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Walker 93236

Walker Exhaust Ultra EPA 93236 Universal Catalytic Converter Instruction Manual

Model: 93236

1. INTRODUCTION

The Walker Ultra EPA 93236 Universal Catalytic Converter is engineered to meet EPA emissions requirements, offering premium performance and durability. This universal converter is suitable for import and domestic OBDII (1996 and newer) vehicles. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and compliance.



Figure 1: Walker Ultra EPA 93236 Universal Catalytic Converter. This image displays the main product, a silver-colored, cylindrical catalytic converter with inlet and outlet pipes on either end.

2. IMPORTANT SAFETY WARNINGS

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always handle with care and follow all safety guidelines during installation and operation. Ensure proper ventilation and wear appropriate personal protective equipment (PPE).

Professional installation is highly recommended due to the specialized tools and skills required for cutting, forming, and

welding. Improper installation can lead to exhaust leaks, reduced performance, and potential safety hazards.

3. PRODUCT FEATURES

- **Emissions Compliance:** OE-style high-technology washcoat and optimal precious metal load ensure required reduction in tailpipe emissions to match vehicle application, keeping the check engine light off for emissions codes.



Figure 2: This image shows a catalytic converter with text overlay stating 'KEEPS THE CHECK ENGINE LIGHT OFF' and 'Optimal washcoat technology keeps the check engine light off for emissions codes'.

- **Durability:** Constructed with a stainless-steel body and aluminized pipe and heat shields for enhanced longevity and resistance to corrosion.
- **Flexible Solution:** Features a customizable design with expandable bushings for easy fitment. May require specialized fabrication and/or welding for installation.

CUSTOMIZABLE FIT

Custom-designed solution to fit the most challenging repair needs



Figure 3: This image depicts a person welding an exhaust component, with text overlay 'CUSTOMIZABLE FIT' and 'Custom-designed solution to fit the most challenging repair needs'.

- **OE-Style Design:** Includes aluminized heat shields, where originally equipped, to protect the undercarriage from heat generated by the converter.
- **No Break-in Required:** Ready to operate with application-specific converter shell design and mat compression.

NO BREAK-IN REQUIRED

**Ready to operate with application-specific
converter shell design and mat compression**



Figure 4: This image shows a catalytic converter with text overlay 'NO BREAK-IN REQUIRED' and 'Ready to operate with application-specific converter shell design and mat compression'.

4. SETUP AND INSTALLATION

The Walker Ultra EPA 93236 is a universal catalytic converter, meaning it is designed to be adapted to various vehicle exhaust systems. Unlike direct-fit converters, universal models require fabrication, cutting, and welding for proper installation. It is crucial to ensure that the converter is installed correctly to maintain emissions compliance and vehicle performance.

4.1 Pre-Installation Checks

- Verify that the vehicle is OBDII compliant (1996 or newer).
- Confirm that the vehicle is registered in a state that permits EPA-compliant converters. This product is not legal for sale or use in California, Colorado, or New York. Legal in Maine on EPA Federal Emission Equipped Vehicles only. Consult your state's aftermarket converter regulations for details.



Designed for use on OBDII vehicles, 1996 & newer. Not legal for sale or use in California, Colorado, or New York. Legal in Maine on EPA Federal Emission Equipped Vehicles only. Consult your state's aftermarket converter regulations for details.

Figure 5: This image displays the 'WALKER ULTRA CONVERTERS EPA COMPLIANT' logo, with a disclaimer about legal use in certain states.

- Ensure all necessary tools and safety equipment are available, including welding equipment, cutting tools, and personal protective equipment.

4.2 Installation Steps (Professional Installation Recommended)

- 1. Vehicle Preparation:** Safely lift and secure the vehicle. Allow the exhaust system to cool completely.
- 2. Remove Old Converter:** Carefully measure and cut the existing exhaust pipe to remove the old catalytic converter.
- 3. Fitment Adjustment:** Position the new Walker 93236 converter. Use expandable bushings and perform any necessary fabrication (cutting, forming) to ensure a precise fit within the exhaust system.
- 4. Welding:** Securely weld the new converter into place. Ensure all welds are strong and airtight to prevent exhaust leaks.
- 5. Inspection:** After welding, inspect all connections and welds for integrity. Lower the vehicle and check for proper clearance and alignment.

For a visual guide on universal catalytic converter installation, please refer to the following videos:

Video 1: MagnaFlow Universal Catalytic Converter. This video provides a general overview of universal catalytic converters and their installation process, highlighting the need for fabrication.

Video 2: Nilight 2" Inlet/Outlet Universal Catalytic Converter. This video demonstrates the installation of a universal catalytic converter, showing the steps of measuring, cutting, and welding.

Video 3: 2.5" Universal Catalytic Converter. This video illustrates the process of installing a universal catalytic converter, including cutting, fitting, and welding.

5. OPERATING PRINCIPLES

A catalytic converter is a device that uses a catalyst to convert toxic pollutants in exhaust gas from an internal combustion engine into less toxic substances. The Walker Ultra EPA 93236 utilizes a high-technology washcoat and precious metals (Platinum, Palladium, Rhodium) to facilitate chemical reactions that transform harmful gases like carbon monoxide (CO), hydrocarbons (HC), and nitrogen oxides (NOx) into carbon dioxide (CO₂), water (H₂O), and nitrogen (N₂).

The converter begins to function effectively once it reaches its operating temperature. The advanced design ensures optimal performance and helps maintain the vehicle's emissions system in compliance with EPA standards.

6. MAINTENANCE

Catalytic converters are generally maintenance-free components. However, proper vehicle maintenance is essential to ensure the longevity and efficiency of the converter:

- **Regular Engine Tune-ups:** Ensure your engine is running efficiently. Misfires, incorrect fuel-air mixtures, or faulty sensors can lead to unburnt fuel entering the converter, causing overheating and damage.
- **Avoid Contaminants:** Prevent the use of leaded fuels or certain fuel additives, as these can contaminate the catalyst and reduce its effectiveness.
- **Check for Exhaust Leaks:** Periodically inspect the exhaust system for any leaks, especially around the converter and its connections. Leaks can affect emissions readings and overall system performance.

7. TROUBLESHOOTING

7.1 Check Engine Light (CEL) Illumination

If the Check Engine Light illuminates after installation, it may indicate an issue with the emissions system. While the Walker Ultra converter is designed to prevent emissions-related CELs, other factors can trigger it:

- **Oxygen Sensor Issues:** Faulty or aging oxygen sensors (pre-catalyst or post-catalyst) can send incorrect readings to the vehicle's computer, triggering a CEL.
- **Exhaust Leaks:** Leaks in the exhaust system can affect sensor readings and converter efficiency.
- **Engine Performance Issues:** Misfires, rich/lean fuel conditions, or other engine problems can lead to converter inefficiency codes.

Action: Use an OBDII scanner to retrieve diagnostic trouble codes (DTCs). Address any underlying engine or sensor issues. If codes related to converter efficiency (e.g., P0420, P0430) persist after addressing other potential problems, consult a qualified mechanic.

Figure 6: This image shows a vehicle dashboard with the 'Check Engine' light illuminated, indicating a potential issue with the engine or emissions system.

8. SPECIFICATIONS

Feature	Detail
Brand	Walker
Model	Catalytic Converter
Item Model Number	93236
Item Weight	5 pounds
Product Dimensions	35.48 x 12.5 x 8.05 inches
Exterior Finish	Machined
Emissions Compliance	EPA Compliant (Not legal for sale/use in CA, CO, NY. Legal in ME on EPA Federal Emission Equipped Vehicles only.)
Inlet/Outlet Size	2 inches (Inside)
Material	Stainless-steel body with aluminized pipe and heat shields

9. WARRANTY INFORMATION

The Walker Ultra EPA 93236 Universal Catalytic Converter is backed by Walker's warranty:

- **Emissions Warranty:** 25,000 miles / 40,000 kilometers.
- **Structural Integrity Warranty:** 5 years / 50,000 miles / 80,000 kilometers.

For complete details and terms of the warranty, please visit Walkerexhaust.com.

10. SUPPORT AND CONTACT

For further assistance, technical support, or inquiries regarding the Walker Exhaust Ultra EPA 93236 Universal Catalytic Converter, please refer to the official Walker Exhaust website or contact their customer service. It is always recommended to consult with a certified automotive professional for any installation or complex troubleshooting needs.