

[manuals.plus](#) /

- › [Skunk2 Racing](#) /
- › [Skunk2 Ultra Series Intake Manifold Spacer Instruction Manual](#)

Skunk2 Racing 907-05-9100

Skunk2 Ultra Series Intake Manifold Spacer Instruction Manual

Model: 907-05-9100

1. INTRODUCTION

This manual provides detailed instructions for the installation and maintenance of the Skunk2 907-05-9100 Ultra B/K-Series Silver Race Intake Manifold Spacer. This product is designed to increase the plenum volume by 0.5 liters in compatible Ultra Series Street intake manifolds.

The spacer kit includes the billet aluminum spacer, necessary bolts, and gaskets for proper fitment with Ultra Series Race intake manifolds for both B-series and K-series engines.

2. PRODUCT OVERVIEW



Figure 2.1: Components of the Skunk2 Ultra Series Intake Manifold Spacer Kit. Shown are the silver billet aluminum spacer, two gasket seals, and a set of black mounting bolts.

2.1 Key Features

- Increases plenum volume by 0.5 liters.
- Constructed from durable billet aluminum.
- Designed for Ultra Series Street intake manifolds.
- Includes all necessary bolts and gaskets for installation.

2.2 Compatibility

- All Acura B-Series engines (0.5 Liter Spacer)
- All Acura K-Series engines (0.5 Liter Spacer)
- All Honda B-Series engines (0.5 Liter Spacer)
- All Honda K-Series engines (0.5 Liter Spacer)

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of the intake manifold spacer. It is recommended that

installation be performed by a qualified technician.

3.1 Required Tools (Not Included)

- Socket wrench set
- Torque wrench
- Gasket scraper or cleaner
- Shop rags
- Safety glasses and gloves

3.2 Installation Steps

1. **Preparation:** Ensure the engine is cool. Disconnect the vehicle's battery. Relieve fuel system pressure if necessary.
2. **Remove Intake Manifold:** Carefully disconnect all hoses, wires, and linkages attached to the intake manifold. Unbolt and remove the existing intake manifold from the engine. Refer to your vehicle's service manual for specific removal procedures.
3. **Clean Surfaces:** Thoroughly clean both the cylinder head mating surface and the intake manifold mating surface. Remove any old gasket material or debris to ensure a proper seal.
4. **Install First Gasket:** Place one of the provided gaskets onto the cylinder head mating surface. Ensure it is correctly aligned with all bolt holes and ports.
5. **Position Spacer:** Carefully place the Skunk2 Ultra Series Intake Manifold Spacer on top of the first gasket, aligning it with the bolt holes.
6. **Install Second Gasket:** Place the second provided gasket on top of the spacer.
7. **Reinstall Intake Manifold:** Carefully lower the intake manifold onto the second gasket and the spacer assembly, aligning all bolt holes.
8. **Secure with Bolts:** Insert the new, longer bolts provided with the kit through the intake manifold, gaskets, and spacer, into the cylinder head. Hand-tighten all bolts first.
9. **Torque Bolts:** Following the manufacturer's recommended torque sequence and specifications for your intake manifold, progressively tighten the bolts using a torque wrench. Ensure even pressure across the manifold to prevent warping or leaks.
10. **Reconnect Components:** Reconnect all hoses, wires, and linkages that were disconnected during removal. Double-check all connections for security.
11. **Final Checks:** Reconnect the battery. Start the engine and check for any vacuum leaks or unusual noises. Allow the engine to reach operating temperature and re-check for leaks.

Note: The provided bolts are specifically sized for use with this spacer. Using incorrect bolts may lead to improper fitment or damage.

4. OPERATING CONSIDERATIONS

After installation, the Skunk2 Ultra Series Intake Manifold Spacer will increase the plenum volume, which can affect engine tuning. It is advisable to monitor engine performance and consider professional tuning to optimize air-fuel ratios and maximize the benefits of the increased plenum volume.

- **Engine Tuning:** The increased plenum volume may require adjustments to engine management system (ECU) parameters for optimal performance and efficiency.
- **Performance Impact:** Expect potential changes in engine response, particularly in the mid to high RPM range, due to improved airflow dynamics.

5. MAINTENANCE

The Skunk2 Ultra Series Intake Manifold Spacer is designed for durability and requires minimal maintenance. However, periodic inspection is recommended to ensure continued optimal performance.

- **Gasket Inspection:** Periodically inspect the gaskets for any signs of wear, cracking, or leaks. Replace gaskets if any degradation is observed.
- **Bolt Torque Check:** After initial installation and approximately 500 miles of driving, re-check the torque of the intake manifold bolts to ensure they remain properly tightened.
- **Cleaning:** If the spacer needs cleaning during other engine maintenance, use a mild degreaser and a soft cloth. Avoid abrasive cleaners or tools that could damage the aluminum finish.

6. TROUBLESHOOTING

This section addresses common issues that may arise after installation of the intake manifold spacer.

Problem	Possible Cause	Solution
Vacuum Leak	Improperly torqued bolts, damaged gaskets, debris on mating surfaces.	Re-check bolt torque. Inspect and replace gaskets if necessary. Ensure mating surfaces are clean before reassembly.
Check Engine Light (CEL)	Engine running lean/rich due to altered airflow, sensor issues.	Scan for diagnostic trouble codes (DTCs). Consider professional engine tuning to adjust fuel trims. Verify all sensors are properly connected.
Reduced Performance	Engine not tuned for increased plenum volume, vacuum leak.	Consult with a professional tuner. Check for vacuum leaks as described above.

If issues persist, it is recommended to consult with a certified automotive technician or contact Skunk2 Racing customer support.

7. SPECIFICATIONS

Attribute	Detail
Model Number	907-05-9100
Brand	Skunk2 Racing
Material	Billet Aluminum
Color	Silver
Plenum Volume Increase	0.5 Liters
Item Weight	1.89 pounds
Country of Origin	Taiwan
UPC	873265012695

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or to inquire about replacement parts, please contact Skunk2 Racing directly.

Skunk2 Racing Official Website: www.skunk2.com

Amazon Store Page: Visit the Skunk2 Racing Store on Amazon

Note: Warranty terms may vary based on region and retailer. Please retain your proof of purchase.

© 2024 Skunk2 Racing. All rights reserved.

This manual is for informational purposes only. Skunk2 Racing is not responsible for any damage or injury resulting from improper installation or use of this product.

Related Documents - 907-05-9100

 Part Number: SHD017	<p>Rtunes Racing SI-HD017 Short Ram Air Intake Installation Guide</p> <p>Detailed installation instructions for the Rtunes Racing SI-HD017 Short Ram Air Intake Kit. Includes part list, step-by-step guidance, and support contact information for vehicle compatibility.</p>
 Panic Exit Devices	<p>Lockwood Panic Exit Devices Catalog</p> <p>Explore the comprehensive range of Lockwood Panic Exit Devices and Panic Bolts, designed for safety, security, and emergency egress. This catalog details various series, features, specifications, and compliance standards for commercial and public buildings.</p>
 MODULAR MASTER CLOCK	<p>Bodet Modular Master Clock: Time Distribution and Relay Programming</p> <p>Comprehensive technical specifications for the Bodet Modular Master Clock, detailing its features for wire or wireless time distribution, relay programming, network connectivity, and modular expansion options.</p>
 BLOX	<p>BLOX Racing Subframe Hard Collar Kit BXSS-20603 Installation Guide</p> <p>Detailed installation guide for the BLOX Racing Subframe Hard Collar Kit (BXSS-20603), compatible with select Honda Civic, Honda Fit, and Acura RSX models. Includes product details, required tools, and step-by-step assembly instructions.</p>
 xylem Centrifugal Split Case Fire Pumps	<p>Centrifugal Split Case Fire Pumps Installation, Operation, and Maintenance Manual - Xylem A-C Fire Pump</p> <p>Comprehensive guide for the installation, operation, and maintenance of Xylem's A-C Fire Pump centrifugal split case fire pumps, Series 8100, 8150, 8200, 8250, and 9100. Includes safety information, technical specifications, and troubleshooting.</p>



[Daikin Ductless Products Reference Guide: Efficient Heating & Cooling Solutions](#)

Explore Daikin's comprehensive reference guide for ductless HVAC systems, detailing product series, features, benefits, specifications, and installation tips for optimal home and commercial comfort.