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.
Connect to the accelerator pedal

Ignition Red Wire

Ground

To OBD2 Connector

White

White/Orange

Black/Red

Red

Black/Green

Connect to the accelerator pedal

Note: For vehicles with manual transmission only. Connect Clutch Harness to Control Module. Connect White Wire to Clutch Switch

Clutch (ground triggered)
ELECTRONIC CRUISE CONTROL KIT

Switch Harness | Rostra Switch
---|---
BLACK | BLACK
BLUE/YELLOW | RED
BLUE/YELLOW* | BLUE*
RED/PURPLE | GREEN
BLACK/PURPLE | YELLOW
YELLOW/GREEN | BROWN

* Both Blue/Yellow wires are spliced together. Just connect one BLU/YEL wire to the BLUE, and the other to the RED. The order does not matter.

MAZDA 2 2011 INSTALLATION

Do not drill hole for control switch before testing the cruise system.

CONTROL SWITCH MOUNTING

Use the lever wedges on the Control Switch at an angle template to drill a 3/8" or 9.5mm hole.
### ELECTRONIC CRUISE CONTROL KIT

**Troubleshooting**

<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 (0) ohms resistance to ground</td>
<td>Cruise light will not come on if these connections are not installed correctly.</td>
</tr>
<tr>
<td>8B</td>
<td>BLACK</td>
<td>+12V active wire at switch when clutch is depressed.</td>
<td>Cruise will not function if wrong wire is connected -OR- Cruise will not disengage when clutch is depressed.</td>
</tr>
<tr>
<td>5C</td>
<td>WHITE</td>
<td>Ground active wire at switch when clutch is depressed.</td>
<td>Cruise will not function if wrong wire is connected -OR- Cruise will not disengage when clutch is depressed.</td>
</tr>
<tr>
<td>6C</td>
<td>YELLOW</td>
<td>+12V active wire at switch when clutch is depressed.</td>
<td>Cruise will not function if wrong wire is connected -OR- Cruise will not disengage when clutch is depressed.</td>
</tr>
</tbody>
</table>

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