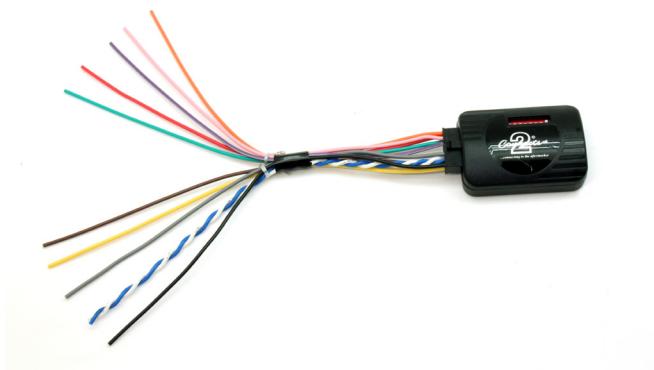




*...connecting to the aftermarket*

## **UNI-SWC.2**

### **Universal Steering Wheel Control for CAN-Bus & Resistive Vehicles**



## **INSTRUCTION MANUAL**

***www.connects2.com***

Designed and  
Engineered  
in the UK.



## ABOUT

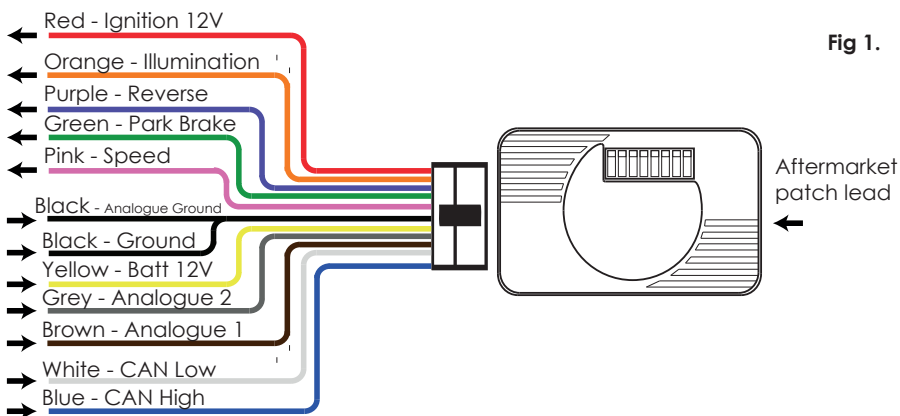
The Connects2 UNI-SWC.2 covers a wide range of both CAN-Bus and resistive vehicles, allowing steering wheel control retention with almost every steering wheel control compatible head unit on the market. A Connects2 head unit specific patch lead (sold separately) is required with this interface.

## Installation

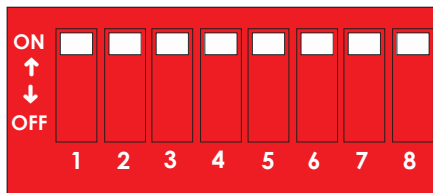
- 1: Remove and disconnect the original head unit.
- 2: Connect the aftermarket patch lead to the UNI-SWC.2 interface.
- 3: Set the correct dipswitch settings on the UNI-SWC.2 (see Fig 2.) according to the vehicle it is being fitted into. See car specific diagrams for further information.
4. Install into the vehicle using Interface Connections (Fig 1.) and the car specific wiring information overleaf.

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

## Interface Connections



## Dipswitch Settings



Set the dipswitches 1-7 according to the car specific settings overleaf.

Set dipswitch 8 to ON when fitting the UNI-SWC.2 interface with a Pioneer head unit.

# Car Specific Dipswitch Settings

| Make       | Model      | Year From | Year To | Dipswitch Settings |    |    |    |    |    |   | Phone Button Support | CAN/Analogue |
|------------|------------|-----------|---------|--------------------|----|----|----|----|----|---|----------------------|--------------|
|            |            |           |         | 1                  | 2  | 3  | 4  | 5  | 6  | 7 |                      |              |
| Audi       | A1         | 2010      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | A3         | 2003      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | A4         | 2002      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | A6         | 2004      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | TT         | 2006      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
| Alfa Romeo | 147        | 2000      | 2007    |                    | On | On | On | On |    |   | ✗                    | Analogue     |
|            | 156        | 2000      |         |                    | On | On | On | On |    |   | ✗                    | Analogue     |
|            | GT         | 2004      | 2008    |                    | On | On | On | On |    |   | ✗                    | Analogue     |
|            | 159        | 2006      |         |                    | On | On |    | On | On |   | ✓                    | CAN          |
|            | Brera      | 2007      |         |                    | On | On |    | On | On |   | ✓                    | CAN          |
|            | 147        | 2007      |         |                    | On | On | On |    | On |   | ✗                    | CAN          |
|            | GT         | 2008      |         |                    | On | On | On |    | On |   | ✗                    | CAN          |
|            | Giulietta  | 2010      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
|            | Mito       | 2008      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
| BMW        | 3 Series   | 1999      | 2005    | On                 |    | On | On |    | On |   | ✓                    | i-Bus        |
|            | 5 Series   | 1996      | 2004    | On                 |    | On | On |    | On |   | ✓                    | i-Bus        |
|            | 7 Series   | 1994      | 2001    | On                 |    | On | On |    | On |   | ✓                    | i-Bus        |
|            | Mini       | 2001      | 2006    | On                 |    | On | On |    | On |   | ✓                    | i-Bus        |
|            | Z4         | 2002      | 2008    | On                 |    | On | On |    | On |   | ✓                    | i-Bus        |
|            | X3         | 2004      |         | On                 |    | On | On |    | On |   | ✓                    | CAN          |
|            | X5         | 1999      | 2006    | On                 |    | On | On |    | On |   | ✓                    | CAN          |
|            | 1 Series   | 2004      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | 3 Series   | 2005      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | 5 Series   | 2004      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | 6 Series   | 2003      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | 7 Series   | 2002      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | Mini       | 2006      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
|            | Z4         | 2009      |         | On                 | On |    | On | On | On |   | ✓                    | CAN          |
| Chery      | Tigo       | 2013      |         |                    |    | On |    | On | On |   | ✗                    | Analogue     |
| Citroen    | C2         | 2005      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
|            | C4         | 2004      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
|            | C5         | 2005      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
|            | C8         | 2005      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
|            | DS3        | 2009      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
|            | C3 Picasso | 2009      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
|            | C4 Picasso | 2006      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
|            | C3         | 2006      |         |                    | On |    |    | On | On |   | ✗                    | CAN          |
| Chevrolet  | Captiva    | 2006      |         |                    |    | On | On |    | On |   | ✓                    | Analogue     |
|            | Aveo       | 2002      | 2011    |                    |    | On | On |    | On |   | ✓                    | Analogue     |
|            | S10        | 2012      |         | On                 | On |    |    | On |    |   |                      | Analogue     |
|            | Spark      | 2013      |         |                    |    | On | On |    |    |   | ✓                    | Analogue     |
|            | Sonic      | 2013      |         |                    |    | On | On |    |    |   | ✓                    | Analogue     |
| Fiat       | 500        | 2007      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
|            | Punto      | 2005      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
|            | Ducato     | 2011      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
|            | Idea       | 2006      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
|            | Doblo      | 2009      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
|            | Qubo       | 2007      |         |                    | On | On | On | On | On |   | ✓                    | CAN          |
|            | Bravo      | 2007      |         |                    | On | On |    | On | On |   | ✓                    | CAN          |
|            | Stilo      | 2001      | 2007    |                    | On | On |    | On | On |   | ✓                    | CAN          |
|            | Panda      | 2007      | 2012    |                    | On | On |    |    | On |   | ✗                    | CAN          |

# Car Specific Dipswitch Settings

| Make       | Model           | Year From | Year To | Dipswitch Settings |    |    |    |    |    |   | Phone Button Support | CAN/Analogue |
|------------|-----------------|-----------|---------|--------------------|----|----|----|----|----|---|----------------------|--------------|
|            |                 |           |         | 1                  | 2  | 3  | 4  | 5  | 6  | 7 |                      |              |
| Ford       | Fiesta          |           | 2003    |                    |    | On |    |    | On |   | ✗                    | Analogue     |
|            | Galaxy          |           | 2006    |                    |    | On |    |    | On |   | ✗                    | Analogue     |
|            | Puma            | 1997      | 2002    |                    |    | On |    |    | On |   | ✗                    | Analogue     |
|            | Transit         | 1996      | 2005    |                    |    | On |    |    | On |   | ✗                    | Analogue     |
|            | Focus           |           | 2004    |                    |    | On |    |    | On |   | ✗                    | Analogue     |
|            | Mondeo          |           | 2004    |                    |    | On |    |    | On |   | ✗                    | Analogue     |
|            | C-Max           | 2004      | 2011    |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Fiesta          | 2005      | 2008    |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Fusion          | 2005      |         |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Galaxy          | 2006      |         |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | S-Max           | 2006      |         |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Transit         | 2005      |         |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Kuga            | 2008      | 2012    |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Transit Connect | 2004      |         |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Focus           | 2004      | 2011    |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Mondeo          | 2004      |         |                    | On |    | On | On | On |   | ✗                    | CAN/Analogue |
|            | Fiesta          | 2006      | 2008    |                    | On | On |    |    |    |   | ✗                    | Analogue     |
|            | Fusion          | 2002      | 2005    |                    | On | On |    |    |    |   | ✗                    | Analogue     |
| Great Wall | Steed           | 2011      |         | On                 |    | On |    |    | On |   | ✗                    | Analogue     |
|            | Wingle          | 2011      |         | On                 |    | On |    |    | On |   | ✗                    | Analogue     |
| Honda      | City            | 2008      |         | On                 | On | On |    | On | On |   | ✗                    | Analogue     |
|            | Civic           | 2005      | 2012    | On                 | On | On |    | On | On |   | ✗                    | Analogue     |
|            | CR-V            | 2007      | 2009    | On                 | On | On |    | On | On |   | ✗                    | Analogue     |
|            | S2000           | 2005      |         | On                 | On | On |    | On | On |   | ✗                    | Analogue     |
|            | Amaze           | 2012      |         | On                 | On | On |    | On | On |   | ✗                    | Analogue     |
|            | Civic           | 2012      |         | On                 |    | On |    |    |    |   | ✓                    | CAN          |
| Hyundai    | i30             | 2007      | 2009    |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | Santa Fe        | 2006      | 2010    |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | i10             | 2009      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | i20             | 2009      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | i30             | 2009      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | IX20            | 2010      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | Santa Fe        | 2010      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | i40             | 2011      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | ix35            | 2010      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | i800            | 2007      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | Santa Fe        | 2013      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | IX45            | 2013      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | i30             | 2012      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
| Isuzu      | i40             | 2012      |         |                    |    |    |    | On |    |   | ✓                    | Analogue     |
|            | D-Max           | 2012      |         | On                 | On |    |    | On |    |   | ✓                    | Analogue     |
| Jac Motors | J3              | 2013      |         | On                 | On |    | On |    |    |   | ✗                    | Analogue     |
| Jaguar     | XJ8             | 1998      | 2003    |                    |    | On |    | On |    |   | ✓                    | Analogue     |
|            | X Type          |           |         | On                 |    |    |    |    | On |   | ✓                    | Analogue     |
|            | S Type          |           |         | On                 |    |    |    |    | On |   | ✓                    | Analogue     |
| Kia        | Cee'd           | 2007      | 2009    | On                 | On | On | On |    | On |   | ✓                    | Analogue     |
|            | Cee'd           | 2009      | 2012    | On                 | On | On | On | On |    |   | ✓                    | Analogue     |
|            | Soul            | 2009      | 2011    | On                 | On | On | On | On |    |   | ✓                    | Analogue     |
|            | Sorento         | 2009      | 2011    | On                 | On | On | On | On |    |   | ✓                    | Analogue     |
|            | Venga           | 2009      |         | On                 | On | On | On | On |    |   | ✓                    | Analogue     |
|            | Sportage        | 2010      |         | On                 | On | On | On |    | On |   | ✓                    | Analogue     |
|            | Soul            | 2012      |         | On                 | On | On | On |    | On |   | ✓                    | Analogue     |
|            | Picanto         | 2011      |         | On                 | On | On | On |    | On |   | ✓                    | Analogue     |
|            | Cee'd           | 2013      |         | On                 | On | On | On |    | On |   | ✓                    | Analogue     |
|            | Rio             | 2011      |         | On                 | On | On | On |    | On |   | ✓                    | Analogue     |

# Car Specific Dipswitch Settings

| Make         | Model             | Year From | Year To | Dipswitch Settings |    |    |    |    |    |   | Phone Button Support | CAN/Analogue |
|--------------|-------------------|-----------|---------|--------------------|----|----|----|----|----|---|----------------------|--------------|
|              |                   |           |         | 1                  | 2  | 3  | 4  | 5  | 6  | 7 |                      |              |
| Land Rover   | Discovery         | 2001      | 2004    |                    |    |    |    |    | On |   | ✖                    | Analogue     |
|              | Freelander        | 2001      | 2003    |                    |    |    |    |    | On |   | ✖                    | Analogue     |
|              | Discovery         | 2003      |         |                    |    |    |    |    | On |   | ✖                    | Analogue     |
|              | Freelander        | 2006      |         |                    |    |    |    |    | On |   | ✓                    | CAN          |
|              | Range Rover Sport | 2005      | 2013    |                    |    |    | On |    |    |   | ✓                    | CAN          |
| Lifan Motors | 620               | 2009      |         | On                 |    | On |    | On |    |   | ✖                    | Analogue     |
|              | 720               | 2012      |         | On                 |    | On |    | On |    |   | ✖                    | Analogue     |
| Mahindra     | Scorpio           | 2006      |         | On                 |    | On |    | On | On |   | ✓                    | Analogue     |
| Mercedes     | A Class           | 2004      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | B Class           | 2005      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | C Class           | 2004      | 2007    | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | Sprinter          | 2006      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | Viano             | 2004      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | R Class           | 2005      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | Vito              | 2004      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | Viano             | 2004      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | Vito              | 2004      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | E Class           | 2002      | 2008    | On                 |    | On | On | On | On |   | ✓                    | CAN          |
| Mitsubishi   | SLK               | 2002      |         | On                 |    | On | On | On | On |   | ✓                    | CAN          |
|              | Lancer            | 2007      | 2010    | On                 |    |    | On | On |    |   | ✓                    | Analogue     |
|              | Outlander         | 2007      | 2010    | On                 |    |    | On | On |    |   | ✓                    | Analogue     |
|              | ASX               | 2010      |         |                    | On | On |    | On |    |   | ✓                    | Analogue     |
|              | Lancer            | 2010      |         |                    | On | On |    | On |    |   | ✓                    | Analogue     |
|              | Outlander         | 2010      |         |                    | On | On |    | On |    |   | ✓                    | Analogue     |
|              | Pajero            | 2013      |         |                    | On | On |    | On |    |   | ✓                    | Analogue     |
|              | Shogun            | 2013      |         |                    | On | On |    | On |    |   | ✓                    | Analogue     |
| Mazda        | Outlander         | 2013      |         | On                 |    |    | On |    |    |   | ✓                    | CAN/Analogue |
|              | 2                 | 2007      |         |                    | On |    | On |    |    |   | ✖                    | Analogue     |
|              | 6                 | 2007      | 2009    |                    | On |    |    |    | On |   | ✖                    | CAN/Analogue |
|              | 3                 | 2004      | 2008    |                    | On |    | On | On |    |   | ✖                    | CAN/Analogue |
|              | CX-7              | 2008      |         |                    | On |    |    | On |    |   | ✖                    | CAN/Analogue |
|              | CX-9              | 2007      |         |                    | On |    |    | On |    |   | ✖                    | CAN/Analogue |
| Nissan       | Qashqai           | 2007      |         |                    |    |    | On |    | On |   | ✓                    | Analogue     |
|              | X-Trail           | 2009      |         |                    |    |    | On |    | On |   | ✓                    | Analogue     |
|              | Navara            | 2010      |         |                    |    |    | On |    | On |   | ✓                    | Analogue     |
|              | Micra             | 2007      | 2010    |                    |    |    | On |    | On |   | ✓                    | Analogue     |
|              | Juke              | 2010      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | Micra             | 2010      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | Sunny             | 2012      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | March             | 2010      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | Pulse             | 2011      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | Evalia            | 2013      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | Versa             | 2008      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | Note              | 2009      |         | On                 |    | On | On |    |    |   | ✓                    | Analogue     |
|              | X-Trail           |           |         |                    | On | On | On |    |    |   | ✖                    | Analogue     |
| Peugeot      | 206               | 1998      | 2002    |                    | On |    |    |    |    |   | ✖                    | Analogue     |
|              | 306               | 1998      | 2002    |                    | On |    |    |    |    |   | ✖                    | Analogue     |
|              | 3008              | 2009      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 807               | 2005      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 407               | 2004      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 207               | 2006      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 308               | 2008      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 307               | 2005      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 607               | 2004      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 208               | 2012      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | 5008              | 2009      | 2013    |                    | On |    |    | On | On |   | ✖                    | CAN          |
|              | RCZ               | 2010      |         |                    | On |    |    | On | On |   | ✖                    | CAN          |

# Car Specific Dipswitch Settings

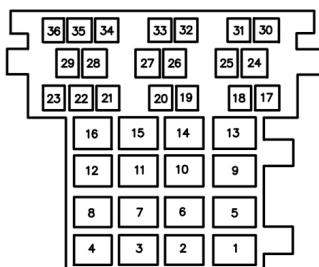
| Make      | Model          | Year From | Year To | Dipswitch Settings |    |    |    |    |    |    | Phone Button Support | CAN/Analogue |
|-----------|----------------|-----------|---------|--------------------|----|----|----|----|----|----|----------------------|--------------|
|           |                |           |         | 1                  | 2  | 3  | 4  | 5  | 6  | 7  |                      |              |
| Porsche   | Cayenne        | 2002      |         | On                 | On |    | On | On | On |    | ✗                    | CAN          |
|           | Cayenne        | 2007      | 2010    | On                 | On |    | On | On | On |    | ✗                    | CAN          |
| Proton    | GEN-2          | 2004      |         | On                 | On | On |    |    | On |    | ✗                    | Analogue     |
| Renault   | Clio           | 2005      |         |                    |    |    | On | On | On |    | ✗                    | CAN          |
|           | Megane         | 2005      | 2008    |                    |    |    | On | On | On |    | ✗                    | CAN          |
|           | Modus          | 2005      |         |                    |    |    | On | On | On |    | ✗                    | CAN          |
|           | Twingo         | 2007      |         |                    |    |    | On | On | On |    | ✗                    | CAN          |
|           | Scenic         | 2005      |         |                    |    |    | On | On | On |    | ✗                    | CAN          |
|           | Laguna         | 2005      | 2007    |                    |    |    | On | On | On |    | ✗                    | CAN          |
|           | Clio           | 2009      |         |                    |    |    |    | On | On |    | ✓                    | CAN          |
|           | Megane         | 2008      | 2012    |                    |    |    |    | On | On |    | ✓                    | CAN          |
|           | Wind           | 2010      |         |                    |    |    |    | On | On |    | ✓                    | CAN          |
|           | Fluence        | 2010      |         |                    |    |    |    | On | On |    | ✓                    | CAN          |
|           | Scenic         | 2009      |         |                    |    |    |    | On | On |    | ✓                    | CAN          |
|           | Trafic         | 2010      | 2013    |                    |    |    |    | On | On |    | ✓                    | CAN          |
|           | Laguna         | 2008      |         |                    |    |    |    | On | On |    | ✓                    | CAN          |
| Rover     | 75             |           | 2003    |                    |    |    |    |    | On |    | ✗                    | Analogue     |
| Saab      | 9-3            | 2008      |         | On                 | On | On | On | On | On | On | ✓                    | CAN          |
|           | 9-5            | 2008      |         | On                 | On | On | On | On | On | On | ✓                    | CAN          |
| Scania    | R Series       | 2004      |         | On                 |    |    | On | On | On |    | ✗                    | CAN          |
| Skoda     | Octavia        | 2008      | 2013    | On                 | On |    |    | On | On |    | ✗                    | CAN          |
|           | Fabia          | 2013      |         | On                 | On |    |    | On | On |    | ✗                    | CAN          |
|           | Rapid          | 2010      |         | On                 | On |    |    | On | On |    | ✗                    | CAN          |
|           | Yeti           | 2010      |         | On                 | On |    |    | On | On |    | ✗                    | CAN          |
|           | Superb         | 2004      | 2013    | On                 | On |    |    | On | On |    | ✗                    | CAN          |
| Seat      | Altea          | 2004      |         | On                 | On |    |    | On | On |    |                      | CAN          |
|           | Ibiza          | 2008      |         | On                 | On |    |    | On | On |    |                      | CAN          |
|           | Leon           | 2005      |         | On                 | On |    |    | On | On |    |                      | CAN          |
|           | Toledo         | 2004      |         | On                 | On |    |    | On | On |    |                      | CAN          |
|           | Exeo           | 2009      |         | On                 | On |    | On | On | On |    | ✓                    | CAN          |
| Subaru    | Forester       | 2007      |         | On                 |    |    |    | On | On |    | ✓                    | Analogue     |
|           | Impreza        | 2007      | 2012    | On                 |    |    |    | On | On |    | ✓                    | Analogue     |
|           | Impreza        | 2012      |         | On                 |    |    |    | On |    |    | ✓                    | Analogue     |
|           | XV             | 2012      |         | On                 |    |    |    | On |    |    | ✓                    | Analogue     |
|           | Forester       | 2012      |         | On                 |    |    |    | On |    |    | ✓                    | Analogue     |
|           | Outback        | 2012      |         | On                 |    |    |    | On |    |    | ✓                    | Analogue     |
| SsangYong | Actyon         | 2006      |         |                    |    |    | On | On |    |    | ✗                    | Analogue     |
|           | Rexton         | 2007      |         |                    |    |    | On | On |    |    | ✗                    | Analogue     |
|           | Korando Sport  | 2012      |         |                    |    |    | On | On |    |    | ✗                    | Analogue     |
|           | Rodius         | 2013      |         |                    |    |    | On | On |    |    | ✗                    | Analogue     |
|           | Korando        | 2010      |         | On                 |    | On | On | On |    |    | ✓                    | Analogue     |
|           | Korando        | 2010      |         |                    |    |    | On | On |    |    | ✗                    | Analogue     |
|           | Korando Sport  | 2012      |         |                    |    | On | On | On |    |    | ✓                    | Analogue     |
|           | Rexton         | 2007      |         |                    |    | On | On | On |    |    | ✓                    | Analogue     |
|           | Rexton W       | 2013      |         |                    |    | On | On | On |    |    | ✓                    | Analogue     |
|           | Actyon         | 2012      |         |                    |    | On | On | On |    |    | ✓                    | Analogue     |
|           | Rodius Turismo | 2013      |         |                    |    | On | On | On |    |    | ✓                    | Analogue     |

# Car Specific Dipswitch Settings

| Make          | Model        | Year From | Year To | Dipswitch Settings |    |    |    |    |    |   | Phone Button Support | CAN/Analogue |
|---------------|--------------|-----------|---------|--------------------|----|----|----|----|----|---|----------------------|--------------|
|               |              |           |         | 1                  | 2  | 3  | 4  | 5  | 6  | 7 |                      |              |
| Suzuki        | Swift        | 2006      |         | On                 |    |    | On |    | On |   | ✓                    | Analogue     |
|               | Grand Vitara | 2005      |         | On                 |    |    | On |    | On |   | ✓                    | Analogue     |
|               | SX4          | 2006      |         | On                 |    |    | On |    | On |   | ✓                    | Analogue     |
|               | Dzire        | 2008      | 2010    | On                 |    |    | On |    | On |   | ✓                    | Analogue     |
|               | Ritz         | 2009      |         | On                 |    |    | On |    | On |   | ✓                    | Analogue     |
|               | Splash       | 2009      |         | On                 |    |    | On |    | On |   | ✓                    | Analogue     |
| Tata          | Ertiga       | 2012      |         | On                 |    |    | On |    | On |   | ✓                    | Analogue     |
|               | Vista        | 2012      |         |                    | On |    | On |    | On |   | ✓                    | Analogue     |
|               | Manza        | 2012      |         |                    | On |    | On |    | On |   | ✓                    | Analogue     |
| Toyota        | Indigo       | 2006      |         |                    | On |    | On |    | On |   | ✓                    | Analogue     |
|               | Avensis      | 2001      | 2011    | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Corolla      | 2001      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | RAV4         | 2001      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Yaris        | 2001      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | 4Runner      | 2002      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Avanza       | 2003      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Estima       | 2006      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Previa       | 2006      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Fortuner     | 2005      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Innova       | 2006      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Landcruiser  | 2007      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Prado        | 2007      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Matrix       | 2003      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
|               | Vios         | 2006      |         | On                 | On | On |    | On |    |   | ✓                    | Analogue     |
| VW            | Passat       | 2005      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Golf         | 2004      | 2012    | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Transporter  | 2005      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Polo         | 2004      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Jetta        | 2005      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | EOS          | 2006      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Tiguan       | 2007      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Amarok       | 2011      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Passat       | 2005      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Touran       | 2004      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Scirocco     | 2008      |         | On                 | On |    | On | On |    |   | ✓                    | CAN          |
|               | Touareg      | 2003      |         | On                 | On |    |    |    | On |   | ✗                    | CAN          |
| Vauxhall/Opel | Multivan     | 2003      |         | On                 | On |    |    |    | On |   | ✗                    | CAN          |
|               | Gol          | 2012      |         |                    |    | On |    |    |    |   | ✓                    | CAN          |
|               | Astra        |           | 2004    |                    |    | On |    | On | On |   | ✗                    | Analogue     |
|               | Meriva       | 2003      | 2007    |                    |    | On |    | On | On |   | ✗                    | Analogue     |
|               | Zafira       |           | 2005    |                    |    | On |    | On | On |   | ✗                    | Analogue     |
|               | Vivaro       | 2002      | 2007    |                    |    | On |    | On | On |   | ✗                    | Analogue     |
|               | Corsa        | 2000      | 2006    |                    |    | On |    | On | On |   | ✗                    | Analogue     |
|               | Omega        | 2000      | 2004    |                    |    | On |    | On | On |   | ✗                    | Analogue     |
|               | Vectra       |           | 2004    |                    |    | On |    | On | On |   | ✗                    | Analogue     |
|               | Antara       | 2007      | 2010    |                    |    | On | On | On | On |   | ✓                    | CAN          |
|               | Astra        | 2004      | 2010    |                    |    | On | On | On | On |   | ✓                    | CAN          |
|               | Meriva       | 2007      | 2010    |                    |    | On | On | On | On |   | ✓                    | CAN          |
|               | Signum       | 2005      |         |                    |    | On | On | On | On |   | ✓                    | CAN          |
|               | Tigra        | 2005      |         |                    |    | On | On | On | On |   | ✓                    | CAN          |
|               | Zafira       | 2005      | 2012    |                    |    | On | On | On | On |   | ✓                    | CAN          |
|               | Corsa        | 2006      | 2009    |                    |    | On | On | On | On |   | ✓                    | CAN          |
|               | Vectra       | 2004      |         |                    |    | On | On | On | On |   | ✓                    | CAN          |

## Car Specific Wiring Information

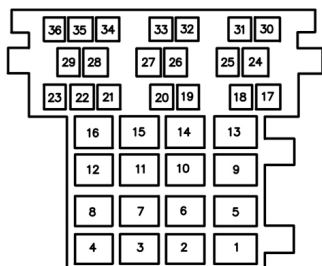
All connectors are shown from the terminal side and NOT the wire side



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

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

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



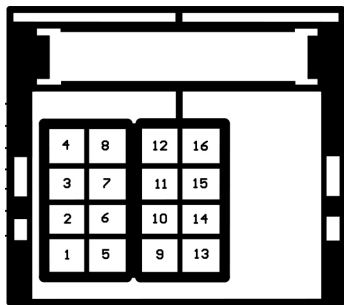
Mini-ISO Vehicles

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

# Car Specific Wiring Information

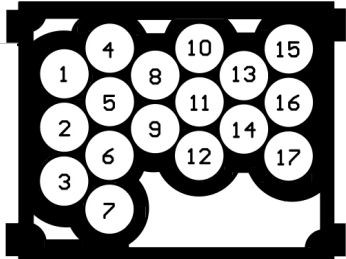
All connectors are shown from the terminal side and NOT the wire side

Audi Continued...



Audi CAN-Bus Quadlock

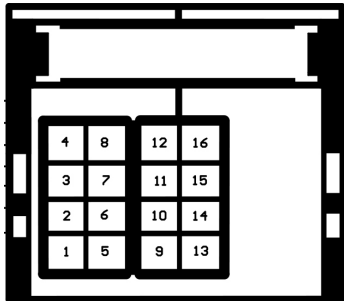
| Audi CAN-Bus Quadlock |            |
|-----------------------|------------|
| Interface Wire        | Pin Number |
| CAN High              | 9          |
| CAN Low               | 10         |
| Batt 12V              | 15         |
| Ground                | 12         |



17 Way Round Pin  
i-Bus Vehicles

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

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



40 Way Flat Pin Quadlock  
i-Bus Vehicles

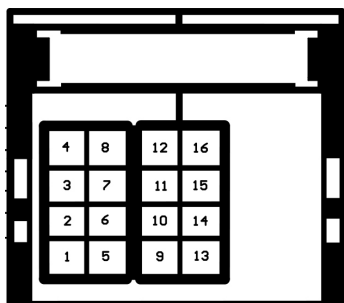
| 40 Way i-Bus Vehicles |            |
|-----------------------|------------|
| Interface Wire        | Pin Number |
| Analogue 2            | 9          |
| Batt 12V              | 15         |
| Ground                | 12         |

## Car Specific Wiring Information

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All connectors are shown from the terminal side and NOT the wire side

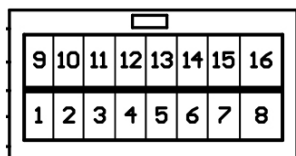
BMW Continued...



Quadlock  
CAN-Bus Vehicles

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

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

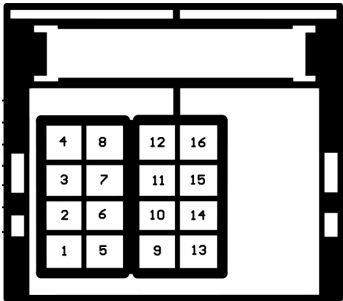


16 Way Kenwood  
Connector

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

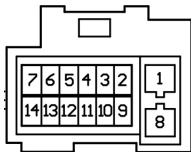
# Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

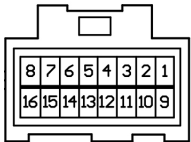


Quadlock  
CAN-Bus Vehicles

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

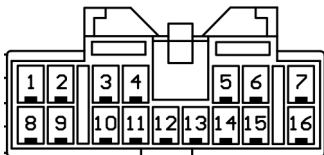


A



B

| Aveo, Captiva   |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| Analogue 2      | B12        |
| Analogue Ground | A12        |
| Batt 12V        | A1         |
| Ground          | A8         |

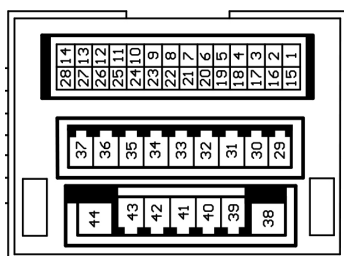


| S10             |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| Analogue 1      | 5          |
| Analogue Ground | 13         |
| Batt 12V        | 14         |
| Ground          | 10         |

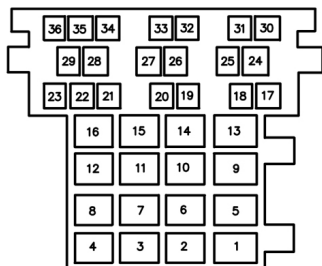
## Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

Chevrolet Continued...



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



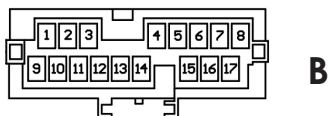
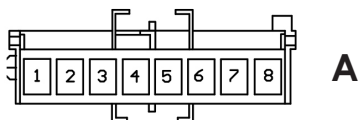
Mini-ISO Connector

| 500, Bravo, Punto, Ducato, Idea, Doblo, Stilo |            |
|---|------------|
| Interface Wire                                | Pin Number |
| CAN High                                      | 5          |
| CAN Low                                       | 6          |
| Batt 12V                                      | 2          |
| Ground  | 4          |

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

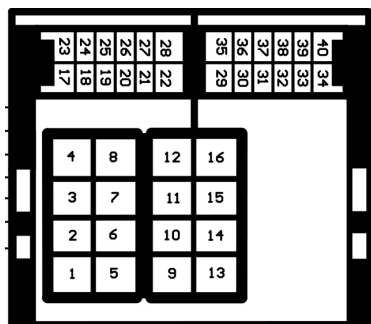
## Car Specific Wiring Information

**All connectors are shown from the terminal side and NOT the wire side**



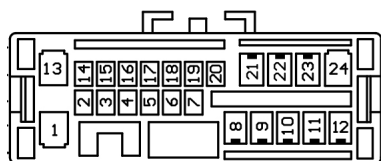
## Old Style Analogue Vehicles

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



## Quadlock CAN-Bus Vehicles

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

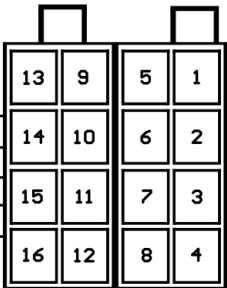


Fiesta/Fusion

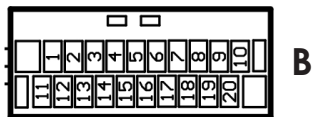
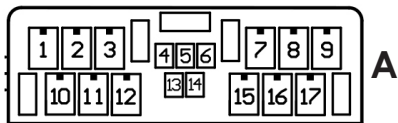
| Fiesta/Fusion Analogue |            |
|------------------------|------------|
| Interface Wire         | Pin Number |
| Analogue 1             | 18         |
| Analogue Ground        | 19         |
| Batt 12V               | 1          |
| Ground                 | 13         |

# Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

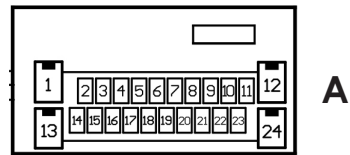


| Steed, Wingle   |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| Analogue 2      | 1          |
| Analogue Ground | 5          |
| Batt 12V        | 8          |
| Ground          | 4          |



Analogue Vehicles

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



Civic CAN-Bus 2012>

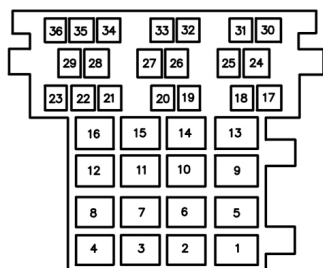
| Civic CAN-Bus 2012> |            |
|---------------------|------------|
| Interface Wire      | Pin Number |
| CAN High            | B13        |
| CAN Low             | B3         |
| Batt 12V            | A13        |
| Ground              | A1         |

## Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

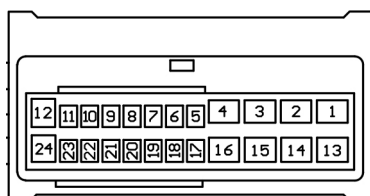


# HYUNDAI



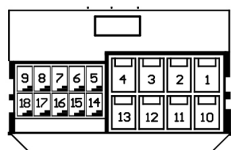
Mini-ISO Connector

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

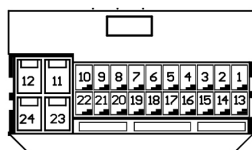


Santa Fe 2006-2010

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



**A**



**B**

Hyundai White Connector

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

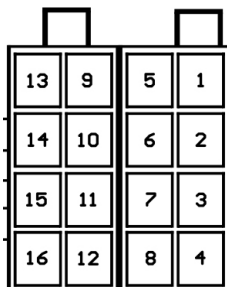
## Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

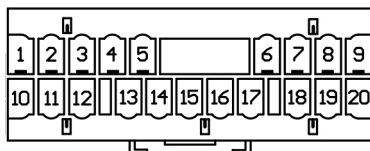
# ISUZU



| D-Max 2012>     |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| Analogue 1      | 5          |
| Analogue Ground | 13         |
| Batt 12V        | 14         |
| Ground          | 10         |



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

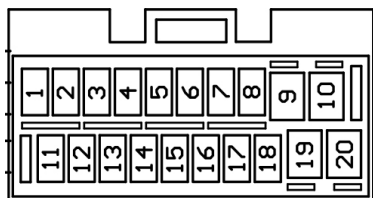


| XJ8 1998-2003   |                    |
|-----------------|--------------------|
| Interface Wire  | Pin Number         |
| Analogue 2      | 2                  |
| Analogue Ground | To vehicle chassis |
| Batt 12V        | 10                 |
| Ground          | To vehicle chassis |

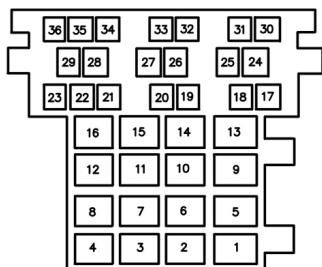
## Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

Jaguar Continued...

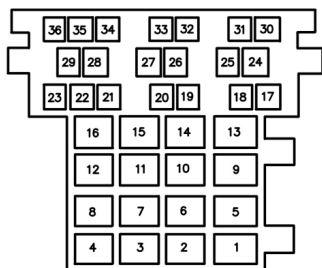


| S/X Type        |                    |
|-----------------|--------------------|
| Interface Wire  | Pin Number         |
| Analogue 1      | 13                 |
| Analogue Ground | To vehicle chassis |
| Batt 12V        | 20                 |
| Ground          | 10                 |



Cee'd 2007-2009

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



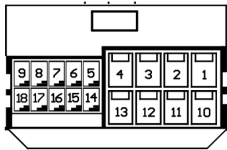
Mini-ISO Vehicles

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

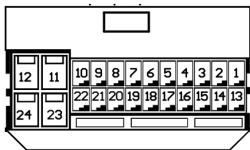
# Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

Kia Continued...



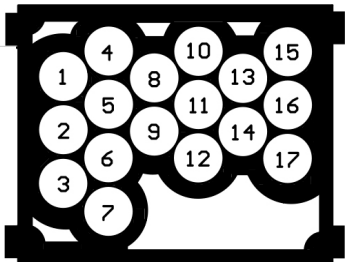
A



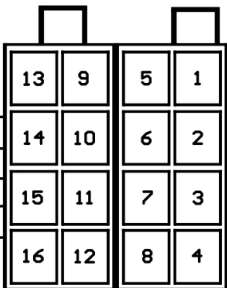
B

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

Kia White Connector



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



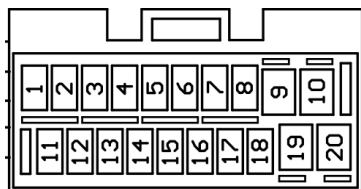
| Land Rover Discovery 2003> |                    |
|----------------------------|--------------------|
| Interface Wire             | Pin Number         |
| Analogue 1                 | 1                  |
| Analogue Ground            | To vehicle chassis |
| Batt 12V                   | 2        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

Land Rover Discovery 2003>

## Car Specific Wiring Information

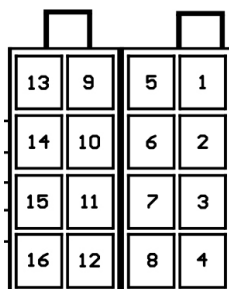
All connectors are shown from the terminal side and NOT the wire side

Land Rover Continued...



Freelanders/Range Rover Sport  
CAN-Bus

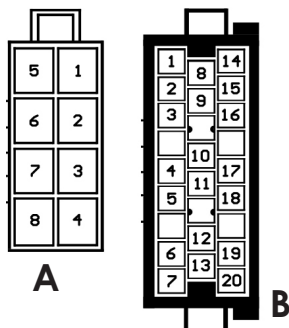
| Freelanders/Range Rover Sport CAN-Bus |            |
|---------------------------------------|------------|
| Interface Wire                        | Pin Number |
| CAN High                              | 2          |
| CAN Low                               | 1          |
| Analogue 2                            | 13         |
| Analogue Ground                       | 10         |
| Batt 12V                              | 20         |
| Ground                                | 10         |



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



**Mahindra**



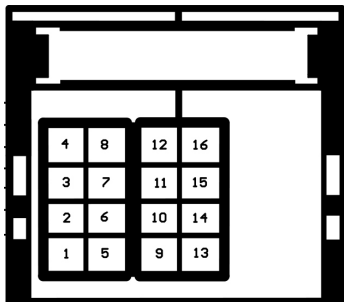
| Scorpio         |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| Analogue 1      | A1         |
| Analogue Ground | A6         |
| Batt 12V        | A8         |
| Ground          | A4         |

# Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

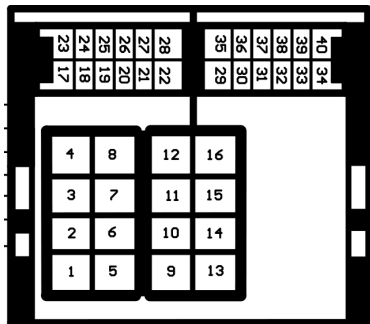


Mercedes-Benz



A, B, C, Sprinter,  
Viano, R Class  
Quadlock

| A, B, C, Sprinter, Viano, R<br>Class Quadlock |            |
|---|------------|
| Interface Wire                                | Pin Number |
| CAN High                                      | 11         |
| CAN Low                                       | 9          |
| Batt 12V                                      | 15         |
| Ground  | 12         |



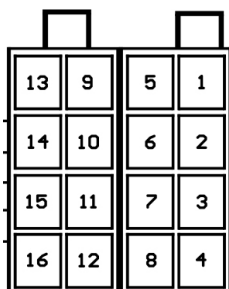
E Class/SLK  
Quadlock

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

## Car Specific Wiring Information

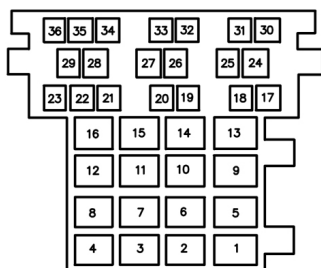
All connectors are shown from the terminal side and NOT the wire side

Mercedes Continued...



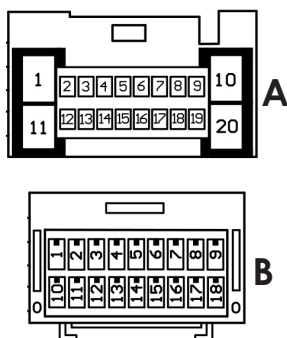
8 Way ISO CAN-Bus  
Vehicles

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



Mini-ISO CAN-Bus  
Vehicles

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



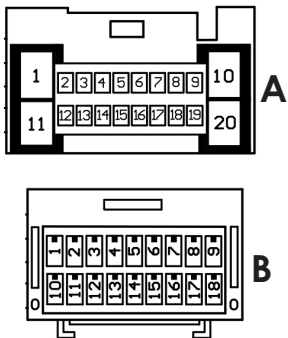
Outlander/Lancer 2007-2010

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

# Car Specific Wiring Information

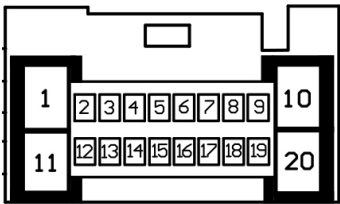
All connectors are shown from the terminal side and NOT the wire side

Mitsubishi Continued...



ASX, Lancer, Outlander 2010>  
Pajero, Shogun 2013>

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



Outlander 2013>

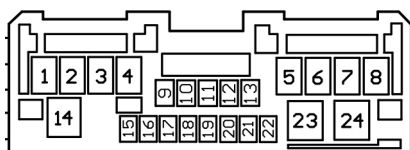
| Outlander 2013> |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| CAN High        | 8          |
| CAN Low         | 18         |
| Analogue 1      | 9          |
| Analogue Ground | 11         |
| Batt 12V        | 1          |
| Ground          | 11         |

## Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

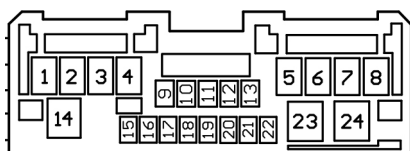


**mazda**



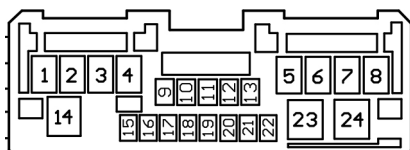
2 2007>

| 2 2007>         |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| Analogue 1      | 12         |
| Analogue Ground | 13         |
| Batt 12V        | 14         |
| Ground          | 24         |



6 2007-2009

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



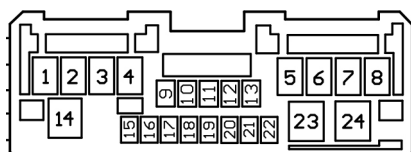
3 2004-2008

| 3 2004-2008     |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| Analogue 1      | 12         |
| Analogue Ground | 13         |
| Batt 12V        | 14         |
| Ground          | 24         |

## Car Specific Wiring Information

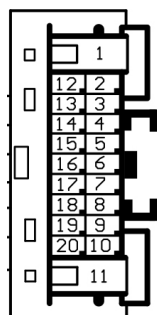
All connectors are shown from the terminal side and NOT the wire side

Mitsubishi Continued...



CX-7, CX-9

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

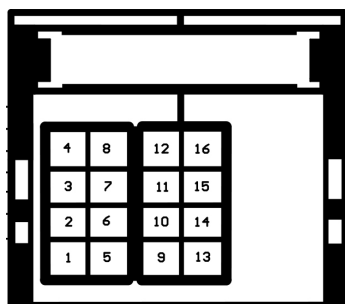


All Models

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



PEUGEOT

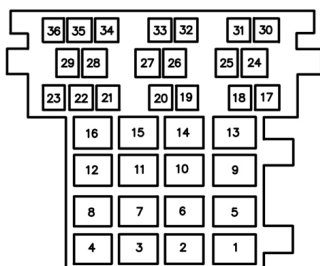


Quadlock  
CAN-Bus Vehicles

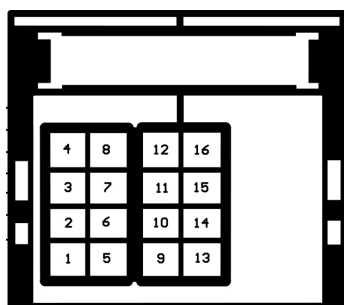
| Quadlock CAN-Bus Vehicles |            |
|---------------------------|------------|
| Interface Wire            | Pin Number |
| CAN High                  | 10         |
| CAN Low                   | 13         |
| Batt 12V                  | 12         |
| Ground                    | 16         |

## Car Specific Wiring Information

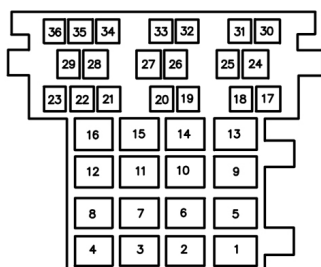
All connectors are shown from the terminal side and NOT the wire side



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



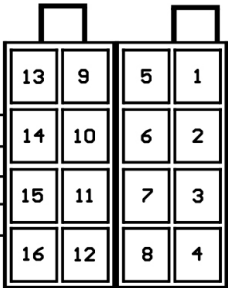
| Cayenne 2002-2007 Quadlock |            |
|----------------------------|------------|
| Interface Wire             | Pin Number |
| CAN High                   | 11         |
| CAN Low                    | 9          |
| Batt 12V                   | 12         |
| Ground                     | 15   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



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

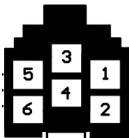
# Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side



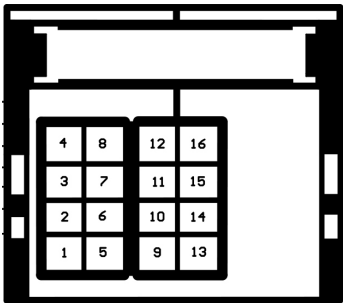
A

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



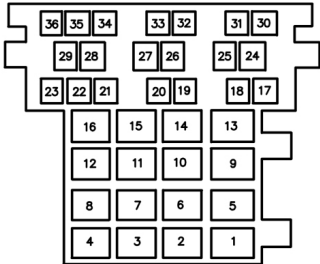
B

Mini-ISO with 'Update List' OEM head unit



CAN-Bus Quadlock

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

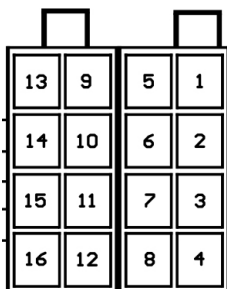


CAN-Bus Mini-ISO

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

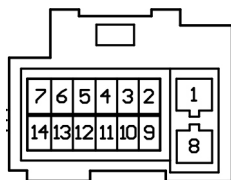
## Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side



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

Rover 75 with Highline OEM head unit

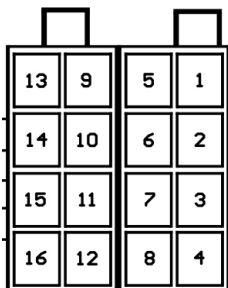


Saab 9.3/9.5 2008>

| Saab 9.3/9.5 2008> |               |
|--------------------|---------------|
| Interface Wire     | Pin Number    |
| CAN High           | 13            |
| CAN Low            | Not connected |
| Batt 12V           | 1             |
| Ground             | 8             |



**SCANIA**



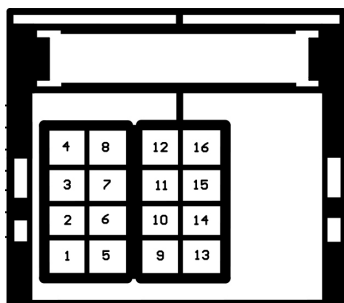
| Scania R Series |            |
|-----------------|------------|
| Interface Wire  | Pin Number |
| CAN High        | 5          |
| CAN Low         | 1          |
| Batt 12V        | 2          |
| Ground          | 4          |

## Car Specific Wiring Information

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All connectors are shown from the terminal side and NOT the wire side

### ŠKODA

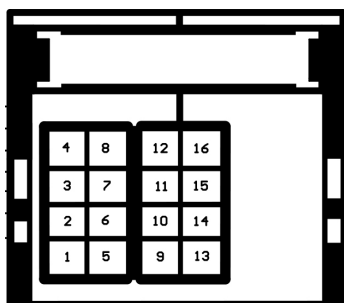


Skoda CAN-Bus Quadlock

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



### SEAT

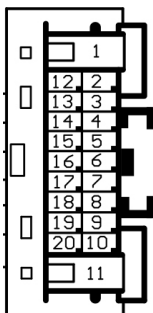


Seat CAN-Bus Quadlock

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

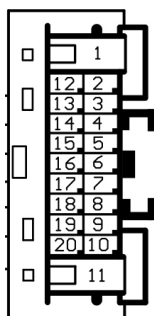
## Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side



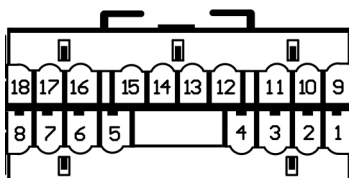
Forester/Impreza  
2007-2012

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



Impreza, Forester,  
Outback, XV 2012>

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

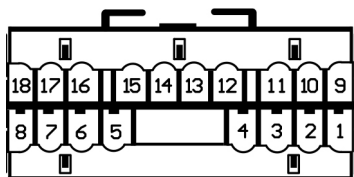


| Actyon 2006>, Rexton 2007>, Korando Sport 2012, Rodius 2013> |            |
|--|------------|
| Interface Wire   | Pin Number |
| Analogue 1   | 16         |
| Analogue Ground  | 14         |
| Batt 12V   | 5          |
| Ground   | 14         |

## Car Specific Wiring Information

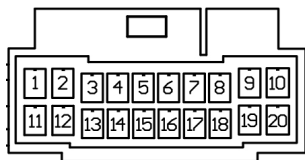
All connectors are shown from the terminal side and NOT the wire side

Ssangyong Continued...

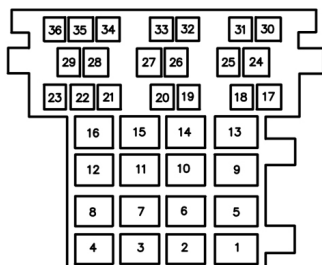


All other Ssangyong models

| All other Ssangyong models |            |
|----------------------------|------------|
| Interface Wire             | Pin Number |
| Analogue 2                 | 16         |
| Analogue Ground            | 13         |
| Batt 12V                   | 5          |
| Ground                     | 14         |



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



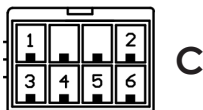
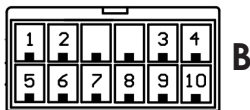
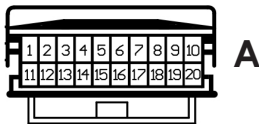
| Tata Vista, Manza, Indigo |            |
|---------------------------|------------|
| Interface Wire            | Pin Number |
| Analogue 2                | 20         |
| Analogue Ground           | 27         |
| Batt 12V                  | 2          |
| Ground                    | 4          |

# Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

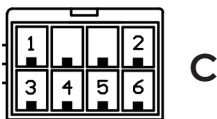
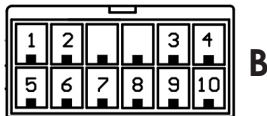
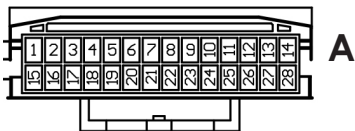


TOYOTA



Toyota <2011

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

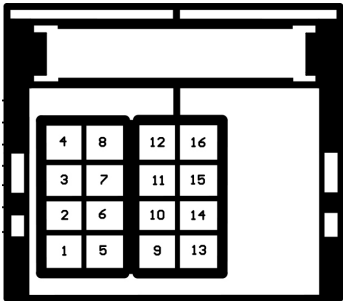


Toyota 2011>

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

# Car Specific Wiring Information

All connectors are shown from the terminal side and NOT the wire side

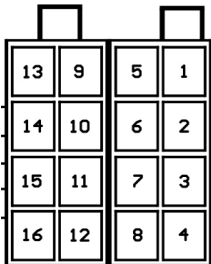


| VW CAN-Bus Quadlock |            |
|---------------------|------------|
| Interface Wire      | Pin Number |
| CAN High            | 9          |
| CAN Low             | 10         |
| Batt 12V            | 15         |
| Ground              | 12         |

VW CAN-Bus All Models  
Quadlock

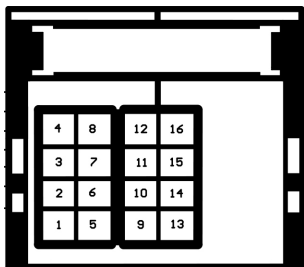


VAUXHALL



Vauxhall/Opel Analogue

| Vauxhall/Opel Analogue |            |
|------------------------|------------|
| Interface Wire         | Pin Number |
| Analogue 1             | 1          |
| Analogue Ground        | 7          |
| Batt 12V               | 8          |
| Ground                 | 4          |



Vauxhall/Opel CAN-Bus

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