WARNING: DO NOT USE HAND-HELD 2-WAY TRANSCEIVERS INSIDE YOUR VEHICLE WHILE DRIVING.

WHEN TRANSMITTING FROM INSIDE THE CAR, 2-WAY RADIOS THAT OPERATE IN THE 25MHZ-700MHZ FREQUENCY RANGE WITH MORE THAN 2.0 WATTS OF POWER CAN PRODUCE ELECTROMAGNETIC INTERFERENCE THAT COULD INTERFERE WITH THE OPERATION OF CRUISE AND THROTTLE CONTROLS RESULTING IN VEHICLE "LIMP MODE".

USE OF CELLULAR PHONES WILL NOT INTERFERE WITH THESE CONTROLS.

DUE TO SENSITIVE NATURE OF SIGNALS USED FOR THIS PRODUCT, ALL NON-PLUG AND PLAY CONNECTIONS MUST BE SOLDERED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL VOID WARRANTY.
BEFORE INSTALLATION

To make the installation easier, the complete installation instructions should be read through before installation is started.

This installation instructions contains information how to install the Electronic Cruise Control which is not a Do-It-Yourself job.

Modern cars are equipped with electronics, which can be costly damaged by inappropriate treatment.

Rostra Precision Controls can not be held responsible for any error caused by wrong installation.

STOP - READ BEFORE INSTALLATION

IMPORTANT ADVISORY NOTES THAT YOU MUST FOLLOW

Always disconnect the negative cable from battery before installation.

Always use the enclosed installation instruction for installing the Electronic Cruise Control.

Check the part number of the cruise module label is the same compared to the part number of the installation instructions.

Be aware of radio codes that might have to be typed in.

Find a location to install the cruise module and control switch

If any wires are left, then cut off and insulate.

Only use a multimeter to measure voltage.

Always drive the car for a complete test before assembling the car.

All wire leads must be soldered.
**Note:** If the OBD2 interface connector does not fit, or you do not want to use the plug cap, cut the Rostra connector off and solder wires: Red Wire to Pin 6, Black Wire to Pin 14 of OBD2 connector in the vehicle.

**Connect to the accelerator pedal**

**Ignition 12 volts**

WHITE/ORANGE IGNITION SWITCH HARNESS BLACK 7 PIN CONN, PIN 1

**To OBD2 Connector**

1. **Battery Cable**
2. **Battery**
3. **10 mm Wrench**
4. **Ignition 12 volts**

*Connect to the**

*Note: If the OBD2 interface connector does not fit, or you do not want to use the plug cap, cut the Rostra connector off and solder wires: Red Wire to Pin 6, Black Wire to Pin 14 of OBD2 connector in the vehicle.*
1. Find a suitable position for the switch on the left hand side of the covering around the steering column.
2. Mark the position and drill a 3/8 hole.
3. Use the enclosed fittings so the switch is angled to match the OE turn signal switch lever.
4. The switch head can be rotated as desired, and locked with the supplied retainer clip.
5. Insert the wires in the connectors to plug into cruise module shown below.

**NOTE:**
All Views From Wire Side Of Connector

![Diagram of switch and connector with colors and views][1]

[1]: diagram.png
### Pin Table

<table>
<thead>
<tr>
<th>Pin</th>
<th>Color</th>
<th>Desired Results</th>
<th>Fault Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>13A</td>
<td>Red</td>
<td>+12V when switched on and +OV when switched off. Ignition must be greater than +10V while cranking vehicle.</td>
<td>No power, voltage drop, or intermittent connection will cause loss of pedal or “Limp Mode” condition.</td>
</tr>
<tr>
<td>14A</td>
<td>Black</td>
<td>Lowest resistance to ground and closest to zero (0) ohms as possible. Use a vehicle ground point where other ground wires are connected to.</td>
<td>A bad ground connection will cause the following conditions: Cruise will not function, loss of pedal or “Limp Mode” condition.</td>
</tr>
<tr>
<td>1B</td>
<td>Green</td>
<td>Set/Coast: 12V press and hold set</td>
<td>Cruise will not set if this connection is not installed correctly.</td>
</tr>
<tr>
<td>2B</td>
<td>Yellow</td>
<td>Resume/Accel: 12V press and hold resume</td>
<td>Cruise will not resume or accel if this connection is not installed correctly.</td>
</tr>
<tr>
<td>3B</td>
<td>Brown</td>
<td>On/Off: 12V press on</td>
<td>Cruise will not set if this connection is not installed correctly.</td>
</tr>
<tr>
<td>6B</td>
<td>Red and Blue</td>
<td>12V</td>
<td>Cruise light will not come on if these connections are not installed correctly.</td>
</tr>
<tr>
<td>6B</td>
<td>Black</td>
<td>(0) ohms resistance to ground</td>
<td>Cruise light will not come on if these connections are not installed correctly.</td>
</tr>
</tbody>
</table>

Note: All accelerator pedal voltages shown are with the pedal fully depressed with ignition power.

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**Diagram:**

- ECU Ckt 1
- Ped Ckt 1
- ECU Ckt 2
- Ped Ckt 2
- Yellow 2 volts Ignition
- Red 2 volts Ignition
- Green 4 volts Ignition
- White 4 volts Ignition
- +12V to sw
- IGN GND GND
- CAN L
- CAN H
- On/Off
- Res
- Set

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**Table Legend:**

- **Green 4 volts Ignition**
- **White 4 volts Ignition**
- **Yellow 2 volts Ignition**
- **Red 2 volts Ignition**
- **12V to sw**
- **IGN GND GND**
- **CAN L**
- **CAN H**