

SIL 12-TR-26

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SUBJECT: Tin Coating on Select Thrust Washers

MODELS AFFECTED: 1000 Series™, 2000 Series™, 9-Speed, 3000 Series™, and 4000 Series™

Introduction

Steel-backed, bronze thrust washers will change to include a thin, tin coating from the supplier as a corrosion preventative, refer to [Figure 1](#). This coating does not change the thrust washer's fit, form, or function in the transmission.



**FORMER
THRUST WASHER**



**CURRENT
THRUST WASHER**

7001378

Figure 1. Example Comparison of Former Thrust Washer (left) and Current Thrust Washer (right)

The fifteen affected part numbers that now contain a tin coating are provided in [Table 1](#).

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Please Note: Allison Transmission Service Information Letters are intended for use by professional, trained technicians, not for the "do-it-yourselfer." They are written to inform those technicians of conditions that may occur on some transmission models (or serial numbers ranges) or to provide information that could assist in the proper servicing of a specific Allison transmission. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, do not assume that the Service Information Letter applies to your transmission, or that your transmission has the condition described. Product evolution and information updates are inevitable. Please see your authorized Allison Transmission service leader or distributor to understand if your particular transmission may benefit from the information contained within the Service Information Letter.

Table 1. List of Tin Coated Thrust Washer P/Ns and Use Locations

Part Name	Transmission Models	Part Number
Washer-Thrust, P1	1000 Series, 2000 Series, 9-Speed	29531102
Washer-Thrust, P3-1000	1000 Series, 2000 Series, 9-Speed	29531129
Washer-Thrust, P2	1000 Series, 2000 Series, 9-Speed	29536581
Washer-Thrust, P3	1000 Series, 2000 Series, 9-Speed	29536582
Washer-Thrust	3000 Series	29502037
Washer-Thrust, P2	3000 Series	29502038
Washer-Thrust, P1	3000 Series	29502040
Washer-Thrust, P3	3000 Series	29511406
Washer-Thrust, P3	3000 Series	29511407
Washer-Thrust, Planetary P1	4000 Series	29506051
Washer-Thrust	4000 Series	29506052
Washer-Thrust	4000 Series	29506053
Washer-Thrust, Planetary P3	4000 Series	29506054
Washer-Thrust, Planetary P3	4000 Series	29506055
Washer-Thrust	4000 Series	29506056

Tin coating is thin and considered immeasurable. Current and former thrust washers experienced equivalent wear during testing. As such, the dimensions and tolerances of the current thrust washers are held to the former design.

The service channel will see a color difference between current and former thrust washers due to the addition of the tin coating. After use, the tin coating makes wear more obvious, as shown in [Figure 2](#).



Figure 2. Example of Visual Wear Evidence of Former Thrust Washer (left) and Current Thrust Washer (right)