2011-13 FORD FIESTA / 2010 MAZDA 3

PART NUMBER: 250-9610

ELECTRONIC CRUISE CONTROL KIT

GENERAL APPLICABILITY

FORD FIESTA (AT/MT)

Kit Contents/Service Parts

<table>
<thead>
<tr>
<th>Item</th>
<th>QTY</th>
<th>Description</th>
<th>Part#</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>CRUISE CONTROL MODULE</td>
<td>250-2813</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>SWITCH HARNESS</td>
<td>250-2760</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>PEDAL INTERFACE HARNESS</td>
<td>250-2821</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>HARDWARE KIT</td>
<td>250-2767</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>CONTROL SWITCH</td>
<td>250-3742</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>DIAGNOSTICS HARNESS</td>
<td>250-2785</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>CLUTCH HARNESS</td>
<td>250-2759</td>
</tr>
</tbody>
</table>

CONFLICTS

NOTE:

RECOMMENDED TOOLS

PERSONAL & VEHICLE PROTECTION

SAFETY GLASSES

SPECIAL TOOLS

VOLT-Ohm METER

INSTALLATION TOOLS

TRIM REMOVAL TOOL

PHILLIPS SCREWDRIVER

10-MM WRENCH

DRILL BITS 9.5MM OR 3/8" (FOR SWITCH)

14MM WRENCH

SOLDERING TOOL

SPECIAL CHEMICALS

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.

Form #5268, Rev. F, 03-27-13
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.

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.
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INSTALLATION

Electronic Cruise Control Kit

Red

Green/orange

Ford Fiesta

Check ignition wire with a volt-meter to be sure voltage is 0V with key off and holds at +10V during crank/start.

Mazda 3

Ignition

Behind drivers kick panel
For manual transmission vehicles only. Connect Clutch Harness to Control Module. Connect White Wire to ground triggered (white wire) at Clutch Switch.
Use the lever wedges on the Control Switch at an angle template to drill a 3/8" or 9.5mm hole.

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

*Order of Placement is not critical
**ELECTRONIC CRUISE CONTROL KIT**

**Green**
- 4 volts
- Ignition

**PIN COLOR DESIRED RESULTS**

<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 +1V 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>
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