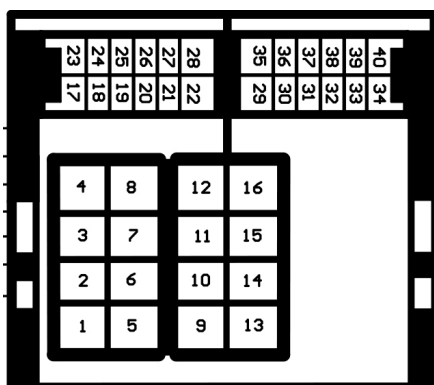


B

Winstorm	
Interface Wire	Pin Number
Analogue 2	B12
Analogue Ground	A12
Batt 12V	A1
Ground	A8

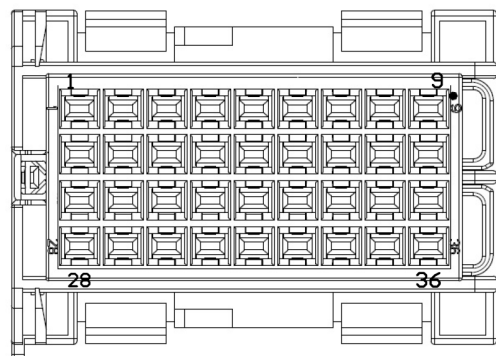
DAF

40 Way MOST Quadlock CAN-Bus Vehicles



DAF CF/XF Quadlock	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Batt 12V	15
Ground	12

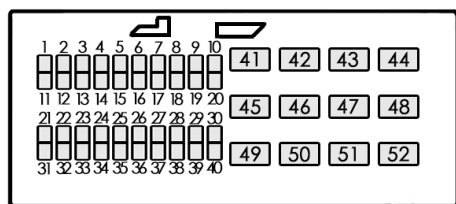
OEM Specific



DAF CF/XF No OEM Radio	
Interface Wire	Pin Number
CAN High	21
CAN Low	20
Batt 12V	25
Ground	1

DODGE

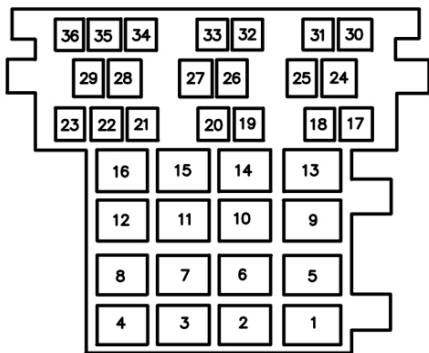
OEM Specific Connector



RAM Promaster	
Interface Wire	Pin Number
CAN High	2
CAN Low	12
Batt 12V	44
Ground	43

FIAT

Mini ISO Connector



Panda	
Interface Wire	Pin Number
CAN High	5
CAN Low	6
Analogue 1	20
Analogue 2	33
Analogue Ground	27
Batt 12V	2
Ground	4

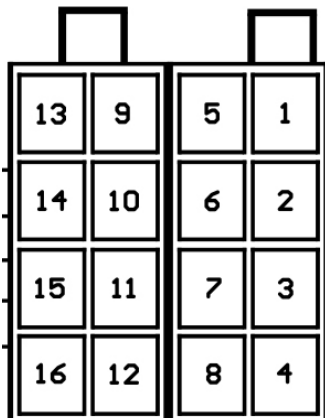
Ducato 07-11, Multipla 04, Panda 04-07	
Interface Wire	Pin Number
Analogue 1	17
Analogue 2	30
Analogue Ground	24
Batt 12V	8
Ground	4

Ducato <2008	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

500, Qubo, Punto, Ducato, Fiorino, Idea, Doblo	
Interface Wire	Pin Number
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

Ducato 2008>	
Interface Wire	Pin Number
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

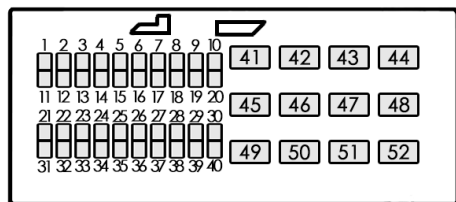
8 Way ISO Connector



Bravo, Ritmo, Stilo	
Interface Wire	Pin Number
Analogue 1	5
Analogue 2	1
Analogue Ground	4
Batt 12V	8
Ground	4

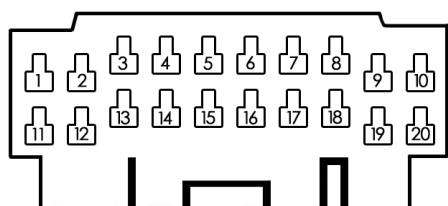
FIAT cont'd.

OEM Specific Connector



500L, RAM Promaster, Ducato 2014>	
Interface Wire	Pin Number
CAN High	2
CAN Low	12
Batt 12V	44
Ground	43

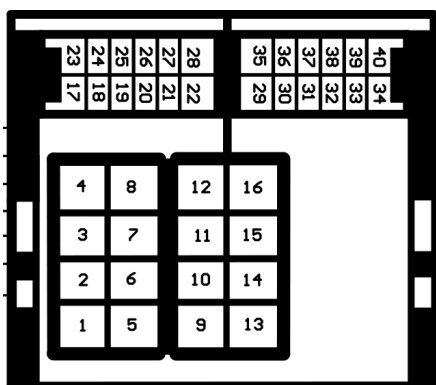
Sedici OEM Connector



Sedici 2006-2014	
Interface Wire	Pin Number
Analogue 1	8
Analogue 2	19
Analogue Ground	20
Batt 12V	1
Ground	11

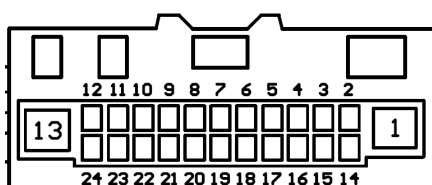
FORD

Quadlock CAN-Bus Vehicles



Quadlock CAN-Bus Vehicles	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Analogue 1	22
Analogue Ground	24
Batt 12V	15
Ground	12

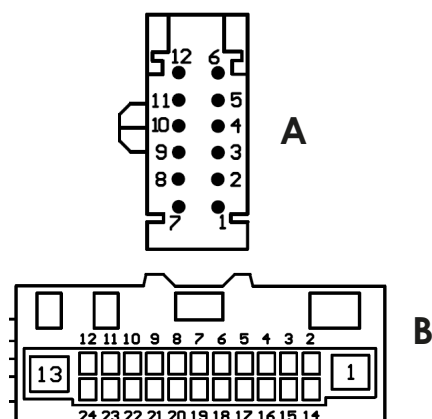
24 Way Ford Connector



Everest, Transit-Custom, Transit, Ranger 15+	
Interface Wire	Pin Number
CAN High	14
CAN Low	15
Batt 12V	1
Ground	13

FORD cont'd.

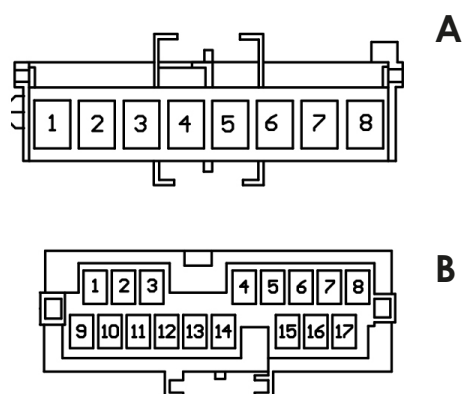
24 Way New Connector (Vehicles with Display)



B-Max, Kuga, Fiesta, C-Max, Focus, Transit-Custom, Transit-Connect Escape, Ecosport, Taurus, Ranger (inc. S.American Models)

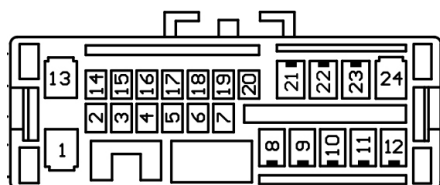
Interface Wire	Pin Number
CAN High	A4
CAN Low	A5
Analogue 1	A7
Analogue Ground	A10
Batt 12V	B1
Ground	B13

Old Style Analogue Vehicles



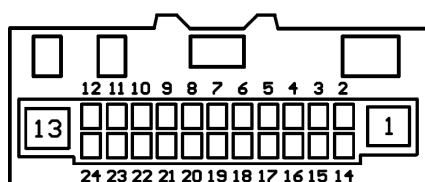
Old Style Analogue	
Interface Wire	Pin Number
Analogue 1	B5
Analogue Ground	B6
Batt 12V	A3
Ground	A8

Fiesta/F150/Fusion



Fiesta 02-05, F150 04-08, Fusion 02-05 Analogue	
Interface Wire	Pin Number
Analogue 1	18
Analogue Ground	19
Batt 12V	1
Ground	13

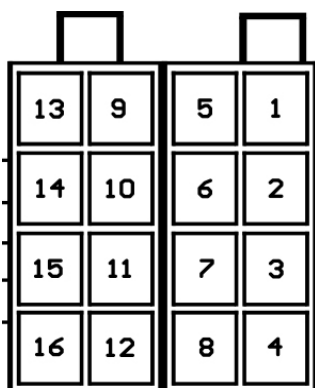
Fiesta/Transit (Vehicles without Display)



Fiesta, Transit 2013>	
Interface Wire	Pin Number
Analogue 1	9
Analogue Ground	20
Batt 12V	1
Ground	13

GREAT WALL

8 Way ISO Connector

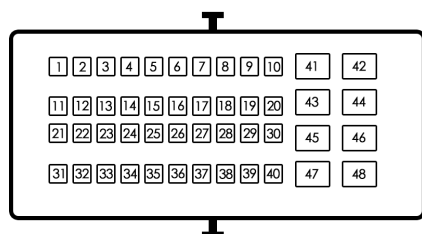


Steed, Wingle	
Interface Wire	Pin Number
Analogue 2	1
Analogue Ground	5
Batt 12V	8
Ground	4

H6	
Interface Wire	Pin Number
Analogue 1	6
Analogue 2	1
Analogue Ground	5
Batt 12V	8
Ground	4

HARLEY DAVIDSON

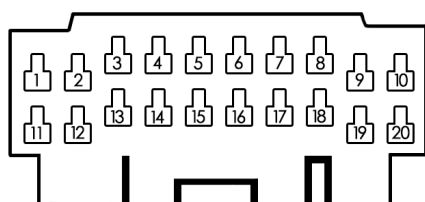
Street Glide OEM Connector



Street Glide	
Interface Wire	Pin Number
CAN High	1
CAN Low	11
Batt 12V	46
Ground	45

HONDA

CR-V/S2000/Jazz OEM Specific

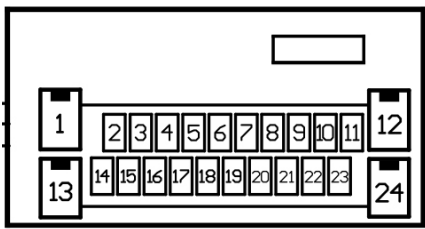


CR-V 05-07, S2000 2001>	
Interface Wire	Pin Number
Analogue 1	8
Analogue Ground	7
Batt 12V	1
Ground	11

Jazz 05-08	
Interface Wire	Pin Number
Analogue 1	8
Analogue Ground	20
Batt 12V	1
Ground	11

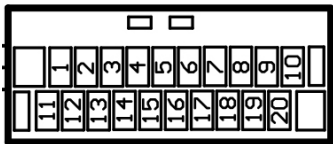
HONDA cont'd.

Civic CAN-Bus 2012>



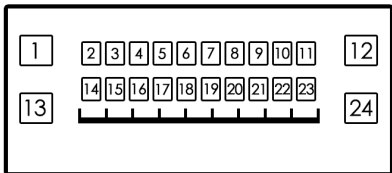
A

Civic CAN-Bus 2012>	
Interface Wire	Pin Number
CAN High	B13
CAN Low	B3
Batt 12V	A13
Ground	A1



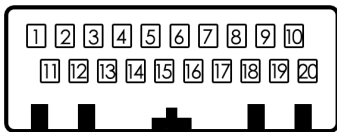
B

City/Fit/HR-V/Jazz OEM Specific



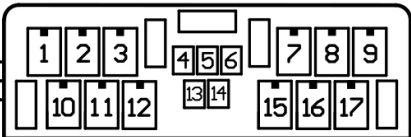
A

City, Fit, HR-V, Jazz 14>	
Interface Wire	Pin Number
Analogue 1	A21
Analogue 2	B12
Analogue Ground	A8
Batt 12V	A13
Ground	A1



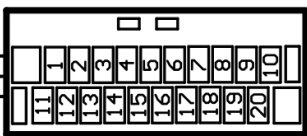
B

Analogue Vehicles



A

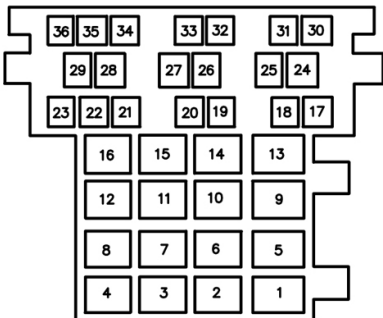
Analogue	
Interface Wire	Pin Number
Analogue 1	B4
Analogue Ground	B5
Batt 12V	A10
Ground	A1



B

HYUNDAI

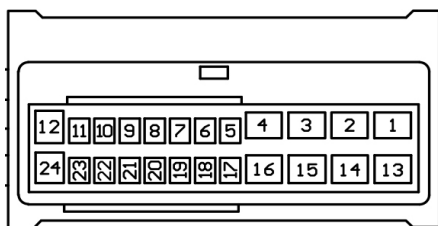
Mini-ISO Connector



Mini-ISO Vehicles	
Interface Wire	Pin Number
Analogue 2	19
Analogue Ground	20
Batt 12V	8
Ground	4

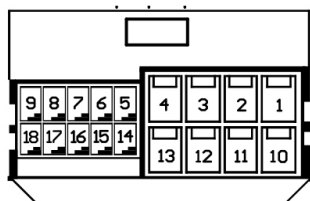
HYUNDAI cont'd.

Santa Fe 2006-2010

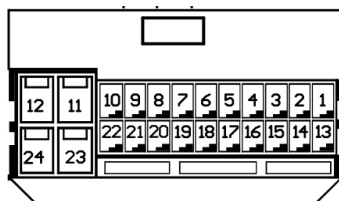


Santa Fe 2006-2010	
Interface Wire	Pin Number
Analogue 2	6
Analogue Ground	18
Batt 12V	12
Ground	24

Hyundai White Connector



A



B

Hyundai White Connector	
Interface Wire	Pin Number
Analogue 2	B4
Analogue Ground	B17
Batt 12V	B12
Ground	B24

ISUZU

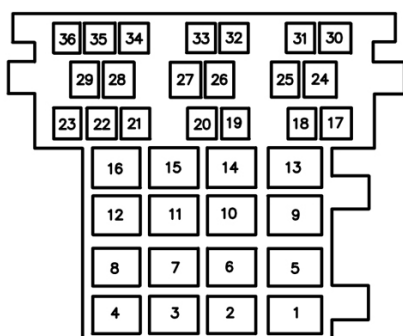
D-Max Connector



D-Max 12>, MU-X 14>, Chevrolet Colorado 12-14	
Interface Wire	Pin Number
Analogue 1	5
Analogue Ground	13
Batt 12V	14
Ground	10

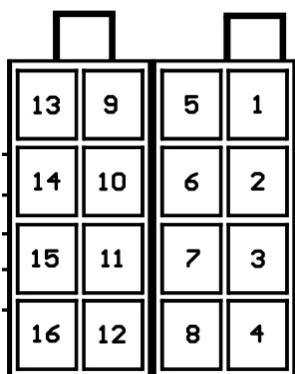
IVECO

Daily Mini ISO Connector



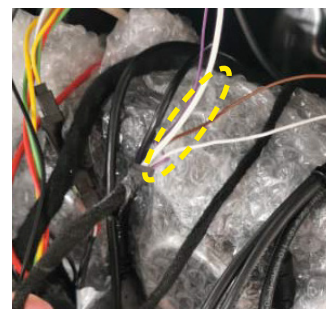
Daily Mini ISO	
Interface Wire	Pin Number
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

IVECO cont'd.



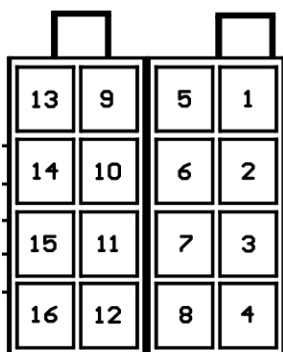
Daily ISO (2019>)	
Interface Wire	Pin Number
Analogue 2	*See Diagram
Batt 12V	2
Ground	4

*Connect analogue 2 to white LIN-Bus wire in the dashboard cavity labelled '2213'. It will appear grouped in a harness with four total wires, sheathed with tape.



JAC

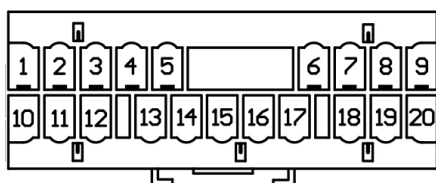
8 Way ISO Connector



J3 2013>	
Interface Wire	Pin Number
Analogue 1	1
Analogue Ground	6
Batt 12V	8
Ground	4

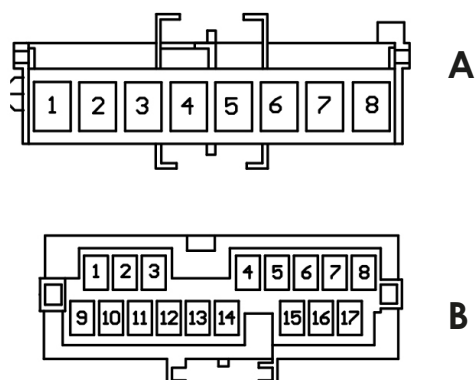
JAGUAR

XJ8 Connector



XJ8 1998-2003	
Interface Wire	Pin Number
Analogue 2	2
Analogue Ground	To vehicle chassis
Batt 12V	10
Ground	To vehicle chassis

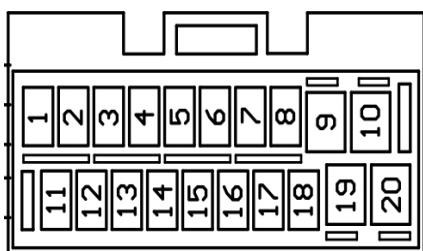
S Type Connector



S Type 99-02	
Interface Wire	Pin Number
Analogue 1	B5
Analogue Ground	B6
Batt 12V	A3
Ground	A8

JAGUAR cont'd.

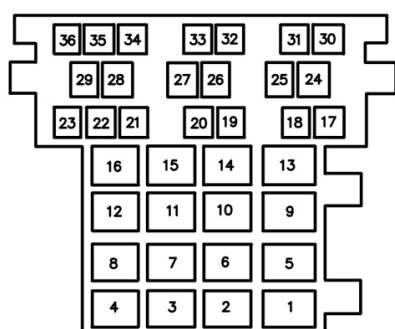
S/X Type Connector



S/X Type	
Interface Wire	Pin Number
Analogue 1	13
Analogue Ground	To vehicle chassis
Batt 12V	20
Ground	10

KIA

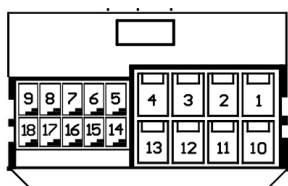
Mini-ISO Vehicles



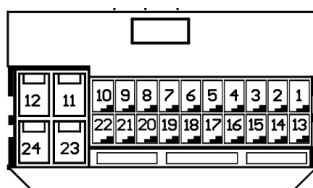
Cee'd 2007-2009	
Interface Wire	Pin Number
Analogue 2	19
Analogue Ground	26
Batt 12V	8
Ground	4

Mini-ISO Vehicles	
Interface Wire	Pin Number
Analogue 2	19
Analogue Ground	20
Batt 12V	8
Ground	4

Kia White Connector



A



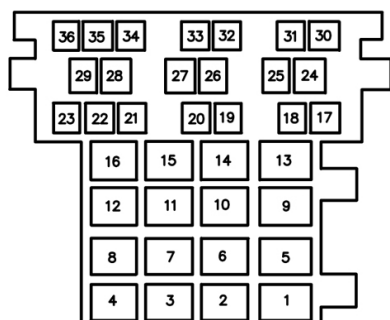
B

Kia White Connector	
Interface Wire	Pin Number
Analogue 2	B4
Analogue Ground	B17
Batt 12V	B12
Ground	B24

Sorento/Carnival/Sedona 15>	
Interface Wire	Pin Number
CAN High	B1
CAN Low	B13
Batt 12V	B12
Ground	B24

LANCIA

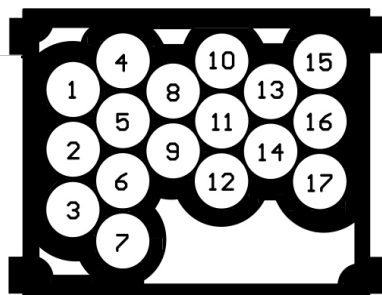
Delta Connector



Delta 09>	
Interface Wire	Pin Number
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

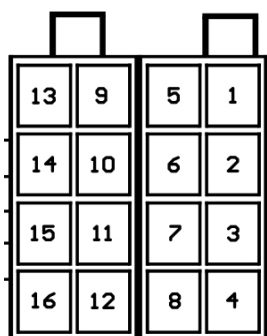
LAND ROVER

17 Way BMW Connector



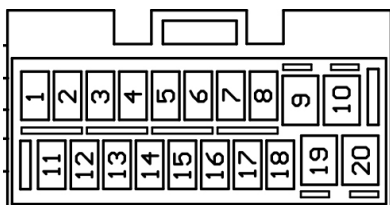
Land Rover Discovery/ Freelander with 17 way BMW Connector	
Interface Wire	Pin Number
Analogue 1	16
Analogue Ground	10
Batt 12V	11
Ground	10

Land Rover Discovery Connector



Land Rover Discovery 2003>	
Interface Wire	Pin Number
Analogue 1	1
Analogue Ground	To vehicle chassis
Batt 12V	2
Ground	4

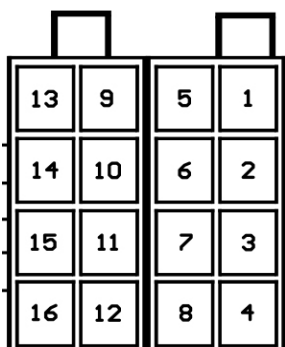
CAN-Bus Connector



Freelander, Discovery, Range Rover Sport CAN-Bus	
Interface Wire	Pin Number
CAN High	2
CAN Low	1
Analogue 1	13
Analogue Ground	10
Batt 12V	20
Ground	10

LIFAN

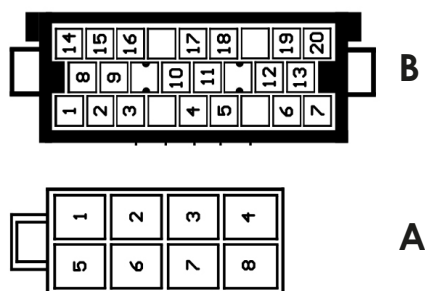
Lifan OEM Connector



Lifan Motors 620/720	
Interface Wire	Pin Number
Analogue 1	5
Analogue 2	1
Analogue Ground	4
Batt 12V	8
Ground	4

MAHINDRA

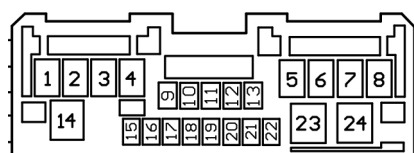
Scorpio Connector



Scorpio	
Interface Wire	Pin Number
Analogue 1	A1
Analogue Ground	A6
Batt 12V	A8
Ground	A4

MAZDA

OEM Specific Connector

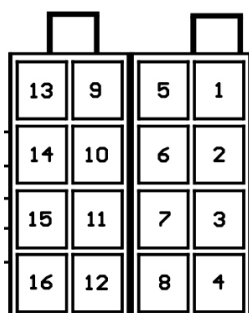


3, 2, CX-7, CX-9	
Interface Wire	Pin Number
Analogue 1	12
Analogue Ground	13
Batt 12V	14
Ground	24

6 2007-2009	
Interface Wire	Pin Number
CAN High	20
CAN Low	21
Analogue 1	12
Analogue Ground	13
Batt 12V	14
Ground	24

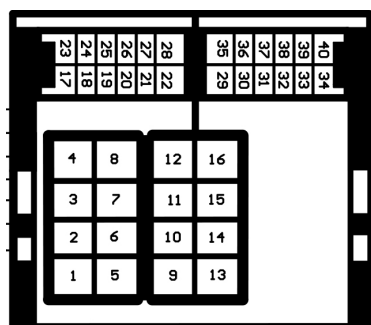
MERCEDES BENZ

8 Way ISO CAN-Bus Vehicles



8 Way ISO CAN-Bus	
Interface Wire	Pin Number
CAN High	3
CAN Low	8
Batt 12V	2
Ground	4

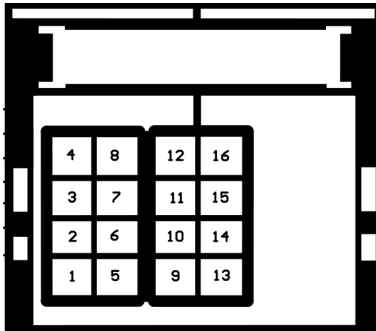
E Class/SLK Quadlock



E Class/SLK Quadlock	
Interface Wire	Pin Number
CAN High	17
CAN Low	18
Batt 12V	16
Ground	15

MERCEDES BENZ cont'd.

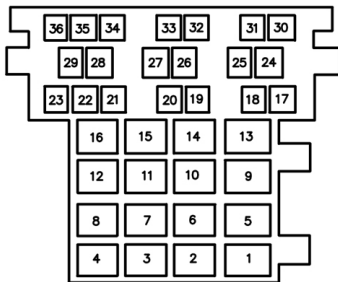
Quadlock CAN-Bus Vehicles



A/B/C Quadlock CAN Bus Vehicles	
Interface Wire	Pin Number
CAN High	11
CAN Low	9
Batt 12V	15
Ground	12

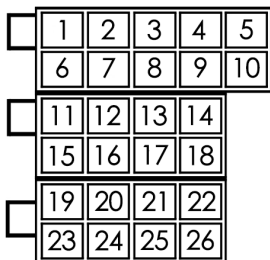
Vito (W447 with Audio 15)	
Interface Wire	Pin Number
CAN High	11
CAN Low	9
Batt 12V	15
Ground	12

Mini-ISO CAN-Bus Vehicles



Mini-ISO CAN-Bus	
Interface Wire	Pin Number
CAN High	17
CAN Low	30
Batt 12V	2
Ground	4

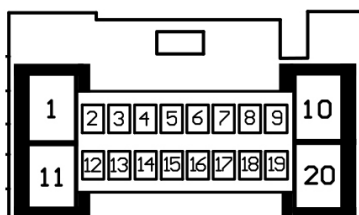
10 Way ISO CAN-Bus Vehicles



10 Way ISO CAN-Bus	
Interface Wire	Pin Number
CAN High	1
CAN Low	6
Batt 12V	24
Ground	26

MITSUBISHI

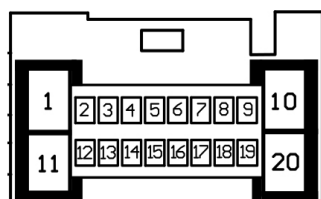
Outlander 2013>



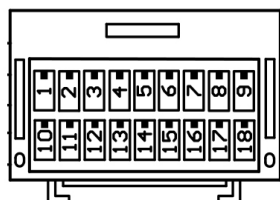
Outlander 2013>	
Interface Wire	Pin Number
CAN High	8
CAN Low	18
Analogue 1	9
Analogue Ground	11
Batt 12V	1
Ground	11

MITSUBISHI cont'd.

OEM Specific (ASX, Lancer, Outlander, Pajero, Shogun)



A



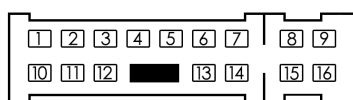
B

ASX, Lancer, Outlander 2010>, Pajero, Shogun 2013>	
Interface Wire	Pin Number
Analogue 1	A9
Analogue Ground	To vehicle chassis
Batt 12V	A1
Ground	To vehicle Chassis

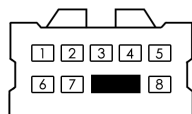
Lancer, Outlander 2007-2010	
Interface Wire	Pin Number
Analogue 1	A9
Analogue Ground	To vehicle chassis
Batt 12V	A1
Ground	To vehicle Chassis

NISSAN

8 & 16 Way Connector



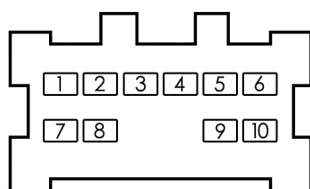
A



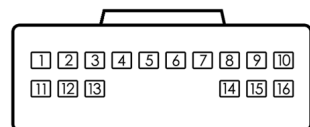
B

Almera/Primera/Terrano X-Trail	
Interface Wire	Pin Number
Analogue 1	B4
Analogue 2	B5
Analogue Ground	B3
Batt 12V	A8
Ground	A9

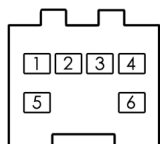
6 & 10 Way Connector



A



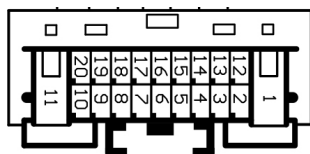
B



C

350Z 03>, Navara 06>, X-Trail 01>	
Interface Wire	Pin Number
Analogue 1	B13
Analogue 2	B3
Analogue Ground	B5
Batt 12V	A4
Ground	To vehicle chassis

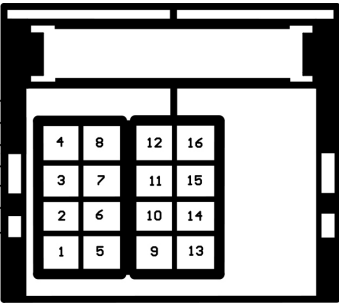
OEM Specific Connector



All Models	
Interface Wire	Pin Number
Analogue 1	8
Analogue 2	17
Analogue Ground	7
Batt 12V	1
Ground	To vehicle chassis

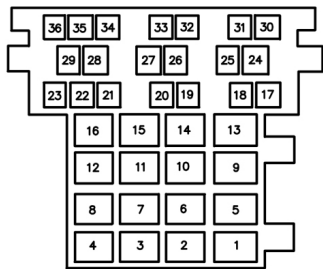
PEUGEOT

Quadlock CAN-Bus Vehicles



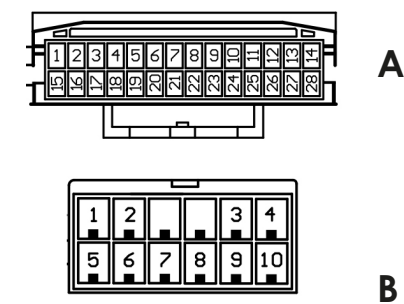
Quadlock CAN-Bus Vehicles	
Interface Wire	Pin Number
CAN High	10
CAN Low	13
Batt 12V	12
Ground	16

Mini-ISO Analogue Vehicles



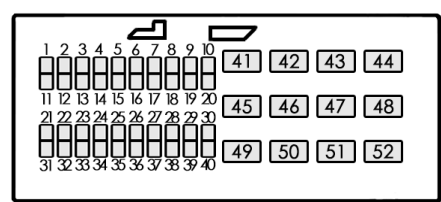
206/306 98-02, 806 96-02	
Interface Wire	Pin Number
Analogue 1	17
Analogue 2	30
Analogue Ground	24
Batt 12V	8
Ground	4

108 OEM Connector



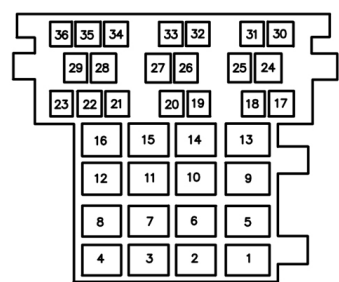
108	
Interface Wire	Pin Number
Analogue 1	A20
Analogue 2	A19
Analogue Ground	A21
Batt 12V	B4
Ground	B7

Boxer OEM Connector



Boxer 2014>	
Interface Wire	Pin Number
CAN High	2
CAN Low	12
Batt 12V	44
Ground	43

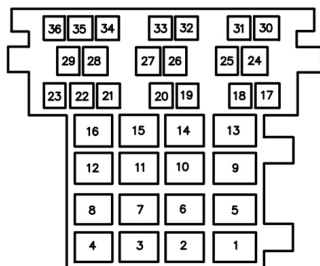
Mini-ISO CAN Vehicles



Boxer 06-08/08-14	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

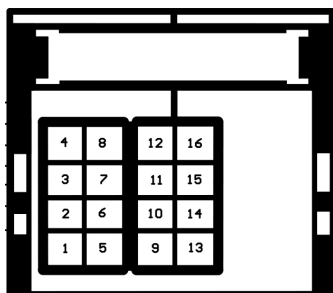
PORSCHE

Mini-ISO Cayenne Specific



Cayenne 2002-2007 Mini-ISO	
Interface Wire	Pin Number
CAN High	30
CAN Low	17
Batt 12V	2
Ground	4

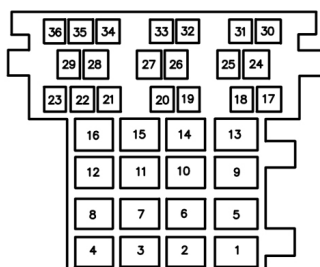
Quadlock Cayenne Specific



Cayenne 2002-2007 Quadlock	
Interface Wire	Pin Number
CAN High	11
CAN Low	9
Batt 12V	12
Ground	15

PROTON

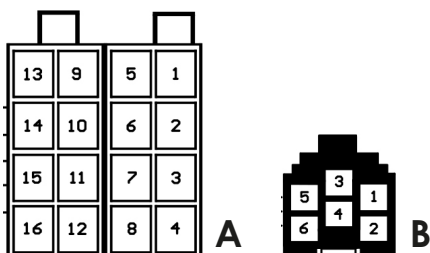
Mini ISO Connector



GEN-2	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
Batt 12V	2
Ground	4

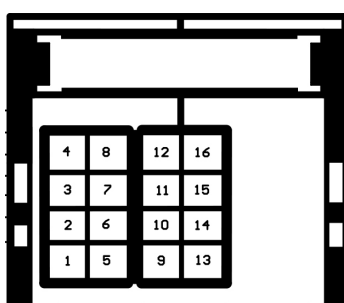
RENAULT

8 Way ISO VDO Update List



Mini-ISO with 'Update List' OEM head unit	
Interface Wire	Pin Number
CAN High	B6
CAN Low	B2
Batt 12V	A2
Ground	A4

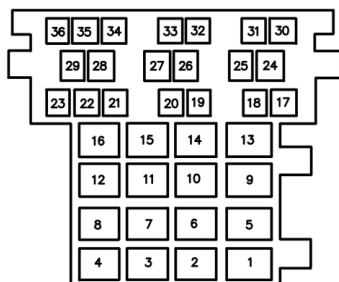
CAN-Bus Quadlock Connector



Renault CAN-Bus 2009> with Quadlock Connector	
Interface Wire	Pin Number
CAN High	13
CAN Low	9
Batt 12V	15
Ground	12

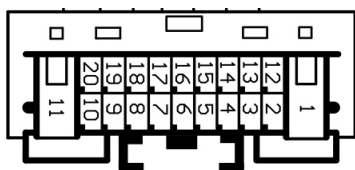
RENAULT cont'd.

CAN-Bus Mini-ISO Connector



Renault CAN-Bus 2009> with Mini-ISO Connector	
Interface Wire	Pin Number
CAN High	17
CAN Low	30
Batt 12V	2
Ground	4

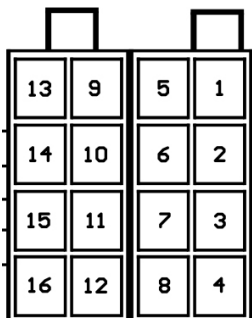
Scala OEM Connector



Scala	
Interface Wire	Pin Number
Analogue 1	8
Analogue 2	17
Analogue Ground	7
Batt 12V	1
Ground	To vehicle chassis

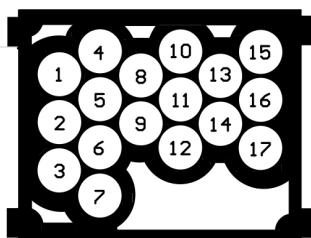
ROVER

Highline OEM Connector



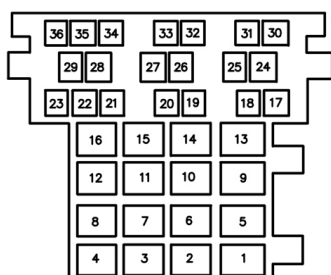
Rover 75 with Highline	
Interface Wire	Pin Number
Analogue 1	1
Analogue Ground	To vehicle chassis
Batt 12V	2
Ground	4

BMW 17 Way Round Pin Connector



25/45/75/ZR/ZS/ZT/ZT-T BMW Connector	
Interface Wire	Pin Number
Analogue 1	16
Analogue Ground	N/R
Batt 12V	11
Ground	10

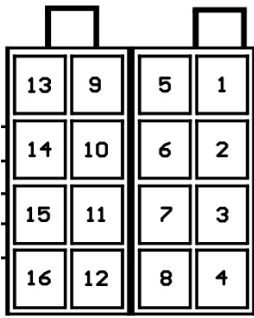
Mini-ISO Connector



25/45/75 Mini ISO	
Interface Wire	Pin Number
Analogue 2	20
Analogue Ground	27
Batt 12V	8
Ground	4

SAAB

8 Way ISO Connector



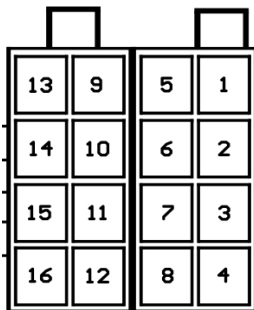
Saab 9.3/9.5 98-05	
Interface Wire	Pin Number
Analogue 2	See diagram*
Batt 12V	8
Ground	4

*Connect analogue 2 to green wire in 2 pin connector located under steering column. The analogue 2 wire may need to be extended.



SCANIA

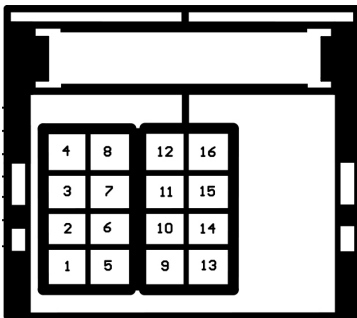
8 Way ISO Connector



Scania R Series	
Interface Wire	Pin Number
CAN High	5
CAN Low	1
Batt 12V	2
Ground	4

SKODA

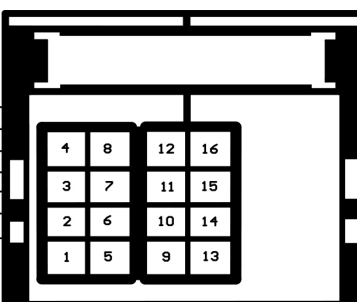
CAN-Bus Quadlock Connector



Skoda CAN-Bus Quadlock	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Batt 12V	15
Ground	12

SEAT

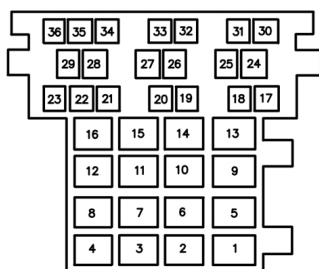
CAN-Bus Quadlock Connector



Seat CAN-Bus Quadlock	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Batt 12V	15
Ground	12

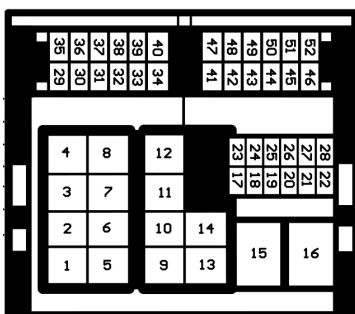
SEAT cont'd.

Mini-ISO Connector



Exeo Symphony Mini-ISO	
Interface Wire	Pin Number
CAN High	30
CAN Low	17
Batt 12V	2
Ground	4

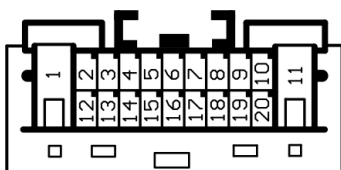
52 Way Quadlock Connector



Seat Alhambra (MIB-PQ)	
Interface Wire	Pin Number
CAN High	22
CAN Low	28
Batt 12V	16
Ground	15

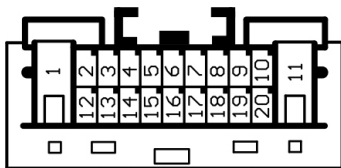
SUBARU

OEM Specific Connector



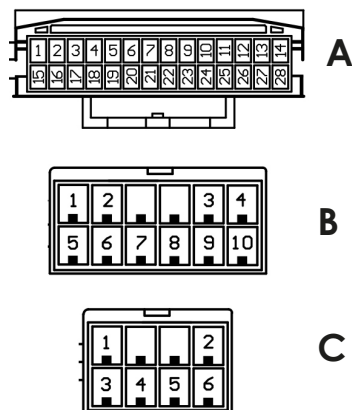
Forester/Impreza 2007-2012	
Interface Wire	Pin Number
Analogue 1	17
Analogue Ground	7
Batt 12V	1
Ground	11

OEM Connector - vehicles without OEM Navigation



Impreza, Forester, Outback, XV 2012>	
Interface Wire	Pin Number
Analogue 1	17
Analogue 2	8
Analogue Ground	7
Batt 12V	1
Ground	11

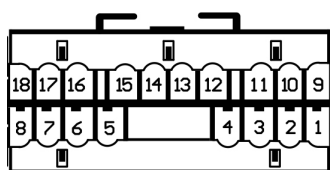
3 Way OEM Connector



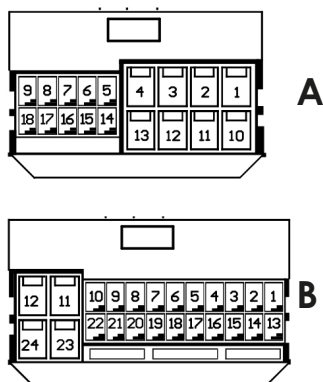
Impreza, Forester, XV 2015>	
Interface Wire	Pin Number
Analogue 1	A21
Analogue 2	A22
Analogue Ground	B4
Batt 12V	B4
Ground	B7

SSANGYONG

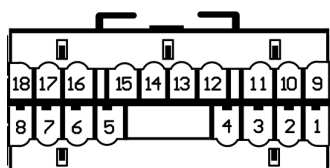
OEM Specific Connector



OEM Specific Connector



OEM Specific Connector



**Actyon 2006>, Rexton 2007>,
Korando Sport 2012, Rodius
2013>**

Interface Wire	Pin Number
Analogue 1	16
Analogue Ground	14
Batt 12V	5
Ground	14

Tivoli EX / ELX	
Interface Wire	Pin Number
Analogue 1	B17
Analogue Ground	B4
Batt 12V	B12
Ground	B24

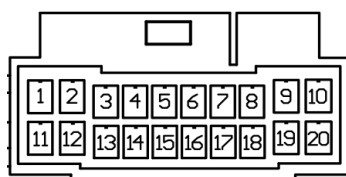
Tivoli SE	
Interface Wire	Pin Number
Analogue 1	A9
Analogue Ground	A18
Batt 12V	B12
Ground	B24

All other Ssangyong models

Interface Wire	Pin Number
Analogue 2	16
Analogue Ground	13
Batt 12V	5
Ground	14

SUZUKI

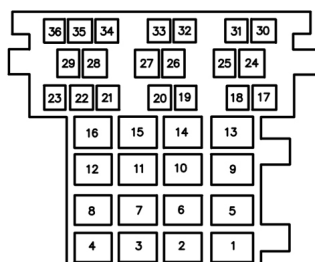
OEM Specific Connector



Suzuki all models	
Interface Wire	Pin Number
Analogue 1	19
Analogue 2	8
Analogue Ground	20
Batt 12V	1
Ground	11

TATA

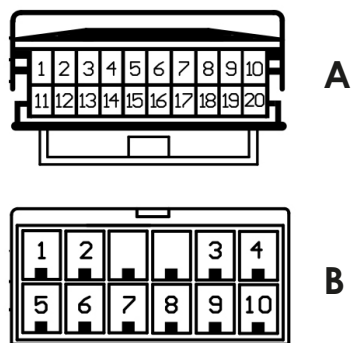
Mini-ISO Connector



Tata Vista, Manza, Indigo	
Interface Wire	Pin Number
Analogue 2	20
Analogue Ground	27
Batt 12V	2
Ground	4

TOYOTA

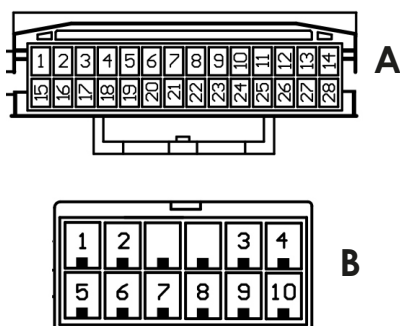
20 Way OEM Specific Connector



Toyota <2011	
Interface Wire	Pin Number
Analogue 1	A8
Analogue 2	A7
Analogue Ground	A6
Batt 12V	B4
Ground	B7

Toyota 2011>	
Interface Wire	Pin Number
Analogue 1	A21
Analogue 2	A22
Analogue Ground	B4
Batt 12V	B4
Ground	B7

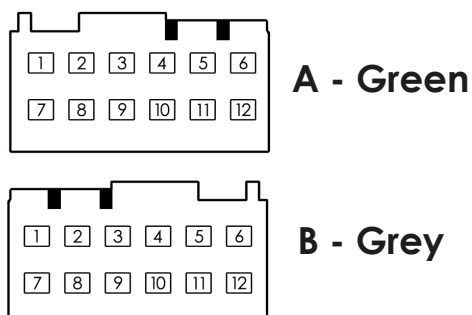
28 Way OEM Specific Connector



Aygo 2014>	
Interface Wire	Pin Number
Analogue 1	A20
Analogue 2	A19
Analogue Ground	A21
Batt 12V	B4
Ground	B7

VOLVO

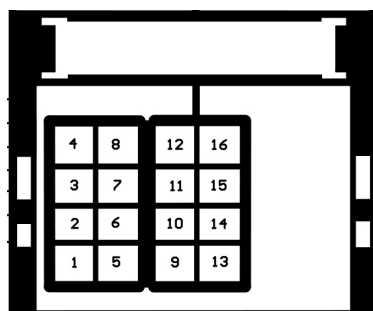
OEM Specific Connector



S60, V70	
Interface Wire	Pin Number
CAN High	A12
CAN Low	A11
Batt 12V	A6
Ground	A7

VOLKSWAGEN

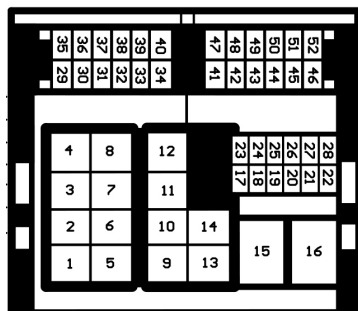
CAN-Bus Quadlock Connector



VW CAN-Bus All Models	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Batt 12V	15
Ground	12

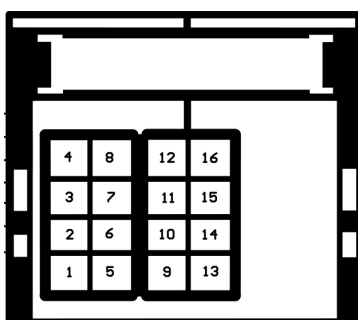
VOLKSWAGEN cont'd.

52 Way CAN-Bus Quadlock Connector



CAN-Bus Quadlock Connector

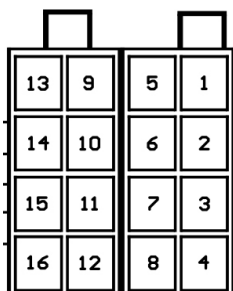
52 Way Quadlock (MIB-PQ)	
Interface Wire	Pin Number
CAN High	22
CAN Low	28
Batt 12V	16
Ground	15



Crafter 2006>	
Interface Wire	Pin Number
CAN High	11
CAN Low	9
Batt 12V	15
Ground	12

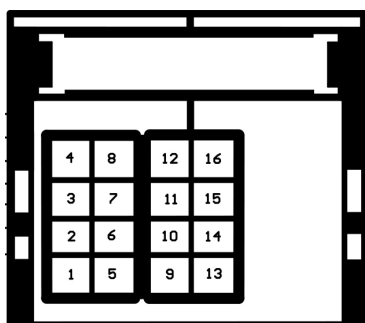
VAUXHALL/OPEL

8 Way ISO Connector



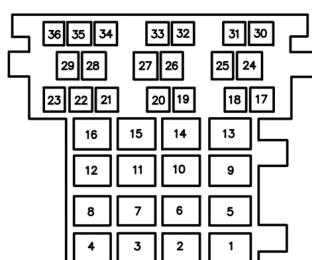
CAN-Bus Quadlock Connector

Vauxhall/Opel Analogue	
Interface Wire	Pin Number
Analogue 1	1
Analogue Ground	4
Batt 12V	8
Ground	4



Mini-ISO Connector

Vauxhall/Opel CAN-Bus	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Batt 12V	15
Ground	12



Vivaro 2011>	
Interface Wire	Pin Number
CAN High	17
CAN Low	30
Batt 12V	2
Ground	4

NOTES
