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› AWE 2023 Nissan Z RZ34 RWD Touring Edition Catback Exhaust System User Manual

AWE Tuning AWE3015-33400

AWE 2023 Nissan Z RZ34 RWD Touring Edition Catback Exhaust System User Manual

Model: AWE3015-33400

INTRODUCTION

This manual provides detailed instructions and information for the AWE 2023 Nissan Z RZ34 RWD Touring Edition Catback Exhaust System. Designed for the 2023-2024 Nissan Z (Performance, Proto Spec, Sport) models, this full 3-inch dual Cat Back system is engineered for enhanced performance and a refined exhaust note. It features a precision X-pipe, sturdy resonators, and AWE's patented 180 Technology for drone cancellation at cruising speeds.



Figure 1: Overview of the AWE Touring Edition Catback Exhaust System, showcasing its dual pipe design, resonators, and diamond black tips.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your AWE exhaust system. It is highly recommended that installation be performed by a qualified professional with access to appropriate tools and a vehicle lift.

Required Tools and Materials (Not Included):

- Vehicle lift or jack stands
- Socket wrench set (metric)
- Torque wrench
- Exhaust hanger removal tool (recommended)
- Penetrating lubricant
- Safety glasses and gloves

Installation Steps:

1. **Vehicle Preparation:** Safely lift the vehicle using a lift or jack stands. Ensure the vehicle is stable and secure. Allow the existing exhaust system to cool completely before beginning work.
2. **Remove Factory Exhaust:** Locate and loosen all bolts and hangers securing the factory exhaust system. Apply penetrating lubricant to stubborn fasteners if necessary. Carefully remove the factory exhaust system, starting from the rear.
3. **Install Adapter Plates:** Attach the custom adapter plates and gaskets provided with the AWE system to the factory downpipes. Ensure a secure and leak-free connection. These plates are removable for future

upgrades.

4. **Assemble AWE System:** Begin assembling the AWE Catback system, starting from the front pipes connecting to the adapter plates. Loosely connect all sections, including the X-pipe and resonators, using the provided clamps and hardware.
5. **Mount Hangers:** Secure the AWE exhaust system to the factory hanger locations. Ensure proper alignment and clearance from all vehicle components.
6. **Install Tips:** Slide the 5-inch diamond black slash-cut tips onto the exhaust outlets. Adjust their position for desired aesthetics.
7. **Align and Tighten:** Once the entire system is loosely assembled and properly aligned, begin tightening all clamps and bolts, working from front to back. Refer to vehicle-specific torque specifications if available. Ensure all connections are secure and there are no leaks.
8. **Final Inspection:** Lower the vehicle. Start the engine and check for any exhaust leaks or unusual noises. Ensure adequate clearance around all exhaust components.

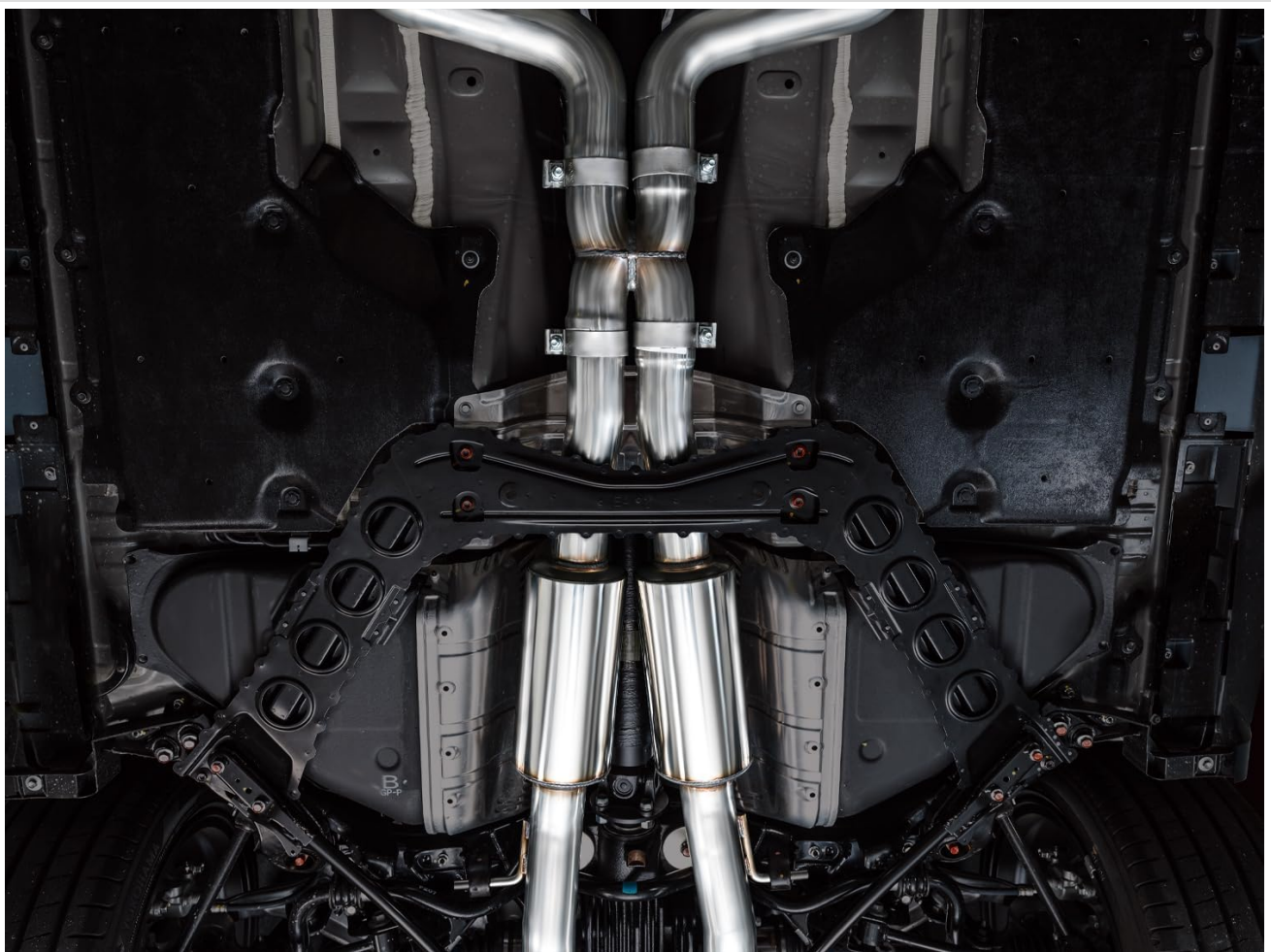


Figure 2: Undercarriage view illustrating the precise fitment of the AWE exhaust system, including the X-pipe and resonator placement.

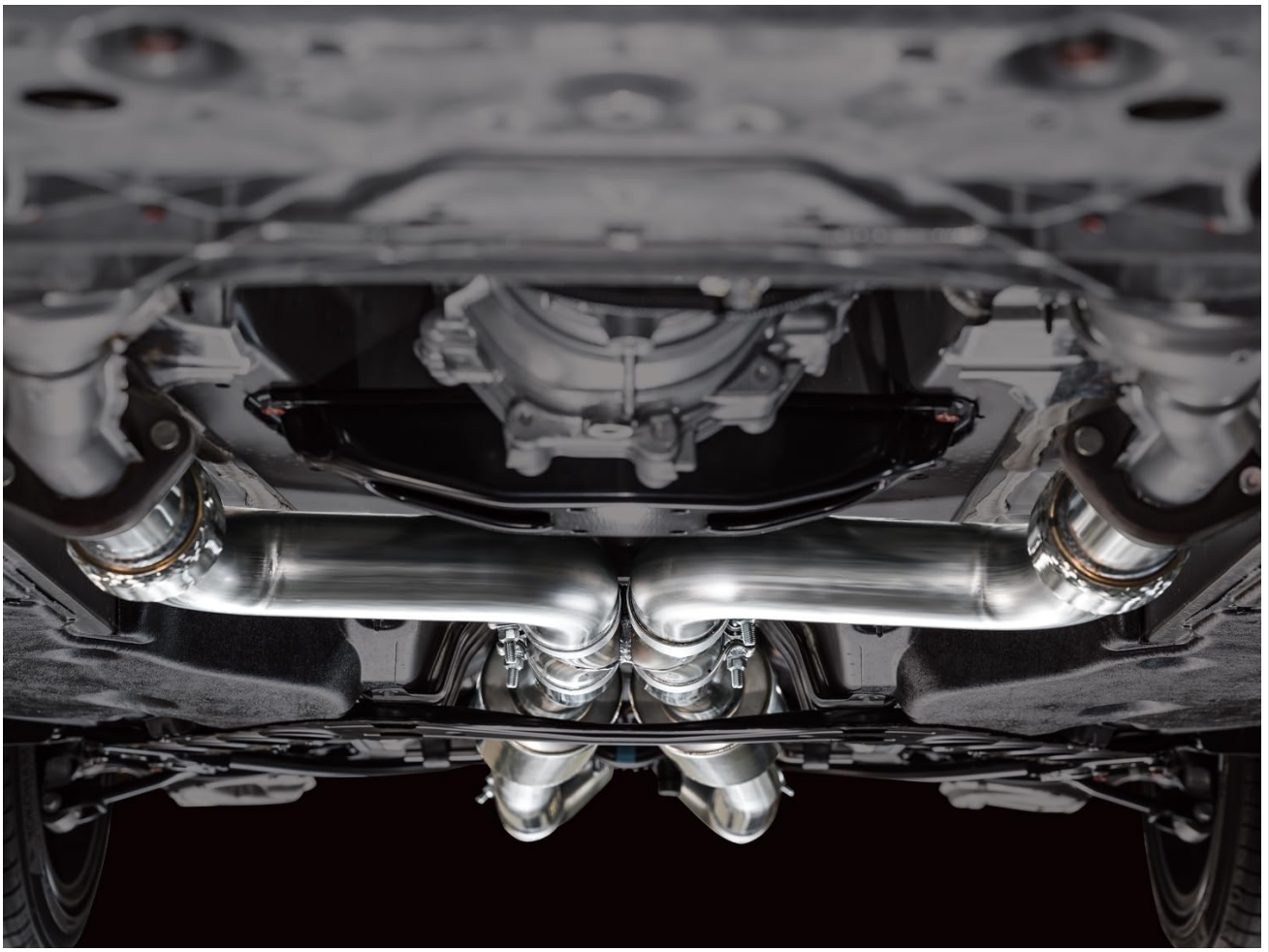


Figure 3: View from the rear underside of the vehicle, showing the dual mufflers and the aesthetic integration of the diamond black exhaust tips.

OPERATING CHARACTERISTICS

The AWE Touring Edition Catback Exhaust System is designed to provide a balanced blend of performance enhancement and acoustic refinement for your Nissan Z.

- **Sound Profile:** Expect a rich, assertive exhaust tone under acceleration, transforming into a comfortable and drone-free experience at cruising speeds.
- **180 Technology:** AWE's patented 180 Technology is integrated into the resonators to effectively cancel out unwanted drone frequencies, ensuring a pleasant cabin environment during highway driving.
- **Performance:** The full 3-inch dual design and precision X-pipe contribute to substantial power gains by optimizing exhaust flow.
- **Emissions Compliance:** This system is 100% emissions-compliant, ensuring it meets regulatory standards.



Figure 4: Detail of the AWE muffler, highlighting the "180 TECHNOLOGY" engraving, which signifies the integrated drone-canceling feature.

MAINTENANCE

Regular inspection and minor maintenance will help preserve the performance and appearance of your AWE exhaust system.

- **Periodic Inspection:** Annually or every 10,000 miles, inspect the entire exhaust system for any signs of damage, loose connections, or corrosion. Check all clamps, hangers, and mounting points for security.
- **Cleaning Exhaust Tips:** The diamond black tips can be cleaned with a mild automotive soap and water solution. For stubborn grime, a non-abrasive metal polish designed for black finishes can be used. Avoid harsh chemicals or abrasive pads that could damage the finish.
- **Rust Prevention:** While made from stainless steel, prolonged exposure to road salt and harsh chemicals can affect the finish. Regular washing of the vehicle, including the underside, can help prevent buildup.

TROUBLESHOOTING

This section addresses common issues that may arise with an aftermarket exhaust system.

Symptom	Possible Cause	Solution
Excessive drone or resonance at certain RPMs	Loose connections, improper alignment, or specific vehicle harmonics.	Ensure all clamps are tightened to specification. Verify proper alignment of the system. The AWE 180 Technology is designed to minimize drone, but minor variations can occur.

Symptom	Possible Cause	Solution
Rattling or knocking noises	Exhaust system contacting vehicle chassis or components; loose hangers.	Inspect for contact points and adjust hangers or exhaust position. Ensure all hangers are securely seated.
Exhaust leaks	Improperly sealed connections, loose clamps, or damaged gaskets.	Check all connections for tightness. Replace any damaged gaskets. Re-tighten clamps.
Check Engine Light (CEL) illumination	Sensor issues or exhaust flow changes (unlikely with this system).	The AWE Touring Edition Exhaust comes with a No CEL Guarantee . If a CEL occurs, verify all sensors are properly connected and consult a professional.

SPECIFICATIONS

Feature	Detail
Product Name	AWE Touring Edition Catback Exhaust
Model Number	AWE3015-33400
Material	Stainless Steel
Configuration	Full 3-inch Dual Cat Back System
Tip Size/Finish	5-inch Diamond Black Slash-Cut Tips (Chrome Silver also available)
Technology	Patented 180 Technology (Drone-Canceling)
Compatibility	2023-2024 Nissan Z (Performance, Proto Spec, Sport)
Emissions	100% Emissions-Compliant
UPC	810098809870

WARRANTY AND SUPPORT

AWE Tuning stands behind the quality and performance of its products.

- **Perfect Fitment Guarantee:** Ensures the exhaust system will fit your specified vehicle without modification.
- **No CEL Guarantee:** Guarantees that the installation of this exhaust system will not trigger a Check Engine Light.
- **Lifetime Warranty:** The AWE Touring Edition Catback Exhaust System is backed by a Lifetime Warranty against manufacturing defects.

For technical support, warranty claims, or further assistance, please contact AWE Tuning directly through their official website or customer service channels. Always provide your product model number (AWE3015-33400) and proof of purchase when seeking support.

This manual is for informational purposes only. AWE Tuning is not responsible for improper installation or misuse of the product.