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- [Mercedes Integro - Euro 3](#)
- [Mercedes Integro - Euro 4-5](#)
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- [Mercedes Intouro - Euro 4 - 5](#)
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- [Mercedes OC-500 Euro 3+](#)
- [Mercedes OC-530 Euro 3+](#)
- [Mercedes OM-457 - 2016](#)
- [Mercedes Setra - Euro 3](#)
- [Mercedes Setra - Euro 4-5](#)
- [Mercedes Turismo \(1st gen\) EU3/EU4](#)
- [Mercedes Turismo \(2nd gen\) EU4/EU5](#)
- [Mercedes Turismo \(3rd gen\) EU6](#)
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- [Setra S431DT Euro 6 2013+](#)
- [Setra S515HD - S519HD 2002+](#)
- [Solaris Urbino 18 2006+](#)
- [Temsa MD9 2011+](#)
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- [VanHool A360 2006+](#)
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- [VanHool TDX27 Astromega 2011-2012](#)

- [VanHool TDX27 Astromega 2013+](#)
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- [VDL Citea EEV euro 6 2015+](#)
- [VDL e-Citea \(1st gen\) 2020+](#)
- [VDL Berkhof Ambassador Euro 5 2002-2013](#)
- [VDL Berkhof B9R \(1st gen.\) 2009+](#)
- [VDL Futura FHD2 2010+](#)
- [VDL Jonckheere B13R 2009+](#)
- [Volvo 7700/8700/9500/9700 Series Euro 4](#)
- [Volvo 8500 B7RLE 2006-2011](#)
- [Volvo 8700 B12BLE 2006-2011](#)
- [Volvo 9900 \(4th gen\) Euro 6](#)

About

These instructions are to be used by technically skilled persons.

These installation instructions are applicable to Squarell products only. It instructs the installer how to connect Squarell equipment to the vehicle data network and power supply.

Squarell makes no representations or warranties, expressed or implied, with respect to the accuracy, completeness or reliability of this document.

Important

Read these instructions carefully and in full, before you proceed installing. Installation of Squarell equipment may only be performed by Squarell trained specialists, or under supervision of Squarell.

Professional installation equipment and tools are to be used. Ignition key should be switched off before installing Squarell equipment. Country specific rules for installation are to be taken in consideration. Vehicle manufacturer specific rules for installation are to be taken in consideration. All Squarell equipment are complying to E-standards.

Before starting any work: Check if the digital tachograph has NO driver cards inserted. (Let the driver remove the cards)

If you have to un-power the tachograph, please inform the vehicle owner, as the tachograph must be checked by a tacho service station afterwards.

Power connections, ground and fusing

Squarell products are meant to be used in automotive and harsh environments with normal supply voltages of 12 and 24 volts.

The power supply can range between 8 and 48 volts, the units are resistant to supply disturbances as described in the E-certification documents.

If Squarell products are used in a one-system design, please use 1 fuse for supply power protection and 1 common ground connection for the total system.

Electrical Connections to existing wiring

If electric connections are made to existing wiring looms, please use proper crimping tools. If welding joints are made, observe that welding joints are properly isolated.

CANcliQ and DatacliQ connections

CANcliQ and DatacliQ connections are **non-electrical** joints to the vehicle network, please observe that the CANcliQ is clamped around undamaged cable wire isolation.

Mounting Squarell devices to the vehicle structure

Use tie wraps or fixing tape to fix the Squarell unit to the structure of the vehicle. Take care that vibration and noise is avoided when operational.

Mounting cables

Please use cable ties to mount Squarell cables to existing wiring looms. Cables must not be mounted under tension. Avoid cable nick when bundling cables together.

Post-installation

General -To test the installation- The Squarell LED is green when ignition is on.

If the LED is red, check if the connected equipment (like telematics) is on.

Follow the testing routines of the connected equipment.

After correct installation, take pictures of the electrical connections to the vehicle and the connected equipment. This pictures can be used as reference of performed work and proper installation.

Technical support

Support: support@squarell.com

Fax: +31 (0) 252 41 36 29

Telephone: +31 (0) 252 42 02 39 (working days 9:00 – 17:00 GMT+1)

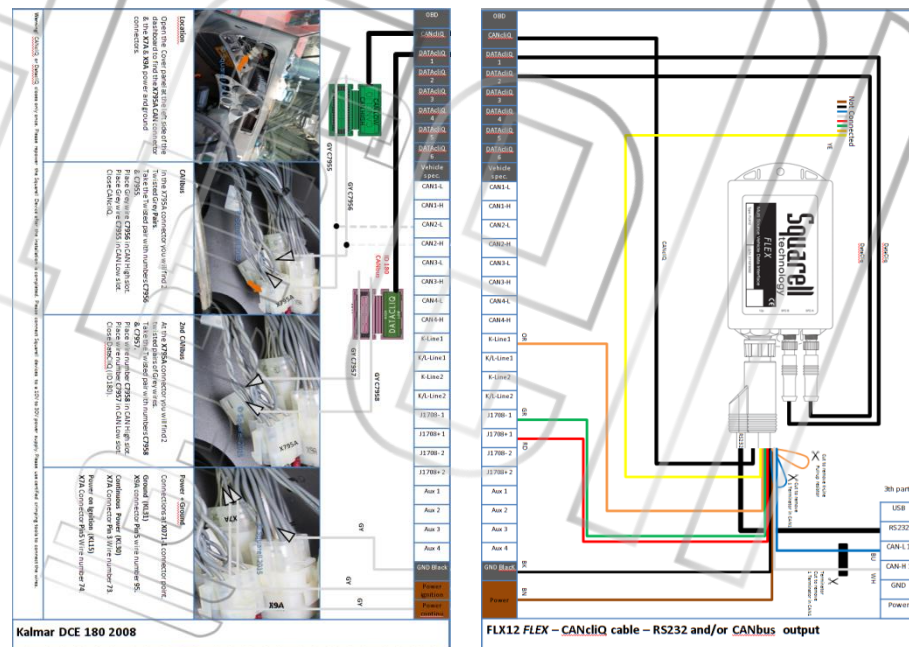
Copyright:

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How to Use

Select vehicle page (left hand side). **The colors on the vehicle page are vehicle colors.**

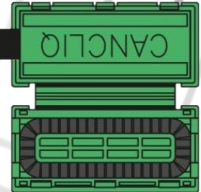
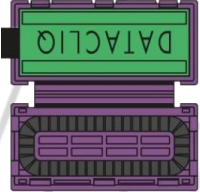
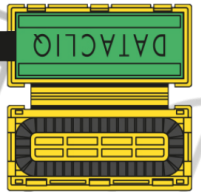
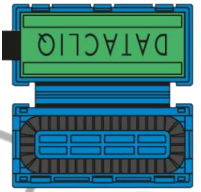
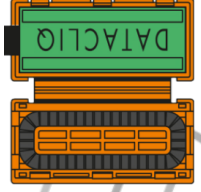
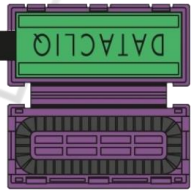
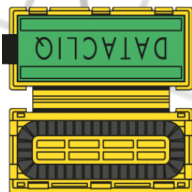
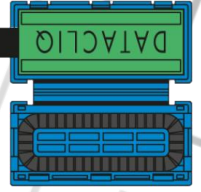
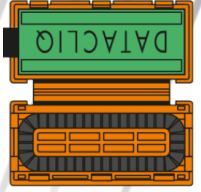
Select device and connection (right hand side). The colors on the device page are Squarell colors.



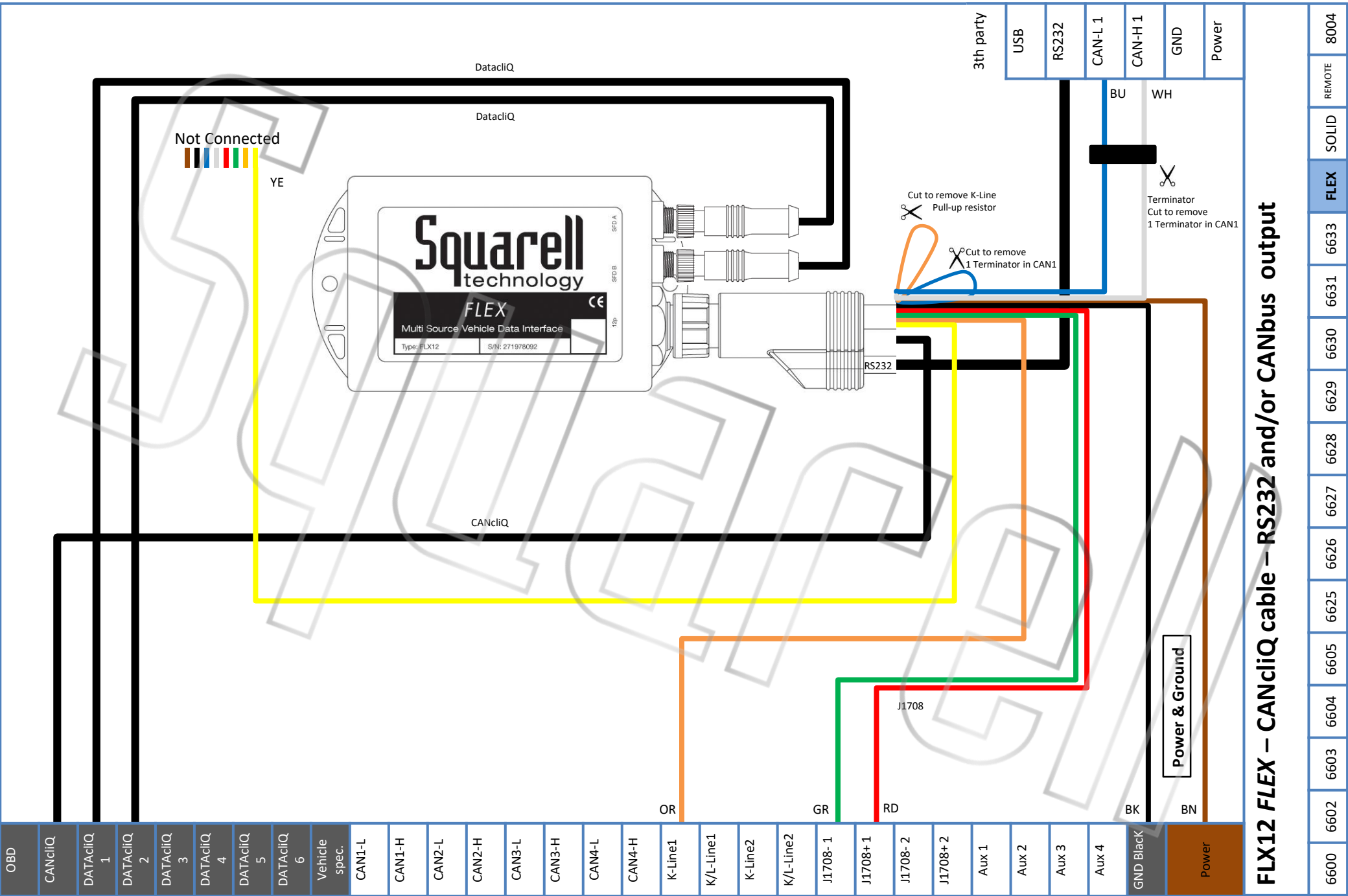
Change of connections when making use of only DatacliQ (Navman)

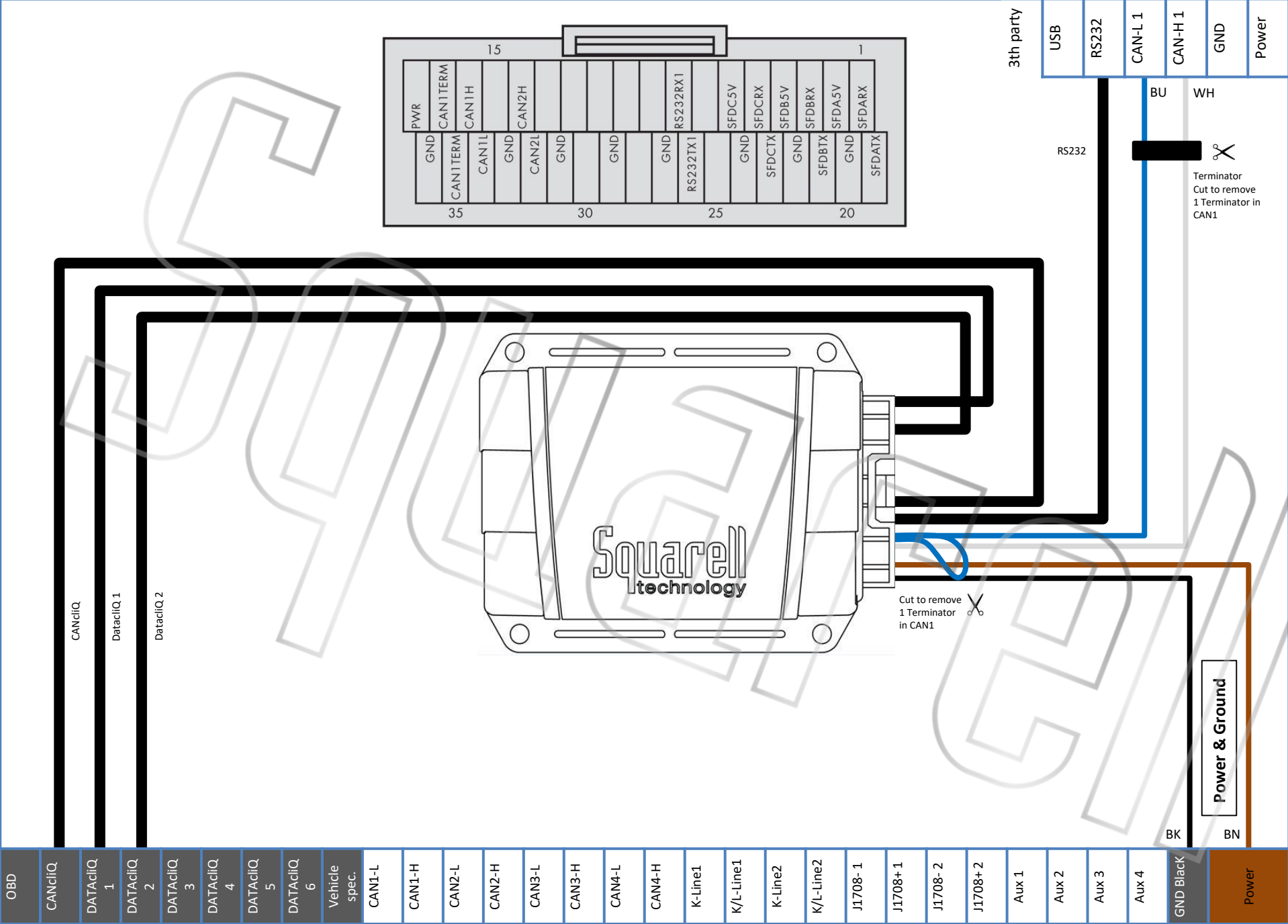
About

This additional page is for the use with Navman devices or any other Squarell device with only DatacliQ input connections of Squarell Technology.

	Can1	Can2	Can3	J1708	ISO
Standard		 ID 180	 ID 181	 ID 280	 ID 190
Only DatacliQ	 ID 180	 ID 181	N.A.	 ID 280	 ID 190

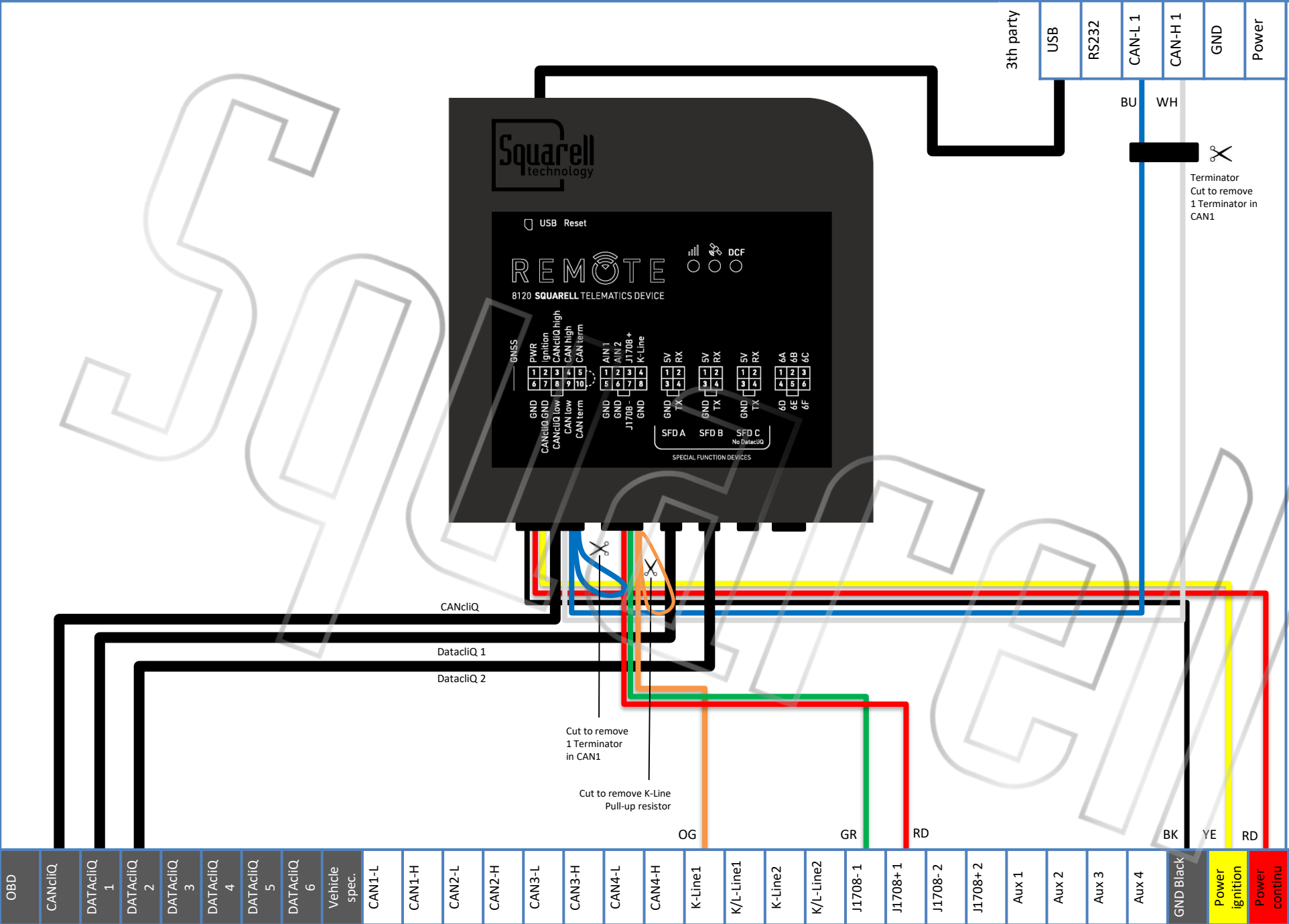
Version212	Description
190114	Added Mercedes Tourismo (3rd gen)
190415	Updated wiring information for MAN Lion City (3 rd gen) 2004-2018, MAN Lion's Intercity 2016+
190613	Updated Irisbus Citelis 2005 – 2013 2 nd CAN-bus installation
190807	Heuliez GX337 EV added
190807	Updated Volvo 7700 & 8700 & 9500 & 9700 Series Euro 4 title, Added: Scania Citywide 2018+
190812	Added: Scania Omnilink (1 st gen) 2006-2011, Volvo 8500 B7RLE 2006-2011, Volvo 8700 B12BLE 2006-2011, Mercedes Benz Citaro (2 nd gen) 2011+, Solaris Urbino 18 2006+
190823	Revised Mercedes Citaro - Euro 4,5,EEV 2007-2011
190902	Minor changes
190930	Added: Busscar Panorâmico DD (OM457 Eng.) CAIO Induscar Mondego L (Volvo B7RLE) 2005+ Mercedes O-500 RS 2001+
200124	Added: Volvo 9900 (4 th gen) Euro 6
200506	Added: VDL Citea EEV euro 6 2015+
200723	Added: Temsa MD9 2011+, Temsa Tourmalin 2005+
201229	Changes the colours of the DataCliQ's
210118	Added: Setra S416 LE 2017+
211210	Added: VDL e-Citea and Mercedes e-Citaro
220222	Added: BYD B13 2021+ and MAN Lion's city e 2021+
220308	Added REMOTE connection overview





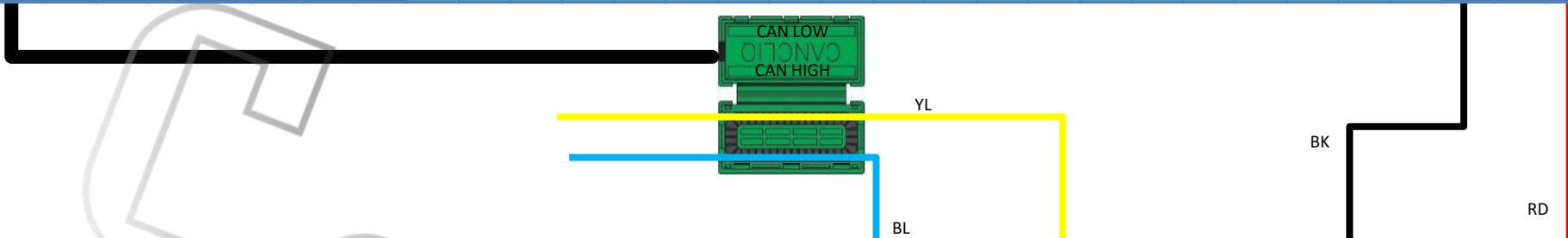
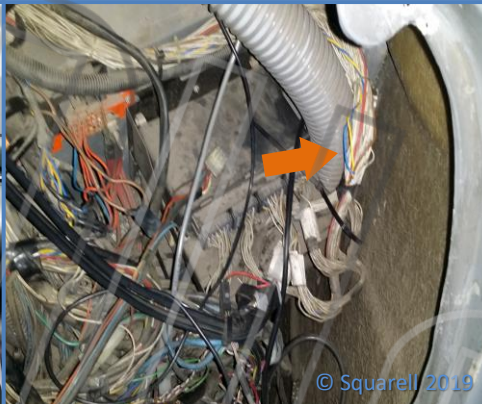
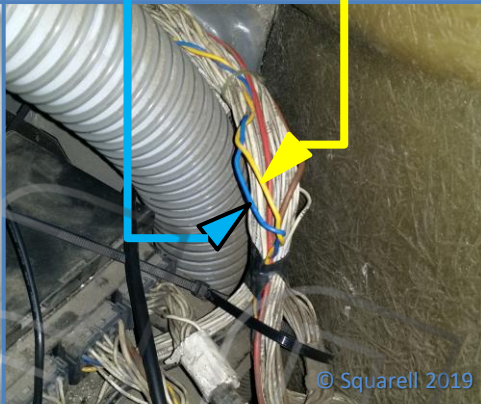
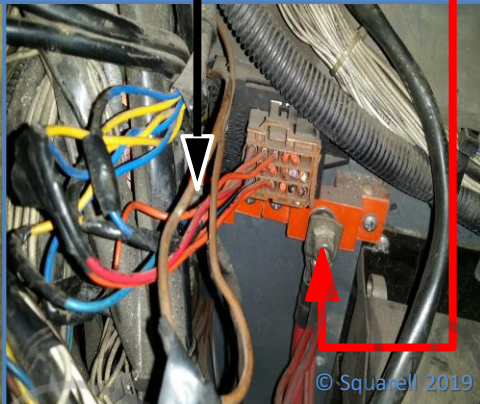
SLD36 SOLID – CANcliQ cable – RS232 and/or CANbus output

6600	6602	6603	6604	6605	6625	6626	6627	6628	6629	6630	6631	6633	FLEX	SOLID	REMOTE	8004
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8120 REMOTE – connection overview

6600	6602	6603	6604	6605	6625	6626	6627	6628	6629	6630	6631	6633	FLEX	SOLID	REMOTE	8004
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OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu																					
																																																				
 © Squarell 2019		 © Squarell 2019		 © Squarell 2019		 © Squarell 2019																																														
Location Find the CAN-bus wires at the driver side behind the control panel (Orange arrow).		Remove the control panel to gain access to the wiring. Look for a Yellow & Blue wire pair on the right.		CANbus Connection Untwist Yellow & Blue wires. Place the Yellow wire in the CAN High Slot. Place the Blue wire in the CAN Low slot. Close the CANcliQ housing.		Power + Ground Connections behind control panel Ground (KL31) : Black wire (Black arrow) Continuous Power (KL30) : Red wire (Red arrow)																																														
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																																				

Busscar Panorâmico DD (OM457 Eng.)

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
Location Driver side, behind the driver seat Remove the fusebox cap screwed by 3 rectangle screws. Pull the fuse box panel Find the VECU under the fuse box CANbus Untwist Green and Yellow wires, Place Yellow wire in CAN High slot Place Green wire in CAN Low slot Close CANcliQ. J1708 bus Untwist Grey and Orange wires, Place Orange wire in High slot Place Grey wire in low slot Close DatacliQ. Power + Ground Connections at backside of fuse box. Ground (KL31) : Terminal with White wire (White arrow) Continuous Power (KL30) : Terminal with Red wire (Red arrow). Power on Ignition (KL15) : Free terminals on Yellow connector with Red/Green wires (Red/Green arrow).																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires. This vehicle type is not supporting the Total Fuel Used, Engine Coolant Temperature and the Fuel Level on the Direct CANbus. Squarell unit will start counting the Total Fuel Used since the installation. The Engine Coolant Temperature and the Fuel Level can only be supported with a 6628-31 J1708 Diode or FLX12 Flex .																																

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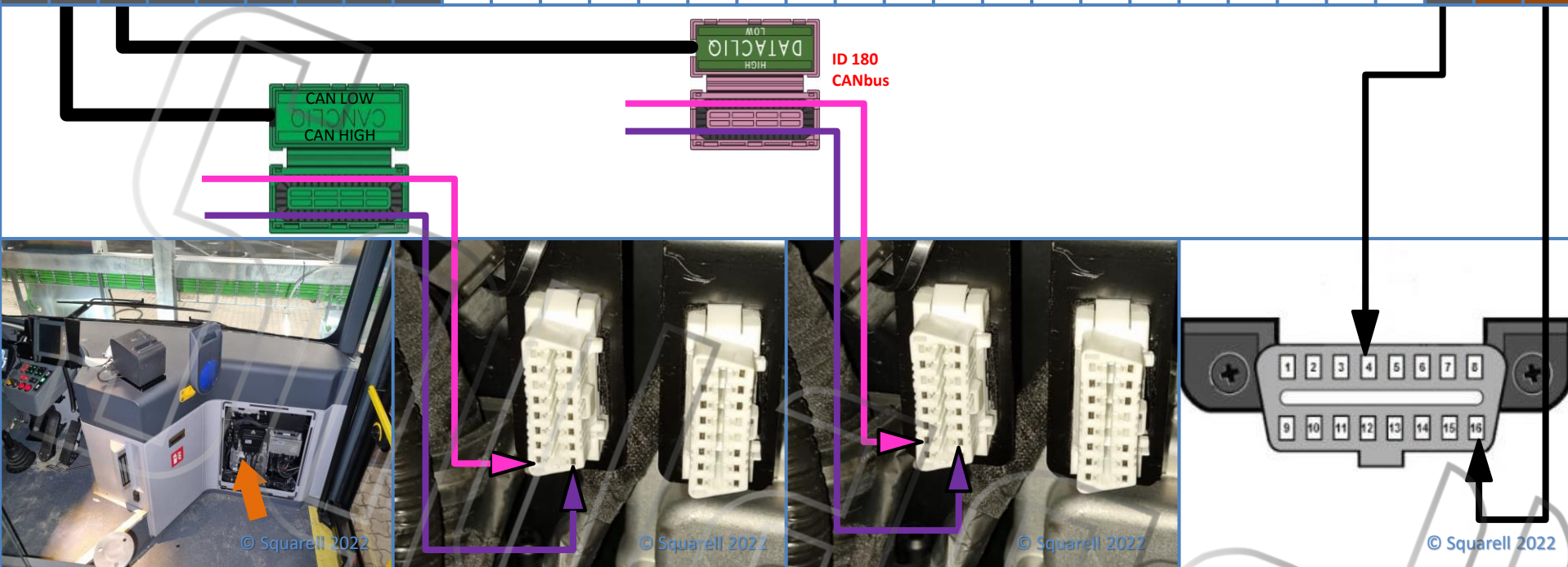
X

Y

Z

Busscar Urbanuss (Volvo B9S) Euro 3+ – Direct Vehicle CANbus

OBD	CANClIQ	DATAclIQ 1	DATAclIQ 2	DATAclIQ 3	DATAclIQ 4	DATAclIQ 5	DATAclIQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu
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Location Find the OBD connectors at the right side of the dashboard behind the cover.	CANcliQ Location Remove the OBD connector from the clips to get access. Untwist the pin 1 and pin 9 wires. Place the Pink wire from pin 1 in the CAN High Slot. Place the Purple wire from pin 9 in the CAN Low slot. Close CANcliQ.	DATAcliQ location (ID.180) Untwist the pin 2 and pin 10 wires. Place the Pink wire from pin 2 in the CAN High Slot. Place the Purple wire from pin 10 in the CAN Low slot. Close DatacliQ.	Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 wire and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector
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Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

CAIO Induscar Mondego L (Volvo B7RLE) 2006-2011

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708-1	J1708+1	J1708-2	J1708+2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z
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																																B
																																A

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Location

Find the ZGS module. Located at the central electronic cabinet.

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Open the cover to gain access to the electronic cabinet. The ZGS is located at the right side.

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CANbus

Untwist the White and Brown wires.

Place the White wire in the CAN High Slot.

Place the Brown wire in the CAN Low slot.

Close CANcliQ.

© Squarell 2017

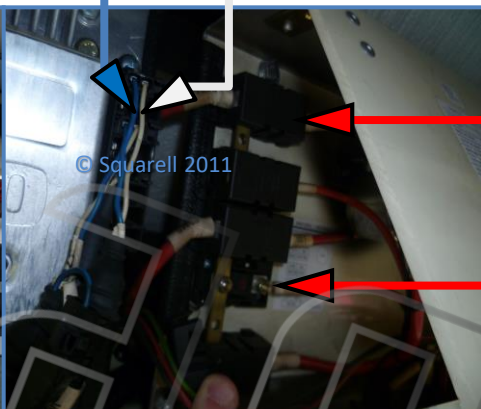
Power + Ground
Connections in 9pins Deutsch connector

Ground (KL31) :
Pin A

Continuous Power (KL30) :
Pin B

Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

Cobus 3000 2009+

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu																																								
																																																																							
																																																																							
Location Driver side, on the top, behind the second above cap (orange arrow) Open the above box cap by 2 rectangle clips.																																																																							
																																	CANbus Find DAF CAN distribution block with White and Blue twisted wires (orange arrow)																																						
Power + Ground Connections are on the same area Ground (KL31) : Free terminals with Black wire. (Black arrow) Continuous Power (KL30) : Free terminals with Red wires (Red arrow). Power on Ignition (KL15) : Free terminals with Red wires (Red arrow).																																																																							
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																																																																							
																																				DAF Commander Euro 3+																																			



Z	Y
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A	B	C	D	E	F	G	H	I	J	K
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Z	Y
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A	B	C	D	E	F	G	H	I	J	K	L
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Pin 16 Black wire OBD connector

Version 160707 ENG
Copyright © Squarell 2016

Z	Y
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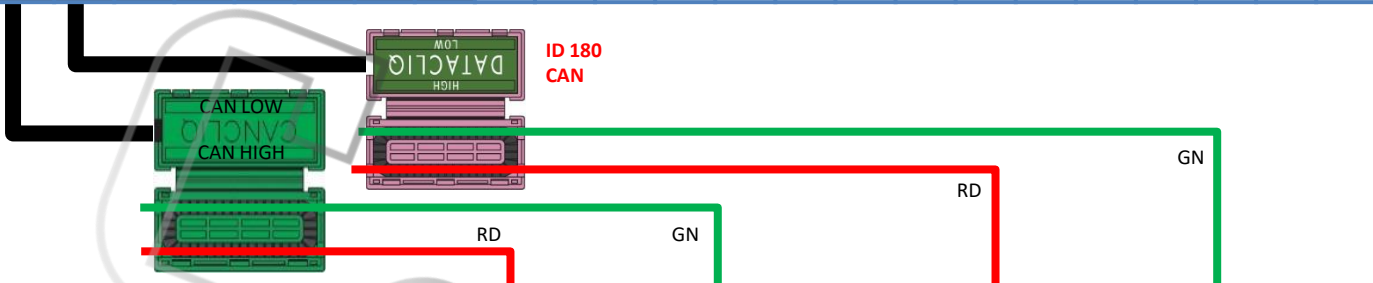
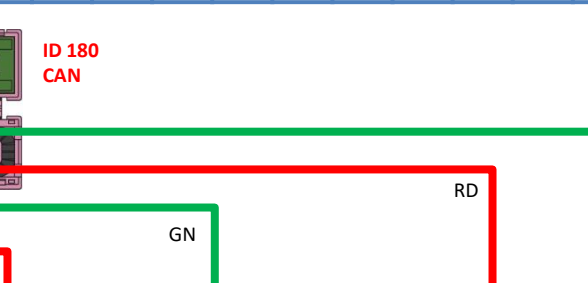
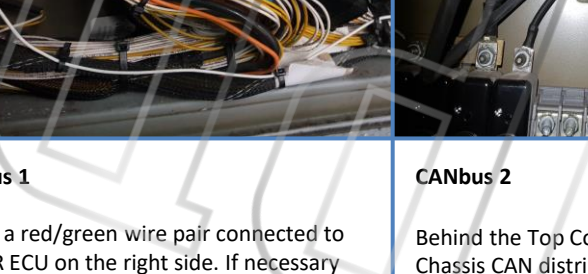
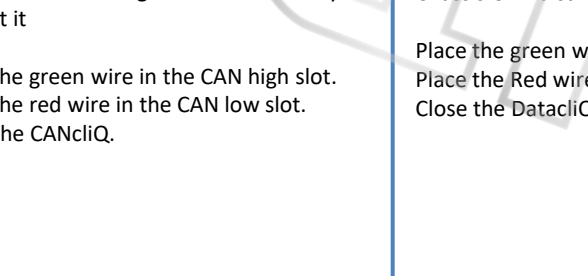
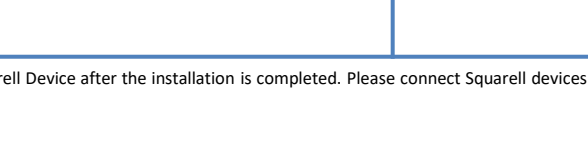


Irisbus Citelis 2005 - 2013

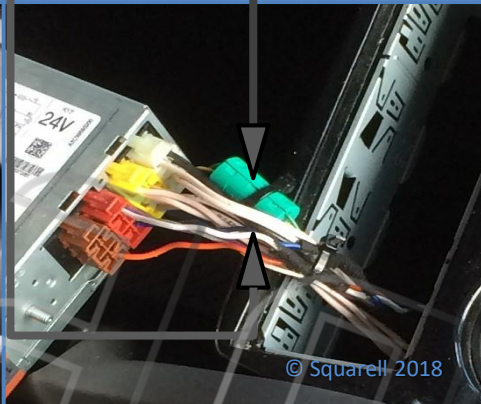
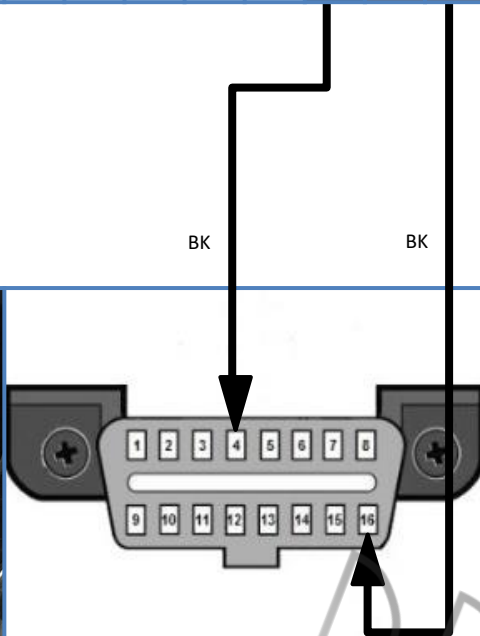
Continuous Power (KL30) :
Pin 16 OBD connector

Iri

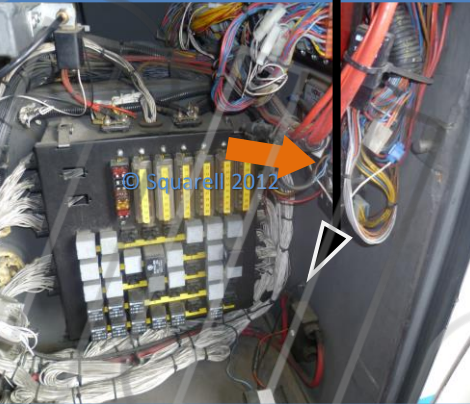
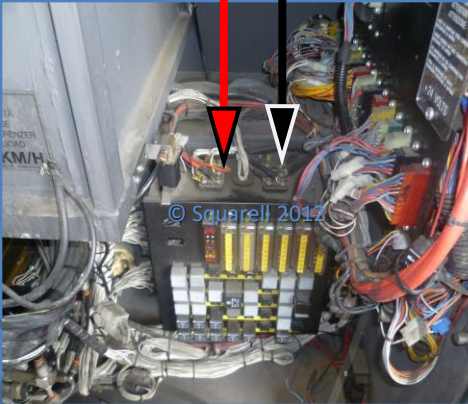


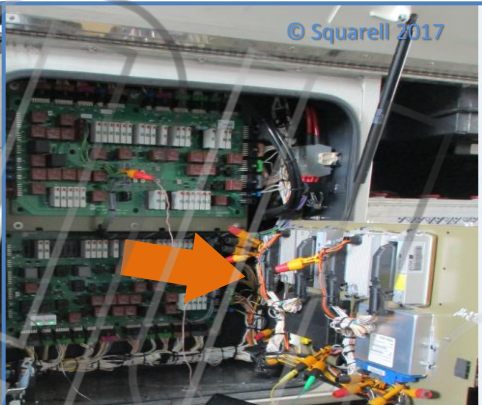
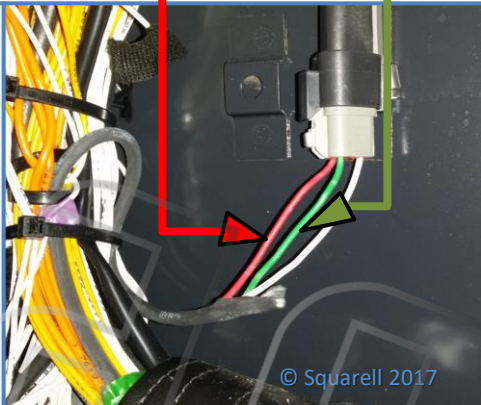
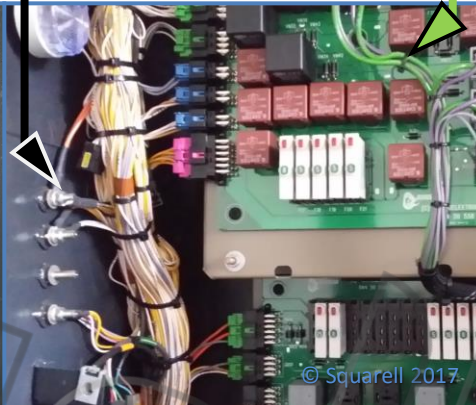
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu																					
																																																				
Location The KNORR ECU is located under the panel indicated by the orange arrow Under the Top cover panel, behind the main fuse board and driver seat, indicated by the green arrow, there is a chassis CANbus distribution connector with Red, Green and White wires.																																	CANbus 1 Locate a red/green wire pair connected to KNORR ECU on the right side. If necessary untwist it Place the green wire in the CAN high slot. Place the red wire in the CAN low slot. Close the CANcliQ.				CANbus 2 Behind the Top Cover, you will find the Chassis CAN distribution block. Place the green wire in the CAN high slot. Place the Red wire in the CAN low slot. Close the DatacliQ.				Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 and pin 5 Continuous Power (KL30) : Pin 16 OBD connector											
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																																				

Irisbus Crealis 2008 - 2013

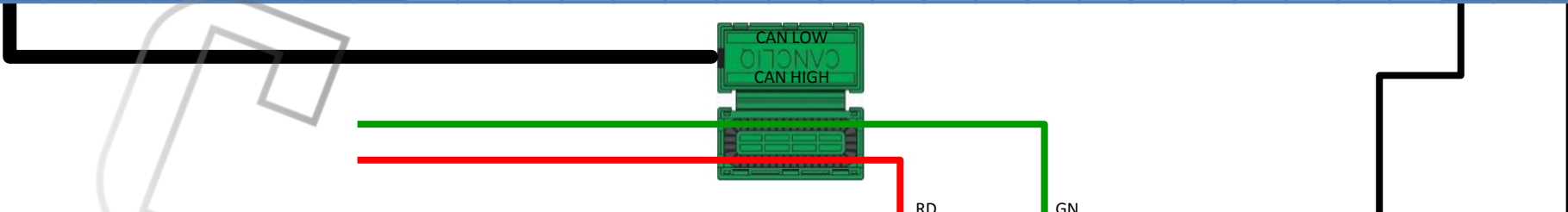
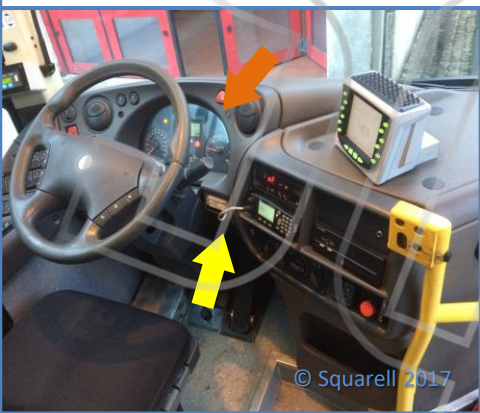
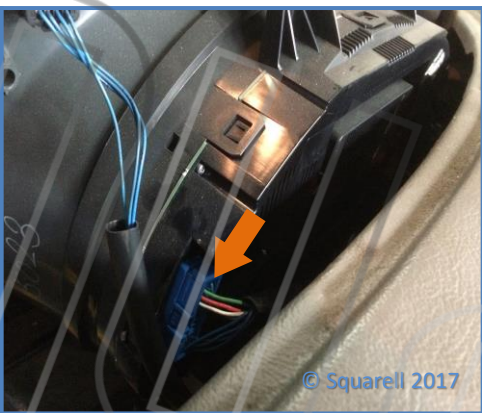
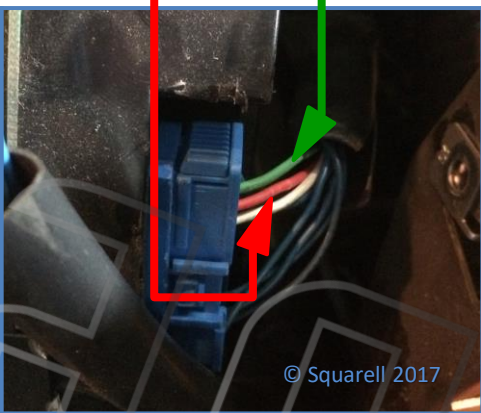
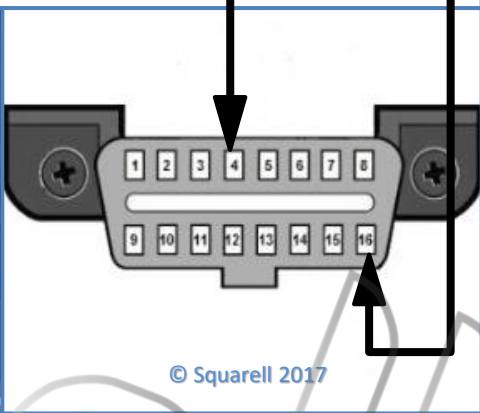
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
																																
																																
																																
																																
																																
Location Find the Tachograph and remove it from the bracket.																																
Look at the back of the Tachograph and find the twisted wires coming out of “connector A”																																
CANbus Untwist the wires from “connector A” pin 4 and pin 8 Place the wire from pin 4 in the CAN high slot. Place the wire from pin 8 in the CAN low slot. Close the CANcliQ.																																
Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 wire and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

Irizar i6 EURO6 2010+

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z	
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																																Iveco EuroRider Euro 3+	
 Location Outside of the vehicle at front right, below the cockpit Open the engine compartment.																																	
 CANbus Find the OBD Connector with Black cable with Blue and Brown wires (orange arrow)																																	
 CANbus Place Blue wire in CAN High slot Place Brown wire in CAN Low slot Close CANcliQ.																																	
 Power + Ground Connections same area as CANbus. Ground (KL31) : Terminal with Black wire. (Black arrow) Continuous Power (KL30) : Terminal with Red wire (Red arrow). Power on Ignition (KL15) : Terminal with Black wire (Black arrow).																																	
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																																	

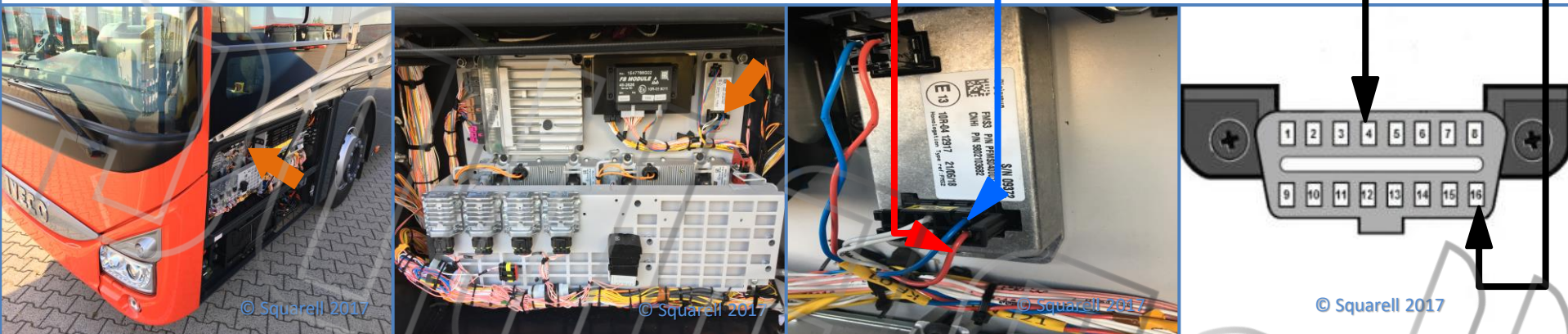
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu						
																																					
																																					
Location At the driver side, open the cover in front the front wheel, to get to the ECU compartment.									CANbus Open the ECU panel and find the CANbus connector at the right side near the hinge of the ECU panel, mounted to the bodywork.									Connections Place Green wire in CAN High slot Place Red wire in CAN Low slot Close CANcliQ.									Power + Ground Connections same area as CANbus. Ground (KL31) : Connect at the left side of the compartment to one of the ground bolt. (Black arrow) Continuous Power (KL30) : Connect to the thick green wire at the middle of the relay panel.										
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																																					

Iveco Irisbus Arway 2005-2013

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu
																															
 © Squarell 2017								 © Squarell 2017								 © Squarell 2017								 © Squarell 2017							
Location The CANbus wires are located at the backside of the instrument cluster. (Orange Arrow) The OBD connector is located underneath the dashboard, above the accelerator pedal. (Yellow Arrow)								 Remove the Instrument cluster to gain access. The Blue connector contains the CANbus wires.								CANbus Untwist the Green and Red wires. Place the Green wire from in the CAN High Slot. Place the Red wire from in the CAN Low slot. Close CANcliQ.								Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 wire and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector							
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																															

Iveco Irisbus Crossway LE 2005 - 2013

Z	Y
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The CANbus Can be found at the Central Electrical cabinet. On the Right side of the Bus.

Open the side hatch to gain access to the electrical cabinet. Find the FMS3 Module. Find the CN121 Wiring loom which contains a pair of Blue & Red wires.

Un-twist the Blue and Red wires from CN121 from the FMS3 Module.

Place the Blue wire in the CAN High Slot.
Place the Red wire in the CAN Low slot.
Close CANcliQ.

Connections in OBD connector. Located at the hatch on the center console.

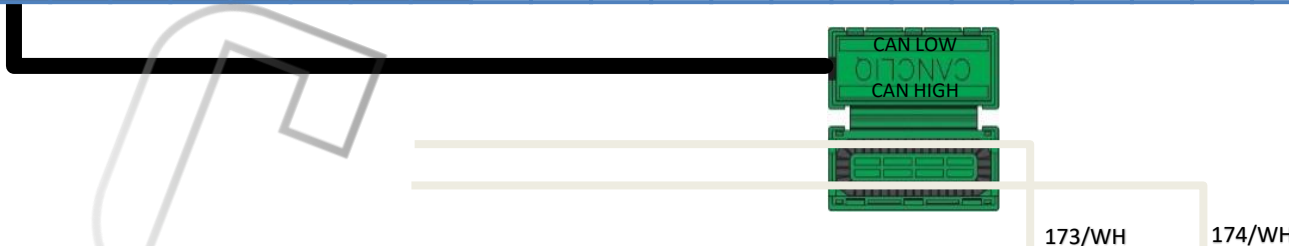
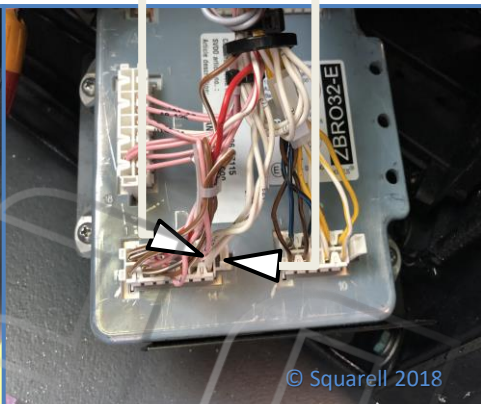
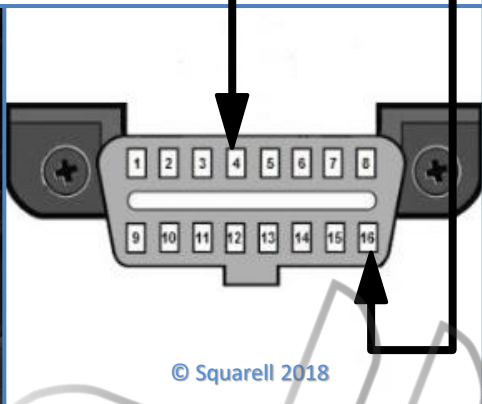
Ground (KL31) :
OBD connector pin 4 Black wire and pin 5

Continuous Power (KL30) :
Pin 16 White wire OBD connector

Warning! CANclIQ or DataclIQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

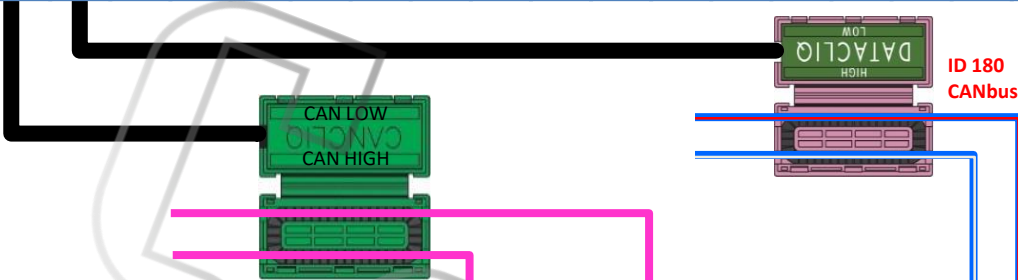
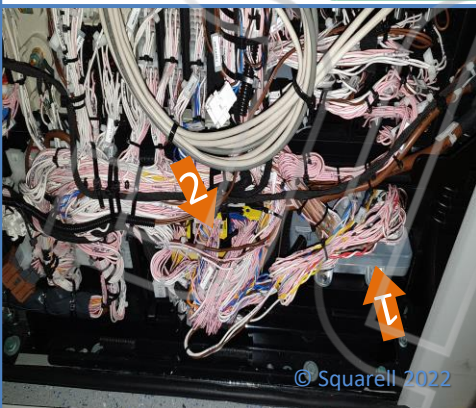
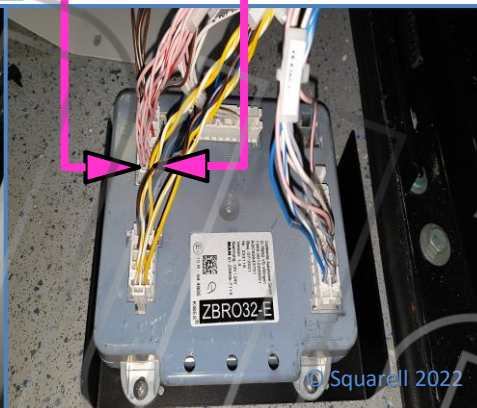
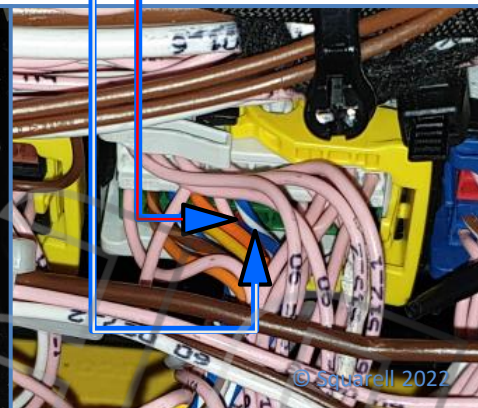
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
Location At the right side, open the cover behind the front wheel, to get to the instrument cluster.			At the instrument cluster the CANbus is available at the black controller (Orange arrow).			CANbus Untwist the Yellow & Green twisted wires from the Black controller. Place the Yellow wire in the CAN High Slot. Place the Green wire in the CAN Low slot. Close CANcliQ.			Power + ground Connections at cable and fusebox Ground (KL31) Black wire close to upper controller (Black arrow). Continuous Power (KL30) Red wire close to upper controller (Red arrow). Power on Ignition (KL15) One of the fuses in the first row (Yellow arrow).																							
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

King Long XMQ6130Y 2012-2015

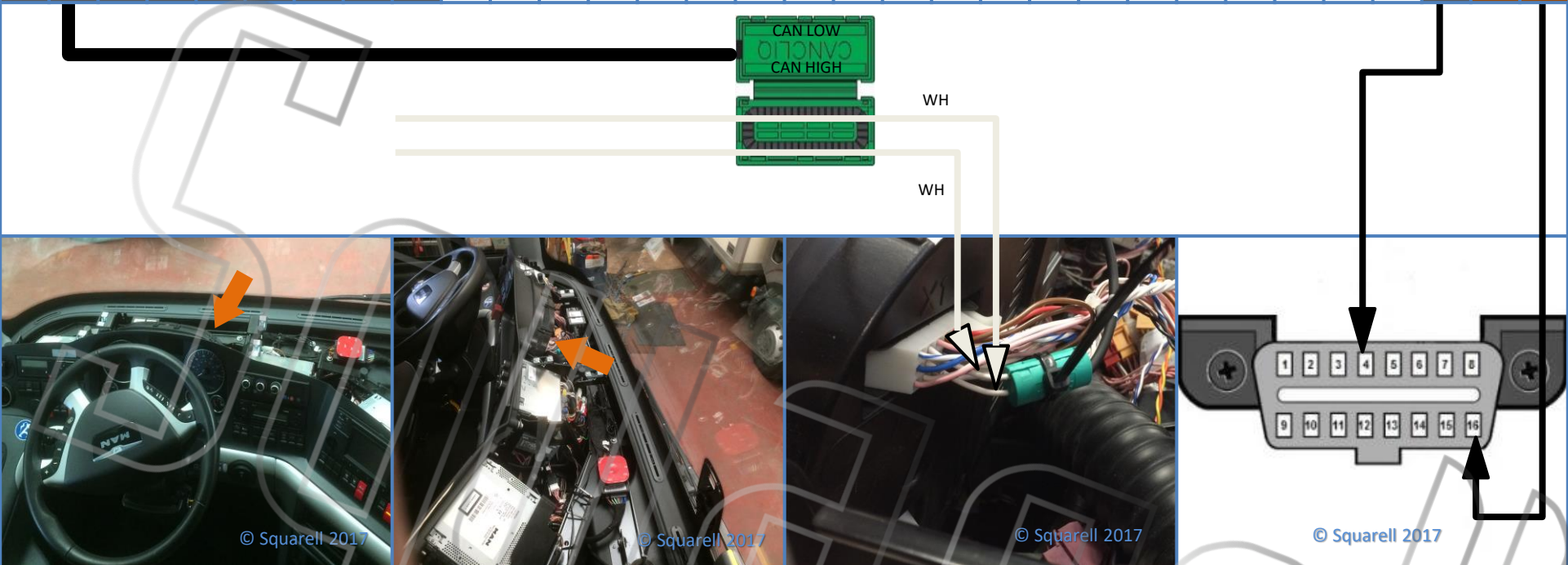
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
																																
 © Squarell 2018  © Squarell 2018  © Squarell 2018  © Squarell 2018																																
Location Remove the fusebox cover to reveal the modules. Search for the ZBR module. Remove the ZBR module from its socket to gain access to the connectors. CANbus Untwist the 173/White and 174/White wires Place the 173/White wire in the CAN high slot. Place the 174/White wire in the CAN low slot. Close the CANcliQ. Power + Ground : Connections in OBD connector. Ground (KL31) : OBD connector pin 4 and pin 5. Continuous Power (KL30) : Pin 16 OBD connector.																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

MAN Lion's City (3rd gen) 2004-2018

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
 ID 180 CANbus  © Squarell 2022  © Squarell 2022  © Squarell 2022																																
Location The connections can be found behind the driver. Remove the panel to gain access.		CANcliQ Location (1) <u>Option:</u> Remove the ZBRO32-E from the mount to gain better access. Untwist the pin 7 and pin 14 wires. Place the Pink wire with wire number 173 from pin 7 in the CAN High Slot. Place the Pink wire with wire number 174 from pin 14 in the CAN Low slot. Close CANcliQ.								DATAcliQ location (ID.180) (2) Untwist the pin 6 and pin 18 wires. From connector B. Place the blue/red wire from pin 6 in the CAN High Slot. Place the blue/white wire from pin 18 in the CAN Low slot. Close DatacliQ.								Find suitable location for power, ground or ignition yourself or: Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 wire and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector														
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																
MAN Lion's City e 2021+																																

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
Location Find the CANbus wires located behind the instrument cluster. Remove the top dashboard cover to get access to the backside of the instrument cluster. CANbus Untwist the white (second from left, the middle pin) and White (second from left, the upper pin) wires. Place the White wire (middle pin) in the CAN High Slot. Place the White wire (upper pin) in the CAN Low slot. Close CANcliQ. Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																
MAN Lions coach 2015+																																



Location

Find the CANbus wires located behind the instrument cluster.

Remove the top dashboard cover to get access to the backside of the instrument cluster.

CANbus

Untwist the white (second from left, the middle pin) and White (second from left, the upper pin) wires.

Place the White wire (middle pin) in the CAN High Slot.

Place the White wire (upper pin) in the CAN Low slot.

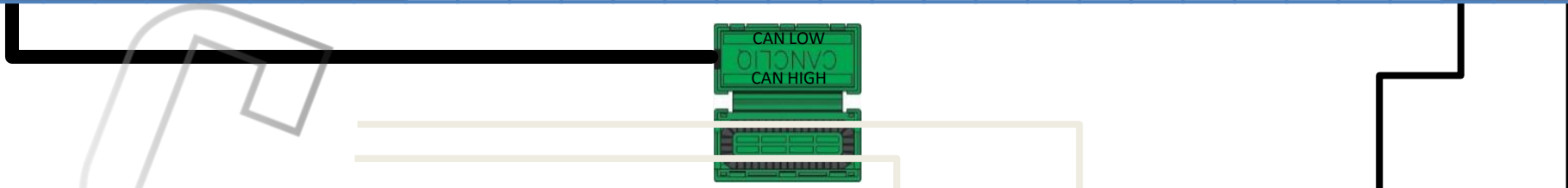
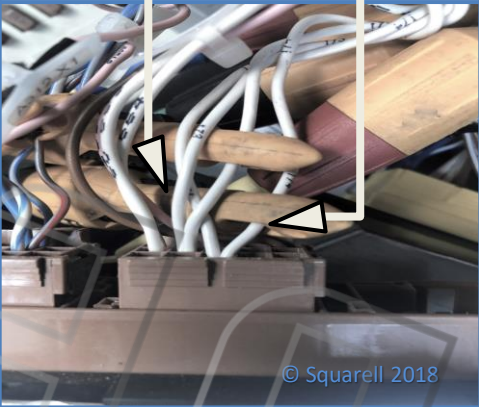
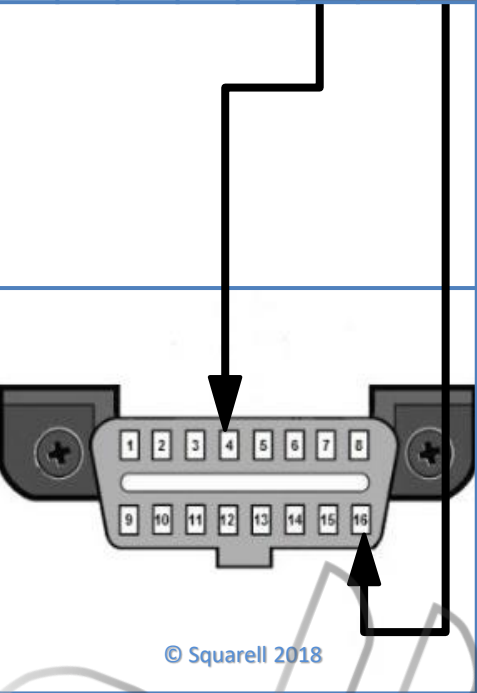
Close CANcliQ.

Power + Ground
Connections in OBD connector

Ground (KL31) :
OBD connector pin 4 and pin 5

Continuous Power (KL30) :
Pin 16 wire OBD connector

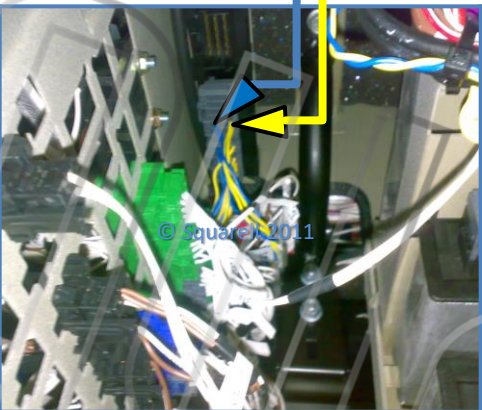
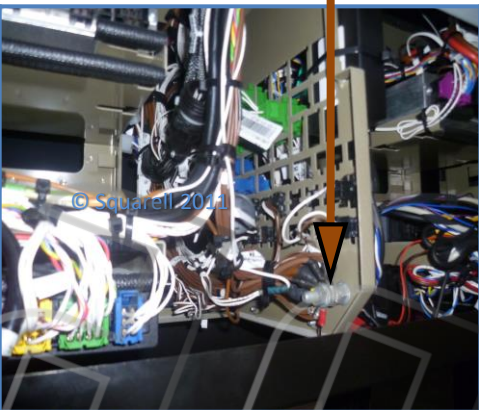
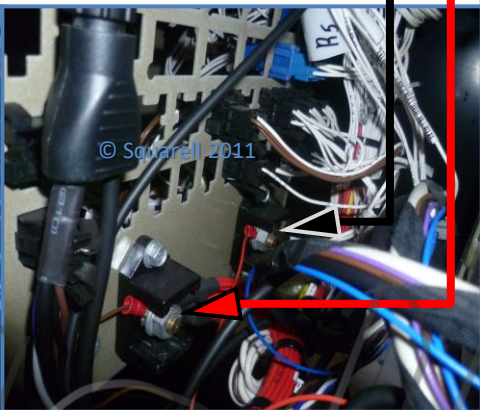
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
																																
																																
																																
																																
																																
Location Find the Fusebox tray located inside a luggage compartment, folded up against the roof. Pull out the KSM module from its socket at the back of the tray to gain access to the connectors. CANbus Untwist the 173/White and 174/White wires Place the 173/White wire in the CAN high slot. Place the 174/White wire in the CAN low slot. Close the CANcliQ. Power + Ground : Connections in OBD connector. Ground (KL31) : OBD connector pin 4 and pin 5. Continuous Power (KL30) : Pin 16 OBD connector.																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

MAN Lion's Intercity 2016 +

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
Location Remove the cover next to the steering wheel Colom (right side).																																
There is a CAN distribution block under the dashboard Switch with a Yellow and blue twisted wire.																																
CANbus Untwist the Blue & Yellow twisted wires from the Black controller. Place the Blue wire in the CAN High Slot. Place the Yellow wire in the CAN Low slot. Close CANcliQ.																																
Power + Ground Connections behind Dashboard middle Console cover. Ground (KL31) To black wires Ground connected to Chassis (see Black arrow). Continuous Power (KL30) Red Wires Continuous power (Red arrow). Power on Ignition (KL15) Yellow Wires Power at Ignition (Yellow arrow).																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

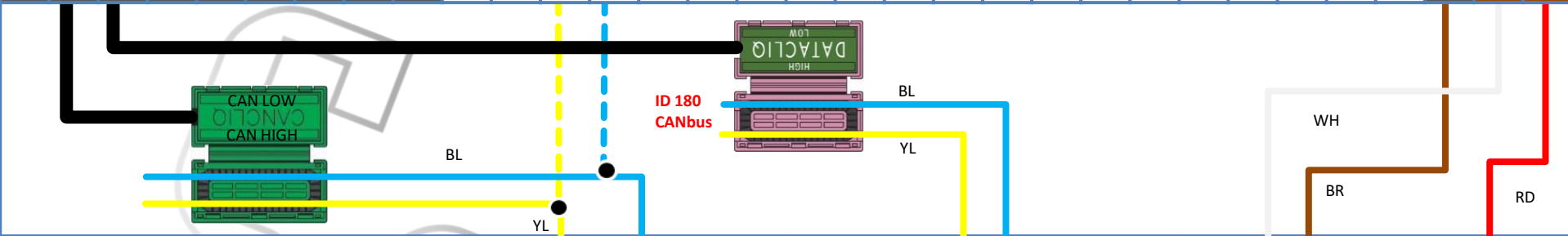
Marco Polo OM457 2010-2014

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu																	
																																																
Location Front side, on the top of the bus. Pull the fuse box board out.																																	CANbus Find the Grey Connector with Blue and yellow twisted wires (orange arrow). Untwist Blue and Yellow wires, Place Blue wire in CAN High Place Yellow wire in CAN Low Close CANcliQ.				Power + Ground Connections same are as CANbus. Ground (KL31) : Free terminals with Brown wire. (Brown arrow)				Continuous Power (KL30) : Free terminals with Red wires (Red arrow). Power on Ignition (KL15) : Free terminals with Black wires (Black arrow).							
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																																																

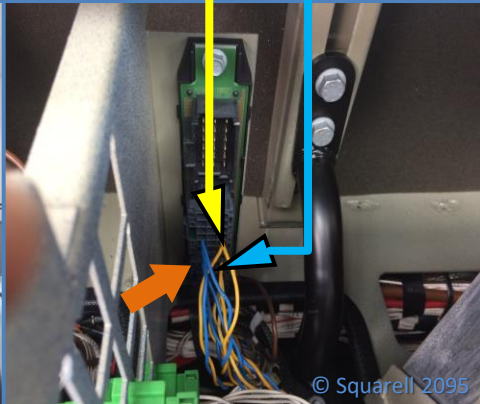
Mercedes Citaro Euro 3



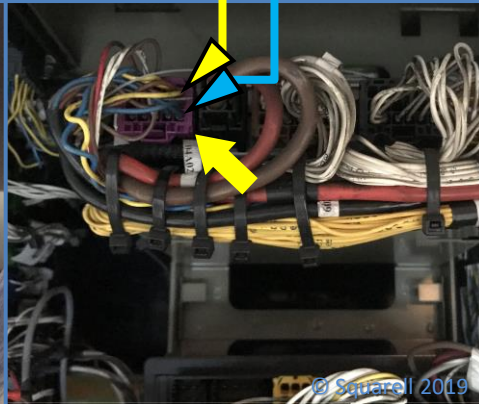
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708-1	J1708+1	J1708-2	J1708+2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu
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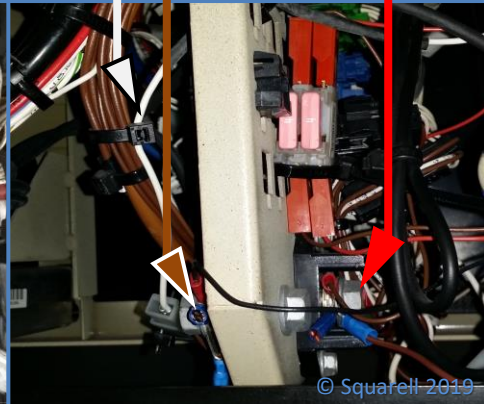
Location Open the cover in the middle above the front entrance of the vehicle. Connection 1: Find the CAN distribution block at the middle board. Connection 2: Find the module FPS2 (04A02).
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CANbus Untwist the Blue and Yellow wires from the CAN distribution block located right from the middle board. Place Blue wire in CAN High slot. Place Yellow wire in CAN Low slot. Close CANcliQ.



Secondary CANbus Find the purple connector on FPS2, it is the most left connector. Locate the blue and Yellow wire in Pin 1 & 3. Place Blue wire in CAN High slot. Place Yellow wire in CAN Low slot. Close DatacliQ.



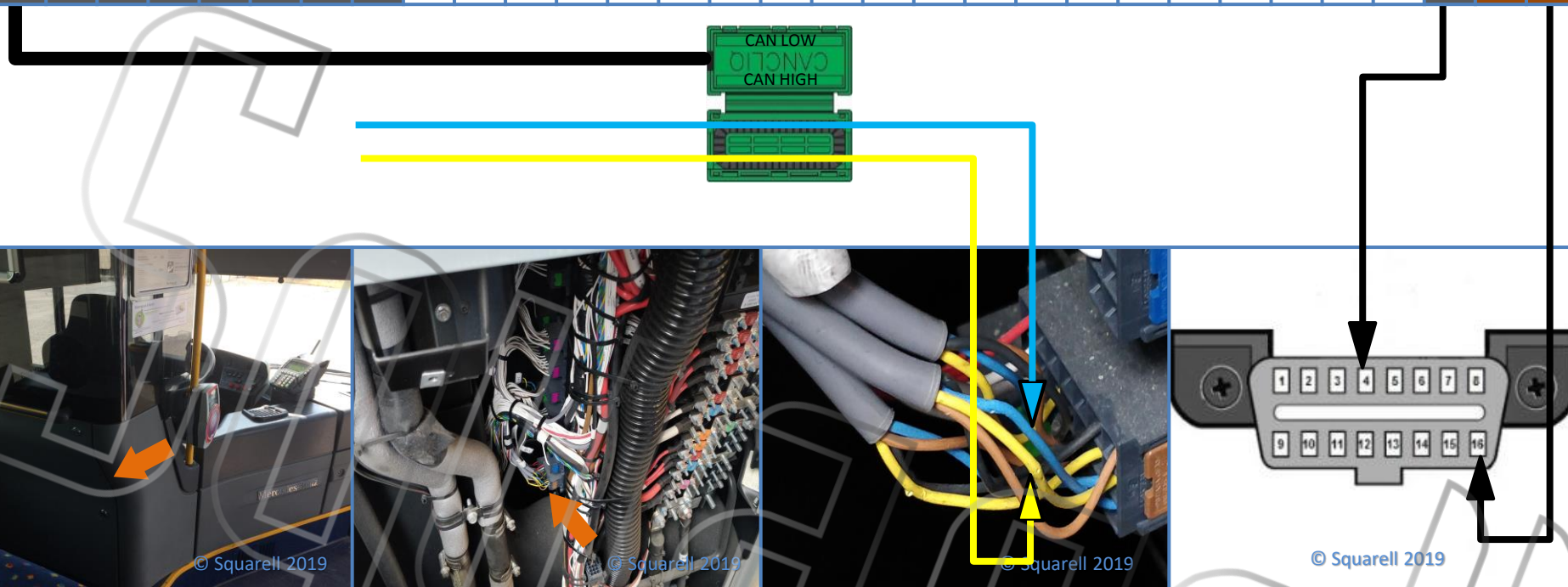
Power + Ground Ground (KL31) : Ground at bolt left side middle board (Brown arrow). Continuous Power (KL30) : Continues power at bolt right side middle board (Red arrow). Power on Ignition (KL15) : White supply connector, white wire (White arrow).

Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																													
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Mercedes Citaro - Euro 4,5,EEV 2007-2011																									
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z



OBD	CANClIQ	DATAclIQ 1	DATAclIQ 2	DATAclIQ 3	DATAclIQ 4	DATAclIQ 5	DATAclIQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu
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Location

Open the hatch located by the arrow to get access to the CANbus location.

The CANbus is located in the black connector accompanied by 2 other Blue&Yellow wires

CANbus

Untwist Blue and Yellow wires from the pair closest to you in the connector. It's the only correct wire set for the CANbus data.

Place the Blue wire in the CAN High Slot.
Place the Yellow wire in the CAN Low slot.
Close the CANcliQ.

Power + Ground

Connections in OBD connector

Ground (KL31) :
OBD connector pin 4 and pin 5

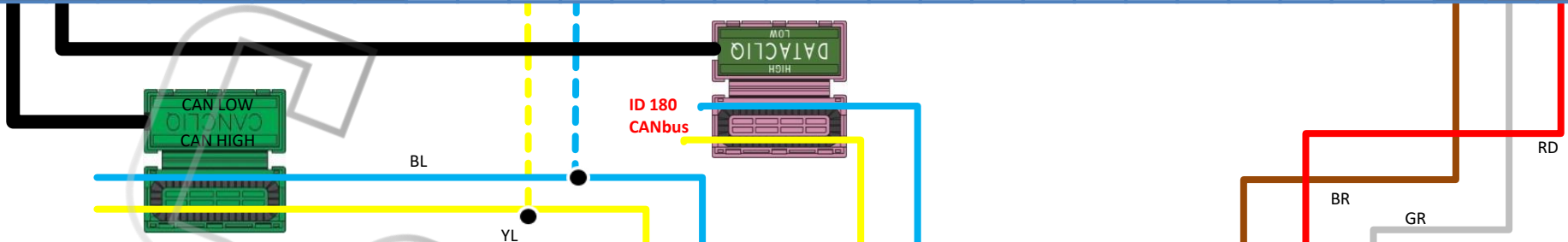
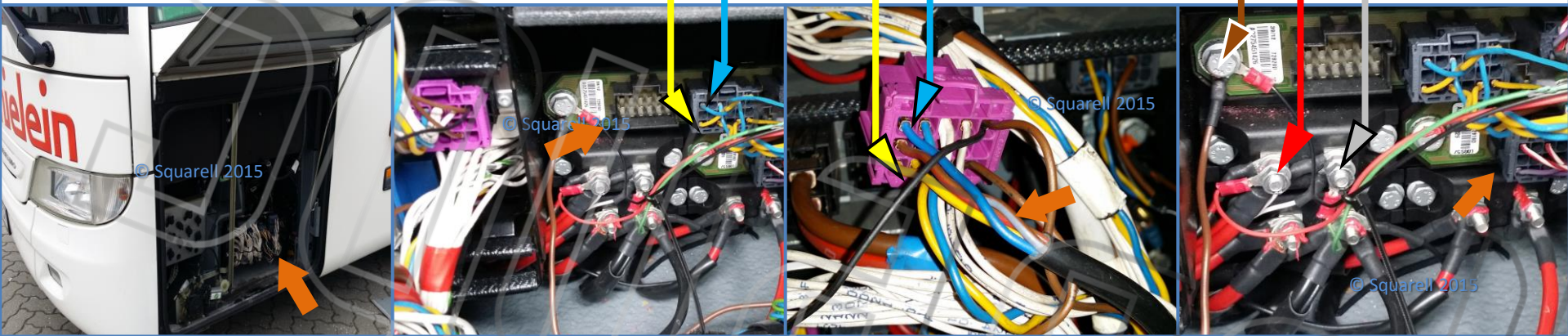
Continuous Power (KL30) :
Pin 16 wire OBD connector

Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

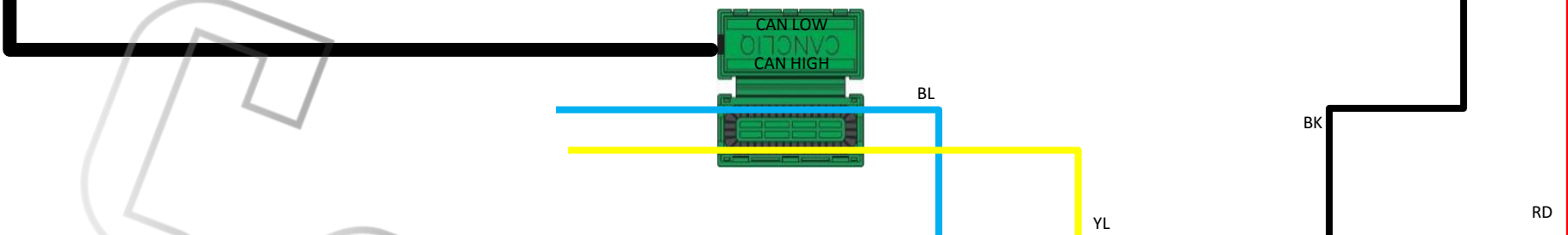
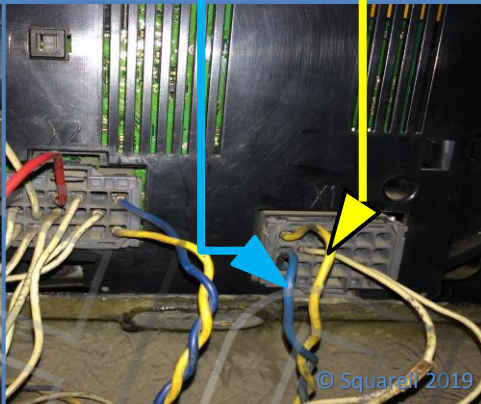
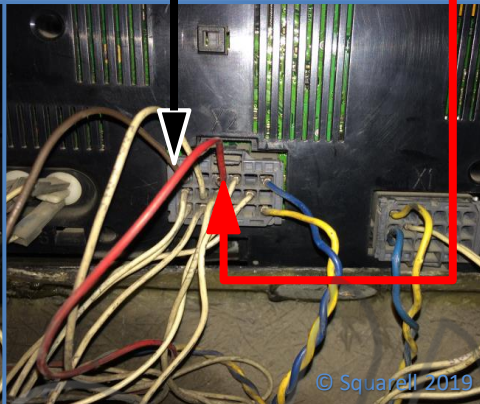
Mercedes Integro - Euro 4-5

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu
Location Driver side, rear of the bus. Pull the fuse box board out.		Find the Blue and yellow twisted wires (right orange arrow).		CANbus Place Blue wire in CAN High Place Yellow wire in CAN Low Close CANcliQ.		Power + Ground Connections same are as CANbus. Ground (KL31) : Free terminals with Brown wire. (Brown arrow) Continuous Power (KL30) : Free terminals with Red wires (Red arrow). Power on Ignition (KL15) : Free terminals with Black wires (Black arrow).																									
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																															

Mercedes Intouro Euro 3

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
																																						Z																			
																																						Y																			
Location Open Left front cover remove cover plate of the instrument panel. CANbus Untwist the Blue and Yellow wires from the CAN distribution block Located at the strip with connectors with only Yellow and blue wires (see Orange arrow) Place Blue wire in CAN High slot. Place Yellow wire in CAN Low slot. Close CANcliQ. Secondary CANbus Find the connector where beside the 2 pairs of yellow and blue twisted wires you will also find a Brown wire with a red tracer and a brown wire with blue tracer as this is the FPS connector. Place Blue wire in CAN High slot. Place Yellow wire in CAN Low slot. Close DatacliQ. Warning On the picture it's a purple connector however it could also be a blue or grey connector. Power + Ground Ground (KL31) : Ground Bolt left at CAN distribution connector print (Brown arrow) Continuous Power (KL30) : (Red arrow). Power on Ignition (KL15) : (Grey arrow).																																						X																			
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																						W																			

Mercedes Intouro - Euro 4-5

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z
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																															X	
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Location Find the CAN-bus wires at the driver side behind the instrument cluster (Orange arrow).		Remove the instrument cluster to gain access to the wiring. Look for the X1 Connector with a Blue & Yellow wire (Orange arrow).		CANbus Connection Untwist the Blue & Yellow wires. Place the Blue wire of Pin 16 in the CAN High Slot. Place the Yellow wire of Pin 18 in the CAN Low slot. Close the CANcliQ housing.		Power + Ground Connector X2 behind instrument cluster Ground (KL31) : Brown wire on Pin 1 (Black arrow) Continuous Power (KL30) : Red wire on Pin 7 (Red arrow)																										
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

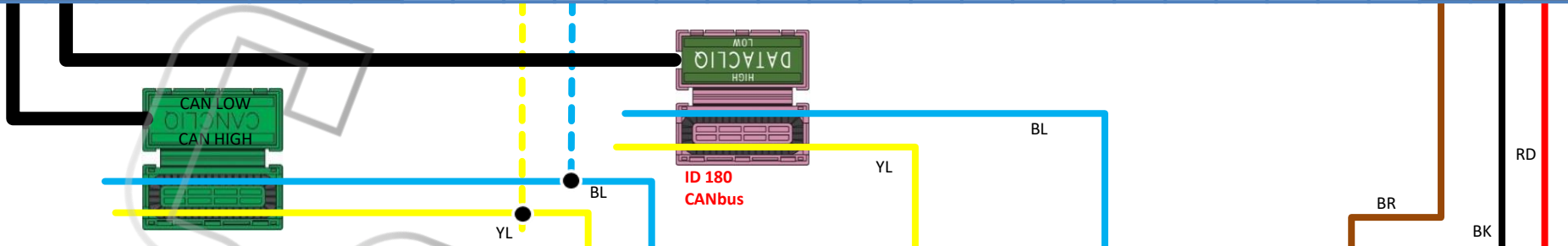
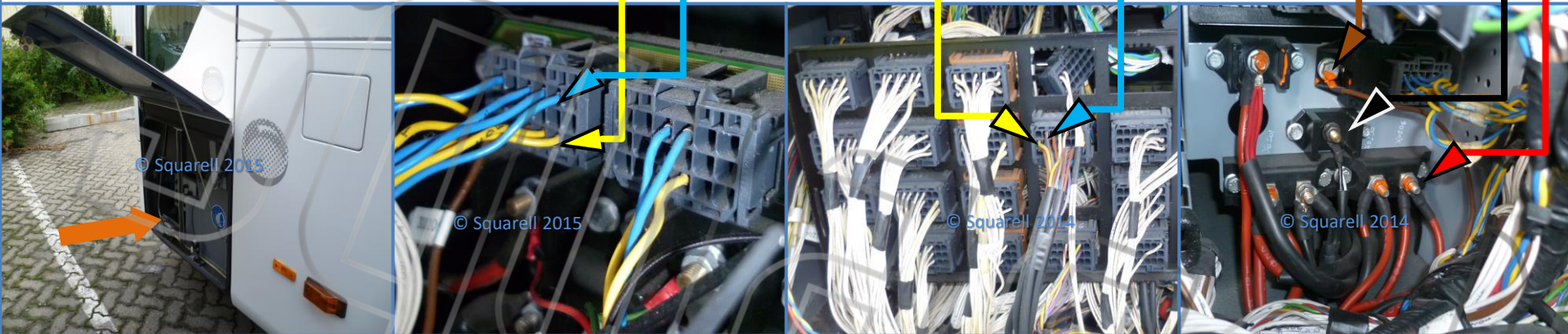
Mercedes O-500 RS 2001+

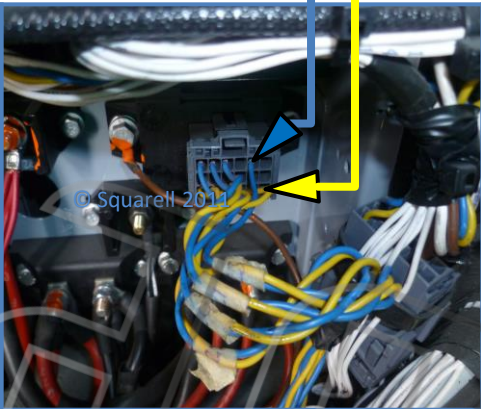
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
Diagram showing the wiring connections for the Squarell device. The device has two green CAN connectors: CAN LOW and CAN HIGH. The BK (Black) wire is connected to the CAN LOW terminal. The YE (Yellow) wire is connected to the CAN HIGH terminal. The BL (Blue) wire is connected to the CAN High slot of the CANbus connector. The BR (Brown) wire is connected to the Ground (KL31) terminal. The RD (Red) wire is connected to the Continuous Power (KL30) terminal. The Power on Ignition (KL15) terminal is connected to the BK (Black) wire.																																
© Squarell 2012									© Squarell 2011									© Squarell 2011									© Squarell 2011					
Location Front side, on the top of the bus. Pull the fuse box board out.									CANbus Untwist Blue and Yellow wires, Place Blue wire in CAN High slot Place Yellow wire in CAN Low slot Close CANcliQ.									Power + Ground Connections same are as CANbus. Ground (KL31) : Terminals with Brown wire. (Brown arrow) Continuous Power (KL30) : Terminals with Red wires (Red arrow). Power on Ignition (KL15) : Terminals with Black wires (Black arrow).														
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																																

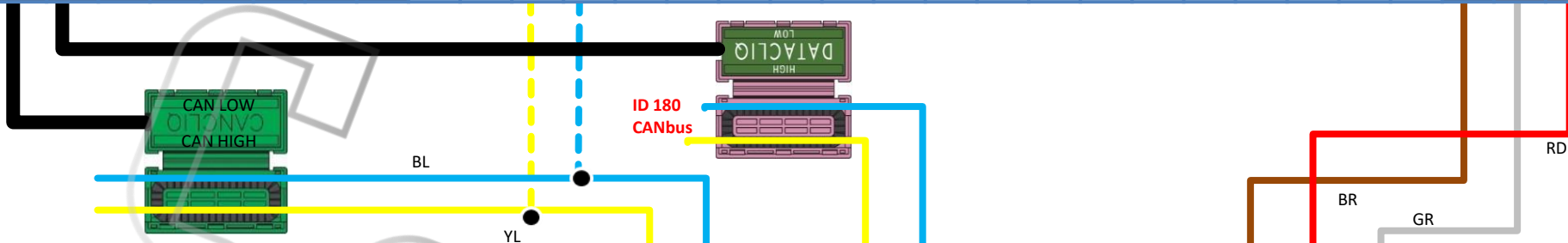
Mercedes OC-530 Euro 3+

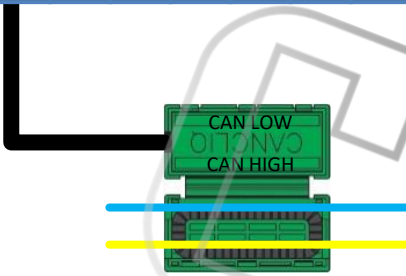
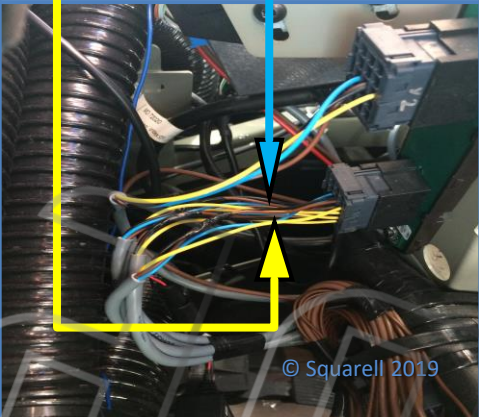
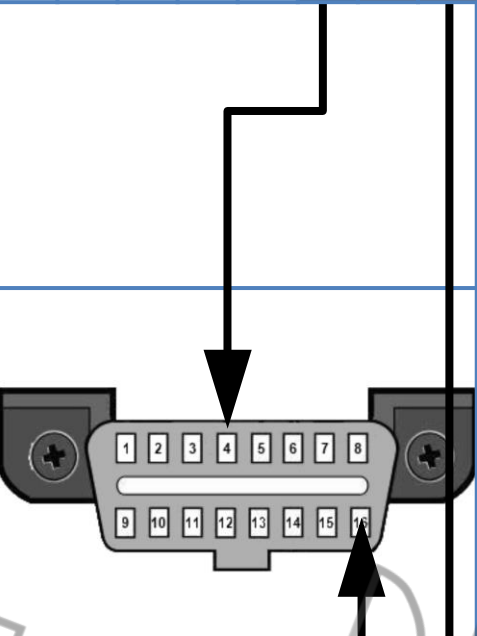
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z
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Location Remove the panels to get access to the instrument cluster behind the steering wheel.																																
CANbus The Black (X1) connector at the back of the instrument cluster has both CAN networks connections.																																
CANbus Untwist the Blue & Yellow wires. Place Blue wire in CAN_High Slot. Place Yellow wire in CAN_Low slot. Close CANcliQ.																																
Power + Ground Power and ground are located in the Black connector with Purple clip. Ground (KL31) Brown Wire (Brown arrow) Continuous Power (KL30) Red/Yellow wire (Red/Yellow arrow). Power on Ignition (KL15) Blue wire (Blue arrow).																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

Mercedes OM 457 2016

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu																																																																																																				
																																																																																																																																			
																																																																																																																																			
Location Open Left front cover remove cover plate of the instrument panel.																																	CANbus Remove the first rack with connectors to come to the CAN distribution block. Untwist the Blue and Yellow wires from the CAN distribution block Place Blue wire in CAN High slot. Place Yellow wire in CAN Low slot. Close CANcliQ.																																	Secondary CANbus Find the connector where beside the 2 pairs of yellow and blue twisted wires you will also find a Brown wire with a red tracer and a brown wire with blue tracer as this is the FPS connector. Place Blue wire in CAN High slot. Place Yellow wire in CAN Low slot. Close DatacliQ.(ID 180) Warning! On the picture it's a grey connector however it could also be a blue or purple connector.																																	Ground (KL31) : Ground Bolt left at CAN distribution connector print (Brown arrow) Continuous Power (KL30) : (Red arrow). Power on Ignition (KL15) : (Black arrow).																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																																																																																																																			
Mercedes Setra - Euro 4-5																																																																																																																																			

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu				
																																			
 © Squarell 2012									 © Squarell 2011									 © Squarell 2011									 © Squarell 2011								
Location Outside of the vehicle at front right, below cockpit Open the hood door. Tilt the connector panel .									CANbus Untwist Blue and Yellow wires, Place Blue wire in CAN High slot Place Yellow wire in CAN Low slot Close CANcliQ.									Power + Ground Connections same are as CANbus. Ground (KL31) : Terminals with Brown wire. (Brown arrow) Continuous Power (KL30) : Terminals with Red wires (Red arrow). Power on Ignition (KL15) : Terminals with Black wires (Black arrow).																	
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																																			
Mercedes Turismo (1 st gen) EU3/EU4																																			

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z
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 BL YL  © Squarell 2019 Location Remove the dashboard cover located above to gain access to the CAN-bus location.  © Squarell 2019 CANbus Locate the connectors at the back of the instrument cluster. The correct connector containing the CAN-bus wires is on the right (x3704).  © Squarell 2019 CANbus The CAN-bus connection can be made on the lower connector. It's a star point so all the blue/yellow twisted pairs from this connector are containing identical data. Preferably pick 2 wires that are bundled together. Place the blue wire in the CAN high slot. Place the yellow wire in the CAN low slot. Close the CANcliQ.  © Squarell 2019 Power + Ground Connections can be made in the OBD connector. Ground (KL31) : OBD connector pin 4 or 5 wire. Continuous Power (KL30) : Pin 16 wire OBD connector																																

Mercedes Turismo (3rd gen) EU6

Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

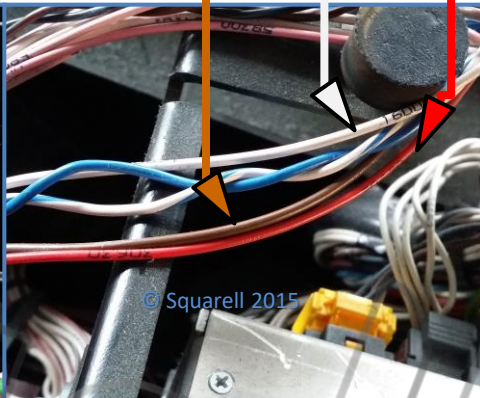
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

Z	Y
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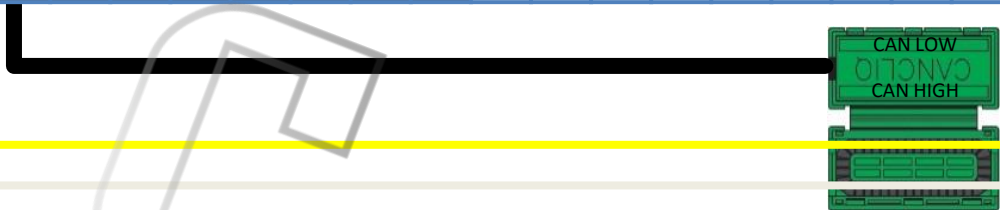
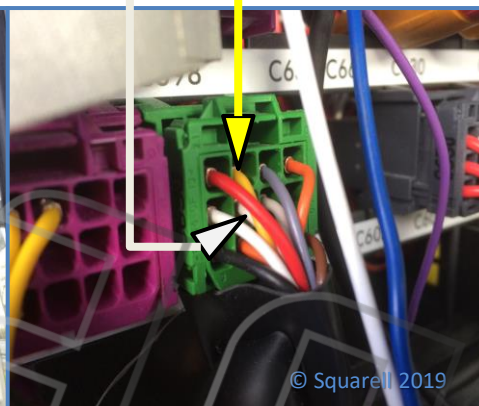
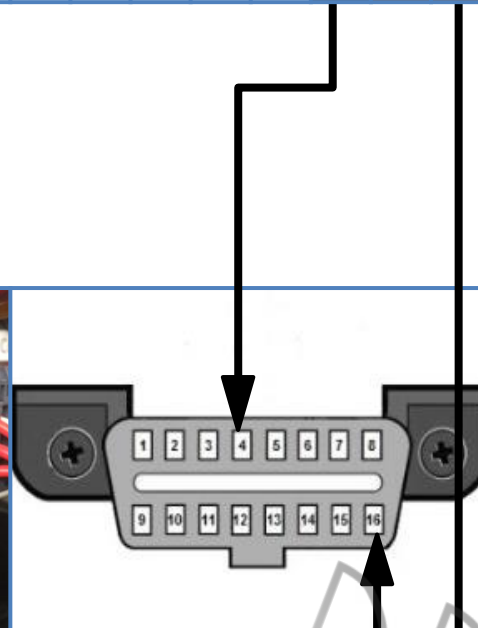


A	B	C	D	E	F	G	H	I	J	K
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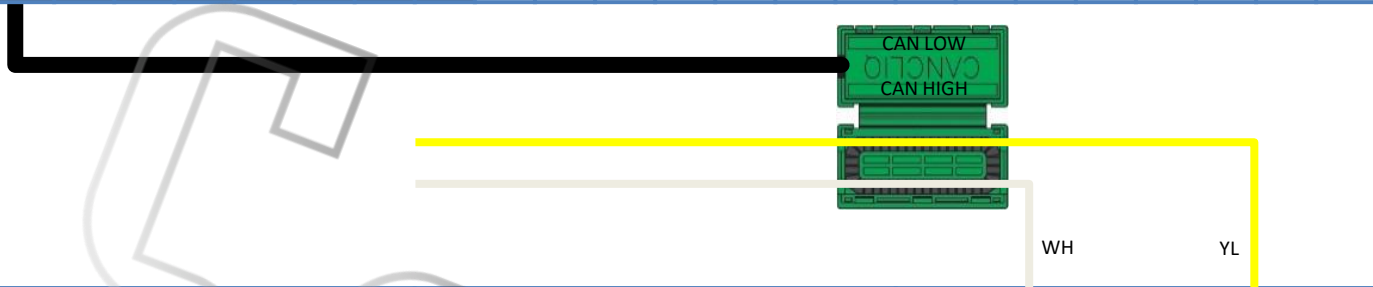
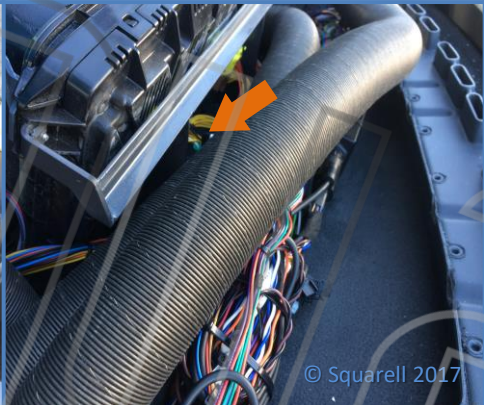
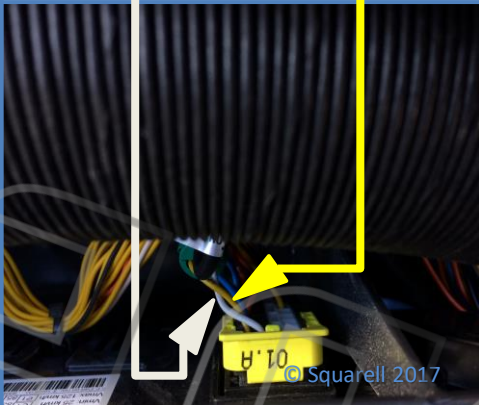
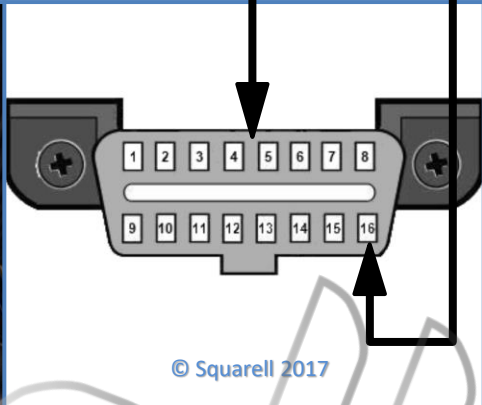
A	B	C	D	E	F	G	H	I	J	K
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OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu				
																																			
																																			
Location Remove the dashboard cover, so the instrument panel is reachable from the back side.									CANbus Untwist the Blue and White/Blue wires. Place Blue wire in CAN High slot. Place White/Blue wire in CAN Low slot. Close CANcliQ.									Power + Ground Connections in the AK07X1 connector. Ground (KL31) : Brown wire in the connector(Brown arrow) Continuous Power (KL30) : Red wire in the connector(Red arrow) Power on Ignition (KL15) : White wire with number 16000 in the connector (White arrow).																	
Important! Switch the ignition off before you remove the connector to avoid errors.																																			
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																			

Neoplan Starliner 2011 - 2014

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z									
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																															A										
																																				Location Open the hatch to get access to the ECU's	Look for the Green connector at the front of the hatch.	CANbus Cut open a little bit off the isolation to gain better access to the Yellow and White CANbus wires. Make sure you connect to the correct wire since there is another white colored wire in the loom. Untwist the Yellow and White wires. Place the Yellow wire in the CAN high slot. Place the White wire in the CAN low slot. Close the CANcliQ.	Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 Black wire and pin 5 Continuous Power (KL30) : Pin 16 White wire OBD connector	Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.	Scania Citywide 2018+



OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu							
																																						
 © Squarell 2017									 © Squarell 2017									 © Squarell 2017									 © Squarell 2017											
Location The CANbus is located at the backside of the Instrument Cluster. (Orange arrow) Power and Ground are located at the OBD connector, which is located on the left side of the dashboard. (Yellow arrow)									Remove the dashboard top panel to gain access to the backside of the Instrument Cluster. The Yellow connector A.10 contains the CANbus.									CANbus Untwist the Yellow and White wires. Place the Yellow wire from in the CAN High Slot. Place the White wire from in the CAN Low slot. Close CANcliQ.									Power + Ground Connections are located at the Central Electronic Cabinet. Ground (KL31) : OBD pin 4 and 5. Continuous Power (KL30) : OBD pin 16.											
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																						

Scania Interlink 2015+

Z	Y
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Open the hatch at the ceiling to get access to the fusebox.

Locate the green connector at the big module. It has marking "E750.D".

Untwist the Yellow and White wires.
Place the Yellow wire in the CAN High Slot.
Place the White wire in the CAN Low slot.
Close the CANcliQ.

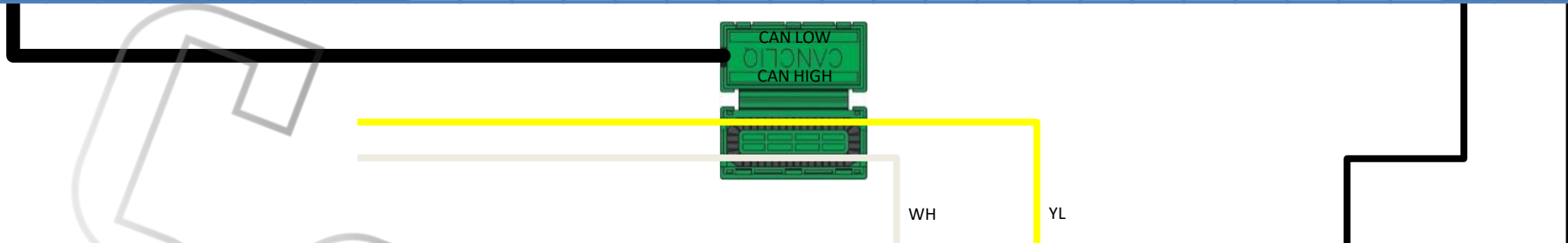
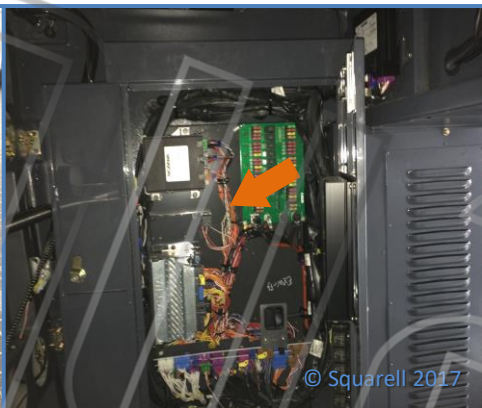
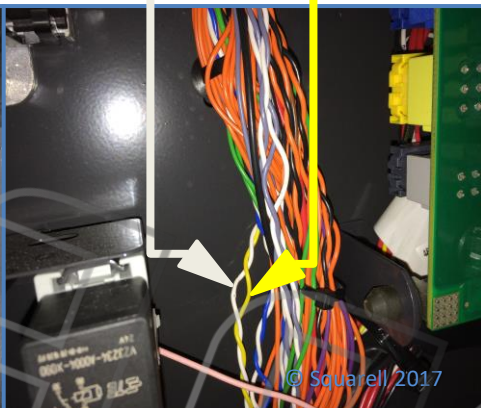
Power + Ground

Connections in OBD connector

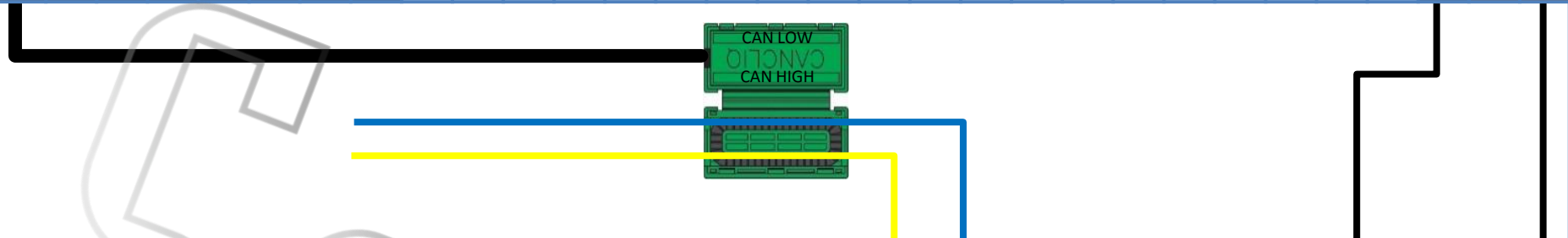
Ground (KL31) :
OBD connector pin 4 and pin 5

Continuous Power (KL30) :
Pin 16 wire OBD connector

Warning! CANCIQ or DataCIQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu																					
																																																				
																																																				
Location The CANbus is located in the Central Electronic Cabinet, which is in the front luggage compartment. At the front left side there is a door. Behind the door is the Central Electronic Cabinet.									CANbus Untwist the Yellow and White wires. Place the Yellow wire from in the CAN High Slot. Place the White wire from in the CAN Low slot. Close CANcliQ.									Power + Ground Connections located at the central electronic cabinet. Ground (KL31) : Ground point. Continuous Power (KL30) : Battery power point.																																		
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																																				

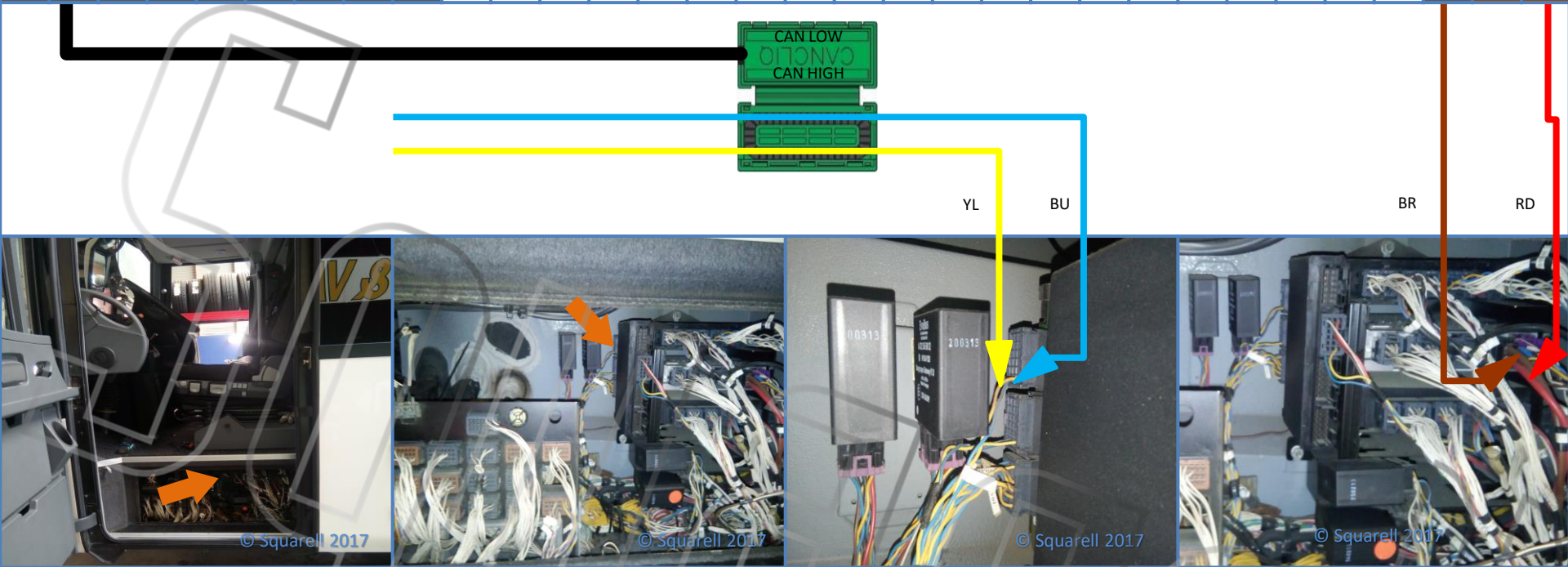
Scania Touring 2009+

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu					
																																				
																																				
Location Remove the panel below the driver side window held in place with 2 bolts from underneath. Once removed you'll find a grey cover which also has to be removed. The CANbus location is located further back indicated by the orange arrow. It's a grey connector on a green PCB with exclusively blue and yellow wires coming out of it. Make sure to connect to the blue and yellow pair.									CANbus Untwist the blue & yellow wires. Place the blue wire in the CAN High Slot. Place the yellow wire in the CAN Low slot. Close the CANcliQ.									Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector																		
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																				

Setra S416 LE 2017+



OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z
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Location

The CANbus is located in the Central Electronic Cabinet, which is at the driver side underneath the driver seat.

Open up the hatch of the cabinet to gain access to the CANbus.
Find the Wiring Loom from the CANbus Junction Box.

CANbus

Untwist the Blue and Yellow wires.

Place the Blue wire from in the CAN High Slot.
Place the Yellow wire from in the CAN Low slot.
Close CANcliQ.

Power + Ground

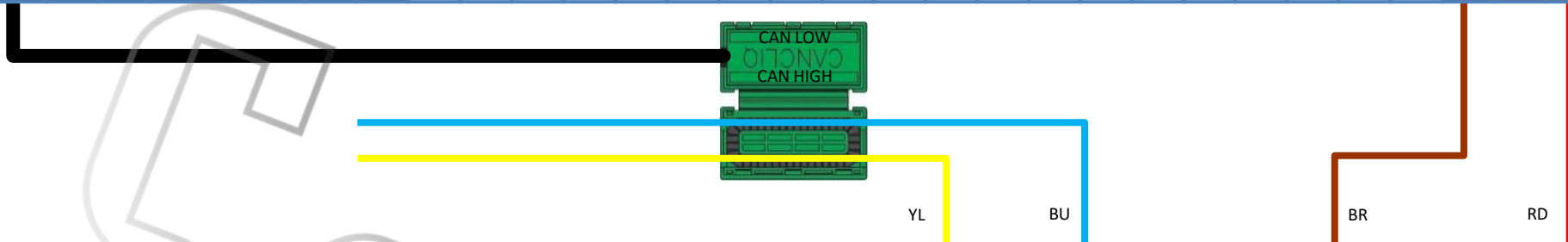
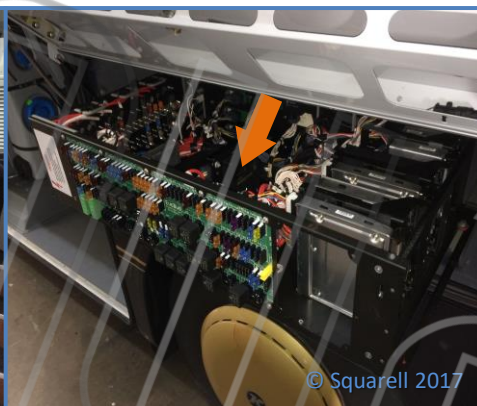
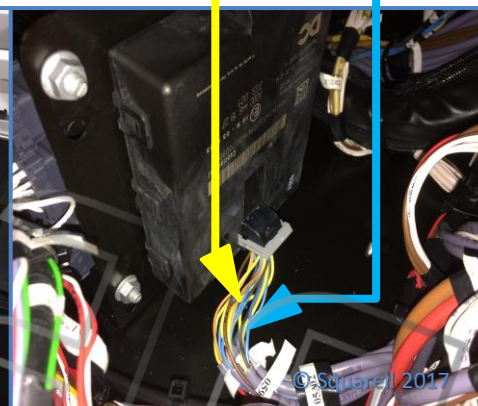
Connections located at the central electronic cabinet.

Ground (KL31) :
Brown wire Ground point.

Continuous Power (KL30) :
Red wire Battery Power.

Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

Setra S431DT Euro 6 2014+

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
																																
 © Squarell 2017  © Squarell 2017  © Squarell 2017  © Squarell 2017																																
Location Find the central electronic cabinet, which is located at the passenger side hatch. Open up the side hatch to gain access to the central electronic cabinet. Slide the cabinet out. Find the central module which is located at the center of the cabinet. Wire number 590 Blue (pin 21) and Yellow (pin 16) is the correct CANbus. CANbus Untwist the Blue (pin 21) and Yellow (pin 16) wires. (Wire number 590) Place the Blue wire from in the CAN High Slot. Place the Yellow wire from in the CAN Low slot. Close CANcliQ. Power + Ground Connections located at the central electronic cabinet. Ground (KL31) : Ground point. Continuous Power (KL30) : Battery power point.																																
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

Setra S515HD – S519HD 2002+

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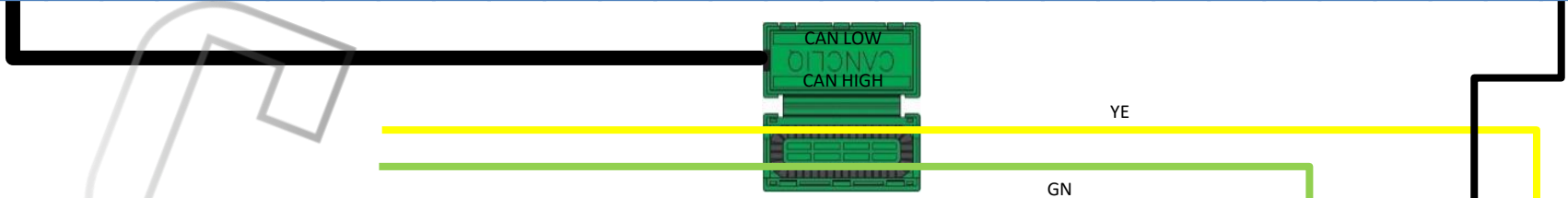
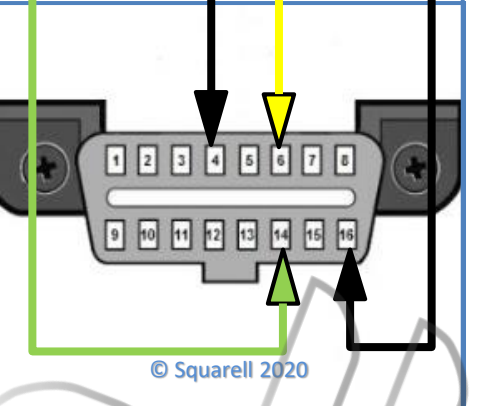


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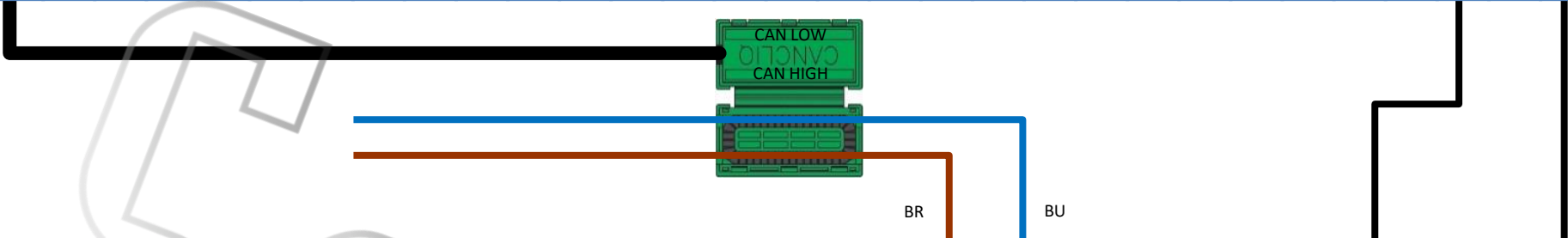
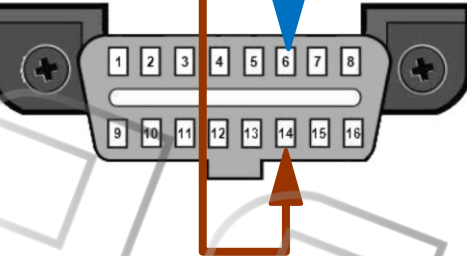
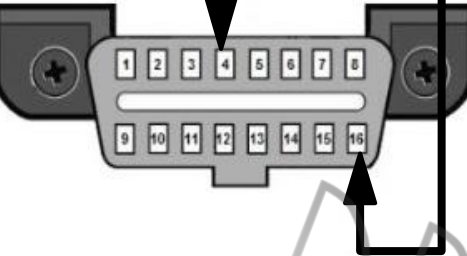


Temsa MD9 2011+

Version 160707 ENG
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OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu				
																																			
 © Squarell 2020									 © Squarell 2020									 © Squarell 2020									 © Squarell 2020								
Location Find the OBD connector at the driver side. Located underneath the cover on the left side.									Remove the OBD connector from the clips to get access.									CANbus Untwist the pin 6 and pin 14 wires. Place the Yellow wire from pin 6 in the CAN High Slot. Place the Green wire from pin 14 in the CAN Low slot. Close the CANcliQ.									Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector								
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																			

Temsa Tourmalin 2005+

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
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Location Find the OBD connector which is located at the dashboard. Located at the diagnostic cabinet.																																Q
Open the door to gain access to the OBD connector. Remove the panel which contains the OBD connector.																																P
CANbus Untwist the pin 6 Blue and pin 14 Brown wires. Place the Blue wire from pin 8 in the CAN High Slot. Place the Brown wire from pin 9 in the CAN Low slot. Close CANcliQ.																																O
Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 wire and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector																																N
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																M
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OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z
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Location

Find the CANbus wires located at the diagnostic cabinet. Which is located at the dashboard at the center. The OBD connector is also located at the diagnostic cabinet. (Yellow arrow)

Open the door of the diagnostic cabinet. The yellow ZF diagnose connector contains the CANbus. (Orange arrow) The OBD connector contains the power and ground connections. (Yellow arrow)

CANbus

Untwist the pin 8 Blue and pin 9 Brown wires.

Place the Blue wire from pin 8 in the CAN High Slot.

Place the Brown wire from pin 9 in the CAN Low slot.

Close CANcliQ.

Power + Ground
Connections in OBD connector

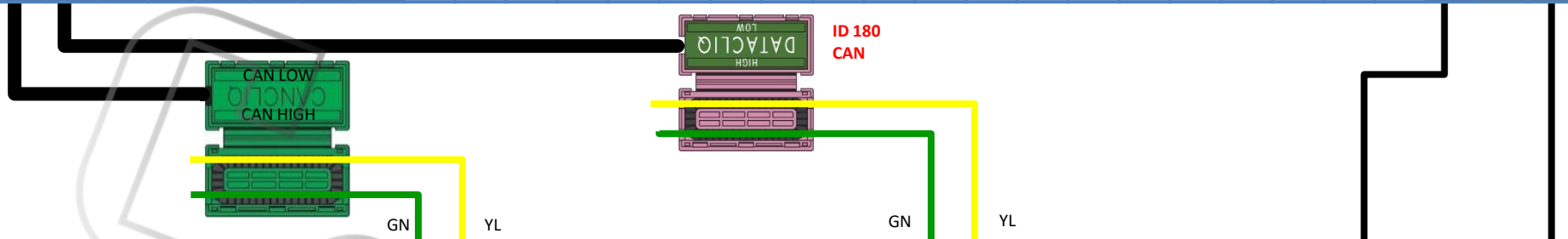
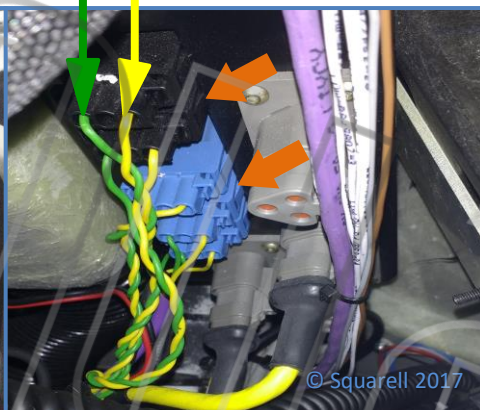
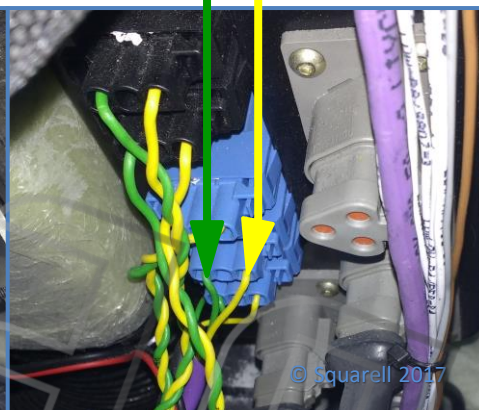
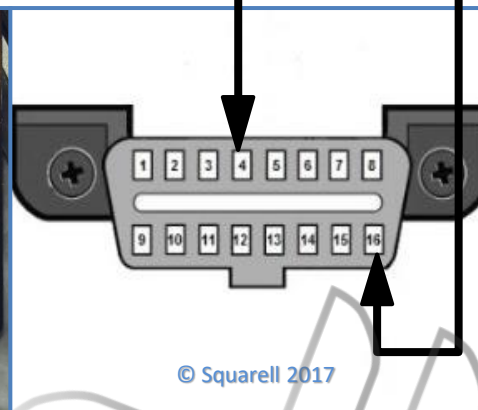
Ground (KL31) :
OBD connector pin 4 wire and pin 5

Continuous Power (KL30) :
Pin 16 wire OBD connector

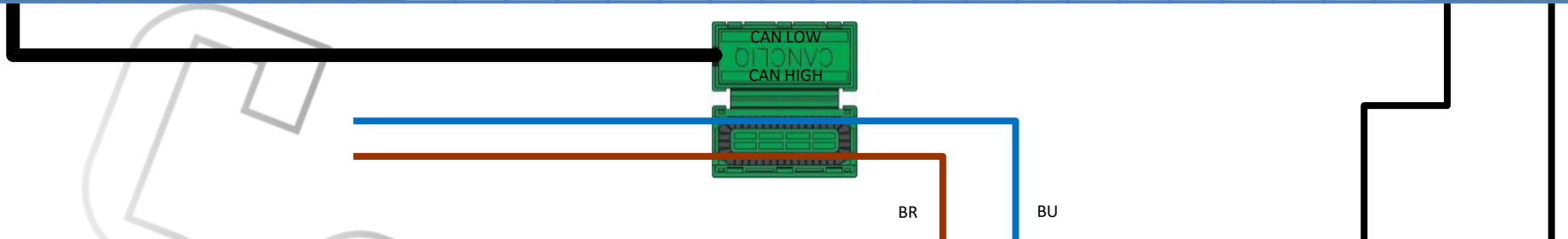
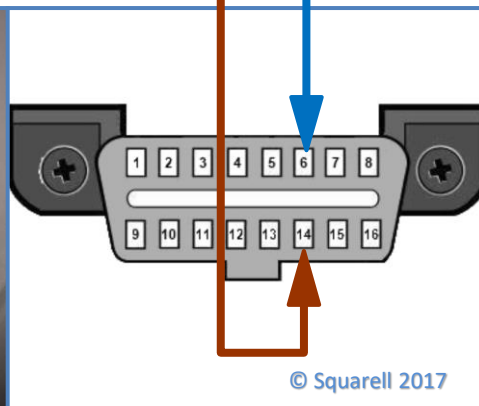
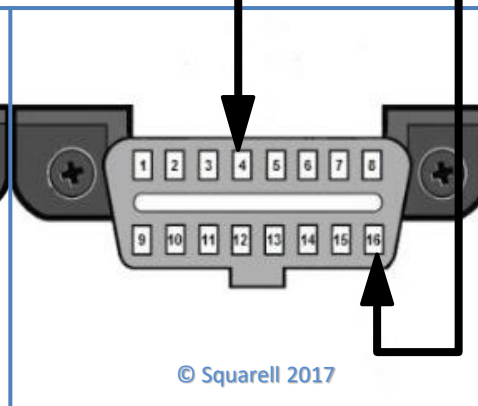
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

Version 160707 ENG
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VanHool TX17 Acron 2012+

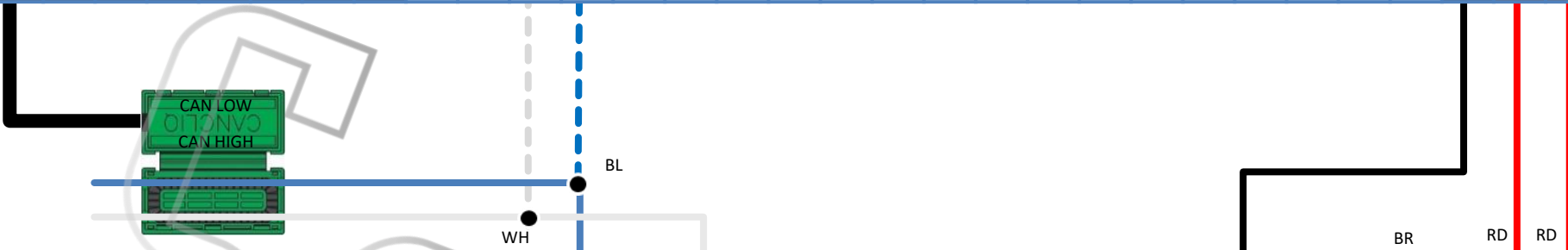
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu																																																																																																																																					
																																																																																																																																																																				
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Location Find the two CANbus pairs behind the dashboard at the middle. Remove the middle part of the top dashboard cover. Locate the wires behind the radio as shown in the picture to the right.																																	CANcliQ Untwist the Yellow and Green wires from one of the two Black connectors. Place the Yellow wire in the CAN High Slot. Place the Green wire in the CAN Low Slot. Close CANcliQ.																																	DatacliQ Untwist the Yellow and Green wires from one of the three Blue connectors. Place the Yellow wire in the CAN High Slot. Place the Green wire in the CAN Low slot. Close DatacliQ.																																	Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 and pin 5 Continuous Power (KL30) : Pin 16 OBD connector																																																																	
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																																																																																																																																																				

VanHool TDX27 Astromega 2011-2012

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
																																
 © Squarell 2017		 © Squarell 2017		 © Squarell 2017		 © Squarell 2017																										
Location Find the OBD connector which is located at the dashboard. Located at the diagnostic cabinet.		Open the door to gain access to the OBD connector. Remove the panel which contains the OBD connector.		CANbus Untwist the pin 6 Blue and pin 14 Brown wires. Place the Blue wire from pin 8 in the CAN High Slot. Place the Brown wire from pin 9 in the CAN Low slot. Close CANcliQ.		Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 wire and pin 5 Continuous Power (KL30) : Pin 16 wire OBD connector																										
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.																																

VanHool TDX27 Astromega 2013+

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OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu		
																																VDL Ambassador 200 Euro 3+	
Location Driver side, on the top, behind the second above cap (orange arrow) Open the above box cap by 2 rectangle clips.		CANbus Find DAF CAN distribution block with White and Blue twisted wires (orange arrow) Place Blue wire in CAN High Place White wire in CAN Low Close CANcliQ.		Power + Ground Connections are on the same area. Find the Fuse box on the Left of the WABCO controller.		Ground (KL31) : Free terminals with White wire. (Black arrow) Continuous Power (KL30) : Free terminals with Red wires (Red arrow). Power on Ignition (KL15) : Free terminals with Red wires (Red arrow).																											
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires.																																	

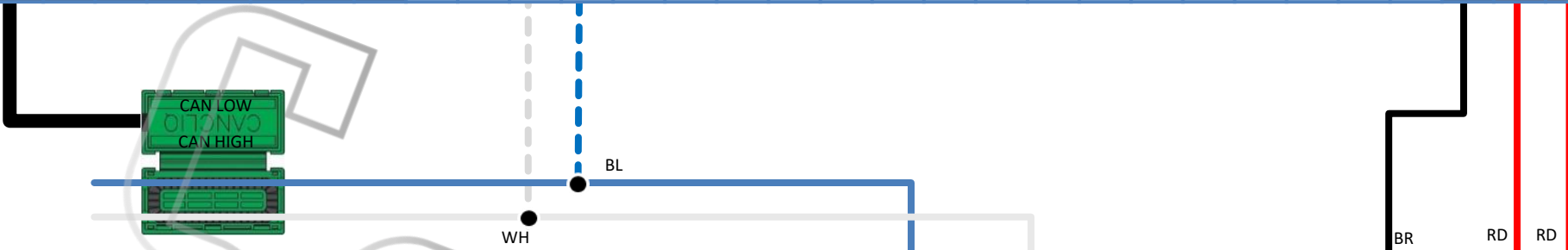
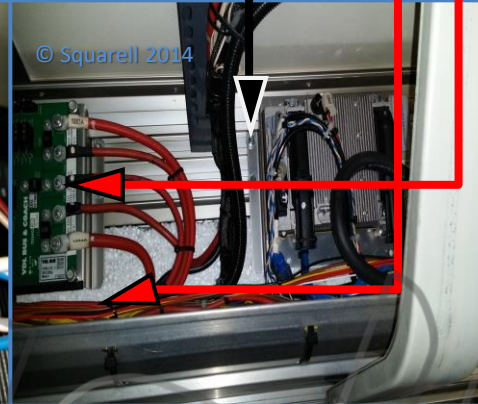


A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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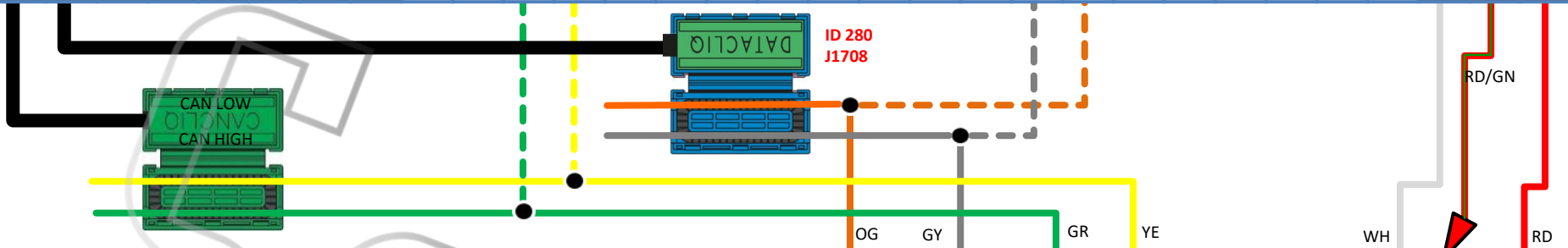
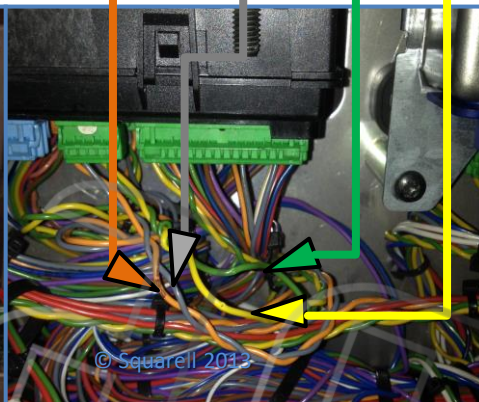
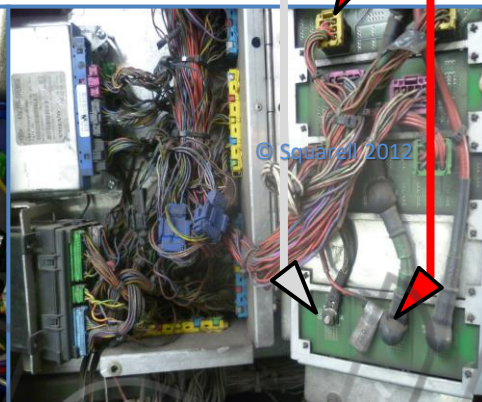
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

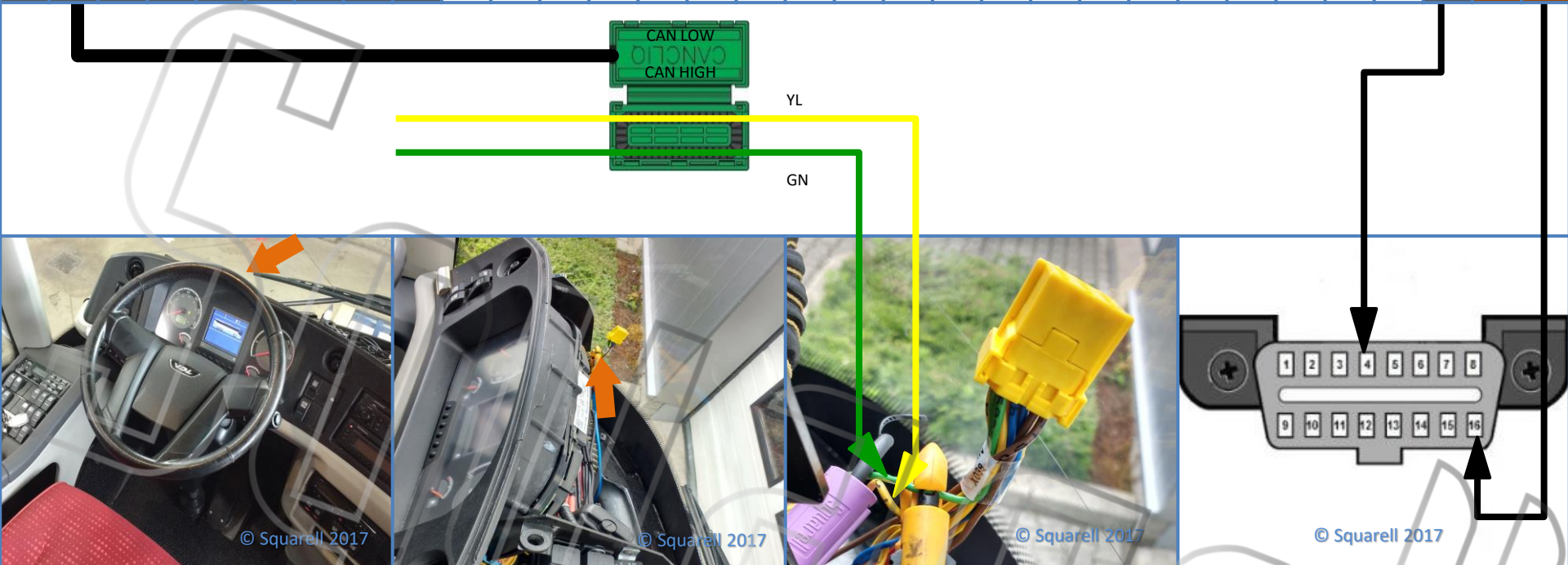
OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z
																															Y	
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																															D	
																															C	
																															B	
																															A	
  Location Driver side, on the top, behind the second above cap (orange arrow) Open the above box cap by 2 rectangle clips. CANbus Find CAN distribution block with White and Blue twisted wires (orange arrow) Place Blue wire in CAN High Place White wire in CAN Low Close CANcliQ. Power + Ground Connections are on the same area. Find the Fuse box on the Left of the WABCO controller. Ground (KL31) : Free terminals with White wire. (Black arrow) Continuous Power (KL30) : Free terminals with Red wires (Red arrow). Power on Ignition (KL15) : Free terminals with Red wires (Red arrow).																																
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VDL Berkhof Ambassador Euro 5+ 2008-2013																																



OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	
																																
																																
Location Halfway the bus in the compartment.									Find the ECU with the Yellow and Green twisted CANbus wires and the Grey and Orange twisted J1708 wires. Located at the left side.									CANbus Untwist Green and Yellow wires, Place Yellow wire in CAN High slot Place Green wire in CAN Low slot Close CANcliQ. J1708 bus Untwist Grey and Orange wires, Place Orange wire in High slot Place Grey wire in low slot Close DatacliQ.									Power + Ground Connections at backside of fuse box. Ground (KL31) : Terminal with White wire (White arrow) Continuous Power (KL30) : Terminal with Red wire (Red arrow). Power on Ignition (KL15) : Free terminals on Yellow connector with Red/Green wires (Red/Green arrow).					
Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 48V power supply. Please use certified crimping tools to connect the wires. This vehicle type is not supporting the Total Fuel Used, Engine Coolant Temperature and the Fuel Level on the Direct CANbus. Squarell unit will start counting the Total Fuel Used since the installation. The Engine Coolant Temperature and the Fuel Level can only be supported with a 6628-31 J1708 Diode or FLX12 Flex .																																

VDL Berkhof B9R (1st gen.) 2009+

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu					
																																				
																																				
<table><tr><td>Location Find the Yellow connector at the driver side. Located behind the instrument cluster at the driver side.</td><td> Remove the top dashboard cover to find the Yellow connector. That contains the Yellow and Green twisted pair of wires.</td><td>CANbus Untwist the Yellow and Green wires. Place the Yellow wire in the CAN High Slot. Place the Green wire from in the CAN Low slot. Close CANcliQ.</td><td>Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 and pin 5 Continuous Power (KL30) : Pin 16 OBD connector</td></tr></table>																																	Location Find the Yellow connector at the driver side. Located behind the instrument cluster at the driver side.	 Remove the top dashboard cover to find the Yellow connector. That contains the Yellow and Green twisted pair of wires.	CANbus Untwist the Yellow and Green wires. Place the Yellow wire in the CAN High Slot. Place the Green wire from in the CAN Low slot. Close CANcliQ.	Power + Ground Connections in OBD connector Ground (KL31) : OBD connector pin 4 and pin 5 Continuous Power (KL30) : Pin 16 OBD connector
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VDL Futura 2010+																																				



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Z	Y
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The CANbus wires are located at the backside of the Instrument cluster (BIC). The OBD connector is located underneath the dashboard. On the right side above the accelerator pedal. (Yellow Arrow)

Remove the upper dashboard panel to get access to the backside of the Instrument cluster. The Green A connector contains the CANbus wires.

CANCIQ: BIC pin A15 Yellow and pin A16 Green wires.

Place the Yellow wire from pin A15 in the CAN High Slot.

Place the Green wire from pin A16 in the CAN Low slot.

Close CANCIQ.

Datalink ID 280 J1708: BIC pin A18 Orange and pin A17 Grey wires.
Place the Orange wire from pin A18 in the CAN High Slot.
Place the Grey wire from pin A17 in the CAN Low slot.
Close CANcliQ.

Ground (KL31) :
OBD connector pin 4 wire and pin 5

Continuous Power (KL30) :
Pin 16 wire OBD connector

Warning! CANcliQ or DatacliQ closes only once. Please repower the Squarell Device after the installation is completed. Please connect Squarell devices to a 10V to 30V power supply. Please use certified crimping tools to connect the wires.

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu					
Diagram labels: CAN LOW, CAN HIGH, DATAcliQ, ID 280 J1708, OG, GY, GR, YE, WH, RD, GR.																																				
© Squarell 2012																																				
<table><tr><td>Location Front Left side, on the top of the bus.</td><td>Pull the fuse box door out. Pull the Power panel out and find the VECU. (orange arrow)</td><td>CANbus Untwist Green and Yellow wires, Place Yellow wire in CAN High slot Place Green wire in CAN Low slot Close CANcliQ. J1708 bus Untwist Grey and Orange wires, Place Orange wire in High slot Place Grey wire in low slot Close DatacliQ.</td><td>Power + Ground Connections at backside of fuse box. Ground (KL31) : Terminal with White wire (White arrow) Continuous Power (KL30) : Terminal with Red wire (Red arrow). Power on Ignition (KL15) : Free terminals on Yellow connector with Red/Green wires (Red/Green arrow).</td></tr></table>																																	Location Front Left side, on the top of the bus.	Pull the fuse box door out. Pull the Power panel out and find the VECU. (orange arrow)	CANbus Untwist Green and Yellow wires, Place Yellow wire in CAN High slot Place Green wire in CAN Low slot Close CANcliQ. J1708 bus Untwist Grey and Orange wires, Place Orange wire in High slot Place Grey wire in low slot Close DatacliQ.	Power + Ground Connections at backside of fuse box. Ground (KL31) : Terminal with White wire (White arrow) Continuous Power (KL30) : Terminal with Red wire (Red arrow). Power on Ignition (KL15) : Free terminals on Yellow connector with Red/Green wires (Red/Green arrow).
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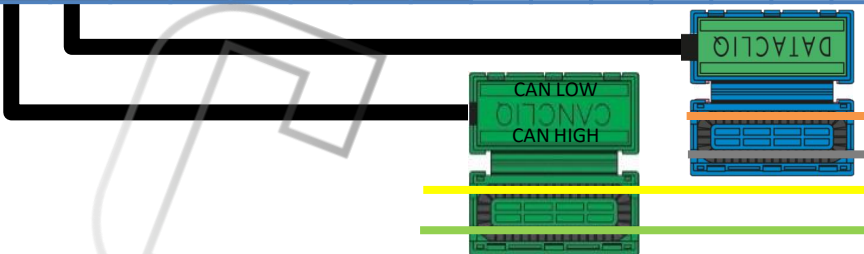
Volvo 7700 & 8700 & 9500 & 9700 Series Euro 4

Z	Y
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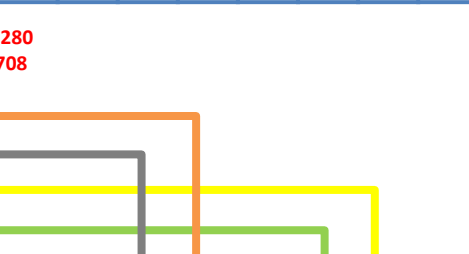
Volvo 8500 B7RLE 2006-2011

OBD	CANcliQ	DATAcliQ 1	DATAcliQ 2	DATAcliQ 3	DATAcliQ 4	DATAcliQ 5	DATAcliQ 6	Vehicle spec.	CAN1-L	CAN1-H	CAN2-L	CAN2-H	CAN3-L	CAN3-H	CAN4-L	CAN4-H	K-Line1	K/L-Line1	K-Line2	K/L-Line2	J1708- 1	J1708+ 1	J1708- 2	J1708+ 2	Aux 1	Aux 2	Aux 3	Aux 4	GND Black	Power ignition	Power continu	Z	
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Location

Find the CANbus location behind the hatch above the driver seat.



CANbus

Untwist the Yellow and Green wires.

Place the Yellow wire in the CAN High Slot.

Place the Green wire in the CAN Low slot.

Close the CANcliQ.

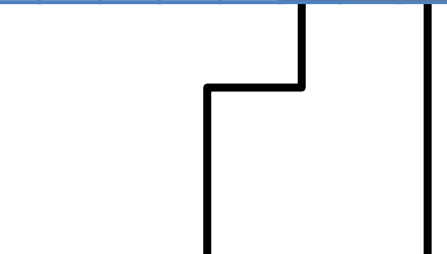
J1708 (id280)

Untwist the Orange and Grey wires.

Place the Orange wire in the CAN High slot

Place the Green wire in the CAN Low slot.

Close the DATAcliQ.



Power + Ground

Connections in OBD connector

Ground (KL31) :

OBD connector pin 4 and pin 5

Continuous Power (KL30) :

Pin 16 wire OBD connector

Volvo 8700 B12BLE 2006-2011

