

Revisions to this document are noted
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SIL 07-1K2K-21, Rev. A
July 30, 2021
Page 1 of 2

SUBJECT: Elimination of the C1 Clutch Backfill Valve

MODELS AFFECTED: All 1000 Series™ and 2000 Series™ transmissions, Model Year 2010 and newer

SERIAL NUMBERS AFFECTED: Beginning with transmission serial number 6311943172 (Indianapolis) and 63XXXXXXX (Chennai).

Introduction:

Allison Transmission has eliminated the C1 clutch backfill valve bore and associated hardware from the front support.

Serviceability:

The former design of the front support assembly, part number 29546323, has been replaced with front support assembly part number 29564881.

The current design front support assembly is backwards compatible with MY10 design, but is not compatible with pre-MY10 design transmissions.



NOTE: All pre-MY10 Engineering Groups remain unchanged (MY2000 through MY2009) and are to be serviced with “Self” as detailed in the 1000 Series™ and 2000 Series™ Parts Catalog.

Former design C1 clutch backfill parts and front support remain available until stock is depleted.

Earlier vintage front support assemblies (MY2000-MY2009) remain unchanged, contain the same detail part numbers, and remain serviceable as of this publication.

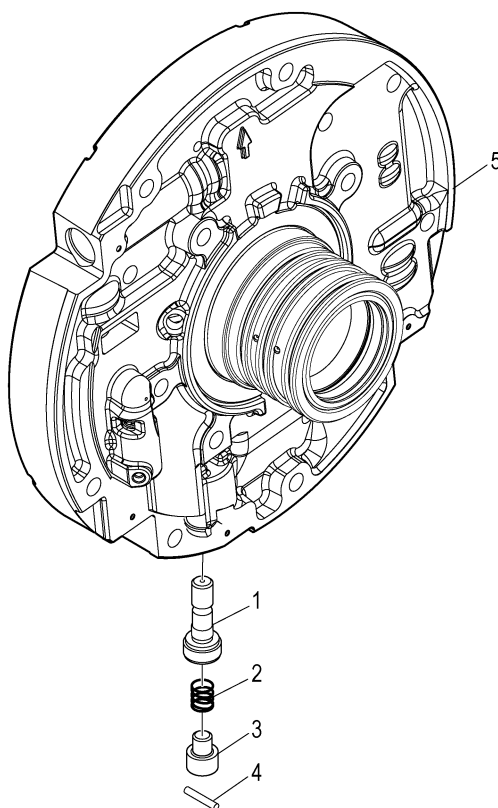


NOTE: Do not install the current design front support (without C1 backfill) in pre-MY10 designs as these combinations have not been validated with pre-MY10 software. Refer to [Table 1](#) for parts compatibility.

Table 1. Service Strategy of Front Support Assemblies

Model Year	Front Support & Ground Sleeve Assy.*	Front Support & Ground Sleeve with Bearing Assy.	Service With...	Engineering Group Numbers
MY2000-2004	29536680*	29536679	29536679	10-628,10-639, 10-640,10-640A, 10-641,10-643, 10-644,10-649
MY2005-2009	29542794*	29542793	29542793	10-651,10-652,10-656
MY2010	29546324*	29546323	29564881	10-657
MY2021	29564882*	29564881	29564881	10-674

*Serviced Only As An Assembly with bearing – Not Available As A Detail Part



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C1 Backfill Valve

- (1) – C1 backfill valve
P/N 29547601
- (2) – C1 backfill valve spring
P/N 29542713

- (3) – C1 backfill valve stop
P/N 29541562
- (4) – C1 backfill retainer pin
P/N 23049372

- (5) – Front Support Assembly
P/N 29549325

Figure 1. Front Support (MY2010)