

Fig. 14.5

CONTROL MODULE PIN OUT INFORMATION

PASSENGER SEAT CONTROL MODULE (ROW, MEMORY SEAT VEHICLES)

Pin	Description	Active	Inactive
0	P1-2P SEAT HEATER ON STATE	B+	GROUND
1	P1-3P IGNITION SWITCHED POWER	GROUND	B+
1	P1-4P MEMORY POSITION 1 REQUEST	B+	GROUND
1	P1-5P MEMORY POSITION 2 REQUEST	B+	GROUND
1	P1-6P MEMORY POSITION 3 REQUEST	B+	GROUND
1	P1-8P SEAT MEMORY STATUS STATE	GROUND	B+
1	P1-10P SEAT HEATER REQUEST	GROUND	B+
1	P1-15P KEY IN IGNITION SIGNAL	GROUND	B+
1	P1-16P MEMORY SET AUDIBLE TONE	GROUND	B+
1	P1-21P SET MEMORY POSITION REQUEST	GROUND	7.5 V
1	P1-22P PASSENGER DOOR ALARM	GROUND	
0	PL2-1P SERIAL COMMUNICATION INPUT		
0	PL2-2P SERIAL COMMUNICATION OUTPUT		
0	SM1-1P SOUJAB RECLINE FORE / AFT MOTOR	B+ (AFT)	GROUND
0	SM1-2P SOUJAB RECLINE AFT / FORE MOTOR	B+ (FORE)	GROUND
0	SM1-3P SEAT FRONT RAISE / LOWER MOTOR	B+ (DOWN)	GROUND
0	SM1-4P SEAT REAR RAISE / LOWER MOTOR	B+ (UP)	GROUND
0	SM1-6P SEAT REAR RAISE / LOWER MOTOR	B+ (DOWN)	GROUND
0	SM1-7P SEAT REAR RAISE / LOWER MOTOR	B+ (UP)	GROUND
0	SM1-8P SEAT FORE / AFT MOTOR	B+ (AFT)	GROUND
1	SM1-9P COMMON GROUND	B+ (FORE)	GROUND
0	SM1-10P HEATER ELEMENT SUPPLY	B+	GROUND
0	SM1-11P HEADREST RAISE / LOWER MOTOR	B+ (UP)	GROUND
0	SM1-12P HEADREST RAISE / LOWER MOTOR	B+ (DOWN)	GROUND
0	SM6-1P POTENTIOMETER COMMON REFERENCE VOLTAGE	5 V	
0	SM6-2P POTENTIOMETER COMMON REFERENCE GROUND	GROUND	
0	SM6-3P HEADREST FEEDBACK VOLTAGE	0.5 V (DOWN), 4 V (UP)	
0	SM6-4P SOUJAB RECLINE FEEDBACK VOLTAGE	0.5 V (BACK), 4 V (FORWARD)	
0	SM6-5P SEAT FORE / AFT FEEDBACK VOLTAGE	0.5 V (AFT), 4 V (FORE)	
0	SM6-6P SEAT REAR RAISE / LOWER FEEDBACK VOLTAGE	0.5 V (DOWN), 4 V (UP)	
0	SM6-7P RECLINE AFT MOVEMENT REQUEST	B+	
1	SM6-8P SEAT AFT MOVEMENT REQUEST	B+	
1	SM6-10P SEAT FORE MOVEMENT REQUEST	B+	
1	SM6-11P LUMBAR SWITCH POWER SUPPLY	B+	
1	SM6-14P HEADREST LOWER MOVEMENT REQUEST	B+	
1	SM6-15P HEADREST RAISE MOVEMENT REQUEST	B+	
1	SM6-16P SEAT REAR LOWER MOVEMENT REQUEST	B+	
1	SM6-17P SEAT REAR RAISE MOVEMENT REQUEST	B+	
1	SM6-18P SEAT FRONT LOWER MOVEMENT REQUEST	B+	
1	SM6-19P SEAT FRONT RAISE MOVEMENT REQUEST	B+	
1	SM6-20P RECLINE FORE MOVEMENT REQUEST	B+	

BODY PROCESSOR MODULE

Pin	Description	Active	Inactive
0	FC1-42 PASSENGER SEAT HEATER REQUEST	GROUND	B+
1	FC2-12 PASSENGER SEAT HEATER SWITCH	GROUND	B+

The following symbols are used to represent values for Control Module Pin Out data:

- I Input
- O Output
- SG Signal Ground
- D Serial and encoded communications
- B+ Battery voltage
- V Voltage (DC)
- Hz Frequency
- KHz Frequency x 1000
- MS Milliseconds
- MV Millivolts

CAUTION: The information on this data page is furnished to aid the user in understanding circuit operation. THIS INFORMATION SHOULD BE USED FOR REFERENCE ONLY.

NOTE: The values listed are approximately those that can be expected at the control module connector pins with all circuit connections made and all components connected and fitted. "Active" means a load is applied or a switch is ON; "Inactive" means a load is not applied or a switch is OFF.

COMPONENTS

Component	Connector / Type / Color	Location / Access
BODY PROCESSOR MODULE	FC1 / 48-WAY PCB SIGNAL / YELLOW FC2 / 48-WAY PCB SIGNAL / BLACK	PASSENGER'S UNDERSCUTTLE
CENTER CONSOLE SWITCH PACK	CC1 / 16-WAY MULTILOCK 060 / BLACK	CENTER CONSOLE
IGNITION SWITCH	FC4 (FLY LEAD) / 8-WAY MULTILOCK 070 / WHITE	STEERING COLUMN / COVER
DOOR SWITCH - PASSENGER	PD1 / 13-WAY ECNOSEAL III LC / BLUE	ARM REST / TOP ROLL
SEAT CONTROL MODULE - PASSENGER (ROW, MEMORY SEAT VEHICLES)	PL1 / 22-WAY MULTILOCK 47 / SLATE PL2 / 13-WAY MULTILOCK 070 / WHITE SM1-P / 13-WAY MULTILOCK 47 / WHITE SM1-F / 13-WAY MULTILOCK 070 / WHITE SM2-P / 3-WAY MULTILOCK 070 / YELLOW SM2-F / 3-WAY MULTILOCK 070 / YELLOW	DOOR CASING PASSENGER'S SEAT
SEAT CUSHION - PASSENGER	SM3-P / 6-WAY MULTILOCK 070 / WHITE SM3-F / 6-WAY MULTILOCK 070 / WHITE	PASSENGER'S SEAT / UNDER
SEAT LUMBAR PUMP - PASSENGER	SM4-P / 8-WAY MULTILOCK 070 / YELLOW SM4-F / 8-WAY MULTILOCK 070 / YELLOW	PASSENGER'S SEAT / UNDER
SEAT MOTORS - PASSENGER	SM5-P / 8-WAY MULTILOCK 070 / SLATE SM5-F / 8-WAY MULTILOCK 070 / SLATE SM6-P / 18-WAY MULTILOCK 060 / BLACK SM6-F / 3-WAY MULTILOCK 070 / SLATE	PASSENGER'S SEAT / UNDER PASSENGER'S SEAT

HARNES-TO-HARNES CONNECTORS

Connector	Type / Color	Location / Access
CA11	20-WAY MULTILOCK 060 / BLACK	PASSENGER'S UNDERSCUTTLE / ECM
CA12	18-WAY MULTILOCK 070 / WHITE	PASSENGER'S UNDERSCUTTLE / ECM
CA27	8-WAY MULTILOCK 070 / WHITE	PASSENGER'S SEAT / UNDER
CA28	26-WAY MULTILOCK 060 / BLACK	PASSENGER'S SEAT / UNDER
CC3	14-WAY MULTILOCK 070 / WHITE	CENTER CONSOLE / CENTER CONSOLE GLOVE BOX
CC4	THROUGH-PANEL 48 MICRO / 67 / BLACK	RH FASCIA END PANEL / OUTER AIR VENT
FC5	THROUGH-PANEL 48 MICRO / 67 / BLACK	PASSENGER'S UNDERSCUTTLE
FC7		

GROUND

Ground	Location / Type
CAG3R	LH A1 POST GROUND SCREW
CAG3R	RH HELMBOARD GROUND SCREW
CAG2R	RH HELMBOARD GROUND SCREW
CAG3L	LH HELMBOARD GROUND SCREW
CC501L	CENTER CONSOLE GROUND STUD
FC01B	LH CONSOLE GROUND STUD
FC03R	LH CONSOLE GROUND STUD
PLG3L	LH SEAT GROUND SCREW
PLG3R	LH SEAT GROUND SCREW

CONTROL MODULE PIN OUT INFORMATION (FOLD OUT PAGE)





