

HKS 32008-AH008

HKS Legal Muffler Instruction Manual

Model: 32008-AH008 for Honda N-VAN

1. PRODUCT OVERVIEW

The HKS Legal Muffler is designed to provide a refined exhaust sound and stylish appearance for your Honda N-VAN. This muffler prioritizes comfort, offering sound levels slightly above stock while eliminating unpleasant resonance during urban driving.

Key Features:

- Standard HKS Legal Muffler series.
- Manufactured in Japan.
- Downward-facing tailpipe design for practicality, especially when loading cargo.
- Tuned for comfortable sound levels, minimizing discomfort in city driving.
- Certification Number: JQR20193153.

2. PACKAGE CONTENTS

Please verify that all the following components are included in your package:

- Main Muffler: 1 unit
- Mid Pipe: 1 unit
- Tail Pipe: 1 unit
- Gasket (φ45): 2 units
- Bolt (M10 L=25): 4 units
- Nut (M10): 4 units
- Plain Washer: 8 units
- Spring Washer: 4 units
- Instruction Manual: 1 unit
- Warranty Card: 1 unit
- HKS Sticker: 1 unit

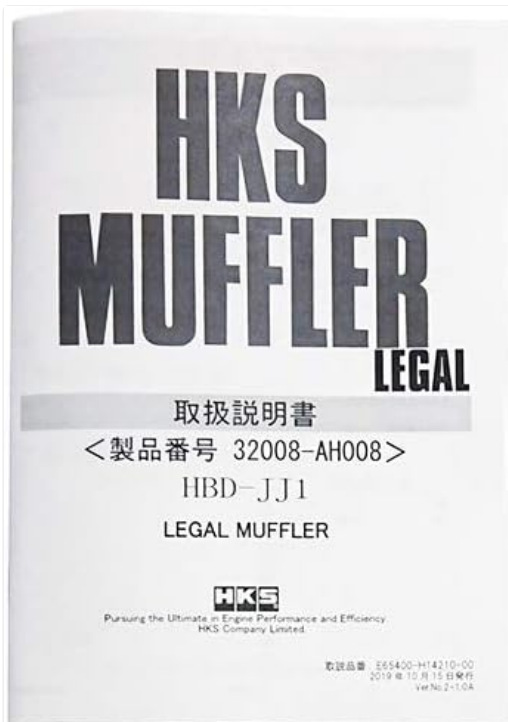


Image: Contents of the HKS Legal Muffler package, showing the instruction manual, warranty card, HKS sticker, two gaskets, and various bolts, nuts, and washers.

3. COMPATIBILITY

This HKS Legal Muffler (Model 32008-AH008) is compatible with the following vehicle models:

- **Honda N-VAN**
- Chassis Code: HBJ-JJ1

- Engine: S07B (Naturally Aspirated)
- Transmission: 6-speed Manual Transmission (6MT)
- Model Year: From July 2018
- Also compatible with 5BD-JJ1 S07B (NA) 6M/T models from February 2021.

Note: This product is designed for FF (Front-engine, Front-wheel drive), Naturally Aspirated (NA), 6MT models. CVT (Continuously Variable Transmission) compatibility is unconfirmed. It can be installed with genuine mudguards.

4. INSTALLATION GUIDE

Installation of this exhaust system requires specialized tools and technical knowledge. It is highly recommended that installation be performed by a qualified professional or an authorized HKS service center. Improper installation can lead to damage to the product or vehicle, and may void the warranty.

4.1. Components Diagram

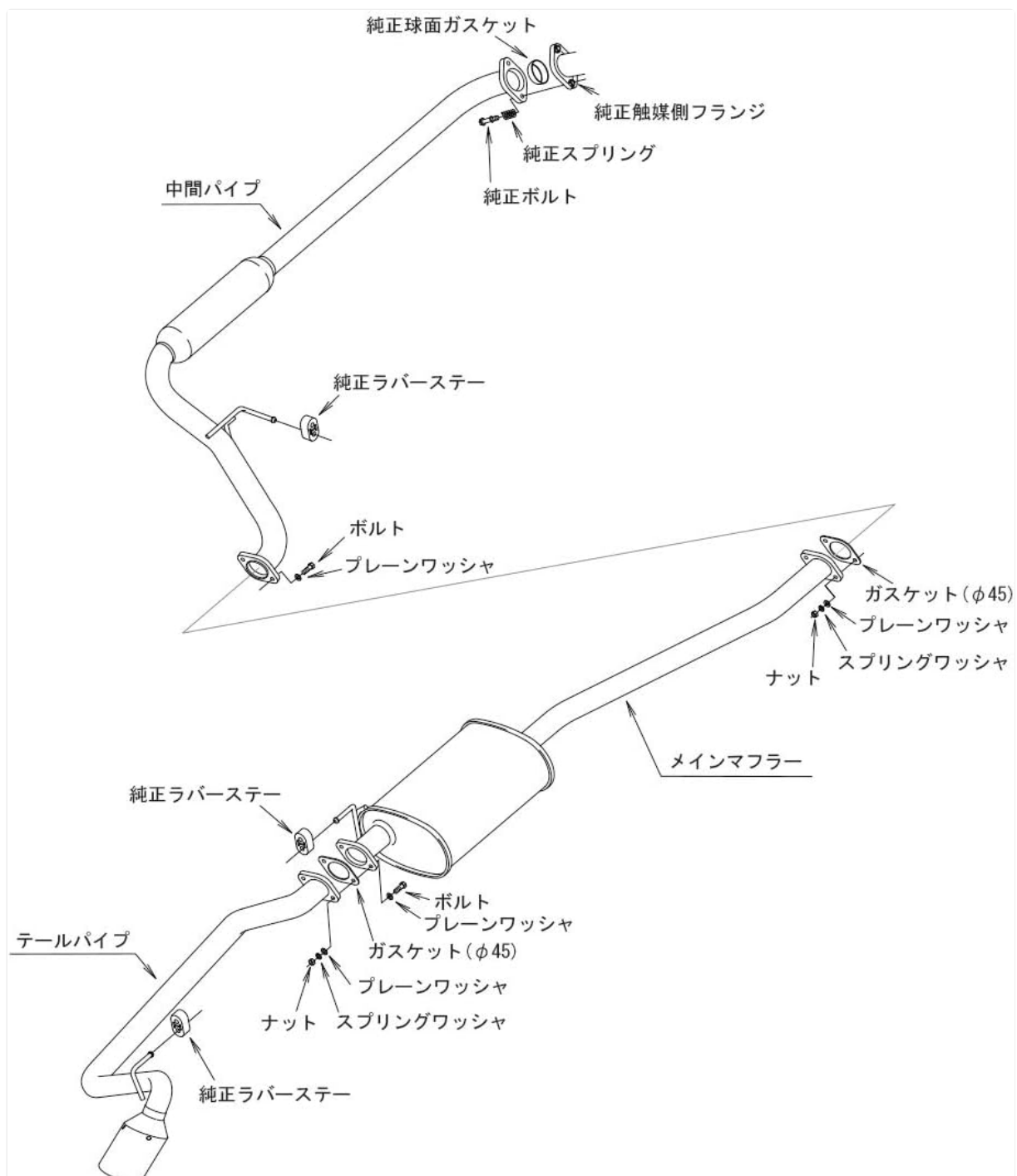


Image: Exploded view showing the main muffler, mid pipe, tail pipe, gaskets, bolts, nuts, washers, and rubber hangers, illustrating their assembly order and connection points to the vehicle's exhaust system.

Refer to the diagram above for the correct assembly of the muffler components. Ensure all gaskets are properly seated and all bolts and nuts are tightened to the manufacturer's specified torque settings.

4.2. Installation Steps (General Overview)

1. Safely lift the vehicle using a hoist or jack stands.
2. Remove the original exhaust system. This typically involves unbolting flanges and detaching rubber hangers.
3. Install the new HKS mid pipe, securing it to the existing exhaust manifold/catalytic converter using new gaskets and bolts.
4. Attach the main muffler and tail pipe sections, ensuring proper alignment and clearance from other vehicle components. Use the provided gaskets, bolts, nuts, and washers.
5. Secure all sections using the vehicle's original rubber hangers or new ones if supplied.
6. Double-check all connections for tightness and ensure there are no exhaust leaks.
7. Lower the vehicle and perform a final inspection.

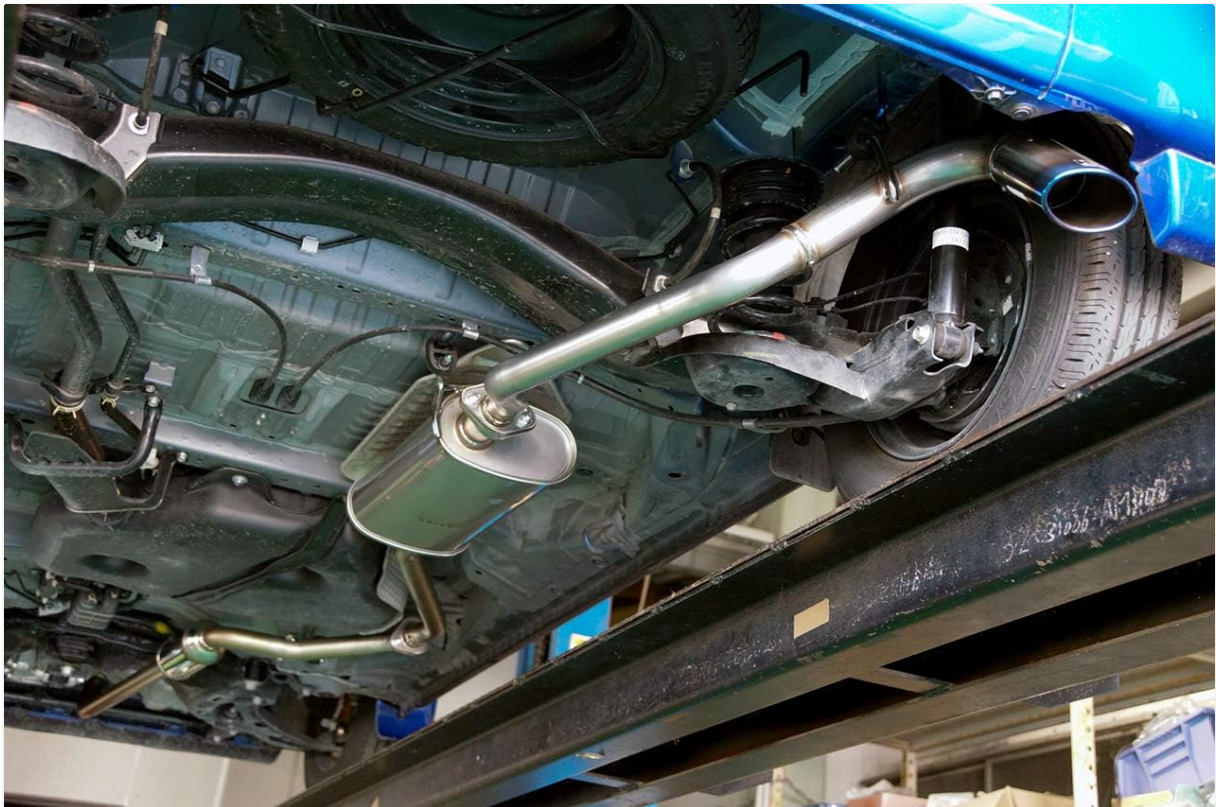


Image: View from underneath the Honda N-VAN, showing the HKS Legal Muffler system properly installed, including the mid-pipe, main muffler, and tailpipe, connected to the vehicle's chassis and suspension components.



Image: Rear view of a blue Honda N-VAN, showcasing the HKS Legal Muffler's tailpipe discreetly positioned underneath the bumper, maintaining a clean aesthetic while being functional for cargo loading.

5. OPERATING CONSIDERATIONS

After installation, allow the engine to run for a few minutes to check for any unusual noises or exhaust leaks. The muffler may produce a slightly different sound during the initial break-in period. Avoid aggressive driving immediately after installation to allow the system to settle.

This muffler is designed to comply with vehicle inspection standards (JQR certified), ensuring legal operation within specified regulations.

6. MAINTENANCE

To ensure the longevity and performance of your HKS Legal Muffler, follow these maintenance guidelines:

- **Regular Inspection:** Periodically check the exhaust system for any signs of damage, corrosion, loose connections, or leaks. Pay close attention to hangers, gaskets, and welds.
- **Cleaning:** Clean the exterior of the muffler and tailpipe regularly to remove dirt, road salt, and other contaminants that can lead to corrosion. Use mild soap and water, then rinse thoroughly.
- **Avoid Impact:** Be mindful of speed bumps, curbs, and uneven terrain to prevent physical damage to the exhaust system.
- **Professional Check-ups:** Include exhaust system inspection as part of your regular vehicle maintenance schedule with a qualified mechanic.

7. TROUBLESHOOTING

If you encounter any issues with your HKS Legal Muffler, consider the following common troubleshooting steps:

- **Excessive Noise or Rattling:**

- Check all bolts and nuts for tightness.
 - Inspect rubber hangers for wear or damage.
 - Ensure the exhaust system has adequate clearance from the vehicle's chassis and other components.
- **Exhaust Leaks:**
 - Inspect all flange connections for proper gasket seating and tightness.
 - Check for cracks or holes in the pipes or muffler body.
 - **Unusual Odors:**
 - This could indicate an exhaust leak. Refer to "Exhaust Leaks" above.
 - Ensure no plastic or foreign objects are in contact with the hot exhaust system.

If problems persist after performing these checks, please contact a qualified mechanic or HKS customer support for assistance.

8. SPECIFICATIONS

Brand	HKS
Model Number	32008-AH008
Material	SUH409
Vehicle Type	Passenger Car
Shape	Round
Inlet Connection Size	50.8 mm
Outlet Connection Size	50.8 mm
Mounting Type	Vehicle-specific fit
Country of Origin	Japan
Certification	JQR20193153

9. WARRANTY AND SUPPORT

This HKS Legal Muffler comes with a manufacturer's warranty. Please refer to the included warranty card for specific terms and conditions.

- **Warranty Period:** 2 years or 30,000 km, whichever comes first.
- **Warranty Details:** For complete warranty coverage and claim procedures, please consult the manufacturer's official warranty policy document provided in the package or on the HKS website.

For technical support, inquiries, or warranty claims, please contact HKS customer service or your authorized HKS dealer.

LEGAL



Images: HKS Legal and HKS Power logos, representing the brand.

10. SAFETY INFORMATION

Always prioritize safety during installation and operation of automotive parts. Failure to follow safety precautions can result in serious injury or damage.

- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- Ensure the vehicle is securely supported on a level surface before working underneath it.
- Allow the exhaust system to cool completely before handling to prevent burns.
- Keep children and pets away from the work area.
- Dispose of old parts and packaging responsibly according to local regulations.