Nissan Versa 2007- 2014

Part Number: 250-9508

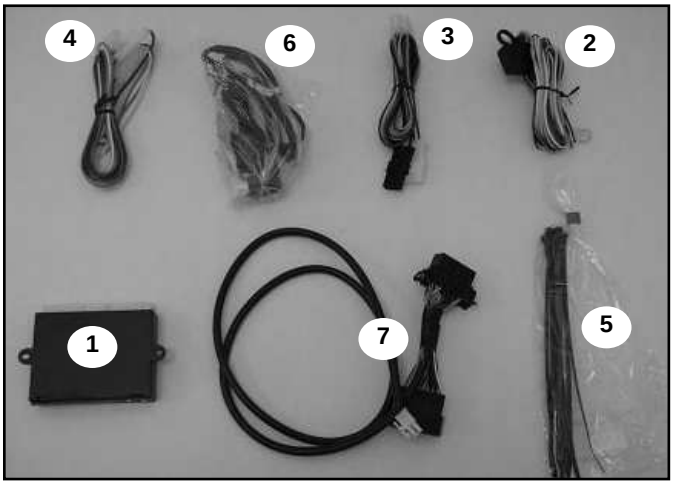
Electronic Cruise Control Kit

General Applicability

Nissan Versa

Kit Contents/Service Parts

Item	Qty	Description	Part#
1	1	Cruise Control Module	250-2855
2	1	Clutch Harness	250-2759
3	1	Switch Harness	250-2760
4	1	Pedal Interface Harness	250-2808
5	1	Hardware Kit	250-2767
6	1	Control Switch	250-3593
7	1	Diagnostics Harness	250-2783



Hardware Bag Contents

Item	Qty	Description
1	8	Wire Zip Ties
2		
3		

M&R AUTO ELECTRONICS

1-800-343-1382

Please call for technical assistance. You will need your invoice number.

Legend

- **STOP:** Damage to vehicle may occur. Do Not Proceed until process compliance has been met.
- **OPERATOR SAFETY:** Use Caution to Avoid Risk of Injury.
- **CRITICAL PROCESS:** Proceed with Caution to Ensure a Quality Installation. These points will be audited on a completed vehicle installation.
- **GENERAL PROCESS:** This highlights specific processes to ensure a quality installation. these points will be audited during the accessory installation.
- **TOOLS & EQUIPMENT:** This calls out the specific tools and equipment required for the process.
- **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

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 INSTRUCTION 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 WHEN 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 REASSEMBLING THE CAR.

ALL WIRE LEADS MUST BE SOLDERED.

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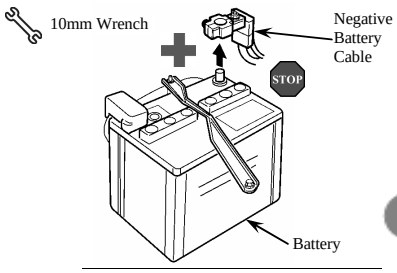
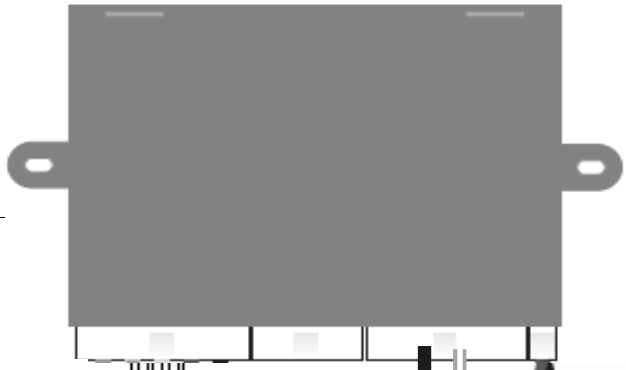
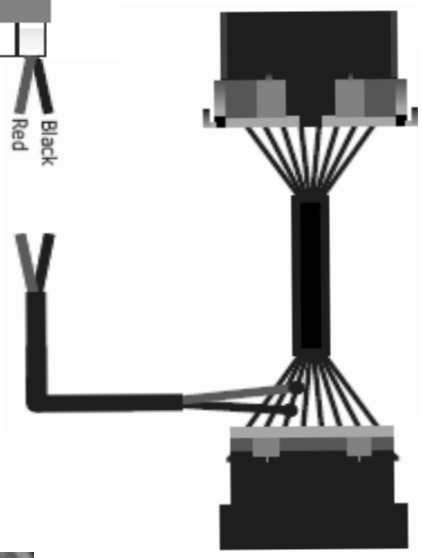
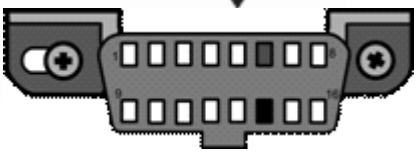




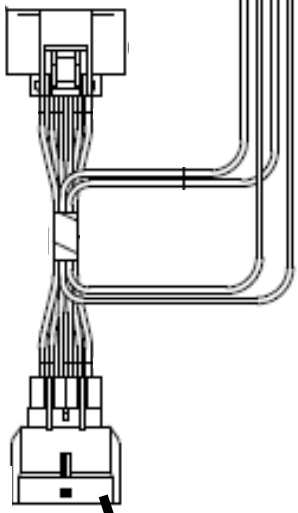


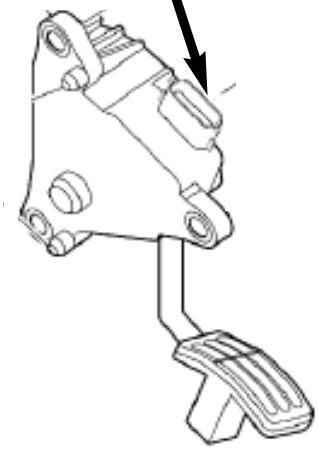
Brake switch under driver dash connect cruise harness *Blue* and Brown/White wires to brake switch: cruise harness Blue to Blue of brake switch. Cruise harness Brown/White to Red of brake switch. as shown above.

To OBD2 Connector



Connect to the accelerator pedal





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Clutch Cancel

If Manual Transmission: connect the WHITE wire of cruise harness to negative trigger wire of existing top clutch switch in vehicle. This wire will go to ground only when clutch is pressed. There is no distinctive vehicle wire color listed and will need to be checked with Volt/OHM Meter.

Ground

Connect BLACK ground wire to factory ground located under drivers dash or Drivers kick panel

Ignition
Red Wire

Connect RED wire at IGNITION SWITCH Harness - WHITE 6 PIN Connector PIN #1 RED wire located at key switch.

NOTE: This cruise uses a universal harness for input circuits, any wires not listed in this instruction for vehicle connection will not be used.

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Mount to any flat surface of dash
use template on next page

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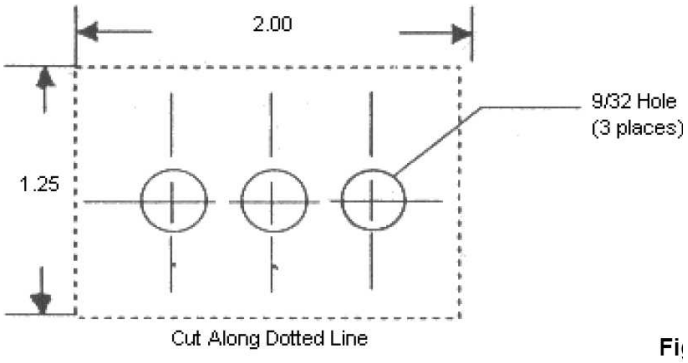
Notes:



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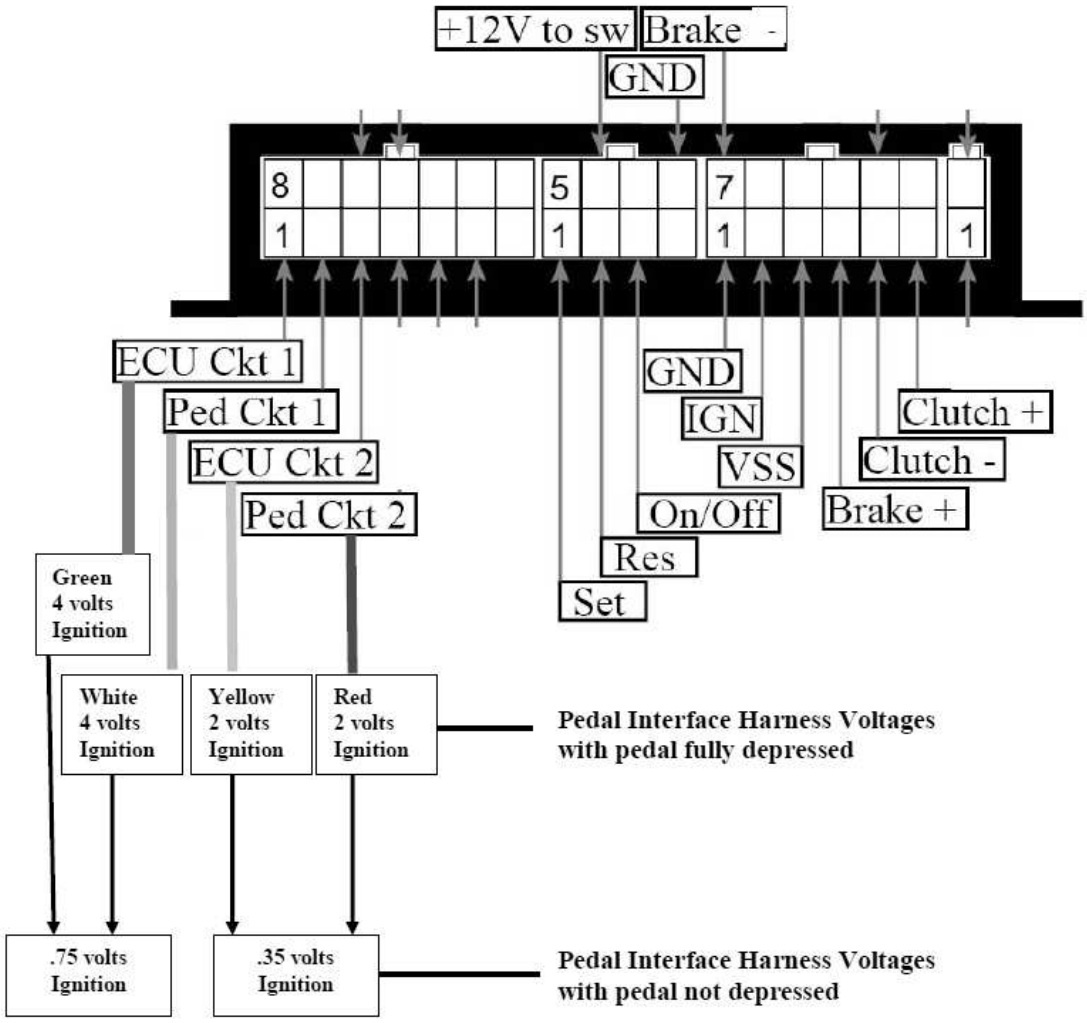
+12V to sw
Brake -
GND
8
1
5
1
7
1
1
ECU Ckt 1
Ped Ckt 1
ECU Ckt 2
Ped Ckt 2
GND
IGN
VSS
On/Off
Res
Set
Clutch +
Clutch -
Brake +
Green
4 volts
Ignition
White
4 volts
Ignition
Yellow
2 volts
Ignition
Red
2 volts
Ignition
Pedal Interface Harness Voltages
with pedal fully depressed
.75 volts
Ignition
.35 volts
Ignition
Pedal Interface Harness Voltages
with pedal not depressed

TROUBLESHOOTING

Function	Color	Results	Fault Conditions
Ignition	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.
Brake positive +	Blue	"Hot" side of brake switch. +12V all the time.	Cruise will not function if this connection is not installed correctly.
Brake negative -	Brown/White	"Cold" side of Brake switch. Zero (0) resistance to ground when brake is not pressed. +12V when brake is pressed.	Cruise will not function if this connection is not installed correctly. If connection is good, and there is a high resistance to ground, a 5 terminal relay will be required to complete installation. See diagram below.
Ground	Black	Lowest resistance to ground 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.
Clutch (GND triggered)	White	Ground active wire at switch when clutch is depressed.	Cruise will not function if wrong wire is connected –OR– **Cruise will not disengage when clutch is depressed.**
Clutch (+12V triggered)	Yellow	+12V active wire at switch when clutch is depressed.	Cruise will not function if wrong wire is connected –OR– **Cruise will not disengage when clutch is depressed.**

5 Terminal Relay for Brake Switch