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GELUOXI 92400-ZT10A 92400-ZH000 92400-ZT00A

GELUOXI Heater Unit Inlet Hose Control Valve Instruction Manual

For Nissan Titan 5.6L (2006-2015) - Part Numbers: 92400-ZT10A, 92400-ZH000, 92400-ZT00A

Product Overview

This document provides essential information for the installation, operation, and maintenance of your GELUOXI Heater Unit Inlet Hose Control Valve. This component is designed as a direct replacement for specific Nissan Titan 5.6L models manufactured between 2006 and 2015. It plays a crucial role in regulating the flow of engine coolant to the vehicle's heater core, ensuring proper cabin heating.
Applicable Part Numbers: 92400-ZT10A, 92400-ZH000, 92400-ZT00A
Compatible Vehicles: Nissan Titan 5.6L (2006-2015) including LE, Off-Road, PRO-4X, S, SE, SL, SV, XE trims.

Key Features and Materials

- **High Quality Silicone Rubber:** Used for the hose components, offering flexibility and durability.
- **High Quality ABS:** Utilized for the valve housing, providing robust construction.
- **Metal Clamps:** Securely fasten the hoses.
- **Resistant Properties:** Designed to be high temperature resistant, oil resistant, and corrosion resistant.



Figure 1: Overview of the GELUOXI Heater Unit Inlet Hose Control Valve assembly.

This image displays the complete heater unit inlet hose control valve assembly, featuring the main valve body integrated with the hoses. The black hoses are made from high-quality silicone rubber, and the valve body is constructed from high-quality ABS plastic. Metal clamps are visible, securing the hose connections.

Safety Information

Always prioritize safety when working on your vehicle. Improper installation or handling of automotive parts can lead to

injury or damage. It is highly recommended to seek assistance from a professional engineer or certified mechanic for installation.

- Ensure the engine is cool and the vehicle is turned off before beginning any work.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Be aware of hot engine components and fluids.
- Properly dispose of old coolant and parts according to local regulations.

Installation Instructions

Installation of the heater unit inlet hose control valve requires careful attention to detail. Refer to your vehicle's specific service manual for detailed steps on accessing and replacing this component. The following general steps are provided as a guide.

Required Tools:

- Screwdriver set
- Pliers (for hose clamps)
- Coolant drain pan
- New engine coolant (if required)

Step-by-Step Guide:

1. **Prepare the Vehicle:** Park the vehicle on a level surface and engage the parking brake. Allow the engine to cool completely.
2. **Drain Coolant:** Place a drain pan under the radiator and open the drain cock to drain the engine coolant.
3. **Locate the Old Valve:** Identify the existing heater unit inlet hose control valve. It is typically located near the firewall, connected to the heater hoses.
4. **Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old valve.
5. **Remove Hose Clamps:** Use pliers to loosen and slide back the hose clamps on both ends of the old valve.
6. **Remove Old Valve:** Gently twist and pull the hoses off the old valve. Be prepared for residual coolant to spill. Remove any mounting screws or bolts securing the valve.
7. **Install New Valve:** Position the new GELUOXI heater unit inlet hose control valve in place. Ensure the flow direction arrow on the valve body (if present) matches the coolant flow.
8. **Connect Hoses:** Attach the hoses to the new valve, ensuring they are fully seated. Slide the hose clamps back into position and tighten them securely.
9. **Connect Electrical Connector:** Reconnect the electrical connector to the new valve. Ensure it clicks into place.
10. **Refill Coolant:** Close the radiator drain cock. Refill the cooling system with the appropriate type and amount of engine coolant as specified by your vehicle manufacturer.
11. **Bleed Air:** Start the engine and allow it to reach operating temperature with the heater on full. Monitor the coolant level and add more as needed to bleed air from the system. Check for leaks.



Figure 2: The heater unit inlet hose control valve showing the hose connections and mounting points.

This image provides a different angle of the heater unit inlet hose control valve, highlighting the integrated hoses and the mounting bracket. The design ensures a precise fit for the specified Nissan Titan models.



Figure 3: A close-up view of the hose connections and the valve body, showing the secure metal clamps.

This close-up image details the robust metal clamps used to secure the hoses to the valve body, ensuring a leak-free connection. The textured surface of the mounting bracket is also visible.



Figure 4: Detail of the electrical connector on the heater unit inlet hose control valve.

This image focuses on the electrical connector of the valve, which is a crucial part for its electronic control. The connector is designed for a secure and reliable connection to the vehicle's wiring harness.



Figure 5: An alternative view of the heater unit inlet hose control valve, showing the overall hose routing.

This image provides a broader perspective of the valve and its attached hoses, illustrating the general shape and routing that should match the original component in the vehicle.



Figure 6: Detailed view of the 2-pin electrical connector for the heater control valve.

This highly detailed image shows the 2-pin configuration of the electrical connector, which is essential for verifying compatibility with the vehicle's wiring harness.

Installation Video Reference:

For a visual guide on the installation process, please refer to the following videos. These videos demonstrate the component and its features, which can aid in understanding the installation steps.

[redacted]

Video 1: Heater Unit Inlet Hose Tube Pipe Control Valve Assembly overview. This video provides a visual demonstration of the product, including its components and how they connect, which can be helpful during installation.

[redacted]

Video 2: Heater Unit Inlet Hose Control Valve for Nissan Titan 5.6L. This video offers another perspective on the product, detailing its features and fitment for the Nissan Titan 5.6L, assisting with proper installation.

[redacted]

Video 3: Heater Unit Inlet Hose Control Valve. This video provides a general overview of the heater unit inlet hose control valve, demonstrating its physical characteristics and flexibility, which can be useful for handling during installation.

Operation

The heater unit inlet hose control valve operates automatically as part of your vehicle's climate control system. Its function is to regulate the flow of hot engine coolant to the heater core, which in turn provides warm air to the cabin. When the heater is activated, the valve opens to allow coolant flow; when the heater is off or set to a cooler temperature, the valve restricts or closes the flow.
No direct user interaction with the valve itself is required during normal operation. Its function is controlled by the vehicle's HVAC system based on the temperature settings selected by the driver.

Maintenance

The GELUOXI Heater Unit Inlet Hose Control Valve is designed for durability and minimal maintenance. Regular inspection of the cooling system is recommended to ensure optimal performance and longevity of all components, including this valve.

- **Coolant Level and Quality:** Regularly check your engine coolant level and ensure it is clean and at the correct concentration. Contaminated or low coolant levels can stress cooling system components.
- **Hose Inspection:** Periodically inspect the heater hoses connected to the valve for any signs of cracks, leaks, bulges, or hardening. Replace hoses if damage is observed.
- **Clamp Tightness:** Check that all hose clamps are secure and free from corrosion.
- **Electrical Connection:** Ensure the electrical connector is clean, secure, and free from corrosion.

If any issues are detected, consult a qualified mechanic for diagnosis and repair.

Troubleshooting

If you experience issues with your vehicle's heating system after installing or while using this component, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
No heat or insufficient heat in cabin	◦ Low coolant level ◦ Air in cooling system ◦ Faulty heater control valve (stuck closed) ◦ Clogged heater core	◦ Check and refill coolant ◦ Bleed air from cooling system ◦ Inspect valve for proper operation (may require professional diagnosis) ◦ Flush or replace heater core (professional service recommended)
Constant heat (cannot turn off or regulate)	◦ Faulty heater control valve (stuck open) ◦ HVAC control unit issue	◦ Inspect valve for proper operation (may require professional diagnosis) ◦ Consult a mechanic for HVAC system diagnosis
Coolant leak around valve or hoses	◦ Loose or damaged hose clamps ◦ Damaged hoses ◦ Improperly seated hoses ◦ Cracked valve housing	◦ Tighten or replace clamps ◦ Replace damaged hoses ◦ Re-seat hoses properly ◦ Replace valve assembly

If these steps do not resolve the issue, professional diagnosis by a certified mechanic is recommended.

Specifications

- **Brand:** GELUOXI
- **Manufacturer Part Numbers:** 92400-ZT10A, 92400-ZH000, 92400-ZT00A
- **Compatible Vehicle:** Nissan Titan 5.6L (2006-2015)
- **Material (Hoses):** High Quality Silicone Rubber
- **Material (Valve Housing):** High Quality ABS
- **Exterior Finish:** Stainless Steel (for certain components like clamps)
- **Inlet Connection Type:** Barb
- **Outlet Connection Type:** NPT
- **Number of Ports:** 2
- **Item Weight:** Approximately 1.7 pounds
- **Package Dimensions:** Approximately 17.2 x 10.5 x 4.3 inches

Warranty and Support

For specific warranty information regarding your GELUOXI Heater Unit Inlet Hose Control Valve, please refer to the product packaging or contact the manufacturer directly. If you have any questions or require further assistance, please contact GELUOXI customer support.
Note: This manual is intended for informational purposes only. Always consult a qualified professional for complex automotive repairs.

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