

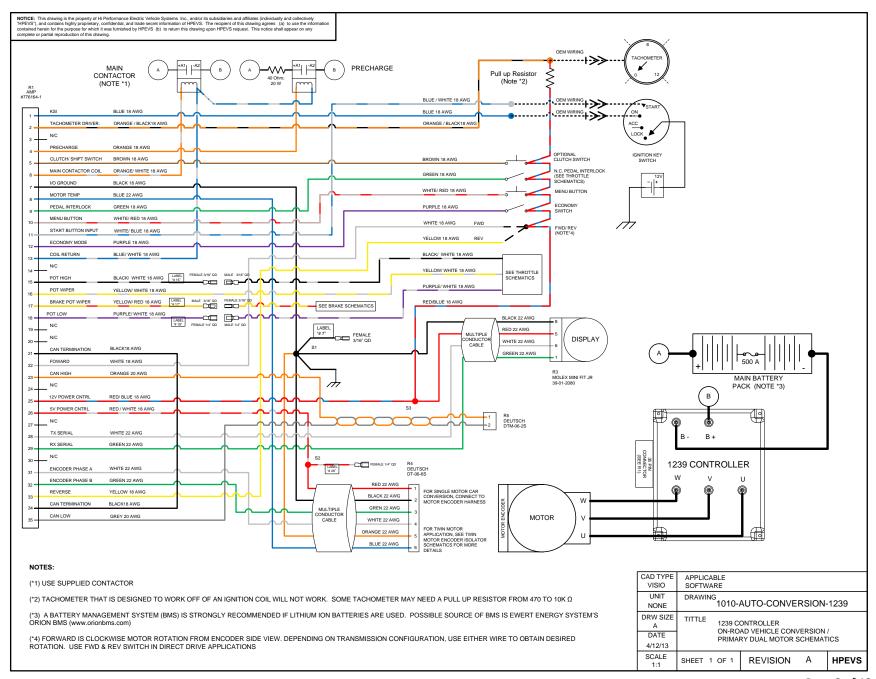
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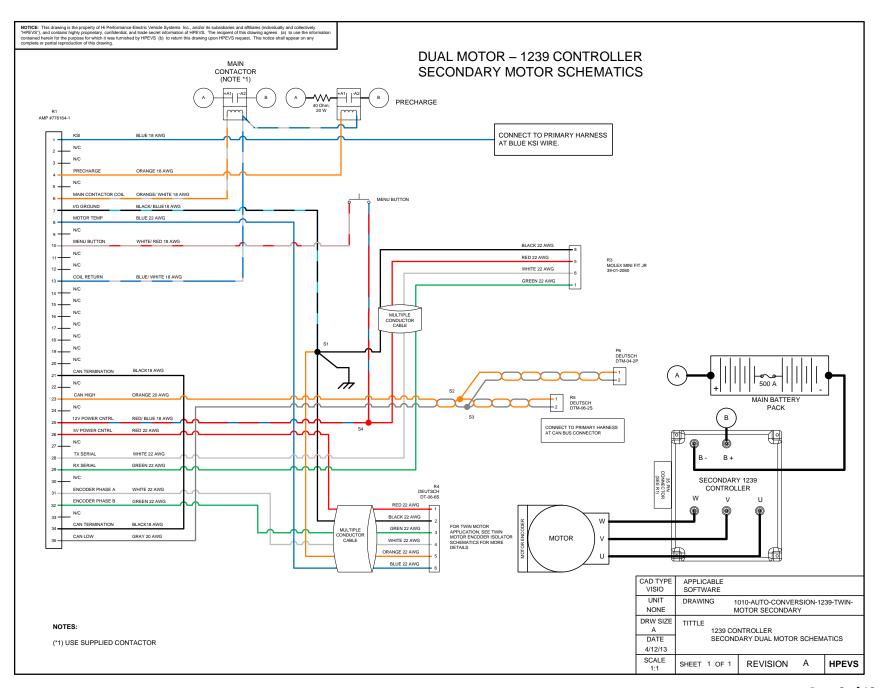
WIRING SCHEMATICS

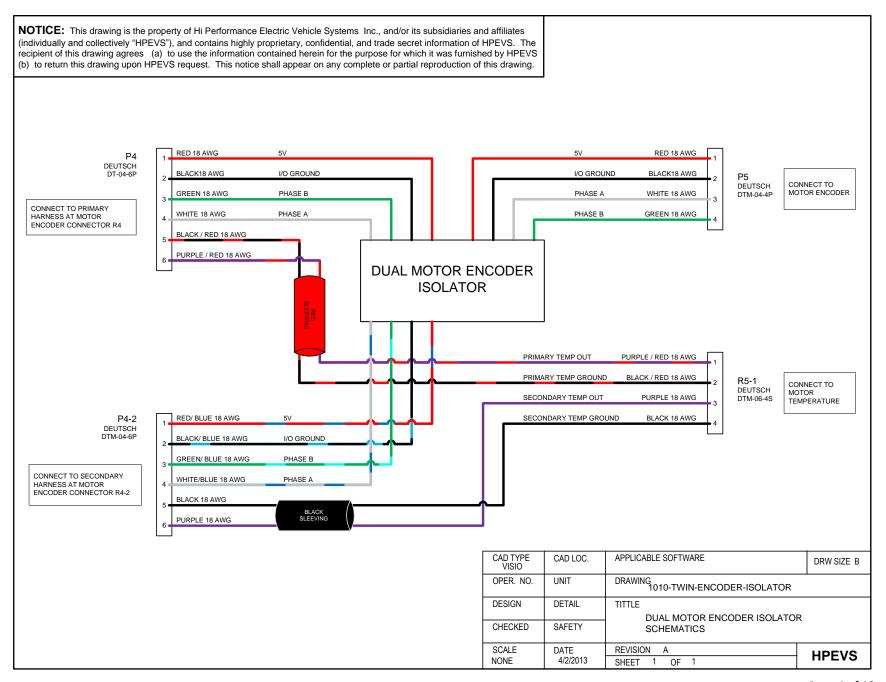
FOR SOFTWARE VERSIONS 5.00 AND HIGHER

FOR CURTIS 1239 CONTROLLER ON-ROAD VEHICLE CONVERSION SINGLE AND DUAL MOTOR APPLICATIONS

REVISION: A Date 4/26/2013







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 6 through 8.

THROTTLE CONFIGURATION	TYPE	ELECTRICAL CONNECTIONS
		Connect PURPLE / WHITE wire labeled #18 with PURPLE / WHITE wire.
2 WIRE with		Ending connection at throttle pot low.
SWITCH 0-5k Ω	TYPE 2	YELLOW / WHITE wire connected to throttle wiper
		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.
3 WIRE with		
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 WIRE LABELED #7 with BLACK wire. Ending connection at electronic throttle ground.
		Connect RED/ WHITE wire labeled #26 with PURPLE / WHITE wire. Ending connection at throttle +5V input.
ELECTRONIC		Linding connection at throttle 134 mpat.
without SWITCH	TYPE 1	Connect YELLOW / WHITE wire to electronic throttle signal.

NOTICE: This drawing is the property of Hi Performance Electric Vehicle Systems Inc., and/or its subsidiaries and REVISIONS affiliates (individually and collectively "HPEVS"), and contains highly proprietary, confidential, and trade secret APPROVED DESCRIPTION information of HPEVS. The recipient of this drawing agrees (a) to use the information contained herein for the INITIAL RELEASE 1/22/2013 purpose for which it was furnished by HPEVS (b) to return this drawing upon HPEVS request. This notice shall appear on any complete or partial reproduction of this drawing. 2 WIRE TYPE 2 **THROTTLE** YELLOW / WHITE PURPLE / WHITE POT LOW NC RED/BLUE COM NORMALLY CLOSED INTERLOCK SWITCH** **GREEN** ** When accelerator pedal IS PRESSED the interlock switch is released to its **NORMAL** position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection. CAD TYPE VISIO CAD LOC. CAD FILE DRW SIZE A OPER. NO. DRAWING UNIT 1010-THROTTLE-001 DESIGN DETAIL TITTLE

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SCALE NONE SAFETY

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SHEET 1 OF 3

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2 WIRE TYPE 2

THROTTLE

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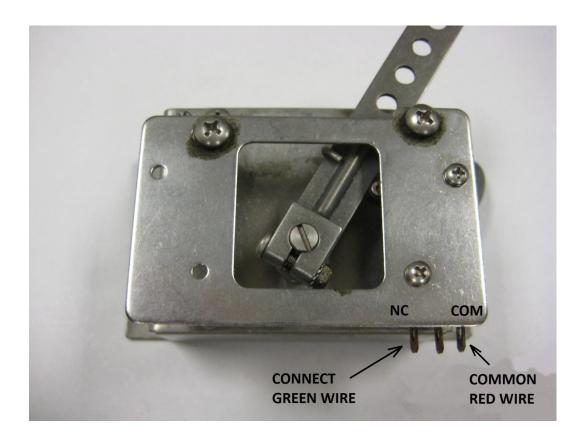
NOTICE: This drawing is the property of Hi Performance Electric Vehicle Systems Inc., and/or its subsidiaries and REVISIONS affiliates (individually and collectively "HPEVS"), and contains highly proprietary, confidential, and trade secret REV APPROVED DESCRIPTION information of HPEVS. The recipient of this drawing agrees (a) to use the information contained herein for the INITIAL RELEASE 1/22/2013 purpose for which it was furnished by HPEVS (b) to return this drawing upon HPEVS request. This notice shall appear on any complete or partial reproduction of this drawing. **ELECTRONIC** BLACK / BLUE (BLACK IN 1239 CTRL) THROTTLE** **GROUND** SIGNAL YELLOW / WHITE **ELECTRONIC** THROTTLE PURPLE / WHITE +5V ** When Electronic pedal is used, the GREEN wire from pedal interlock does not need to be connected CAD TYPE VISIO CAD FILE CAD LOC. DRW SIZE A OPER. NO. UNIT DRAWING 1010-THROTTLE-001 DESIGN DETAIL TITTLE **ELECTRONIC THROTTLE** CHECKED SAFETY SCALE NONE DATE 1/22/13 REVISION A **HPEVS** SHEET 3 OF 3

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 11 & 12.

BRAKE POT CONFIGURATION	ТҮРЕ	ELECTRICAL CONNECTIONS
		Connect PURPLE / WHITE wire labeled #18 with PURPLE / WHITE wire. Ending connection at brake pot low.
2 WIRE 0-5k Ω	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 wire labeled #7 with Black wire. Ending connection at brake transducer ground.
BRAKE TRANSDUCER	TYPE 1	Connect YELLOW / RED wire labeled #17 with wire YELLOW/ RED wire. Ending connection at brake transducer output signal.

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