

Analog Wiring & Set Up

Instruction Sheet



4/25/2014

Doc# 1013

FOLLOW THESE INSTRUCTIONS ONLY!!

DO NOT GO INTO BOOK

Analogue Wiring Instructions and Setup

Wiring Harness:

Once you have the location for the electronic module, you are now ready to mount the main wiring harness of the Cruise control. Use a voltmeter to find the right connection points in the car.

Step 1 (IGN Connection): Connect the ORANGE Wire to a fused Ignition Switched +12V feed.

NOTE: Check with a Voltmeter that the ignition switch feed you select supplies a full battery voltage. A suitable location is usually at the fuse box. It is NOT recommended to connect this orange wire to vehicle accessory (ACC) power wire. Make sure that the ignition key is in the off position before making the connection.* **DISCONNECT THE NEGATIVE SIDE OF BATTERY before you continue!**

Step 2 (Brake switch connection): Connect the BROWN wire to the permanent feed (+30) or ignition switched feed (+15) of the brake-switch.

Connect the BROWN/WHITE wire to the switch wire of the brake-switch. This wire should read the battery voltage (+12V) when the brake pedal is depressed and zero (0V) when released

Digital Brake Link connection: for vehicles with a digital brake link, connect the BROWN wire to a permanent ignition switched feed (+15) at another location (for example fuse-box).

Connect the BROWN/WHITE wire to the wire that supplies voltage to the brake lights when the brake pedal is pushed. This wire will read ground through the brake light bulbs when the brake pedal is released and 12 volts when the brake pedal is pushed. Possible locations for this wire are the sill harnesses to the rear of the vehicle or fuse box.

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Step 3 (Purple wire Neutral connection): If you have a Manual Transmission make sure you connect this wire. The PURPLE wire can be connected at 3 different locations.

A - O.E. Clutch Switch

B – Neutral or Park Lamp (automatic gear box only) locate the switch which detects when the vehicle is in Neutral or Park.

C – Hand Brake on Lamp. Locate the hand brake switch.

Connect the Purple wire to the wire that:

- Switches to ground or
- Loses ground or
- Switches from ground to positive or
- Switches from positive to ground when the clutch pedal is depressed.

Step 4: (Speed Signal Connection): Connect the BLUE Wire to a road speed signal wire with a voltage from 1.5 volt to 24 volts & a frequency between 6Hz & 8.5KHz. Identifying a suitable speed pulse signal:

- A. Car Radio. If the car has an ISO connector the speed pulse will be in chamber 3 pin 1 or 5.
- B. Electronic speedometer – rear of the instrument cluster, or loom to instrument cluster.
- C. Gearbox speed sensor-mounted on the gearbox usually has 3 wires. A 12 volt (+15) supply, a Ground and a Signal wire.
- D. Engine ECU road speed signal.

Once you have made your connections in Steps 1-4, attach your T-harness and install your Switch. After all this has been completed then follow the instructions for Throttle Pedal Programming and Manual PPM Programming.

***CONNECT NEGATIVE SIDE OF BATTERY**

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THROTTLE PEDAL PROGRAMMING

For all vehicles it is required to program the throttle pedal to the cruise control system for optimal operation of the system.

1. Turn ignition switch to the ON position, **DO NOT** start vehicle.
2. Turn cruise control on. (For column mounted switch, push switch towards dash and quickly release.)
3. Press and hold the Brake pedal, then press the set button 4 times. (press UP 4 times, in quick succession, for column mounted switch) You will hear 4 beeps. Continue to hold the brake pedal for the next step.
4. Press the resume button (press DOWN and release quickly for column mounted switch) 1 time. You will hear 1 low beep. Release the brake pedal and you will hear 1 high beep. You are now in the pedal set-up mode.
Press the set button (press UP and release quickly for column mounted switch) 1 time and release to learn the values of the throttle pedal in the idle position. You will hear 1 high beep.
5. Press the throttle pedal to full throttle, once at full throttle press resume (push DOWN and release quickly on column mounted switch) to store the throttle pedal outputs. You will hear 1 high tone beep. Slowly release the throttle pedal and it should keep sounding low tone beeps. Release the throttle pedal completely.
6. Press and hold the brake pedal, then press the set button 4 times (press UP 4 times in quick succession for column mounted switch) you will hear 1 long beep. Then turn the vehicle off.
7. The throttle pedal sensors are now stored in the cruise control module.
Continue to next page for Manual PPM Programming.

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Manual PPM Programming

For all analog installs it is required to program this setting to optimize the efficiency of your cruise control.

1. Make sure your vehicle is in park and start the engine. Within 50 Seconds of starting the vehicle turn your cruise control on (for column mounted switch, push switch towards dash and quickly release).
2. Press and hold the Brake pedal, then press the Set button 4 times (press UP 4 times in quick succession for column mounted switch). You will hear 4 beeps. Continued to hold the brake for the next step.
3. Press the Resume button 2 times (press DOWN 2 times in quick succession for column mounted switch). You will hear 2 Low beeps. Release the brake pedal and you will hear 2 Hi tones. You are now in the Manual PPM setup mode. If you hear the incorrect number of Hi tone beeps, repeat the Brake pedal and Resume Switch sequence.
4. Drive the car at a speed of 45 mph or more. Press the Set button (press UP 1 time and release quickly for column mounted switch). The cruise control will give 1 beep and will engage. Drive for about a mile. If the cruise control is maintaining the speed accurately and fluently on the programmed speed then continue to step 5.
If the cruise control is lowing the set speed then adjust the INIT value with the SET and RES buttons. SET will increase and RES will decrease the initial value of the cruise control. (For column mounted switch SET is up and RES is down). The INIT setting range is between level 1 and 15. Pressing the SET button to increase the INIT will be responded by one Hi tone beep per count. Pressing the RES button to decrease the INIT will be responded by one Low tone beep per count.
5. To save these settings press the Brake pedal, you will hear 2 Hi tones, while holding the Brake, press the SET button 4 times (press UP 4 times in quick succession for column mounted switch). You will hear 1 Long Beep which means you have exited the Setup mode.
6. Now drive your vehicle and test out your cruise control.

