

## CONTROL MODULE PIN OUT INFORMATION

### SECURITY AND LOCKING CONTROL MODULE

Pin	Description	Active	Inactive
I CA18-2	EXTERNAL TRUNK LID SWITCH	GROUND	1.74 V
I CA18-3	NOT IN PARK MICROSWITCH	GROUND	B+
I CA18-4	PASSENGER DOOR LOCK STATUS	GROUND - LOCKED	1.74 V - UNLOCKED
I CA18-6	DRIVER DOOR LOCK BARREL UNLOCK / DISARM REQUEST	MOMENTARY GROUND	1.74 V
I CA18-10	DRIVER DOOR LOCK STATUS	GROUND - LOCKED	1.74 V - UNLOCKED
I CA18-12	DRIVER DOOR LOCK BARREL LOCK / ARM REQUEST	MOMENTARY GROUND	1.74 V
O CA19-1	FUEL FILLER FLAP LOCK REQUEST	GROUND PULSE	B+
I CA19-6	VALET SWITCH	MOMENTARY GROUND	2 V
I CA19-8	FASCIA TRUNK RELEASE SWITCH	MOMENTARY GROUND	2.7 V
I CA19-18	KEY IN IGNITION SWITCH	GROUND	9.5 V
I CA19-19	CENTRAL LOCKING SWITCH ALL CLOSE REQUEST	GROUND	B+
O CA19-22	DOOR UNLOCK RELAY	GROUND PULSE	B+
D CA20-8	SERIAL COMMUNICATION INPUT		
D CA20-16	SERIAL COMMUNICATION OUTPUT		
O CA21-2	DRIVER DOOR UNLOCK RELAY (TWO STAGE REMOTE UNLOCKING)	GROUND PULSE	B+
O CA21-5	VEHICLE SPEED INPUT	B+ @ 10 MPH = 20 Hz, 20 MPH = 40 Hz	
O CA21-11	TRUNK RELEASE RELAY	GROUND PULSE	B+
O CA21-15	DOOR LOCK RELAY	GROUND PULSE	B+

**Fig. 15.2**

## COMPONENTS

Component	Connector / Type / Color	Location / Access
CENTER CONSOLE SWITCH PACK	CC1 / 16-WAY MULTILOCK 040 / BLACK	CENTER CONSOLE
DOOR KEY BARREL SWITCH - DRIVER	DD3 / 13-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR LOCK ACTUATOR - DRIVER	DD3 / 13-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR LOCK ACTUATOR - LH REAR	RD3-L / 6-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR LOCK ACTUATOR - RH REAR	RD3 / 13-WAY ECONOSEAL III LC / BLACK	DOOR CASING
DOOR LOCK ACTUATOR - RH REAR	RD3-R / 6-WAY ECONOSEAL III LC / BLACK	DOOR CASING
FASCIA TRUNK RELEASE SWITCH	FC12 / 16-WAY MULTILOCK 040 / BLUE	STEERING COLUMN / DRIVER'S UNDERSCTTLE
FUEL FILLER FLAP ACTUATOR	CA88 / 2-WAY LABINAL / NATURAL	TRUNK, LF FRONT / TRUNK TRIM
IGNITION SWITCH	FC54 (FLY LEAD) / 8-WAY MULTILOCK 070 / WHITE	STEERING COLUMN / COVER
NOT IN-PARK MICROSWITCH	CC42 (FLY LEAD) / 2-WAY MULTILOCK 040 / BLACK	"I" GATE / CENTER CONSOLE
SECURITY AND LOCKING CONTROL MODULE	CA18 / 12-WAY MULTILOCK 47 / SLATE	TRUNK, LH FRONT / TRUNK TRIM
	CA19 / 22-WAY MULTILOCK 47 / SLATE	
	CA20 / 16-WAY MULTILOCK 47 / SLATE	
	CA21 / 26-WAY MULTILOCK 47 / SLATE	
TRUNK RELEASE ACTUATOR	BT8 / 2-WAY LABINAL / BROWN	TRUNK LID / TRUNK LID TRIM
TRUNK RELEASE SWITCH	BT10 / 2-WAY MULTILOCK 040 / GREEN	TRUNK LID / TRUNK LID TRIM
VALET SWITCH	CC47 / 2-WAY MULTILOCK 040 / BLACK	CENTER CONSOLE GLOVE BOX

## RELAYS

Relay	Color / Stripe	Connector / Color	Location / Access
DRIVER DOOR UNLOCK RELAY	VIOLET	CA7 / VIOLET	LH HEELBOARD
DOOR LOCK RELAY	VIOLET	CA50 / VIOLET	LH HEELBOARD
DOOR UNLOCK RELAY	VIOLET	CA50 / VIOLET	LH HEELBOARD
FUEL FILLER FLAP RELAY	VIOLET	CA97 / VIOLET	LH HEELBOARD
TRUNK RELEASE RELAY	BLACK / VIOLET	BT43 / VIOLET	TRUNK ELECTRICAL CARRIER

## 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
CA9	20-WAY MULTILOCK 040 / BLACK	DRIVER'S 'A' POST / 'A' POST TRIM
CA11	20-WAY MULTILOCK 040 / WHITE	PASSENGER'S UNDERSCTTLE / ECM
CA12	14-WAY MULTILOCK 070 / WHITE	PASSENGER'S UNDERSCTTLE / ECM
CA13	6-WAY MULTILOCK 070 / WHITE	LH 'BC' POST / 'BC' POST PANEL
CA14	4-WAY MULTILOCK 070 / WHITE	LH 'BC' POST / 'BC' POST PANEL
CA15	6-WAY MULTILOCK 070 / WHITE	RH 'BC' POST / 'BC' POST PANEL
CA16	4-WAY MULTILOCK 070 / WHITE	RH 'BC' POST / 'BC' POST PANEL
CC18	20-WAY MULTILOCK 070 / YELLOW	CENTER CONSOLE / CENTER CONSOLE GLOVE BOX
CC3	20-WAY MULTILOCK 070 / SLATE	CENTER CONSOLE / CENTER CONSOLE GLOVE BOX
CC5	20-WAY MULTILOCK 070 / WHITE	CENTER CONSOLE / CENTER CONSOLE GLOVE BOX
FC5	THROUGH-PANEL (48 MICRO / 6) / BLACK	LH FASCIA END PANEL / OUTER AIR VENT
FC7	THROUGH-PANEL (48 MICRO / 6) / BLACK	PASSENGER'S UNDERSCTTLE

## GROUND

Ground	Location / Type
BT649L	REAR TRUNK GROUND STUD
CAG91	PARCEL SHELF GROUND SCREW
CAG92R	RH HEELBOARD GROUND SCREW
CAG93L	LH HEELBOARD GROUND SCREW
CC691L	CENTER CONSOLE GROUND STUD
FC615L	LH CONSOLE GROUND STUD
FC626R	LH CONSOLE 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	B+	Battery voltage
O	Output	V	Voltage (DC)
SG	Signal Ground	Hz	Frequency
D	Serial and encoded communications	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.

