

# Caravelle Cruise Wiring

My June 2000 Registered Caravelle 2.5 TDi 102 Auto (Engine AUF, Trans EQG) (Chipped by Upsolute to 135) had the wiring in the main loom just under the fusebox to connect to a Cruise stalk. This was VERY hard to find until I got the VW plug housing to match it to.

The local VW agent Euro Canterbury was able to get a Cruise Stalk 7D0 953 513 C 01C for about £55.00 but no supplementary loom, only plug housings 1H0 953 634 and 1J0 972 732.

I made the supplementary intermediate loom up using about 800mm of 5 core cable from local accessory shop (Chaucer Motor Factors) and 8 miniature crimp spades and receptacles. When hot on the soldering iron I slipped the red crimp rings off and they fairly easily went in the VW housings. The connections on my car were as the following table:

Colour in main loom	Colour in my Link	Colour at Switch	FUNCTION
BLACK	Brown	Black	Cruise ON
RED	Red	Red	SET
BLUE/GREY	Green	Blue	RESUME
BLACK/WHITE	White	White	12v POWER

Fitting the replacement stalk unit was easy (my car has no airbag). Just a matter of removing the steering wheel, unscrewing the old unit and putting the new one in. I used two cable clips to hold the new intermediate loom to the column. I pushed the improvised connectors into the VW connectors very carefully making sure all spades engaged in their opposite females.

## I found the following information on the TDi forum:

The second switch must be present on the brake pedal, and the two wires present connecting it to the ECU. The brake pedal has two switches; the first is a "normally open" switch that makes the brake lights come on. The second is a "normally closed" switch that goes open circuit when the brake pedal is pressed and disables the cruise control. Similarly there is an inhibitor switch on the Gearchange (automatic) or Clutch (manual). My car had both of these factory fitted.

## I got my local VW specialist (Volkline) to program the ECU as follows (£23.50):

Select engine control module by pressing "01Q".

Select read data function by pressing "08Q".

Read group 06 by pressing "06Q" or "006Q" depending on which version of VAG 1551 tool that you have.

The 1551 will display a bunch of numbers. The fourth group of numbers, on the far right of the display will be either "0" or "255". "0" means that cruise control is already enabled. If you see "255" then cruise control is locked, unlock it using the following steps.

Press the right arrow key.

For login procedure press "11Q".

Enter the unlock code "11463Q".

Now repeat the above steps and see if that "255" has changed to a "0".

## More TDi site info:

Now repeat the driving test to see if cruise control works. If it does not work, then there are some things that you can check:-

1. with the ignition switched on, +12V is present on the black/white wire when the cruise control is switched "on".
2. with the ignition switched on, +12V is present on the red wire when the cruise control is switched "on" and the "set" button is pressed.
3. with the ignition switched on, +12V is present on the blue/grey wire when the cruise control is switched "on" and the "res" button is pressed.

- the switch is present on the clutch pedal, and that the two wires are present connecting it to the ECU; this switch is a "normally closed" switch and goes open circuit when the clutch pedal is pressed and disables the cruise control.
- the second switch is present on the brake pedal, and the two wires are present connecting it to the ECU.

**Action!!**

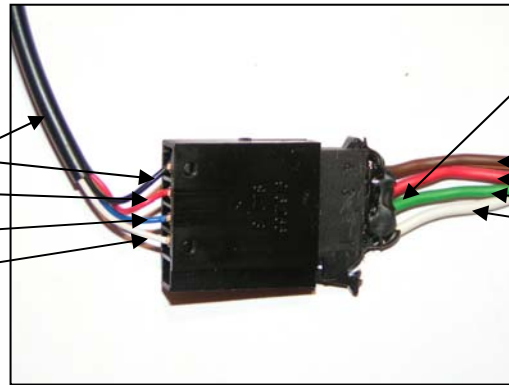
The cruise control works from about 50mph up. I suspect that it becomes enabled when the auto box goes into electronic "Lock up". I works fine resuming gently and releasing on a touch of the brakes.

**Caravelle Cruise Control Pictures**

**Stalk Plug under indicator Cowling (to intermediate)**

VW Stalk Loom

Black  
Red  
Blue  
White

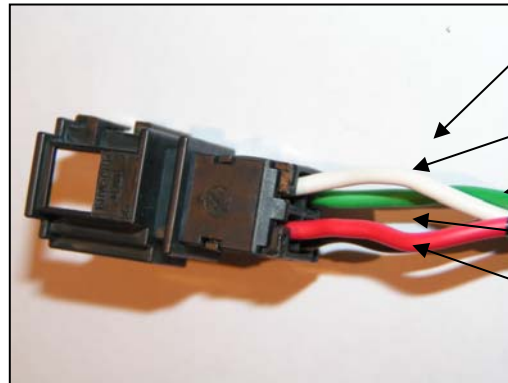


My home made intermediate Loom

Brown  
Red  
Green  
White

**Intermediate loom to Main Loom**

White connects to car WHITE/BLACK  
Green Connects to car BLUE/GREY  
Brown connects to car BLACK  
Red connects to car RED



My home made intermediate Loom

White  
Green  
Brown

Red



**New stalk and supplementary loom before fitting**

Thanks to GrahamSwindley of TDIClub.com (<http://forums.tdiclub.com/showprofile.php?Cat=0&User=37286>) for writing up this documentation. All rights reserved.