



Service Bulletin

Bulletin No.: PIP5700G

Date: January, 2026

PRELIMINARY INFORMATION

Subject: 8L45 8L90 Internal Wiring Harness Part Numbers By Application

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	ATS Models	2016 - 2019		All	All	All	M5N M5T M5U
Cadillac	CT4 Models	2020 - 2023		All	All	All	M5N
Cadillac	CT6	2016 - 2018		All	All	All	M5N M5X
Cadillac	CTS Models	2016 - 2019		All	All	All	M5N M5U
Cadillac	Escalade	2015 - 2017		All	All	All	M5U
Cadillac	Escalade ESV	2015-2017		All	All	All	M5U
Chevrolet	Camaro	2016 - 2023		All	All	All	M5T M5U
Chevrolet	Colorado	2017 - 2022		All	All	All	M5T
Chevrolet	Corvette	2015 - 2019		All	All	All	M5U
Chevrolet	Express	2017 - 2023		All	All	All	M5U
Chevrolet	Silverado 1500	2015 - 2018		All	All	All	M5U M5X
Chevrolet	Silverado 1500 New Model	2019		All	All	All	MQE
Chevrolet	Silverado 1500	2020 - 2023		All	All	All	MQE
GMC	Canyon	2017 - 2022		All	All	All	M5T
GMC	Savana	2017 - 2023		All	All	All	M5U
GMC	Sierra 1500	2015 - 2018		All	All	All	M5U M5X
GMC	Sierra 1500 New Model	2019		All	All	All	MQE
GMC	Sierra 1500	2020 - 2023		All	All	All	MQE
GMC	Yukon	2015 - 2017		All	All	All	M5U
GMC	Yukon XL	2015 - 2017		All	All	All	M5U

Involved Region or Country	North America
Condition	Some customers may comment on the operation or performance of the 8L45 or 8L90 transmission.
Cause	Diagnostics may lead to the replacement of the transmission internal wiring harnesses. At this time the part numbers for the 2 piece harness are not available in the Electronic Parts Catalog.

Correction

Please refer to following information to obtain the part numbers for the transmission internal harnesses by application.

Note: ESS refers to vehicles equipped with Start Stop and Non ESS refers to vehicles that are not equipped with Start Stop.

Note: One piece wiring harnesses are no longer available.

Please refer to the following GDS2 data to aid in determining if the vehicle you are working on has a 10 pin or a 4 pin internal mode switch.

Below is an example of the transmission data from a vehicle equipped with a 10 pin internal mode switch.

Data List: Transmission Data	
Parameter Name	Value
Internal Mode Switch	Drive
Internal Mode Switch A/D/C/P/S	Low High High Low Low
Internal Mode Switch A	1.96 V
Internal Mode Switch A Status	Valid
Internal Mode Switch B	0.82 V
Internal Mode Switch B Status	Valid
Internal Mode Switch C	0.80 V
Internal Mode Switch C Status	Valid
Internal Mode Switch P	1.82 V
Internal Mode Switch P Status	Valid
Internal Mode Switch S	1.94 V
Internal Mode Switch S Status	Valid

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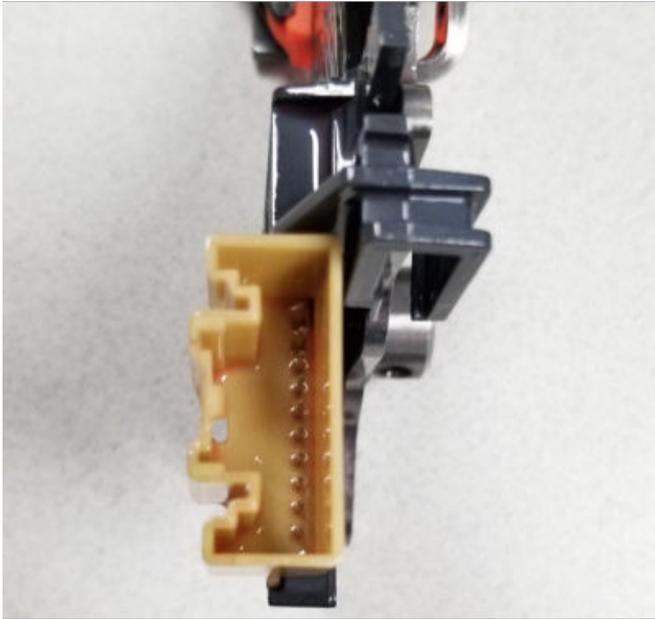
Below is an example of the transmission data from a vehicle equipped with a 4 pin internal mode switch.

Data List: Transmission Data	
Parameter Name	Value
Transmission Range Switch	Park
Transmission Range Sensor 2	86.1 %
Transmission Range Sensor 1	13.7 %

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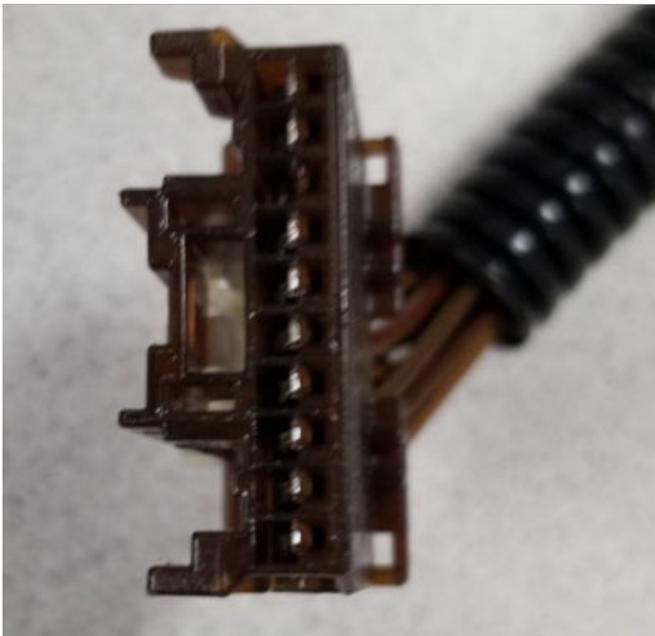
Please refer to the following pictures to aid in determining which internal mode switch is installed in the vehicle you are working on.

Example of a 10 pin internal mode switch.



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Example of a 10 pin internal harness connector.



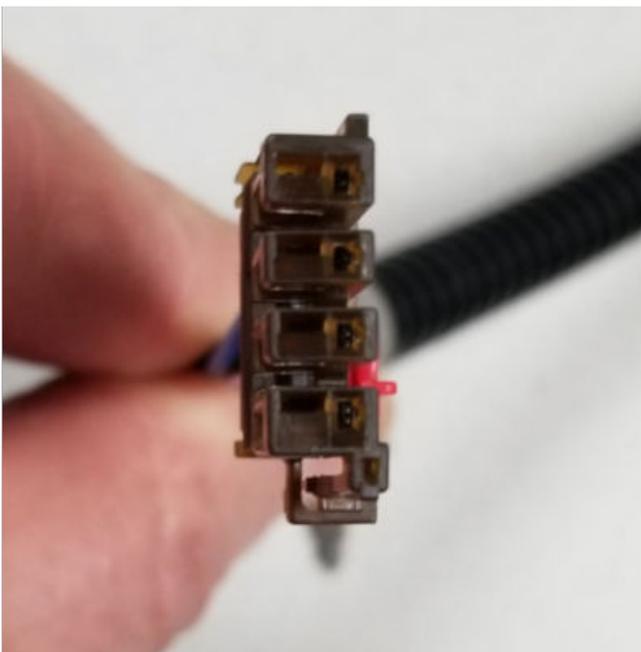
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Example of a 4 pin internal mode switch.



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Example of a 4 pin internal harness connector.



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Parts Information

Description	Part Number	Qty
Pass Thru Harness With 10 Pin IMS Non-ESS (Item #37)	24045609	1
Valve Body Harness With 10 Pin IMS Non-ESS (Item #313)	24046895	1
Pass Thru Harness With 10 Pin IMS With ESS (Item #37)	24298759	1
Valve Body Harness With 10 Pin IMS With ESS (Item #313)	24064375	1
Pass Thru Harness With 4 Pin IMS Non-ESS (Item #37)	24045609	1
Valve Body Harness With 4 Pin IMS Non-ESS (Item #313)	24046896	1
Pass Thru Harness With 4 Pin IMS With ESS (Item #37)	24045608	1
Valve Body Harness With 4 Pin IMS With ESS (Item #313)	24046896	1

Version	8
Modified	01/14/2020 - Created on. 01/17/2020 - Added description of ESS and Non ESS. 03/04/2020 - Added 2015-2017 GMC Yukon Denali. 05/04/2020 - Added information on how to use GDS2 data to aid in determining which internal mode switch the vehicle is equipped with. 01/14/2021 - Added the 2021 model year 11/27/2023-Updated part numbers 10/30/2025 - Updated Model years and added Item Numbers to the parts section 01/12/2026 - Updated Part Numbers

