Isolation Amplifier P/N 63.02.017
Control of two VariFuel2 Air/Gas Mixers with EmCon5 Emissions Controller

Using the isolation amplifier P/N 63.02.017, you can pass on the position signal of an EmCon5 emissions controller to a second VariStep3 stepper motor driver. This way you can control two VariFuel2 air/gas mixers with one EmCon5 emissions controller on a V-engine. Please note:

1. On the isolation amplifier, the DIP switches of banks S1 and S2 must be set as shown.

2. The jumper of the control output Mixer Output of the EmCon5 must be set in current (I) position as shown (see EmCon5 Operating Manual). For measuring manifold pressure (MAP) and manifold temperature (MAT), use sensors on bank A (see illustration on page 2).

3. In the configuration of both VariStep3 stepper motor drivers, Analog Current must be set as control input and 0 to 20 mA as input current (see VariStep3 Operating Manual).

4. Wire only in a disconnected state and with the engine switched off (see illustration on page 2).

5. If necessary, deviations in the incoming control signal at the VariStep3 of the B bank can be corrected with the potentiometers of the isolation amplifier. The zero potentiometer shifts the signal, the span potentiometer adjusts the signal span.
Wiring
Please note the hint on page 1.

Wire only in a disconnected state and with the engine switched off.