Control PRO Steering Wheel Control Interface

INSTALLATION GUIDE



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



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.

Head Unit Connection Harness



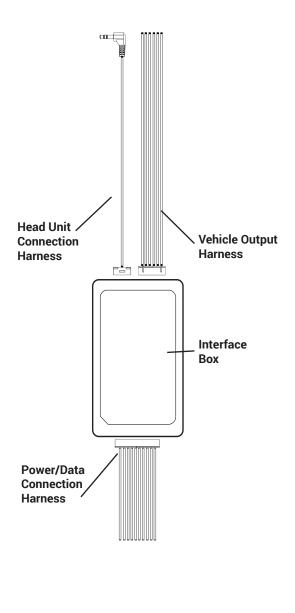
3.5mm Jack - To aftermarket stereo 3.5mm input

Blue (Green Stripe) - To aftermarket stereo SWC Wire

Power/Data
Connection
Harness

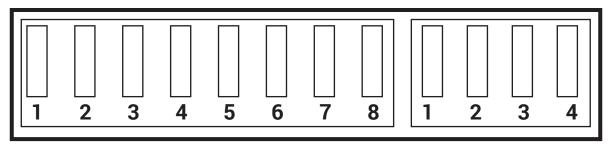


Purple	Analogue 2
Red	12V Ignition Input
Black	Ground
Red (White Stripe)	12V Ignition Output
White	Analogue 1
Yellow	12V Permanent
Pink (Black Stripe)	CAN -
Pink	CAN +



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

SETTING THE DIPSWITCHES



BANK A BANK B

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, first configure Switch 8 in **Bank A** and Switches 1-4 in **Bank B** to match the appropriate head unit being used.

Then configure Switches 1 - 7 in Bank A as specified by the vehicle model tables (see pages 4 to 9).

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*

	-			Phone			OEM	OEM MOST		Dips	witch	h Set	ting			Outputs	
Manufacturer	Model	Start Year	End Year	Button Support	CAN / Analogue	Harness	Chime	Amplifier Retention		2	3 4	1 5	6	7	Reverse	Speed	Park Brake
	147	2000	2007	N	Analogue	HARCP2.2-FA1			-	ON O	_	_	_	ON			
	147 156	2007 2000	2010 2007	N N	CAN Analogue	HARCP2.2-FA1			-	ON O	_	_	_	ON ON	YES	YES	YES
	156 159	2004 2005	2006 2011	Y	CAN CAN	HARCP2.2-AR1			-	ON O	N OI	N O	ON N ON	ON ON	YES YES	YES	YES
	4C/Mito/Giulietta	2013	2011	Y	CAN-Open Dash	HANCE 2.2-AN1			-	ON O	_	_		UN	YES	YES YES	YES YES
Alfa Romeo	4C/Mito/Giulietta 4C/Mito/Giulietta	2013 2013		Y	CAN TYPE1 CAN TYPE2				ON	O NC	N OI	_	_		YES YES	YES	YES YES
	4C/Mito/Giulietta	2013		Y	CAN TYPE3				ON		N O				YES	YES	YES
	Brera Giulietta	2005 2010	2010 2014	Y	CAN CAN	HARCP2.2-AR1				ON O		N O		_	YES YES	YES	YES YES
	GT	2004	2008	N	Analogue	HARCP2.2-FA1			(O NC	N O	N O	N	ON			
	GT MiTo	2008	2010 2014	N Y	CAN CAN					O NC	_		ON N ON	ON ON	YES	YES	YES YES
	A1	2010	2014	Y	CAN	HARCP2-VAG52			ON	NC	OI	N O	N ON	ON	YES	YES	YES
	A3 A3	2003 2003	2005 2013	Y	CAN CAN	HARCP2.2-AU3 HARCP2.2-AU1			ON (_	01	N O	-	ON	YES	YES	YES YES
	A4	2001	2008	Υ	CAN	HARCP2.2-AU3			ON		_	N O	N ON	_	YES	YES	YES
Audi	A4 A6	2001 2004	2008	Y	CAN	HARCP2.2-AU1 HARCP2.2-AU1			ON (_	01	N O	_	ON ON	YES	YES	YES YES
	R8	2008	2010	Υ	CAN	HARCP2-VAG52			ON (ON	OI	N O	N ON	ON	YES	YES	YES
	S4 TT	2004 2003	2009 2006	Y	CAN CAN	HARCP2-VAG52 HARCP2.2-AU3			ON (_	OI	N O		_	YES	YES	YES YES
	TT 1 Continu	2006	2014	Y	CAN	HARCP2.2-AU1	VEC		ON	_	_	N O	N ON	ON	YES	YES	YES
	1 Series 1 Series	2004 2004	2013 2013	Y	CAN CAN	HARCP2.2-BM1 HARCP2.2-BM2	YES		ON (0I 0I		ON		YES	YES YES	YES YES
	1 Series	2004 1998	2013 2001	Y	CAN iBUS	HARCP2.2-BM3		YES	ON	_	OI N OI	_	ON	ON	YES	YES	YES
	3 Series	2001	2001	Y	iBUS	HARCP2-BM32			ON ON	0	_	_	ON ON	ON			
	3 Series 3 Series	2005 2005	2014 2014	Y	CAN CAN	HARCP2.2-BM3 HARCP2.2-BM1	YES	YES	ON (0I 0I		ON ON		YES YES	YES YES	YES YES
	3 Series	2005	2014	Y	CAN	HARCP2.2-BM2	163		ON (NC	OI	N	ON	ON	YES	YES	YES
	5 Series 5 Series	1998 2000	2000 2004	Y Y	iBUS iBUS	HARCP2-BM32			ON ON	0	N OI	_	ON ON	ON ON		-	
	5 Series	2004	2010	Y	CAN	HARCP2.2-BM3		YES	ON (NC	OI	N	ON	ON	YES	YES	YES
	5 Series 5 Series	2004 2004	2010 2010	Y	CAN CAN	HARCP2.2-BM1 HARCP2.2-BM2	YES		ON (_	0I 0I	_	ON		YES YES	YES	YES YES
	6 Series	2004	2010	Y	CAN	HARCP2.2-BM1	YES		ON	_	01	_	ON		YES	YES	YES
	6 Series 7 Series	2004 1994	2010 2001	Y	CAN iBUS	HARCP2.2-BM2			ON (ON O	OI N OI		ON	ON ON	YES	YES	YES
BMW	7 Series	2001	2003	Y	iBUS	HARCP2-BM32			ON	_	N OI	_	ON	ON			
Biviv	7 Series 7 Series	2003 2003	2008 2008	Y	CAN CAN	HARCP2.2-BM1 HARCP2.2-BM2	YES		ON (_	0I 0I	_	ON	-	YES YES	YES	YES YES
	Mini	2001	2006	Y	iBUS	HARCP2-BM32			ON	0	-	_	ON	ON	ILJ	TLS	11.5
	Mini Mini	2006 2006	2014 2014	Y	CAN	HARCP2.2-BM1 HARCP2.2-BM2	YES		ON (0I 0I		ON		YES	YES	YES YES
	X1	2009	2015	Y	CAN	HARCP2.2-BM1	YES		ON (ON	OI	N	ON	ON	YES	YES	YES
	X1 X3	2009 2004	2015 2010	Y	CAN iBUS	HARCP2.2-BM2 HARCP2-BM32			ON (ON O	OI N OI	_	ON		YES	YES	YES
	X5	1999	2001	Υ	iBUS				ON	0	N OI	N	ON	ON			
	X5 X5	2000 2007	2006 2014	Y	iBUS CAN	HARCP2-BM32 HARCP2.2-BM1	YES		ON (_	N OI	_	ON	ON	YES	YES	YES
	X5	2007	2014	Υ	CAN	HARCP2.2-BM2			ON	NC	OI	N	ON		YES	YES	YES
	X6 X6	2008 2008	2014 2014	Y	CAN	HARCP2.2-BM1 HARCP2.2-BM3	YES	YES	ON (01		ON		YES	YES	YES YES
	Z4	2002	2008	Υ	iBUS	HARCP2-BM32			ON	0	N OI	N	ON	ON			
	Z4 Z4	2009 2009	2016 2016	Y	CAN CAN	HARCP2.2-BM1 HARCP2.2-BM2	YES		ON (OI	_	ON	ON ON	YES	YES	YES YES
Chery	Tiggo	2013 2011	2014	N	Analogue				П	0		0		011	VEC	1/50	1/50
Chrysler	Delta Berlingo	2011	2014 2018	Y N	CAN CAN	HARCP2-PSA52			_	ON O	IN	0	N ON		YES YES	YES	YES YES
	C1 C2	2014 2004	2009	Y N	Analogue CAN	HARCP2-PSA52			ON	ON	01	N O	_	ON ON	YES	YES	YES
	C3	2006	2016	N	CAN	HARCP2-PSA52			(NC	t	0	N ON	ON	YES	YES	YES
	C3 Picasso C4	2009 2004	2017 2010	N N	CAN CAN	HARCP2-PSA52				ON ON	+	0	N ON	ON ON	YES YES	YES YES	YES YES
	C4 Aircross	2014		Υ	Analogue				(O NC	N	0	N	ON			
	C4 Picasso C5	2006 2005	2018 2008	N N	CAN CAN	HARCP2-PSA52 HARCP2-PSA52				ON ON	+	0	N ON	ON ON	YES YES	YES	YES YES
	C6	2006	2014	Υ	CAN	HARCP2-PSA52			(ON	#	0	N ON	ON	YES	YES	YES
Citroen	C8 Dispatch	2005 2007	2014 2016	Y N	CAN Analogue	HARCP2-PSA52				ON O	N O	O N	_	ON ON	YES	YES	YES
	DS3	2009	2016	N	CAN	HARCP2-PSA52			(ON		0	N ON	ON	YES	YES	YES
	Evasion Jumper	1996 2006	2002 2008	N N	CAN CAN					ON O			ON		YES YES	YES	YES YES
	Jumper	2008	2013	N	CAN				(O NC			ON	ON	YES	YES	YES
	Jumper Jumpy	2014 2007	2017	Y N	CAN CAN	HARCP2-PSA52	L		-	ON ON	+	0		ON ON	YES YES	YES YES	YES YES
	Nemo	2007 2006	2008	Υ	CAN				(O NC		N O	N ON	ON	YES	YES	YES
	Relay Relay	2006	2014	N N	CAN CAN				-	ON O	IN O	N O	ON N ON	ON ON	YES YES	YES YES	YES YES
	Synergie	1996	2002	N	CAN	UADCD2 2 10/4			(O NC	_	_	ON	-	YES	YES	YES
	Astra Aveo	1998 2002	2011 2011	N Y	Analogue Analogue	HARCP2.2-VX1			Ħ	0	N O		ON	ON			
	Captiva Celta	2006 2002	2011 2010	Y N	Analogue	HARCP2.2-VX1			H	0			ON N ON	ON			
	Colorado	2012	2014	N Y	Analogue Analogue				ON (_	IN	0	N	ON			
Chevrolet	Corsa Classic	2002 2012	2010	N Y	Analogue	HARCP2.2-VX1			ON		N	0		ON ON		_	
Cileviolet	S10 Sonic	2012		Y	Analogue Analogue				ON	0	N O	N	4	ON			
	Spark	2010	2015 2009	Y N	Analogue				ON	0	N OI	_	OV	ON ON			
	Tracker Urban	1998	2011	N	Analogue Analogue	HARCP2.2-VX1			ON	0	N	0	N ON	ON			
	Vectra Viva	2005 1998	2011 2011	N N	Analogue Analogue	HARCP2.2-VX1 HARCP2.2-VX1			H	0			N ON				\vdash
		1330	2011	IN	Analogue	HAUGE 2.2-VAI				U	1.4	U	V UN	UIV			

			5 IV	Phone	a / a		OEM	OEM MOST		Di	ipswi	tch S	Setti	ng			Outputs	
Manufacturer	Model	Start Year	End Year	Button Support	CAN / Analogue	Harness	Chime Retention	Amplifier Retention	1	2	3	4	5	6	7	Reverse	Speed	Park Brake
Daewoo	Winstorm	2008	2011	Y	Analogue				011	_	ON	_		ON	ON	1/50	1/50	V/50
	CF (TYPE 1) CF (TYPE 2)	2017 2017		N N	CAN CAN				ON	ON	ON				\vdash	YES	YES	YES YES
DAF	XF (TYPE 1)	2017		N	CAN				ON	ON						YES	YES	YES
	XF (TYPE 2)	2017		N	CAN				П	ON	ON	ON	ON			YES	YES	YES
Dodge	RAM ProMaster 500	2014 2007	2014	Y	CAN				Н	ON	ON	ON	ON	ON	ON ON	YES	YES	YES YES
	500L	2012	2014	Y	CAN- Open Dash				ON	ON					OIV	YES	YES	YES
	500L	2012		Υ	CAN-TYPE1				П		ON					YES	YES	YES
	500L 500L	2012 2012		Y	CAN TYPE2 CAN TYPE3				ON		ON ON		ON	ON	Н	YES	YES	YES YES
	Bravo	2012	2014	Y	CAN TYPES				Н		ON	UN	ON	-	ON	YES	YES	YES
	Doblo	2009	2015	Υ	CAN						ON	ON	ON	-	ON	YES	YES	YES
	Ducato	2011	2014	Y	CAN				Н	ON	ON	ON	ON	ON	ON	YES	YES	YES
	Ducato Ducato	2006 2012	2008 2014	N N	CAN CAN				H	-		\dashv			ON ON	YES	YES	YES
	Ducato	2014	2014	Y	CAN										ON			
	Ducato	2015	2021	N	Analogue	HARCP2.2-FA1				ON					ON			
Fiat	Ducato Ducato	2015 2015		Y	CAN-Open Dash CAN-TYPE1				ON	ON	ON				Н	YES	YES	YES YES
Tiat	Ducato	2015		Y	CAN TYPE2				ON		ON				H	YES	YES	YES
	Ducato	2015		Υ	CAN TYPE3				П				ON	ON		YES	YES	YES
	Fiorino Grande Punto	2007 2007	2011	Y	CAN CAN				H	$\overline{}$	ON	-	_	_				
	Idea	2007	2011	Y	CAN		 		Н	$\overline{}$	ON	-	ON	_	ON ON			\vdash
	Multipla	2004		N	Analogue				П	ON				Ë	ON			
	Panda	2004	2007	N	Analogue				\sqcup	ON	0.	4		~	NO			
	Panda Punto	2007 2005	2012	N Y	CAN CAN		 		Н	ON ON	ON	ON	ON	_	-	YES	YES	YES
	Qubo	2007		Y	CAN				Ħ	ON	ON		ON	ON	ON	. 20		
	Ritmo	2007	2014	Y	CAN				П	ON	ON		ON	ON	-			
	Sedici Stilo	2006 2004	2014 2008	N Y	Analogue CAN	HARCP2.2-AR1			Н	ON	ON	_	ON	ON	ON ON	YES	VEC	YES
	B-Max	2004	2000	N N	CAN/Analogue	HANCEZ.Z-ARI	 		H	_	ON	\dashv	UIN	ON	UN	YES	YES	YES
	C-Max	2004	2010	N	Analogue	HARCP2-FD22			П		ON			ON				
	C-Max	2003	2010	N	CAN/Analogue	HARCP2-FD52			Н	ON	ON	ON	ON	NO	ON	YES	YES	YES
	C-Max Ecosport	2010 2013		N N	CAN/Analogue CAN/Analogue				H		ON ON	=		ON	H	YES	YES	YES YES
	Escape	2013		N	CAN/Analogue						ON			ON		YES	YES	YES
	Everest	2015		N	CAN/Analogue					ON				ON		YES	YES	YES
	F150 Falcon AU Series 2&3	2004 2000	2008 2002	N N	Analogue Analogue				Н	\dashv	ON	_		ON	ON ON			
	Fiesta	2006	2002	N	Analogue	HARCP2-FD22			Н	\dashv	ON	\exists		ON	-			
	Fiesta	2006	2008	N	CAN/Analogue	HARCP2-FD52				ON		ON	ON	ON	ON	YES	YES	YES
	Fiesta	2012		N	CAN/Analogue				Н		ON ON	_	011	ON		YES	YES	YES
	Fiesta Focus	2013 1998	2004	N N	Analogue Analogue	HARCP2-FD22			H	-	ON	\dashv	ON	_	ON			
	Focus	2004	2011	N	CAN/Analogue	HARCP2-FD52			П	ON	-	ON	ON	_	-	YES	YES	YES
	Focus	2011		N	CAN/Analogue						ON			ON		YES	YES	YES
	Fusion Fusion	2005 2005	2012 2012	N N	Analogue CAN/Analogue	HARCP2-FD22 HARCP2-FD52			Н	ON	ON	ON	ON	_	ON ON	YES	YES	YES
	Galaxy	2000	2006	N	Analogue	TIANCE 2-1 DS2			H	$\overline{}$	ON	UIV	OIN	_	-	11.3	TES	163
Ford	Galaxy	2006	2015	N	Analogue	HARCP2-FD22				$\overline{}$	ON			ON	-			
10.0	Galaxy	2006	2015	N	CAN/Analogue	HARCP2-FD52			Н	NO				ON		YES	YES	YES
	Kuga Kuga	2008 2013	2012	N N	CAN/Analogue CAN/Analogue	HARCP2-FD52			H	ON	ON	ON	UN	ON	ON	YES	YES	YES YES
	Mondeo	1998	2004	N	Analogue	HARCP2-FD22					ON			ON	ON			
	Mondeo	2004	2014	N	CAN/Analogue	HARCP2-FD52				ON		ON	ON			YES	YES	YES
	Puma Ranger	1997 2012	2002	N N	Analogue CAN/Analogue				Н		ON ON	_		ON	ON	YES	YES	YES
	Ranger	2013		N	CAN/Analogue				ON		OIV	\exists		ON	H	YES	YES	YES
	Ranger	2015		N	CAN				П	ON				ON		YES	YES	YES
	S-Max S-Max	2006 2006	2014 2014	N N	Analogue CAN/Analogue	HARCP2-FD22 HARCP2-FD52	-		Н	ON	ON	ON	ON	ON		YES	YES	YES
	Taurus	2006	2014	N N	CAN/Analogue CAN/Analogue	HANGEZ-FUDZ	 		Н		ON	υN	UN	ON	OIN	YES	YES	YES
	Transit	2004	2008	N	Analogue	HARCP2-FD22			П		ON			ON				
	Transit	2006	2015	N	CAN/Analogue	HARCP2-FD52			Н	ON	_	ON	ON	_	ON	YES	YES	YES
	Transit Transit Custom	2015 2012	2016	N N	CAN CAN/Analogue		 		Н	ON	ON	\dashv		ON ON	$\vdash \vdash$	YES YES	YES	YES YES
	Transit Custom	2015		N	CAN					ON				ON		YES	YES	YES
	Transit Connect	2004	2013	N	Analogue	HARCP2-FD22			П	_	ON			ON				
	Transit Connect Transit Connect	2004 2013	2013	N N	CAN/Analogue CAN/Analogue	HARCP2-FD52	1		Н	ON	ON	ON	ON	ON ON	ON	YES YES	YES	YES YES
	Steed	2013		N	Analogue				ON		ON	\dashv		ON	ON	1123	ΤΕĴ	IEJ
Great Wall	Wingle	2011		N	Analogue				ON		ON			ON	ON			
	H6	2012	3005	N	Analogue		1		ON	\dashv	C.	_	Cr.	0	ON			\vdash
	Barina Captiva	2000 2008	2005 2014	N Y	Analogue Analogue		 		Н		ON ON	ON	ON	_	ON			\vdash
Holden	Commodore VT-VX	1997	2002	N N	Analogue				ON			ON		ON	J.1			
	Commodore VY-VZ	2002	2007	N	Analogue				П	ON			ON	ON	П			
Harley Davidson	Street Glide Amaze	2015 2012		N N	CAN Analogue		 		Chi	ON	_	4		ON	O#1			
	City	2012	2013	N N	Analogue		 		ON	ON ON		\dashv		ON ON				\vdash
	City	2014		Υ	Analogue				ON	ON			ON	ON				
	Civic	2001	2012	N	Analogue	HARCP2-HD23			ON		ON	╝	ON	ON				
	Civic CR-V	2012 2005	2007	Y N	CAN Analogue	HARCP2-HD23	 		ON ON		ON ON	\dashv	UNI	ON	ON	YES	YES	YES
11000	CR-V	2003	2007	N N	Analogue	HANCEZ-HDZ3			ON		ON	H		ON	ON			
Honda	CR-V	2012		Υ	CAN				ON		ON				ON	YES	YES	YES
	Fit HR-V	2014		Y	Analogue		-		ON ON		4	4		ON ON	$\vdash \vdash$			\vdash
	Jazz	2014 2005	2008	N N	Analogue Analogue		 		ON	UIV	\dashv	ON	UIN	ON	Н			\vdash
	Jazz	2014		Υ	Analogue				ON					ON	\Box			
	S2000	1999	2009	N	Analogue	HARCP2-HD23			ON		ON		ON	ON				\Box
	S2000	1999	2009	N	Analogue	HARCP2-HD23	<u> </u>	<u> </u>	ON	ON	UN		ON	ON	ON			

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	OEM Chime Retention	OEM MOST Amplifier Retention	1	Dips 2 3	vitch 4		Ĭ	7	Reverse	Outputs Speed	Park Brake
	Accent	2011	2019	Y	Analogue							ON		ON			
	Azera Elantra	2011 2011	2018	Y	Analogue Analogue				-	\perp		ON ON		ON ON			
	i10	2009	2010	Y	Analogue							ON		ON			
	i20 i30	2009 2007	2016	Y	Analogue Analogue					\perp		ON ON		ON ON			
	i40	2011	2018	Y	Analogue							ON	_	ON			
Hyundai	i45 i800	2009 2007	2012	Y	Analogue					\perp		ON		ON ON			
Hyundai	ix20	2007		Y	Analogue Analogue					+		ON		ON			
	ix35 ix45	2010 2013	2015	Y	Analogue							ON	_	ON			
	iLoad	2013	2018	Y	Analogue Analogue					+		ON		ON ON			
	Santa Fe	2006	2018	Y	Analogue					1		ON	_	ON			
	Sonata Tucson	2008 2010	2010 2018	Y	Analogue Analogue				\dashv	+	+	ON		ON ON			
	Veloster	2012	2017	Υ	Analogue							ON	-	ON			
Isuzu	D-Max MU-X	2012 2014		Y	Analogue Analogue				ON C	ON ON	\vdash	ON		ON ON			
lveco	Daily	2014		Υ	CAN				(ON OI		_		0.1	YES	YES	YES
JAC Motors	Daily J3	2019 2013		Y N	LIN BUS Analogue				ON C	OI OI	ON		ON	ON			
JAC WIOLOIS	XJ8	1998	2003	Y	Analogue				ON	OI	-	ON		ON			
Jaguar	S Type	1999	2002 2009	N V	Analogue				011	01	F	F	ON	ON			
	X Type Carnival	2001 2015	2009	Y N	Analogue CAN				ON C	ON O	+	\vdash	ON ON	ON	YES	YES	YES
	Cee'd	2007	2015	Υ	Analogue				ON 0	ON O	I ON		ON	ON	-		
	Cee'd Cee'd	2007	2015 2015	Y	Analogue Analogue				ON C	ON O	ON	ON	\vdash	ON ON			
	Cerato	2013	2018	Υ	Analogue					\pm	L	ON	_	ON			
	Optima Ricanto	2010 2011	2015	Y	Analogue				ON (טאו סי	I ON	ON	-	ON ON			
wi-	Picanto Pro Cee'd	2011	2015	Y	Analogue Analogue				ON C				_	ON			
Kia	Rio	2011		Y	Analogue				ON C	ON OI	I ON	-	ON	ON			
	Rondo Sorento	2013 2009	2018 2015	Y	Analogue Analogue				ON C	ON O	I ON	ON	_	ON ON			
	Sorento	2015	2020	N	CAN				ON C	ON OI			ON		YES	YES	YES
	Soul Soul	2009 2012	2012 2018	Y	Analogue Analogue				ON C			ON	ON	ON ON			
	Sportage	2012	2018	Y	Analogue				ON C			H		ON			
	Venga	2009	2019	Y	Analogue				ON C	_	ON	_		ON			
Lancia	Delta Discovery	2009 2001	2004	Y N	CAN Analogue				- (ON OI		ON		ON ON			
	Discovery	2004	2009	Υ	CAN	HARCP2.2-LR1					ON			ON	YES		YES
Land Rover	Freelander Freelander	2001 2006	2003 2014	N Y	Analogue CAN	HARCP2.2-LR2	VEC	V/50		+	ON	<u> </u>	ON	ON ON	YES		YES
	Range Rover Sport	2005	2009	Y	CAN	HARCP2.2-LR1	YES	YES		\pm	ON	-		ON	YES		YES
Lexus	Lexus GS Series	2005 2003		Y	CAN Analogue		152	YES	ON C	_	ON	ON		ON ON			
Lexus Lifan Motors	<u> </u>	2005	2009	Y	CAN		YES	YES	ON CON	ON OI OI	ON I			ON			
	Lexus GS Series 620	2005 2003 2009 2012 2006	2009 2009	Y Y N N	CAN Analogue Analogue Analogue Analogue Analogue	HARCP2.2-LR1	YES	YES	ON ON	01 01	ON I I	ON ON		ON ON ON ON			
Lifan Motors	Lexus GS Series 620 720	2005 2003 2009 2012 2006 2003	2009 2009 2014	Y Y N N Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue	HARCP2.2-LR1 HARCP2-MZ23	YES	YES	ON ON ON	01 01 01	ON I I I I ON	ON ON ON		ON ON ON ON ON	YES	YES	YES
Lifan Motors	Lexus GS Series 620 720	2005 2003 2009 2012 2006 2003 2004 2005	2009 2009 2014 2015 2015	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23	YES	YES	ON O	01 01 01 0N 0N	ON I I I I ON	ON ON	ON	ON ON ON ON ON ON ON ON ON	YES YES YES	YES YES	YES YES YES
Lifan Motors	Lexus GS Series 620 720 Scorpio 2 3 5 6	2005 2003 2009 2012 2006 2003 2004 2005 2007	2009 2009 2014 2015 2015 2009	Y Y N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23	YES	YES	ON ON ON CON CON CON CON CON CON CON CON	OI OI ON ON ON	ON I I I I ON ON	ON ON ON ON	ON	ON	YES YES YES YES	YES YES	YES YES YES YES YES
Lifan Motors	Lexus GS Series 620 720	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001	2009 2009 2014 2015 2015 2019 2009 2003 2002	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23	YES	YES	ON ON ON CONTROL ON CO	01 01 01 0N 0N	ON I I I I ON ON	ON ON ON	ON	ON ON ON ON ON ON ON ON ON	YES YES YES	YES	YES YES YES
Lifan Motors	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7	2005 2003 2009 2012 2006 2003 2004 2005 2007 2007 2007 2001 2008	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23	YES	YES	ON ON ON ON ON ON ON ON	OI OI ON ON ON ON	ON I I I I ON ON	ON ON ON ON ON	ON ON	ON O	YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001	2009 2009 2014 2015 2015 2019 2009 2003 2002	Y Y N N N Y N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23 HARCP2-MZ23	YES	YES	ON O	OI OI ON ON ON ON	ON I I I I ON ON	ON ON ON ON ON ON ON	ON ON	ON O	YES YES YES YES YES YES YES	YES YES YES YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2007 1998	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2003 2005	Y Y N N N Y N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue AN/Analogue AN/Analogue AN/Analogue Analogue Analogue Analogue	HARCP2.4LR1 HARCP2-MZ23	YES	YES	ON O	OI OI OI ON ON ON ON ON ON	ON ON ON ON ON ON	ON ON ON ON ON	ON ON	ON O	YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 1997 2001	2009 2009 2009 2014 2015 2015 2009 2009 2002 2012 2015 2003 2003 2005 2005	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue ANAlogue CAN/Analogue ANAlogue Analogue Analogue Analogue	HARCP2.2-LR1 HARCP2-MZ23	YES	YES	ON ON ON ON ON ON ON ON	OI OI OI OI OI OI OI OI OI OI OI OI OI O	ON ON ON ON ON ON ON ON ON	ON ON ON ON ON	ON ON	ON O	YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2007 1998 1997 2001 1999 2003	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2003 2003 2005 2014 2014	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue AN/Analogue Analogue	HARCP2.2-LR1 HARCP2-MZ23	YES	YES	ON O	OI O	ON ON ON ON ON ON ON	ON ON ON ON ON	ON ON	ON O	YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 5corpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2001 1999 1997 2001 1999 2003 2001	2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2002 2012 2015 2003 2004 2004 2014 2004	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue	HARCP2.2-LR1 HARCP2-MZ23	YES	YES	ON O	OI O	ON ON ON ON ON ON ON	ON ON ON ON ON	ON	ON O	YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 1997 2001 1999 2003 2001 2004 2004	2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2004 2014 2004 2012 2012 2012	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue Analogue	HARCP2.2-LR1 HARCP2-MZ23	YES		ON O	OI O	ON O	ON ON ON ON ON ON ON	ON ON ON ON ON	ON O	YES	YES YES YES YES YES YES YES YES YES	YES
Lifan Motors Mahindra	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class A-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 1997 2001 1999 2001 1999 2001 2004 2004	2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2003 2004 2014 2004 2014 2004 2012 2012 2012 2012 2015	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Analogue Analogue CAN/Analogue Analogue Analogue CAN/Analogue Analogue Analogue Analogue CAN/Analogue Analogue Analogue Analogue	HARCP2.2-LR1 HARCP2-MZ23	YES	YES	ON ON ON ON ON ON ON ON	OI O	ON O	ON ON ON ON ON ON ON ON ON	ON ON ON ON ON	ON O	YES	YES	YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2007 1998 2001 2008 2007 2001 2008 2007 2001 2004 2004 2004 2004 2004 2004 2005 2005	2009 2009 2009 2014 2015 2015 2015 2009 2003 2002 2012 2015 2008 2004 2014 2004 2012 2012 2012 2012 2012	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue Analogue Analogue Analogue CAN/Analogue Analogue Analogue CAN/CAN CAN CAN CAN	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC4 HARCP2-MC4 HARCP2-MC4	YES	YES	ON ON ON ON ON ON ON ON	OI O	ON O	ON ON ON ON ON ON ON ON ON ON	ON ON ON ON ON	ON O	YES	YES	YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class B-Class B-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1999 2001 1999 2003 2001 1999 2003 2001 2004 2004 2004 2005 2005 2005	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2004 2012 2012 2012 2012	Y Y N N N N N N N N N N N N N N Y Y Y Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MZ24 HARCP2-MZ24 HARCP2-MZ24 HARCP2-MZ46 HARCP2-MZ46 HARCP2-MZ46	YES		ON ON ON ON ON ON ON ON	O O O O O O O O O O O O O O O O O O O	ON O	ON ON ON ON ON ON ON ON ON ON	ON ON ON ON ON	ON O	YES	YES	YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2007 1998 2001 2008 2007 2001 2008 2007 2001 2004 2004 2004 2004 2004 2004 2005 2005	2009 2009 2009 2014 2015 2015 2015 2009 2003 2002 2012 2015 2008 2004 2014 2004 2012 2012 2012 2012 2012	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue Analogue Analogue Analogue CAN/Analogue Analogue Analogue CAN/CAN CAN CAN CAN	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC4 HARCP2-MC4 HARCP2-MC4	YES	YES	ON ON ON ON ON ON ON ON	O O O O O O O O O O O O O O O O O O O	ON O	ON ON ON ON ON ON ON ON ON ON ON	ON ON ON ON ON	ON O	YES	YES	YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class B-Class C-Class C-Class C-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2007 1998 2001 2008 2007 2001 2004 2004 2004 2004 2004 2004 2004	2009 2009 2009 2014 2015 2015 2015 2009 2003 2002 2012 2015 2008 2004 2014 2004 2012 2012 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue CAN	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MZ24 HARCP2-MC24 HARCP2-MC4 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC6	YES	YES	ON ON ON ON ON ON ON ON	OID	ON O	ON ON ON ON ON ON ON ON ON ON	ON ON ON ON ON ON ON ON ON	ON O	YES	YES	YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class C-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 1997 2001 1999 2003 2001 2004 2004 2005 2005 2005 2005 2005 2005	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2004 2012 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N Y Y Y Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue	HARCP2LR1 HARCP2-MZ23 HARCP2-MC4 HARCP2-MC4 HARCP2-MC6 HARCP2-MC6 HARCP2-MC1	YES	YES	ON ON ON ON ON ON ON ON	OID	ON O	ON ON ON ON ON ON ON ON ON ON ON	ON ON ON ON ON ON ON ON ON	ON O	YES YES YES YES YES YES YES YES	YES	YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2001 2008 2007 2001 2004 2004 2005 2005 2005 2005 2000 2001 2004 2004 2005 2005 2005 2000 2001 2004 2004 2007 2004 2004 2007 2004	2009 2009 2009 2009 2014 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2004 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N Y Y Y Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue CAN	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC4 HARCP2-MC6 HARCP2.2-MC6	YES	YES	ON O	OI O	ON O	ON ON ON ON ON ON ON	ON	ON O	YES	YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class B-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2007 1998 2007 1999 2003 2004 2004 2004 2004 2004 2004 2004	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2005 2014 2004 2014 2014 2012 2012 2012 2011 2011	Y Y Y N N N N N N N N N N N N N N Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue CAN	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC24 HARCP2.2-MC4 HARCP2.2-MC6	YES	YES	ON ON ON ON ON ON ON ON	OI O	ON O	ON	ON ON ON ON ON ON ON ON ON ON ON ON	ON O	YES YES YES YES YES YES YES YES	YES	YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2001 2008 2007 2001 2004 2004 2004 2004 2005 2005 2005 2005	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2004 2014 2004 2014 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Ana	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC24 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1	YES	YES	ON O	OI O	ON O	ON	ON	ON O	YES	YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 1998 2007 1998 2001 2008 2007 2001 2004 2004 2005 2005 2005 2000 2001 2004 2004 2004 2005 2005 2000 2001 2004 2004 2004 2005 2005 2000 2001 2004 2004 2004 2004 2004 2005 2005 2000 2001 2004 2004 2004 2004 2004 2004	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2004 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Analogu	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC23 HARCP2-MC4 HARCP2-MC6 HARCP2.2-MC6 HARCP2.2-MC7 HARCP2.2-MC6 HARCP2.2-MC7	YES	YES	ON ON ON ON ON ON ON ON	OI O	ON	ON	ON	ON O	YES YES YES YES YES YES YES YES	YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2001 2008 2007 2001 2004 2004 2004 2004 2005 2005 2005 2005	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2004 2014 2004 2014 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Ana	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC24 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1	YES	YES	ON ON ON ON ON ON ON ON	OI O	ON	ON O	ON	ON O	YES YES YES YES YES YES YES YES	YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2001 1999 2003 2001 1999 2003 2001 2004 2004 2004 2005 2005 2005 2000 2001 2004 2004 2004 2007 2001 2006 2007 2001 2008	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2004 2014 2004 2014 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Ana	HARCP2.2-LR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC23 HARCP2-MC24 HARCP2-MC4 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1	YES	YES YES YES YES	ON ON ON ON ON ON ON ON	Oil	ON	ON	ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 1998 2007 1998 2001 2008 2007 2001 2004 2005 2005 2005 2005 2000 2001 2004 2004 2004 2005 2005 2005 2000 2001 2004 2004 2007 2001 2004 2004 2007 2001 2004 2007 2001 2004 2007 2001 2006 2005 2005 2006 2006 2006	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2014 2004 2011 2011 2011	Y Y Y N N N N N N N N N N N N N N N Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue CAN	HARCP2.2-IR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC23 HARCP2-MC4 HARCP2-MC4 HARCP2.2-MC4 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1	YES	YES	ON O	Oi	ON O	ON O	ON ON ON ON ON ON ON ON ON ON ON ON ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1999 2001 2004 2004 2004 2004 2004 2005 2005 2007 2000 2001 2004 2004 2004 2005 2005 2005 2000 2001 2004 2004 2004 2004 2004 2005 2005 2005	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2004 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue CAN	HARCP2IR1 HARCP2-MZ23 HARCP2-MC2 HARCP2-MC4 HARCP2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC3 HARCP2.2-MC3	YES	YES YES YES YES	ON ON ON ON ON ON ON ON	OI O	ON O	ON O	ON ON ON ON ON ON ON ON ON ON ON ON ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2001 2008 2007 2099 2001 2004 2004 2004 2004 2005 2005 2000 2001 2004 2004 2004 2005 2005 2000 2001 2004 2004 2005 2005 2000 2001 2004 2004 2005 2005 2006 2006 2006 2006 2006 2006	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2004 2014 2004 2014 2004 2011 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Ana	HARCP2.2-IR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC2 HARCP2-MC4 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC5 HARCP2.2-MC5 HARCP2.2-MC5	YES	YES YES YES YES YES YES	ON O	OI	ON O	ON O	ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES YES YES YES YES YES YES YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1999 2001 2004 2004 2004 2004 2004 2005 2005 2007 2000 2001 2004 2004 2004 2005 2005 2005 2000 2001 2004 2004 2004 2004 2004 2005 2005 2005	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2014 2004 2014 2004 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue CAN	HARCP2IR1 HARCP2-MZ23 HARCP2-MC2 HARCP2-MC4 HARCP2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC3 HARCP2.2-MC3	YES	YES YES YES YES YES	ON ON ON ON ON ON ON ON	O O O O O O O O O O	ON O	ON O	ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class C-Class C-Cl	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1999 2001 2004 2004 2004 2004 2004 2004 2004	2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2004 2014 2004 2014 2012 2012 2012 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Ana	HARCP2.2-IR1 HARCP2.MZ23 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC23 HARCP2-MC24 HARCP2-MC4 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC6	YES	YES YES YES YES YES YES	ON ON ON ON ON ON ON ON	O O O O O O O O O O	ON O	ON O	ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 720 Scorpio 2 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class B-Class B-Class B-Class C-Class	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2007 1998 2007 1999 2003 2004 2004 2004 2004 2004 2004 2004	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2009 2003 20014 2004 2014 2014 2012 2012 2012 201	Y Y Y N N N N N N N N N N N N N N N N Y	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Ana	HARCP2.2-IR1 HARCP2-MZ23 HARCP2-MC23 HARCP2-MC23 HARCP2-MC24 HARCP2-MC24 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6	YES	YES YES YES YES YES YES	ON ON ON ON ON ON ON ON	OI	ON O	ON O	ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES
Lifan Motors Mahindra Mazda	Lexus GS Series 620 720 Scorpio 2 3 3 5 6 6 323 626 CX-7 CX-9 Demio MPV MX-5 Premacy RX-8 Tribute A-Class A-Class B-Class B-Class B-Class B-Class B-Class B-Class B-Class C-Class C-Cl	2005 2003 2009 2012 2006 2003 2004 2005 2007 1998 2001 2008 2007 1998 2001 1999 2003 2001 1999 2003 2001 2004 2004 2004 2005 2005 2005 2000 2001 2004 2004 2004 2005 2005 2005 2000 2001 2006 2006 2006 2008 2008 2008 2008	2009 2009 2009 2009 2014 2015 2015 2009 2003 2002 2012 2015 2003 2005 2004 2014 2014 2014 2014 2014 2014 2016 2017 2017 2017 2017 2018 2008 2009 2009 2014 2011 2011 2011 2011 2011 2011 2011	Y Y N N N N N N N N N N N N N N N N N N	CAN Analogue Analogue Analogue Analogue Analogue Analogue Analogue Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue CAN/Analogue Analogue Ana	HARCP2.2-IR1 HARCP2.MZ23 HARCP2-MZ23 HARCP2-MC2 HARCP2-MC2 HARCP2.2-MC4 HARCP2.2-MC4 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC1 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC6 HARCP2.2-MC5 HARCP2.2-MC5 HARCP2.2-MC6	YES	YES YES YES YES YES YES	ON O	O O O O O O O O O O	ON O	ON O	ON O	ON O	YES YES YES YES YES YES YES YES	YES	YES YES YES YES YES YES YES YES

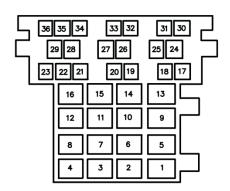
Manufacturer	Model	Start Year	End Year	Phone Button	CAN / Analogue	Harness	OEM Chime Retention	OEM MOST Amplifier Retention	1				ettin _i	6	7	Reverse	Outputs Speed	Park Brake
	Vito	2015		Support	CAN	HARCP2.2-MC1	Retention	Retention			ON (ON	Ŧ	YES	YES	YES
Mercedes	Vivano	2004	2015	Y	CAN	HARCP2.2-MC1			ON			ON		-	ON	YES	YES	YES
	ASX	2010	2018	Υ	Analogue				-		NC		ON		NC			
	Attrage Challenger	2015 2009	2015	Y	Analogue Analogue		1		-	_	NC NC	-	ON ON	_	ON ON			
	Delica	2007	2010	Y	Analogue				ON	ON	_	-	ON		ON			
	L200	2015		Υ	Analogue					ON (ON		ON	(NC			
	Lancer	2007	2018	Y	Analogue				ON	_	_	ON	-	_	NC			
	Lancer Mirage	2010 2013	2018 2019	Y	Analogue Analogue		+		-		NC NC	-	ON ON	_	ON ON			
Mitsubishi	Outlander	2013	2019	Y	Analogue				ON	OIV	_		ON		ON			
	Outlander	2003	2018	Υ	Analogue				-	ON (_	$\overline{}$	ON	-	ON			
	Outlander	2013		Υ	CAN/Analogue				ON		_	ON		_	NC	YES	YES	YES
	Pajero Pajero Sport	2006 2016	2019 2019	Y	Analogue					ON (ON ON		ON ON	_	ON ON			
	Pajero Sport RVR	2016	2019	Y	Analogue Analogue		 			ON (ON		ON			
	Shogun	2013		Y	Analogue					ON (-	ON	_	ON			
	Space Star	2015		Υ	Analogue					ON (ON	_	NC			
	Triton	2007		Υ	Analogue				-		NC	_	ON	_	NC			
	350z Almera	2003 2000	2006	N N	Analogue Analogue		1		ON ON		NC ON		ON ON	ON	+			-
	Cube	2009	2019	Y	Analogue	HARCP2-NI23			ON		ON		OIV	$\overline{}$	ON			
	Evalia	2013	2017	Y	Analogue	HARCP2-NI23	<u>L</u> _		ON	(NC	ON	丁	_	ON			
	Frontier	2009	2017	Υ	Analogue	HARCP2-NI23			ON		NC		耳	_	ON			
	Juke	2010	2019	Y	Analogue	HARCP2-NI23	-	<u> </u>	ON			ON	\dashv		NC			
	Kicks March	2016 2007	2019 2013	Y	Analogue Analogue	HARCP2-NI23 HARCP2-NI23	1		ON ON		NC NC		\dashv	_	NC NC	1		
	Micra	2007	2013	Y	Analogue	HARCP2-NI23			214	+	_	ON	\dashv	_	ON	1		
	Murano	2005	2008	Υ	Analogue	HARCP2-NI23			ON		NC	ON	╛	(NC			
	Navara	2005	2017	Y	Analogue	HARCP2-NI23			ON			ON	-		N			
	Note	2006	2014	Y	Analogue	HARCP2-NI23	1	-	ON		NC	$\overline{}$	_	-	NC			
Nissan	NV200 Pathfinder	2013 2010	2017 2016	Y	Analogue Analogue	HARCP2-NI23 HARCP2-NI23	1	 	ON ON		_	ON ON	\dashv	_	NC ON			
	Pulse	2010	2013	Y	Analogue	HARCP2-NI23	<u> </u>		ON		ON O	-	\dashv	_	ON			
	Qashqai	2007	2013	Υ	Analogue	HARCP2-NI23					_	ON		_	NC			
	Quest	2010	2017	Y	Analogue	HARCP2-NI23			ON		NC		_	_	NC			
	Sentra	2013 2012	2016	Y	Analogue	HARCP2-NI23			ON ON		_	ON ON	\dashv	_	NC NC			
	Sunny Terrano	2012	2006	N N	Analogue Analogue	HARCP2-NI23	1		ON)N ON		ON	ON	JIN			
	Tilda	2007	2014	Y	Analogue				ON			ON	0.1		ON			
	Titan	2009	2014	Y	Analogue	HARCP2-NI23			ON		NC	-		(NC			
	Versa	2006	2011	Υ	Analogue	HARCP2-NI23			ON		_	ON	_	$\overline{}$	NC			
	Xterra X-Trail	2005 2009	2015 2013	Y	Analogue Analogue	HARCP2-NI23 HARCP2-NI23	+		ON	- (_	ON ON	\dashv	_	ON ON			
	X-Trail	2013	2015	N N	Analogue	HARCEZ-NIZS				ON (ON	- †		ON			
	108	2014		Υ	Analogue				ON	ON (NC		ON	(NC			
	206	1998	2002	N	Analogue					ON	_			-	NC			
	207	2006	2012	N	CAN	HARCP2-PSA52	1		$\overline{}$	NO	4			_	NC	YES	YES	YES
	208 306	2012 1998	2013 2002	N N	CAN Analogue	HARCP2-PSA52	 			ON	+	+	ON		ON ON	YES	YES	YES
	307	2005	2008	N	CAN	HARCP2-PSA52				ON	7	T	ON	-	ON	YES	YES	YES
	308	2007	2013	N	CAN	HARCP2-PSA52			-	ON		-	$\overline{}$	_	ON	YES	YES	YES
	3008	2009	2016	N	CAN	HARCP2-PSA52			-	ON	4			_	ON	YES	YES	YES
	407 4007	2004 2007	2011	N Y	CAN Analogue	HARCP2-PSA52	1		ON	ON	+		ON	ON C	ON ON	YES	YES	YES
	4008	2010	2017	Y	Analogue				-	ON (_	-	ON	_	ON			
Peugeot	5008	2009	2013	N	CAN	HARCP2-PSA52			$\overline{}$	ON		-	$\overline{}$	ON (_	YES	YES	YES
	607	2005	2012	N	CAN	HARCP2-PSA52				ON			ON		NC	YES	YES	YES
	806 807	1996 2005	2002 2014	N N	Analogue CAN	HARCP2-PSA52	+			ON (ON		ON ON		ON ON	YES	YES	YES
	Bipper	2003	2014	Y	CAN	HANGEZ-FUMUZ	†				ON I		ON)N)N	YES	YES	YES
	Boxer	2006	2008	N N	CAN					ON ($\overline{}$	ON	YES	YES	YES
	Boxer	2008	2014	N	CAN					ON (Д			ON	YES	YES	YES
	Boxer Expert	2014 2007	2016	Y	CAN CAN	HARCP2-PSA52	1	<u> </u>	ON	ON	ON (-	ON ON	NC ON C	ON	YES YES	YES	YES YES
	Partner	2007	2018	N N	CAN	HARCP2-PSA52	†			ON	\dashv			ON C		YES	YES	YES
	RCZ	2010	2013	N	CAN	HARCP2-PSA52			$\overline{}$	ON	⇉			ON C		YES	YES	YES
	Cayenne	2002	2007	N	CAN				ON			ON			N	YES	YES	YES
Porsche	Cayenne	2002	2007 2010	N N	CAN	HARCP2.2-PO2	1	YES	ON ON			ON ON		ON C		YES	YES	YES
	Cayenne Cayenne	2007 2007	2010	N N	CAN CAN	HARCP2.2-PO3	<u> </u>	YES	ON			ON		$\overline{}$	ON ON	YES	YES	YES YES
Proton	GEN-2	2004		N	Analogue	HARCP2.2-FA1			ON				_	ON (_	. 20		
	Clio	2005	2009	N	CAN				\Box	I		ON	ON	ON C	NC	YES	YES	YES
	Clio	2009	2013	Y	CAN	HARCP2.2-RN1	-	<u> </u>	\dashv	4	4			ON C	_	YES	YES	YES
	Fluence Laguna	2010 2005	2013 2007	Y N	CAN CAN	HARCP2.2-RN1	-	 	\vdash	+	-1.		ON	ON C	NC	YES YES	YES	YES
	Laguna	2003	2007	Y	CAN	HARCP2.2-RN1	1		\vdash	\dashv	+			ON C		YES	YES	YES
	Megane	2005	2008	N N	CAN					⇉		ON	ON	ON C	NC	YES	YES	YES
	Megane	2008	2012	Y	CAN	HARCP2.2-RN1			\Box	_[\prod			ON C		YES	YES	YES
Renault	Modus Scala	2005 2011	2012	N N	CAN		1	<u> </u>	ON		ON	ON	ON	_	ON ON	YES	YES	YES
	Scenic	2011	2009	N N	Analogue CAN		1	 	ON	+			ON	-	ON ON	YES	YES	YES
	Scenic	2009	2014	Y	CAN	HARCP2.2-RN1					Ħ			ON C		YES	YES	YES
	Trafic	2006		N	CAN					I		ON	ON	ON C	ON	YES	YES	YES
	Trafic	2010	2013	Y	CAN	HARCP2.2-RN1		<u> </u>	\Box	4	4		ON		N	YES	YES	YES
	Twingo Twingo	2007 2009	2009 2014	N Y	CAN CAN	HARCP2.2-RN1		 	\vdash	+	-			ON C		YES YES	YES	YES YES
	Wind	2009	2014	Y	CAN	HARCP2.2-RN1	1		\dashv	+	+			ON C		YES	YES	YES
	25	2000	2005	N	Analogue		<u> </u>		o	J	╛	Ħ		ON (
	45	2000	2005	N	Analogue				\Box	I	I	\Box			ON			
B	75	2000	2004	N	Analogue		-	<u> </u>	\dashv	4	4	4		ON (
Rover	75 ZR	2000 2001	2005 2005	N N	Analogue Analogue		1	<u> </u>	\dashv	+	+	\dashv		ON (-		
	ZS	2001	2005	N	Analogue				\dashv	\dashv	\dashv	\dashv		ON (1		
<u> </u>	ZT	2001	2005	N	Analogue									ON (

Manufacturer	Model	Start Year	End Year	Phone Button Support	CAN / Analogue	Harness	OEM Chime Retention	OEM MOST Amplifier Retention	1		switch		ting	7	Reverse	Outputs Speed	Park Brake
SAAB	93 95	1998 1998	2002 2002	N N	Analogue Analogue				ON 0				ON				
Scania	R 480	2004	2015	N	CAN				ON), ,		N O		ON			
	Fabia Fabia	2007 2013	2014	Y N	CAN CAN				ON (4	_	N ON	ON	YES	YES	YES
	Octavia	2013	2008	Y	CAN				ON C		+		N ON N ON		YES YES	YES YES	YES YES
·	Octavia	2008	2013	N	CAN				ON (_		_	N ON	ON	YES	YES	YES
Skoda	Rapid Roomster	2010 2008	2015	N Y	CAN CAN			-	ON (+	0	N ON N ON	ON	YES YES	YES YES	YES YES
	Superb	2008	2013	N	CAN				ON C	_	t	_	N ON	ON	YES	YES	YES
	Yeti Yeti	2010 2014	2014	N Y	CAN CAN				ON (_	01	_	N ON	ON ON	YES	YES YES	YES
	Altea	2014	2015	Y	CAN	HARCP2-VAG52			ON C	_	UI	_	N ON		YES YES	YES	YES YES
	Alhambra	2015		Υ	CAN				ON (01			ON	YES	YES	YES
SEAT	Exeo Ibiza	2009 2008	2013 2012	Y	CAN CAN	HARCP2-VAG52			ON (01		N ON N ON	ON	YES YES	YES YES	YES YES
1	Ibiza	2012	2016	Y	CAN	HARCP2-VAG52			ON (_		0	_	ON	YES	YES	YES
	Leon Toledo	2005 2005	2012 2015	Y	CAN CAN	HARCP2-VAG52 HARCP2-VAG52			ON (-	0	N ON N ON	ON	YES YES	YES	YES YES
	Forester	2007	2013	Y	Analogue	HANCE 2-VAG52			ON	/IN	\top	_	N ON	_	163	163	163
	Forester	2012		Υ	Analogue				ON			0	_	ON			
	Forester Impreza	2015 2007	2012	Y	Analogue Analogue			-	ON	ON O	N O		ON N ON	ON			-
Subaru	Impreza	2012	2015	Y	Analogue				ON		T	0		ON			
	Impreza	2015 2012		Y	Analogue				ON (ON O	N O	_	ON	ON			
	Outback XV	2012	2015	Y	Analogue Analogue				ON	+	+	0	_	ON			+
	XV	2015		Υ	Analogue					ON O	_	N	ON				
	Actyon Actyon	2006 2012		N Y	Analogue Analogue			1	\vdash	0	N O	N O		ON			\vdash
	Korando	2010		N	Analogue						01	_	_	ON			†
	Korando Sport	2012		N	Analogue				\Box	Į.	_	N O	_	ON			
	Korando Sport Rexton	2012	2012	Y N	Analogue Analogue				\vdash	- 0	N OI	_	_	ON ON			1
SsangYong	Rexton	2007	2012	Υ	Analogue						N O	N O	N	ON			
	Rexton W	2013		Y	Analogue				\vdash	0	_	N O	_	ON ON			-
	Rodius Rodius Turismo	2013 2013		N Y	Analogue Analogue				\vdash	0	_	N O	_	ON			
	Stavic	2013		Υ	Analogue					0	N OI	N O	N	ON			
	Tivoli EX/ELX Dzire	2015 2008	2010	Y	Analogue Analogue				ON	+	01	N O	N ON ON	ON			+
	Ertiga	2012	2015	Y	Analogue				ON		01	_	ON	ON			
	Fun	2002	2010	Y	Analogue	HARCP2.2-VX1			011	0	N	0	_				
	Grand Nomade Grand Vitara	2001	2009 2015	Y	Analogue Analogue	HARCP2-HD23			ON ON	+	01 01		ON	ON ON			+
Suzuki	Ritz	2009		Υ	Analogue				ON		01	_	ON	ON			
	Splash Swift	2009 2006	2011	Y	Analogue Analogue	HARCP2-HD23 HARCP2-HD23		1	ON ON	+	01 01		ON				-
	SX4	2006	2011	Y	Analogue	HARCP2-HD23			ON		01		ON	ON			
	SX4 S Cross Vitara	2013 2015		Y	Analogue	HARCP2-HD23			ON	4	01	_	ON	_			
	Indigo	2015		Y	Analogue Analogue				ON (N	01 01	_	ON	ON			++
Tata	Manza	2012		Υ	Analogue				_	N	01	N	ON				
	Vista 4Runner	2012 2002	2009	Y	Analogue Analogue	HARCP2.2-TY1			ON (N O	OI N	N O	ON N	ON ON			+
	4Runner	2002	2014	Y	Analogue	HARCP2-TOY23			ON 0	O NC	N	0		ON			
	Auris Auris	2003 2007	2009 2015	Y	Analogue	HARCP2.2-TY1 HARCP2-TOY23			ON (_	N	0	_	ON			
	Avanza	2007	2013	N Y	Analogue Analogue	HARCP2.2-TY1			ON (ON O	N	0		ON ON			\vdash
	Avensis	2001	2009	Υ	Analogue	HARCP2.2-TY1			ON (O NC	_	0	N	ON			
	Avensis Aygo	2011 2014	2015	N Y	Analogue Analogue	HARCP2-TOY23		1	ON (N O	N	0	_	ON ON			-
	Camry	2017	2021	Y	Analogue	HARCP2.2-TY2			ON (0		ON			
	Corolla	2001	2009	Y	Analogue	HARCP2.2-TY1			ON (N	0		ON			
	Corolla Estima	2009 2006	2016 2016	N Y	Analogue Analogue	HARCP2-TOY23 HARCP2.2-TY1			ON (ON O	N	0		ON ON			+
	FJ Cruiser	2001	2007	Υ	Analogue	HARCP2.2-TY1			ON (ON O	N	0	_	ON			
	Fortuner Fortuner	2005 2011	2011 2015	Y N	Analogue Analogue	HARCP2.2-TY1 HARCP2-TOY23		1	ON (ON O	N	0		ON ON			+
	Hilux	2012	2020	Y	Analogue	HARCP2.2-TY1			ON (N	0		ON			
Toyota	Hilux	2020	2015	Y	Analogue	HARCP2.2-TY2			ON (0	_	ON			
	Innova Innova	2006 2011	2015 2015	Y N	Analogue Analogue	HARCP2.2-TY1 HARCP2-TOY23			ON (ON O	N	0		ON ON			1
	Landcruiser	2003	2010	Υ	Analogue	HARCP2.2-TY1			ON 0	O NC		0	N	ON			
	Matrix Prado	2003 2003	2014 2009	Y	Analogue Analogue	HARCP2.2-TY1 HARCP2.2-TY1			ON (0		ON ON			-
	Previa	2005	2009	Y	Analogue	HARCP2.2-TY1			ON (0	_	ON			
	Prius	2009	2015	Υ	Analogue	HARCP2.2-TY1			ON (0		ON			
	Prius Prius+	2004 2012	2017 2014	N N	Analogue Analogue	HARCP2-TOY23 HARCP2-TOY23		-	ON (0		ON ON			+
	RAV-4	2001	2007	Υ	Analogue	HARCP2.2-TY1			ON C			0		ON			
	RAV-4	2006	2018	N	Analogue	HARCP2-TOY23			_)N		0		ON			\Box
	Rush Rush	2006 2006	2011 2017	Y N	Analogue Analogue	HARCP2.2-TY1 HARCP2-TOY23		 	ON (ON O	IN	0		ON ON			+
	Verso	2011		Υ	Analogue	HARCP2.2-TY1			ON 0	O NC		0	N	ON			
	Vios Yaris	2003 2001	2007 2014	Y	Analogue	HARCP2.2-TY1 HARCP2.2-TY1		1	ON (0	_	ON ON	-		+
	Yaris Yaris	2001	2014	N N	Analogue Analogue	HARCP2.2-TY1 HARCP2-TOY23				ON O	1N	0	_	ON			
	S60	2001	2007	N	CAN	HARCP2-VO53			ON		N OI		ON		YES	YES	YES
Volvo	S80 V70	1998 2000	2006 2007	N N	CAN	HARCP2-VO53 HARCP2-VO53		-	ON ON	0	N OI	_	ON	\vdash	YES YES	YES YES	YES YES
	XC70	2000	2007	N	CAN	HARCP2-VO53			ON	0	N OI	N	ON		YES	YES	YES
	XC90	2004 2010	2014	N Y	CAN CAN	HARCP2.2-VL1	YES		ON	_	N OI	N O	ON	ONI	YES YES	YES YES	YES YES
vw	Amarok Beetle	2010	2016	Y	CAN	HARCP2-VAG52		 	ON (N O		ON ON	YES	YES	YES
												-	_	•			

				Phone			OEM					etting			Outputs		
Manufacturer	Model	Start Year	End Year	Button Support	CAN / Analogue	Harness	Chime Retention	Amplifier Retention	1	2	3	4	5 6	7	Reverse	Speed	Park Brake
	Caddy	2015		Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	CC	2009	2014	Υ	CAN	HARCP2-VAG52			ON	ON	(NC	NC	ON	YES	YES	YES
	Crafter	2006	2014	Υ	CAN	HARCP2.2-MC1			ON		ON (NC	O NC	NO N	YES	YES	YES
	EOS	2006	2015	Υ	CAN	HARCP2-VAG52			ON	ON	(NC	NC	ON	YES	YES	YES
	Fusca	2005	2011	Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Gol	2012		Υ	CAN						ON			ON	YES	YES	YES
	Golf	2003	2013	Υ	CAN	HARCP2-VAG52			ON	ON	(NC	NC	ON	YES	YES	YES
	GTI	2006	2014	Υ	CAN	HARCP2-VAG52			ON	ON	(NC	NC	ON	YES	YES	YES
	Jetta	2005	2017	Υ	CAN	HARCP2-VAG52			ON	ON	(NC	NC	ON	YES	YES	YES
	Magotan	2005	2011	Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Multivan	2003	2008	N	CAN				ON	ON			0	NO N	YES	YES	YES
VW	Passat	2002	2015	Υ	CAN	HARCP2-VAG52			ON	ON		NC		ON	YES	YES	YES
	Polo	2005	2014	Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Sagitar	2005	2011	Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Scirocco	2008	2015	Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Sharan	2015		Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Suran	2009		Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	T-6	2015		Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Tiguan	2007	2017	Υ	CAN	HARCP2-VAG52			ON	ON	(NC	NC	ON	YES	YES	YES
	Touareg	2003	2010	N	CAN	HARCP2-VAG52			ON	ON			0	N ON	YES	YES	YES
	Touran	2003	2015	Υ	CAN	HARCP2-VAG52			ON	ON	(NC	NC	ON	YES	YES	YES
	Transporter	2003	2015	Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Vento	2005	2011	Υ	CAN				ON	ON	(NC	NC	ON	YES	YES	YES
	Agila	2000	2004	N	Analogue	HARCP2.2-VX1					ON		O NC	N ON			
	Agila	2009	2015	N	Analogue				ON	T	-	NC	0	N ON			
	Antara	2006	2014	γ	CAN	HARCP2-VX52				T	ON (NC	O NC	N ON	YES	YES	YES
	Astra	1998	2004	N	Analogue	HARCP2.2-VX1					ON		O NC	NO N			1
	Astra	2004	2010	Υ	CAN	HARCP2-VX52					ON (NC	O NC	NO N	YES	YES	YES
	Astra Classic	2004	2009	N	Analogue	HARCP2.2-VX1				T	ON		O NC	N ON			
	Corsa	2000	2004	N	Analogue	HARCP2.2-VX1					ON		O NC	N ON			
	Corsa	2005	2014	Υ	CAN	HARCP2-VX52					ON (NC	O NC	NO N	YES	YES	YES
	Meriva	2003	2005	N	Analogue	HARCP2.2-VX1				T	ON		O NC	N ON			
Vauxhall/Opel	Meriva	2005	2010	Υ	CAN	HARCP2-VX52				T	ON (NC	O NC	N ON	YES	YES	YES
	Omega	2000	2003	N	Analogue	HARCP2.2-VX1				T	ON		O NC	N ON			
	Signum	2005	2008	Υ	CAN	HARCP2-VX52					ON (NC	O NC	N ON	YES	YES	YES
	Tigra	2004	2009	Υ	CAN	HARCP2-VX52					ON (ON I	O NC	N ON	YES	YES	YES
	Vectra	1998	2004	N	Analogue	HARCP2.2-VX1			П	_	ON	_	O NC				
	Vectra	2004	2008	Υ	CAN	HARCP2-VX52		1	П	-	_	_	O NC	_	YES	YES	YES
	Vivaro	2002	2006	N	Analogue	HARCP2.2-VX1		1	П	-	ON		O NC				
	Vivaro	2011	2013	Υ	CAN					_	\dashv		ON O		YES	YES	YES
	Zafira	1999	2005	N	Analogue	HARCP2.2-VX1			Н	1	ON	\rightarrow	O NC	_			† · · ·
	Zafira	2005	2014	γ	CAN	HARCP2-VX52	1	1	Н	-	_	_	ON O	_	YES	YES	YES

ALFA ROMEO

Mini-ISO Vehicles

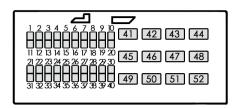


147/156/GT	Analogue
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
Batt 12V	2
Ground	4

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

147/156/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		

Giulietta/Mito/4C OEM Specific

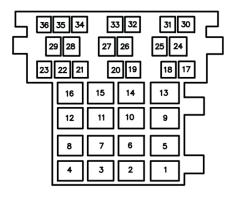


Giulietta/Mito/4C		
Interface Wire	Pin Number	
CAN High	2	
CAN Low	12	
Batt 12V	44	
Ground	43	

Harnesses Available: HARCP2.2-AR1 HARCP2.2-FA1

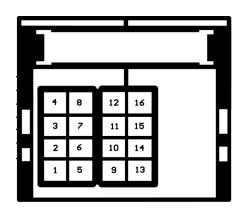
AUDI

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

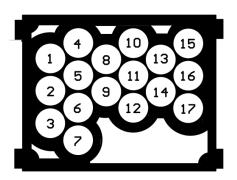


Audi CAN-Bus Quadlock		
Interface Wire	Pin Number	
CAN High	9	
CAN Low	10	
Batt 12V	15	
Ground	12	

Harnesses Available: HARCP2.2-AU1 HARCP2.2-AU3 HARCP2-VAG52

BMW

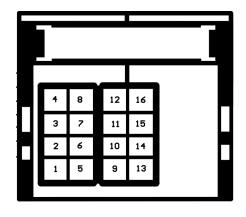
17 Way Round Pin i-Bus Vehicles



40 Way Flat Pin Quadlock i-Bus Vehicles

	,,,,,	11101	<u> </u>		
	_				
			40		
П	4	8	12	16	
Ш	3	7	11	15	Ш
Н	2	6	10	14	
	1	5	9	13	

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

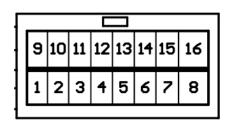
*Note that BMW i-Bus vehicles require a 4k7 resistor putting between the Batt 12V wire and the i-Bus wire (Analogue 2).

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

Harnesses Available: HARCP2.2-BM1 HARCP2.2-BM2 HARCP2.2-BM3 HARCP2-BM32

CHERY

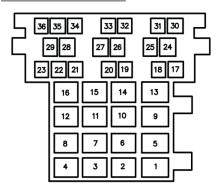
16 Way Kenwood Connector



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

CHRYSLER

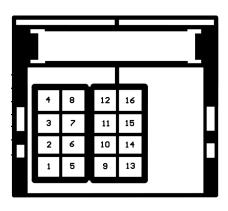
Mini ISO Connector



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

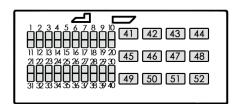
CITROEN

Quadlock CAN-Bus Vehicles



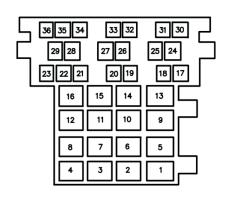
Quadlock CAN-Bus Vehicles		
Interface Wire	Pin Number	
CAN High	10	
CAN Low	13	
Batt 12V	12	
Ground	16	

Jumper OEM Specific



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

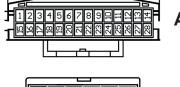
Mini ISO Connector

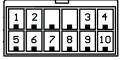


Relay/Jumper 2006-2008 Relay/Jumper 2008-2013 Evasion/Synergie 1996-2002 Dispatch 2007-2016	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

CITROEN cont'd.

C1 OEM Specific





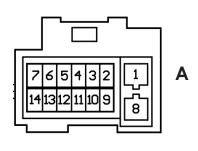
B

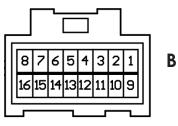
C1 Analogue 2014>	
Interface Wire	Pin Number
Analogue 1	A20
Analogue 2	A19
Analogue Ground	A21
Batt 12V	В4
Ground	В7

Harnesses Available: HARCP2-PSA52

CHEVROLET

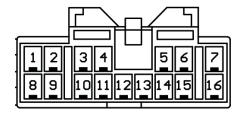
Fujitsu Ten Specific Connector





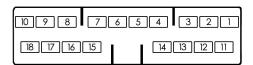
Aveo, Captiva	
Interface Wire	Pin Number
Analogue 2	B12
Analogue Ground	A12
Batt 12V	Al
Ground	A8

White \$10 Connector



\$10, Colorado	
Interface Wire	Pin Number
Analogue 1	5
Analogue Ground	13
Batt 12V	14
Ground	10

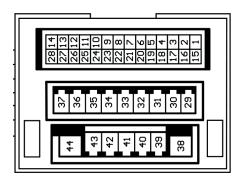
White Spark Connector



Spark 2010-2015	
Interface Wire	Pin Number
Analogue 1	8
Analogue Ground	5
Batt 12V	15
Ground	6

CHEVROLET cont'd.

Spark/Sonic OEM Specific

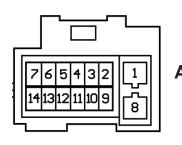


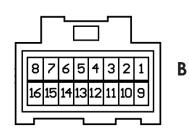
Spark, Sonic	
Interface Wire	Pin Number
Analogue 2	19
Analogue Ground	5
Batt 12V	44
Ground	38

Harnesses Available: HARCP2.2-VX1

DAEWOO

Fujitsu Ten Specific Connector

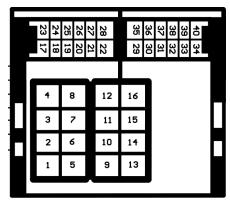




Winstorm	
Interface Wire	Pin Number
Analogue 2	B12
Analogue Ground	A12
Batt 12V	A1
Ground	A8

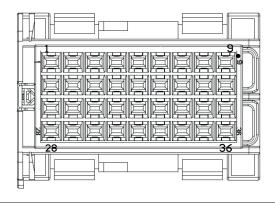
DAF

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

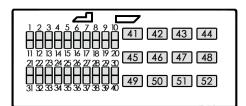
OEM Specific



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

DODGE

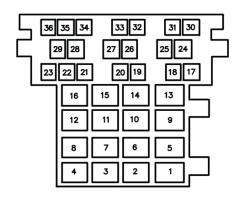
OEM Specific Connector



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

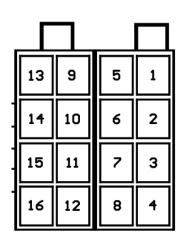
Ducato <2008	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
CAN High	5
CAN Low	6
Batt 12V	2
Ground	4

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

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	

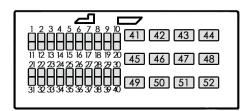
8 Way ISO Connector



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

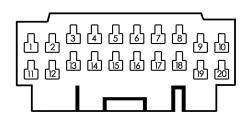
FIAT cont'd.

OEM Specific Connector



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

Sedici OEM Connector

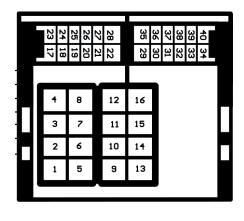


Sedici 2006-2014	
Interface Wire	Pin Number
Analogue 1	8
Analogue 2	19
Analogue Ground	20
Batt 12V	1
Ground	11

Harnesses Available: HARCP2.2-AR1 HARCP2.2-FA1

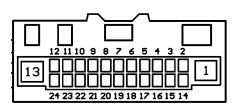
FORD

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

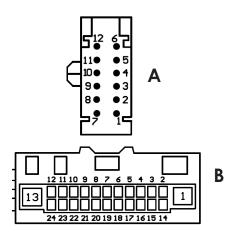
24 Way Ford Connector



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

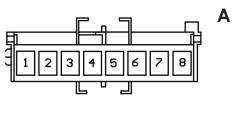
FORD cont'd.

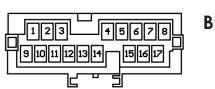
24 Way New Connector (Vehicles with Display)



B-Max, C-Max, Ecosport, Escape, Fiesta, Focus, Kuga, Ranger, Taurus, Transit-Custom, Transit-Connect	
Interface Wire	Pin Number
CAN High	A4
CAN Low	A5
Analogue 1	A7
Analogue Ground	A10
Batt 12V	В1
Ground	B13

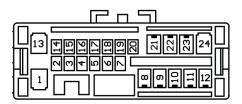
Old Style Analogue Vehicles





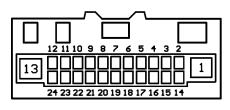
Old Style Analogue	
Interface Wire	Pin Number
Analogue 1	B5
Analogue Ground	В6
Batt 12V	A3
Ground	A8

Fiesta/F150/Fusion



F150, Fiesta, Focus, Fusion, Galaxy, Mondeo, Puma, Transit Analogue	
Interface Wire	Pin Number
Analogue 1	18
Analogue Ground	19
Batt 12V	1
Ground	13

Fiesta/Transit (Vehicles without Display)

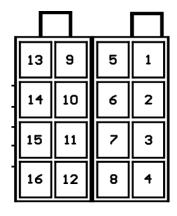


Fiesta, Transit 2013>	
Interface Wire	Pin Number
Analogue 1	9
Analogue Ground	20
Batt 12V	1
Ground	13

Harnesses Available: HARCP2-FD22 HARCP2-FD52

GREAT WALL

8 Way ISO Connector

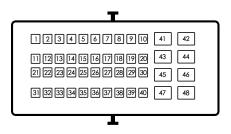


Steed, Wingle	
Interface Wire	Pin Number
Analogue 2	1
Analogue Ground	5
Batt 12V	8
Ground	4

Н6	
Interface Wire	Pin Number
Analogue 1	6
Analogue 2	1
Analogue Ground	5
Batt 12V	8
Ground	4

HARLEY DAVIDSON

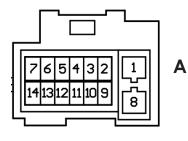
Street Glide OEM Connector

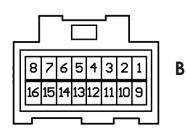


Street Glide	
Interface Wire	Pin Number
CAN High	1
CAN Low	11
Batt 12V	46
Ground	45

HOLDEN

Fujitsu Ten Specific Connector

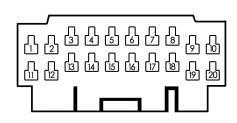




Captiva	
Interface Wire	Pin Number
Analogue 2	B12
Analogue Ground	A12
Batt 12V	Al
Ground	A8

HONDA

CR-V/S2000/Jazz OEM Specific

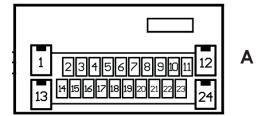


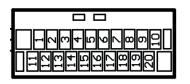
CR-V 05-07, \$2000 99-09	
Interface Wire	Pin Number
Analogue 1	8
Analogue Ground	7
Batt 12V	1
Ground	11

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>





Interface Wire Pin Number

CAN High B13

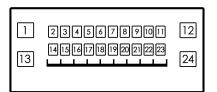
CAN Low B3

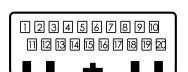
Batt 12V A13

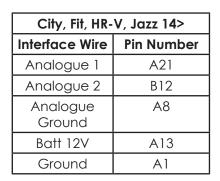
Ground A1

Civic CAN-Bus 2012>

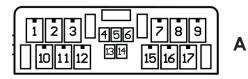
City/Fit/HR-V/Jazz OEM Specific

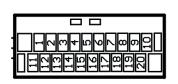






Analogue Vehicles





В

B

Α

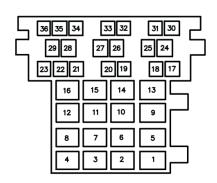
В

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

Harnesses Available: HARCP2-HD23

HYUNDAI

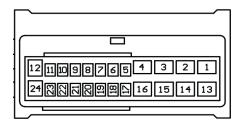
Mini-ISO Connector



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

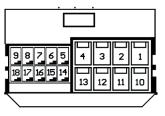
HYUNDAI cont'd.

Santa Fe 2006-2010



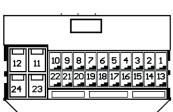
Santa Fe 2006-2010	
Interface Wire	Pin Number
Analogue 2	6
Analogue Ground	18
Batt 12V	12
Ground	24

Hyundai White Connector





В

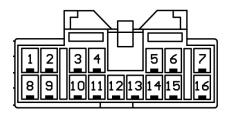


Interface Wire	Pin Number
Analogue 2	В4
Analogue Ground	B17
Batt 12V	B12
Ground	B24

Hyundai White Connector

ISUZU

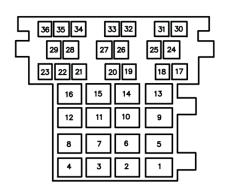
D-Max Connector



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

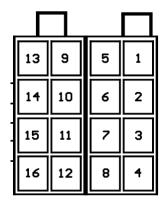
IVECO

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.



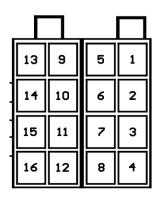
Daily ISO (2019>)	
Interface Wire	Pin Number
Analogue 2	*See Diagram
Batt 12V	2
Ground	4

*Connnect 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

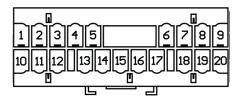
8 Way ISO Connector



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

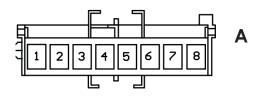
JAGUAR

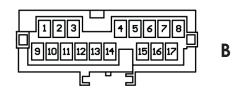
XJ8 Connector



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

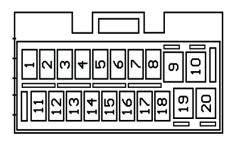




\$ Type 99-02	
Interface Wire	Pin Number
Analogue 1	B5
Analogue Ground	В6
Batt 12V	А3
Ground	A8

JAGUAR cont'd.

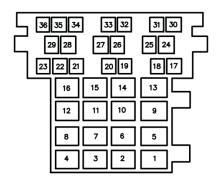
X Type Connector



X Type 02-09	
Interface Wire	Pin Number
Analogue 1	13
Analogue Ground	To vehicle chassis
Batt 12V	20
Ground	10

KIA

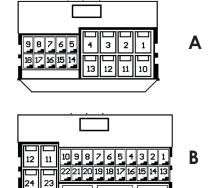
Mini-ISO Vehicles



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

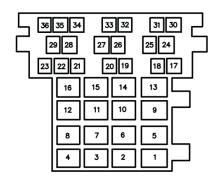


Kia White Connector	
Interface Wire	Pin Number
Analogue 2	B4
Analogue Ground	B17
Batt 12V	B12
Ground	B24

Sorento/Carnival/Sedona 15>	
Interface Wire	Pin Number
CAN High	В1
CAN Low	B13
Batt 12V	B12
Ground	B24

LANCIA

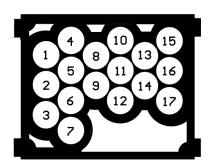
Delta Connector



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

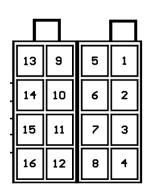
LAND ROVER

17 Way BMW Connector



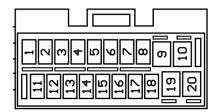
Land Rover Discovery/ Freelander with 17 way BMW Connector	
Interface Wire	Pin Number
Analogue 1	16
Analogue Ground	10
Batt 12V	11
Ground	10

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

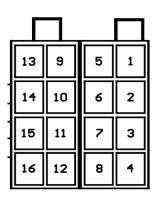


Freelander, Discovery, Range Rover Sport CAN-Bus	
Interface Wire	Pin Number
CAN High	2
CAN Low	1
Analogue 1	13
Analogue Ground	10
Batt 12V	20
Ground	10

Harnesses Available: HARCP2.2-LR1 HARCP2.2-LR2

LIFAN

<u>Lifan OEM Connector</u>



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

MAHINDRA

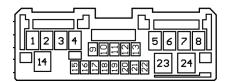
Scorpio Connector



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

MAZDA

OEM Specific Connector



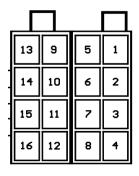
6 2007-2009	
Interface Wire	Pin Number
CAN High	20
CAN Low	21
Analogue 1	12
Analogue Ground	13
Batt 12V	14
Ground	24

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

Harnesses Available: HARCP2-MZ23

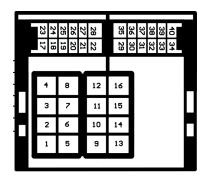
MERCEDES BENZ

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

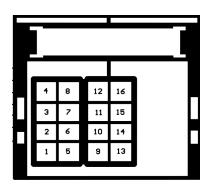
E Class/SLK Quadlock



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

MERCEDES BENZ cont'd.

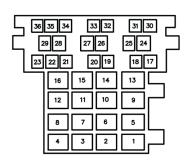
Quadlock CAN-Bus Vehicles



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

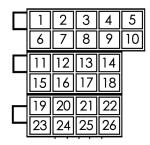
Vito (W447 with Audio 15)	
Interface Wire	Pin Number
CAN High	11
CAN Low	9
Batt 12V	15
Ground	12

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

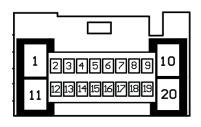


10 Way ISO CAN-Bus	
Interface Wire	Pin Number
CAN High	1
CAN Low	6
Batt 12V	24
Ground	26

Harnesses Available:
HARCP2.2-MC1
HARCP2.2-MC2
HARCP2.2-MC3
HARCP2.2-MC4
HARCP2.2-MC5
HARCP2.2-MC6

MITSUBISHI

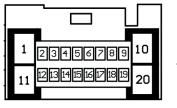
Outlander 2013>



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

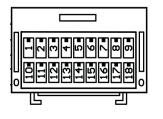
MITSUBISHI cont'd.

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





B

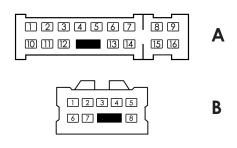


ASX, Lancer, Outlander 2010>, Pajero, Shogun 2013>			
Interface Wire Pin Number			
Analogue 1	A9		
Analogue Ground	To vehicle chassis		
Batt 12V	A1		
Ground	To vehicle Chassis		

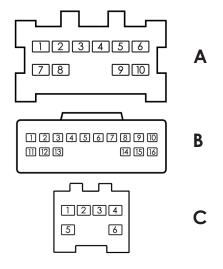
Lancer, Outlander 2007-2010			
Interface Wire	Pin Number		
Analogue 1	A9		
Analogue Ground	To vehicle chassis		
Batt 12V	A1		
Ground	To vehicle Chassis		

NISSAN

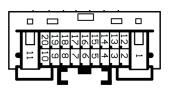
8 & 16 Way Connector



6 & 10 Way Con	<u>nector</u>
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OEM Specific Connector



Almera/Primera/Terrano X-Trail				
Interface Wire Pin Number				
Analogue 1	В4			
Analogue 2	B5			
Analogue Ground	В3			
Batt 12V	A8			
Ground	А9			

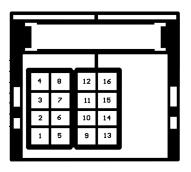
350Z 03>, Navara 06>, X-Trail 01>		
Interface Wire Pin Numbe		
Analogue 1	B13	
Analogue 2	В3	
Analogue Ground	B5	
Batt 12V	A4	
Ground	To vehicle chassis	

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

Harnesses Available: HARCP2-NI23

PEUGEOT

Quadlock CAN-Bus Vehicles

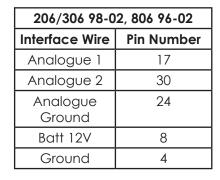


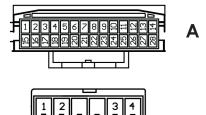
Mini-ISO Analogue Vehicles

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

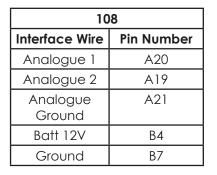
[2] [23]	35 34 9 28 22 21	27 22	26	31 30 25 24 18 17	7
	16	15	14	13	_
	12	11	10	9	_
	8	7	6	5	_
	4	3	2		

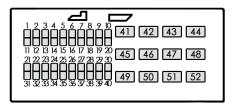
108 OEM Connector





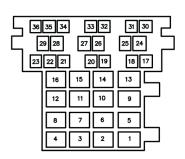
Boxer OEM Connector





В

Mini-ISO CAN Vehicles



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

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		

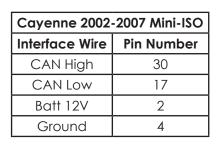
Harnesses Available: HARCP2-PSA52

PORSCHE

Mini-ISO Cayenne Specific



Quadlock Cayenne Specific



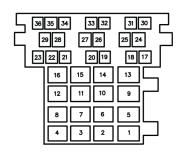
T,					
_	4	8	12	16	
Ш	3	7	11	15	
-11	2	6	10	14	
	1	5	9	13	
Ľ					

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

Harnesses Available: HARCP2.2-PO2 HARCP2.2-PO3

PROTON

Mini ISO Connecter

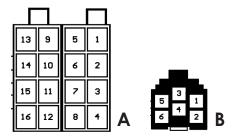


GEN-2	
Interface Wire	Pin Number
Analogue 1	20
Analogue 2	33
Analogue Ground	27
Batt 12V	2
Ground	4

Harnesses Available: HARCP2.2-FA1

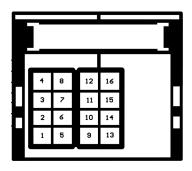
RENAULT

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

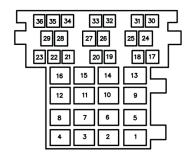
CAN-Bus Quadlock Connector



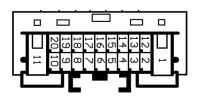
Renault CAN-Bus 2009> with Quadlock Connector	
Interface Wire	Pin Number
CAN High	13
CAN Low	9
Batt 12V	15
Ground	12

RENAULT cont'd.

CAN-Bus Mini-ISO Connector



Scala OEM Connector



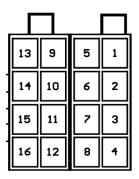
Renault CAN-E	Renault CAN-Bus 2009> with	
Mini-ISO Connector		
Interface Wire	Pin Number	
CAN High	17	
CAN Low	30	
Batt 12V	2	
Ground	4	

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

Harnesses Available: HARCP2.2-RN1

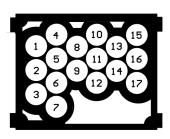
ROVER

Highline OEM Connector

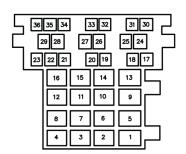


Rover 75 with Highline	
Interface Wire	Pin Number
Analogue 1	1
Analogue Ground	To vehicle chassis
Batt 12V	2
Ground	4

BMW 17 Way Round Pin Connector



Mini-ISO Connector

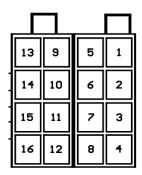


25/45/75/ZR/ZS/ZT/ZT-T BMW Connector	
Interface Wire	Pin Number
Analogue 1	16
Analogue Ground	N/R
Batt 12V	11
Ground	10

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



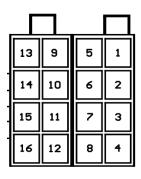
Saab 9.3/9.5 98-02	
Interface Wire	Pin Number
Analogue 2	See diagram*
Batt 12V	8
Ground	4

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



SCANIA

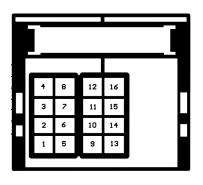
8 Way ISO Connector



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

SKODA

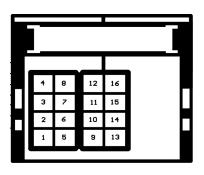
CAN-Bus Quadlock Connector



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

SEAT

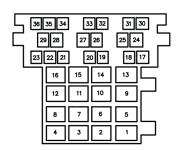
CAN-Bus Quadlock Connector



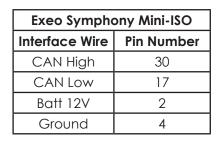
Seat CAN-Bus Quadlock	
Interface Wire	Pin Number
CAN High	9
CAN Low	10
Batt 12V	15
Ground	12

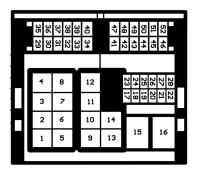
SEAT cont'd.

Mini-ISO Connector



52 Way Quadlock Connector



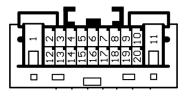


Seat Alhambra (MIB-PQ)		
Interface Wire	Pin Number	
CAN High	22	
CAN Low	28	
Batt 12V	16	
Ground	15	

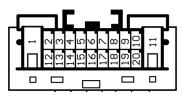
Harnesses Available: HARCP2-VAG52

SUBARU

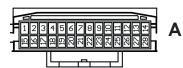
OEM Specific Connector

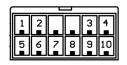


OEM Connector - vehicles without OEM Navigation



3 Way OEM Connector





В



C

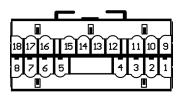
Forester/Impreza 2007-2012		
Interface Wire	Pin Number	
Analogue 1	17	
Analogue Ground	7	
Batt 12V	1	
Ground	11	

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

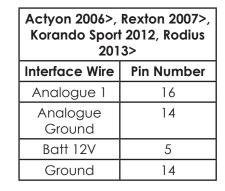
Impreza, Forester, XV 2015>		
Interface Wire	Pin Number	
Analogue 1	A21	
Analogue 2	A22	
Analogue Ground	В4	
Batt 12V	B4	
Ground	В7	

SSANGYONG

OEM Specific Connector



OEM Specific Connector



Tivoli EX / ELX

Pin Number

B17

В4

B12

B24

Interface Wire

Analogue 1

Analogue

Ground

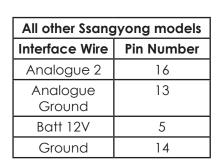
Batt 12V

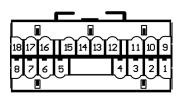
Ground

987654321	A

	. [
12 11 24 23	10 9 1	8 7 6	5 4	3 2	B
	22 21 2	19 18	17 16	15 14	B

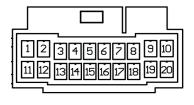
OEM Specific Connector





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	

Harnesses Available: HARCP2.2-VX1 HARCP2-HD23

Tivoli SE

Pin Number

Α9

A18

B12

B24

Interface Wire

Analogue 1

Analogue

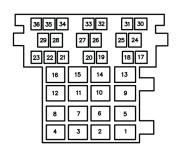
Ground

Batt 12V

Ground

TATA

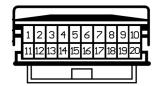
Mini-ISO Connector



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

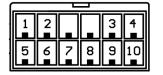
TOYOTA

20 Way OEM Specific Connector



A

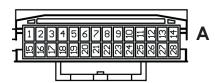
B

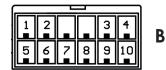


Toyota <2011		
Interface Wire	Pin Number	
Analogue 1	A8	
Analogue 2	A7	
Analogue Ground	A6	
Batt 12V	В4	
Ground	В7	

Toyota 2011>		
Interface Wire	Pin Number	
Analogue 1	A21	
Analogue 2	A22	
Analogue Ground	В4	
Batt 12V	В4	
Ground	В7	

28 Way OEM Specific Connector



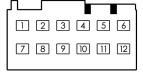


Aygo 2014>		
Interface Wire	Pin Number	
Analogue 1	A20	
Analogue 2	A19	
Analogue Ground	A21	
Batt 12V	В4	
Ground	В7	

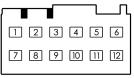
Harnesses Available: HARCP2.2-TY1 HARCP2.2-TY2 HARCP2-TOY23

VOLVO

OEM Specific Connector



A - Green



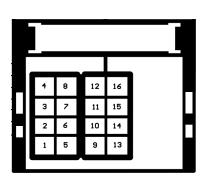
B - Grey

\$60, V70		
Interface Wire	Pin Number	
CAN High	A12	
CAN Low	A11	
Batt 12V	A6	
Ground	A7	

Harnesses Available: HARCP2.2-VL1 HARCP2-VO53

VOLKSWAGEN

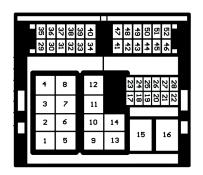
CAN-Bus Quadlock Connector



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

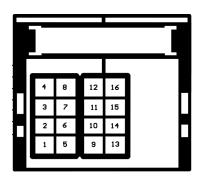
VOLKSWAGEN cont'd.

52 Way CAN-Bus Quadlock Connector



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

CAN-Bus Quadlock Connector

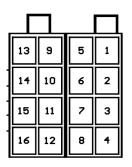


Crafter 2006>			
Interface Wire	Pin Number		
CAN High	11		
CAN Low	9		
Batt 12V	15		
Ground	12		

Harnesses Available: HARCP2-VAG52 HARCP2.2-MC1

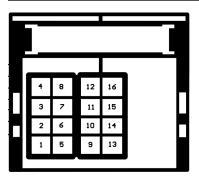
VAUXHALL/OPEL

8 Way ISO Connector



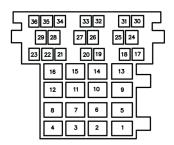
Vauxhall/Opel Analogue			
Interface Wire	Pin Number		
Analogue 1	1		
Analogue Ground	4		
Batt 12V	8		
Ground	4		

CAN-Bus Quadlock Connector



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

Mini-ISO Connector



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

Harnesses Available: HARCP2.2-VX1 HARCP2-VX52

NOTES			

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