



# UNIVERSAL FOUR-BARREL THROTTLE BODIES

## Catalog #s 3878, 3879, 3888, 38783, 38793, & 38883

### INSTALLATION INSTRUCTIONS

**PLEASE** study these instructions carefully before beginning this installation. Most installations can be accomplished with common tools and procedures. However, you should be familiar with and comfortable working on your vehicle. If you do not feel comfortable performing this installation, it is recommended to have the installation completed by a qualified mechanic. If you have any questions or problems, please call our **Technical Hotline at: 1-800-416-8628**, 7:00 am - 5:00 pm, Pacific Standard Time, Monday through Friday or e-mail us at [edelbrock@edelbrock.com](mailto:edelbrock@edelbrock.com).

#### DESCRIPTION:

These progressive linkage, 4-barrel throttle bodies are designed for use with most aftermarket electronic fuel injection systems. They bolt directly to standard square-bore or 4500 series carburetor mounting flanges and feature a Delphi/GM IAC motor (Stepper Type) or a Hitachi Linear IAC motor (Pulse Width Modulated Type) (See "APPLICATIONS" below).

#### APPLICATIONS:

THROTTLE BODY	DESCRIPTION
<b>3878</b>	1000 cfm (1.75" throttle bores) for standard, square-bore carb mounting flange with Delphi/GM IAC
<b>3879</b>	1600 cfm (2.00" throttle bores) for 4500 series carb mounting flange with Delphi/GM IAC
<b>3888</b>	2000 cfm (2.25" throttle bores) for 4500 series carb mounting flange with Delphi/GM IAC
<b>38783</b>	1000 cfm (1.75" throttle bores) for standard, square-bore carb mounting flange with Hitachi IAC
<b>38793</b>	1600 cfm (2.00" throttle bores) for 4500 series carb mounting flange with Hitachi IAC
<b>38883</b>	2000 cfm (2.25" throttle bores) for 4500 series carb mounting flange with Hitachi IAC

### INSTALLATION

**NOTE:** Throttle bodies are intended for use in applications in which they will be integrated into a custom fuel injection system. Therefore, due to varying applications and custom use of these throttle bodies, these instructions are intended only as a guide. You should be familiar with the setup and wiring of a custom fuel injection system. Wiring diagrams have been provided for information purposes only.

#### Catalog #3878, 3879, & 3888

These throttle bodies are equipped with a Delphi/GM IAC (Stepper Type) (**See Figure 1**). Refer to instructions provided with the ECU being used or contact the manufacturer of your ECU for pin locations and signal output. The Throttle Position Sensor (TPS) (**See Figure 3**) mates with a GM style connector (Packard Metripack part # 12065287 or 12052895). Refer to the instructions provided with the ECU being used or contact the manufacturer of your ECU for pin locations and signal output.

1. Install throttle body on intake manifold using standard carburetor mounting hardware and the supplied gasket.
2. Connect IAC motor and TPS sensor to the appropriate connectors on your wiring harness.
3. Throttle cable mounting may vary, so a throttle cable bracket may need to be fabricated. Throttle cable and bracket are not included. (For Chevrolet applications, Edelbrock offers a variety of universal throttle brackets, see catalog or website for details.)

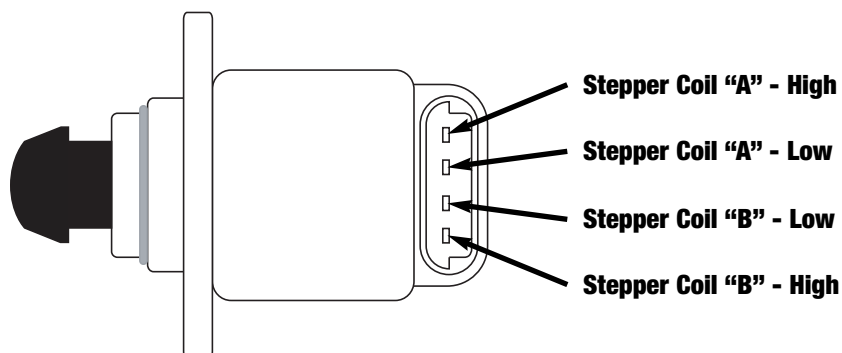
#### Catalog #38783, 38793, & 38883

These throttle bodies are equipped with a Hitachi Linear IAC motor (Pulse Width Modulated Type) (**See Figure 2**). Refer to instructions provided with the ECU being used or contact the manufacturer of your ECU for pin locations and signal output. The Throttle Position Sensor (TPS) (**See Figure 3**) mates with a GM style connector (Packard Metripack part # 12065287 or 12052895). Refer to the instructions provided with the ECU being used or contact the manufacturer of your ECU for pin locations and signal output.

1. Install throttle body on intake manifold using standard carburetor mounting hardware and the supplied gasket.
2. Connect IAC motor and TPS sensor to the appropriate connectors on your wiring harness.
3. Throttle cable mounting may vary, so a throttle cable bracket may need to be fabricated. Throttle cable and bracket are not included. (For Chevrolet applications, Edelbrock offers a variety of universal throttle brackets, see catalog or website for details.)

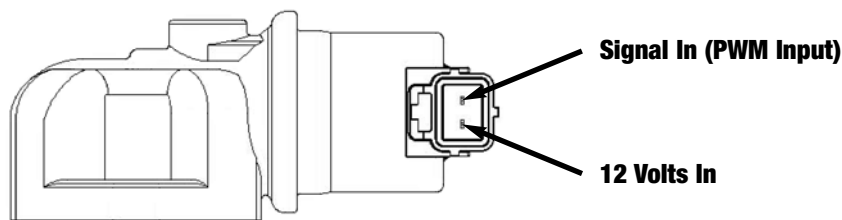
**Figure 1 - GM/Delphi IAC Motor (Stepper Type)**

- IAC motor wiring is shown below, compare this information to the instructions provided with the ECU being used, or contact the ECU manufacturer with this information to determine proper wiring.



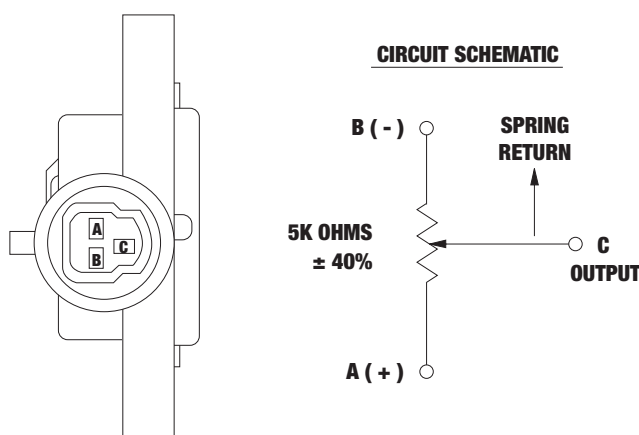
**Figure 2 - Hitachi Linear IAC Motor (Pulse Width Modulated)**

- IAC motor wiring is shown below, compare this information to the instructions provided with the ECU being used, or contact the ECU manufacturer with this information to determine proper wiring.



**Figure 3 - Throttle Position Sensor (TPS)**

- TPS wiring is shown below, compare this information to the instructions provided with the ECU being used, or contact the ECU manufacturer with this information to determine proper wiring.



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