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› ICT Billet LS Drive By Wire Throttle Body Adapter (Model 551567) Instruction Manual

ICT Billet 551567

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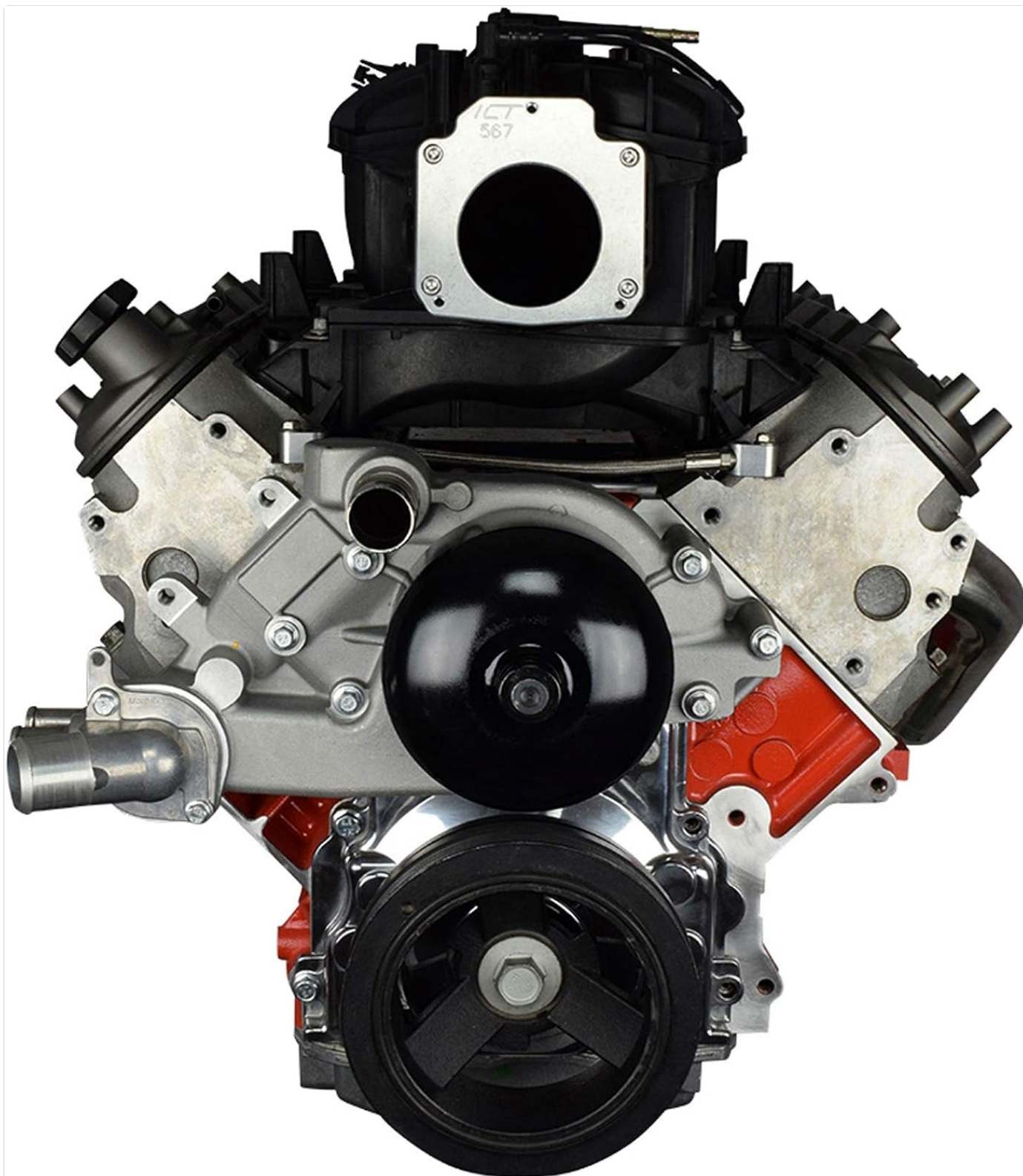
Instruction Manual

PRODUCT OVERVIEW

The ICT Billet LS Drive By Wire Throttle Body Adapter (Model 551567) is designed to facilitate the installation of a 3-bolt Drive By Wire (DBW) LS throttle body onto a 4-bolt LS intake manifold. This adapter is commonly used for applications such as mating an LS1 3-bolt throttle body to an LS2 or LS3 4-bolt intake manifold.

- Allows installation of a 3-bolt DBW LS throttle body onto a 4-bolt LS intake.
- Compatible with throttle bodies up to 75mm.
- Compatible with intake manifolds up to 102mm.
- Includes mounting hardware and gasket for a complete installation.
- Features a natural aluminum finish.

Important Note: This adapter is not compatible with 3-bolt drive by cable throttle bodies or LS4 intake manifolds.



The ICT Billet LS Drive By Wire Throttle Body Adapter shown installed on an engine, connecting a 3-bolt throttle body to a 4-bolt intake manifold.

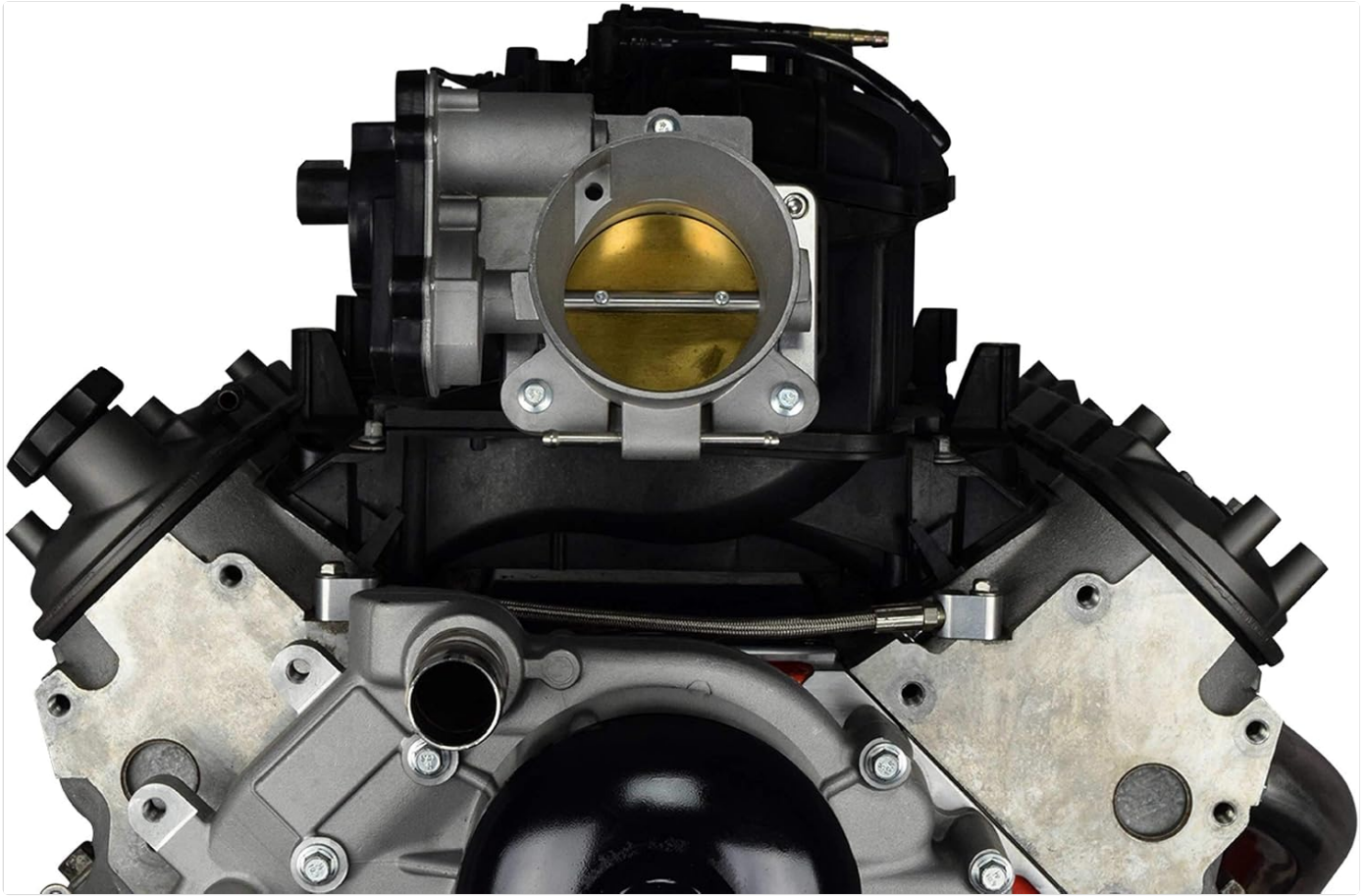
INSTALLATION INSTRUCTIONS

Before beginning installation, ensure the engine is cool and disconnect the battery. Always wear appropriate safety gear, including eye protection. Professional installation is recommended if you are unfamiliar with automotive procedures.

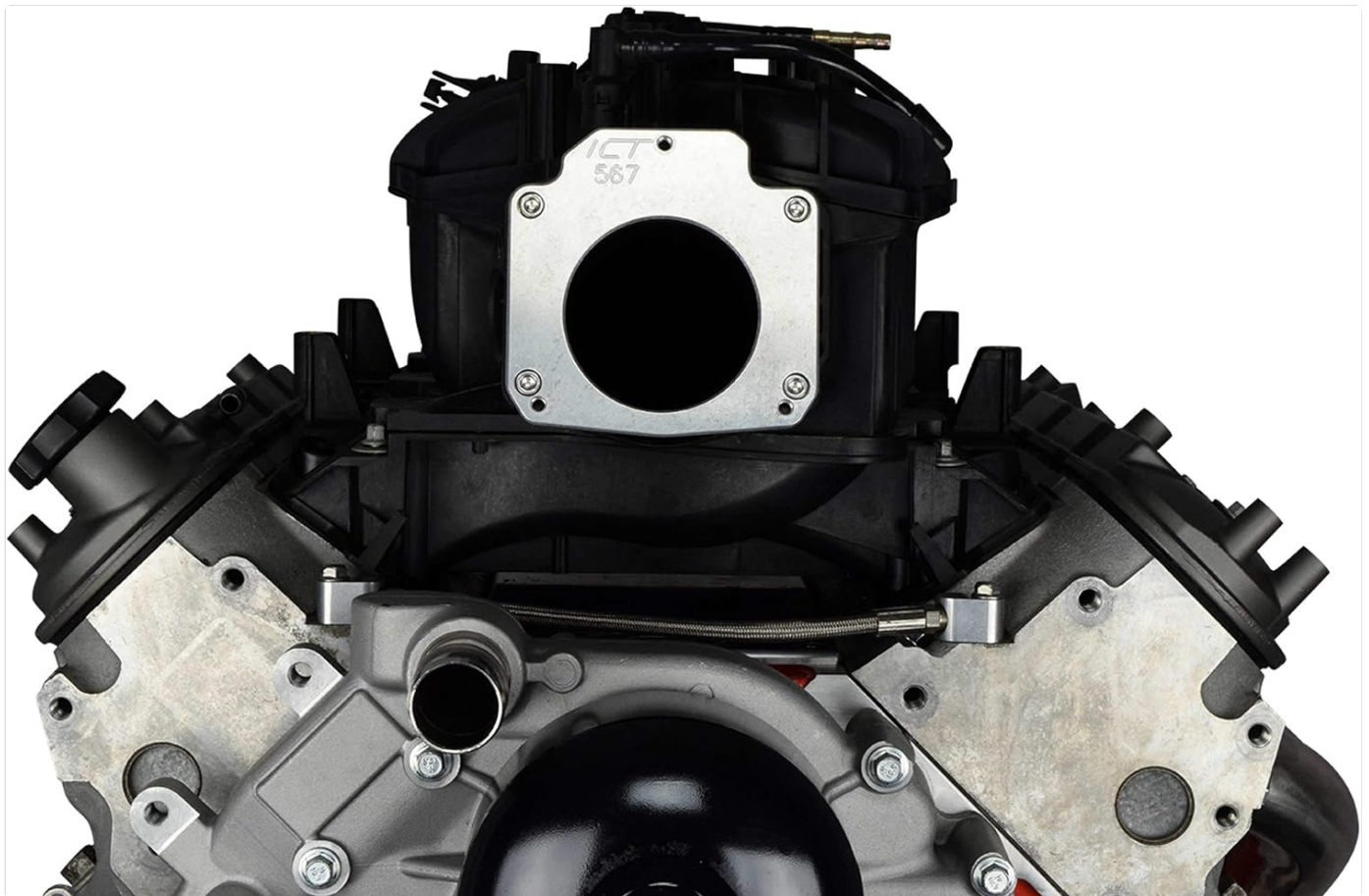
1. **Prepare the Intake Manifold:** Ensure the 4-bolt LS intake manifold surface is clean and free of debris.
2. **Position the Adapter:** Place the provided gasket onto the 4-bolt intake manifold. Then, align the ICT Billet adapter plate (Model 551567) over the gasket, ensuring the bolt holes match the intake manifold.
3. **Install the Throttle Body:** Place the 3-bolt DBW LS throttle body onto the adapter plate. Ensure the throttle body's gasket is

correctly positioned between the throttle body and the adapter.

4. **Secure Components:** Use the provided mounting hardware to secure the throttle body to the adapter, and the adapter to the intake manifold. Tighten all bolts evenly and to the manufacturer's recommended torque specifications to prevent vacuum leaks.
5. **Connect Wiring and Hoses:** Reconnect any necessary wiring harnesses and vacuum hoses to the throttle body.
6. **Final Checks:** Double-check all connections and ensure no tools or debris are left in the engine bay. Reconnect the battery.



A close-up view illustrating the adapter plate and throttle body assembly mounted on the engine's intake manifold.



The ICT Billet adapter plate, showcasing its design for converting a 4-bolt intake pattern to a 3-bolt throttle body pattern.

OPERATION

Once correctly installed, the ICT Billet LS Drive By Wire Throttle Body Adapter functions passively to ensure proper fitment and operation of your 3-bolt DBW throttle body on a 4-bolt LS intake. No specific operational steps are required for the adapter itself beyond its correct installation.

MAINTENANCE

The ICT Billet throttle body adapter is constructed from durable aluminum and requires minimal maintenance. Periodic inspection is recommended:

- **Visual Inspection:** Periodically check the adapter and surrounding components for any signs of wear, damage, or corrosion.
- **Gasket Integrity:** Inspect the gasket for any signs of cracking, tearing, or degradation that could lead to a vacuum leak. Replace the gasket if necessary.
- **Bolt Tightness:** Ensure all mounting bolts remain securely tightened. Over time, vibrations can cause fasteners to loosen.
- **Cleaning:** If necessary, clean the adapter with a mild automotive-safe cleaner and a soft cloth. Avoid abrasive materials.

TROUBLESHOOTING

If you encounter issues after installing the adapter, consider the following common problems and solutions:

- **Vacuum Leaks:**
 - **Symptom:** Rough idle, poor engine performance, or diagnostic trouble codes (DTCs) related to lean conditions.
 - **Solution:** Carefully inspect the gasket between the adapter and the intake manifold, and between the throttle body

and the adapter. Ensure the gasket is properly seated and not pinched or damaged. Verify all mounting bolts are tightened to specification.

- **Incorrect Fitment:**
 - **Symptom:** Adapter or throttle body does not align correctly with bolt holes.
 - **Solution:** Confirm that you are using a 3-bolt DBW LS throttle body and a 4-bolt LS intake manifold. This adapter is not compatible with 3-bolt drive by cable throttle bodies or LS4 intakes.
- **Loose Connections:**
 - **Symptom:** Rattling noises or instability of components.
 - **Solution:** Re-check the tightness of all mounting bolts securing the adapter and throttle body.

TECHNICAL SPECIFICATIONS

Model Number	551567
Brand	ICT Billet
Connector Type	Adapter
Color	Natural Aluminum
Item Dimensions (L x W x H)	5.9 x 6.6 x 1 inches
Item Package Quantity	1
UPC	656729845677
GTIN	656729845677

WARRANTY INFORMATION

Specific warranty details for the ICT Billet LS Drive By Wire Throttle Body Adapter (Model 551567) are not provided within the product information. For warranty inquiries, please contact ICT Billet directly.

CUSTOMER SUPPORT

For technical assistance, installation questions, or any other support needs regarding your ICT Billet LS Drive By Wire Throttle Body Adapter, please contact ICT Billet customer service through their official website or the retailer from whom the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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