SUBJECT: 4700, 4800 Output Shaft – Rear Cover and Retarder Rear Modules

MODELS AFFECTED: 4000 Series™ - All 4700, 4800 models

Introduction:

As a continuous product improvement, a change has been been made to the 4000 Series™ 4700/4800 7-speed Output Shaft for both Rear Cover and Retarder modules. Current part numbers (P/N) are mandatory for the forthcoming 4900 and 4970 models and optional for all other 4700 and 4800 based models. Due to the nature of the change and full backward compatibility of the current part numbers, individual serial number (S/N) breakpoints were not established and are unnecessary. For information regarding part identification see Figure 1.

Service Procedures:

All related service procedures remain unchanged.

Service Parts:

Former Output Shaft Assembly part numbers will be completely cancelled. When inventory of former part numbers are exhausted, orders for those part numbers will automatically be filled with the corresponding current part numbers. See Table 1 for former and current part numbers.

Output Shafts for the 4700 and 4800 models are serviced only as assemblies, with the Output Shaft Bushing installed. The Output Shaft Bushing remains unchanged and continues to be serviceable under its own part number, as currently shown in the Parts Catalog.

Parts Catalog:

The Allison Transmission Parts Catalogs will show the related part number changes via the History button.

Table 1. 4700, 4800 Output Shaft Assembly Part Numbers

Part Name	Usage	Former P/N	Current P/N
Shaft Assembly, Output	4700, 4800 - Rear Cover	29542554	29566160
Shaft Assembly, Output	4700, 4800 - Retarder	29545018	29566159

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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 dealer or distributor to understand if your particular transmission may benefit from the information contained within the Service Information Letter.

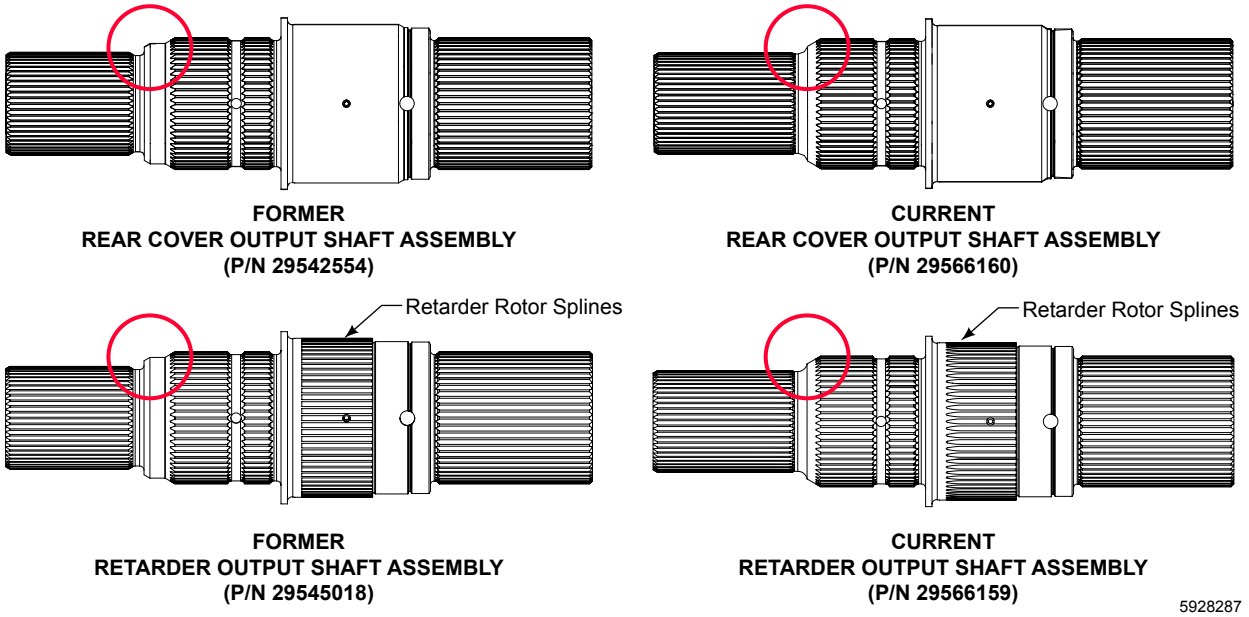


Figure 1. Output Shaft Assembly Identification

	Part Name	Usage	Former P/N (Left)	Current P/N (Right)
Rear Cover (Top)	Shaft Assembly, Output	4700, 4800 - Rear Cover	29542554	29566160
Retarder (Bottom)	Shaft Assembly, Output	4700, 4800 - Retarder	29545018	29566159

NOTE: Note geometry changes to shoulder (circled) between Former (Left) and Current (Right) configurations.

Note addition of spline to OD of shaft for Retarder models (Bottom).

SERVICE KIT PART NUMBER 29545915:

The service kit P/N 29545915 intended to convert 4700/4800 Retarder model transmissions built prior to S/N 6610083341 to the current Output Shaft configuration (with stepped OD Output Shaft and two different Output Shaft Bearings in the Retarder Assembly) will continue to be offered. When inventory of the former Output Shaft Assembly (P/N 29545018) included in the kit is exhausted, the kit will be updated to include the current Output Shaft Assembly (P/N 29566159). See Figure 2 for identification of Output Shaft Assembly (P/N 29542561) which was installed in units prior to S/N 6610083341. For additional information, see Instruction Sheet No. 324.

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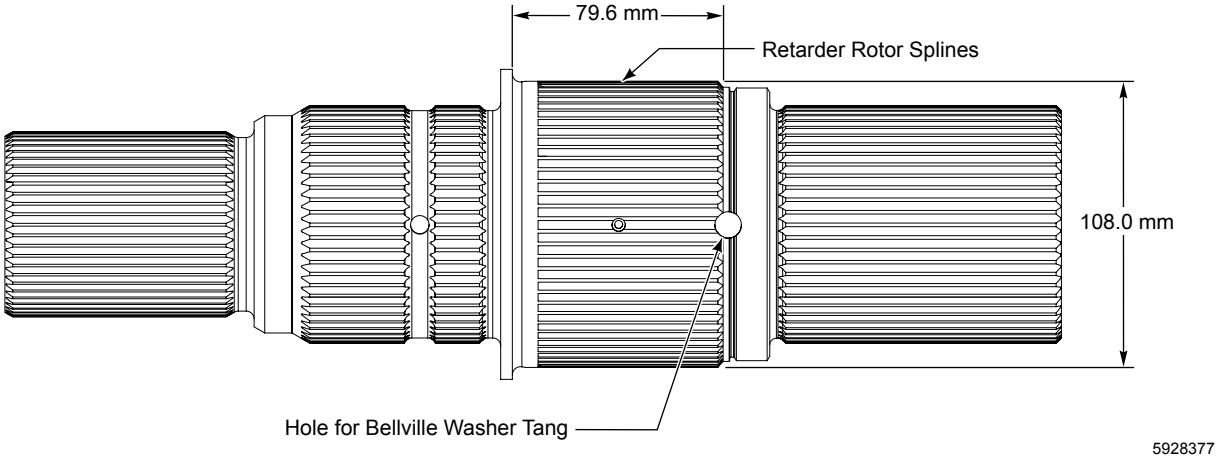


Figure 2. P/N 29542561 Output Shaft Assembly Identification – Installed In Units Prior To S/N 6610083341

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