

FIG 13

INSTRUMENTATION: HAZARD AND FAULT DISPLAY [VCM]

COMPONENTS

DESCRIPTION

BRAKE FLUID LEVEL SENSOR
 CENTRAL MICROPROCESSOR
 DOOR SWITCH
 INSTRUMENT PACK
 LOW COOLANT SENSOR
 PARK BRAKE SWITCH
 POWER HYDRAULIC FLUID LEVEL
 TRUNK SWITCH
 WASHER FLUID LEVEL SENSOR

LOCATION

MASTER CYLINDER RESERVOIR
 BEHIND GLOVE BOX
 DOOR LATCH
 DRIVER SIDE DASH
 RADIATOR HEADER TANK
 PARK BRAKE LEVER
 HSMO RESERVOIR
 TRUNK LID LATCH
 WASHER FLUID BOTTLE

ACCESS

ENGINE COMPARTMENT, LEFT
 UNDER DASH PANEL, RIGHT
 DOOR TRIM LOWER PANEL
 DASH UNDER PANEL, LEFT
 ENGINE COMPARTMENT, LEFT
 UNDER DRIVER SEAT
 ENGINE COMPARTMENT, RIGHT FRONT
 TRUNK LID REAR PANEL
 RIGHT VALANCE UNDER PANEL

CONNECTORS

CODE

DD9 6-WAY PM4 (BLACK)
 FA1 3-WAY PLUG (BLACK)
 LA1 3-WAY PLUG (BLACK)
 LB14 36-WAY PMHD (YELLOW)
 LB31 2-WAY PMHD (YELLOW)
 LB52 15-WAY PMHD (BLUE)
 LB53 24-WAY PMHD (YELLOW)
 LB54 36-WAY PMHD (BLACK)
 LB61 36-WAY PMHD (BLACK)
 LS1 36-WAY PMHD (BLACK)
 LS2 15-WAY PMHD (YELLOW)
 LS8 6-WAY PMHD (YELLOW)
 LS13 3-WAY ECONOSEAL (BLACK)
 LS22 3-WAY PM4 (YELLOW)
 LS24 3-WAY PM4 (BLACK)
 LS25 3-WAY PM4 (BLACK)
 PD2 6-WAY PM4 (BLACK)
 RA2 3-WAY PLUG (BLACK)
 RD2 6-WAY PM4 (BLUE)
 RS7 9-WAY PM4 (YELLOW)
 RS11 2-WAY PM4 (GREEN)
 RS18 2-WAY PM4 (BLACK)
 RS20 2-WAY PM4 (BLACK)
 RS22 36-WAY PMHD (BLACK)
 RS24 24-WAY PMHD (YELLOW)
 RS32 6-WAY PMHD (YELLOW)
 RS25 8-WAY PM4 (BLACK)
 RS59 2-WAY ITT SOCKET (BLACK)

LOCATION / INTERFACE

DOOR, INNER / DOOR LATCH SWITCH
 FRONT BRAKE CALIPER / BRAKE PAD
 REAR BRAKE CALIPER / BRAKE PAD
 RIGHT DASH UNDER PANEL / CPU
 CONSOLE LEFT CARPET / PARK BRAKE SWITCH
 LEFT DASH UNDER PANEL / INSTRUMENT PACK
 LEFT DASH UNDER PANEL / INSTRUMENT PACK
 LEFT DASH UNDER PANEL / INSTRUMENT PACK
 INSIDE LEFT 'A' POST / DD HARNESS
 LEFT 'A' POST, UNDER DASH PANEL / LB HARNESS
 LEFT 'A' POST, UNDER DASH PANEL / LB HARNESS
 LEFT 'B/C' POST LINER / RD HARNESS
 TRUNK BULKHEAD TRIM PANEL / LA HARNESS
 ENGINE COMPARTMENT / BRAKE FLUID SENSOR
 ENGINE COMPARTMENT / COOLANT LEVEL SENSOR
 ENGINE COMPARTMENT, LF INNER FENDER / FA HARNESS
 DOOR, INNER / DOOR LATCH SWITCH
 REAR BRAKE CALIPER / BRAKE PAD
 DOOR, INNER / DOOR LATCH SWITCH
 ENGINE COMPARTMENT, ABOVE IGNITION COIL / LI HARNESS
 BEHIND RIGHT FRONT VALANCE / WASHER FLUID LEVEL SENSOR
 HSMO RESERVOIR / FLUID LEVEL SENSOR
 ENGINE COMPARTMENT, RF INNER FENDER / FA HARNESS
 RIGHT 'A' POST, UNDER DASH PANEL / LB HARNESS
 RIGHT 'A' POST, UNDER DASH PANEL / LB HARNESS
 RIGHT LOWER 'B/C' POST TRIM / RD HARNESS
 TRUNK BULKHEAD TRIM / RA HARNESS
 TRUNK LID INNER PANEL / TRUNK WARNING SWITCH

INPUTS / OUTPUTS

CENTRAL MICROPROCESSOR

CODE IN / OUT CIRCUIT
 LB14-2 OUT TURN SIGNAL BULB FAIL
 LB14-3 OUT VCM SEAT BELT WARNING

ACTIVE
 12V
 GROUND

INACTIVE
 GROUND
 12V

INSTRUMENT PACK

CODE IN / OUT CIRCUIT
 LB52-3 IN RIGHT TURN SIGNAL INDICATOR
 LB53-9 IN FUEL FLOW AND FAIL CODE
 LB53-10 IN CHECK ENGINE FAIL SIGNAL
 LB53-12 IN IGNITION SWITCHED POWER
 LB53-19 IN FUSE FAIL 3 INPUT
 LB53-22 IN ANTI-LOCK FAILURE
 LB54-1 IN BRAKE BOOST PRESSURE SWITCH
 LB54-2 OUT BRAKE PAD FEED
 LB54-3 IN BRAKE PAD FAIL SENSOR
 LB54-4 IN POWER FLUID LEVEL SENSOR
 LB54-5 IN FUSE FAIL 1 INPUT
 LB54-6 IN FUSE FAIL 2 INPUT
 LB54-8 IN TURN SIGNAL BULB FAIL
 LB54-9 IN PARK BRAKE SWITCH
 LB54-14 IN DRIVER DOOR OPEN
 LB54-15 IN PASSENGER DOOR OPEN
 LB54-16 IN LEFT REAR DOOR OPEN
 LB54-17 IN RIGHT REAR DOOR OPEN
 LB54-18 IN TRUNK OPEN
 LB54-21 IN COOLANT LEVEL SENSOR
 LB54-22 IN WASHER FLUID LEVEL SENSOR
 LB54-23 IN BRAKE FLUID LEVEL LOW
 LB54-24 NOT USED
 LB54-32 IN GENERAL BULB FAILURE

ACTIVE
 GROUND
 PULSED SIGNAL
 GROUND
 12V
 FAIL: GROUND
 GROUND
 12V
 12V
 FAIL: 0V


INACTIVE
 5V
 0V
 12V
 0V
 PASS: 8V
 12V
 GROUND
 12V
 PASS: 12V
 FAIL: GROUND
 FAIL: GROUND
 12V
 BRAKE ON: 12V
 GROUND
 GROUND
 GROUND
 GROUND
 12V
 12V
 GROUND
 GROUND
 GROUND

FAIL: GROUND

PASS: 12V

 BATTERY POWER

 IGNITION POWER

 IGNITION SWITCHED GROUND

 LOGIC GROUND

 FIG NUMBER REFERENCE

