SIL
SERVICE INFORMATION LETTER

Allison Transmission

Revisions to this document are noted by a stripe in the left-hand margin

SUBJECT: Transition from Isotropic to Non-Isotropic Finishing for P3 Sun Gear Shaft and P3 Pinion Gears

MODELS AFFECTED: H 40/50 EP™ and eGen Flex® Drive Units

SERIAL NUMBERS AFFECTED: 7110010643 through 7110011547

Introduction

Isotropic finishing was introduced on eGen Flex Drive Unit serial numbers 7110010643 through 7110011547 for the P3 Sun Gear Shaft and P3 Pinion Gears. Going forward, isotropic finishing will not be utilized for these components. Mixing of isotropic-finished and non-isotropic gears must be avoided. If servicing the P3 Sun Gear Shaft or P3 Pinion Gears in Drive Units within the affected serial number range, service kit Part Number (P/N) 29577798 must be used to convert the unit back to non-isotropic finishing.

Transitioning from isotropic finishing to non-isotropic finishing does not impact product durability. The non-isotropic gears meet all validated durability and performance requirements.

Interchangeability

Current non-isotropic parts are not backwards compatible. Utilize service kit P/N 29577798 to convert to non-isotropic finishing.

Table 1. Former and Current P/Ns

Part	Quantity	Former P/N (Isotropic-Finished)	Current P/N (Non-Isotropic)
GEAR SET-PINION, EV DRIVE P3	1	29574688	29507806
SHAFT-GEAR, SUN, P3	1	29572864	29538701
P3 Sun Gear and Pinion Kit	1	29574646	29577798*

* Contains one P/N 29538701 and one P/N 29507806.

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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.

Current vs. Former Part Identification

There are no visual differences between the isotropic-finished and non-isotropic parts.

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