

# Autostrada *e*-Cruise

Installation instructions for  
LC-70 4.2 6cyl TDi Prod. 2001-2006  
L/H Stalk.



Do not mount the control module  
behind the instrument cluster.  
Wire connections must be soldered.

## Please note the following warnings.

1. This product should only be installed by a suitably qualified installer.
2. In some installations, the drivers SRS air-bag is required to be removed.  
This must be done in accordance with the manufacturers instructions.  
Air-bags are an explosive device, & failure to adhere to the manufacturers instructions,  
could result in injury or death. If you are not familiar with these instructions, DO NOT remove the air-bag.  
Seek a professional installer, who is trained in the removal of air-bags.
3. All connections to the vehicle must be done as per these instructions.  
Failure to do so, could result in damage to sensitive vehicle electronics, or damage to the control module.

Kit contents: Control module.

Main loom.

Switch loom.

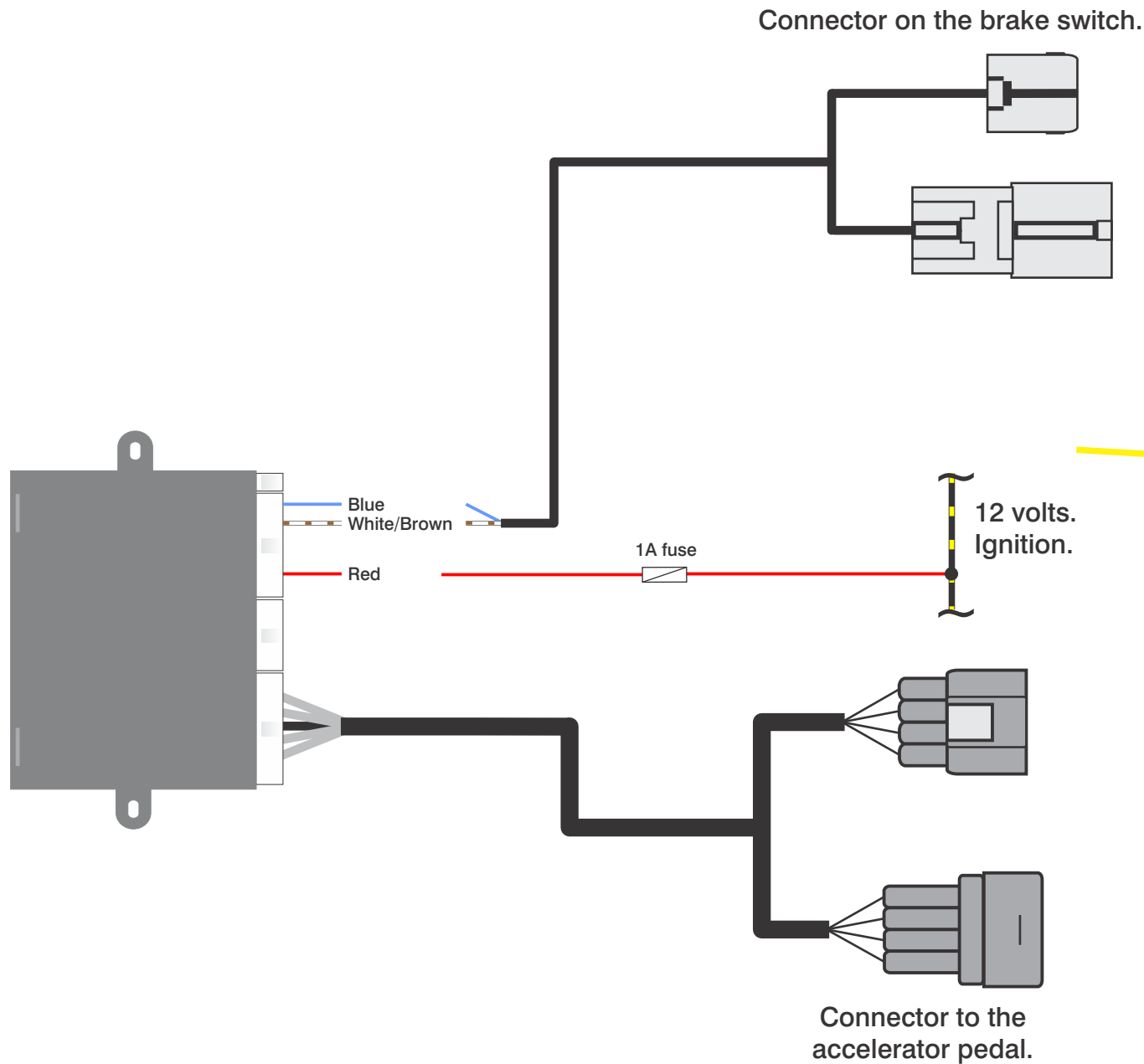
Pedal loom.

Control switch.

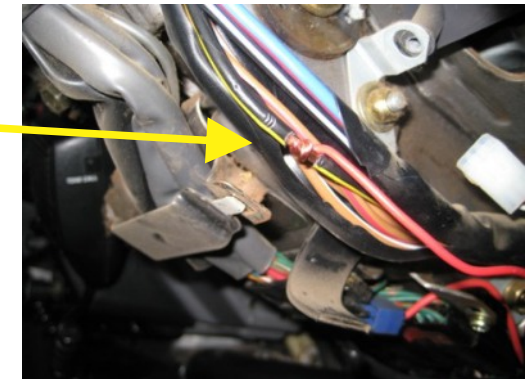
Fitting kit.

Fitting instructions.

Operating instructions.



Connect brake T-patch to factory brake switch.



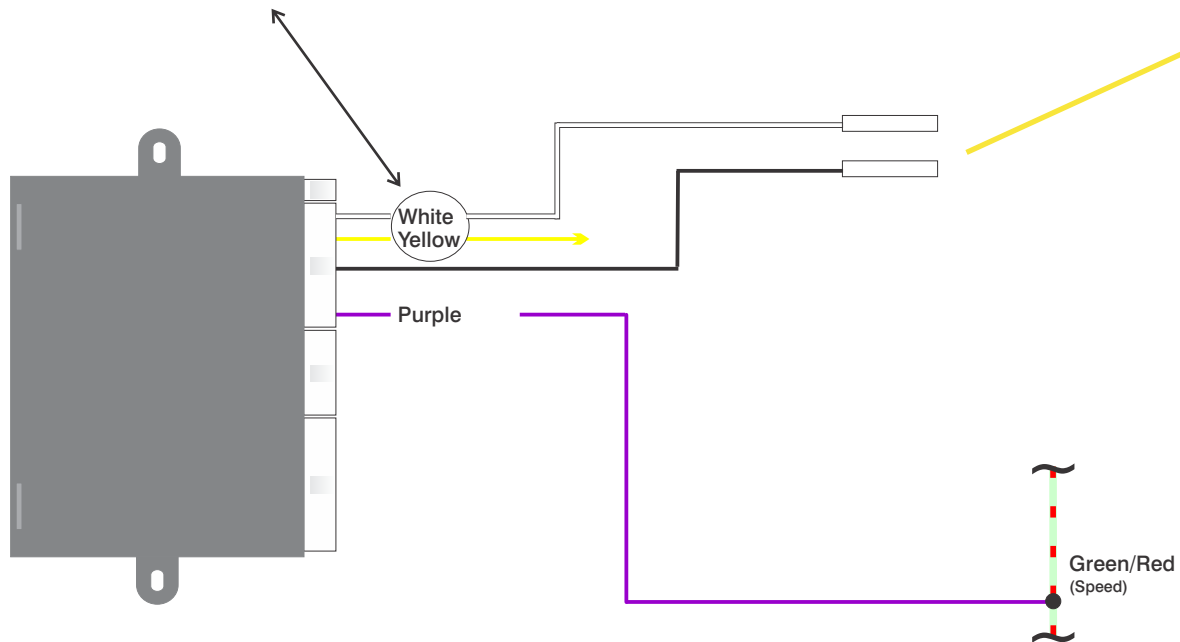
Connect the Red power wire to the Black/Yellow wire in the cable bundle to the ignition barrel.



Connect the cruise T-patch pedal harness between the throttle pedal & the vehicles harness.

**For Auto.**

For Auto, cut off the Yellow & White wires,  
and insulate

**For Manual.**

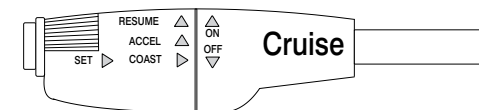
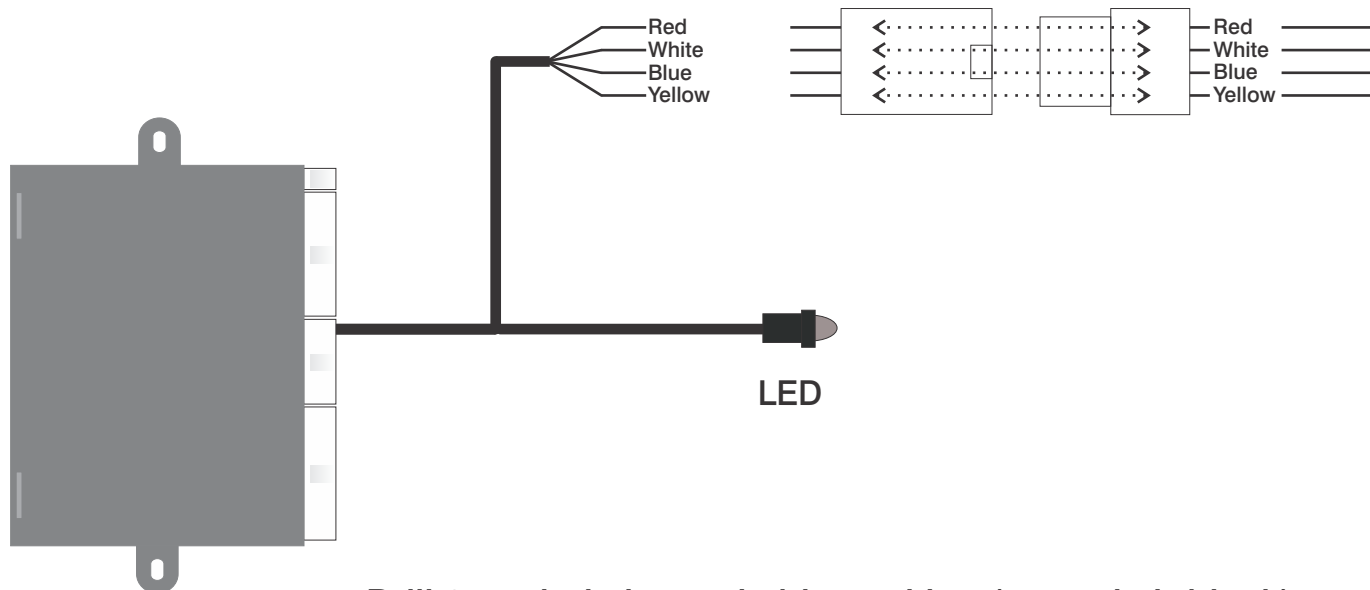
Replace the clutch pedal stop-bolt with the  
enclosed clutch switch. The clutch switch  
must be adjusted to the same height as the  
stop-bolt was.  
Connect the White & Black clutch switch wires.

Blue connector behind  
the instrument cluster.  
(remove the instrument cluster).



Solder the Purple wire to the Green/Red  
wire in the Blue connector plugged in to the  
instrument cluster.

## Mounting of control switch



E-Cruise control switch is mounted on the left side of the steering column with the supplied hardware. Check for clearance on inside of lower steering column shroud, drill a 9mm hole in a suitable position, & mount the control switch.

Terminate the wires to match colour for colour.

Drill 8mm hole in a suitable position, (eg. switch-blank), mount the LED & bezel, & apply the cruise-control sticker. Secure all wiring with cable-ties to avoid contact with sharp or moving parts.

Road-test & check all functions.

# Autostrada E-Cruise-II wire/function description

NOTE: Only use a multi-meter for testing. Using a test-light can damage some circuits.

## 14 Position Connector A

1. Not used
2. Not used
3. Not used
4. Output circuit 2 to throttle pedal
5. Output circuit 2 to ECU
6. Output circuit 1 to throttle pedal
7. Output circuit 1 to ECU
8. Ground input
9. Not used
10. Not used
11. Output circuit 3 to throttle pedal
12. Output circuit 3 to ECU
13. Not used
14. Not used

## Wire Colour

1. Blue/Black
2. Yellow/White
3. Yellow
4. Red/Black (or Red)
5. Yellow/Black (or Yellow)
6. White/Orange (or White)
7. Orange/Green (or Green)
8. Black
9. Red
10. White/Violet or Blue/White
11. Grey
12. Black/White
13. Not used
14. Not used

## 12 Position Connector C

1. Clutch +12v input
2. Clutch 0V/Earth input
3. Brake +12V input
4. VSS input
5. Power +12V Ignition input
6. Ground Input/Output
7. LED output (SET)
8. Not used
9. Not used
10. Not used
11. Not used
12. Brake 0V/ Earth switched input

## Wire Colour

1. Yellow
2. White
3. Blue
4. Violet
5. Red
6. White
7. Green
8. Not used
9. Not used
10. Not used
11. White/Violet or Blue/White
12. Brown/White

## 8 Position Connector B

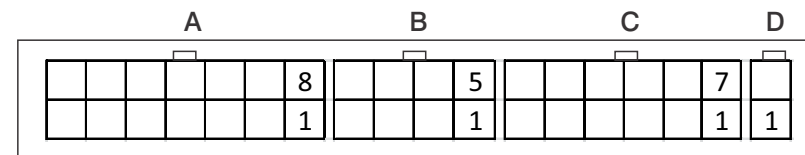
1. Not used
2. Not used
3. On/accl/resume input function
4. Set/dec input function
5. Ground output
6. LED output (ON)
7. Power +12V output
8. Off input function

## Wire Colour

1. Not used
2. Not used
3. Black/Violet (SWS) - Blue (LHS)
4. Red/Violet (SWS) - White (LHS)
5. Black (SWS)
6. White/Blue
7. Yellow/Blue (SWS) - Red (LHS)
8. Violet/Green (SWS) - Yellow (LHS)

\*SWS - Steering Wheel Switch

\*LHS - Lefthand Stalk



## Trouble shooting guide.

### Enable Diagnostic mode:

There is a 3 colour service LED surface-mounted on the circuit board next to the programming port on the back of the module. (opposite side from the connectors). To enter Diagnostic Mode, use the following instructions.



Turn on ignition.

Within 2 seconds, press and hold the ON function



Wait until test LED lights up in RED color

Release ON function



Within 2 seconds

Press and hold SET function



The test LED lights up in ORANGE color

Release SET function



Within 2 seconds

Press RES function



The test LED will flash in all 3 colours, provided that no inputs are activated. (ie; brakes, clutch). Otherwise the test LED will light up red.

### Enter test 1 - Brake function.

Activate RES briefly. Test LED will flash orange 1 time.

1. If both brake wires are installed correctly, the test LED will light up green.
2. Hot side of brake is defective = test LED lights up red.
3. Cold side of brake is defective = test LED lights up orange.
4. Both sides of brake defective = test LED flashes all 3 colors.
5. When brake pedal is depressed, the test LED lights up orange.

### Enter test 2 - Clutch function.

Activate RES briefly. Test LED will flash orange 2 times.

1. If clutch wires are installed correctly, the test LED lights up green.
2. If clutch is defective, the test LED lights up red.
3. When clutch pedal is depressed, the test LED lights up red.

### Enter test 3 - Accelerator pedal function (engine off).

1. Activate RES briefly. Test LED will flash orange 3 times.
2. The test LED will slowly flash red/green.
3. Depressing the accelerator pedal will increase the freq. of the flashing.

### Enter test 4 - VSS function (the engine must be running).

Activate RES briefly. Test LED will flash orange 4 times.

1. The test LED should flash green when vehicle is moved.

**"Install change-over relay".**

If the vehicle has LED brake-lights, there will be no Earth signal on the Brown/White wire. The cruise control will think that the brakes have been applied, & will not SET. A relay can be installed to provide the Earth for the cruise to SET, & for the cruise to cancel when the brakes are applied. A 5-Pin change-over relay must be used. This is installed in to the cruise controls Brown/White wire as shown.

