

TT8144EN
March, 2018
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SUBJECT: Ordering New Replacement 3000 and 4000 Series™ Transmissions as Service Spares

MODELS AFFECTED: 3000 and 4000 Series™ Product Family Transmissions

Introduction:

WATCH #529 announced the release of a new aluminum main valve body in Allison Transmission 3000 and 4000 Series™ Product Family transmissions in the first quarter of calendar year 2018. As stated in the WATCH, the aluminum main valve body is NOT compatible with 5th Generation Controls 2016 BCD 162 (and earlier) software. The aluminum hardware is also NOT compatible with 4th Generation Controls systems, including vehicle installations using the 4th Generation Controls A59 service TCM.

In conjunction with valve body change, the transmission TransID level incremented from TIDA to TIDB. The former cast iron valve body configuration is designated TIDA. The current aluminum valve body configuration is designated TIDB. TIDA transmissions using the cast iron components are compatible with all 4th Generation and 5th Generation Controls systems; however, TIDB transmissions are only compatible with 5th Generation Controls systems using BCD 171 or later software. Refer to [Table 1](#) for compatibility of TCM, software level, and TID Level.

Table 1. TIDA and TIDB Compatibility

	Transmission Hardware	
	TIDA	TIDB
4th Generation TCM (including A59)	compatible	incompatible
5th Generation TCM with Pre-C171 software level	compatible	incompatible
5th Generation TCM with C171 or later software level	compatible	compatible

Action:

The only production configuration currently available from Allison is the TIDB aluminum valve body type. Transmission assembly numbers (E-numbers) did not change when the TIDB aluminum valve body hardware was introduced. Consequently, an E-number may have been built with either TIDA or TIDB components. Distributor and Dealers should consult [Table 1](#) and determine if any compatibility issues exist when using a new TIDB transmission as a service spare.

All TIDA cast iron valve body parts, including fully assembled TIDA control module assemblies, are being maintained for service. Refer to the 3000 Series™ or 4000 Series™ parts catalog on the Allison Hub for part numbers. TIDB transmissions may be retrofitted to TIDA configuration by an authorized channel partner's service department. Distributor and Dealer sales representatives responding to orders for new replacement units should be aware of the additional parts cost and labor to convert a 3000 Series™ or 4000 Series™ transmission to the TIDA configuration, if required by the end user.

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