

## HPS Performance 57-1700-RED

# HPS 57-1700-RED Red Silicone Heater Hose Kit

Model: 57-1700-RED | Brand: HPS Performance

## INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your HPS 57-1700-RED Red Silicone Heater Hose Kit. This kit is designed to replace the stock OEM rubber heater coolant hoses in 2007-2010 Toyota Tundra 4.0L V6 vehicles, offering enhanced durability and performance.

## SETUP AND INSTALLATION

The HPS silicone heater hose kit is engineered with correct bends and curves to ensure a precise fitment for the specified vehicle application. Installation should be performed by individuals with appropriate mechanical knowledge and tools. Always ensure the engine is cool before beginning any work on the cooling system.

- 1. Preparation:** Ensure the vehicle's engine is completely cool. Drain the existing coolant from the system according to the vehicle manufacturer's recommendations.
- 2. Removal of OEM Hoses:** Carefully locate and remove the original rubber heater coolant hoses. Note their routing and connections for reference.
- 3. Hose Placement:** Identify the corresponding HPS silicone hoses for each original hose. The HPS hoses are designed to match the OEM hose shapes for a direct replacement.
- 4. Clamp Installation:** Position the provided 100% stainless steel non-perforated embossed hose clamps onto the ends of the silicone hoses before connecting them to the vehicle's fittings. These clamps are designed to secure the hoses without cutting into the silicone material.
- 5. Connection:** Connect the silicone hoses to their respective fittings on the engine and heater core. Ensure a snug fit and tighten the hose clamps securely, but do not overtighten.
- 6. Refill Coolant:** Refill the cooling system with the appropriate coolant type and quantity as specified by your vehicle manufacturer. Follow proper air-bleeding procedures to remove any trapped air from the system.

7. **Inspection:** After refilling, start the engine and allow it to reach operating temperature. Carefully inspect all connections for any signs of leaks.



This image displays the complete HPS 57-1700-RED Red Silicone Heater Hose Kit. It features two distinctively shaped red silicone heater hoses, designed for specific vehicle fitment. Alongside the hoses are several stainless steel hose clamps, intended for secure installation. Also included are a black license plate frame with 'HPS Performance Products' branding and two white HPS logo decals.

## OPERATING CONSIDERATIONS

HPS silicone hoses are engineered for high performance and durability under demanding conditions. They are designed to withstand harsh high temperature and high pressure operating environments, maintaining peak efficiency during daily driving or racing competition.

- **Temperature Rating:** These hoses have a maximum temperature rating of 350°F (177°C), making them suitable for extreme ambient and radiant temperature conditions.
- **Coolant Level Monitoring:** Due to the inherent properties of silicone, the water permeation rate is 10 to 15 times greater than standard EPDM rubber hoses. It is highly recommended to check the coolant level regularly, especially when the vehicle is used for daily driving, to ensure optimal cooling system performance.

## MAINTENANCE

Regular maintenance of your cooling system, including the HPS silicone heater hoses, is crucial for vehicle longevity and performance.

- **Visual Inspection:** Periodically inspect the hoses for any signs of wear, cracks, bulges, or leaks. Ensure clamps remain tight and secure.
- **Coolant Checks:** As noted, regularly check and maintain the coolant level. Top up with the correct coolant type as needed.
- **System Flush:** Adhere to your vehicle manufacturer's recommended coolant flush intervals to ensure the cooling system remains free of contaminants.

## TROUBLESHOOTING

The HPS silicone heater hose kit is designed to prevent and resolve common issues such as coolant leaks and engine overheating caused by degraded OEM rubber hoses. If you experience cooling system issues after installation, consider the following:

- **Coolant Leaks:** Re-check all hose connections and clamp tightness. Ensure there are no nicks or damage to the hoses themselves. Verify that the fittings are clean and free of debris.
- **Engine Overheating:** Confirm that the cooling system has been properly bled of air. Check the coolant level. Inspect other cooling system components (radiator, thermostat, water pump, fan) for proper function.
- **Hose Kinks:** Ensure hoses are routed correctly and are not kinked, which can restrict coolant flow.

If issues persist, it is recommended to consult a qualified automotive technician.

## SPECIFICATIONS

Feature	Detail
Model Number	57-1700-RED
Material	3-ply Reinforced Silicone
Color	Red
Maximum Temperature Rating	350°F (177°C)
Application	2007-2010 Toyota Tundra 4.0L V6
Clamps Included	100% Stainless Steel Non-Perforated Embossed Hose Clamps
Item Weight	4 Pounds
UPC	648044880501

## WARRANTY INFORMATION

The HPS silicone hose kit is backed by HPS Performance Products' limited lifetime warranty. For specific terms and conditions of the warranty, please refer to the official HPS Performance Products website or contact their customer service.

## CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty claims, please contact HPS Performance Products customer support. Refer to the official HPS Performance Products website for current contact information.