

250-9000
06-08 SUZUKI FORENZA/RENO
07-10 CHEVROLET AVEO/WAVE
09-10 PONTIAC G3
CRUISE CONTROL INSTALLATION INSTRUCTIONS

SERVICE PART NUMBERS

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	CONTROL MODULE	250-2711
2	1	MAIN HARNESS	250-2712
3	1	ECM HARNESS	250-2690
4	1	SWITCH	250-3742
5	1	SACK PARTS	250-2713

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INSTALLATION

A. INSTALLATION PREPARATION:

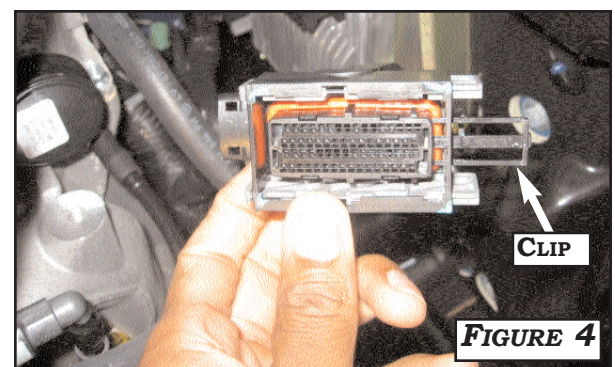
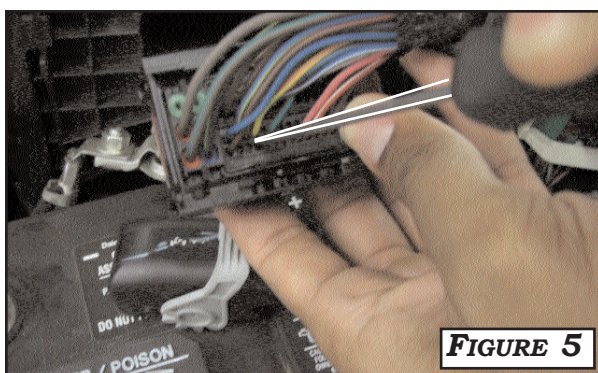
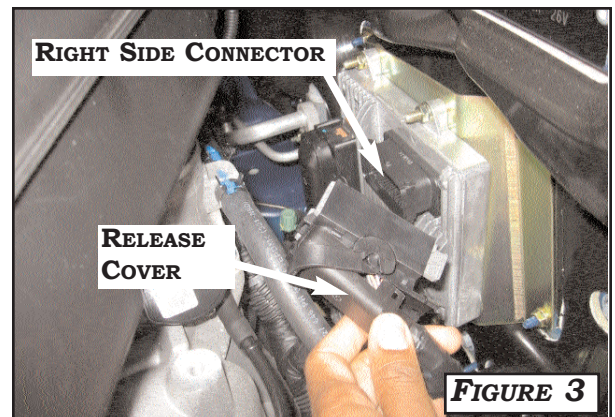
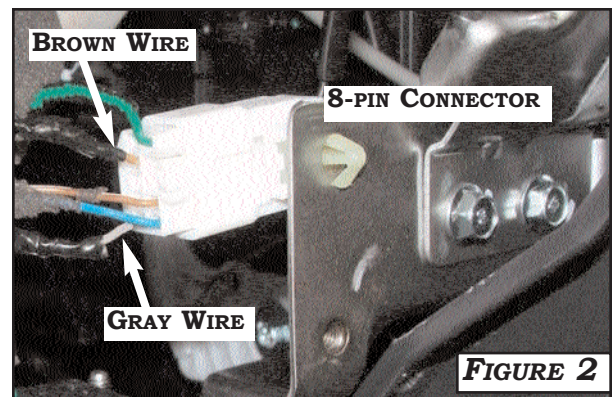
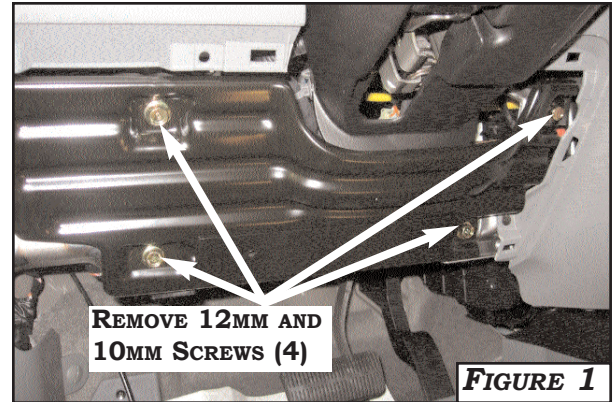
- 1. DISCONNECT NEGATIVE BATTERY CABLE BEFORE INSTALLATION.** REMOVE KNEE PANEL UNDER STEERING COLUMN, THEN REMOVE **12MM AND 10MM SCREWS (4)** TO RELEASE STEEL PANEL. **FIGURE 1**
- 2.** REMOVE LOWER STEERING COLUMN COVER AND DRIVER SIDE KICK PANEL. **FIGURE 1.**
- 3. 09-10 AVEO/G3:** LOCATE THE 8-PIN CONNECTOR ON METAL BRACKET BEHIND REMOVED STEEL PANEL. CONNECT THE **WHITE WIRE** FROM ECM CRUISE HARNESS MARKED **CRUISE 1** TO THE **GRAY WIRE** OF CONNECTOR. CONNECT THE **GREEN WIRE** MARKED **CRUISE 2** TO THE **BROWN WIRE** OF CONNECTOR. **FIGURE 2.** CONNECT **BLACK WIRE** OF MAIN CRUISE HARNESS TO **BLACK WIRE** OF GROUND POINT LOCATED AT DRIVER-SIDE KICK PANEL. CONTINUE TO SWITCH INSTALLATION.

FORENZA/RENO: REMOVE AIR DUCT IN ENGINE COMPARTMENT TO ACCESS ECM. REMOVE RIGHT SIDE ECM CONNECTOR. **FIGURE 3.**

08 AVEO: REMOVE **BOTTOM** CONNECTOR AT ECM LOCATED BESIDE FUSE BOX AND BATTERY. RELEASE TOP COVER OF CONNECTOR TO ACCESS PIN LOCATION.

B. HARNESS INSTALLATION:

- 1. CAREFULLY REMOVE CENTER SLOT CLIP AS SHOWN IN FIGURE 4.**
- 2.** USING A PRECISION TOOL, REMOVE THE GREASE IN **PIN 45.** **FIGURE 5**



B. HARNESS INSTALLATION (CONT):

3. INSERT **WHITE WIRE** OF ECM HARNESS TO **PIN 45** OF ECM CONNECTOR ENSURING PIN LOCKS INTO PLACE. **FIGURE 6**. REASSEMBLE CONNECTOR, INCLUDING CENTER SLOT CLIP. BE SURE TO PLACE CONNECTOR BACK ON ECM SECURELY.

NOTE: SOME 08 CHEVY AVEOS WILL HAVE GREEN/WHITE OR GRAY WIRE IN PIN 45. CONNECT WHITE WIRE TO EXISTING WIRE.

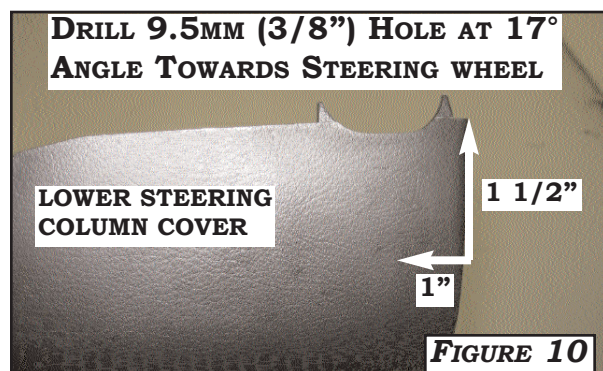
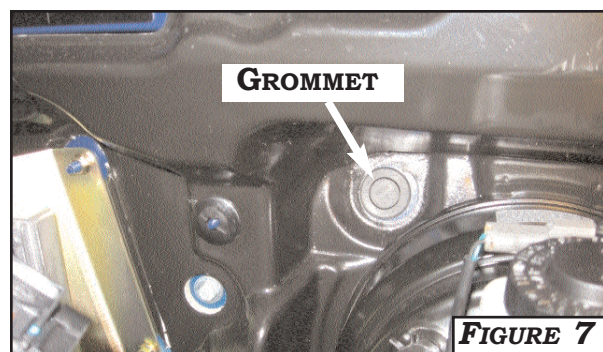
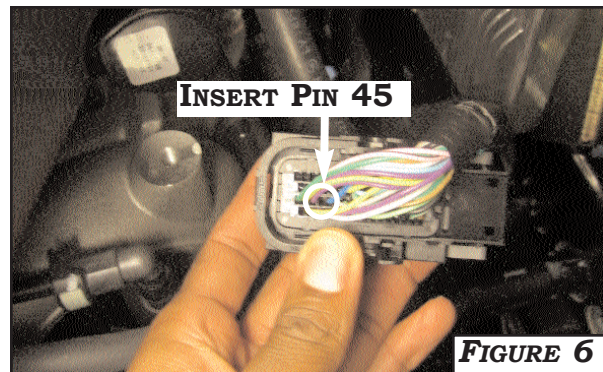
4. ROUTE WIRE THROUGH ACCESS GROMMET AS SHOWN IN **FIGURE 7**.

5. CONNECT **WHITE WIRE** OF ECM HARNESS TO **WHITE WIRE** MARKED **CRUISE 1** OF MAIN CRUISE HARNESS. CONNECT **+12V RED WIRE** FROM MAIN CRUISE HARNESS TO **PINK WIRE** FURTHEST TO LEFT BEHIND FUSE PANEL OR OTHER +12V IGNITION POWER SOURCE. **FIGURE 8**

6. CONNECT **BLACK WIRE** OF MAIN CRUISE HARNESS TO **BLACK WIRE** OF GROUND POINT LOCATED AT DRIVER-SIDE KICK PANEL. **FIGURE 9**. CONNECT **GREEN WIRE** MARKED **CRUISE 2** OF MAIN CRUISE HARNESS TO SAME **BLACK WIRE** GROUND POINT.

C. SWITCH INSTALLATION:

1. ALIGN TAPE MEASURE ON SHROUD AND MARK HOLE AS SHOWN IN **FIGURE 10**. USE THE **LEVER WEDGE** AS AN ANGLE TEMPLATE TO DRILL **9.5MM OR 3/8"** HOLE IN LOWER SHROUD.



C. SWITCH INSTALLATION (CONT):

2. POSITION THE LOCKWASHERS AS SHOWN IN **FIGURE 11**. START NUT AND POSITION THE LETTERING FOR DRIVER'S BEST VIEW. FULLY SECURE NUT AT **2.5-2.8Nm**. **DO NOT OVERTIGHTEN**.
3. INSTALL 4 PIN CONNECTOR ON **RED, BROWN, GREEN, AND YELLOW** SWITCH WIRES. INSTALL 2 PIN CONNECTOR ON **BLUE** AND **BLACK** WIRES OF SWITCH HARNESS SUCH THAT, WHEN CONNECTED TO MAIN CRUISE HARNESS, **BLACK** GOES TO **BLACK** AND **BLUE** GOES TO **RED**. **FIGURE 12**.
4. CONNECT SWITCH HARNESS TO MAIN CRUISE HARNESS. VERIFY THAT ALL COLORS MATCH WITH THE EXCEPTION OF THE **BLUE** TO **RED** WIRE CONNECTION ON THE 2 PIN CONNECTOR. CONNECT MAIN CRUISE HARNESS TO CRUISE CONTROL MODULE.

D. REASSEMBLY:

1. REINSTALL DRIVER SIDE KICK PANEL, LOWER STEERING COLUMN COVER, STEEL COVER, AND KNEE PANEL UNDER STEERING COLUMN.

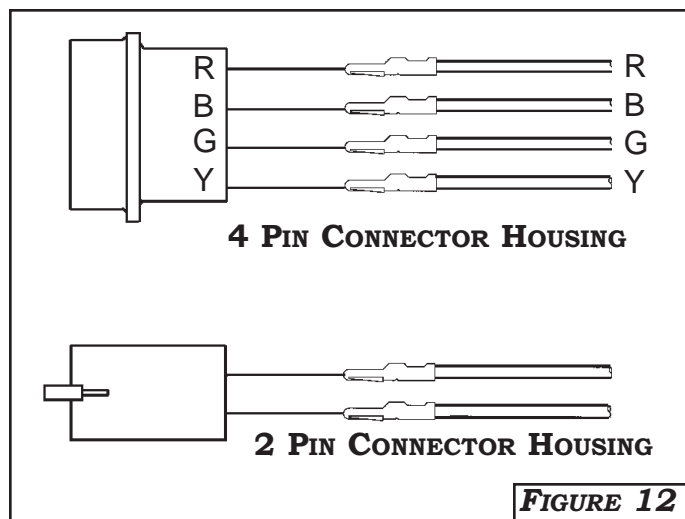
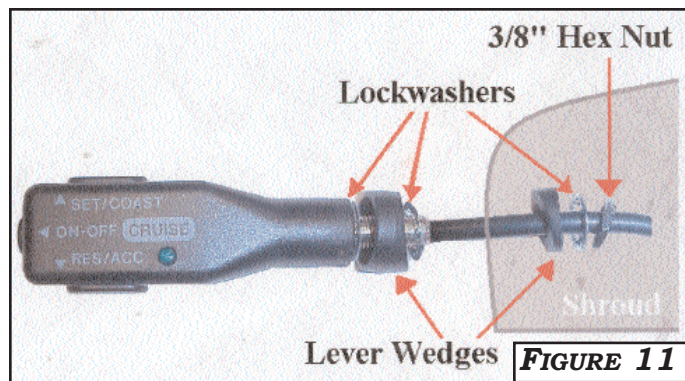
2. SECURE ALL WIRES WITH WIRE TIES.

3. RECONNECT NEGATIVE BATTERY CABLE.

E. TESTING:

1. TEST CRUISE FUNCTIONS IN ACCORDANCE WITH OPERATING INSTRUCTIONS.

IMPORTANT: VERIFY CRUISE DISENGAGES WHEN VEHICLE IS PUT IN NEUTRAL OR BRAKE IS DEPRESSED.



TROUBLESHOOTING

1. Check black and green wires with meter for ground no higher than 3 ohms of resistance.
2. Check Red wire for ignition 12 volts.
3. With everything connected, check White wire voltages at the control module in harness:

Off: 5 volts on White wire from the ECM

On: 3.7 volts on White wire.

On with "Set" pressed: 2.2 volts on White wire.

On with "Resume" pressed: 2.8 volts on White wire.



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