

[Manuals.plus](#) /

› [Vibrant Performance](#) /

› Vibrant Performance 10357 Merge Collector User Manual

Vibrant Performance 10357

Vibrant Performance 10357 Merge Collector User Manual

Model: 10357

INTRODUCTION

This manual provides essential information for the proper installation, function, and maintenance of your Vibrant Performance 10357 Merge Collector. Designed for high-performance exhaust systems, this 2-into-1 merge collector is crafted from premium T304 Stainless Steel, ensuring durability and optimal exhaust flow. Please read this manual thoroughly before proceeding with installation or use.



Image: Front view of the Vibrant Performance 10357 Merge Collector, showcasing its polished stainless steel finish and precise welding.

SAFETY INFORMATION

Always prioritize safety when working with automotive components.

- Ensure the vehicle is securely supported on jack stands or a lift before working underneath.
- Allow the exhaust system to cool completely before handling to prevent burns.

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, especially during welding operations.
- Work in a well-ventilated area, particularly when welding or grinding.
- If professional welding is required, ensure it is performed by a qualified technician.
- Keep a fire extinguisher readily available during welding.

SETUP AND INSTALLATION

The Vibrant Performance 10357 Merge Collector is designed for custom exhaust fabrication and requires welding for proper installation.

Tools and Materials Required:

- Welding equipment (TIG welder recommended for stainless steel)
- Appropriate welding rods/filler material (e.g., 308L or 316L stainless steel)
- Grinder or cutting tools (if modifying existing exhaust components)
- Measuring tape and marking tools
- Clamps and fixturing tools to hold components in place during welding
- Cleaning supplies for metal preparation (e.g., acetone, wire brush)
- Personal Protective Equipment (PPE)

Installation Steps:

1. **Planning and Fitment:** Carefully plan the layout of your exhaust system. The merge collector is designed to combine two exhaust pipes into one. Ensure the 2.5-inch inlet and outlet dimensions match your existing or planned exhaust tubing.
2. **Preparation:** Clean all mating surfaces of the merge collector and the exhaust tubing thoroughly to remove any oil, grease, or contaminants. This is crucial for strong, clean welds.
3. **Positioning:** Position the merge collector and the connecting exhaust pipes. Use clamps or tack welds to temporarily hold the components in their desired alignment. Ensure proper angle and clearance for all vehicle components.
4. **Welding:** The Vibrant Performance 10357 Merge Collector features 16 gauge, 304 Stainless Steel construction. For optimal strength and corrosion resistance, TIG welding with back purging is highly recommended. Perform tack welds first, then proceed with full, continuous welds around all seams. Ensure full penetration and a smooth bead.
5. **Inspection:** After welding, allow the assembly to cool naturally. Inspect all welds for integrity, cracks, or pinholes. A leak test (e.g., using smoke or soapy water) can confirm a sealed connection.
6. **Final Assembly:** Once the merge collector is securely welded into the exhaust system, re-install any removed components and ensure all connections are tight and secure.



Image: Angled view of the Vibrant Performance 10357 Merge Collector, highlighting the smooth transition from two inlets to a single outlet, and the quality of the TIG welds.

OPERATIONAL CHARACTERISTICS

The Vibrant Performance 10357 Merge Collector is a passive component designed to optimize exhaust gas flow. Its primary function is to efficiently combine two exhaust streams into a single, larger stream with minimal turbulence. This design contributes to improved exhaust scavenging, which can enhance engine performance and sound. Once properly installed, the merge collector operates continuously as part of the exhaust system without requiring user interaction.

MAINTENANCE

As a durable stainless steel component, the Vibrant Performance 10357 Merge Collector requires minimal maintenance.

- **Periodic Inspection:** Regularly inspect the merge collector and surrounding welds for any signs of cracks,

corrosion, or damage, especially after severe impacts or off-road use.

- **Cleanliness:** While not strictly necessary for function, you may clean the exterior of the collector with appropriate stainless steel cleaners if desired for aesthetic purposes. Avoid abrasive materials that could scratch the surface.
- **Leak Checks:** If you suspect an exhaust leak, perform a leak test to identify any compromised welds or connections. Address any leaks promptly to maintain exhaust system integrity and performance.

TROUBLESHOOTING

Most issues related to a merge collector stem from improper installation or external damage.

Problem	Possible Cause	Solution
Exhaust Leak at Collector	Poor weld quality, cracked weld, or insufficient penetration.	Inspect welds for pinholes or cracks. Re-weld or repair as necessary. Ensure proper welding techniques were used during installation.
Vibration or Rattling Noise	Improper clearance with vehicle components, loose hangers, or contact with chassis.	Check for adequate clearance around the collector. Adjust hangers or re-route exhaust tubing if contact is occurring.
Collector Damage (Dents, Cracks)	Impact from road debris, scraping on obstacles, or excessive stress.	Assess the extent of damage. Minor dents may not affect performance, but cracks require repair or replacement to prevent leaks.

SPECIFICATIONS

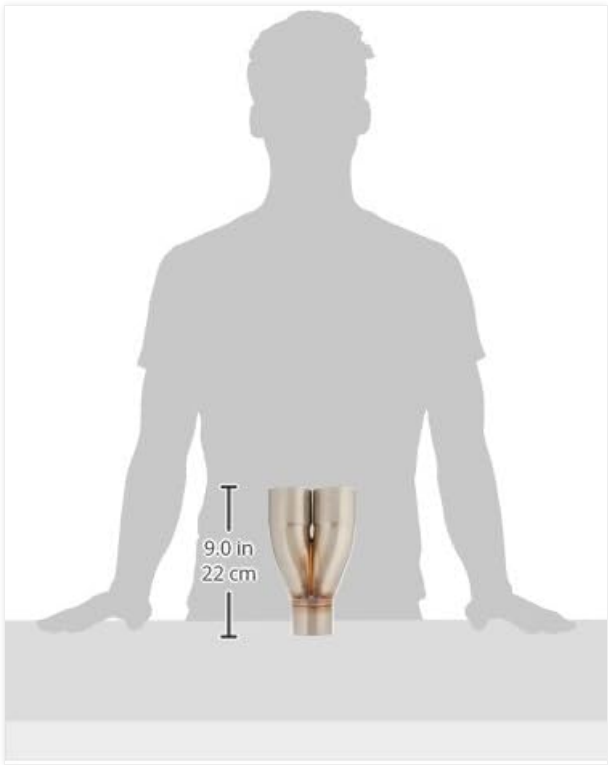


Image: The Vibrant Performance 10357 Merge Collector shown with key dimensions, including overall length and inlet/outlet sizes.

Attribute	Detail
Model Number	10357

Attribute	Detail
Product Type	Auto Part (Merge Collector)
Material	T304 Stainless Steel (16 gauge)
Inlet Slipover I.D.	2.50 inches
Outlet O.D.	2.50 inches
Overall Length	8.50 inches
Item Dimensions (L x W x H)	7.48 x 12.6 x 5.12 inches
Item Weight	1.92 Pounds (0.862 Kg)
Number of Pieces	1
Connector Type	Weld
Country of Origin	Taiwan

WARRANTY INFORMATION

The Vibrant Performance 10357 Merge Collector is covered by a **Two Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, abuse, modification, accident, or normal wear and tear. For full warranty terms and conditions, please refer to the official Vibrant Performance website or contact their customer support.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact Vibrant Performance customer support.

- **Website:** Visit the official [Vibrant Performance website](#) for product information, FAQs, and contact details.
- **Contact:** Refer to the "Contact Us" section on their website for phone numbers or email support.

When contacting support, please have your product model number (10357) and proof of purchase readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0038BOXZG>

More documents and user manuals: <https://manuals.plus/>