SUBJECT: New Retarder Lever to Replace Two Previous Levers

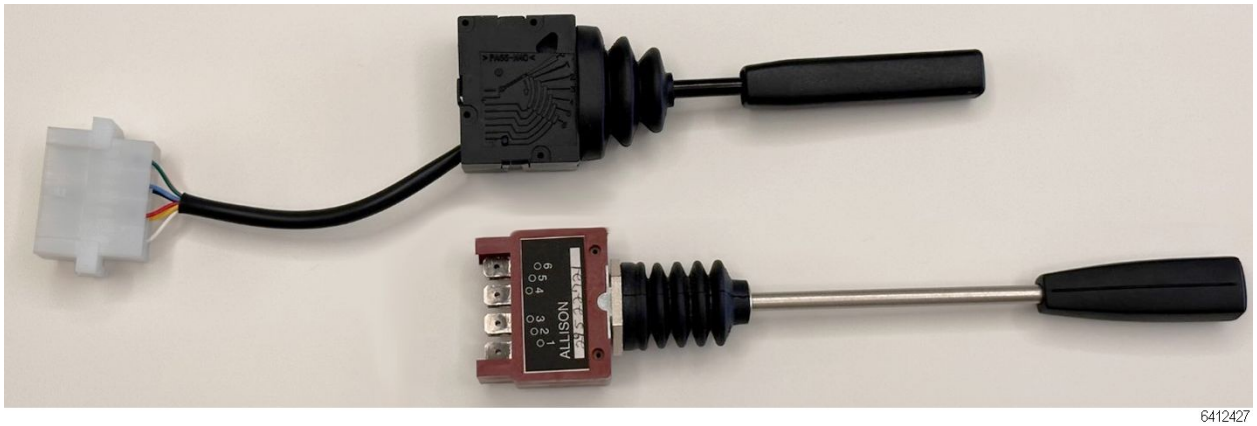
MODELS AFFECTED: 3000 Series™ and 4000 Series™ with Retarder

Introduction:

Allison Transmission, Inc. has released a new retarder lever (P/N 29570374) to replace the two former retarder levers. Previously, retarder levers were available in two lengths: 120 mm (4.72 in) and 200 mm (7.87 in) . Due to global supply constraints, a new retarder lever has been made available in place of the previous 120 mm (4.72 in) and 200 mm (7.87 in) levers. This current single replacement lever is 138 mm (5.43 in) in length and replaces both former levers, providing the same operational functionality.

Updated (Current) Design:

- Press fit lever to module assembly (refer to Figure 1 and Figure 2)
- Connector included in pigtail (same connector as previous levers)
- Mounting hole remains same as former
- Lever positions remain same as former



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Figure 1. Assembled View
Current P/N 29570374, Top; Former P/N 29522721, Bottom

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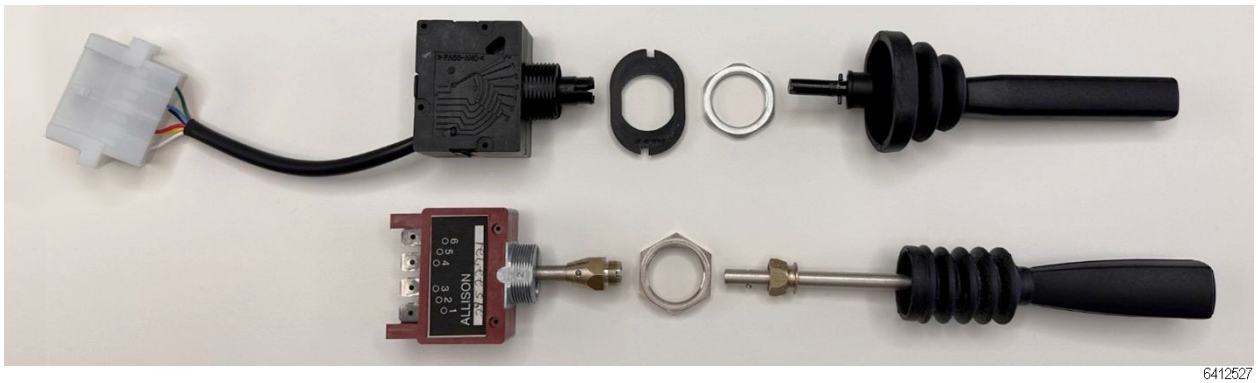


Figure 2. Exploded View
Current P/N 29570374, Top; Former P/N 29522721, Bottom



Figure 3. Connectors
(Current, Left; Former, Right)

Serviceability:

The former, 120 mm retarder lever (P/N 29521372) will remain available for service needs until stock is depleted. Once stock at Allison Parts Distribution Center (PDC) is exhausted, orders for P/N 29521372 will automatically be replaced with the current lever P/N 29570374.

The former, 200 mm retarder lever (P/N 29522721) is no longer available from Allison PDC as stock has been completely exhausted. Orders for P/N 29522721 will automatically be replaced with the current lever P/N 29570374.

The current, 138 mm lever (P/N 29570374) uses the same electrical connector and dash space claim as the two former levers. Similar to the former retarder control levers, there is some assembly required with the current lever.

For comprehensive serviceability breakdown and individual component part numbers, refer to Table 1.

Updated Part Numbers and Kit Part Numbers:

Refer to Tech Data TD-175 for more details.

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Table 1.

FORMER		CURRENT		
Part No.	**Description**	**Part No.**	**Description**	**Extended Description**
29522721	LEVER-CONTROL, RETARDER 200 MM	29570374	LEVER-CONTROL, RETARDER 138 MM	
29521372	LEVER-RETARDER CONTROL 120 MM	29570374	LEVER-CONTROL, RETARDER 138 MM	
29511313	RETARDER KIT 1 x 29522721 - LEVER-CONTROL, RETARDER, 200 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE	29570946	RETARDER KIT 1 x 29570374 - LEVER-CONTROL, RETARDER 138 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE	Auto Apply at Closed Throttle at Hand Lever Position" (incl Hand Lever + Hand Lever Resistance Module)
29511317	RETARDER KIT 1 x 29522721 - LEVER-CONTROL, RETARDER, 200 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE 1 x 29506471 - MODULE-CONTROLLER, RETARDER, RESISTANCE 1 x 29506478 - SWITCH-PRESSURE, NPTF, STRAIGHT	29570947	RETARDER KIT 1 x 29570374 - LEVER-CONTROL, RETARDER 138 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE 1 x 29506471 - MODULE-CONTROLLER, RETARDER, RESISTANCE 1 x 29506478 - SWITCH-PRESSURE, NPTF, STRAIGHT	Auto Apply at Hand Lever Position Plus Full-On with Brake Pressure" (incl Hand Lever + Hand Lever Resistance Module + 2psi press sw + One Pressure Switch Resistance Module)
29511318	RETARDER KIT 1 x 29522721 - LEVER-CONTROL, RETARDER, 200 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE 1 X 29506472 - MODULE-CONTROLLER, 3 STEP PEDAL RES	29570948	RETARDER KIT 1 x 29570374 - LEVER-CONTROL, RETARDER 138 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE 1 X 29506472 - MODULE-CONTROLLER, 3 STEP PEDAL RES	Auto Apply at Hand Lever Position Plus Interface for E10R/E15R Brake Pedal" (Incl Hand Lever, Hand Lever Resistance Module, Resistance Module for E10R or E15R Brake Pedal)
29529749	RETARDER KIT 1 x 29522721 - LEVER-CONTROL, RETARDER, 200 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE 1 x 29511306 - MODULE-SWITCH, 3S, SEAL 1 x 29506478 - SWITCH-PRESSURE, NPTF, STRAIGHT 1 x 29511307 - SWITCH-PRESSURE, NPTF, STRAIGHT 1 x 29511308 - SWITCH-PRESSURE, NPTF, STRAIGHT	29570949	RETARDER KIT 1 x 29570374 - LEVER-CONTROL, RETARDER 138 MM 1 x 29506474 - MODULE-LEVER, RETARDER, RESISTANCE 1 x 29511306 - MODULE-SWITCH, 3S, SEAL 1 x 29506478 - SWITCH-PRESSURE, NPTF, STRAIGHT 1 x 29511307 - SWITCH-PRESSURE, NPTF, STRAIGHT 1 x 29511308 - SWITCH-PRESSURE, NPTF, STRAIGHT	"Auto Apply at Hand Lever Position Plus Three-Step Apply with Brake Pressure" (Incl, Hand Lever, Hand Lever Resistance Module, 2psi/4psi/7psi pressure switches, Three Pressure Switch Resistance Module)

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