

[Manuals.plus](#) /

> [GOWE](#) /

> GOWE Intercooler for Isuzu Chevrolet LUV Dmax D-Max Turbo Diesel 3.0 2012-8-98090627-2 User Manual

GOWE GWE-1030315

GOWE Intercooler User Manual

Model: GWE-1030315 | OEM: 8-98090627-2

PRODUCT OVERVIEW

The GOWE Intercooler is designed to enhance the performance of your vehicle's turbo diesel engine by efficiently cooling compressed air before it enters the engine. This reduces air temperature, increases air density, and ultimately improves combustion efficiency and power output. This specific model is suitable for Isuzu Chevrolet LUV Dmax D-Max Turbo Diesel 3.0 vehicles from 2012 onwards.



Image: The GOWE Intercooler unit, showcasing its core design.

SETUP AND INSTALLATION

Proper installation of the intercooler is crucial for optimal performance and longevity. It is highly recommended that installation be performed by a qualified automotive technician.

Pre-Installation Checklist:

- Ensure the vehicle's engine is cool and disconnected from the battery.
- Gather all necessary tools, including wrenches, sockets, and hose clamps.
- Verify that the intercooler model (GWE-1030315) is compatible with your vehicle (Isuzu Chevrolet LUV Dmax D-Max Turbo Diesel 3.0, 2012+).
- Inspect the intercooler for any shipping damage before beginning installation.

Installation Steps (General Guidance):

- Locate the existing intercooler or the designated mounting area in your vehicle.
- Carefully remove any components obstructing access to the installation area.
- Disconnect and remove the old intercooler (if applicable), ensuring all hoses and clamps are detached.
- Position the new GOWE Intercooler (Model GWE-1030315) in place, aligning mounting points.
- Secure the intercooler using appropriate fasteners.
- Connect all intake and outlet hoses to the intercooler, ensuring a tight, leak-free seal with hose clamps.

- 7. Reconnect any sensors or electrical connections that were detached.
- 8. Reinstall any removed vehicle components.
- 9. Perform a visual inspection to confirm all connections are secure and there are no obstructions.



Image: Technical diagram showing the core and tank dimensions of the intercooler. Core size: 665mm x 152mm, Tank size: 80mm / 80mm x 154mm.

OPERATING PRINCIPLES

The intercooler operates by dissipating heat from the compressed air generated by the turbocharger before it enters the engine's intake manifold. Cooler, denser air allows for more efficient combustion, leading to increased horsepower and torque, and potentially improved fuel economy. No specific user operation is required for the intercooler itself once installed, as its function is passive and integrated into the engine's air intake system.

MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your GOWE Intercooler.

- **Periodic Inspection:** Visually inspect the intercooler and its connections during routine vehicle maintenance. Look for any signs of leaks, cracks, or damage to the fins.
- **Cleaning:** Over time, road debris, dust, and oil residue can accumulate on the intercooler fins, reducing its cooling efficiency. Gently clean the exterior fins with compressed air or a soft brush. For stubborn oil residue, a mild degreaser can be used, followed by a thorough rinse with water. Ensure the intercooler is completely dry before operating the vehicle.
- **Hose and Clamp Check:** Verify that all intake and outlet hoses are securely attached and that hose clamps are tight. Loose connections can lead to boost leaks and reduced performance.
- **Avoid Damage:** Protect the intercooler from physical impact, which can bend fins or cause leaks.

TROUBLESHOOTING

If you experience issues related to your vehicle's turbo system after intercooler installation, consider the following:

Symptom	Possible Cause	Solution
Reduced Engine Power / Boost Loss	Boost leak (loose hose/clamp), damaged intercooler, clogged fins.	Check all hose connections and clamps. Inspect intercooler for damage. Clean fins.
Unusual Noises (Hissing/Whistling)	Air leak from intercooler or associated piping.	Locate and seal the leak. Tighten clamps or replace damaged components.
Engine Overheating (Indirectly)	Severely restricted airflow through intercooler (e.g., extreme clogging).	Thoroughly clean intercooler fins. Ensure proper airflow to radiator.

If troubleshooting steps do not resolve the issue, consult a professional automotive technician.

SPECIFICATIONS

Attribute	Detail
Product Type	Intercooler
Brand	GOWE

Attribute	Detail
Model Number	GWE-1030315
OEM Part Number	8-98090627-2
Compatibility	Isuzu Chevrolet LUV Dmax D-Max Turbo Diesel 3.0 (2012 onwards)
Item Weight	1 kg
Core Size	665mm x 152mm (as per diagram)
Tank Size	80mm / 80mm x 154mm (as per diagram)
Manufacturer	Gowegroup
Voltage	230 Volts (Note: This specification may be generic and not directly applicable to the intercooler's primary function.)

WARRANTY AND SUPPORT

Specific warranty details for this GOWE Intercooler are typically provided at the point of purchase or within the product packaging. For warranty claims or technical support, please contact your original seller or the manufacturer, Gowegroup. For further assistance, you may refer to the seller's information:

Seller Name: Gowe-group
Seller ID: A1Q34ES1GR6EHZ
Seller Link: [View Seller Information on Amazon.ca](#)

Please retain your proof of purchase for any warranty-related inquiries.

© 2023 GOWE. All rights reserved.
This manual is for informational purposes only. GOWE is not responsible for any damage or injury resulting from improper installation or use of this product.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

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

Submit question