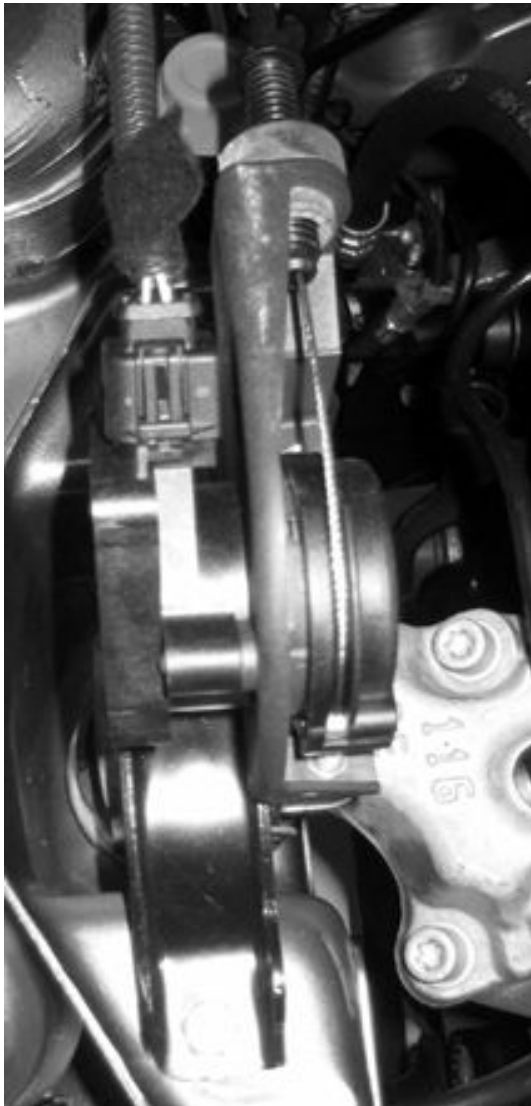


Car Specific Installation manual for AP800 Drive by Wire cruise Control

Only suitable for Peugeot, Citroen, Suzuki Grand Vitara and
Fiat Scudo with potentiometer in engine bay and combination
with Harness No. 190-500050W



1. Safety and General installation AP800 Interface

NOTE!: Before installation AP800 interface read also AP800 Cruise Control kit installation manual

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

The securest form of connection is by soldering the cables and then insulation the connection.

Because of the risk of short circuits, always disconnect the negative pole of the battery before starting installation.

Caution!

On disconnecting the negative pole of the battery, all the volatile memories of the convenience electronics will lose their stored data.

The following equipment may have to be reprogrammed

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

Caution!

To check the voltage in electric cables, use only a diode test lamp, voltmeter or scope. Test lamps, which light up, take too much current and the vehicle electronics may be damaged

Caution!**Electronic interface module AP800:**

The electronic module should always be mounted in the passenger compartment of the car, near the accelerator pedal with the 4mm sheet metal screws. Avoid places with excessive heat, dampness and high-tension leads. The most common mounting locations are under the dashboard on the driver's side, behind the glove compartment or the drivers- or passenger-side kick panels. Do not mount the electronic module in the engine compartment. For mounting, mark holes, center punch and drill the 3mm holes or use the double-sided pad to stick the electronic module to a flat surface. Always check **the other side** for clearance before drilling.

Temporarily install the electronic module in the selected position. DO NOT firmly screw the electronic module down unless you have easy access to the electronic module. Once the installation has been finished, the electronic module can be screwed down in the selected position.

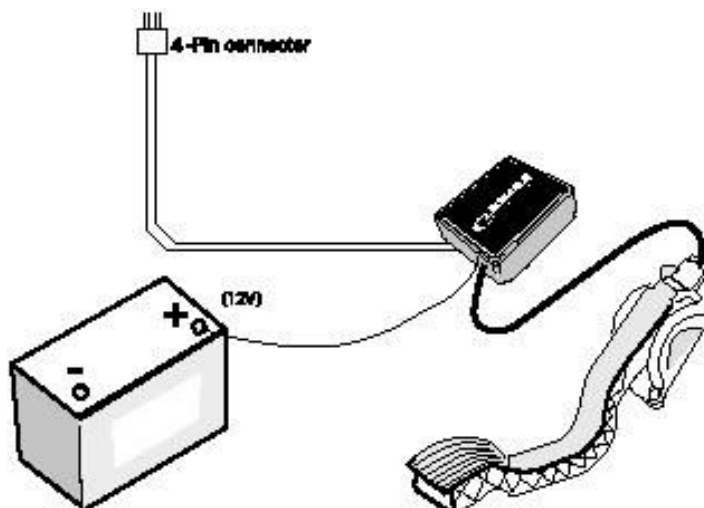
Caution!

Only suitable for Peugeot, Citroen and Suzuki Grand Vitara with potentiometer in engine bay and combination with Harness No. 190-500050W

Kit contents:

- T-harness
- Black-red power wire

Connect the Black-Red wire to a constant 12V power supply (insert 2A fuse in fuse holder)



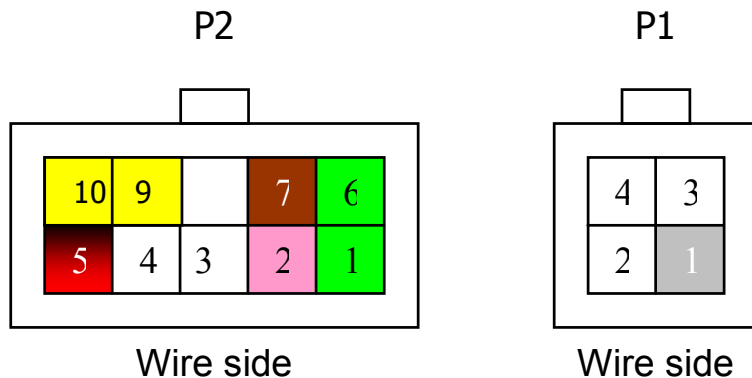
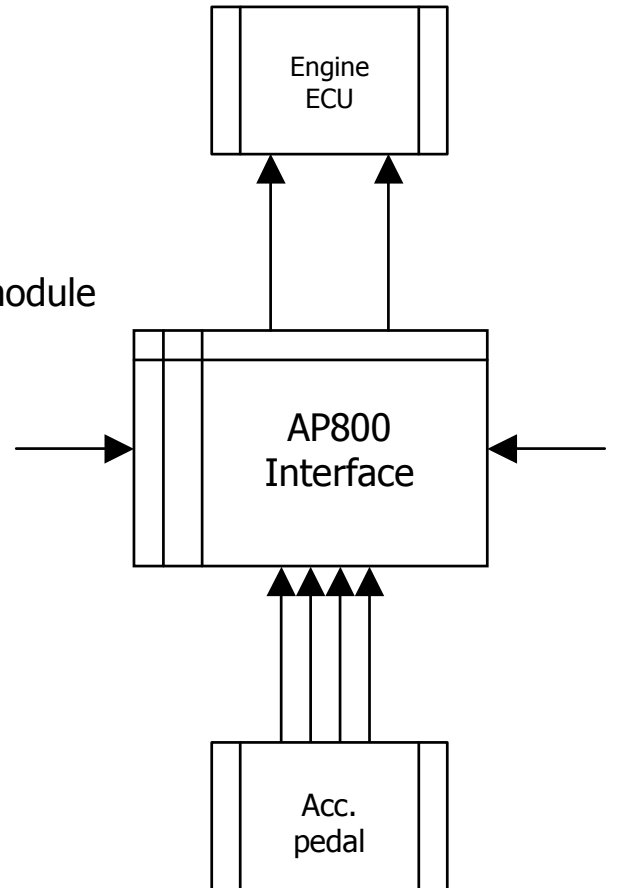
System Input/Output (Only for Interface)

Input:

- 12 V battery supply (+30)
- Vac signal from AP800 Cruise Control module
- 5 V from accelerator pedal
- - Ground from accelerator pedal
- Low signal from pedal
- High signal from pedal

Output:

- Low signal to engine ECU
- High signal to engine ECU



Harness layout for AP800 Interface

Part no. 190-500050W

Connector P2:

1: Green	Ground throttle pedal
2: Pink	High Throttle signal to ECU
3: White	High Throttle signal from pedal
4: White	High Throttle signal from pedal
5: Black-Red	Battery supply 12 Volt
6: Green	Ground throttle pedal
7: Brown	Low Throttle signal to ECU
8: --	Not used
9: Yellow	Low Throttle signal from pedal
10: Yellow	Low Throttle signal from pedal

Connector P1:

1: Gray	+5 Volt throttle pedal
2: Green	INPUT VP
3: Yellow	INPUT VAC
4: Red	INPUT VENT

Citroen: Xsara HDI, Xsara Picasso HDI, Xantia HDI, C5 HDI and Berlingo

Peugeot: 306 HDI, 406 HDI, 307 HDI (first generation), 806 HDI

Suzuki: Grand Vitara

- Disconnect car battery
- Connect the black-red wire to constant +12V (30)
- Insert 2A fuse in fuse holder
- Disconnect connector A (4-pole) from potentiometer (fig.1).
- Solder the green wire on wire position 2 from the connector potentiometer (fig.2)
- Solder the gray wire add wire position 4 from the connector potentiometer (fig.2)
- Cut the wire from position 3 of the potentiometer connector. Solder the yellow on wire position 3 at the connector side. Solder the brown wire on position 3 at the main harness side (fig.3)
- Cut the wire from position 1 of the potentiometer connector. Solder the white wire on position 1 at the connector side. Solder the pink wire on position 1 at the main harness side (fig.4)

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

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

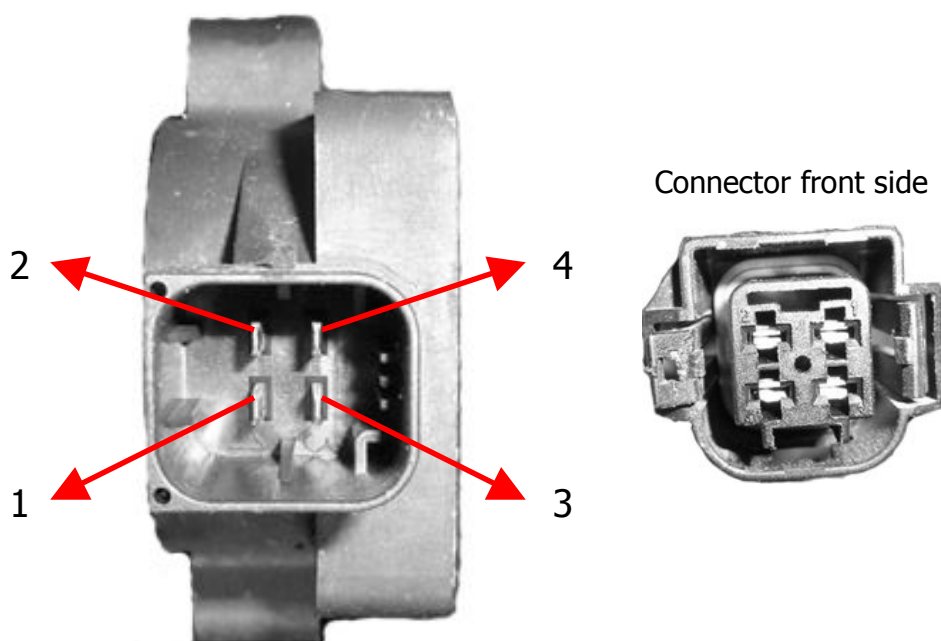


Fig.1

