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HKS 32016-AH025

HKS 32016-AH025 Hi-Power Muffler

Instruction Manual

1. Product Overview

This manual provides essential information for the proper installation, operation, and maintenance of your HKS 32016-AH025 Hi-Power Muffler. This product is designed as a performance exhaust component for specific vehicle applications, primarily the Honda CR-Z (2011 model year). It features SUS304 stainless steel construction for durability and enhanced exhaust flow.



The HKS Hi-Power Muffler (32016-AH025) showcasing its polished stainless steel construction and design.

2. Safety Information

Always prioritize safety when working on your vehicle. Improper installation or handling of exhaust components can lead to serious injury or damage. Adhere to the following safety guidelines:

- Ensure the vehicle is securely supported on jack stands or a lift before working underneath. Never rely solely on a jack.
- Allow the exhaust system to cool completely before beginning work to prevent burns.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Work in a well-ventilated area to avoid exposure to exhaust fumes.
- If you are not confident in your ability to perform the installation, seek professional assistance from a qualified mechanic.
- This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

3. Setup and Installation

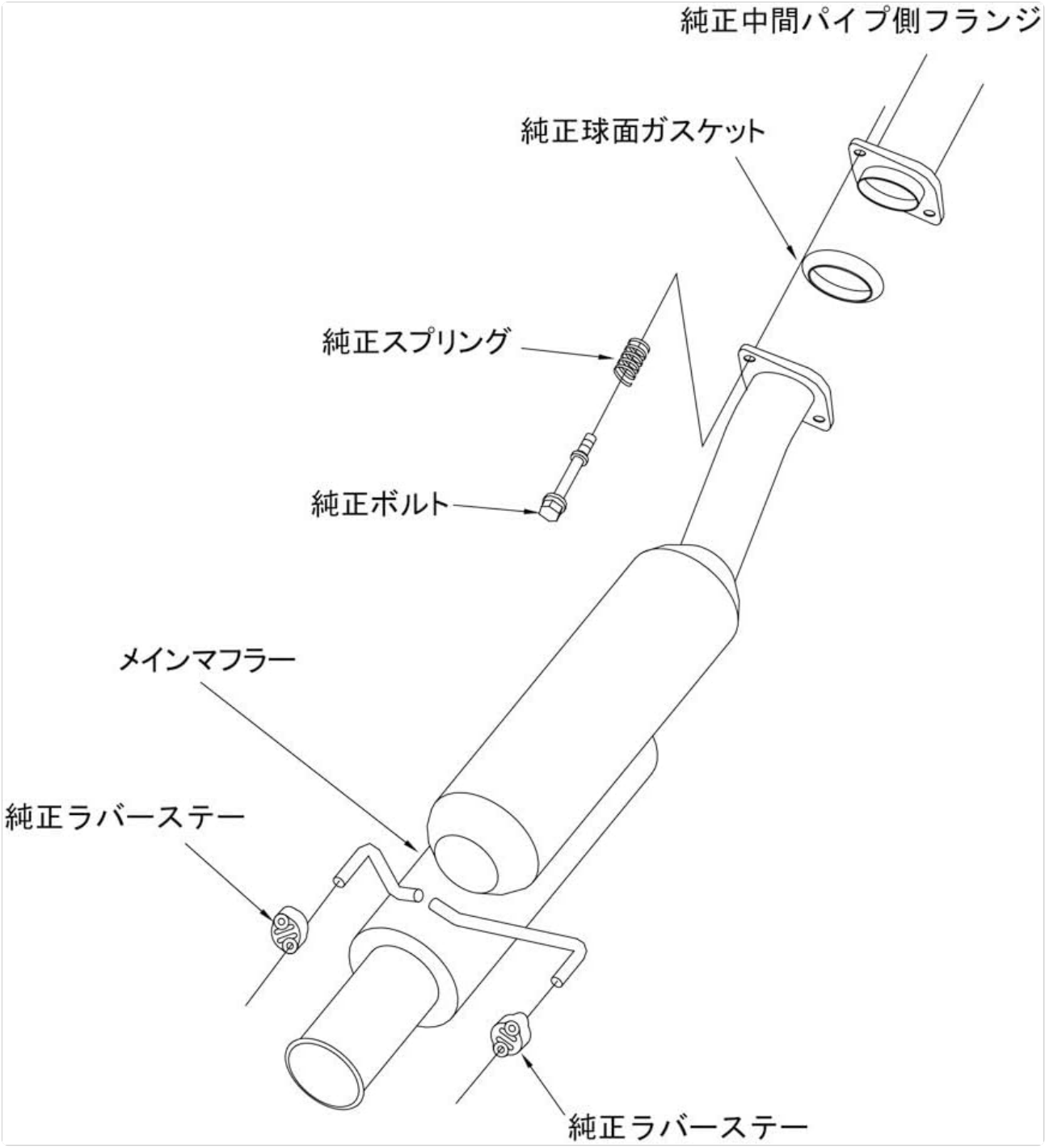
Professional installation is highly recommended for this product. The following steps provide a general overview; specific vehicle service manuals should be consulted for detailed procedures.

3.1. Pre-Installation Checklist

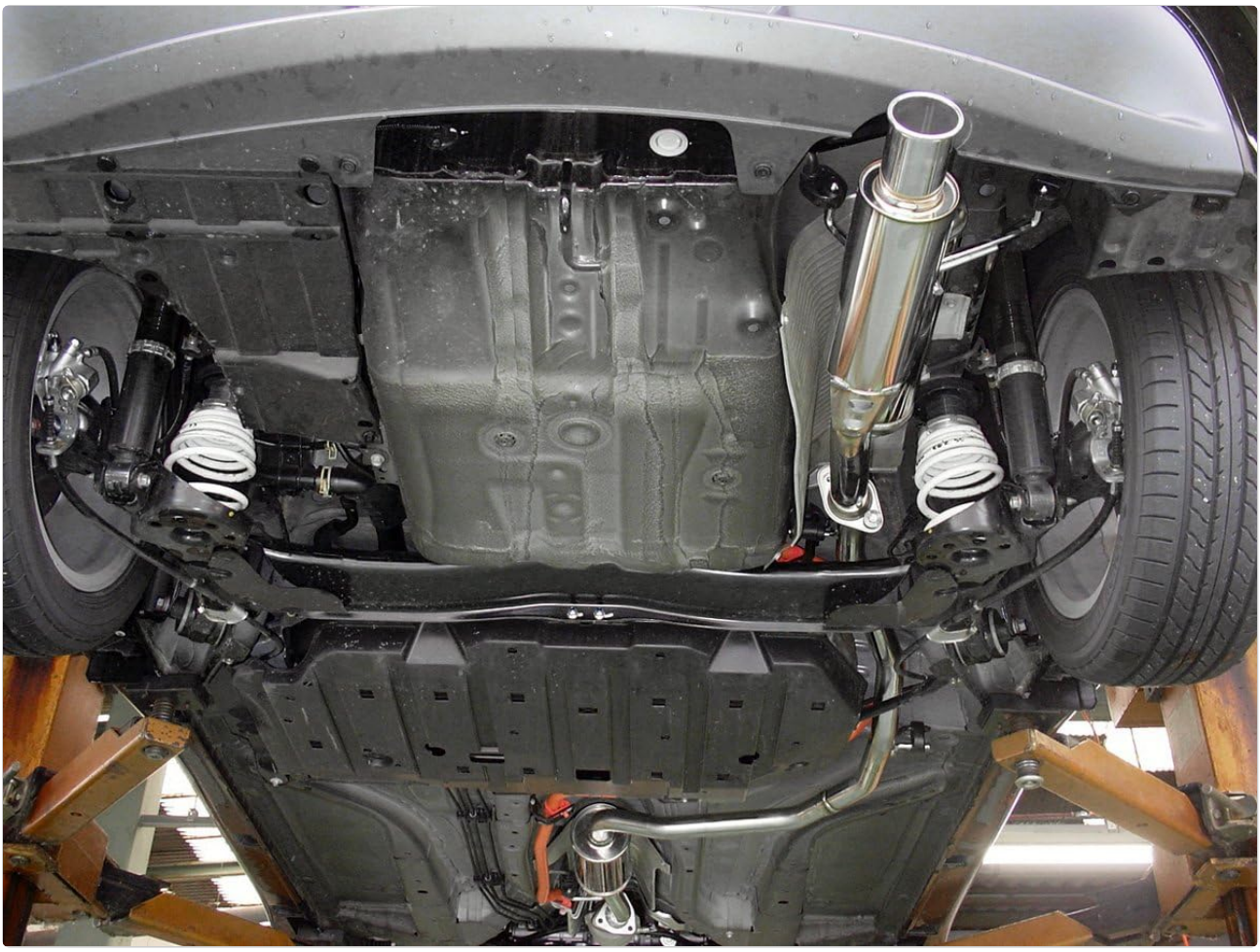
- **Required Tools:** Ratchet set, wrenches, exhaust hanger removal tool, penetrating oil, torque wrench.
- **Safety Gear:** Safety glasses, work gloves.
- **Vehicle Preparation:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative battery terminal. Allow the exhaust system to cool.

3.2. Installation Steps

1. Safely lift and support the vehicle.
2. Locate the factory muffler and its mounting points.
3. Apply penetrating oil to all bolts and hangers to aid removal.
4. Carefully remove the bolts connecting the factory muffler to the mid-pipe.
5. Use an exhaust hanger removal tool to detach the muffler from its rubber hangers.
6. Remove the factory muffler from the vehicle.
7. Install the HKS Hi-Power Muffler by reversing the removal steps. Ensure all connections are secure and rubber hangers are properly seated.
8. Tighten all bolts to the manufacturer's specified torque values.
9. Lower the vehicle and reconnect the battery terminal.



An exploded view diagram illustrating the individual components of the HKS Hi-Power Muffler, including the main muffler, rubber stays, bolts, spring, and gasket, for assembly reference.



The HKS Hi-Power Muffler installed on a vehicle, viewed from underneath, demonstrating the exhaust routing and secure mounting points.

4. Operation

Upon successful installation, the HKS Hi-Power Muffler will alter the vehicle's exhaust note, typically providing a sportier and more pronounced sound compared to the factory system. Performance characteristics may also be enhanced due to improved exhaust flow.

- **Initial Start-up:** After installation, start the engine and check for any exhaust leaks. Listen for unusual noises.
- **Break-in Period:** A short break-in period may be beneficial for the exhaust system to settle. Avoid aggressive driving immediately after installation.
- **Sound Characteristics:** The exhaust sound may evolve slightly over time as the system accumulates carbon deposits and heat cycles.

5. Maintenance

Regular inspection and basic maintenance will help ensure the longevity and optimal performance of your HKS Hi-Power Muffler.

- **Periodic Inspection:** Regularly inspect the entire exhaust system for any signs of damage, corrosion, loose connections, or exhaust leaks. Pay close attention to welds and mounting points.

- **Cleaning:** The stainless steel finish can be cleaned with a mild automotive cleaner and a soft cloth. Avoid abrasive cleaners or brushes that could scratch the surface.
- **Hanger Condition:** Check rubber hangers for signs of wear, cracking, or deterioration. Replace them if necessary to prevent excessive movement or rattling.

6. Troubleshooting

If you encounter issues with your HKS Hi-Power Muffler, consider the following common troubleshooting steps:

- **Excessive Noise or Rattling:** Check all mounting bolts for proper tightness. Inspect rubber hangers for damage or improper seating. Ensure the exhaust system is not contacting any part of the vehicle's undercarriage.
- **Exhaust Leaks:** Listen for hissing sounds, especially when the engine is cold. Visually inspect all connections for black soot, which indicates a leak. Tighten connections or replace gaskets if necessary.
- **Unusual Vibrations:** Verify that the exhaust system is properly aligned and not under tension. Check for any loose components or contact points.

If problems persist after basic troubleshooting, it is recommended to consult a professional mechanic.

7. Specifications

Attribute	Specification
Brand	HKS
Model Number	32016-AH025
Item Weight	9.68 pounds
Material	SUS304 Stainless Steel
Vehicle Service Type	Car
Compatible Vehicle (Example)	Honda CR-Z (2011)

8. Warranty and Support

HKS products are manufactured to high standards. For specific warranty details, please refer to the warranty card included with your product or contact HKS directly. Keep your purchase receipt as proof of purchase.

- **Warranty Period:** Refer to the official HKS warranty documentation for your region.
- **Support:** For technical assistance, installation questions, or warranty claims, please contact HKS customer support through their official website or authorized distributors.



The cover of the HKS Muffler instruction manual and warranty card, indicating product number 32016-AH025.

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