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› [Standard Motor Products](#) /

› Standard Motor Products TGT100 Automatic Transmission Governor Repair Kit User Manual

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Model: TGT100

1. PRODUCT OVERVIEW

The Standard Motor Products TGT100 Automatic Transmission Governor Repair Kit is designed to restore proper function to your vehicle's automatic transmission governor. This kit provides components manufactured to meet or exceed strict quality requirements, ensuring reliable and consistent performance. It is intended for specific vehicle applications to maintain optimal transmission operation.



Image 1.1: Components of the Standard TGT100 Automatic Transmission Governor Repair Kit. The image displays two main parts: a metallic cylindrical solenoid assembly with an electrical connector on the left, and a black plastic housing with internal components and an electrical connector on the right. Both parts feature seals and filters.

2. WHAT'S IN THE BOX

The Standard TGT100 Automatic Transmission Governor Repair Kit typically includes the necessary components for repairing or replacing the transmission governor. Please verify the contents upon receipt against your specific vehicle's requirements.

- Transmission Governor Repair Kit components (as pictured and specified for your application)

3. INSTALLATION INSTRUCTIONS

Installation of the TGT100 Automatic Transmission Governor Repair Kit requires specialized automotive knowledge and tools. It is highly recommended that installation be performed by a qualified automotive technician.

1. **Safety First:** Ensure the vehicle is safely lifted and supported. Disconnect the battery to prevent electrical hazards. Allow the transmission to cool if recently operated.
2. **Drain Transmission Fluid:** Partially or fully drain the transmission fluid as required by your vehicle's service manual to access the governor assembly.
3. **Locate and Remove Old Governor:** Refer to your vehicle's specific service manual for the exact location and removal procedure of the existing transmission governor components.
4. **Inspect Area:** Clean the mounting area and inspect for any additional damage or wear that may need addressing.
5. **Install New Components:** Carefully install the new components from the TGT100 repair kit, ensuring all seals and connections are properly seated and secured. Follow torque specifications provided in your vehicle's service manual.
6. **Reconnect Electrical:** Reconnect any electrical connectors firmly.
7. **Refill Transmission Fluid:** Refill the transmission with the correct type and amount of fluid as specified by the vehicle manufacturer.
8. **Test Operation:** Reconnect the battery and test the vehicle's transmission operation according to the manufacturer's guidelines. Check for leaks.

Note: Always consult your vehicle's specific service manual for detailed, model-specific instructions and safety precautions.

4. FUNCTION OF A TRANSMISSION GOVERNOR

An automatic transmission governor is a crucial component responsible for regulating transmission shift points based on vehicle speed. It typically consists of weights that move outward as vehicle speed increases, generating hydraulic pressure that influences the transmission's valve body. This pressure helps determine when the transmission shifts gears, ensuring smooth and efficient operation across various speeds and loads. A properly functioning governor is essential for correct gear selection and overall transmission performance.

5. MAINTENANCE

While the governor itself is not typically a user-serviceable item for routine maintenance, its longevity and proper function are directly tied to the overall health of your automatic transmission. Adhere to the following general maintenance practices:

- **Regular Fluid Changes:** Follow your vehicle manufacturer's recommendations for transmission fluid and filter changes. Clean, fresh fluid is vital for all internal transmission components, including the governor.
- **Use Correct Fluid:** Always use the type of transmission fluid specified by your vehicle manufacturer. Incorrect fluid can lead to premature wear and component failure.
- **Monitor for Leaks:** Regularly check for any signs of transmission fluid leaks. Address leaks promptly to prevent low fluid levels, which can damage internal components.
- **Avoid Overheating:** Prevent transmission overheating by ensuring your vehicle's cooling system is functioning correctly, especially if towing or operating in demanding conditions.

6. TROUBLESHOOTING COMMON ISSUES

If you experience issues with your automatic transmission after governor repair or suspect a governor-related problem, consider the following:

- **Incorrect Shift Points:** If the transmission shifts too early or too late, or holds gears for too long, it could indicate an issue with the governor or its associated components.
- **No Upshifts:** A complete failure to upshift may point to a severely malfunctioning governor or a blockage in its hydraulic passages.
- **Harsh Shifting:** While often related to other transmission issues, an improperly functioning governor can contribute to harsh or erratic shifts.
- **Check Engine Light:** Modern vehicles may illuminate the check engine light and store diagnostic trouble codes (DTCs) related to transmission control or governor performance. A professional diagnostic scan is recommended.

Recommendation: For any persistent transmission issues, consult a certified automotive technician for diagnosis and repair.

7. SPECIFICATIONS

Attribute	Detail
Brand	Standard Motor Products
Model Number	TGT100
Product Type	Automatic Transmission Governor Repair Kit
Item Weight	3.2 ounces
Product Dimensions	2 x 4 x 2 inches
Exterior Finish	Machined
Manufacturer Part Number	TGT100

8. WARRANTY AND SUPPORT

Standard Motor Products aims to deliver high-quality automotive replacement parts. For specific warranty information, please refer to the documentation included with your purchase or visit the official Standard Motor Products website. If you have any questions regarding fitment, installation, or product performance, please contact Standard Motor Products customer support or the retailer from whom the product was purchased. Providing your vehicle's make, model, year, and VIN will assist in obtaining accurate information.

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