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› Speedmaster PCE613.1001 TH350 Transmission Pan Gasket User Manual

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Model: PCE613.1001

PRODUCT OVERVIEW

The Speedmaster PCE613.1001 is an automatic transmission pan gasket specifically designed for GM TH350 transmissions. This gasket features a robust construction of rubber with a steel core, engineered to provide superior sealing performance. It is designed to prevent leaks, which are critical to maintaining the health and longevity of performance transmissions. The cellulose/nitrile material offers excellent tensile strength and blowout resistance, while its latex coating adapts to minor surface irregularities for an optimal seal.

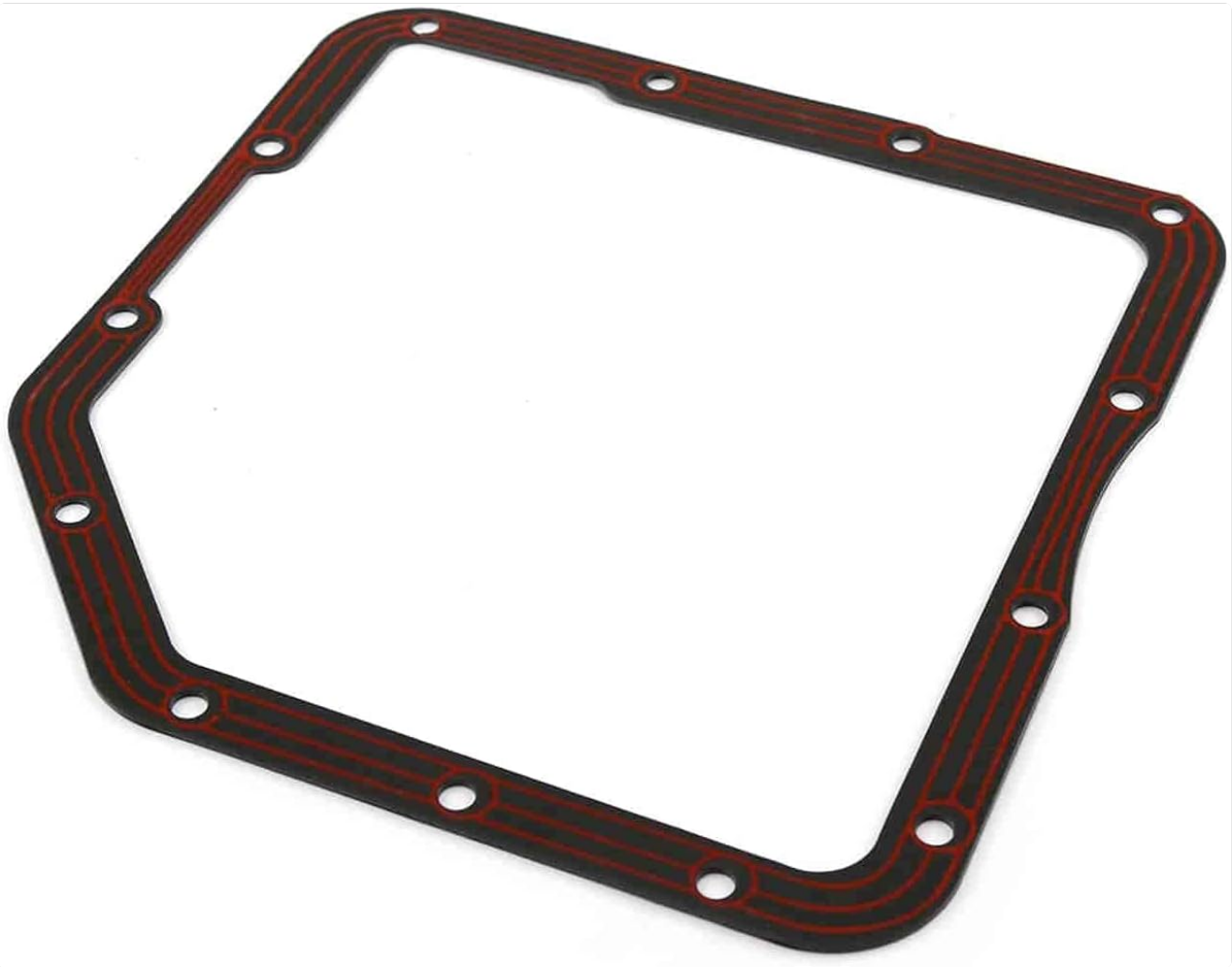


Image: Speedmaster TH350 Transmission Pan Gasket. This image displays the black rubber gasket with red internal lines, featuring multiple bolt holes around its perimeter, designed for a transmission pan.

INSTALLATION INSTRUCTIONS

Proper installation is crucial for the effective sealing and longevity of your Speedmaster transmission pan gasket. Follow these steps carefully:

1. **Preparation:** Ensure the transmission pan and transmission case mating surfaces are thoroughly cleaned and free of old gasket material, oil, grease, or debris. A clean surface is essential for a proper seal.
2. **Gasket Placement:** Carefully position the new Speedmaster PCE613.1001 gasket onto the transmission pan. The steel core provides rigidity, aiding in proper alignment.
3. **Pan Reinstallation:** Align the transmission pan with the bolt holes on the transmission case. Insert all bolts by hand to ensure they are not cross-threaded.
4. **Torque Sequence:** Tighten the pan bolts in a crisscross or spiral pattern to ensure even pressure distribution. Refer to your vehicle's service manual for the specific torque specifications for your TH350 transmission pan bolts. Overtightening can damage the gasket or pan, while undertightening can lead to leaks.
5. **Fluid Refill:** Once the pan is securely installed, refill the transmission with the appropriate type and amount of transmission fluid as specified by your vehicle manufacturer.
6. **Initial Check:** After refilling, start the engine and allow it to reach operating temperature. Carefully inspect the perimeter of the transmission pan for any signs of leaks.

It is recommended to consult a professional mechanic if you are unsure about any step of the installation process.

FUNCTIONALITY

The Speedmaster PCE613.1001 transmission pan gasket serves as a critical seal between the transmission pan and the transmission housing. Its primary function is to prevent the leakage of transmission fluid, which is vital for the proper lubrication, cooling, and operation of the automatic transmission. The combination of rubber and a steel core, along with the cellulose/nitrile material and latex coating, ensures a durable and reliable seal that can withstand the operational pressures and temperatures within the transmission system.

MAINTENANCE AND CARE

While the Speedmaster transmission pan gasket is designed for long-term durability, periodic inspection can help ensure continued optimal performance:

- **Regular Inspection:** During routine vehicle maintenance, such as oil changes or transmission fluid checks, visually inspect the area around the transmission pan for any signs of fluid leaks or seepage.
- **Addressing Leaks:** If any leaks are detected, it is important to address them promptly. A persistent leak can lead to low fluid levels, potentially causing significant damage to the transmission.
- **Fluid Compatibility:** Always use transmission fluids that are compatible with your vehicle's specifications. Incompatible fluids can degrade gasket materials over time.

TROUBLESHOOTING

If you experience issues after installing the transmission pan gasket, consider the following common troubleshooting steps:

- **Fluid Leaks:**
 - **Cause:** Improper installation, uneven torque on bolts, damaged pan, or debris on mating surfaces.
 - **Solution:** Re-check bolt torque according to manufacturer specifications. Ensure mating surfaces were perfectly clean before installation. Inspect the transmission pan for warpage or damage that might prevent a proper seal. If necessary, remove the pan, clean surfaces again, and reinstall with a new gasket.
- **Gasket Damage During Installation:**
 - **Cause:** Overtightening bolts, sharp edges on the pan, or improper handling.
 - **Solution:** If the gasket is visibly damaged, it must be replaced. Always handle the gasket carefully and follow torque specifications.

For persistent issues, it is advisable to seek assistance from a qualified automotive technician.

PRODUCT SPECIFICATIONS

Brand	Speedmaster
Model Number	PCE613.1001
OEM Part Number	PCE613.1001
Application	GM TH350 Automatic Transmissions
Material	Rubber with Steel Core (Cellulose/Nitrile with Latex Coating)
Item Weight	2 pounds
Product Dimensions	15.2 x 15.3 x 4.6 inches

WARRANTY AND SUPPORT

Specific warranty details for the Speedmaster PCE613.1001 TH350 Transmission Pan Gasket are not provided within this manual. For information regarding product warranty, returns, or technical support, please contact Speedmaster customer service directly or refer to the retailer's policy where the product was purchased.