

Connector Part Information		12129225 24 Pin VCM Connector C4 (BLK)	
Pin	Wire Color	Circuit No.	Function
1	DK GRN/WHT	465	Fuel Pump Relay Control
2	—	—	Not Used
3	DK GRN/WHT	817	VSS Output Signal (TCCM, Radio, Cruise)
4	DK GRN	389	VSS Output Signal (Speedo)
5	BRN/WHT	419	MIL Control (Malfunction Indicator Lamp) - Check Engine
6	—	—	Not Used
7	GREEB	1614	HVAC Recirculation Door Control
8-9	—	—	Not Used
10	PPL	420	Brake Signal
11	PPL	1807	Serial Data
12	—	—	Not Used
13	BRN	441	Ignition Positive Voltage
14	—	—	Not Used
15	TAN/BLK	456	Upshift Indicator Control Empty with A/T
16	RED	1676	Ignition Positive Voltage
17	—	—	Not Used
18	PNK	439	Ignition Positive Voltage
19	BLK/WHT	1695	4WD Engaged Signal
20	WHT	257	EGR Valve Control
21	—	—	Not Used
22	BRN/WHT	379	CPP Switch Input Empty with A/T
23	GRY/BLK	1694	Transfer Case High/Low Switch Empty with 2WD
24	LT BLU/BLK	396	Cruise Engaged Signal Empty without Cruise Control

OBS= OLD BODY STYLE, OR 96-99. LS will refer to the new harness/pcm

Yellow highlight are wires in the OBS harness that will not be needed when marring to a LS harness.

Blue highlight are wires in the OBS harness that will need connected to the 03 LS PCM

PCMs fuel pump relay control. This wire will move to the LS PCM's Fuel Pump Relay Control pin

4k vss output

4k vss output The Obs pcm has two 4k outputs. The LS PCM has only 1. So tie these two wires together, and run to the LS PCM's 4000 pulse/mile VSS Pin.

PCMs check engine light control wire. PCM Supplies GROUND to turn on the light. Run this to LS PCM's Check Engine Light Control pin.

HVAC Recirculation Door Control. I think LS PCM has this control to the HVAC Recir Door

TCC Brake Switch signal, this will run to the LS PCM's TCC Brake Switch Signal pin.

----- This wire connects the PCM to the data bus. Run this to the OBD2 Port. You MIGHT need to run to a stand alone OBD2 port if communication issues with OBS ABS and PCM occure (trying to access one or the other with a scan tool)

LS harness has its own ignition power feed, remove this.

PCMs control for up shift light. I think the LS PCM has this control on manual applications

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LS harness has its own ignition power feed, remove this.

You can use this wire to activate the MAIN relay on the 4 fuse fuseblock added to the LS Harness. This powers up the LS harness.

Tell's the PCM when front axle is engaged. The LS PCM has this signal wire too, probably not needed in a swap

Clutch signal input, LS PCM also has this signal wire on manual applications

Low range signal, GROUND when in low range. LS PCM also has this signal wire, to let it know when to figure in transfer case gear ratio, 4x4 only of course.

----- Cruise Control Module sends signal to PCM letting it know cruise is engaged. The ONLY function is to tell the PCM to use an alternate shit table. This is NOT REQUIRED. LS PCM also uses this on the DBC engines, and the shift tables can be tuned differenty if so desired. DBW PCM Does not use this at all