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Gates 362350

Gates 362350 Power Steering Pressure Line Hose Assembly Instruction Manual

Model: 362350 | Brand: Gates

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Gates 362350 Power Steering Pressure Line Hose Assembly. This OEM-type assembly is designed for passenger cars and light trucks, ensuring proper fit, form, quality, and function that meets or exceeds original equipment standards.

The Gates 362350 Power Steering Pressure Line Hose Assembly is a critical component in your vehicle's power steering system, responsible for transmitting hydraulic pressure from the power steering pump to the steering gear. Adhering to these instructions will help ensure the longevity and optimal performance of the assembly and your vehicle's steering system.

2. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- Ensure the vehicle is securely supported on jack stands before beginning any work.
- Disconnect the battery's negative terminal to prevent accidental electrical discharge.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Power steering fluid is corrosive and can cause skin irritation. Avoid contact and clean up spills immediately.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- If you are unsure about any step, consult a qualified automotive technician.

3. PACKAGE CONTENTS

The Gates 362350 Power Steering Pressure Line Hose Assembly package typically includes:

- 1 x Gates 362350 Power Steering Pressure Line Hose Assembly
- Necessary O-rings and copper washers for installation (as pictured)

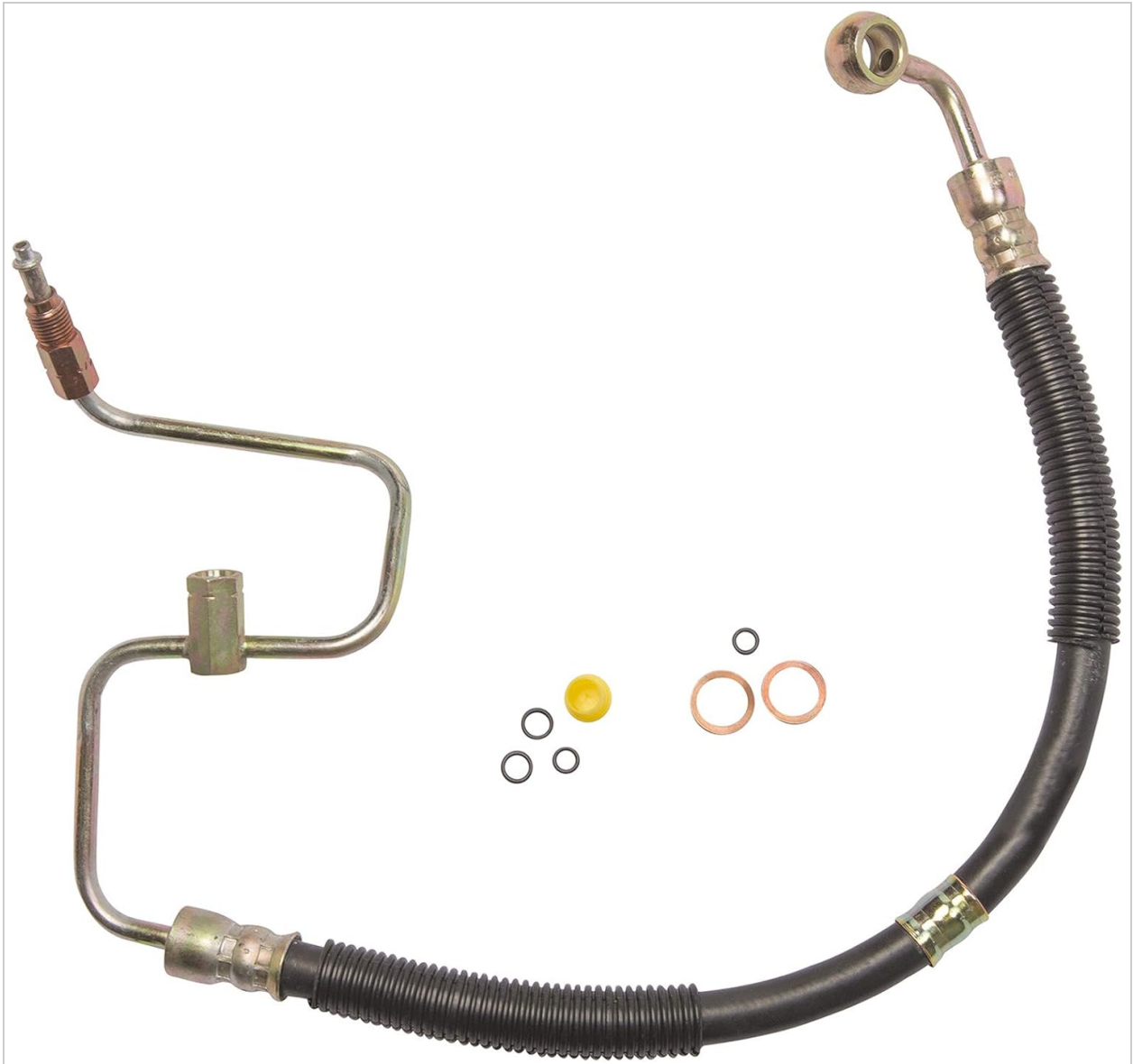


Image 1: Gates 362350 Power Steering Pressure Line Hose Assembly. This image displays the Gates 362350 Power Steering Pressure Line Hose Assembly. It features a main flexible hose section, a rigid metal line, and various pre-bent zinc-dichromate plated end fittings. Also visible are several small O-rings and copper washers, which are typically included for a complete and leak-free installation.

4. INSTALLATION

The Gates 362350 assembly comes complete with factory-installed, pre-bent zinc-dichromate plated end fittings, brackets, sensor ports, sheathing, bushings, and grommets for a direct fit. The connection on the uncoupled end of the return line assembly is made with ordinary worm-drive clamps.

General Installation Steps:

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Raise the front of the vehicle and support it with jack stands.
2. **Drain Fluid:** Place a drain pan under the power steering pump and steering gear. Loosen the hose connections to drain the power steering fluid.
3. **Remove Old Assembly:** Carefully disconnect and remove the old power steering pressure line hose assembly. Note the routing and connection points for proper reinstallation.

4. **Install New Assembly:** Install the new Gates 362350 assembly, ensuring all pre-bent fittings align correctly. Hand-tighten all connections first.
5. **Secure Connections:** Torque all fittings to the manufacturer's specifications. For the return line connection, use appropriate worm-drive clamps to ensure a secure, leak-free seal.
6. **Refill System:** Refill the power steering reservoir with the recommended power steering fluid.
7. **Bleed System:** Start the engine and slowly turn the steering wheel from lock to lock several times to bleed air from the system. Check the fluid level and top off as needed.
8. **Inspect for Leaks:** With the engine running, carefully inspect all connections for any signs of leaks.
9. **Final Check:** Lower the vehicle and perform a final check of the steering system's operation.

It is recommended that installation be performed by a certified automotive technician to ensure proper procedure and safety.

5. OPERATION

The Gates 362350 Power Steering Pressure Line Hose Assembly functions as a conduit for high-pressure hydraulic fluid within the power steering system. Once correctly installed, it operates continuously as part of the vehicle's steering mechanism, requiring no direct user interaction during normal vehicle operation. Its primary role is to maintain the integrity of the hydraulic circuit, ensuring consistent and responsive power assistance for steering.

6. MAINTENANCE

Regular inspection and maintenance of your power steering system, including the Gates 362350 hose assembly, are crucial for vehicle safety and performance. While the hose assembly itself is designed for durability, external factors and general wear can affect its lifespan.

Recommended Maintenance Practices:

- **Regular Visual Inspection:** Periodically inspect the hose assembly for cracks, abrasions, bulges, or signs of fluid leakage. Check the connections for tightness.
- **Fluid Level Check:** Regularly check the power steering fluid level and top off with the manufacturer-recommended fluid if necessary.
- **Fluid Condition:** Observe the power steering fluid for discoloration or a burnt smell, which can indicate system issues.
- **System Checks:** At significant mileage intervals (e.g., 90,000 miles), consider a comprehensive check of the entire power steering system, including the pump, steering gear, and all hoses.

Helpful Resources from Gates:

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Video 1: Protect the Ride - Your High Mileage Vehicle. This video from Gates US Auto provides general maintenance tips for high-mileage vehicles, emphasizing the importance of timely checks for components like belts, hoses, and pumps to ensure longevity and performance.

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Video 2: Protect the Ride - Your Import Vehicle. This video from Gates US Auto discusses the availability of high-quality aftermarket parts for import vehicles, highlighting Gates' commitment to providing components that meet or exceed original equipment standards for maintenance and repairs.

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Video 3: Introducing NaviGates - An Online and App Based Catalog. This video introduces the NaviGates online and app-

based catalog, demonstrating how users can efficiently search for Gates parts by vehicle market, OE competitor part number, or VIN scan, and locate nearby auto parts stores.

7. TROUBLESHOOTING

If you experience issues with your power steering system after installing the Gates 362350 hose assembly, consider the following common troubleshooting steps:

- **Fluid Leaks:** Re-check all connections for proper torque. Inspect the hose for any damage that may have occurred during installation. Ensure O-rings and washers are correctly seated.
- **Noisy Steering:** This can often be caused by air in the system. Re-bleed the power steering system thoroughly by turning the steering wheel from lock to lock with the engine running. Low fluid levels can also cause noise.
- **Stiff Steering:** Ensure the power steering fluid level is correct. Check for proper belt tension on the power steering pump. If the issue persists, it may indicate a problem with the power steering pump or steering gear, not the hose itself.
- **Incorrect Part:** Double-check that the Gates 362350 is the correct part number for your specific vehicle application.

For persistent issues, it is advisable to consult a professional mechanic.

8. SPECIFICATIONS

Specification	Detail
Manufacturer	Gates
Brand	Gates
Model	Power Steering Pressure Line Hose Assembly
Item Model Number	362350
Exterior	Machined
Manufacturer Part Number	362350
OEM Part Number	4972030R01
ASIN	B000C2WHAC
Date First Available	November 9, 2005

9. WARRANTY AND SUPPORT

Gates products are manufactured to high-quality standards and are backed by a commitment to customer satisfaction. For specific warranty information, please refer to the documentation included with your purchase or visit the official Gates website.

For technical support, product inquiries, or to locate a Gates distributor, please visit theGates Store on Amazon or utilize the NaviGates app for comprehensive product solutions and store locator features.

