

## AP900C ANALOG WIRING

**CAUTION: ALWAYS DISCONNECT THE BATTERY BEFORE DOING ANY ELECTRICAL CONNECTIONS ON YOUR VEHICLE. ALWAYS CHECK ALL CONNECTIONS WITH A VOLTMETER. ALWAYS SOLDER ALL CONNECTIONS FOR THE BEST RESULTS.**

1. 8 Pin connector; connects to your cruise control switch.
2. 4 Pin connector; with **Pink, Green, Orange and White wires** is not used at this time.
3. 2 Pin connector; with **Blue and Blue/White** twisted wire is not used at this time. This wire is used in digital mode only.
4. 2 Pin connector; with **Purple and Green/White wire** is Neutral connection.  
Connect the **Purple wire** only to:
  - A. O.E.M clutch switch  
Switch to ground.  
Lose of ground.  
Switch from ground to positive.  
Switch from positive to ground when the clutch pedal is depressed.
  - B. Neutral or parking lamp. (Automatic transmission only)
  - C. Hand brake

**WARNING: CHECK THIS CONNECTION CAREFULLY AS AN INCORRECT CONNECTION COULD RESULT IN ENGINE DAMAGE.**  
**THE CRUISE CONTROL WILL OPERATE AS NORMAL WITHOUT THIS WIRE CONNECTED HOWEVER; IF THE VEHICLE IS PLACED IN NEUTRAL, WITH CRUISE ON, IT COULD RESULT IN ENGINE DAMAGE.**
5. Twisted **Brown and Brown/White** wires go to brake switch.
6. **Brown** wire to the positive side of the brake light switch, this wire shows 12 volts when checked with a volt/ohm meter.
7. **Brown/White** wire to the negative side of the brake light switch, this wire will show 12 volts when checked with a volt/ohm meter when the brake pedal is depressed.  
**NOTE: IF THE VEHICLE HAS LED BRAKE LIGHTS OR THE BRAKE LIGHT DOES NOT REST AT GROUND, YOU WILL NEED TO ADD A 5 PIN RELAY TO THIS WIRE.**  
**CONNECT PIN 86 AND PIN 30 TO GROUND. PIN 85 TO THE NEGATIVE SIDE OF THE BRAKE. PIN 87A TO THE BROWN/WHITE WIRE.**
8. **Blue wire** goes to Vehicle Speed Sensor.
  - A. Electric speedometer.
  - B. Electronic control module, Body control module or the Power control module.
  - C. Transmission speed sensor.
9. **Yellow wire** goes to tachometer signal. (Optional for automatic transmission and should be used as a backup for the clutch switch on a manual transmission.)
  - A. Electronic control module, Body control module or the Power control module.
  - B. The negative side of the ignition coil.
10. **Orange wire** goes to a fused 12 volt switched source of power.

**Continue to the Green Analog Booklet.** For Technical call 763-241-4172

