**GENERAL APPLICABILITY**

**NISSAN TITAN 2013**

**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)**

**14-MM WRENCH**

**SOLDERING TOOL**

**SPECIAL CHEMICALS**

**CONFLICTS**

**NOTE:**

**LEGEND**

**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.

**HARDWARE BAG CONTENTS**

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<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>PART#</th>
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<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>Wire Zip Ties</td>
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<td>2</td>
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**KIT CONTENTS/Service Parts**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
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<tr>
<td>1</td>
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<td>Cruise Control Module</td>
<td>250-2863</td>
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<tr>
<td>2</td>
<td>1</td>
<td>Switch Harness</td>
<td>250-2760</td>
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<td>3</td>
<td>1</td>
<td>Pedal Interface Harness</td>
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<td>Hardware Kit</td>
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<td>1</td>
<td>Control Switch</td>
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<td>6</td>
<td>1</td>
<td>Diagnostics Harness</td>
<td>250-2785</td>
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<tr>
<td>7</td>
<td>1</td>
<td>Clutch Harness</td>
<td>250-2759</td>
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</tbody>
</table>

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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”.

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**FORM #5412, REV. A, 02-20-13**
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 before 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.

Fig. 1-1

10mm Wrench

Negative Battery Cable

Battery
NISSAN TITAN 2013 ELECTRONIC CRUISE CONTROL KIT

INSTALLATION

At the top of the accelerator pedal locate and unplug accelerator pedal connector and run bypass harness inline.

Connect data harness cap to OBD2 connector
Optional *Cut the Rostra connector off and solder wires: Red Wire to Pin 6, Black Wire to Pin 14

Driver kick panel solder red ignition wire to white/red wire in middle 18 pin connector

WARNING: Confirm that this is Ignition power and not accessory power. Make sure circuit does not drop below 10volts thru crank/start.

10mm Wrench
Negative Battery Cable

Fig. 1-1
**Do not drill hole for control switch before testing the cruise system.**

**Switch Harness**

<table>
<thead>
<tr>
<th>Switch Harness</th>
<th>Rostra Switch</th>
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</thead>
<tbody>
<tr>
<td>BLACK</td>
<td>BLACK</td>
</tr>
<tr>
<td>BLUE/YELLOW</td>
<td>RED</td>
</tr>
<tr>
<td>BLUE/YELLOW*</td>
<td>BLUE*</td>
</tr>
<tr>
<td>RED/PURPLE</td>
<td>GREEN</td>
</tr>
<tr>
<td>BLACK/PURPLE</td>
<td>YELLOW</td>
</tr>
<tr>
<td>YELLOW/GREEN</td>
<td>BROWN</td>
</tr>
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</table>

* 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.

**Use the lever wedges on the Control Switch at an angle template to drill a 3/8" or 9.5mm hole.**
13A RED  +12V when switched on and +0V when switched off. Ignition must be greater than +10V while cranking vehicle.  NO power, voltage drop, or intermittent connection will cause loss of pedal or "Limp Mode" condition.

14A BLACK  Lowest resistance to ground and closest to zero (0) ohms as possible. Use a vehicle ground point where other ground wires are connected to.  A bad ground connection will cause the following conditions: Cruise will not function, loss of pedal or "Limp Mode" condition.

1B GREEN  Set/Coast: 12V Press and hold set  Cruise will not set if this connection is not installed correctly.

2B YELLOW  Resume/Accel: 12V Press and hold resume  Cruise will not resume or accel if this connection is not installed correctly.

3B BROWN  On/Off: 12V Press on  Cruise will not set if this connection is not installed correctly.

6B RED AND BLUE  12V  Cruise light will not come on if these connections are not installed correctly.

8B BLACK  (0) ohms resistance to ground