



POWERTRAIN CONTROL SOLUTIONS
Engineering the future of driveline control.

GEAR SELECT MODULE BUYERS GUIDE

STEP 1 - Choose your preferred "Remote / Push Button Panel".

STEP 2 - Identify your necessary Main Kit, based on transmission and TCM.

STEP 3 - Identify your necessary Trans Bracket Kit, based on transmission.

STEP 4 - Add a Speed Interlock Kit, need based on transmission and TCM.



Providing instant shifting for drag cars and ample power for parking on steep hills, our billet aluminum Gear Select Module "GSM" is a must-have in any high performance resto-mod or performance vehicle! The GSM Push Button Shifter is an electronically controlled "range" selector which controls the shift-shaft on the side of your automatic transmission instantaneously and with ease. For many newer 5+ speed transmission the PRNDS / PRNDM positions for the GSM are programmed during installation, while earlier generations use PRND321 / PRND21 positions. Our Motor Box actuator is a compact and sealed assembly, giving the installer virtually unlimited mounting options for tight spaces and rough environments. For ease of installation, our transmission specific bracket kits take the guesswork out of ensuring the linkage geometry is optimal. Included in the instructions are step-by-step details on how to ensure the Brake Light Safety Interlock and Speed Safety Interlocks are implemented correctly, keeping the vehicle from jumping into an unsafe range / gear based on the vehicle's current status. All kits come with included wires and instructions for optional Neutral Safety and Reverse Light relay controls. For two, three, and four speed transmissions the GSM is able to plug-and-play with any PCS Paddle Shifters. Reverse Manual configurations not available, call and ask for details.

NOTE: Prices listed on the following sheets are "Direct from PCS". Contact your local dealer for the latest deals and support!

sales@powertraincontrol.com 804-227-3032 v 6.0 10511 Old Ridge Road, Ashland VA, 23005

STEP 1 - REMOTES / PUSH BUTTON PANELS

PCS P/N	Part Description	Retail
A-GSM2100	GSM Push Button Remote - Black, Rectangular	\$390.00
A-GSM2101	GSM Push Button Remote - Polished Rectangular	\$490.00
A-GSM2102	GSM Push Button Remote - Black, Vertical	\$440.00
A-GSM2103	GSM Push Button Remote - Black, Horizontal	\$440.00
A-GSM2104	GSM Push Button Remote - Polished, Vertical	\$540.00
A-GSM2105	GSM Push Button Remote - Polished, Horizontal	\$540.00

We sell six different remotes in vertical, horizontal, and rectangular shape configurations. Those three configurations all come in either black or polished aluminum finishes. Available on the last pages of the GSM installation manual are 1:1 printouts for people looking to modify console and dash spaces, as well as CAD Models on our website for each of the remotes. The remotes are not weatherproof and not designed for vehicles without enclosed cabins.

STEP 2 - MAIN KITS, MOTOR BOX AND HARNESS, PROGRAMMED

PCS P/N	Part Description	Retail
A-GSM9000	Main GSM Kit - Motor Box and Universal Harness, Programmed for "PCS CAN"	\$1,309.00
A-GSM9001	Main GSM Kit - Motor Box and Universal Harness, Programmed for "Hardwired"	\$1,309.00
A-GSM9002	Main GSM Kit - Motor Box and Universal Harn, Prog. for "CAN VSS & HDW BRK"	\$1,309.00
A-GSM9003	Main GSM Kit - Motor Box and Discrete Harness, Prog. for "Discrete Buttons"	\$1,309.00

As of June 2024 we have improved and updated our part number scheme, we are excited to present the following part number updates above for our Gear Select Module product line! This is a staple of our Performance Aftermarket series, with this new kitting layout we believe the update will enable us all to have improved inventory and lead times for the end users. We have removed the numerous GSM5xxx series kits, and replaced them with the four GSM9xxx series. The biggest difference with the GSM9xxx series is the removal of the remote from the kit, now including only the Motor Box and Harness. Additionally we have added the "CAN VSS / HDW Brake" calibration option for easier Plug-And-Play with modern GM transmissions. Between these two changes we are confident that our PCS Ashland facility and our dealers as a whole can more appropriately keep less overall inventory with still being able to ship immediately based on the client's configuration.

"PCS CAN" - For use with PCS TCM2000, TCM2300 "Simple Shift", and TCM2800 controllers.

Both the Brake Light Safety Interlock and Speed Safety Interlock are provided to the GSM over PCS CANBUS.

"Hardwired" - For use with non-PCS TCM's and older hydraulic transmissions.

Both the Brake Light Safety Interlock and Speed Safety Interlock are provided to the GSM via hardwired sensors.

"CAN VSS & HDW BRK" - For use with GM 5+ gear transmissions (6L, 8L, 10L, etc).

The Brake Light Safety Interlock is hardwired into +12v and the Speed Safety Interlock is provided over GMLAN CAN.

"Discrete" - For use where the customer is providing their own buttons for PRND, see notes below.

NOTE 1: Additional to the six remotes, we offer an option called "Discrete" which enables the installer to utilize their own four buttons for (P) (R) (N) (D). This version does not have (+) and (-) input options, and requires the use of the two Speed and Brake interlock inputs for those PRND buttons. The Brake Light Safety Interlock can be recovered by implementing a relay to cut off button power unless the brake lights are on, our GSM4020-R2 harnesses have this implemented. The Speed Safety Interlock can be recovered only if the user has a PCS Transmission controller or a GM 6L/8L/10L. If you are getting the Discrete kit option we recommend the GSM2100, the remote of choice does not matter since it will only be used for GSM setup and maintenance.

NOTE 2: The GSM push-pull cable has a total throw of 2.6" which the combined shift-shaft angle and shift-bracket length needs to take into account. Our transmission specific bracket kits take the guesswork out of ensuring the linkage geometry is correct.

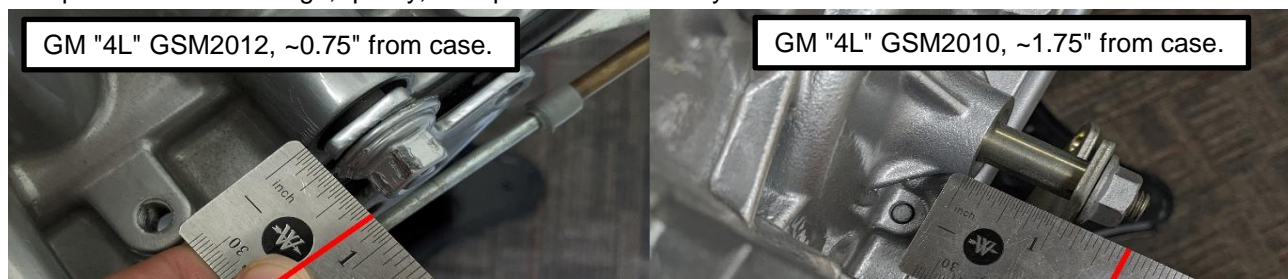
NOTE 3: The Motor Box is a compact and sealed assembly allowing for mounting in many locations; under the truck bed, in the trunk, below a seat, or under the vehicle. Exposure to the exhaust heat and direct powertrain vibration is not recommended.

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STEP 3 - TRANSMISSION BRACKET KITS

PCS P/N	Part Description	Retail
A-GSM2010	GSM Install Kit for GM 4L60/65/70/80/85 with PRNDL	\$55.00
A-GSM2011	GSM Install Kit for Ford AODE/4R70W	\$116.06
A-GSM2012	GM TH-200/250/350/400/700-R4, 4L60/65/70/80/85 w/o PRNDL and GM 6L80	\$68.12
A-GSM2013	GSM Install Kit for Ford 1965-1982 C-4	\$55.00
A-GSM2014	GSM Install Kit for GM 1962-1973 Powerglide	\$55.00
A-GSM2015	GSM Install Kit for Ford AOD	\$110.07
A-GSM2016	GSM Install Kit for Chrysler 1966+ 727 / 904 and AMC 1972+ Torque Command	\$55.00
A-GSM2017	GSM Install Kit for Ford C-6	\$55.00
A-GSM2019	GSM Install Kit for Ford 4R100/E4OD	\$117.75
A-GSM2021	GSM Install Kit for 8L90 Transmission	\$55.00

Please choose and include the bracket kit above that is associated with the transmission in the vehicle. Custom brackets are able to be made by the installer for different mounting angles or transmissions not listed above. PCS is not responsible for the design, quality, or implementation of any such custom brackets.



STEP 4 - SPEED INTERLOCK KITS

PCS P/N	Part Description	Retail
A-GSM2050	GM Speed Signal Generator	\$299.46
A-GSM2060	Ford Speed Signal Generator	\$294.70
A-GSM2080	GSM GM Speed Sensor Pass-Through Adapter	\$18.89

A critical safety feature to the GSM kit is the inability to change "Range" / "Gear" between (P) (R) (N) or (D) while the vehicle is still moving. To accomplish this on older transmissions we have a couple options based on the transmission type. If you are not using a PCS transmission controller (TCM2000, Simple Shift, or TCM2800) on the 4L GM 4L60E / 4L80E series with the two pin Output Shaft Speed Sensor, we sell the GSM2080 which is a plug-and-play Y-Splitter. For older GM hydraulic transmissions with Speedometer Cables coming out of the extension housings (up to the dash cluster) we sell the GSM2050 which is an inline speed signal generator, plugging right into the GSM Universal Harness (GSM4000). The same can be said for older Ford hydraulic transmissions with their respective Speedometer cables and GSM2060.

REPLACEMENT ASSEMBLIES / PARTS

PCS P/N	Part Description	Retail
A-GSM2000	GSM Cable Drive Enclosure	\$1,059.40
A-GSM4000	GSM Harness	\$249.89
A-GSM4020	GSM Harness - Discrete Shift Inputs	\$249.89
A-GSM4005	GSM Remote Connector Repair Kit	\$11.00
GSM0206	4000052-00 - Swivel, Cable	\$1.10