

Fig. 15.5

CONTROL MODULE PIN OUT INFORMATION

BODY PROCESSOR MODULE

Pin	Description	Active	Inactive
Q FC1-14	LH PILOT BEAM, SIDE LAMPS AND TAIL LAMPS ON	GROUND	B+
O FC1-16	REAR WINDOW RAISE	GROUND	B+
O FC1-24	INTERIOR AND COURTESY LAMPS	GROUND	B+
O FC1-29	LH DIPPED BEAM ON	GROUND	B+
O FC1-31	FRONT PASSENGER WINDOW RAISE	GROUND	B+
O FC1-33	STARTER RELAY INHIBIT	GROUND	B+
O FC1-35	LH MAIN BEAM ON	GROUND	B+
O FC1-38	SLIDING ROOF CLOSE	GROUND	B+
O FC1-37	DRIVER WINDOW RAISE	GROUND	B+
O FC1-39	RH DIPPED BEAM ON	GROUND	B+
O FC1-41	RH MAIN BEAM ON	GROUND	B+
I FC2-2	INTERIOR LAMPS ON	GROUND	B+
D FC2-5	SECURE STATUS INPUT FROM SECURITY AND LOCKING CONTROL MODULE	ENCODED COMMUNICATIONS	B+
I FC2-6	HEADLAMP CONVENIENCE	GROUND PULSE	B+
I FC2-26	SECURITY SYSTEM VISUAL WARNING	GROUND PULSE	B+
I FC2-28	REMOTE ALL CLOSE REQUEST	GROUND	B+

SECURITY AND LOCKING CONTROL MODULE

Pin	Description	Active	Inactive
I CA18-1	PASSENGER DOOR AJAR	GROUND	1.74 V
I CA18-4	PASSENGER DOOR LOCK STATUS	GROUND - LOCKED	1.74 V - UNLOCKED
I CA18-7	DRIVER DOOR AJAR	GROUND	7.9 V
I CA18-10	DRIVER DOOR LOCK STATUS	GROUND - LOCKED	1.74 V - UNLOCKED
I CA18-6	VALET SWITCH	MOMENTARY GROUND	2 V
I CA18-7	INCLINATION SENSOR VIOLATION	GROUND PULSE	1.3 V
I CA18-9	HOOD AJAR	GROUND	1.7 V
O CA18-12	MEMORY SEAT REMOTE INDICATOR	GROUND PULSE	B+
O CA18-13	HEADLAMP CONVENIENCE	GROUND PULSE	7.88 V
I CA18-19	CENTRAL LOCKING SWITCH ALL CLOSE REQUEST	GROUND	B+
I CA18-20	TRUNK LID AJAR	GROUND	7.9 V
I CA18-21	REAR PASSENGER DOOR AJAR	GROUND	7.9 V
I CA20-4	RH INTRUSION SENSOR (NOT NAS)	SIGNAL	GROUND
D CA20-5	RH INTRUSION SENSOR VOLTAGE FEED (NOT NAS)	8 V	GROUND
D CA20-8	SERIAL COMMUNICATION INPUT	GROUND	GROUND
I CA20-12	LH INTRUSION SENSOR (NOT NAS)	SIGNAL	GROUND
O CA20-13	LH INTRUSION SENSOR VOLTAGE FEED (NOT NAS)	8 V	GROUND
D CA20-16	SERIAL COMMUNICATION OUTPUT	GROUND	GROUND
O CA21-6	INCLINATION SENSOR GROUND	GROUND	GROUND
O CA21-8	MEMORY POSITION 2 REQUEST	B+ PULSE	GROUND
O CA21-9	VISUAL WARNING	GROUND PULSE	B+
D CA21-10	SECURE STATUS OUTPUT TO BODY PROCESSOR	ENCODED COMMUNICATIONS	GROUND
O CA21-13	SECURITY SOUNDER	5 V (480 - 1900 Hz)	GROUND
O CA21-19	SECURITY ACTIVE LED	9V PULSE	GROUND
D CA21-20	FUELING INHIBIT SIGNAL OUTPUT (NOT NAS)	ENCODED COMMUNICATIONS	GROUND
O CA21-21	MEMORY POSITION 1 REQUEST	B+ PULSE	GROUND
O CA21-22	ALL CLOSE REQUEST	GROUND	7.8 V
O CA21-23	INTERIOR LIGHTS ON	GROUND PULSE	7.8 V
O CA21-24	HORN	GROUND PULSE	B+
O CA21-26	SECURITY SOUNDER	5 V (480 - 1900 Hz)	GROUND

COMPONENTS

Component	Connector / Type / Color	Location / Access
BODY PROCESSOR MODULE	FC1 / 48-WAY PCB SIGNAL / YELLOW FC2 / 48-WAY PCB SIGNAL / BLACK FC3 / 6-WAY PCB SIGNAL / BLACK CC1 / 16-WAY MULTILOCK 040 / BLACK	PASSENGER'S UNDERSCUTTLE
CENTER CONSOLE SWITCH PACK	DD3 / 13-WAY ECONOSEAL III LC / BLACK	CENTER CONSOLE
DOOR LOCK ACTUATOR - DRIVER	PD3 / 13-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR LOCK ACTUATOR - PASSENGER	PD1 / 26-WAY MULTILOCK 47 / SLATE	DOOR CASING
DOOR SWITCH - PASSENGER	DD3 / 13-WAY ECONOSEAL III LC / BLACK	ARM REST / TOP ROLL
DOOR SWITCH - DRIVER	DD3 / 13-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR SWITCH - LH REAR	RD3-L / 6-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR SWITCH - PASSENGER	PD3 / 13-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR SWITCH - RH REAR	RD3-R / 6-WAY ECONOSEAL III LC / BLACK	DOOR CASING
HOOD SWITCH	RS17 / 2-WAY ECONOSEAL III LC / BLACK	ENGINE BAY, RH FRONT
INCLINATION SENSOR	IS1 / 6-WAY CS-25 / ORANGE	TRUNK, LH FRONT / TRUNK TRIM
INTRUSION SENSOR - LH	RF8 / 4-WAY MODU / BLACK	HEAD LINER, LH SIDE
INTRUSION SENSOR - RH	RF5 / 4-WAY MODU / BLACK	HEAD LINER, RH SIDE
SECURITY AND LOCKING CONTROL MODULE	CA18 / 32-WAY MULTILOCK 47 / SLATE CA19 / 22-WAY MULTILOCK 47 / SLATE CA20 / 16-WAY MULTILOCK 47 / SLATE CA21 / 28-WAY MULTILOCK 47 / SLATE CA26 / LUCAR / BLACK	TRUNK, LH FRONT / TRUNK TRIM TRUNK, LH FRONT / TRUNK TRIM
SECURITY ANTENNA	RS21 (FLY LEAD) / 6-WAY ECONOSEAL III LC / BLACK	BACKLIGHT
SECURITY SOUNDER	BT15 / 2-WAY FORD DIAGNOSTIC / BLACK	ENGINE BAY, RH FRONT
TRUNK SWITCH	CC47 / 2-WAY MULTILOCK 040 / BLACK	TRUNK LID / TRUNK LID TRIM
VALET SWITCH		CENTER CONSOLE GLOVE BOX

HARNESS-TO-HARNESS CONNECTORS

Connector	Type / Color	Location / Access
BT4	THROUGH-PANEL (48 MICRO / 6) / BLACK	ABOVE FUEL TANK / FUEL TANK TRIM
CA8	20-WAY MULTILOCK 040 / GREEN	DRIVER'S 'A' POST / 'A' POST TRIM
CA8	20-WAY MULTILOCK 040 / BLACK	DRIVER'S 'A' POST / 'A' POST TRIM
CA10	8-WAY MULTILOCK 070 / WHITE	DRIVER'S 'A' POST / 'A' POST TRIM
CA11	20-WAY MULTILOCK 040 / WHITE	PASSENGER'S UNDERSCUTTLE / ECM
CA12	14-WAY MULTILOCK 070 / WHITE	PASSENGER'S UNDERSCUTTLE / ECM
CA14	4-WAY MULTILOCK 070 / WHITE	LH 'BC' POST / 'BC' POST PANEL
CA16	4-WAY MULTILOCK 070 / WHITE	RH 'BC' POST / 'BC' POST PANEL
CA66	3-WAY MULTILOCK 070 / WHITE	TRUNK, LH FRONT / TRUNK TRIM
CA79	4-WAY MULTILOCK 070 / WHITE	LH 'BC' POST / 'BC' POST PANEL
CA80	4-WAY MULTILOCK 070 / WHITE	RH 'BC' POST / 'BC' POST PANEL
CC3	20-WAY MULTILOCK 070 / SLATE	CENTER CONSOLE / CENTER CONSOLE GLOVE BOX
CC5	20-WAY MULTILOCK 070 / WHITE	CENTER CONSOLE / CENTER CONSOLE GLOVE BOX
CC18	20-WAY MULTILOCK 070 / YELLOW	CENTER CONSOLE / CENTER CONSOLE GLOVE BOX
FC7	THROUGH-PANEL (48 MICRO / 6) / BLACK	PASSENGER'S UNDERSCUTTLE
FC16	20-WAY MULTILOCK 040 / BLACK	PASSENGER'S UNDERSCUTTLE
PI1	13-WAY ECONOSEAL III LC / WHITE	REARWARD OF RH HEADLAMP
PI83	20-WAY MULTILOCK 040 / BLACK	RH 'A' POST / 'A' POST TRIM
RF4	12-WAY MULTILOCK 040 / BLACK	ROOF CONSOLE
RS3	THROUGH-PANEL (48 MICRO / 6) / BROWN	RH 'A' POST / 'A' POST PANEL

GROUND

Ground	Location / Type
CAG30L	LH 'A' POST GROUND SCREW
CAG49	RH CONSOLE GROUND STUD
CAG91	PARCEL SHELF GROUND SCREW
CAG92L	RH HEELBOARD GROUND SCREW
CAG93R	LH HEELBOARD GROUND SCREW
CC55L	CENTER CONSOLE GROUND STUD
FCG15L	LH CONSOLE GROUND STUD
RS41L	RIGHT FORWARD GROUND STUD

CONTROL MODULE PIN OUT INFORMATION (FOLD OUT PAGE)



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.

REFER TO THE FRONT OF THE BOOK FOR ILLUSTRATIONS DETAILING THE LOCATION AND IDENTIFICATION OF COMPONENTS, RELAYS, CONNECTORS, HARNESSSES, GROUNDS, VEHICLE CONTROL MODULES AND CONTROL MODULE PINS.

