



Preliminary Information

PIP5700C 8L45 8L90 Internal Wiring Harness Part Numbers By Application

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	ATS Models	2016 - 2019	All	All	All	M5N M5T M5U
Cadillac	CT4 Models	2020	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 Models	2015 - 2017	All	All	All	M5U
Chevrolet	Camaro	2016 - 2020	All	All	All	M5T M5U
Chevrolet	Colorado	2017 - 2020	All	All	All	M5T
Chevrolet	Corvette	2015 - 2019	All	All	All	M5U
Chevrolet	Express	2017 - 2020	All	All	All	M5U
Chevrolet	Silverado	2015 - 2018	All	All	All	M5U M5X
Chevrolet	Silverado 1500 Mew Model	2019	All	All	All	MQE
Chevrolet	Silverado 1500	2020	All	All	All	MQE
GMC	Canyon	2017 - 2020	All	All	All	M5T
GMC	Savana	2017 - 2020	All	All	All	M5U
GMC	Sierra	2015 - 2018	All	All	All	M5U M5X
GMC	Sierra 1500 New Model	2019	All	All	All	MQE
GMC	Sierra 1500	2020	All	All	All	MQE
GMC	Yukon Denali	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	<p>Diagnostics may lead to the replacement of the transmission internal wiring harnesses.</p> <p>At this time the part numbers for the 2 piece harness are not available in the Electronic Parts Catalog.</p>

Correction:

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

Note: ESS refers to a 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.

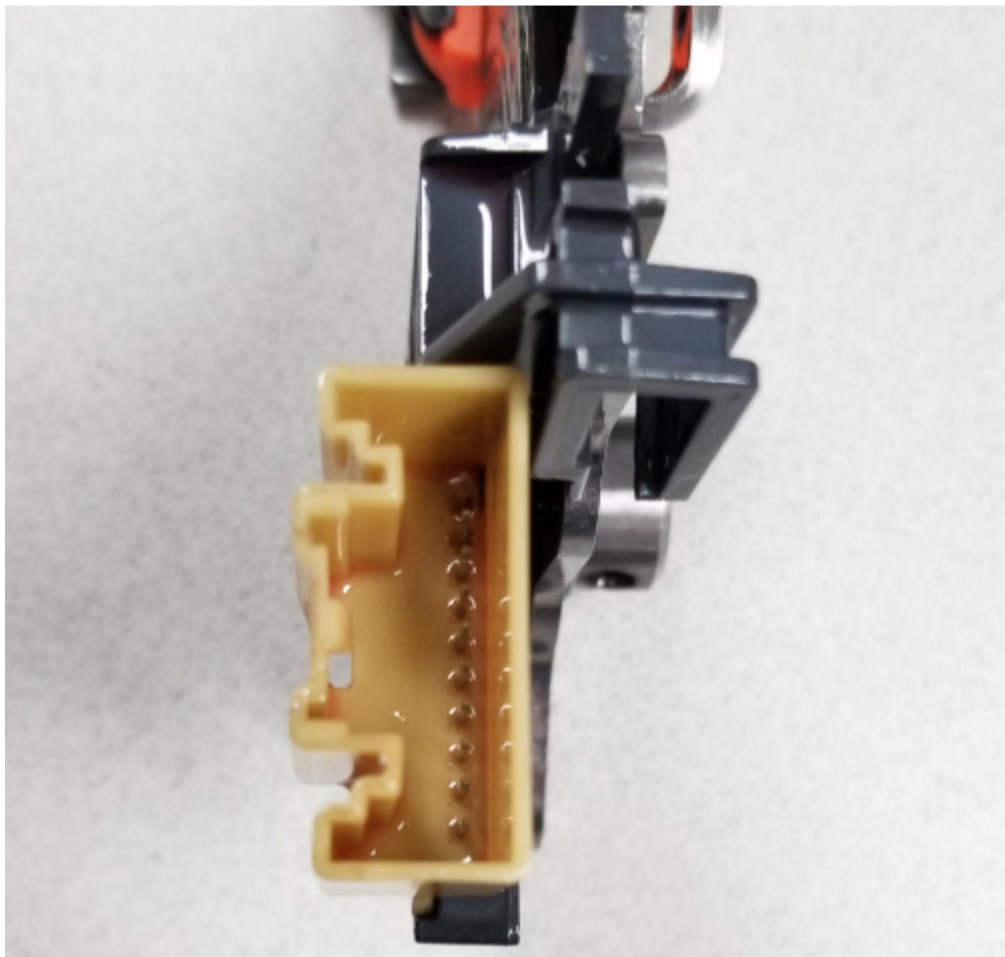
Data List: Transmission Data	
Parameter Name	Value
Internal Mode Switch	Drive
Internal Mode Switch A/B/C/P/S	Low High High Low Low
Internal Mode Switch A	1.96 V
Internal Mode Switch A Status	Valid
Internal Mode Switch B	0.82 V
Internal Mode Switch B Status	Valid
Internal Mode Switch C	0.80 V
Internal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

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

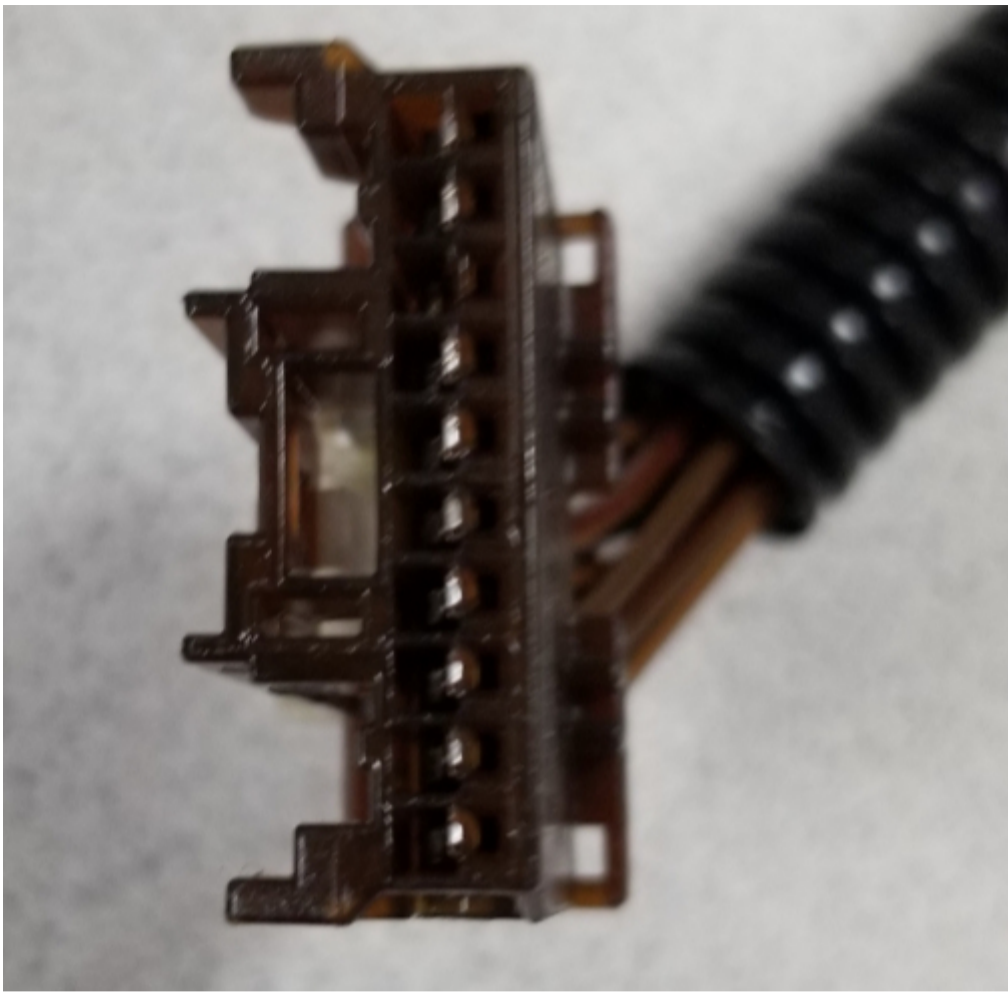
Data List: Transmission Data	
Parameter Name	Value
Transmission Range Switch	Park
Transmission Range Sensor 2	86.1 %
Transmission Range Sensor 1	13.7 %

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.



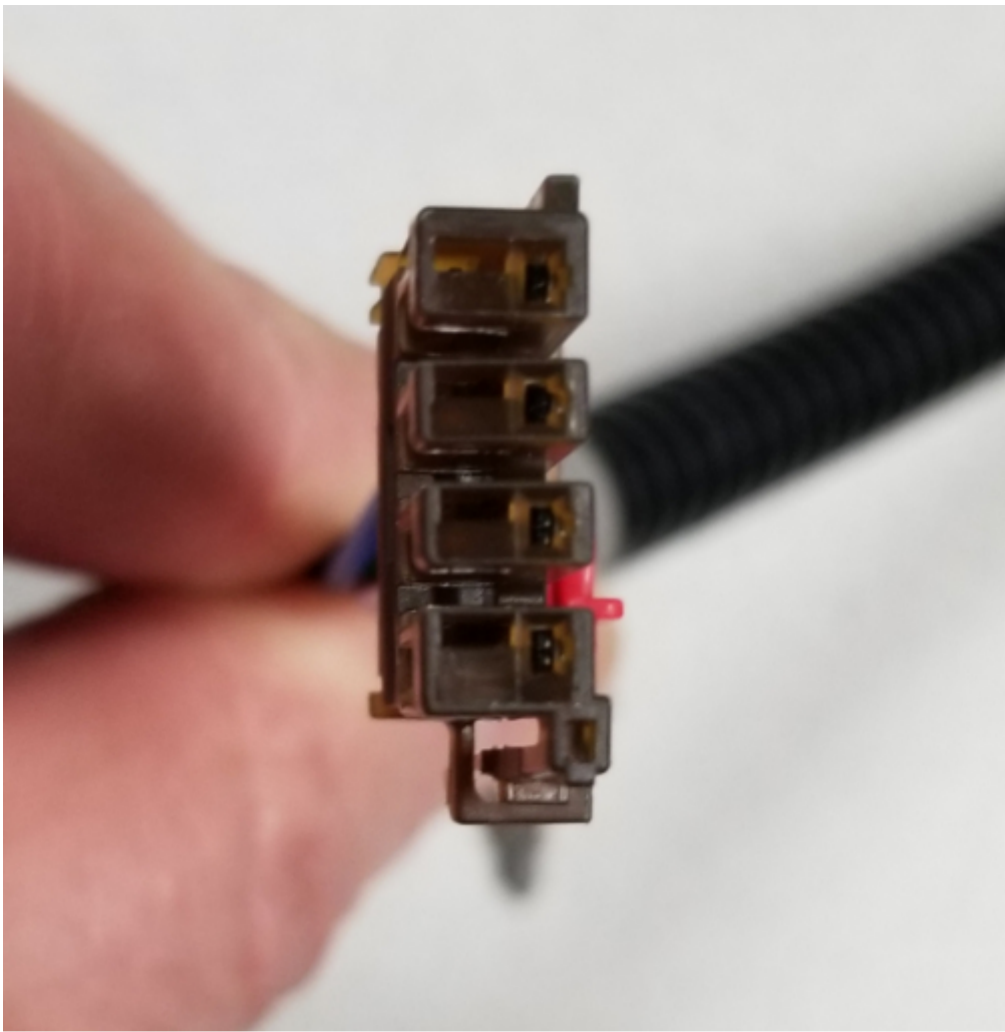
Example of a 10 pin internal harness connector.



Example of a 4 pin internal mode switch.



Example of a 4 pin internal harness connector.



Parts Information

Description	Part Number	QTY
Pass Thru Harness With 10 Pin IMS Non-ESS	24297371	1
Valve Body Harness With 10 Pin IMS Non-ESS	24298757	1
Pass Thru Harness With 10 or 4 Pin IMS With ESS	24298759	1
Valve Body Harness With 10 Pin IMS With ESS	24298757	1
Pass Thru Harness With 4 Pin IMS Non-ESS	24297371	1
Valve Body Harness With 4 Pin IMS Non-ESS	24298758	1
Pass Thru Harness With 4 Pin IMS With ESS	24297372 (24298759 may be used if 24297372 is not available)	1
Valve Body Harness With 4 Pin IMS With ESS	24298758	1

Additional SI Keywords

P0711, P0712, P0713,

Version History

Version	3
Modified	<p>01/14/2020 - Created on.</p> <p>01/17/2020 - Added description of ESS and Non ESS.</p> <p>03/04/2020 - Added 2015-2017 GMC Yukon Denali.</p> <p>05/04/2020 - Added information on how to use GDS2 data to aid in determining which internal mode switch the vehicle is equipped with.</p>



GENERAL MOTORS