

Car Specific installation manual

AP900-series Drive by Wire Cruise Control & Speed Limiter

For installations with wiring harness
No. **190-500225W**



Contents

AUDI: A6 (4B) 2.4 V6 (2001-2004)	5
BMW: 1 3, 5, 6, 7 series	6
Mini: One, Cooper, Cooper S	6
CHRYSLER: PT Cruiser 2000-2006	6
JEEP: Cherokee 1.8 CRD, 2.8 CRD (<2008)	8
MAZDA: 6 (2002-2008)	9
SSANGYONG: Rexton 230	10
JAGUAR: S-Type (MY1998), X-Type 2001-	11
MERCEDES: Vito <2006, Sprinter (1995-2006)	12
PORSCHE: Boxster	13
PORSCHE: 996 Carrera (MY2000), Boxter S	14
SMART: ForTwo <2007	15
HONDA: Jazz 2006-2008	16
HONDA Civic <2006, Accord 2006-2008, CRV <2006, FRV ...	17
LAND ROVER: Discovery (2004-2010)	18
LAND ROVER: Freelander (1997-2003)	19
LAND ROVER: FREELANDER (2003-2006)	20
FORD: FIËSTA (2002-2008), FUSION (Europe)	20
MAZDA: 2 / DEMIO (2002-2007)	20
OPEL: ASTRA DTI (1998-2004), ZAFIRA (<2005)	21
OPEL: FRONTERA	22
ALFA: 147, 156 (1997-2002)	23
MITSUBISHI FUSO: Canter 2012> (Euro-5, Euro-6)	24
MITSUBISHI: GRANDIS	25
SUBARU: LEGACY	26
FIAT: Marea (1999-)	27

Safety and Installation AP900-series products

Warning!

Improper cable connection may result in short circuits, which can cause:

- Cable Fires
- Damage to electronic control equipment
- Failure of electrical functions
- Failure of engine management

Work safe and solder all electrical connection, insulate solder joints with suitable insulation tape or shrink tube.

Avoid short circuits! Always disconnect the negative battery pole before starting the installation.

Caution 1!

All the volatile memories of the convenience electronics will lose their stored data upon disconnection of the car battery.

Following equipment may have to be reprogrammed:

- Radio code
- Clock
- Board Computer
- Seat position
- Timer

Caution 2!

Only use a Diode Test Lamp, Voltmeter or Scope to check the voltage in electric wiring. Test lamps containing a bulb may damage car electronics!

Recommendation: Temporarily install the electronic module at the selected position. DO NOT firmly screw the electronic module down unless you have easy access to the electronic module. After the installation has been completed, the electronic module can be screwed tight at the selected position.

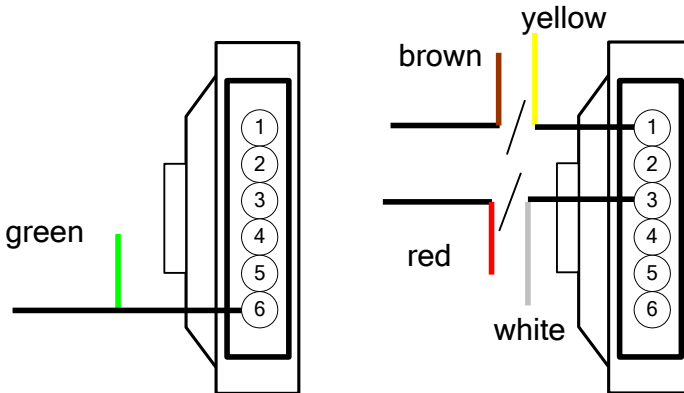
AUDI: A6 (4B) 2.4 V6 (2001-2004)

- Disconnect car battery
- Disconnect the connector (6-pole) from accelerator pedal
- Solder Green wire on wire position 6 from the connector pedal (fig.1)
- Cut wire position 1 from accelerator pedal. Solder Yellow wire on wire position 1 connector side. Solder Brown wire on wire position 1 main harness side (fig.2)
- Cut wire position 3 from accelerator pedal. Solder White wire on wire position 3 connector side. Solder Red wire on wire position 3 main harness side (fig.2)

! Note : Solder wires 1 by 1 to avoid errors!

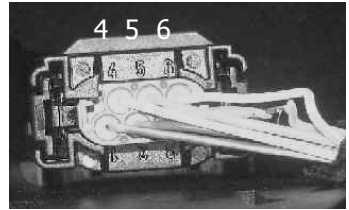
- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect T-harness to the AP900 Module

Restore battery connection!



BMW: 1 3, 5, 6, 7 series

Mini: One, Cooper, Cooper S



- Disconnect car battery
- Disconnect the connector (6-pole) from accelerator pedal
- Solder Green wire on wire position 1 from the connector pedal (fig.2)
- Cut wire position 6 from accelerator pedal. Solder Yellow wire on wire position 6 at connector side. Solder Brown wire on wire position 6 of the main harness side (fig.2)
- Cut wire position 4 from accelerator pedal. Solder White wire on wire position 4 connector side. Solder Red wire on wire position 4 main harness side (fig.1)

! Note : Solder wires 1 by 1 to avoid errors!

- Connect T-harness to AP900 Module
- Restore battery connection.

Fig.1

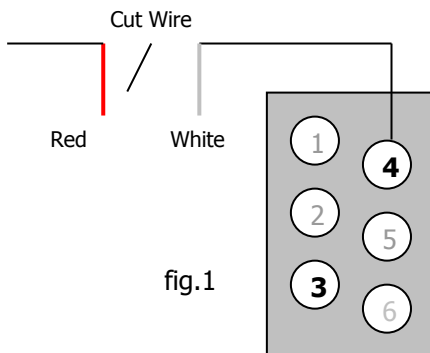
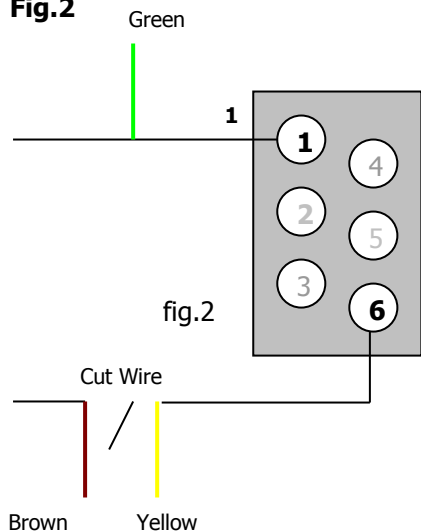


Fig.2

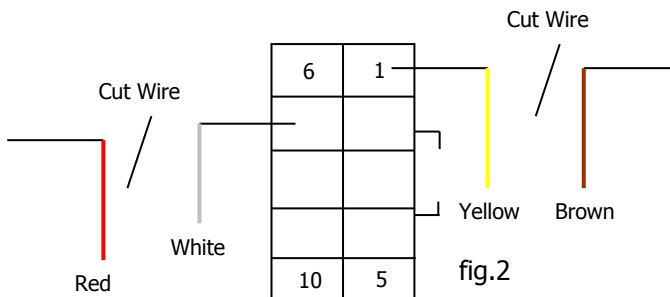
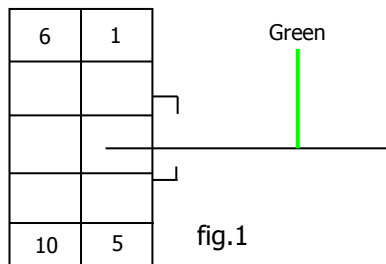


CHRYSLER: PT Cruiser 2000-2006

- Disconnect car battery.
- Disconnect the connector (10-pole) from accelerator pedal.
- Solder the green wire on wire position 3 from the connector pedal (fig.1).
- Cut the wire from position 1 of the pedal connector. Solder the yellow on wire position 1 at the connector side. Solder the brown wire on position 1 at the main harness side (fig.2).
- Cut the wire from position 7 of the pedal connector. Solder the white wire on position 7 at the connector side. Solder the red wire on position 7 at the main harness side (fig.2).
- Connect T-harness to AP900 Module

! Note: Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (10-pole) to the accelerator pedal.
- Restore battery connection!

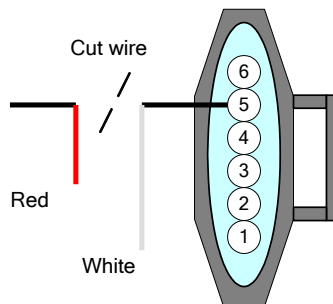
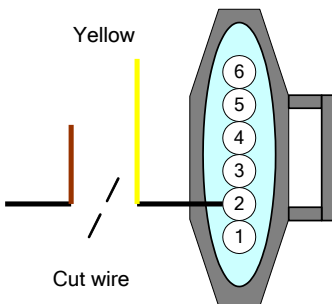
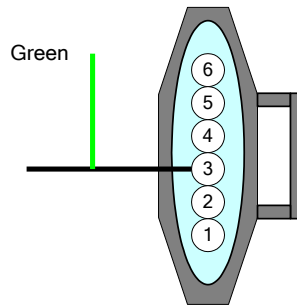


JEEP: Cherokee 1.8 CRD, 2.8 CRD (<2008)

- Disconnect car battery.
- Disconnect the connector (6-pole) from the accelerator pedal.
- Solder the green wire on wire position 3 from the connector pedal (fig.1).
- Cut the wire from position 2 of the pedal connector. Solder the yellow on wire position 2 at the connector side. Solder the brown wire on position 2 at the main harness side (fig.2).
- Cut the wire from position 5 of the pedal connector. Solder the white wire on position 5 at the connector side. Solder the red wire on position 5 at the main harness side (fig.3).

! Note: Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect T-harness to AP900 Module
- Restore battery connection!

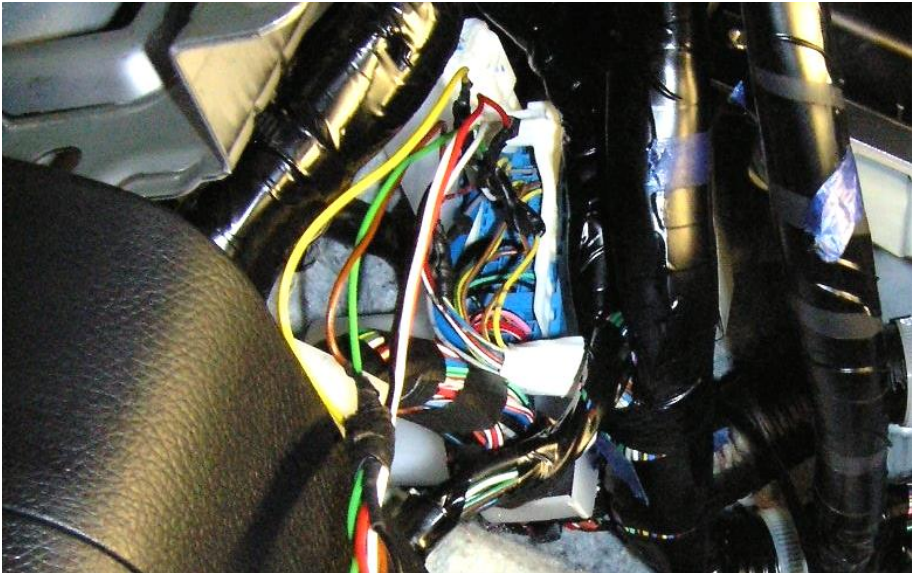


MAZDA: 6 (2002-2008)

- Disconnect car battery
- Locate the multi-connector at the A-pillar underneath the dashboard (left on LHD vehicles)
- Locate the wires coming from the accelerator pedal: yellow, blue/yellow, brown/yellow, red/green, white and grey.
- Solder the green wire onto the red/green wire.
- Cut the white wire. Solder the white wire onto the wire end coming from the accelerator pedal. Solder the red wire on the wire end running to the multiconnector.
- Cut the blue/yellow wire. Solder the yellow wire onto the wire end coming from the accelerator pedal. Solder the brown wire on the wire end running to the multiconnector.

! Note : Solder wires 1 by 1 to avoid errors!

- Connect T-harness to the AP900 Module
- Restore battery connection!



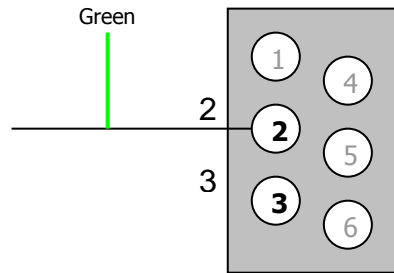
SSANGYONG: Rexton 230

- Disconnect car battery
- Disconnect the connector (6-pole) from accelerator pedal
- Solder Green wire on wire position 2 from the connector pedal (fig.1)
- Cut wire from position 4 of the accelerator pedal. Solder the Yellow wire on position 4 at the connector side. Solder the Brown wire on position 4 at the wire harness side (fig.2)
- Cut wire from position 1 of the accelerator pedal. Solder White on position 1 at the connector side. Solder the Red wire on wire position 1 at the wire harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

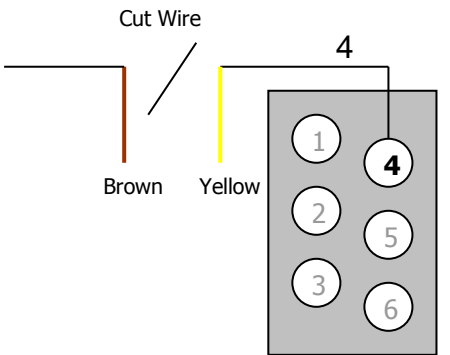
- Re-connect the connector (6-pole) to the accelerator pedal
- Connect T-harness to AP900 Module
- Restore battery connection!

fig.1



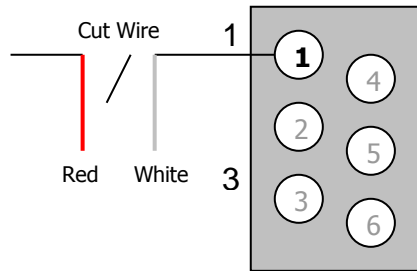
Connector wire side

Pin no.	Wire colour SsangYong 230
1	Green/Brown
2	Yellow/Red
3	Red/Yellow
4	Yellow/Black
5	Brown
6	Bleu/Green



Connector wire side

fig.2



Connector wire side

fig.3

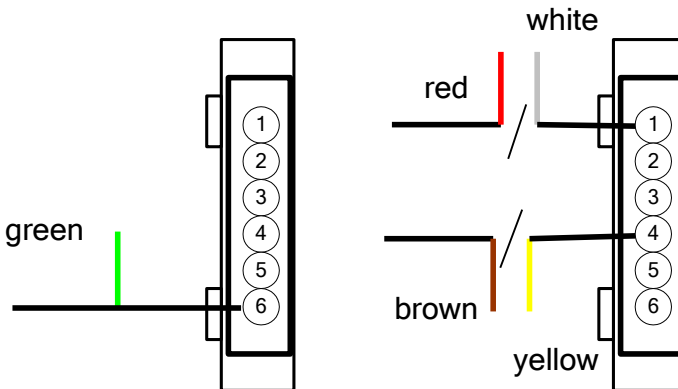
JAGUAR: S-Type (MY1998), X-Type 2001-

- Disconnect car battery
- Disconnect connector (6-pole) from the accelerator pedal.
- Solder the green wire on wire position 6 from the connector pedal
- Cut the wire from position 4 of the pedal connector. Solder the yellow on wire position 4 at the connector side. Solder the brown wire on position 4 at the main harness side
- Cut the wire from position 1 of the pedal connector. Solder the white wire on position 1 at the connector side. Solder the red wire on position 1 at the main harness side.

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect T-harness to AP900 Module.

Restore battery connection!



MERCEDES: Vito <2006, Sprinter (1995-2006)

- Disconnect car battery
- Disconnect the connector (5-pole) from the accelerator pedal.
- Solder the green wire on wire position 4 from the connector pedal (fig.1).
- Cut the wire from position 5 of the pedal connector. Solder the yellow wire on wire position 5 at the connector side. Solder the brown wire on wire position 5 at the main harness side (fig.2)
- Cut the wire from position 3 of the pedal connector. Solder the white wire on wire position 3 at the connector side. Solder the red wire on position 3 at the main harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (5-pole) to the accelerator pedal.
- Connect the T-harness to AP900 Module.
- Restore battery connection!

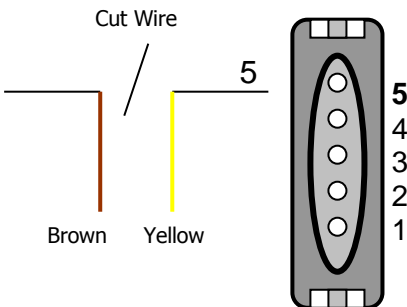
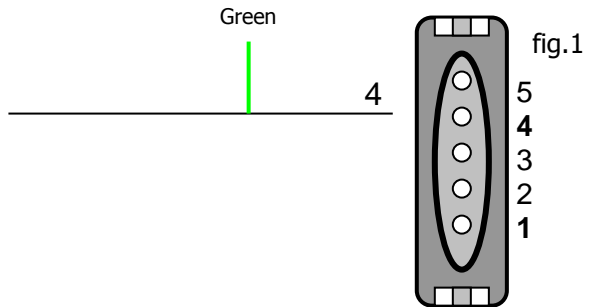


fig.2

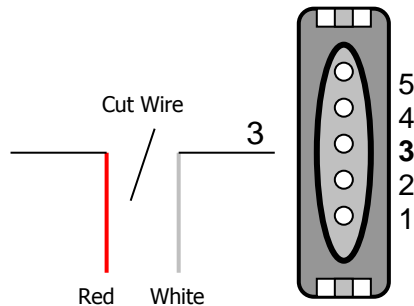


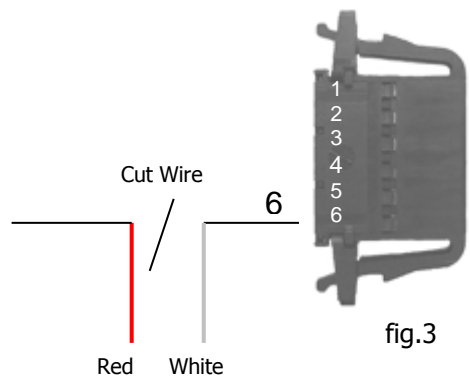
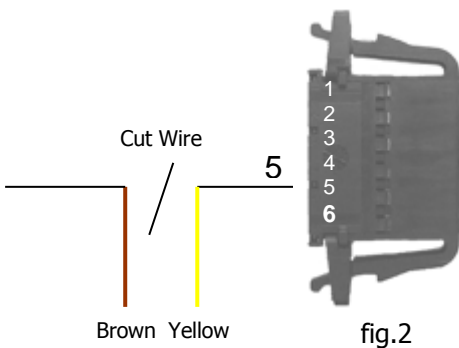
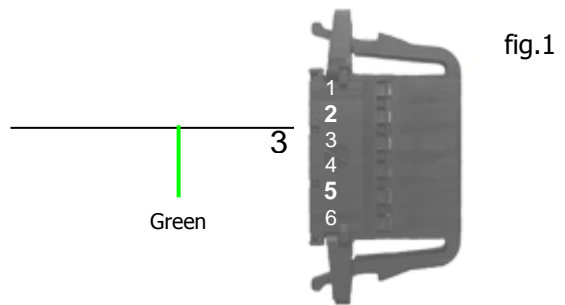
fig.3

PORSCHE: Boxster

- Disconnect car battery
- Disconnect connector (6-pole) from the accelerator pedal.
- Solder the green wire on wire position 3 from the connector pedal (fig.1)
- Cut the wire from position 5 of the pedal connector. Solder the yellow on wire position 5 at the connector side. Solder the brown wire on position 5 at the main harness side (fig.2)
- Cut the wire from position 6 of the pedal connector. Solder the white wire on position 6 at the connector side. Solder the red wire on position 6 at the main harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect T-harness to AP900 Module.
- Restore battery connection!

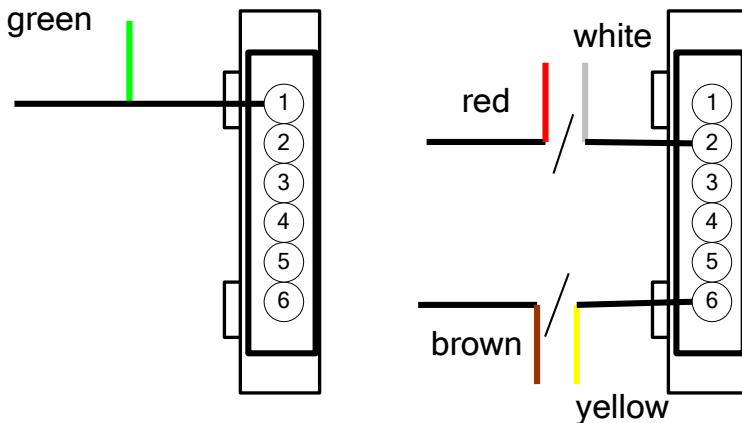


PORSCHE: 996 Carrera (MY2000), Boxter S

- Disconnect car battery
- Disconnect connector (6-pole) from the accelerator pedal.
- Solder the green wire on wire position 1 from the connector pedal
- Cut the wire from position 6 of the pedal connector. Solder the yellow on wire position 6 at the connector side. Solder the brown wire on position 6 at the main harness side
- Cut the wire from position 2 of the pedal connector. Solder the white wire on position 2 at the connector side. Solder the red wire on position 2 at the main harness side

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
 - Connect T-harness to AP900 Module.
- Restore battery connection!

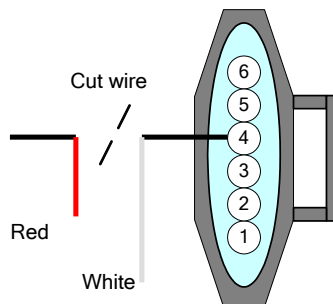
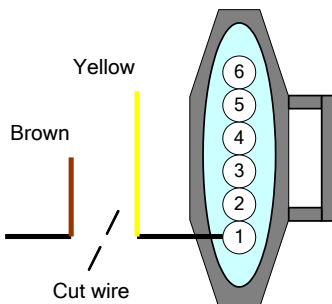
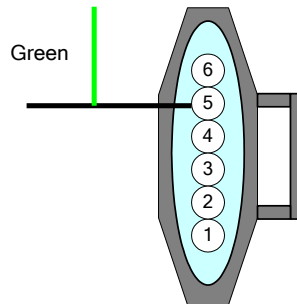


SMART: ForTwo <2007

- Disconnect car battery.
- Disconnect the connector (6-pole) from the accelerator pedal.
- Solder the green wire on wire position 5 from the connector pedal (fig.1).
- Cut the wire from position 1 of the pedal connector. Solder the yellow on wire position 1 at the connector side. Solder the brown wire on position 1 at the main harness side (fig.2).
- Cut the wire from position 4 of the pedal connector. Solder the white wire on position 4 at the connector side. Solder the red wire on position 4 at the main harness side (fig.3).

! Note: Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect T-harness to AP900 Module
- Restore battery connection!



HONDA: Jazz 2006-2008

- Disconnect car battery
- Disconnect the connector (6-pole) in the wire from accelerator pedal to throttle actuator. This connector is mounted in the motor compartment on the partition wall (fig.1)
- Solder the green wire on wire position 1 from the connector (fig.2)
- Cut the wire from position 5 of the connector. Solder the yellow wire on wire position 5 at the connector side. Solder the brown wire on wire position 5 at the main harness side (fig.3)
- Cut the wire from position 3 of the connector. Solder the white wire on wire position 3 at the connector side. Solder the red wire on position 3 at the main harness side (fig.4)

! Note: Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) on the accelerator pedal wire.
- Connect the T-harness to AP900 Module
- Restore battery connection!

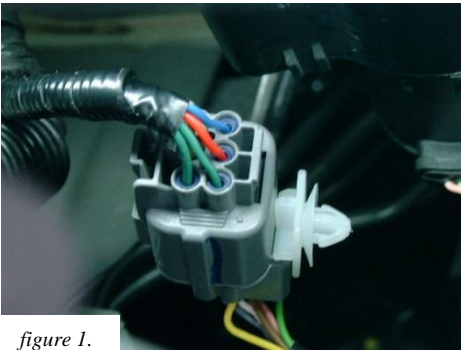


figure 1.

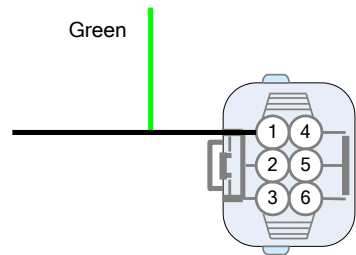


figure 2.

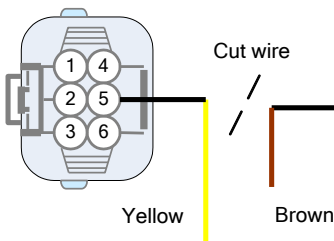


figure 3.

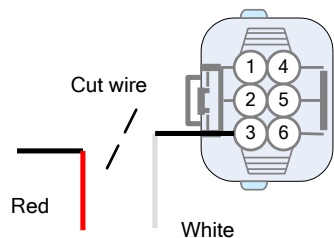


figure 4.

HONDA Civic <2006, Accord 2006-2008, CRV <2006, FRV

Note:

Extend all wires to the potentiometer in the engine bay

- Disconnect car battery
- Disconnect connector A (6-pole) from accelerator pedal
- Solder the green wire on wire position 1 from the connector pedal (fig.1)
- Cut the wire from position 4 of the pedal connector. Solder the yellow wire on wire position 4 at the connector side. Solder the brown wire on wire position 4 at the main harness side (fig.2)
- Cut the wire from position 3 of the pedal connector. Solder the white wire on wire position 3 at the connector side. Solder the red wire on position 3 at the main harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

- Connect the T-harness to AP800 Electronic Interface Module
- Restore battery connection!



Fig. 1

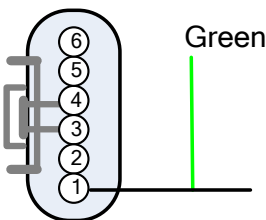
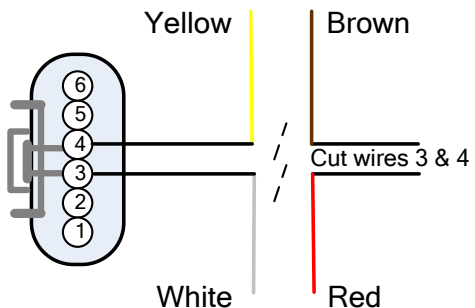


Fig. 2



LAND ROVER: Discovery (2004-2010)

- Disconnect car battery
- Disconnect the connector (8-pole) from the accelerator pedal
- Solder the green wire on wire position 1 from the connector (fig.1)
- Cut the wire from position 5 of the connector. Solder the yellow wire on wire position 5 at the connector side. Solder the brown wire on wire position 5 at the main harness side (fig.2)
- Cut the wire from position 2 of the connector. Solder the white wire on wire position 2 at the connector side. Solder the red wire on position 2 at the main harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (8-pole) to the accelerator pedal.
- Connect the T-harness to the AP900 Module
- Restore battery connection!

Fig. 1.

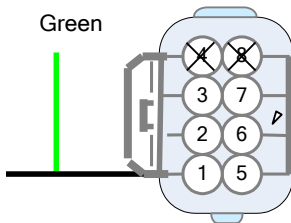


Fig. 2.

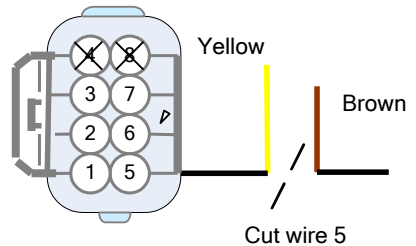
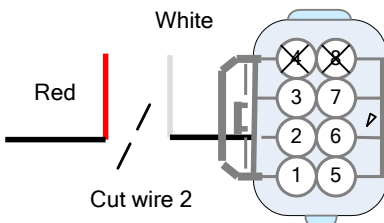


Fig. 3.



LAND ROVER: Freelander (1997-2003)

- Disconnect car battery
- Disconnect the connector (8-pole) from the accelerator pedal
- Solder the green wire on wire position 4 from the connector (fig.1)
- Cut the wire from position 5 of the connector. Solder the yellow wire on wire position 5 at the connector side. Solder the brown wire on wire position 5 at the main harness side (fig.2)
- Cut the wire from position 1 of the connector. Solder the white wire on wire position 1 at the connector side. Solder the red wire on position 2 at the main harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (8-pole) to the accelerator pedal.
- Connect the T-harness to the AP900 Module
- Restore battery connection!

Fig. 1.

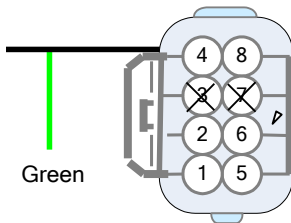


Fig. 2.

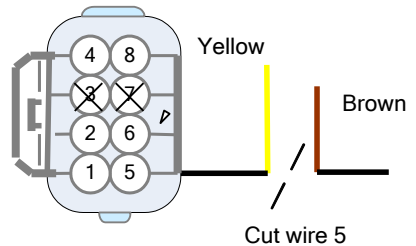
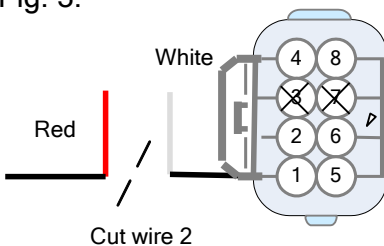


Fig. 3.



LAND ROVER: FREELANDER (2003-2006)
FORD: FIESTA (2002-2008), FUSION (Europe)
MAZDA: 2 / DEMIO (2002-2007)

- Disconnect car battery
- Disconnect the connector (6-pole) from the accelerator pedal
- Solder the green wire on wire position 5 from the connector (fig.1)
- Cut the wire from position 6 of the connector. Solder the yellow wire on wire position 6 at the connector side. Solder the brown wire on wire position 6 at the main harness side (fig.2)
- Cut the wire from position 3 of the connector. Solder the white wire on wire position 3 at the connector side. Solder the red wire on position 3 at the main harness side (fig.2)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect the T-harness to the AP900 Module
- Restore battery connection!

Fig. 1

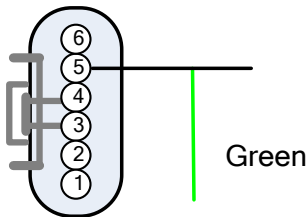
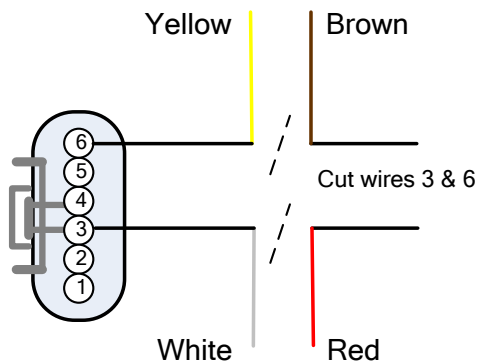


Fig. 2

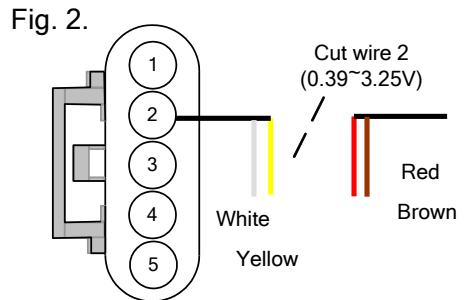
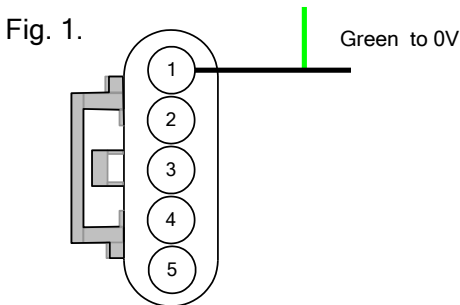


OPEL: ASTRA DTI (1998-2004), ZAFIRA (<2005)

- Disconnect car battery
- Disconnect connector A (6-pole)
- Solder the green wire on wire position 1 from the pedal connector (fig.1)
- Cut the wire from position 2 of the pedal connector. Solder the white + yellow wire on position 2 at the connector side. Solder the red + brown wire on position 2 at the main harness side (fig.2)

! Note : Solder wires 1 by 1 to avoid errors!

- Connect T-harness to the AP900 Module
- Restore battery connection!!

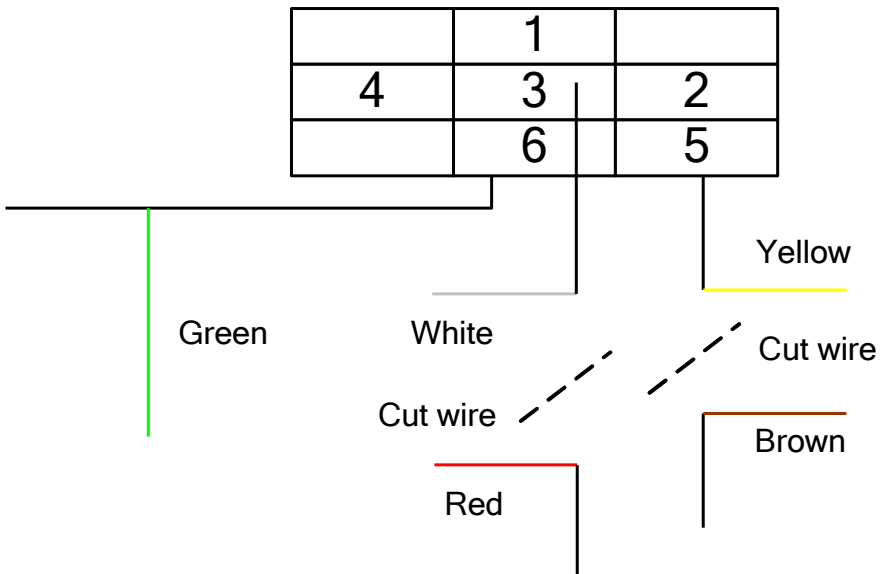


OPEL: FRONTERA

- Disconnect car battery
- Disconnect connector A (6-pole)
- Solder the green wire on wire position 6 from the pedal connector
- Cut the wire from position 5 of the pedal connector. Solder the yellow wire on position 5 at the connector side. Solder the brown wire on wire position 5 at the main harness side
- Cut the wire from position 3 of the pedal connector. Solder the white wire on position 3 at the connector side. Solder the red wire on position 3 at the main harness side

! Note : Solder wires 1 by 1 to avoid errors!

- Connect T-harness to AP900 Module
- Restore battery connection.



ALFA: 147, 156 (1997-2002)

- Disconnect car battery
- Disconnect connector A (6-pole)
- Solder the green wire on wire position 3 from the pedal connector (fig.1)
- Cut the wire from position 4 of the pedal connector. Solder the yellow wire on position 4 at the connector side. Solder the brown wire on wire position 4 at the main harness side (fig.2)
- Cut the wire from position 1 of the pedal connector. Solder the white wire on position 1 at the connector side. Solder the red wire on position 1 at the main harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

- Connect T-harness to the AP900 Module
- Restore battery connection.

Fig. 1.

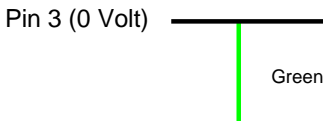


Fig. 2.

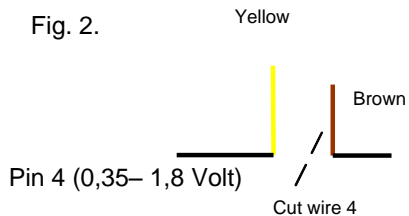


Fig. 3.



MITSUBISHI FUSO: Canter 2012> (Euro-5, Euro-6)

- Disconnect car battery
- Disconnect the connector (6-pole) from the accelerator pedal
- Solder the green wire on wire position 2 from the connector (fig.1)
- Cut the wire from position 1 of the connector. Solder the yellow wire on wire position 1 at the connector side. Solder the brown wire on wire position 1 at the main harness side (fig.2)
- Cut the wire from position 4 of the connector. Solder the white wire on wire position 4 at the connector side. Solder the red wire on position 4 at the main harness side (fig.2)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect the T-harness to the AP900 Module
- Restore battery connection!

Fig. 1

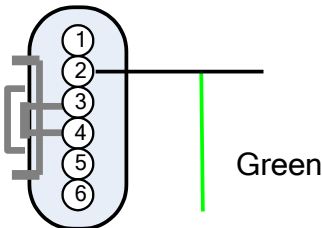
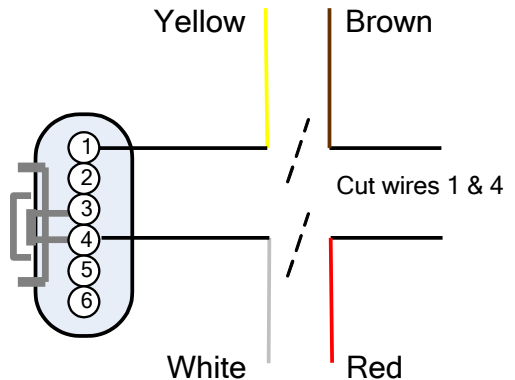


Fig. 2



MITSUBISHI: GRANDIS

- Disconnect car battery
- Disconnect the connector (6-pole) from the accelerator pedal
- Solder the green wire on wire position 5 from the connector (fig.1)
- Cut the wire from position 4 of the connector. Solder the yellow wire on wire position 4 at the connector side. Solder the brown wire on wire position 4 at the main harness side (fig.2)
- Cut the wire from position 1 of the connector. Solder the white wire on wire position 1 at the connector side. Solder the red wire on position 1 at the main harness side (fig.2)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect the T-harness to the AP900 Module
- Restore battery connection!

Fig. 1

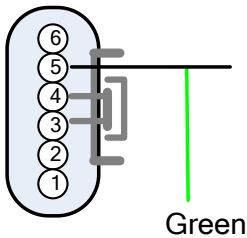
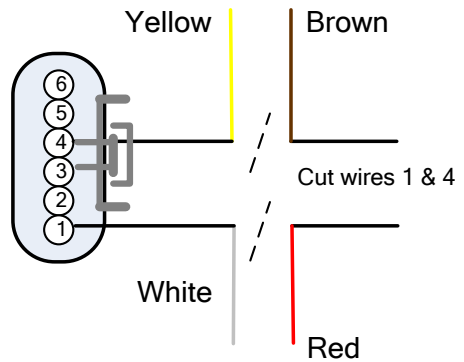


Fig. 2



SUBARU: LEGACY

- Disconnect car battery
- Disconnect the connector (6-pole) from the accelerator pedal
- Solder the green wire on wire position 6 from the connector (fig.1)
- Cut the wire from position 5 of the connector. Solder the yellow wire on wire position 5 at the connector side. Solder the brown wire on wire position 5 at the main harness side (fig.2)
- Cut the wire from position 2 of the connector. Solder the white wire on wire position 2 at the connector side. Solder the red wire on position 2 at the main harness side (fig.2)

! Note : Solder wires 1 by 1 to avoid errors!

- Re-connect the connector (6-pole) to the accelerator pedal.
- Connect the T-harness to the AP900 Module
- Restore battery connection!

Fig. 1

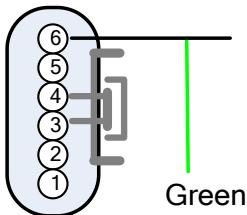
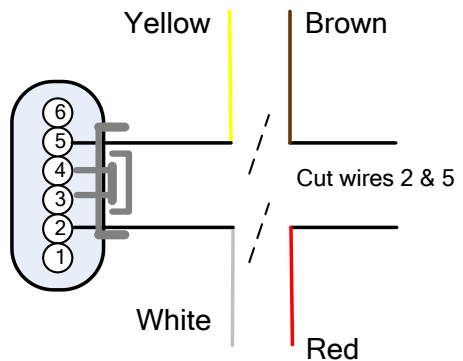


Fig. 2



FIAT: Marea (1999-)

- Disconnect car battery
- Disconnect connector A (6-pole)
- Solder the green wire on wire position 2 from the pedal connector (fig.1)
- Cut the wire from position 4 of the pedal connector. Solder the yellow wire on position 4 at the connector side. Solder the brown wire on wire position 4 at the main harness side (fig.2)
- Cut the wire from position 5 of the pedal connector. Solder the white wire on position 5 at the connector side. Solder the red wire on position 5 at the main harness side (fig.3)

! Note : Solder wires 1 by 1 to avoid errors!

- Connect T-harness to AP800 Electronic Interface Module
- Restore battery connection!!

