



VARIANT: Premium ICE Vehicles
 VIN RANGE: F20645 →
 DATE OF ISSUE: September 2000

CONTROL MODULE PIN OUT INFORMATION

INSTRUMENT PACK

Pin	Description	Active	Inactive
C	FC24-11 CAN NETWORK	15 – 1500 Hz	
C	FC24-24 CAN NETWORK	15 – 1500 Hz	
O	FC25-20 VEHICLE SPEED	22 Hz @ 10 MPH (16 KMH); 44 Hz @ 20 MPH (32 KMH) @ B+	

RADIO / CASSETTE HEAD UNIT

Pin	Description	Active	Inactive
I	IC11-1 VEHICLE SPEED	22 Hz @ 10 MPH (16 KMH); 44 Hz @ 20 MPH (32 KMH) @ B+	
I	IC11-2 STEERING WHEEL AUDIO CONTROLS	0 V = MODE, 1.2 V = SEEK, 2.4 V = VOLUME '+', 3.7 V = VOLUME '-'	5V
O	IC11-18 ANTENNA UP	B+	GROUND

NOTE: Refer to the Appendix at the rear of this book for CAN and SCP Network messages.

Fig. 16.2

COMPONENTS

Component	Connector / Type / Color	Location / Access
ANTENNA MOTOR	BT19 / 6-WAY YAZAKI TYPE C / WHITE	ANTENNA MOTOR ASSEMBLY / BATTERY COVER
CD AUTO-CHANGER	CD AUTOCHANGER DATA CABLE	TRUNK LH SIDE / TRUNK CARPET
INSTRUMENT PACK	FC24 / 26-WAY AMP MICRO QUAD LOCK / BLACK FC25 / 26-WAY AMP MICRO QUAD LOCK / YELLOW	FASCIA
POWER AMPLIFIER	IC5 / 8-WAY ALPINE / BLACK IC21 / CD AUTOCHANGER DATA CABLE IC30 / 12-WAY MULTILOCK 070 / WHITE IC31 / 18-WAY MULTILOCK 070 / WHITE	TRUNK LH SIDE / TRUNK CARPET
RADIO / CASSETTE HEAD UNIT	CA3 / COAXIAL CONNECTOR IC10 / 20-WAY MULTILOCK 070 / WHITE IC11 / 26-WAY AMP MICRO QUAD LOCK / YELLOW IC19 / 8-WAY ALPINE / BLACK	CENTER CONSOLE
RADIO ANTENNA	CA7 / COAXIAL CONNECTOR	ANTENNA MOTOR ASSEMBLY / BATTERY COVER
RADIO CONTROL SWITCHES (STEERING WHEEL)	SW4 / 3-WAY EPC / BLACK	STEERING WHEEL
RADIO TELEPHONE CONNECTOR	RT2 / 10-WAY MULTILOCK 070 / WHITE	BELOW CENTER CONSOLE GLOVE BOX
SPEAKER, 'A' POST TWEETER – LH	CA56 / 2-WAY MULTILOCK 040 / BLACK	LH 'A' POST / UPPER 'A' POST TRIM
SPEAKER, 'A' POST TWEETER – RH	CA54 / 2-WAY MULTILOCK 040 / BLACK	RH 'A' POST / UPPER 'A' POST TRIM
SPEAKER, REAR DOOR MID-BASS – DRIVER SIDE	RD6 / 2-WAY GROTE & HARTMAN MDK / BLACK	DOOR CASING / TRIM PANEL
SPEAKER, REAR DOOR MID-BASS – PASSENGER SIDE	RP6 / 2-WAY GROTE & HARTMAN MDK / BLACK	DOOR CASING / TRIM PANEL
SPEAKER, REAR DOOR TWEETER – DRIVER SIDE	RD5 / 2-WAY GROTE & HARTMAN MDK / BLACK	DOOR CASING / TRIM PANEL
SPEAKER, REAR DOOR TWEETER – PASSENGER SIDE	RP5 / 2-WAY GROTE & HARTMAN MDK / BLACK	DOOR CASING / TRIM PANEL
SPEAKER, FRONT DOOR MID-BASS – DRIVER SIDE	DD6 / 2-WAY GROTE & HARTMAN MDK / BLACK	DOOR CASING / TRIM PANEL
SPEAKER, FRONT DOOR MID-BASS – PASSENGER SIDE	PD6 / 2-WAY GROTE & HARTMAN MDK / BLACK	DOOR CASING / TRIM PANEL
SUBWOOFER	BT52 / 2-WAY GROTE & HARTMAN MDK / BLACK BT53 / 2-WAY GROTE & HARTMAN MDK / BLACK	ABOVE FUEL TANK / TRUNK CARPET

HARNESSTO-HARNESSTO CONNECTORS

Connector	Type / Color	Location / Access
BT4	54-WAY THROUGH PANEL / GREY	BELOW PARCEL SHELF / TRUNK / REAR BULKHEAD / RH SIDE
CA10	8-WAY MULTILOCK 070 / YELLOW	DRIVER 'A' POST / DOOR HARNESS GAITER
CA12	8-WAY MULTILOCK 070 / YELLOW	PASSENGER 'A' POST / DOOR HARNESS GAITER
CA14	6-WAY MULTILOCK 070 / WHITE	DRIVER 'B/C' POST / DOOR HARNESS GAITER
CA16	6-WAY MULTILOCK 070 / WHITE	PASSENGER 'B/C' POST / DOOR HARNESS GAITER
FC5	54-WAY THROUGH PANEL CONNECTOR / GREY	BELOW DRIVER SIDE AIR VENT / COIN TRAY
IC1	14-WAY MULTILOCK 070 / WHITE	LH HEELBOARD
IC3	12-WAY MULTILOCK 070 / WHITE	LH HEELBOARD
SC3	12-WAY MULTILOCK 070 / GREY	ADJACENT TO STEERING COLUMN MOTOR

GROUNDS

Ground	Location / Type
BT22R	EYELET (PAIR) – TRUNK / RH CENTER GROUND STUD
BT28L	EYELET (PAIR) – TRUNK / RH CENTER GROUND STUD
FC17R	EYELET (PAIR) – EMS BULKHEAD GROUND STUD
IC8	EYELET (SINGLE) – RADIO GROUND STUD / REARWARD OF GEAR SELECTOR ASSEMBLY
IC20	EYELET (SINGLE) – TRUNK / LH FORWARD GROUND STUD

FOR CONTROL MODULE PIN OUT INFORMATION, UNFOLD PAGE TO LEFT.

The following abbreviations are used to represent values for Control Module Pin-Out data

I	Input	SG	Sensor Ground	S	SCP Network	V	Voltage (DC)
O	Output	A	ACP Network	D	Serial and Encoded Data	Hz	Frequency
SS	Sensor Supply V	C	CAN (Network)	B+	Battery Voltage	kHz	Frequency x 1000

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 this book for detailed information and illustrations regarding the location and identification of harnesses, relays, grounds, control modules and control module pins.