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HKS 32003-BH006

HKS 32003-BH006 Hi-Power Exhaust System User Manual

Model: 32003-BH006

Product Overview

The HKS 32003-BH006 Hi-Power Exhaust system is engineered to enhance vehicle performance. It features a carbon fiber wrapped muffler shell, a titanium tip, and polished SUS304 stainless steel piping. This design is optimized to offer a greater exhaust flow, contributing to higher RPM power gains due to its less restrictive nature. The system incorporates an HP tip for improved exhaust gas velocity.



Image: The HKS 32003-BH006 Hi-Power Exhaust system, showcasing its polished muffler and piping, designed for optimal flow and performance.

Installation Guide

Proper installation is crucial for the performance and longevity of your HKS Hi-Power Exhaust system. It is highly recommended that installation be performed by a qualified professional with experience in automotive exhaust systems. Incorrect installation can lead to damage to the product or vehicle, and may void the warranty.

General Installation Steps:

1. **Safety First:** Ensure the vehicle is securely lifted on a hoist or jack stands on a level surface. Allow the existing exhaust system to cool completely before beginning work. Wear appropriate personal protective equipment, including gloves and eye protection.

2. **Remove Old Exhaust:** Carefully unbolt and remove the existing exhaust system components, starting from the rear muffler section and working forward. Be mindful of oxygen sensors and exhaust hangers.
3. **Prepare Mounting Points:** Clean any rust or debris from the vehicle's exhaust hangers and flange connections. Apply anti-seize compound to new bolts if provided.
4. **Install New System:** Begin by loosely fitting the new HKS exhaust components, starting from the front pipe or catalytic converter connection and working towards the rear. Ensure all sections align correctly with the vehicle's mounting points and clear all chassis components.
5. **Align and Tighten:** Once all components are loosely fitted, adjust the system for optimal alignment and clearance. Ensure the muffler tip is centered and level. Gradually tighten all bolts and clamps to the manufacturer's specified torque settings, working from front to back.
6. **Final Inspection:** After tightening, perform a final visual inspection to ensure all connections are secure, there are no leaks, and the system has adequate clearance from all vehicle components. Start the engine and check for exhaust leaks and proper sound.

Operation and Performance

The HKS Hi-Power Exhaust system is designed to optimize exhaust gas flow, which directly contributes to improved engine efficiency and power output, particularly at higher RPMs. Users may notice a more aggressive exhaust note compared to the stock system, characteristic of a performance exhaust. The less restrictive design minimizes back pressure, allowing the engine to breathe more freely and unleash its full potential.

While operating your vehicle with the HKS Hi-Power Exhaust, it is important to adhere to all local noise regulations and driving laws. The system is built for durability and performance under various driving conditions.

Maintenance

Regular maintenance will help preserve the appearance and performance of your HKS Hi-Power Exhaust system.

- **Regular Cleaning:** Clean the polished SUS304 stainless steel piping and titanium tip regularly with a soft cloth and mild automotive cleaner to prevent buildup of road grime and carbon deposits. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Inspection:** Periodically inspect all welds, hangers, and connections for signs of wear, corrosion, or looseness. Check for any cracks or damage to the muffler shell or piping.
- **Bolt Tightness:** Over time, vibrations can cause bolts and clamps to loosen. Check and re-tighten all fasteners to their specified torque settings as part of your routine vehicle maintenance.
- **Drain Holes:** Ensure any small drain holes in the muffler or piping are clear of debris to allow condensation to escape, preventing internal corrosion.

Troubleshooting

If you encounter any issues with your HKS Hi-Power Exhaust system, refer to the following common problems and their potential solutions:

Problem	Possible Cause	Solution
Excessive Noise / Rattling	Loose hangers or bolts, contact with chassis, internal muffler damage.	Check and tighten all mounting hardware. Adjust system alignment to ensure clearance. Inspect muffler for internal damage; replacement may be necessary.

Problem	Possible Cause	Solution
Exhaust Leak	Loose flange connection, damaged gasket, crack in piping or muffler.	Inspect all connections for tightness. Replace worn or damaged gaskets. Repair or replace cracked components.
Reduced Performance	Exhaust restriction (unlikely with this design), engine issues unrelated to exhaust.	Ensure no physical obstructions in the exhaust path. Consult a mechanic to diagnose engine-related performance issues.
Discoloration of Tip	Normal heat cycling, carbon buildup.	This is often normal for titanium tips due to heat. Clean regularly with appropriate metal polish for titanium.

Specifications

Key specifications for the HKS 32003-BH006 Hi-Power Exhaust system:

Feature	Detail
Brand	HKS
Model Number	32003-BH006
Vehicle Service Type	Car
Muffler Shape	Round
Manufacturer	HKS
Global Trade Identification Number (GTIN)	04957266931172
Muffler Shell Material	Carbon Fiber Wrapped
Tip Material	Titanium
Piping Material	Polished SUS304 Stainless Steel

Warranty and Support

Warranty coverage for the HKS 32003-BH006 Hi-Power Exhaust system is typically provided by the manufacturer, HKS, or the authorized seller from whom the product was purchased. Specific warranty terms, conditions, and duration may vary.

For detailed warranty information, technical support, or assistance with product-related inquiries, please refer to the documentation provided with your purchase or contact HKS directly through their official website or customer service channels. Alternatively, reach out to your authorized dealer or the point of purchase for support.

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