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## **WIRING SCHEMATICS**

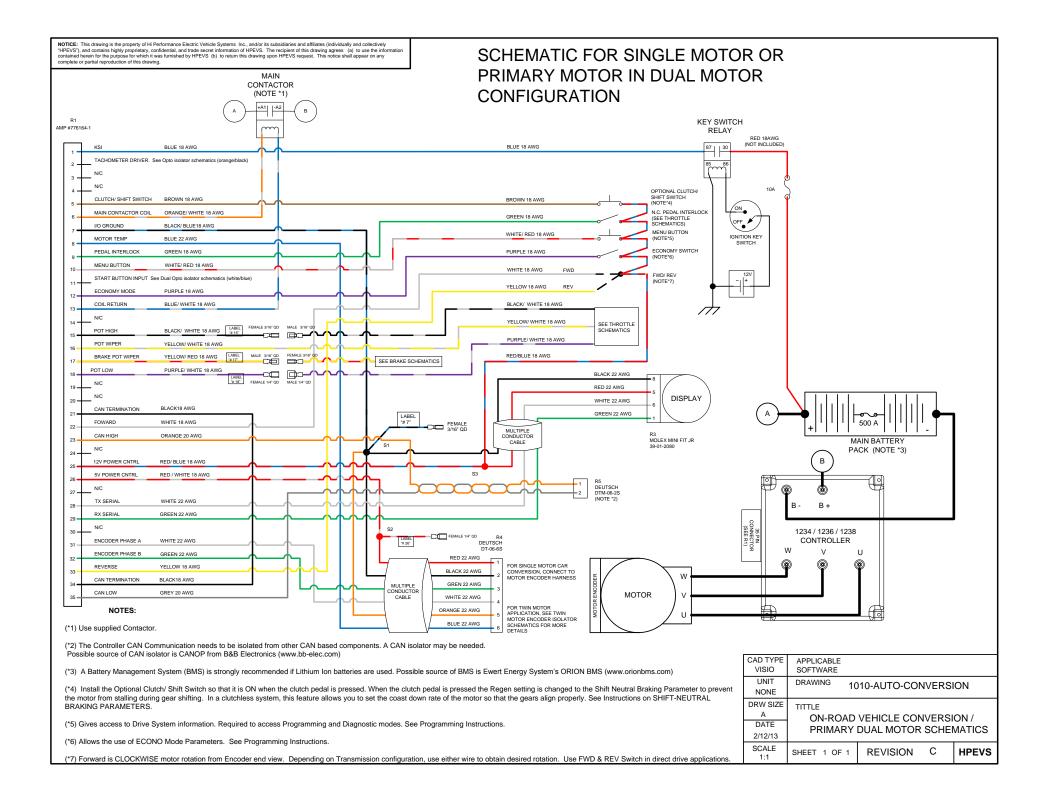
# ON-ROAD VEHICLE CONVERSION WITH A SINGLE OR DUAL MOTOR CONFIGURATION

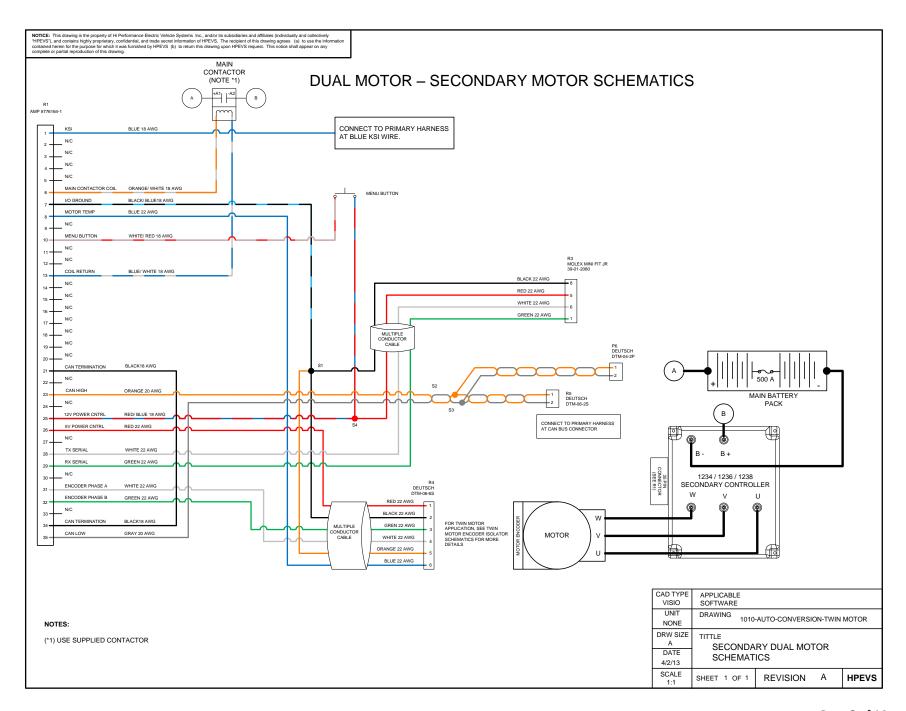
FOR SOFTWARE VERSIONS 5.00 AND HIGHER

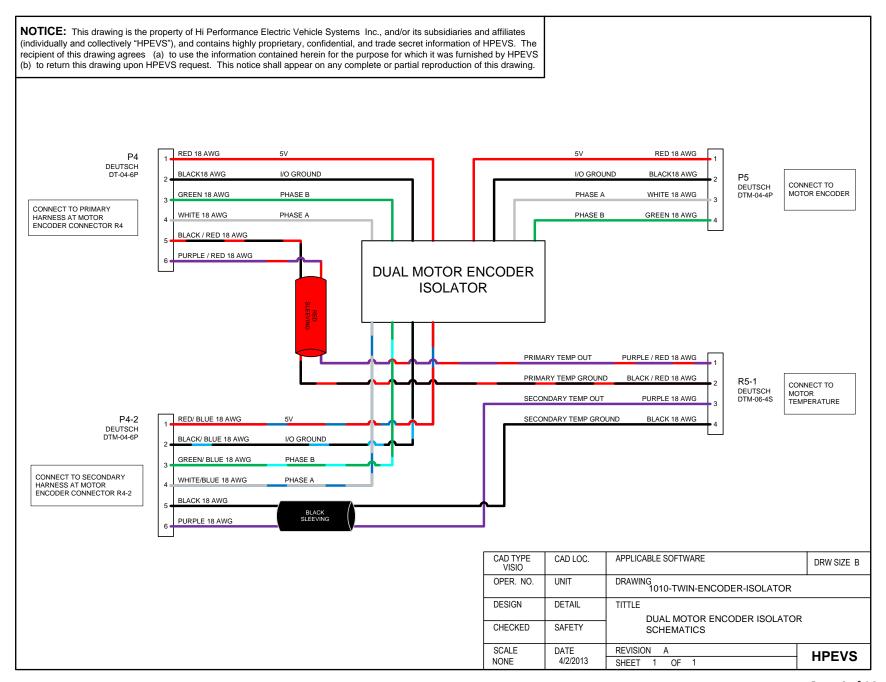
FOR CURTIS CONTROLLERS 1234/1236/1238

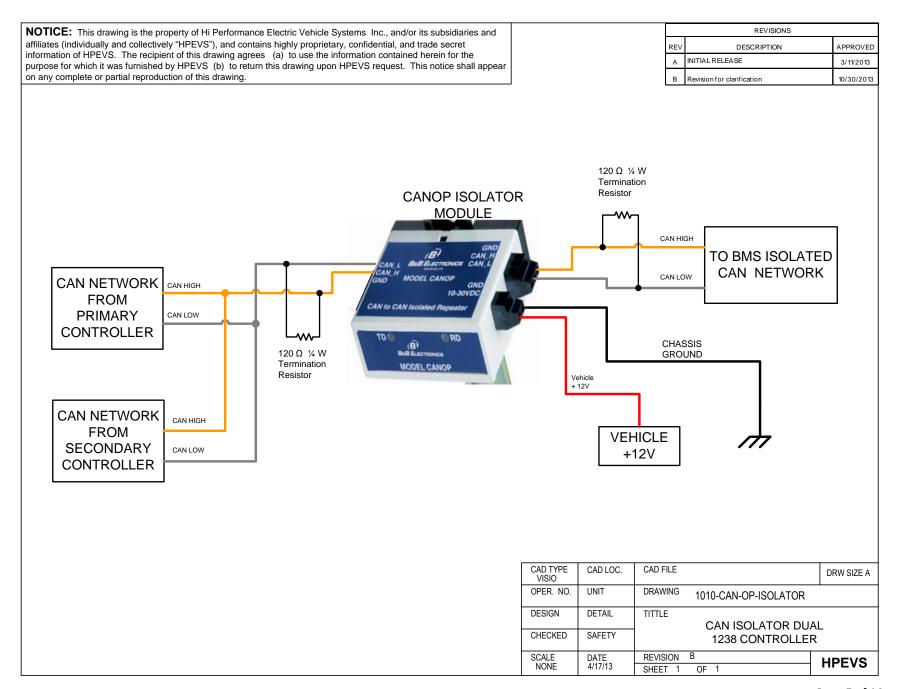
**REVISION: A** 

Date: 11/01/2013









### THROTTLE CONFIGURATION

Depending of the type of throttle used for the application, see below table to determine the appropriate connection. Electrical schematics are also included in page 7 through 9.

| THROTTLE CONFIGURATION       | ТҮРЕ   | ELECTRICAL CONNECTIONS   |
|------------------------------|--------|--|
| 2 WIRE with<br>SWITCH 0-5k Ω | TYPE 2 | Connect PURPLE / WHITE wire labeled #18 with PURPLE / WHITE wire. Ending connection at throttle pot low.  YELLOW / WHITE wire connected to throttle wiper  |
| 3 WIRE with                  |        | Connect BLACK / WHITE wire labeled #15 with BLACK/ WHITE wire. Ending connection at throttle pot high.  Connect PURPLE / WHITE wire labeled #18 WITH PURPLE / WHITE wire. Ending connection at throttle pot low. |
| SWITCH 0-5k Ω                | TYPE 3 | Connect YELLOW / WHITE wire connected to throttle wiper.   |
|                              |        | Disconnect any wire connected to BLACK/WHITE wire labeled #15.  Disconnect any wire from PURPLE/ WHITE wire labeled #18.   |
|                              |        | Connect BLACK /BLUE WIRE LABELED #7 with BLACK/ BLUE wire. Ending connection at electronic throttle ground.  |
| ELECTRONIC                   |        | Connect RED/ WHITE wire labeled #26 with PURPLE / WHITE wire. Ending connection at throttle +5V input.   |
| without SWITCH               | TYPE 1 | Connect YELLOW / WHITE wire to electronic throttle signal.   |

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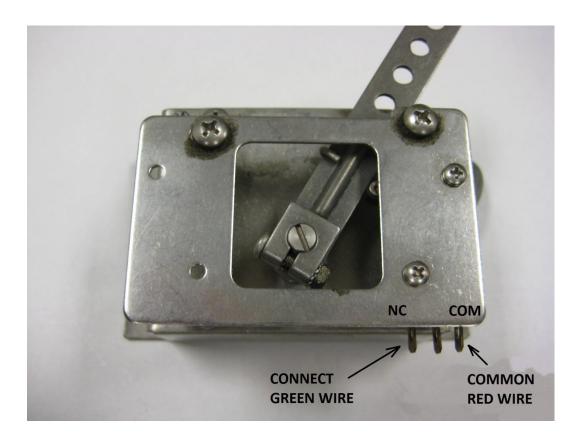
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#### PEDAL INTERLOCK CONNECTION

The pedal interlock connection is required for both 2 and 3 wire throttle pot assemblies. The Green wire is connected at Normally Closed tab. Red wire is connected at common tab. See below picture.

NOTE, when accelerator pedal <u>IS PRESSED</u> the interlock switch is released to its <u>NORMAL</u> position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

Electronic throttles usually do not have an interlock switches. In this application, the Green and Red wires are connected together.



### **BRAKE POT CONFIGURATION**

Depending of the type of brake pot used for the application, see below table to determine the appropriate connection. Electrical schematics are also included in page 12 & 13.

| TYPE   | ELECTRICAL CONNECTIONS   |
|--------|--|
|        | Connect PURPLE / WHITE wire labeled #18 with PURPLE / WHITE wire. Ending connection at brake pot low.                  |
| TYPE 2 | Connect YELLOW / RED wire labeled #17 with wire YELLOW/ RED wire. Ending connection at brake wiper.                    |
|        | Connect RED/ BLUE wire to brake transducer +12V input.   |
|        | Connect BLACK/ BLUE wire labeled #7 with Black/BLUE wire. Ending connection at brake transducer ground.                |
| TVDE 1 | Connect YELLOW / RED wire labeled #17 with wire YELLOW/ RED wire. Ending connection at brake transducer output signal. |
|        |  |

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