Part Number: 250-1797

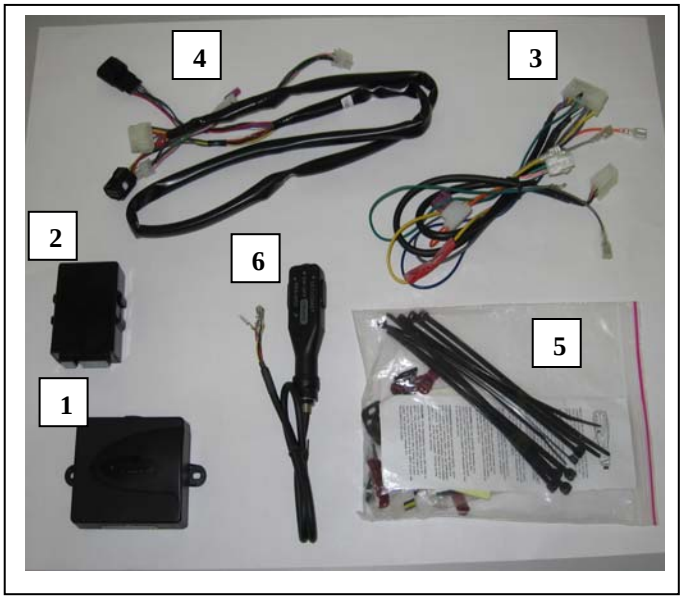
Section I – Installation Preparation

General Applicability

Manual Transmission

Kit Contents

Item #	Qty	Description
1. 57A-02337	1	Cruise Control Module
2. 57A-02338	1	Switch Interface Module
3. 57A-02340	1	Main Wiring Harness/Manual
4. 57A-02339	1	Pedal Interface Harness
5. 55A-01648	1	Hardware Kit
6. 57A-02342	1	Control Switch



Contents of Hardware Kit, C047A-5206C-HW

Qty	Description
7	T-taps, 18-22 AWG Female
18	Wire Zip Ties
2	Adhesive backed tape
1	8-pin Control Switch connector
2	Weather sealant
1	Connector, 14-18 AWG
1	Cruise Control Switch form

Additional Items Required For Installation

Recommended Tools

Safety Tools	
Gloves, Safety Glasses	
Special Tools	
Volt-Ohm Meter	
Installation Tools	
Pliers	For t-taps
Crimping Tool	For NSS (A/T only)
Side cutter	To cut wire ties
Drill Bit or Knockout Punch	9.5mm or 3/8" (for switch)
Special Chemicals	

Conflicts

Note:

Recommended Sequence of Application

Item #	Accessory	
1		
2		
3		

*Mandatory

Legend

- **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.
- **OPERATOR SAFETY:** Use caution to avoid risk of injury
- **CRITICAL PROCESS:** Proceed with caution to ensure a quality installation.
- **GENERAL PROCESS:** This highlights specific processes to ensure a quality installation.
- **TOOLS & EQUIPMENT:** This calls out the specific tools and equipment required for this process

Service Parts

		1
		1
		1
		1

Section II – Installation Procedure

A. Pre-Installation Suggestions

1. It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting**. (figure 1)**
2. Remove driver side small object box, lower dash panel, and steering column cover for easy access.

B. Install Electronic Modules

1. There are two electronic modules. The larger one is the **Cruise Control Module** and the smaller one is the **Switch Interface Module**.
2. Apply the larger supplied piece of double-sided adhesive tape to the Cruise Control Module, and the smaller piece of double-sided tape to the Switch Interface Module.
3. Assemble 20-pin connector from **Main Wiring Harness** onto mating connector of Cruise Control Module. Apply the 10 and 4 pin connectors from Pedal Interface Harness to mating connector on Switch Interface Module.

Warning: Be sure to use the 4 pin connector that is on the same side of the wire harness fuse as the 10 pin connector. **Failure to do so could damage vehicle's ECM.** See the picture insert in Figure 2 for further guidance.

4. Locate the linked harness between the Cruise Control and Switch Interface Modules. Connect the four pin mating connectors.
5. Place the Cruise Control Module on the back side of the main J/B. Then place the Switch Interface Module on the inside wall of the driver-side dash left of the J/B**.(figure 2,3)**
6. Route the **Pedal Interface Harness** through steering column and down to the accelerator**.(figure 4**)

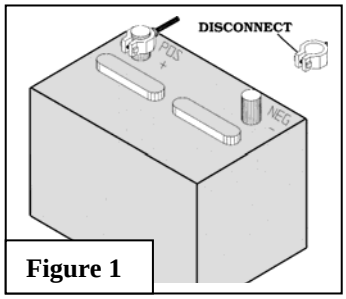


Figure 1

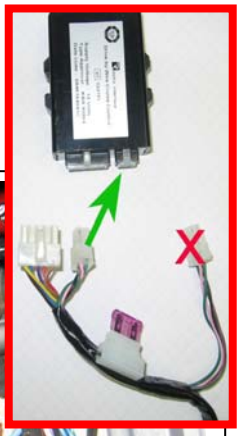


Figure 2

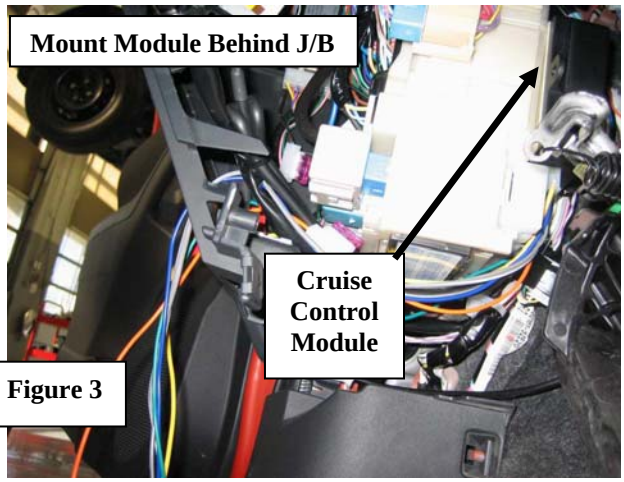


Figure 3

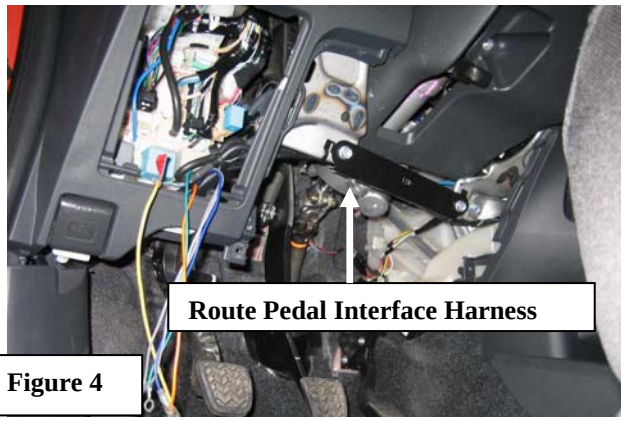


Figure 4

7. Locate the 6 pin **plug and mate connectors** on the Pedal Interface Harness. Remove the accelerator 6-pin connector and apply to mating connector of the Pedal Interface Harness. Apply the other connector to the accelerator**.(figure 5)**

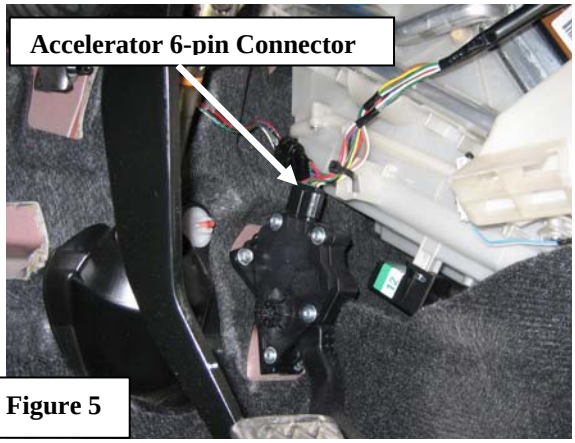


Figure 5

C. Wiring Connections (figures 6-12)

1. Use the supplied self-stripping connectors (T-taps) from hardware pack to apply a T-tap onto the following J/B wires:

Function	Connector	Pin	See Fig.	Vehicle Color
IGN	4B	9	7	RED
BRAKE +	A13	1	10,11	BLACK
BRAKE -	A13	2	10,11	GREEN
VSS	4B	26	7	PURPLE
TACH	D15	9	8,9	LT. GRN

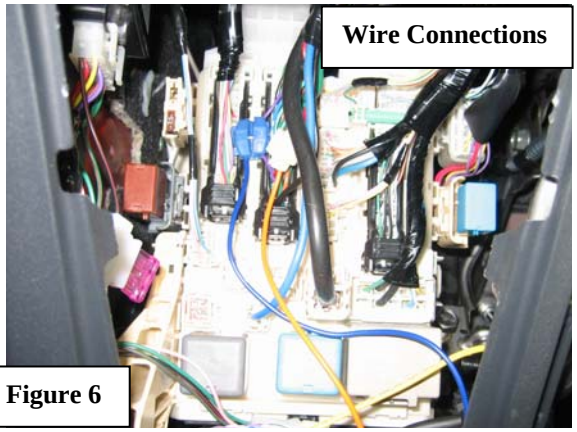


Figure 6

2. Use the following wires from the Main Harness to connect to vehicle T-tapped wire:

Function	Main Harness Color	Vehicle T-Tap Wire
IGN	ORANGE	RED
BRAKE +	BROWN	BLACK
BRAKE -	BROWN/WHITE	GREEN
VSS	BLUE	PURPLE
TACH	YELLOW	LT. GREEN

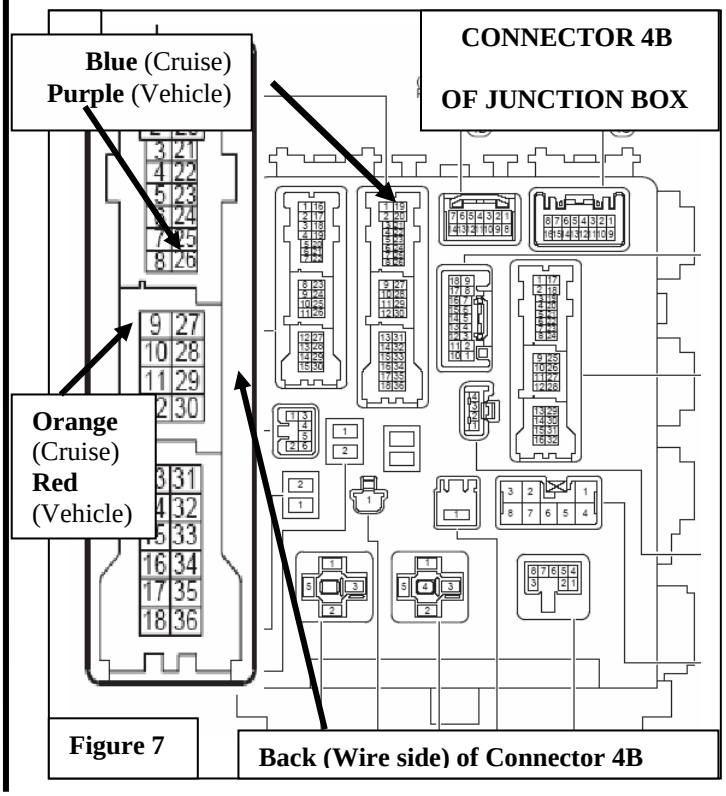


Figure 7

3. Remove the driver-side kick panel and remove 10mm bolt to apply the green wire from the Cruise Control Module to **ground point D1. (figure 12)**

4. Secure Cruise Control and Switch Interface Module harnesses with zip ties away from moving parts.

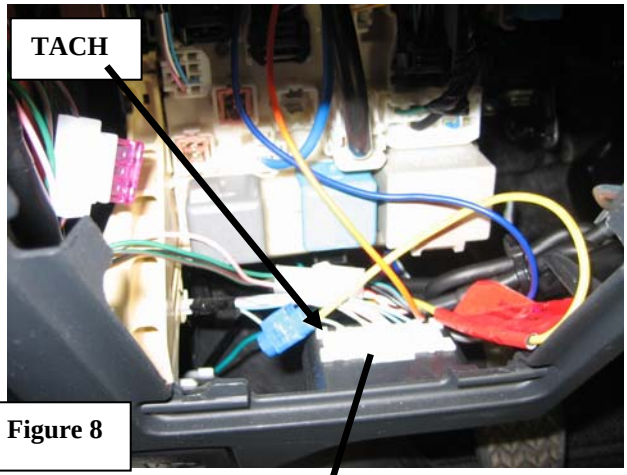


Figure 8

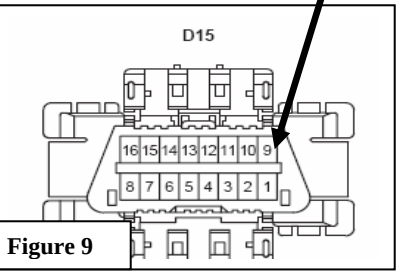


Figure 9

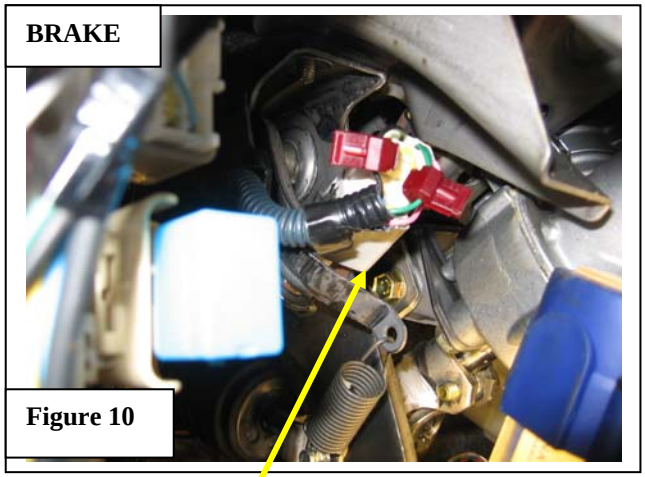


Figure 10

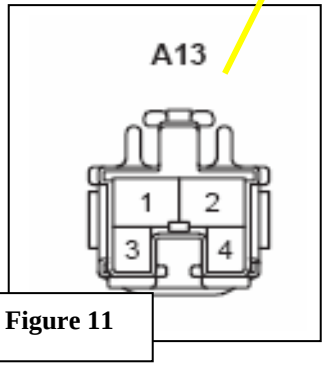


Figure 11

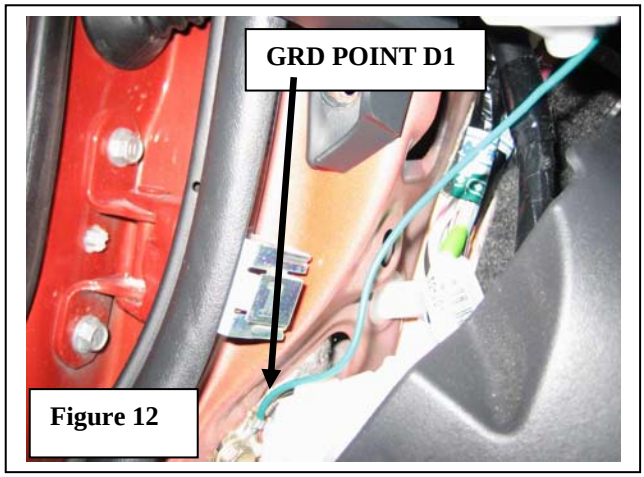


Figure 12

D. Install Control Switch

5. Use the **level wedges** on the Control Switch as an angle template to drill a 9.5 mm hole in the lower shroud of the steering column cover. Position lock-washers as shown**(figure 13,14)**

6. Apply nut and position Control Switch for driver's best view.
7. Assemble 8-pin connector from the sack parts to the mating wire colors on the Control switch harness.
8. Route the assembled Control Switch harness down to the mating connector from the Cruise Control harness.
9. Secure the Control Switch harness with zip ties away from moving parts.

E. Testing

1. Reconnect negative battery cable and torque to 35 lbs. Reenter anti-theft radio codes.
2. Turn ignition on. Apply the on/off button of Cruise Control Switch.

F. Reassembly

1. Reinstall all removed pieces taking care to ensure harnesses and wiring connections are properly secured.
2. Make sure harnesses are not pinched or bound by trim pieces.

DRILL 9.5MM HOLE AT 17 DEGREE ANGLE,
30 mm from edge of plastic towards Steering Wheel,
65 mm from top of plastic down from Steering Wheel.

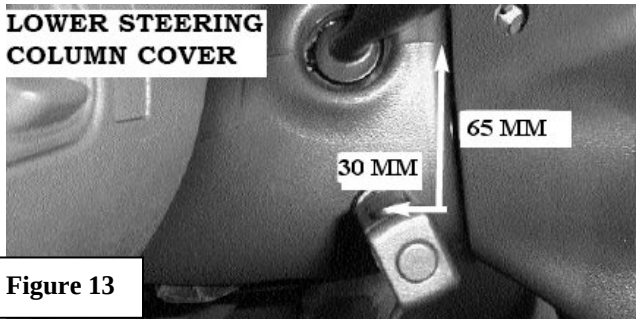


Figure 13

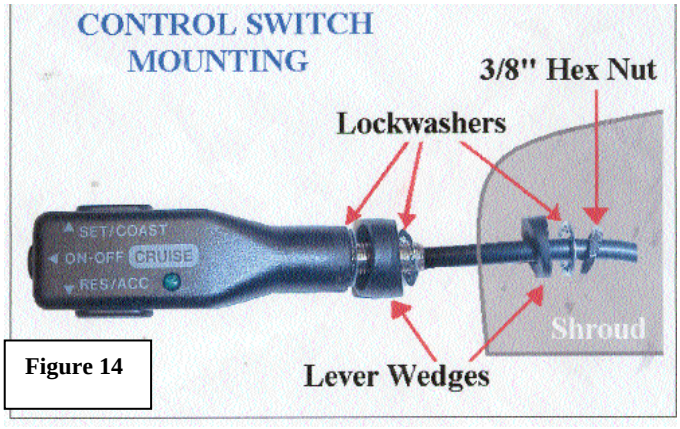
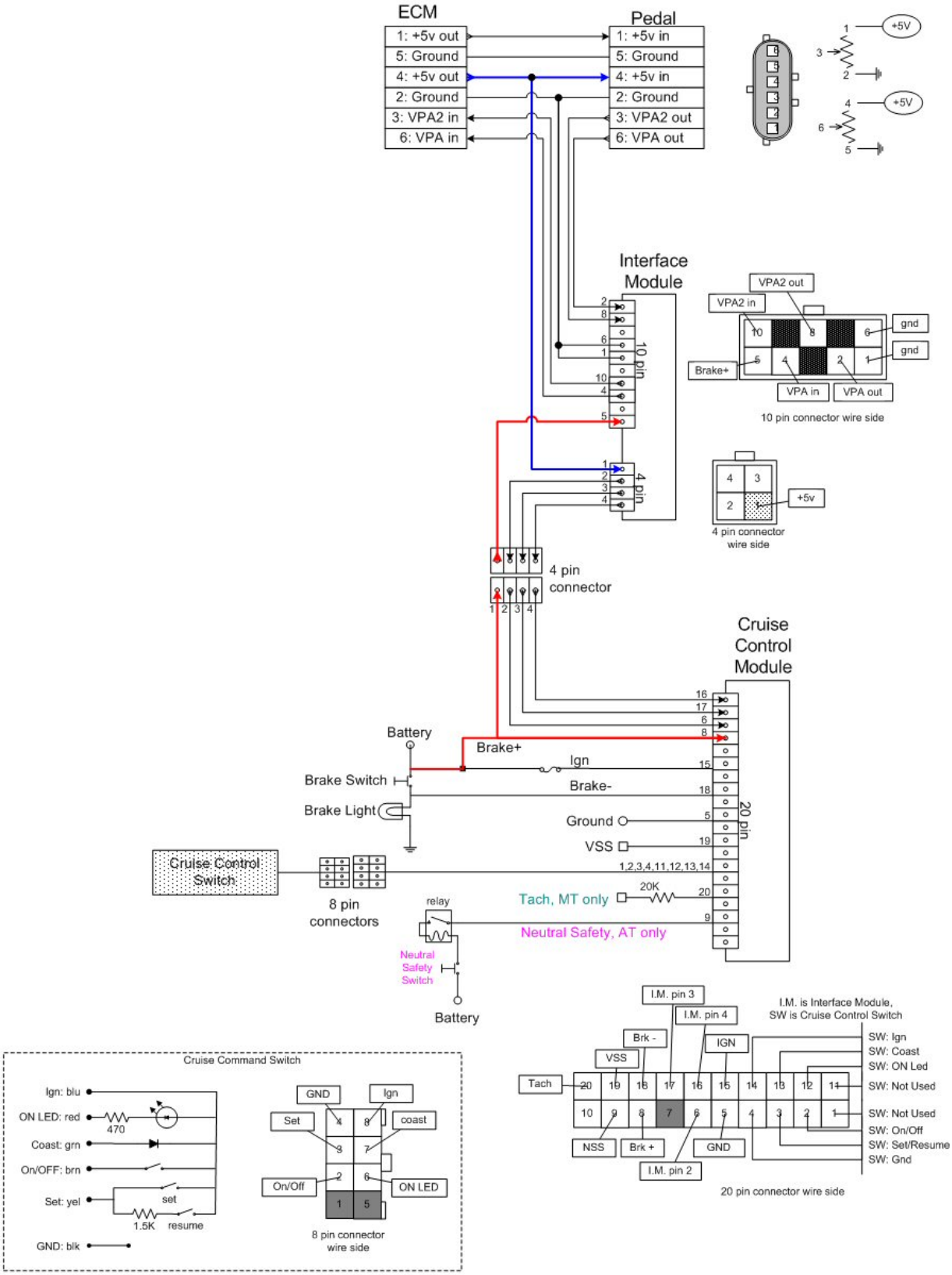


Figure 14


ECM
1: +5v out
5: Ground
4: +5v out
2: Ground
3: VPA2 in
6: VPA in
Pedal
1: +5v in
5: Ground
4: +5v in
2: Ground
3: VPA2 out
6: VPA out
+5V
+5V
Interface Module
10 pin
4 pin
VPA2 out
VPA2 in
gnd
gnd
Brake+
VPA in
VPA out
10 pin connector wire side
+5v
4 pin connector wire side
4 pin connector
Cruise Control Module
20 pin
Battery
Brake+
Ign
Brake Switch
Brake-
Brake Light
Ground
VSS
1,2,3,4,11,12,13,14
Cruise Control Switch
8 pin connectors
20K
Tach, MT only
relay
Neutral Safety, AT only
Neutral Safety Switch
Battery
Cruise Command Switch
Ign: blu
ON LED: red
470
Coast: grn
On/OFF: brn
Set: yel
set
1.5K
resume
GND: blk
GND
Ign
Set
coast
On/Off
ON LED
8 pin connector wire side
I.M. pin 3
I.M. pin 4
I.M. is Interface Module, SW is Cruise Control Switch
Brk -
IGN
VSS
Tach
NSS
Brk +
GND
I.M. pin 2
SW: Ign
SW: Coast
SW: ON Led
SW: Not Used
SW: Not Used
SW: On/Off
SW: Set/Resume
SW: Gnd
20 pin connector wire side

Revision	Date of Change (mm.dd.yy)	Author	ECN #	Description of Change
1	01/23/06	S. McDougald	N/A	Initial Draft
RTP	03/14/06	R.R. DesGroseilliers	A-21390	Released to Production
A	04/21/06	R.R. DesGroseilliers	A-21420	Changed according to recommendations from AVG
B	05/23/06	R.R. DesGroseilliers	A-21449	Added warning about 4 pin connnector