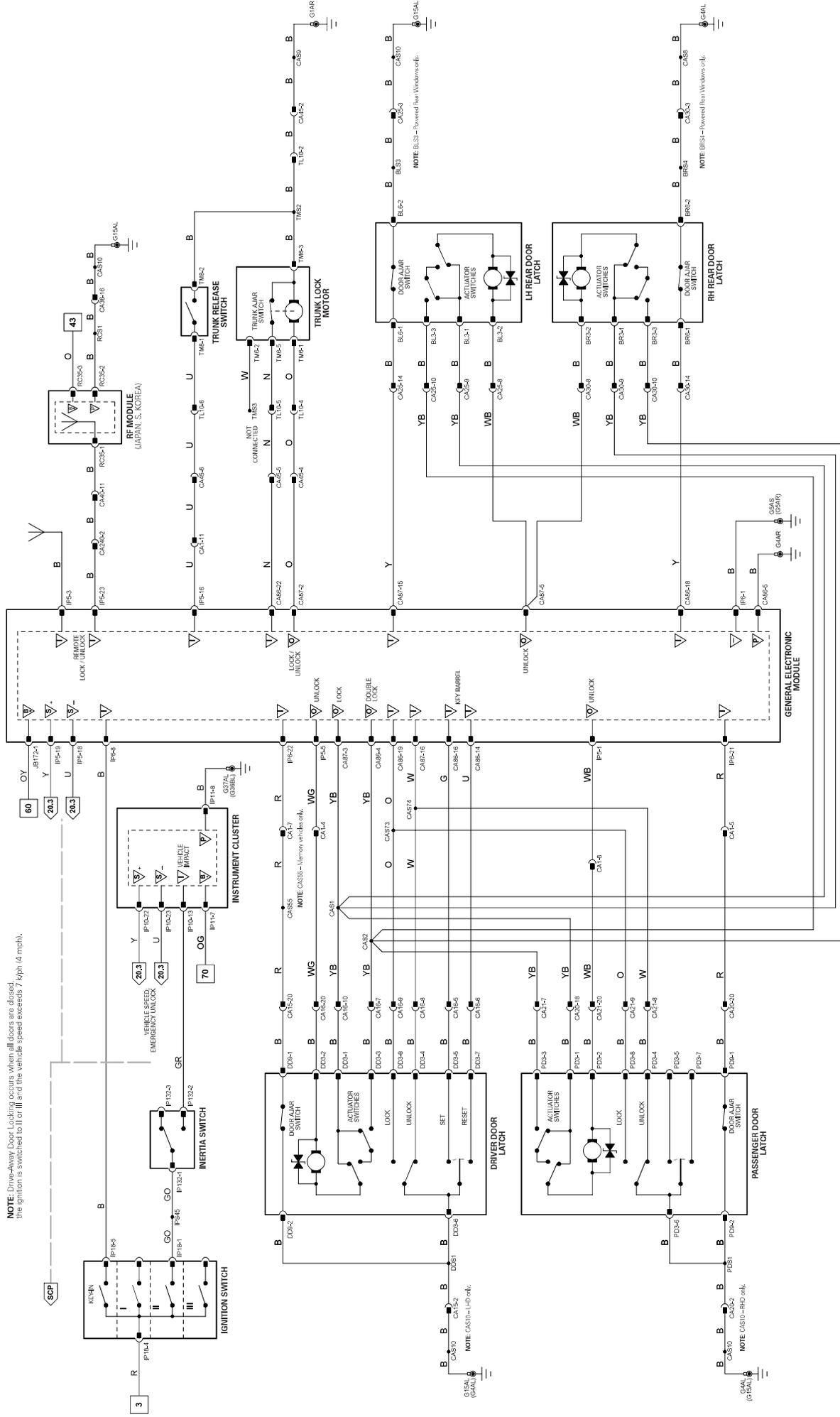




NOTE: Drive-Away Door Locking occurs when all doors are closed, the ignition is switched to II or III and the vehicle speed exceeds 7 kph (4 mph).



| | | | | | | | | | | | | | | |
|---|----|-----------|----|----|-----------|----|----|-----------|----|----|-----------|-----|-----|-----------|
| 1 | 8 | Fig. 01.1 | 34 | 79 | Fig. 01.3 | 11 | 11 | Fig. 01.5 | 66 | 66 | Fig. 01.7 | 98 | 98 | Fig. 01.9 |
| 2 | 9 | Fig. 01.2 | 35 | 80 | Fig. 01.4 | 12 | 12 | Fig. 01.6 | 67 | 67 | Fig. 01.8 | 99 | 99 | |
| 3 | 10 | Fig. 01.3 | 36 | 81 | Fig. 01.5 | 13 | 13 | Fig. 01.7 | 68 | 68 | Fig. 01.9 | 100 | 100 | |
| 4 | 11 | Fig. 01.4 | 37 | 82 | Fig. 01.6 | 14 | 14 | Fig. 01.8 | 69 | 69 | | 101 | 101 | |
| 5 | 12 | Fig. 01.5 | 38 | 83 | Fig. 01.7 | 15 | 15 | Fig. 01.9 | 70 | 70 | | 102 | 102 | |
| 6 | 13 | Fig. 01.6 | 39 | 84 | Fig. 01.8 | 16 | 16 | | 71 | 71 | | 103 | 103 | |
| 7 | 14 | Fig. 01.7 | 40 | 85 | Fig. 01.9 | 17 | 17 | | 72 | 72 | | 104 | 104 | |

VARIANT: Double Locking Sedan Vehicles
 VIN RANGE: All
 DATE OF ISSUE: August 2003

UNLOCK Sensor/Signal Supply V
 LOCK/UNLOCK Sensor/Signal Ground

Battery Voltage
 Power Ground

Input
 Output

CAN D2B Network
 SCP Serial and Encoded Data

CONTROL MODULE PIN-OUT INFORMATION

Fig. 12.2

General Electronic Module

| Pin | Description and Characteristic |
|-----|--|
| PG | POWER GROUND |
| CG | RESET SWITCH - OPEN CIRCUIT - GROUND |
| CG | SET SWITCH - OPEN CIRCUIT - GROUND |
| CG | LOCK SWITCH - OPEN CIRCUIT - GROUND |
| CG | LOCK SWITCH - OPEN CIRCUIT - GROUND |
| CG | TRUNK LID ALARM - TAIL GATE ALARM - OPEN - OPEN CIRCUIT - CLOSED - GROUND |
| CG | TRUNK / TAIL GATE LOCK MOTOR DRIVE - LOCK - TO ACTIVATE, GEM SWITCHES CIRCUIT TO B+ |
| CG | CENTRAL LOCKING REAR MOTORS DRIVE - LOCK - TO ACTIVATE, GEM SWITCHES CIRCUIT TO B+ |
| CG | CENTRAL LOCKING REAR MOTORS DRIVE - UNLOCK - TO ACTIVATE, GEM SWITCHES CIRCUIT TO B+ |
| CG | LH REAR DOOR ALARM - DOOR OPEN = OPEN CIRCUIT; DOOR CLOSED = GROUND |
| CG | PASSENGER DOORS LOCK MOTOR DRIVE - UNLOCK - TO ACTIVATE, GEM SWITCHES CIRCUIT TO B+ |
| CG | REAR TRUNK LID RELEASE SWITCH - GROUND WHEN SELECTED |
| CG | TRUNK / TAIL GATE RELEASE SWITCH - GROUND WHEN SELECTED |
| CG | SCP - |
| CG | SCP - |
| CG | REMOTE RF SIGNAL |
| CG | LOCK - GROUND - GROUND |
| CG | KEY IN POSITION SWITCH - B+ WHEN KEY IN |
| CG | PASSENGER DOOR ALARM - DOOR OPEN = OPEN CIRCUIT; DOOR CLOSED = GROUND |
| CG | DRIVER DOOR ALARM - DOOR OPEN = OPEN CIRCUIT; DOOR CLOSED = GROUND |
| CG | BATTERY POWER SUPPLY (GROUND) - B+ |

Instrument Cluster

| Pin | Description and Characteristic |
|-----|--------------------------------------|
| CG | EMERGENCY UNLOCK - B+ WHEN ACTIVATED |
| CG | SCP - |
| CG | SCP - |
| CG | BATTERY POWER SUPPLY - B+ |
| CG | POWER GROUND - GROUND |

NOTE: Refer to the Appendix at the rear of this book for Network Messages.

COMPONENTS

| Component | Connector(s) | Connector Description | Location |
|---------------------------|--------------|-----------------------|-----------------------------------|
| DOOR LATCH—DRIVER | D03 | 8-WAY / BLACK | DRIVER DOOR |
| DOOR LATCH—LH REAR | D09 | 2-WAY / BLACK | LH REAR DOOR |
| DOOR LATCH—RH REAR | BL3 | 2-WAY / BLACK | PASSENGER DOOR |
| DOOR LATCH—PASSENGER | BL6 | 2-WAY / BLACK | RH REAR DOOR |
| DOOR LATCH—RH REAR | PD3 | 2-WAY / BLACK | BEHIND INSTRUMENT PANEL / RH SIDE |
| GENERAL ELECTRONIC MODULE | PD4 | 2-WAY / BLACK | |
| | PD5 | 2-WAY / BLACK | |
| | PD6 | 2-WAY / BLACK | |
| | PD7 | 2-WAY / BLACK | |
| | PD8 | 2-WAY / BLACK | |
| | PD9 | 2-WAY / BLACK | |
| | PD10 | 2-WAY / BLACK | |
| | PD11 | 2-WAY / BLACK | |
| | PD12 | 2-WAY / BLACK | |
| | PD13 | 2-WAY / BLACK | |
| | PD14 | 2-WAY / BLACK | |
| | PD15 | 2-WAY / BLACK | |
| | PD16 | 2-WAY / BLACK | |
| | PD17 | 2-WAY / BLACK | |
| | PD18 | 2-WAY / BLACK | |
| | PD19 | 2-WAY / BLACK | |
| | PD20 | 2-WAY / BLACK | |
| | PD21 | 2-WAY / BLACK | |
| | PD22 | 2-WAY / BLACK | |
| | PD23 | 2-WAY / BLACK | |
| | PD24 | 2-WAY / BLACK | |
| | PD25 | 2-WAY / BLACK | |
| | PD26 | 2-WAY / BLACK | |
| | PD27 | 2-WAY / BLACK | |
| | PD28 | 2-WAY / BLACK | |
| | PD29 | 2-WAY / BLACK | |
| | PD30 | 2-WAY / BLACK | |
| | PD31 | 2-WAY / BLACK | |
| | PD32 | 2-WAY / BLACK | |
| | PD33 | 2-WAY / BLACK | |
| | PD34 | 2-WAY / BLACK | |
| | PD35 | 2-WAY / BLACK | |
| | PD36 | 2-WAY / BLACK | |
| | PD37 | 2-WAY / BLACK | |
| | PD38 | 2-WAY / BLACK | |
| | PD39 | 2-WAY / BLACK | |
| | PD40 | 2-WAY / BLACK | |
| | PD41 | 2-WAY / BLACK | |
| | PD42 | 2-WAY / BLACK | |
| | PD43 | 2-WAY / BLACK | |
| | PD44 | 2-WAY / BLACK | |
| | PD45 | 2-WAY / BLACK | |
| | PD46 | 2-WAY / BLACK | |
| | PD47 | 2-WAY / BLACK | |
| | PD48 | 2-WAY / BLACK | |
| | PD49 | 2-WAY / BLACK | |
| | PD50 | 2-WAY / BLACK | |
| | PD51 | 2-WAY / BLACK | |
| | PD52 | 2-WAY / BLACK | |
| | PD53 | 2-WAY / BLACK | |
| | PD54 | 2-WAY / BLACK | |
| | PD55 | 2-WAY / BLACK | |
| | PD56 | 2-WAY / BLACK | |
| | PD57 | 2-WAY / BLACK | |
| | PD58 | 2-WAY / BLACK | |
| | PD59 | 2-WAY / BLACK | |
| | PD60 | 2-WAY / BLACK | |
| | PD61 | 2-WAY / BLACK | |
| | PD62 | 2-WAY / BLACK | |
| | PD63 | 2-WAY / BLACK | |
| | PD64 | 2-WAY / BLACK | |
| | PD65 | 2-WAY / BLACK | |
| | PD66 | 2-WAY / BLACK | |
| | PD67 | 2-WAY / BLACK | |
| | PD68 | 2-WAY / BLACK | |
| | PD69 | 2-WAY / BLACK | |
| | PD70 | 2-WAY / BLACK | |
| | PD71 | 2-WAY / BLACK | |
| | PD72 | 2-WAY / BLACK | |
| | PD73 | 2-WAY / BLACK | |
| | PD74 | 2-WAY / BLACK | |
| | PD75 | 2-WAY / BLACK | |
| | PD76 | 2-WAY / BLACK | |
| | PD77 | 2-WAY / BLACK | |
| | PD78 | 2-WAY / BLACK | |
| | PD79 | 2-WAY / BLACK | |
| | PD80 | 2-WAY / BLACK | |
| | PD81 | 2-WAY / BLACK | |
| | PD82 | 2-WAY / BLACK | |
| | PD83 | 2-WAY / BLACK | |
| | PD84 | 2-WAY / BLACK | |
| | PD85 | 2-WAY / BLACK | |
| | PD86 | 2-WAY / BLACK | |
| | PD87 | 2-WAY / BLACK | |
| | PD88 | 2-WAY / BLACK | |
| | PD89 | 2-WAY / BLACK | |
| | PD90 | 2-WAY / BLACK | |
| | PD91 | 2-WAY / BLACK | |
| | PD92 | 2-WAY / BLACK | |
| | PD93 | 2-WAY / BLACK | |
| | PD94 | 2-WAY / BLACK | |
| | PD95 | 2-WAY / BLACK | |
| | PD96 | 2-WAY / BLACK | |
| | PD97 | 2-WAY / BLACK | |
| | PD98 | 2-WAY / BLACK | |
| | PD99 | 2-WAY / BLACK | |
| | PD100 | 2-WAY / BLACK | |

HARNES IN-LINE CONNECTORS

| Connector | Connector Description | Location |
|-----------|--|------------------------------------|
| CA1 | 22-WAY / NATURAL / INSTRUMENT PANEL HARNESS TO CABIN HARNESS | LH 'A' POST / 'A' POST TRIM |
| CA15 | 22-WAY / BLACK / CABIN HARNESS TO DRIVER DOOR HARNESS | DRIVER DOOR / DOOR CASING |
| CA16 | 22-WAY / BLACK / CABIN HARNESS TO DRIVER DOOR HARNESS | DRIVER DOOR / DOOR CASING |
| CA20 | 22-WAY / BLACK / CABIN HARNESS TO PASSENGER DOOR HARNESS | PASSENGER DOOR / DOOR CASING |
| CA21 | 22-WAY / BLACK / CABIN HARNESS TO PASSENGER DOOR HARNESS | PASSENGER DOOR / DOOR CASING |
| CA25 | 14-WAY / NATURAL / CABIN HARNESS TO LH REAR DOOR HARNESS | LH 'B/C' POST / 'B/C' POST TRIM |
| CA30 | 14-WAY / NATURAL / CABIN HARNESS TO RH REAR DOOR HARNESS | RH 'B/C' POST / 'B/C' POST TRIM |
| CA40 | 16-WAY / GREY / CABIN HARNESS TO ROOF HARNESS | RH 'A' POST / WINDSHIELD PILLAR |
| CA45 | 6-WAY / GREY / CABIN HARNESS TO TRUNK LID HARNESS | BEHIND LH 'E' POST / 'A' POST TRIM |
| CA49 | 12-WAY / GREY / CABIN HARNESS TO INSTRUMENT PANEL HARNESS | LH LOWER 'A' POST / 'A' POST TRIM |
| CA50 | 6-WAY / GREY / TRUNK LINK LEAD TO TRUNK LID HARNESS | BELOW PARCEL SHELF / LH SIDE |
| TL10 | | |

GROUND

| Ground | Harness | Location |
|--------|---------|---|
| G1 | CA | TRUNK / UNDER LH TAIL LAMP UNIT |
| G4 | CA | LOWER RH 'A' POST |
| G5 | IP | UPPER RH 'A' POST |
| G15 | CA | LOWER LH 'A' POST |
| G36 | IP | BEHIND INSTRUMENT PANEL / LH SIDE OF CROSS CAR BEAM |
| G37 | IP | BEHIND INSTRUMENT PANEL / RH SIDE OF CROSS CAR BEAM |

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

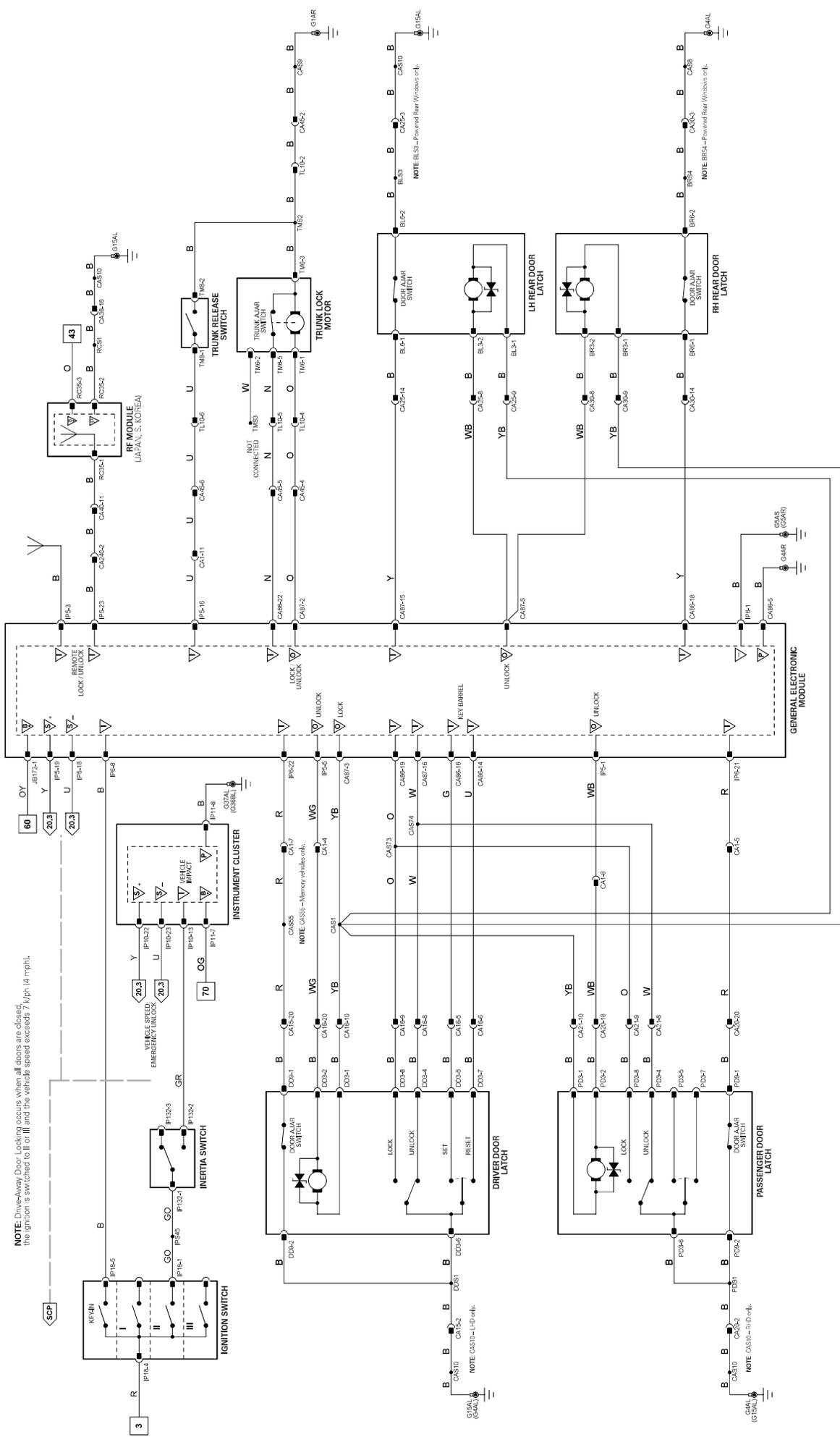
The following abbreviations are used to represent values for Control Module Pin-Out data

| I | Input | PG | Power Ground | C | CAN Network | D | Serial and Encoded Data |
|----|-----------------|----|------------------------|----|-------------|-----|-------------------------|
| O | Output | SS | Sensor / Signal Supply | S | SCP Network | V | Voltage (DC) |
| B+ | Battery Voltage | SS | Sensor / Signal Ground | D2 | D2B Network | PWM | Pulse Width Modulated |

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.

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



| | | | | | | | | | | | | | | |
|---|----|-----------|----|----|-----------|----|----|-----------|----|----|-----------|----|-----|-----------|
| 1 | 8 | Fig. 01.1 | 34 | 79 | Fig. 01.3 | 11 | 31 | Fig. 01.5 | 66 | 96 | Fig. 01.7 | 98 | 107 | Fig. 01.9 |
| 7 | 23 | Fig. 01.2 | 1 | 19 | Fig. 01.4 | 4 | 28 | Fig. 01.6 | 77 | 87 | Fig. 01.8 | | | |

VARIANT: Non Double Locking Sedan Vehicles
VIN RANGE: All
DATE OF ISSUE: August 2003