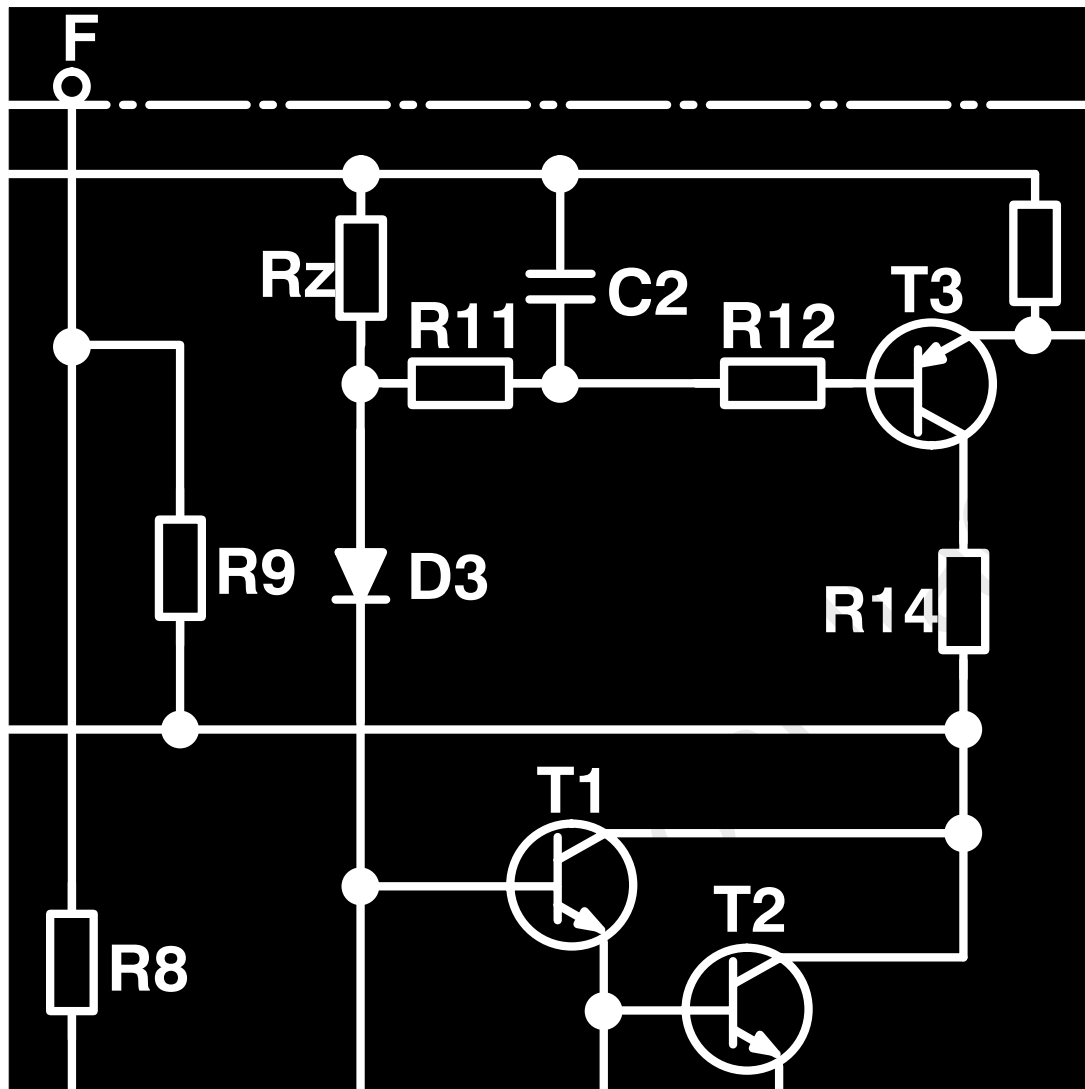




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**1999**

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**BMW  
318ti  
(E36/5)**

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**Electrical  
Troubleshooting  
Manual**

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Vehicles produced 9/98 thru 08/99



## ELECTRICAL TROUBLESHOOTING MANUAL

### SERIES 3 – E36/5 (318ti)

#### SCHEMATICS

#### MODEL YEAR 1999

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| SEAT MOVEMENT MOTOR, PASSENGER'S, M60 ....    | 5200.0-01  |
| SEAT OCCUPANCY DETECTOR, A113 .....           | 3234.0-03  |
| SEATBACK HEATER, DRIVER'S, E56 .....          | 5203.0-00  |
| SEATBACK HEATER, PASSENGER'S, E59 .....       | 5203.0-00  |
| SEATBACK RECLINER MOTOR, DRIVER'S, M53 .....  | 5200.0-00  |
| SEATBACK RECLINER MOTOR, PASSENGER'S, M58     | 5200.0-01  |
| SECONDARY AIR PUMP RELAY, K6304 .....         | 1210.20-08 |
| SECONDARY AIR PUMP VALVE, Y6163 .....         | 1210.20-08 |
| SHIFT-LOCK, Y19 .....                         | 2460.2-03  |
| SIDE IMPACT SENSOR, DRIVER'S, B78 .....       | 3234.0-01  |
| SIDE IMPACT SENSOR, PASSENGER'S, B79 .....    | 3234.0-01  |
| SLIP CONTROL (ABS/ASC) .....                  | 3450.1     |
| SLIP CONTROL MODULE (ABS/ASC), A52 .....      | 3450.1     |
| SPEAKER, LEFT REAR, H46 .....                 | 6510.0-00  |
| SPEAKER, LEFT REAR, H46 .....                 | 6510.1-01  |
| SPEAKER, RIGHT REAR, H45 .....                | 6510.0-00  |

|                                                |            |
|------------------------------------------------|------------|
| SPEAKER, RIGHT REAR, H45 .....                 | 6510.1-02  |
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| SPEED SENSOR – ABS, LEFT REAR, B4 .....        | 3450.1-03  |
| SPEED SENSOR – ABS, RIGHT FRONT, B1 .....      | 3450.1-03  |
| SPEED SENSOR – ABS, RIGHT REAR, B3 .....       | 3450.1-03  |
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| START .....                                    | 1240.0     |
| STARTER IMMOBILIZATION SWITCH, S235 .....      | 6135.1-00  |
| STARTER, M6510 .....                           | 1240.0-01  |
| SUBWOOFER, H66 .....                           | 6510.1     |
| SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG) .....  | 3234.0     |
| SUPPLEMENTAL RESTRAINT SYSTEM CONTROL          |            |
| MODULE, A12 .....                              | 3234.0     |
| SYMBOLS .....                                  | 0140.0     |
| TAIL LIGHT, LEFT, H25 .....                    | 6314.0-00  |
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| TAIL LIGHT, RIGHT, H30 .....                   | 6314.0-00  |
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| THROTTLE POSITION SENSOR (ASC), R6255z .....   | 3450.1-00  |
| THROTTLE POSITION SENSOR, R6252 .....          | 1210.20-04 |
| TILT/SLIDE SUNROOF CONTROL ASSEMBLY, A56 ..... | 5410.1     |
| TILT/SLIDE SUNROOF SWITCH (SHD), S38 .....     | 5410.1-01  |
| TRANSMISSION CONTROL MODULE (EGS), A8500 ..... | 2460.2     |
| TRANSMISSION POSITION INDICATOR LIGHT, E82 ..  | 6300.0-01  |
| TRANSMISSION VALVE UNIT, Y8505y .....          | 2460.2-03  |
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| TURN LIGHT, LEFT FRONT, H7 .....               | 6314.0-00  |
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## INDEX

|                                                          |            |
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## Schematics

The schematics divide the entire vehicle electrical system into individual circuits. Interacting electrical components are shown on one common schematic.

Switches and other components are represented in such a way that their general layout and function are self-explicit. They are arranged on the sheet such that the current path can be followed from positive (top) to negative (bottom).

**Important:** The components and wires are not drawn to scale. For instance, a lead with a length of over 1m can be shown as a lead that is only a few cm long. To ensure clear arrangement, all connectors, lines branches and connected components from the fuses to the component and from the component to ground connection are not shown within the individual cells. If required, reference can be made to cells **0670.3 Fuse Details** and **0670.4 Ground Distribution** where all lines are illustrated with all plug connections, line branches and connected components.

All circuit symbols used are listed and explained in cell **0140.0 Symbols**.

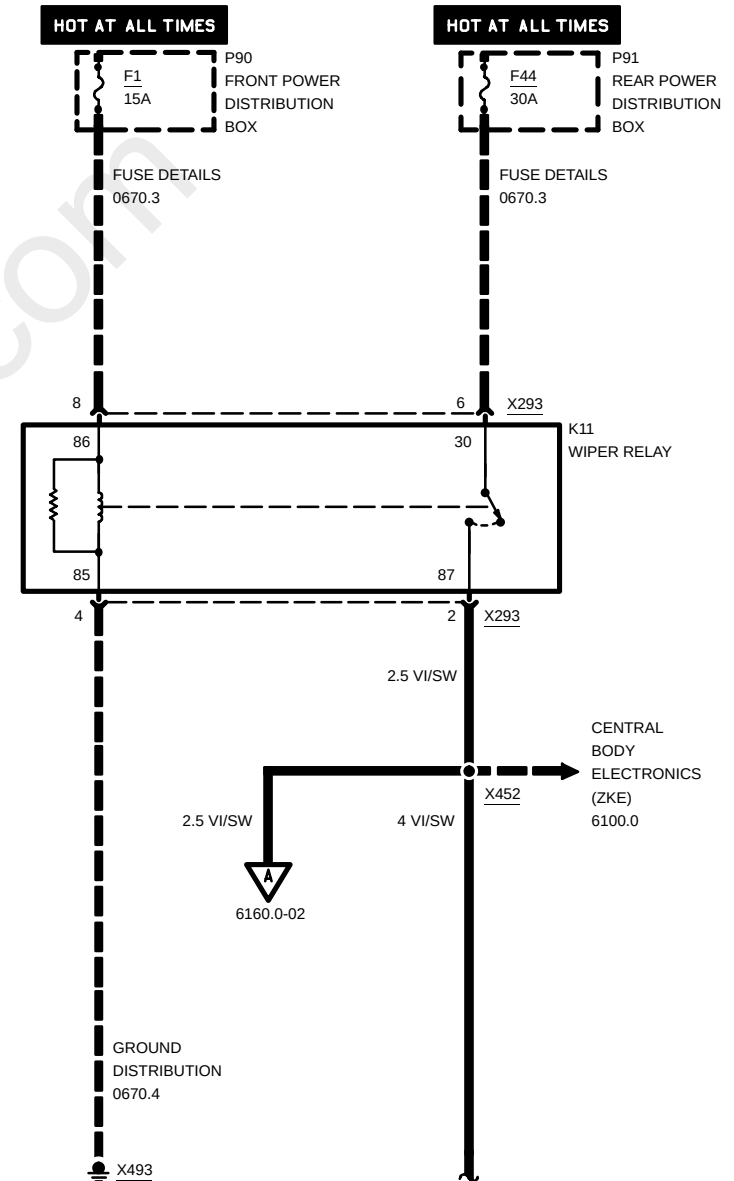
In cell **7000.0 Component Location Chart** all important connectors, ground points and components are listed in tabular form. It provides a precise description of the component locations in the vehicle.

In cell **7100.0 Component Location Views** the location of connectors and components which are difficult to locate are shown in line arts or illustrations. In cell **8000.0 Splice Location Views** all splices are listed in numerical order and illustrations are provided to assist in locating splices on larger harnesses. In cell **8500.0 Connector Views** diagrams of connectors with more than 2 pins are illustrated.

Included in this ETM are foldout block diagrams. These are overviews of the entire system (EGS, ABS, AC etc.) which helps understand the relationships between various components and control unit of the system being diagnosed.

### Example

General conventions can be explained based on the following schematic example.



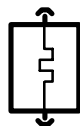
### General Conventions

1. Switches and relays are always shown in rest position (e.g. K11).
2. A component shown in a dashed frame signifies that the component is illustrated only in part (e.g. P90 and P91).
3. A component shown in a completely drawn frame signifies that the component is illustrated in full (e.g. K11).
4. The dashed line between pin 8 and pin 6 of connector X293 indicates that both pins belong to connector X293.
5. The dashed line from fuse F1 to pin 8 of connector X293 shows the positive supply of relay K11. If required, refer to cell **0670.3 Fuse Details** at fuse F1 for the complete line progressing with plug connections, line branches, wire colors and cross sections.
6. The dashed line with an arrow at splice X452 indicates that several wires lead to splice X452. All lines leading to the connection are illustrated in cell **6100.0 Central Body Electronics (ZKE)**. An interrupted line with an arrow indicates that only this one wire leads to another circuit.
7. The dashed line from pin 4 of connector X293 to ground X493 shows the ground supply for relay K11. If required, refer to cell **0670.4 Ground Distribution** at ground X493 for the complete line progression with all plug connections, line branches, wire colors and cross sections.
8. The interrupted line from splice X452 with an **A** in the open arrow is continued on page 6160.0-02.  
Termination of wire 4 VI/SW from splice X452 with a wavy line indicates that the wire is continued on the opposite page.

# 0140.0 SYMBOLS



BATTERY



HEATING ELEMENT



VARIABLE RESIS-  
TANCE SENSOR  
VARIABLE CON-  
TACT IS MOVED BY  
AN EXTERNAL  
FORCE



ANTENNA



FUSE DETAILS



LOUDSPEAKER OR  
HORN



VARIABLE RESIS-  
TOR RESISTANCE  
IS CHANGED BY  
TEMPERATURE OR  
PRESSURE



CONTROL/POWER  
ELECTRONICS



HALL EFFECT  
SENSOR



FUSIBLE LINK



LIGHT



DIODE CURRENT  
CAN FLOW ONLY IN  
DIRECTION OF AR-  
ROW



RADIO



CIRCUIT BREAKER



PERMANENT MAG-  
NET MOTOR ONE  
SPEED



ZENER DIODE TO  
REGULATE VOLT-  
AGE



TRANSISTORIZED  
SWITCH



THERMO SWITCH



PERMANENT MAG-  
NET MOTOR TWO  
SPEEDS



LIGHT EMITTING  
DIODE



INDUCTIVE  
SENSOR



SOLENOID



KNOCK SENSOR



OXYGEN SENSOR

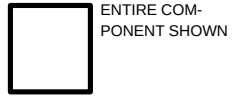


VEHICLE SPEED  
SENSOR

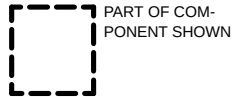


SOLENOID CON-  
TROLLED VALVE  
OR CLUTCH  
SOLENOID

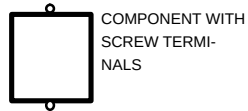
# SYMBOLS



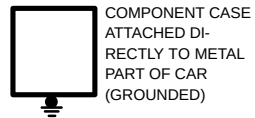
ENTIRE COMPONENT SHOWN



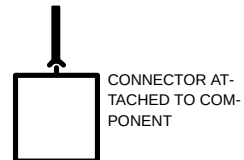
PART OF COMPONENT SHOWN



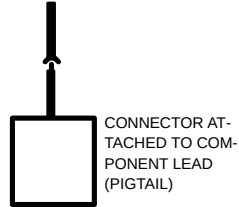
COMPONENT WITH SCREW TERMINALS



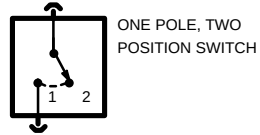
COMPONENT CASE ATTACHED DIRECTLY TO METAL PART OF CAR (GROUNDED)



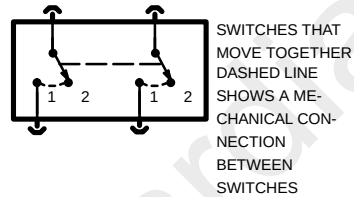
CONNECTOR ATTACHED TO COMPONENT



CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)



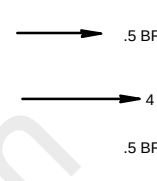
ONE POLE, TWO POSITION SWITCH



SWITCHES THAT MOVE TOGETHER DASHED LINE SHOWS A MECHANICAL CONNECTION BETWEEN SWITCHES

| WIRE COLOR |             |
|------------|-------------|
| BL         | BLUE        |
| BR         | BROWN       |
| GE         | YELLOW      |
| GN         | GREEN       |
| GR         | GRAY        |
| OR         | ORANGE      |
| RS         | PINK        |
| RT         | RED         |
| SW         | BLACK       |
| VI         | VIOLET      |
| WS         | WHITE       |
| TR         | TRANSPARENT |

WIRE INSULATION IS ONE COLOR



PIN NUMBER

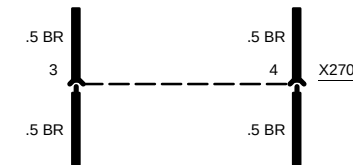
X270

CONNECTOR REFERENCE NUMBER FOR COMPONENT LOCATION CHART

WIRE INSULATION IS ONE COLOR WITH ANOTHER COLOR STRIPE (GREEN WITH WHITE)



A WAVY LINE MEANS WIRE IS CONTINUED



X270

TWO CONNECTIONS (PINS) IN THE SAME CONNECTOR

DASHED LINE INDICATES TERMINALS OF THE SAME CONNECTOR

WIRE SIZE IN MM SQUARED



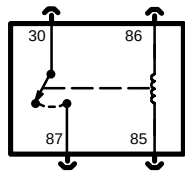
X165

WIRE ATTACHED TO METAL PART OF CAR (GROUNDED)

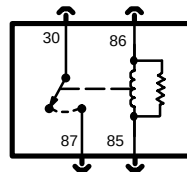
GROUND NUMBERED FOR REFERENCE ON COMPONENT LOCATION CHART



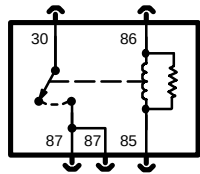
## SYMBOLS



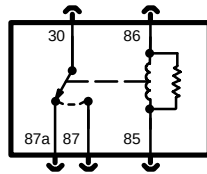
CONTACT RELAY



RELAY WITH RESISTOR ACROSS WINDING

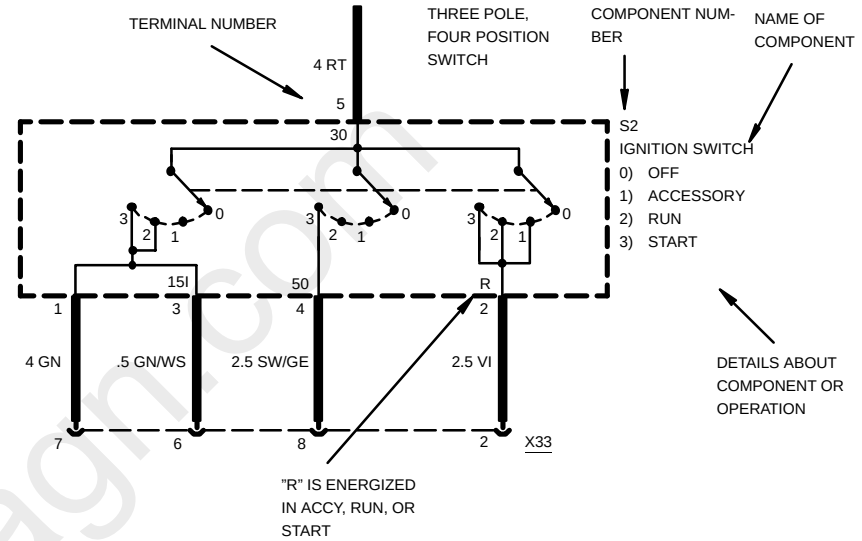


CONTACT RELAY WITH TWO OUTPUTS



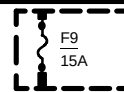
CHANGEOVER RELAY WITH TWO OUTPUTS

| TERMINAL NUMBER | DESCRIPTION              |
|-----------------|--------------------------|
| 30              | RELAY INPUT              |
| 85              | RELAY OUTPUT (WINDING)   |
| 86              | RELAY INPUT (WINDING)    |
| 87              | RELAY OUTPUT (ENERGIZED) |
| 87a             | RELAY OUTPUT (AT REST)   |



| TERMINAL NUMBER | DESCRIPTION                              | TERMINAL NUMBER | DESCRIPTION                                         |
|-----------------|------------------------------------------|-----------------|-----------------------------------------------------|
| 50              | VOLTAGE: IGNITION SWITCH IN START        | 15I             | VOLTAGE: IGNITION SWITCH IN RUN                     |
| 30              | VOLTAGE: SUPPLIED AT ALL TIMES           | R               | VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START |
| 15              | VOLTAGE: IGNITION SWITCH IN RUN OR START | 31              | GROUND                                              |

**HOT AT ALL TIMES**



INDICATES THAT FUSE 9 IS SUPPLIED WITH POWER AT ALL TIMES

POWER STATUS

**HOT AT ALL TIMES**

**HOT IN RUN AND START**

**HOT IN ACCY, RUN AND START**

DESCRIPTION

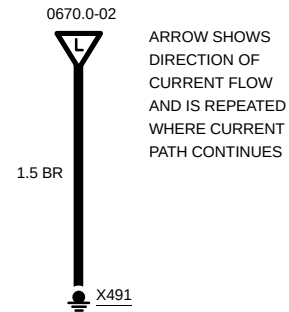
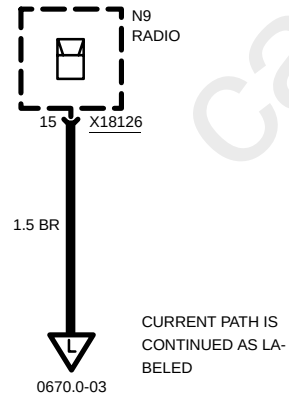
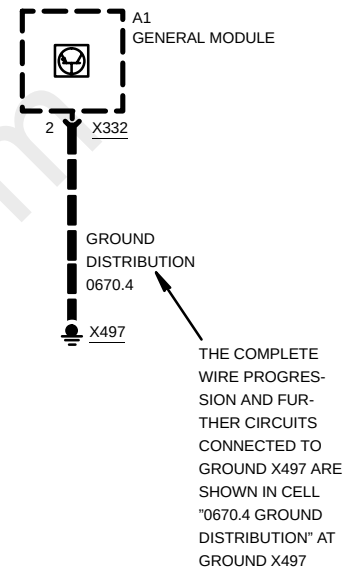
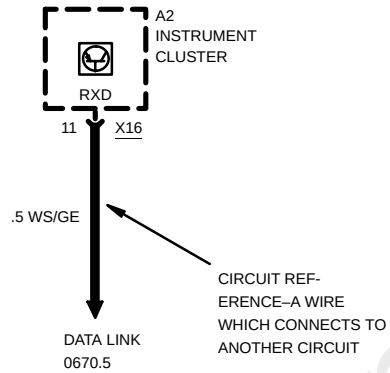
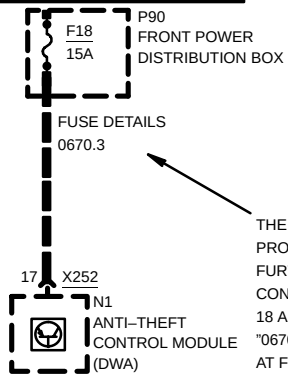
VOLTAGE: SUPPLIED AT ALL TIMES

VOLTAGE: IGNITION SWITCH IN RUN OR START

VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START

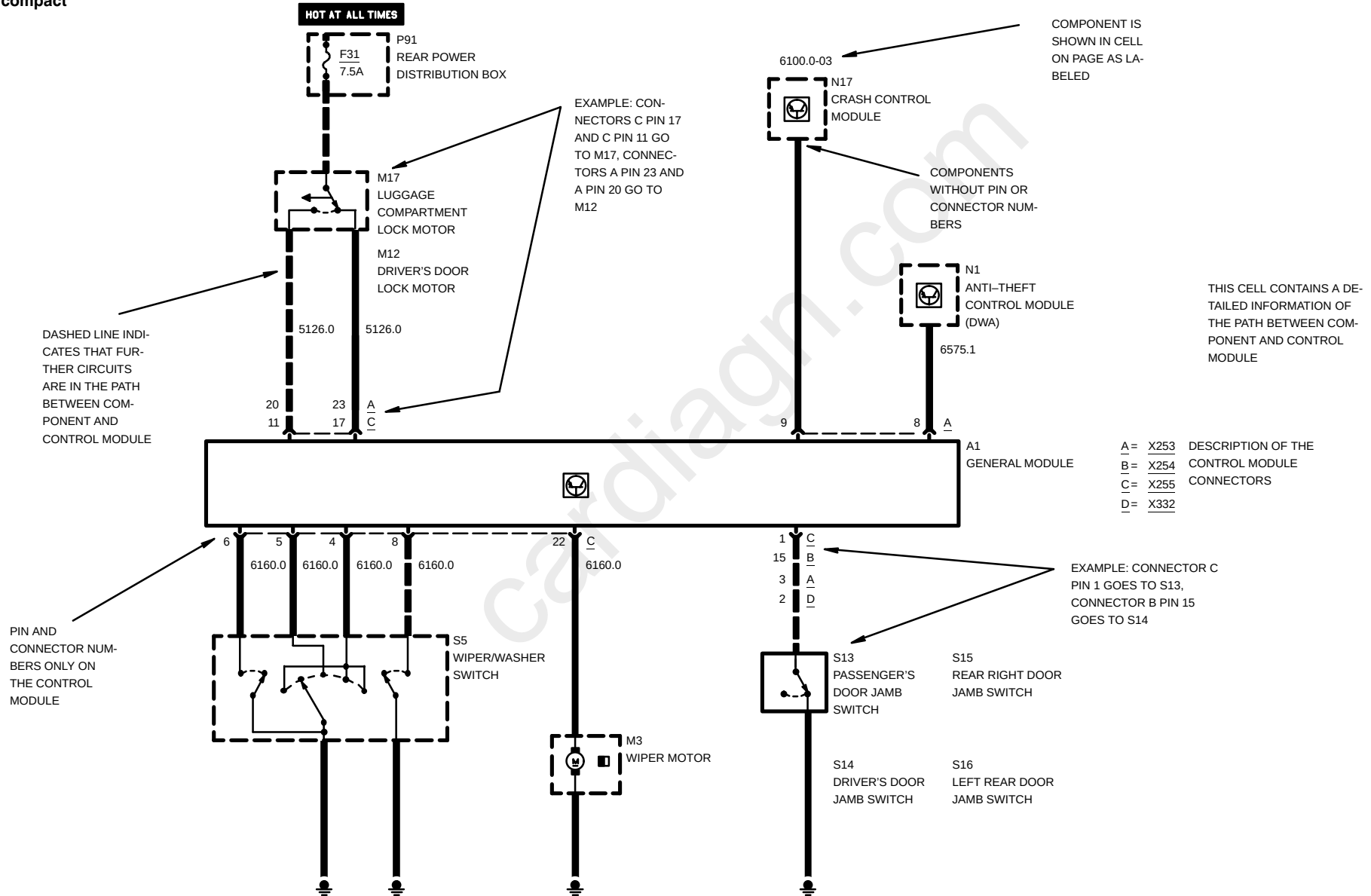
## SYMBOLS

### HOT IN ACCY, RUN AND START



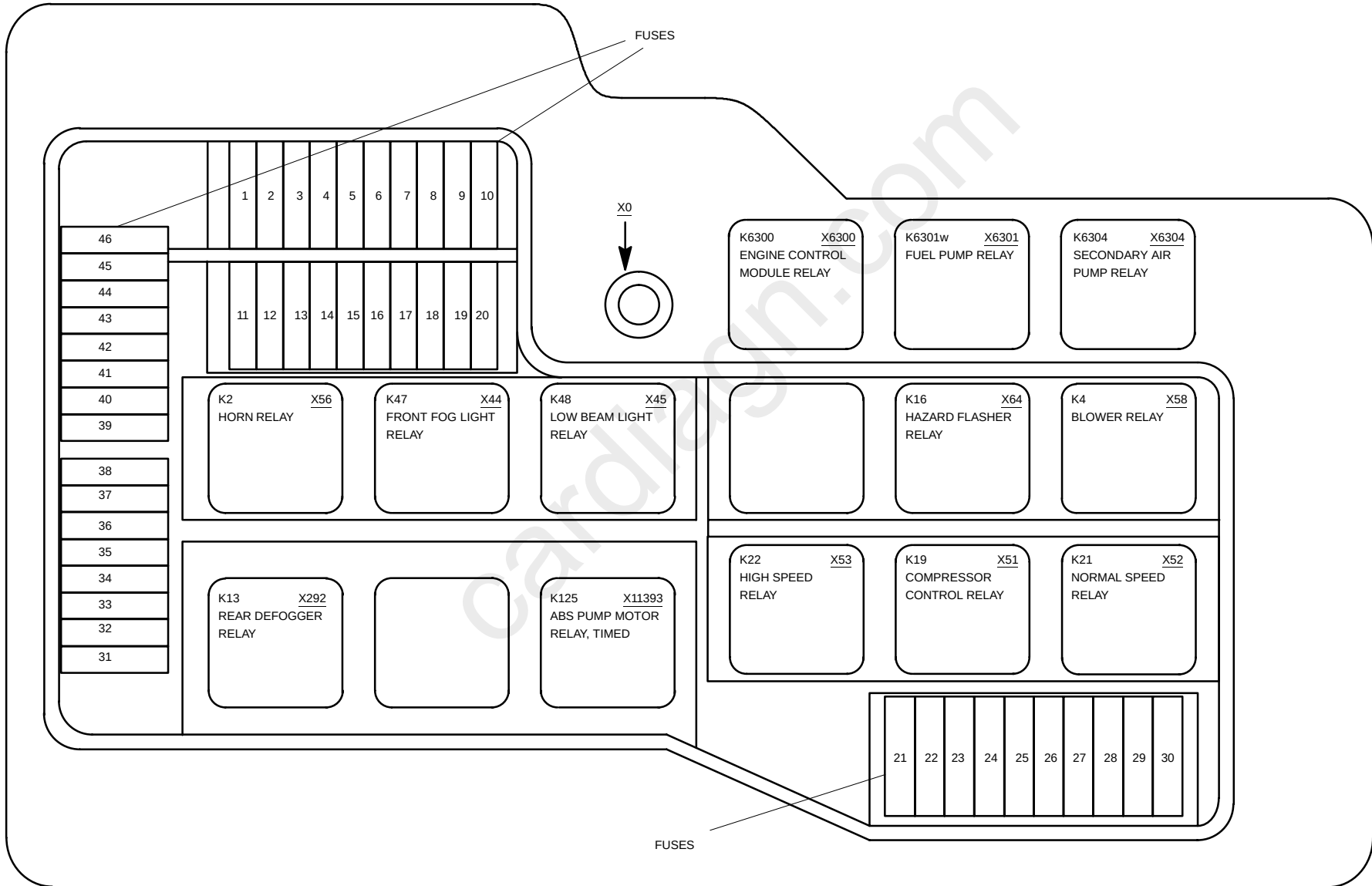
# SYMBOLS

## BLOCK DIAGRAM



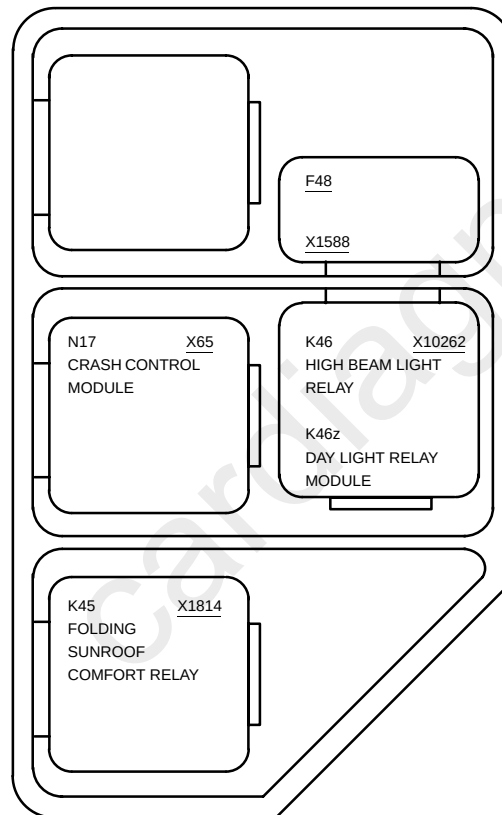
# 0670.0 POWER DISTRIBUTION CHART

## FRONT POWER DISTRIBUTION BOX



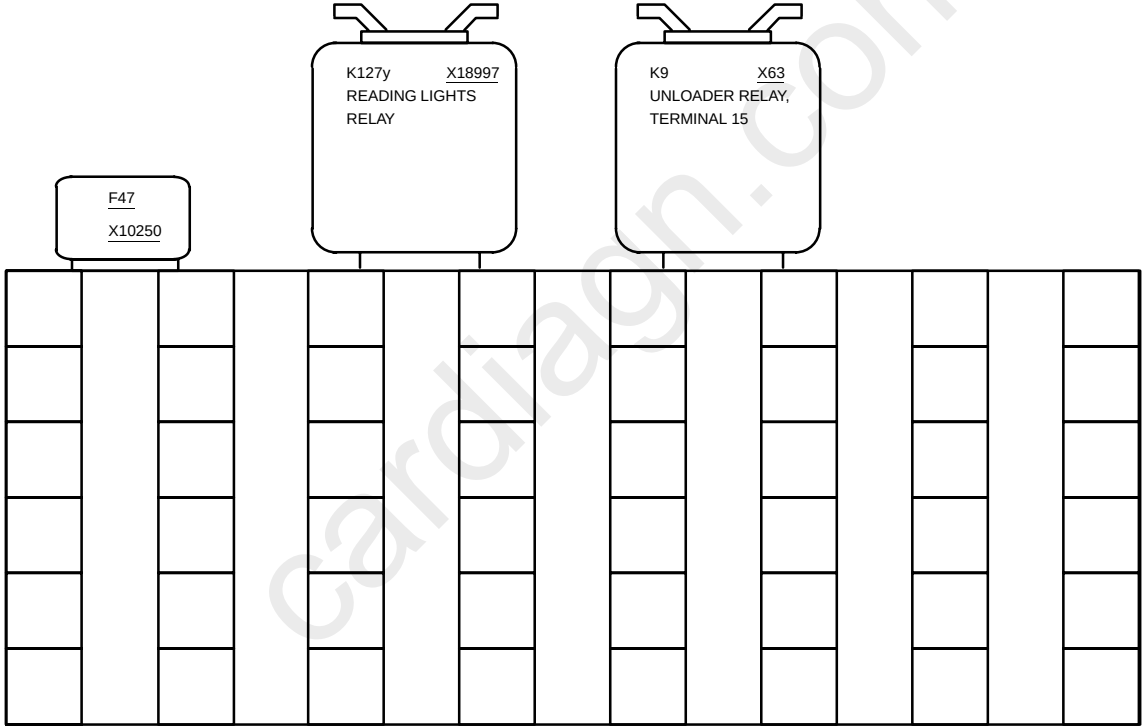
## POWER DISTRIBUTION CHART

### RELAY PANEL UNDER LH SIDE OF DASHBOARD





**POWER DISTRIBUTION CHART**  
**SPLICE PANEL UNDER LH SIDE OF DASHBOARD**





## 0670.1 FUSE CHART

### FUSES 1 TO 29

|                                                          | FUSE NUMBER |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
|----------------------------------------------------------|-------------|----|-----|-----|-----|-----|----|-----|-----|-----|------|------|----|-----|-----|----|----|-----|----|-----|----|----|----|-----|----|-----|----|----|------|
|                                                          | 1           | 2  | 3   | 4   | 5   | 6   | 7  | 8   | 9   | 10  | 11   | 12   | 13 | 14  | 15  | 16 | 17 | 18  | 19 | 20  | 21 | 22 | 23 | 24  | 25 | 26  | 27 | 28 | 29   |
|                                                          | 30A         | 5A | 30A | 15A | 30A | 30A | 5A | 15A | 20A | 30A | 7.5A | 7.5A |    | 30A | 15A | 5A |    | 15A |    | 30A | 5A | 5A | 5A | 10A | 5A | 10A | 5A | 5A | 7.5A |
| 1210.20 ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44) |             | ●  |     |     |     |     |    |     |     |     |      |      |    |     |     | ●  |    | ●   |    |     |    |    |    |     |    |     |    |    |      |
| 1230.0 CHARGING SYSTEM                                   |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 1240.0 START                                             |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    | ●  |      |
| 2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)    |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    | ●   | ●  | ●  |      |
| 3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)           |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     | ●  |    |      |
| 3450.1 SLIP CONTROL (ABS/ASC)                            |             |    |     |     |     |     |    |     |     | ●   |      |      |    |     |     |    |    |     |    |     | ●  |    |    |     |    |     | ●  |    |      |
| 5116.0 POWER MIRRORS                                     |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    | ●   |    |     |    |    |      |
| 5126.0 ZKE CENTRAL LOCKING (ZV)                          |             |    |     |     |     |     | ●  |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    | ●  |      |
| 5133.0 ZKE POWER WINDOWS (FH)                            |             |    |     |     |     |     |    |     |     |     |      |      |    | ●   |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 5200.0 POWER SEATS                                       |             |    |     |     | ●   |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 5203.0 HEATED SEATS                                      |             |    | ●   |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    | ●  |     |    |     |    |    |      |
| 5410.1 POWER TILT/SLIDE SUNROOF (SHD)                    | ●           |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 5410.4 ELECTRIC FOLDING SUNROOF                          | ●           |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)                 |             |    |     |     |     |     | ●  |     |     |     |      |      |    | ●   |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6133.0 HORN                                              |             |    |     |     |     |     |    | ●   |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6135.1 DRIVE-AWAY PROTECTION (EWS III)                   |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    | ●  |      |
| 6160.1 WIPER/WASHER MODULE (WWM)                         |             | ●  |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6169.0 WINDSHIELD WASHER JET HEATERS                     |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    | ●   |    |     |    |    |      |
| 6211.0 INSTRUMENT CLUSTER                                |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    | ●  |     |    |     | ●  |    |      |
| 6213.0 CLOCK                                             |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |



## FUSE CHART

### FUSES 1 TO 29

| compact |                                          | FUSE NUMBER |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
|---------|------------------------------------------|-------------|----|-----|-----|-----|-----|----|-----|-----|-----|------|------|----|-----|-----|----|----|-----|----|-----|----|----|----|-----|----|-----|----|----|------|
|         |                                          | 1           | 2  | 3   | 4   | 5   | 6   | 7  | 8   | 9   | 10  | 11   | 12   | 13 | 14  | 15  | 16 | 17 | 18  | 19 | 20  | 21 | 22 | 23 | 24  | 25 | 26  | 27 | 28 | 29   |
|         |                                          | 30A         | 5A | 30A | 15A | 30A | 30A | 5A | 15A | 20A | 30A | 7.5A | 7.5A |    | 30A | 15A | 5A |    | 15A |    | 30A | 5A | 5A | 5A | 10A | 5A | 10A | 5A | 5A | 7.5A |
| 6300.0  | LIGHT SWITCH DETAILS                     |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    | ●  | ●  |     | ●  |     |    |    |      |
| 6312.0  | HEADLIGHTS/FOG LIGHTS                    |             |    |     |     |     |     |    |     |     | ●   | ●    |      |    | ●   |     |    |    |     |    |     |    | ●  | ●  |     | ●  |     |    |    | ●    |
| 6313.0  | TURN/HAZARD LIGHTS                       |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    | ●  |     |    |     |    |    |      |
| 6314.0  | PARK/TAIL/UNDERHOOD LIGHTS               |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6320.0  | LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6322.0  | BACK UP LIGHTS                           |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    | ●   |    |    |      |
| 6325.0  | BRAKE LIGHTS                             |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6330.3  | INTERIOR LIGHTS                          |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6332.0  | INTERIOR ACCESSORIES                     |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6350.0  | CRASH CONTROL MODULE                     |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6410.7  | HEATING CONTROL (HS)                     |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    | ●   |    |    |    |     |    |     |    |    |      |
| 6424.0  | REAR WINDOW DEFOGGER                     |             |    |     |     | ●   |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    | ●  |     |    |     |    |    |      |
| 6450.6  | INTEGRATED HEATING- AND CLIMATE CONTROL  |             |    |     |     |     |     |    |     |     |     |      |      |    |     | ●   |    |    |     |    | ●   |    |    | ●  |     |    |     |    |    |      |
| 6510.0  | RADIO/CD PLAYER (PROVISIONS)             |             |    |     |     |     |     |    |     | ●   |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6510.1  | RADIO/HIFI                               |             |    |     |     |     |     |    |     | ●   |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6561.0  | CELLULAR TELEPHONE (PROVISIONS)          |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6571.0  | CRUISE CONTROL (TEMPOMAT)                |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    | ●  |      |
| 6575.2  | ANTI-THEFT SYSTEM (ALPINE)               |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
| 6581.3  | BOARD COMPUTER (BC – LOW)                |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |
|         |                                          |             |    |     |     |     |     |    |     |     |     |      |      |    |     |     |    |    |     |    |     |    |    |    |     |    |     |    |    |      |



R M44)

270R)

| R M44 | 270R |
|-------|------|
| 1     | 1    |
| 2     | 2    |
| 3     | 3    |
| 4     | 4    |
| 5     | 5    |
| 6     | 6    |
| 7     | 7    |
| 8     | 8    |
| 9     | 9    |
| 10    | 10   |
| 11    | 11   |
| 12    | 12   |
| 13    | 13   |
| 14    | 14   |
| 15    | 15   |
| 16    | 16   |
| 17    | 17   |
| 18    | 18   |
| 19    | 19   |
| 20    | 20   |
| 21    | 21   |
| 22    | 22   |
| 23    | 23   |
| 24    | 24   |
| 25    | 25   |
| 26    | 26   |
| 27    | 27   |
| 28    | 28   |
| 29    | 29   |
| 30    | 30   |
| 31    | 31   |
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| 33    | 33   |
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| 46    | 46   |
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| 90    | 90   |
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| 92    | 92   |
| 93    | 93   |
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| 98    | 98   |
| 99    | 99   |
| 100   | 100  |

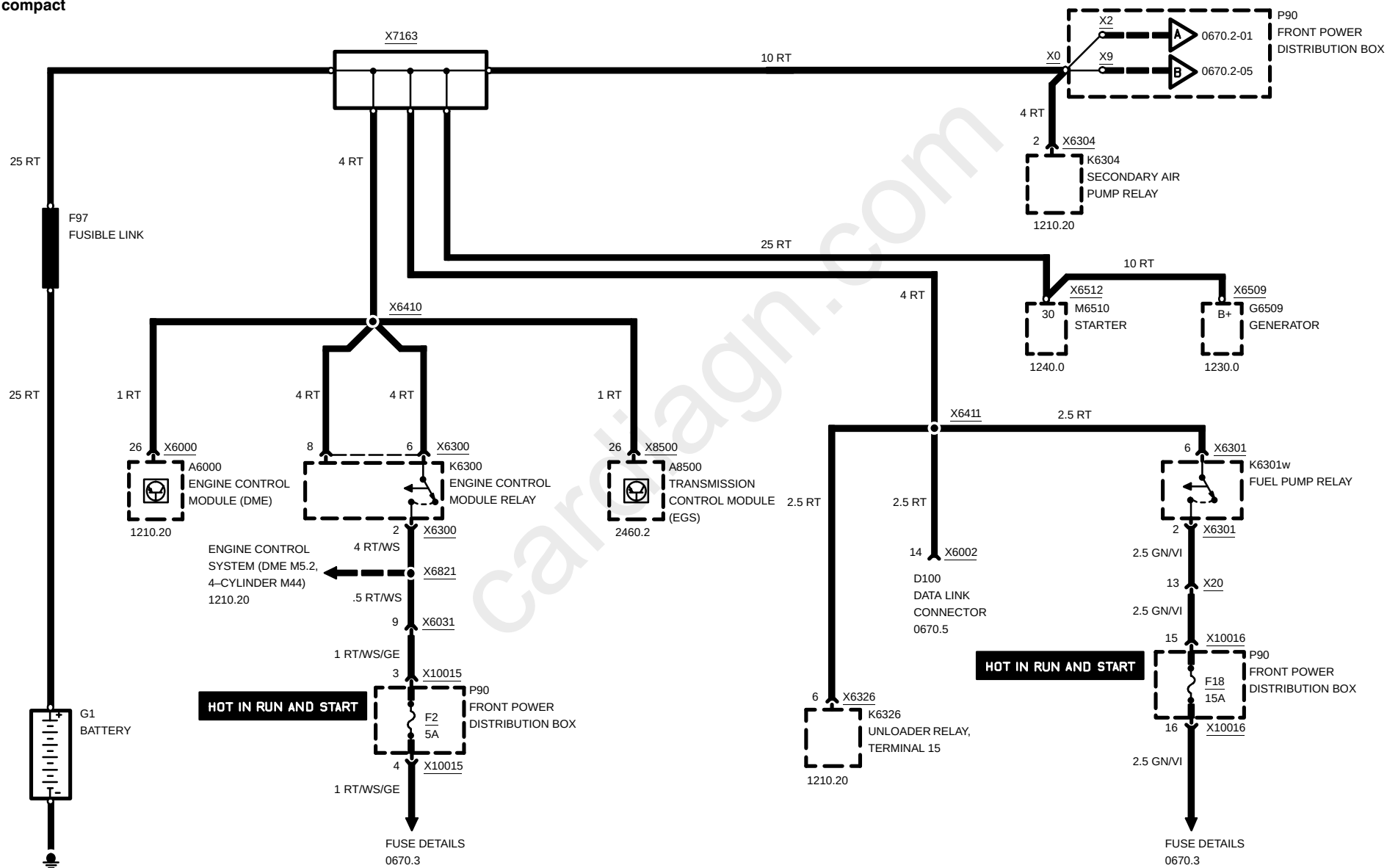


## FUSE CHART

### FUSES 30 TO 48

|                                                 | FUSE NUMBER |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------|-------------|----|-----|-----|-----|-----|-----|-----|-----|------|-----|----|------|----|-----|------|-----|-----|-----|--|--|--|--|--|--|--|--|--|
|                                                 | 30          | 31 | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39   | 40  | 41 | 42   | 43 | 44  | 45   | 46  | 47  | 48  |  |  |  |  |  |  |  |  |  |
|                                                 | 7.5A        | 5A | 30A | 10A | 15A | 25A | 30A | 10A | 30A | 7.5A | 30A |    | 7.5A | 5A | 15A | 7.5A | 15A | 15A | 40A |  |  |  |  |  |  |  |  |  |
| 6300.0 LIGHT SWITCH DETAILS                     |             |    |     | ●   |     |     |     | ●   |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6312.0 HEADLIGHTS/FOG LIGHTS                    | ●           |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6313.0 TURN/HAZARD LIGHTS                       |             |    |     |     | ●   |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6314.0 PARK/TAIL/UNDERHOOD LIGHTS               |             |    |     | ●   |     |     |     | ●   |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6320.0 LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS |             |    |     | ●   |     |     |     | ●   |     |      |     |    |      |    |     |      |     | ●   |     |  |  |  |  |  |  |  |  |  |
| 6322.0 BACK UP LIGHTS                           |             |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6325.0 BRAKE LIGHTS                             |             |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      | ●   |     |     |  |  |  |  |  |  |  |  |  |
| 6330.3 INTERIOR LIGHTS                          |             |    |     | ●   |     |     |     |     |     |      |     |    |      | ●  |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6332.0 INTERIOR ACCESSORIES                     |             |    | ●   |     |     |     |     | ●   |     |      |     |    |      |    | ●   |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6350.0 CRASH CONTROL MODULE                     |             |    |     |     | ●   |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6410.7 HEATING CONTROL (HS)                     |             |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6424.0 REAR WINDOW DEFOGGER                     |             |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6450.6 INTEGRATED HEATING- AND CLIMATE CONTROL  |             |    |     |     |     |     |     |     |     | ●    |     |    |      |    |     |      |     |     | ●   |  |  |  |  |  |  |  |  |  |
| 6510.0 RADIO/CD PLAYER (PROVISIONS)             |             |    |     | ●   |     |     |     |     |     |      |     |    |      |    | ●   |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6510.1 RADIO/HIFI                               |             |    |     | ●   |     |     |     |     |     |      |     |    |      |    | ●   |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6561.0 CELLULAR TELEPHONE (PROVISIONS)          |             |    |     | ●   |     |     |     |     |     |      |     |    |      | ●  |     |      |     |     |     |  |  |  |  |  |  |  |  |  |
| 6571.0 CRUISE CONTROL (TEMPOMAT)                |             |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      | ●   |     |     |  |  |  |  |  |  |  |  |  |
| 6575.2 ANTI-THEFT SYSTEM (ALPINE)               |             |    |     |     |     |     |     |     |     |      |     |    |      | ●  |     |      |     | ●   |     |  |  |  |  |  |  |  |  |  |
| 6581.3 BOARD COMPUTER (BC – LOW)                |             | ●  |     |     |     |     |     |     |     |      |     |    |      |    |     |      | ●   |     |     |  |  |  |  |  |  |  |  |  |
|                                                 |             |    |     |     |     |     |     |     |     |      |     |    |      |    |     |      |     |     |     |  |  |  |  |  |  |  |  |  |

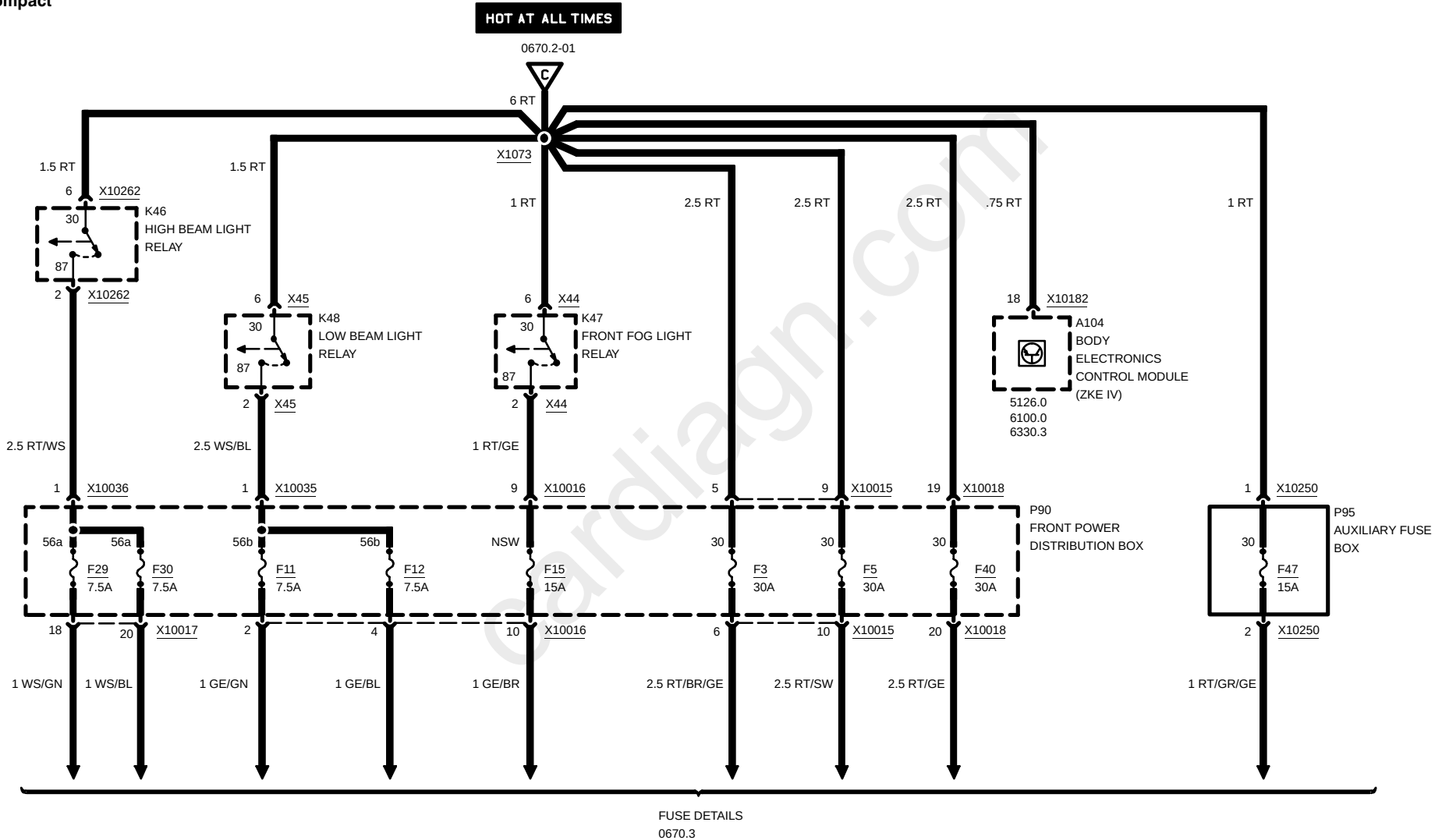
# 0670.2 POWER DISTRIBUTION



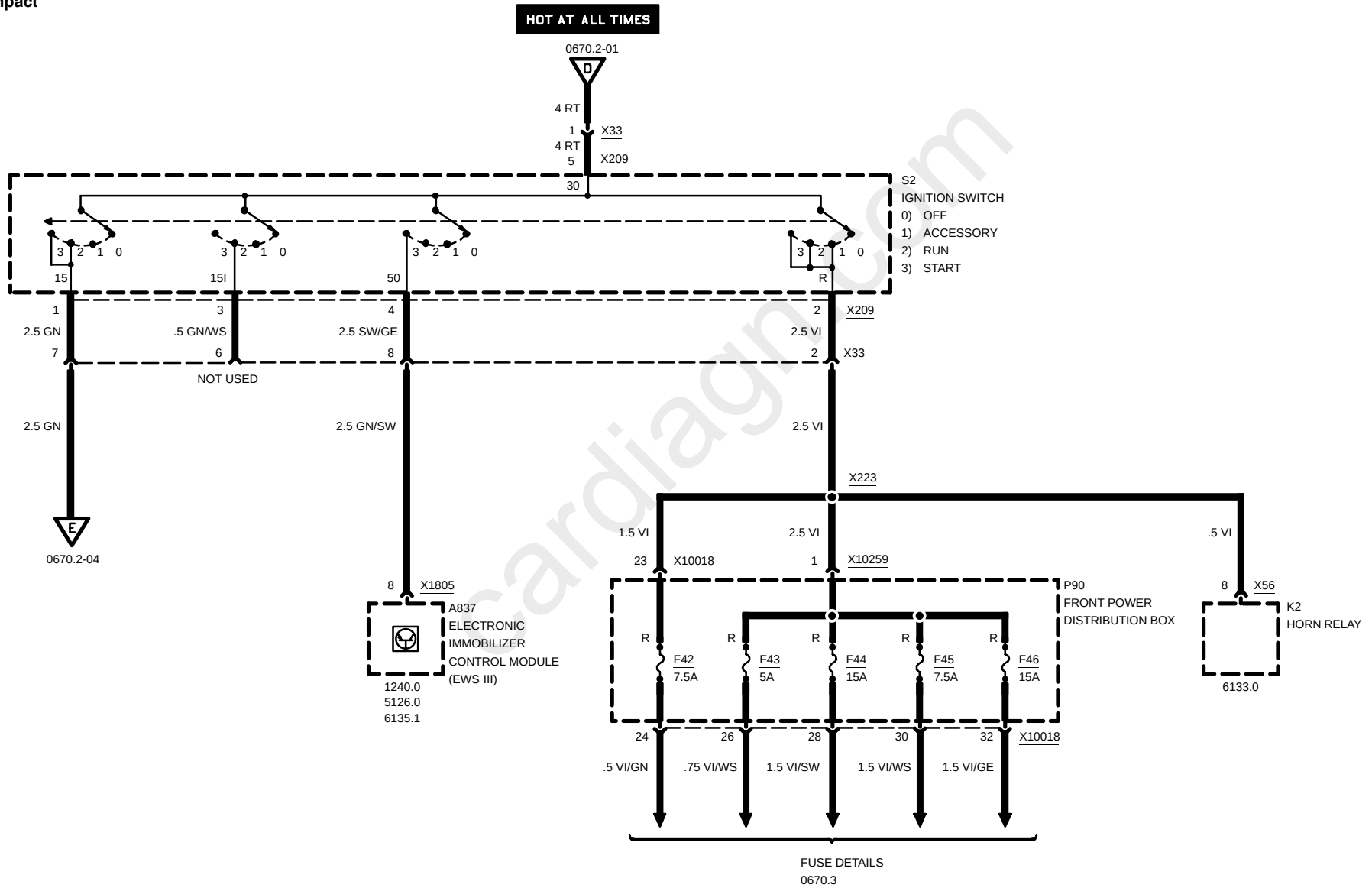


**0670.2-01**

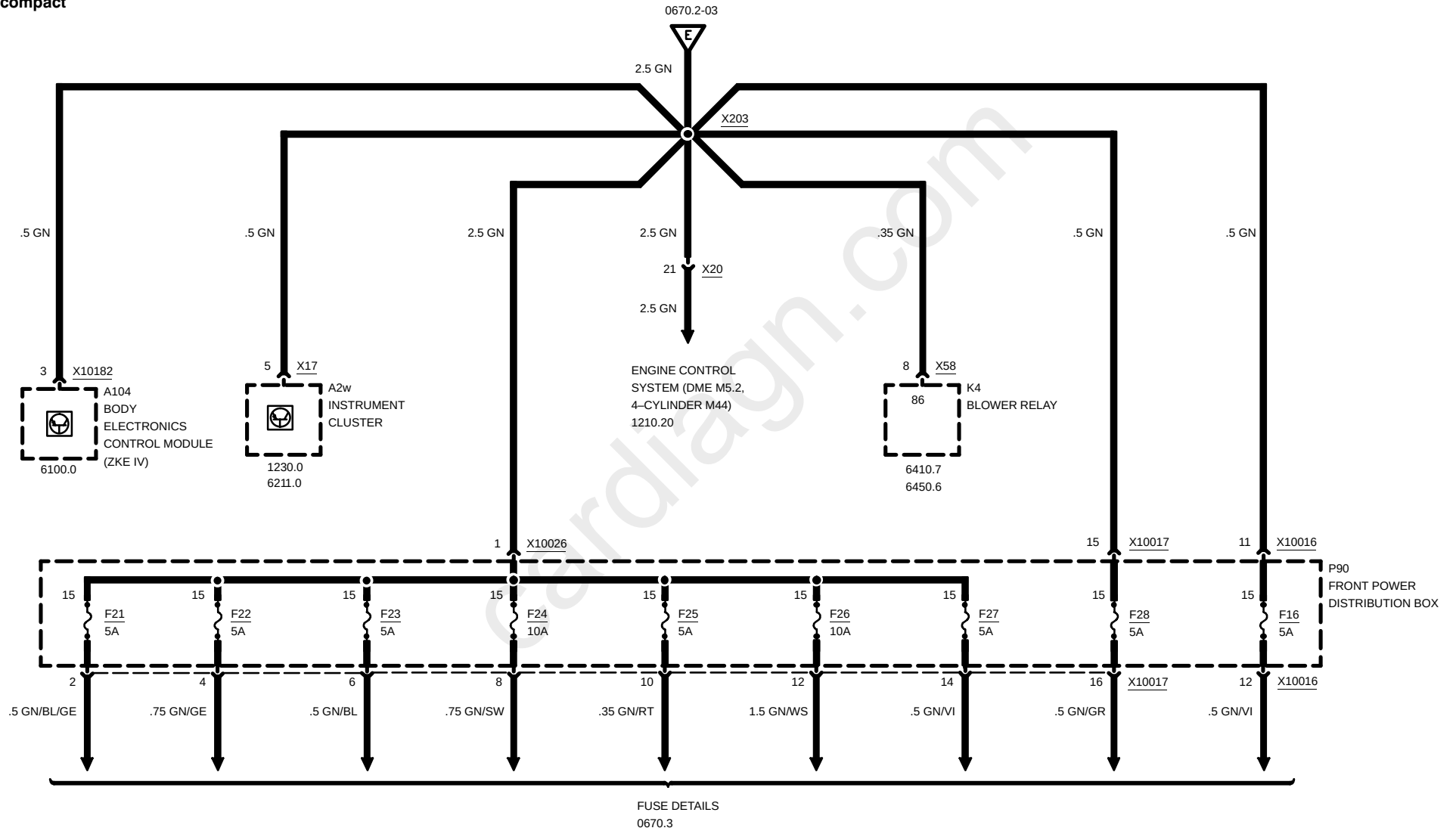
# POWER DISTRIBUTION



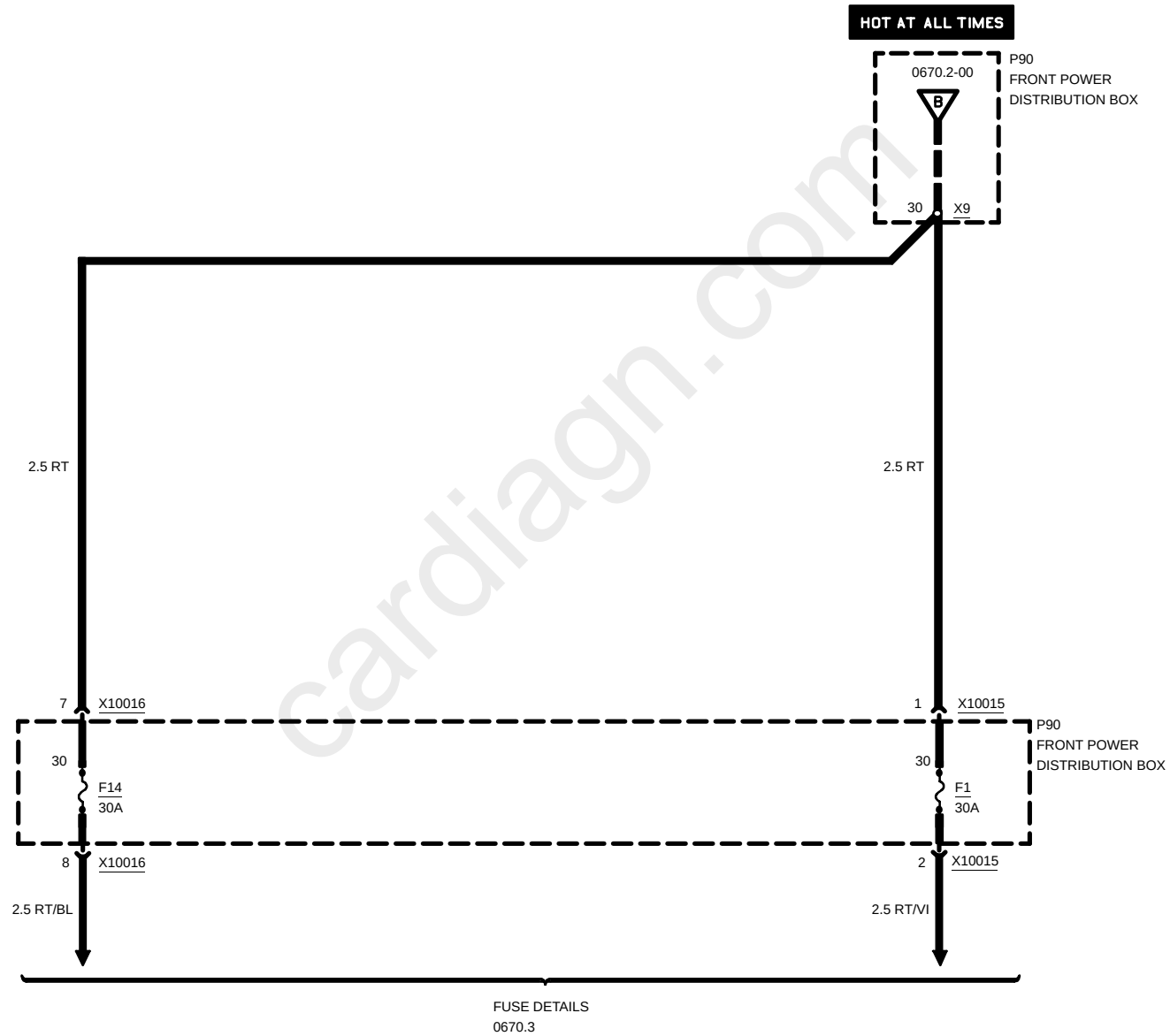
# POWER DISTRIBUTION



# POWER DISTRIBUTION

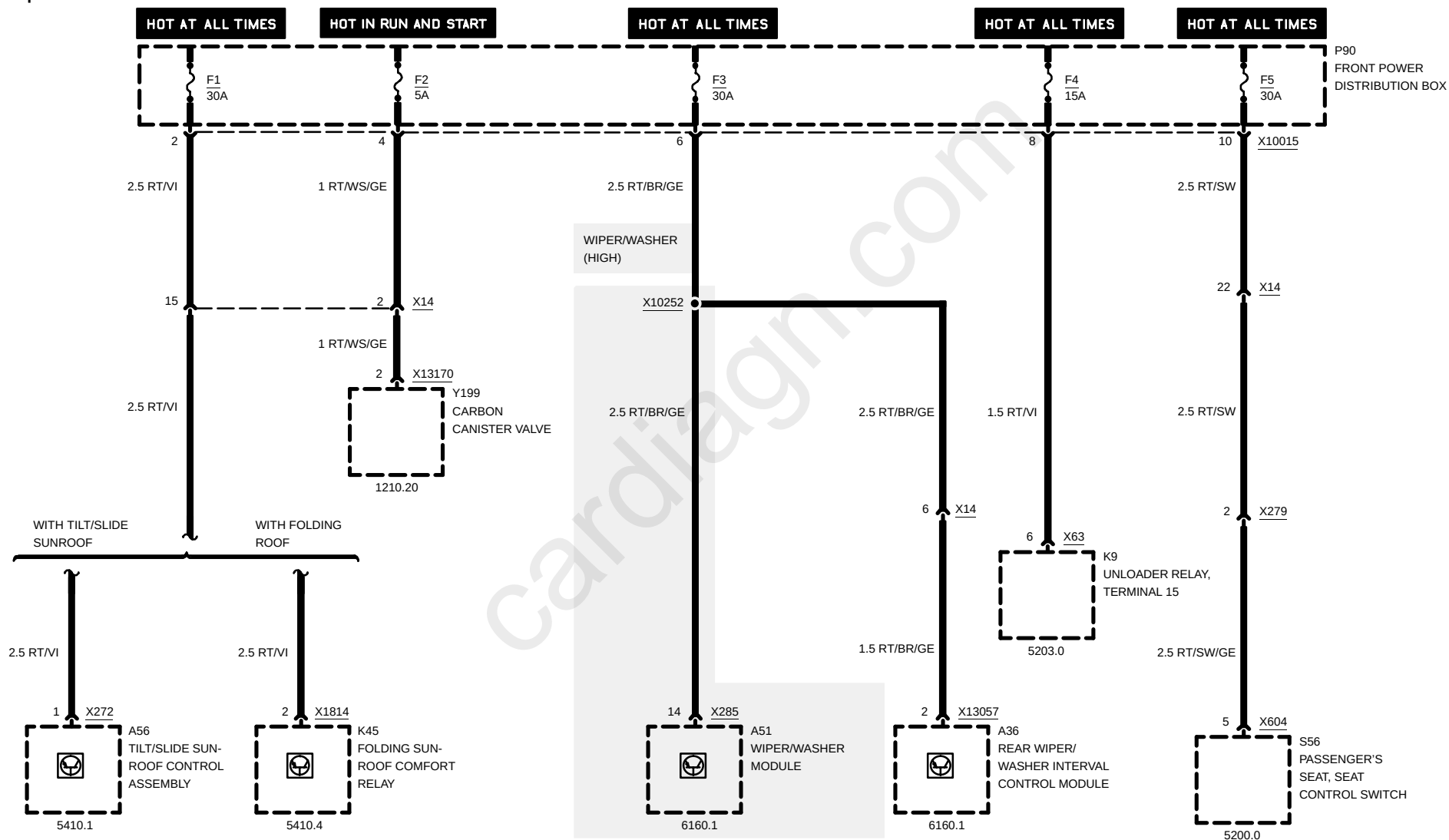


## POWER DISTRIBUTION



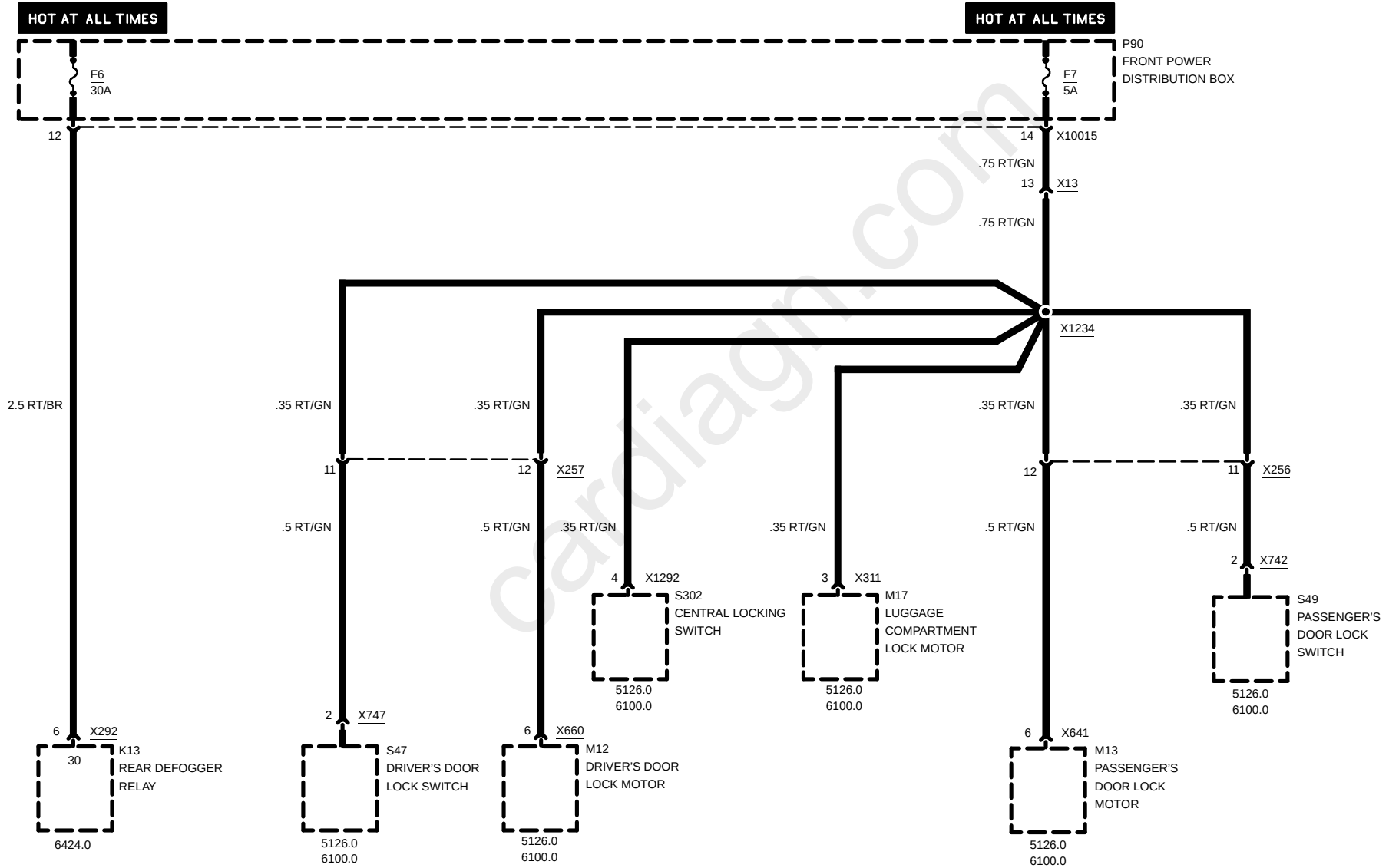
# 0670.3 FUSE DETAILS

## FUSES 1, 2, 3, 4, AND 5



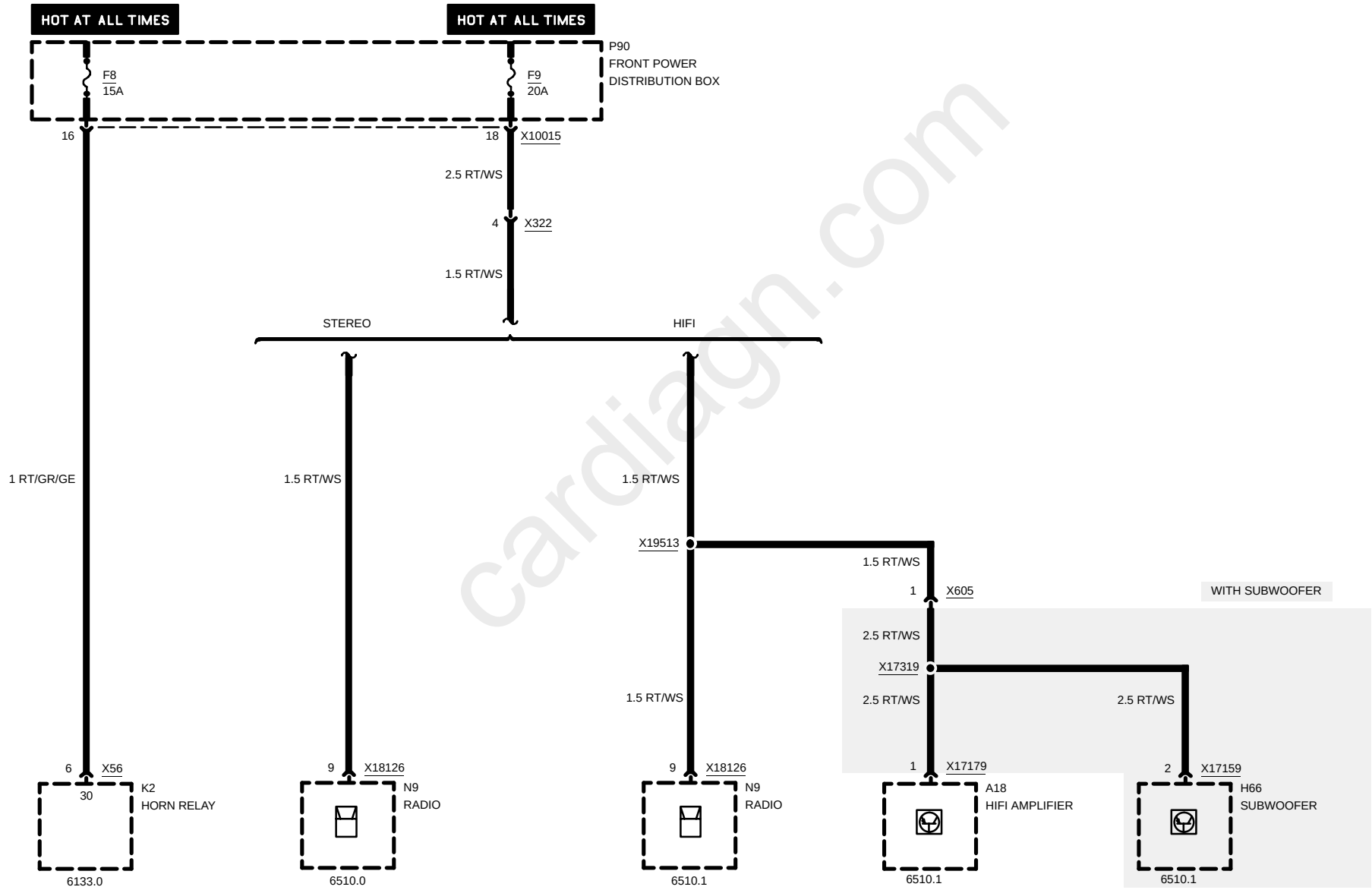
# FUSE DETAILS

## FUSES 6 AND 7



## FUSE DETAILS

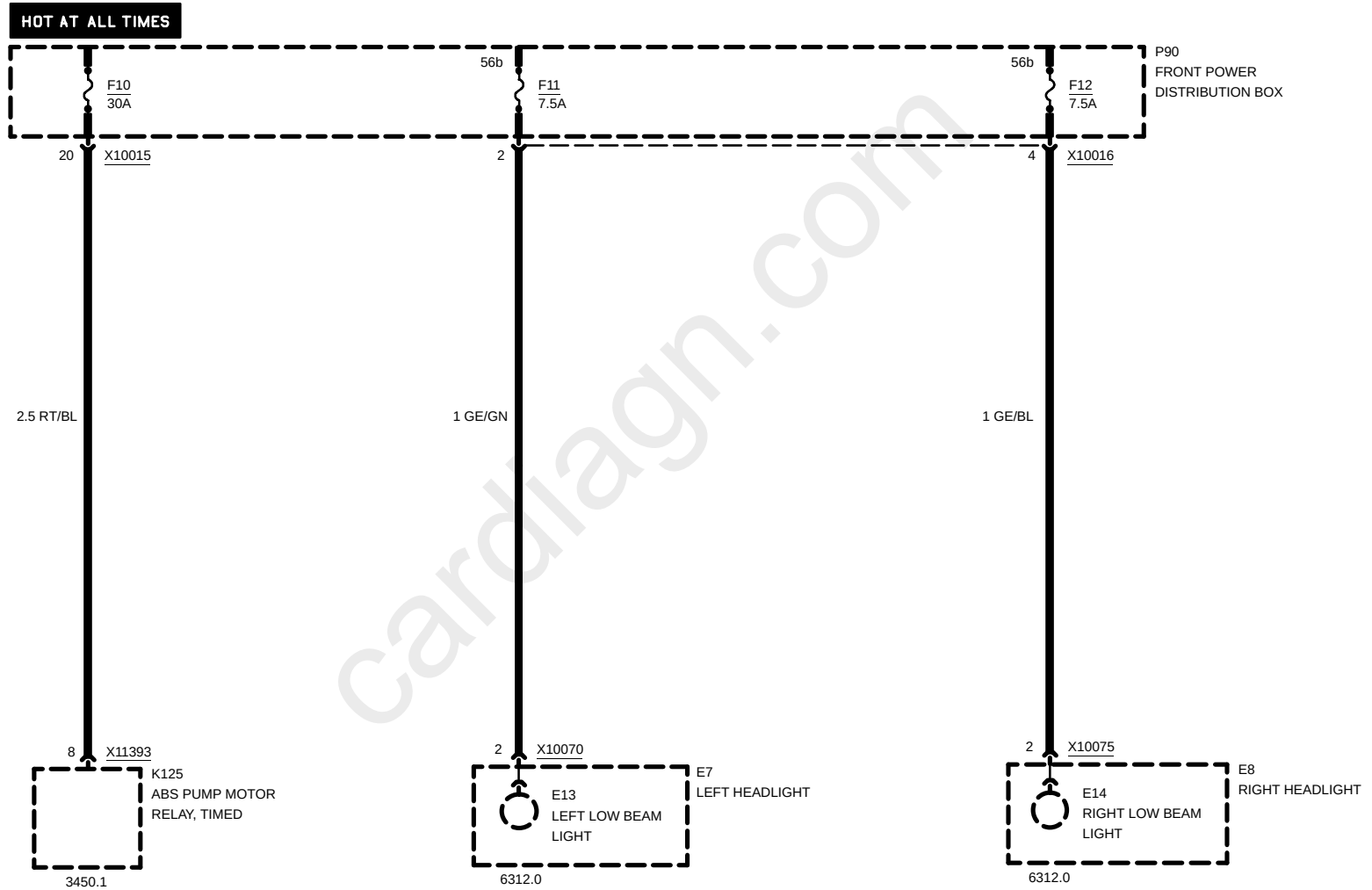
### FUSES 8 AND 9





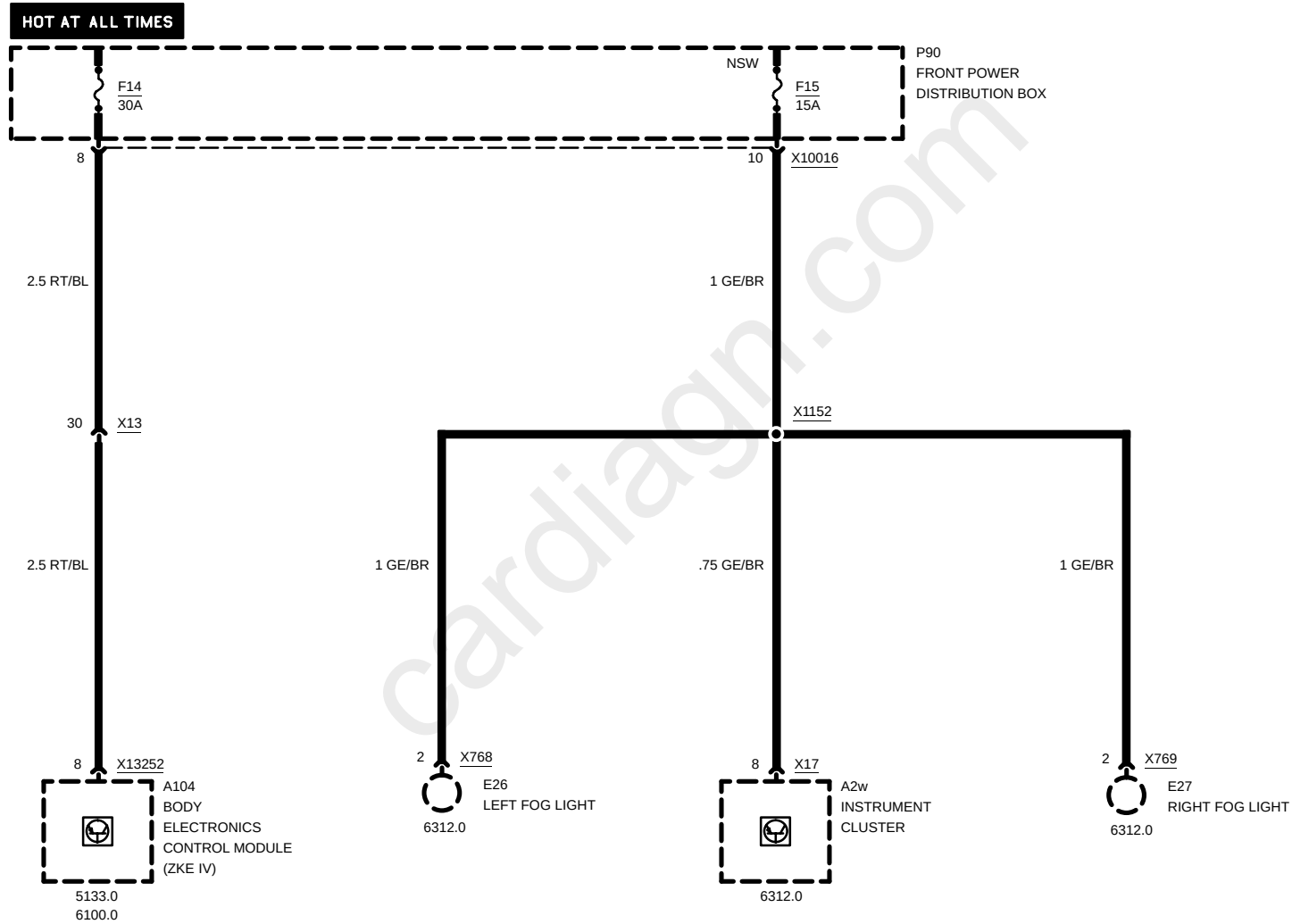
## FUSE DETAILS

### FUSES 10, 11, AND 12



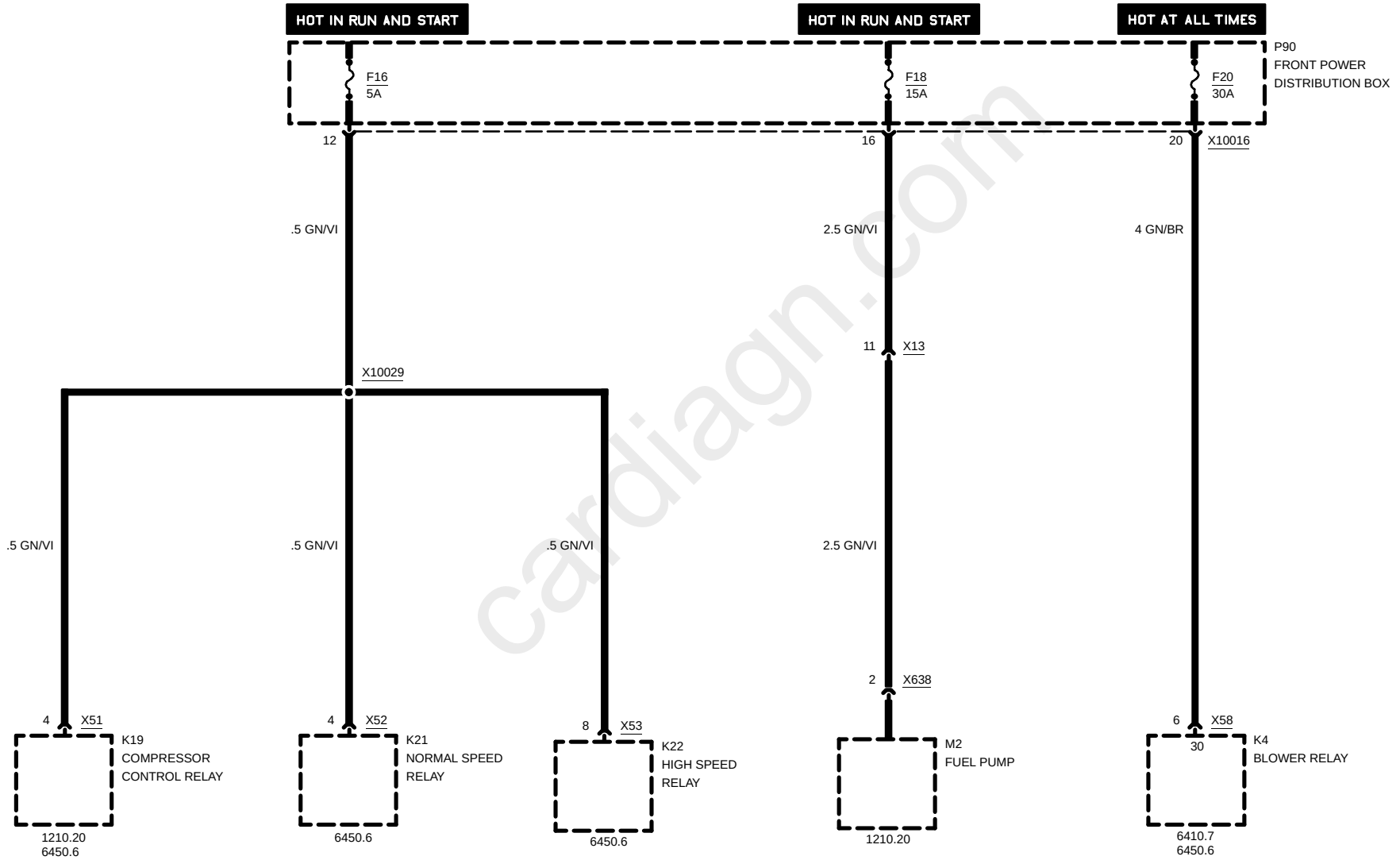
## FUSE DETAILS

### FUSES 14 AND 15



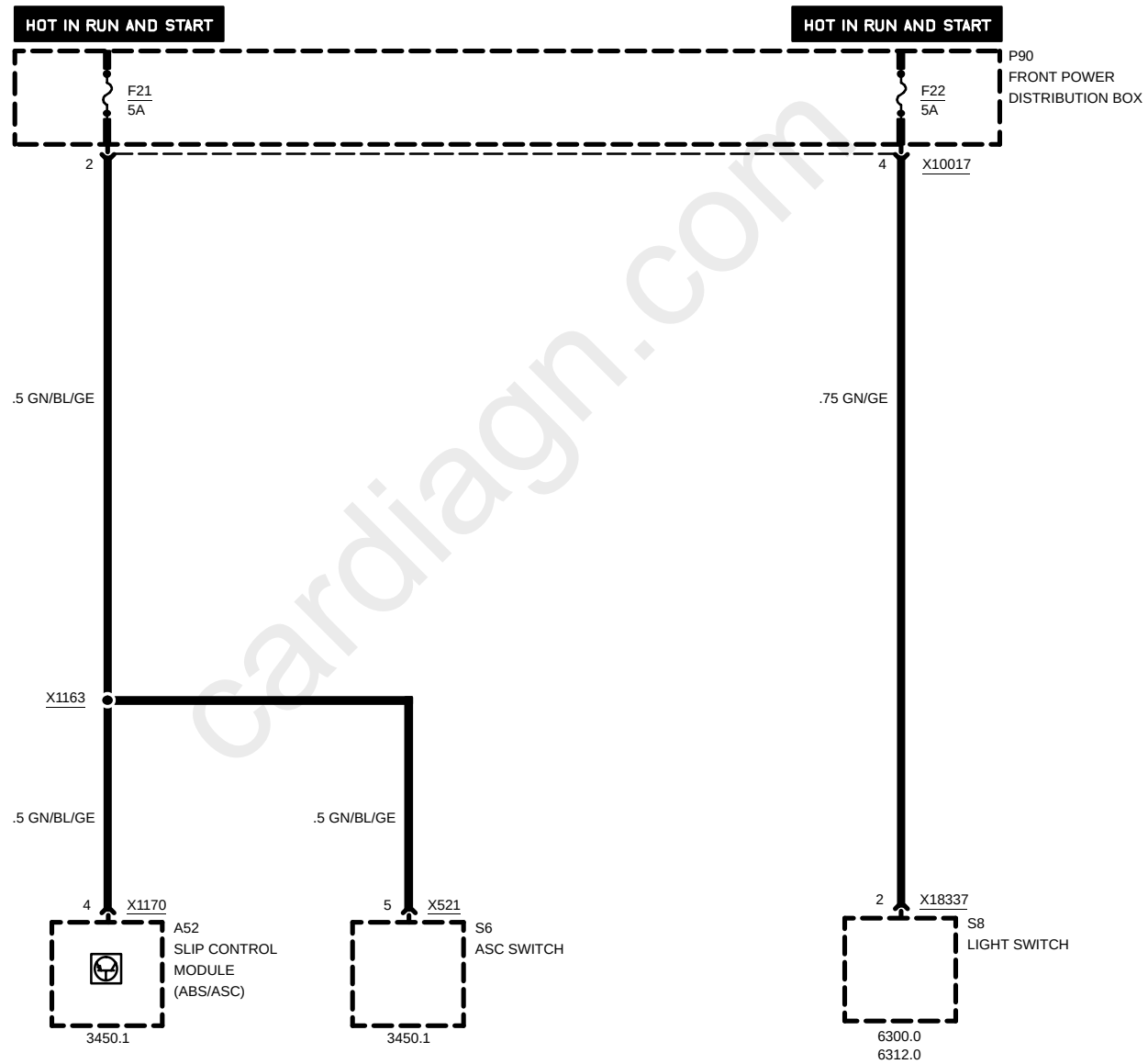
# FUSE DETAILS

## FUSES 16, 18, AND 20



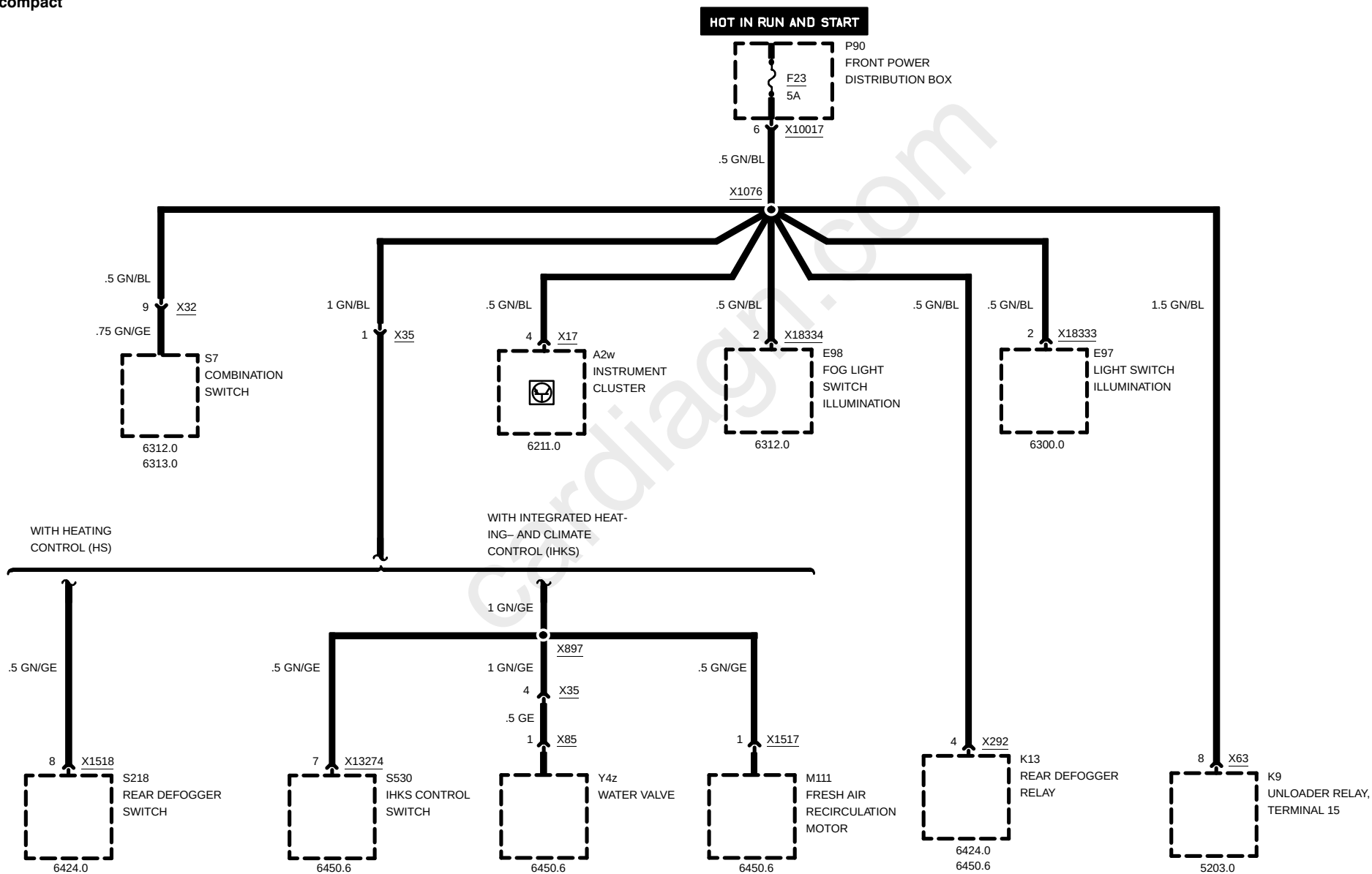
## FUSE DETAILS

### FUSES 21 AND 22



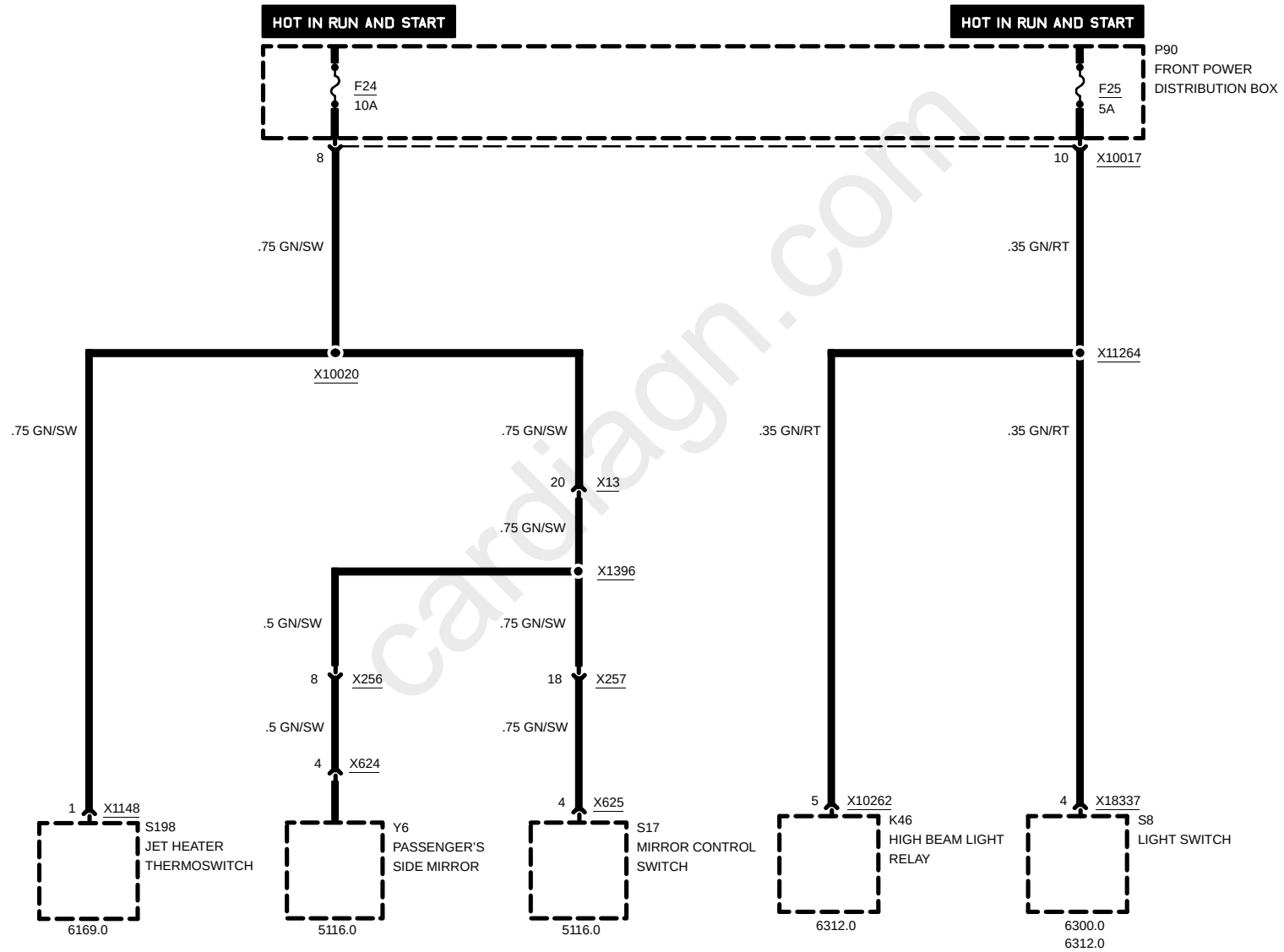
# FUSE DETAILS

## FUSE 23



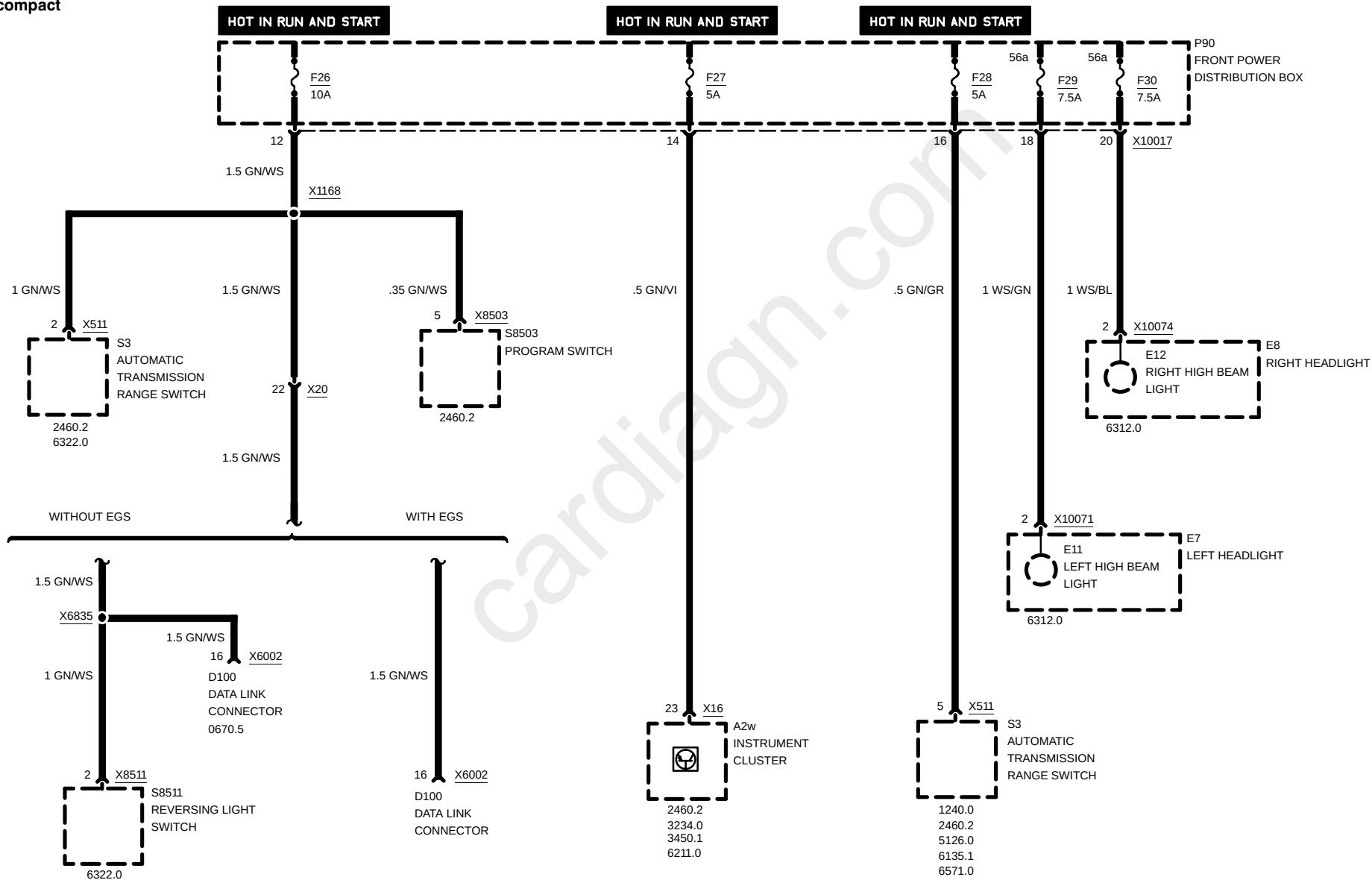
## FUSE DETAILS

### FUSES 24 AND 25



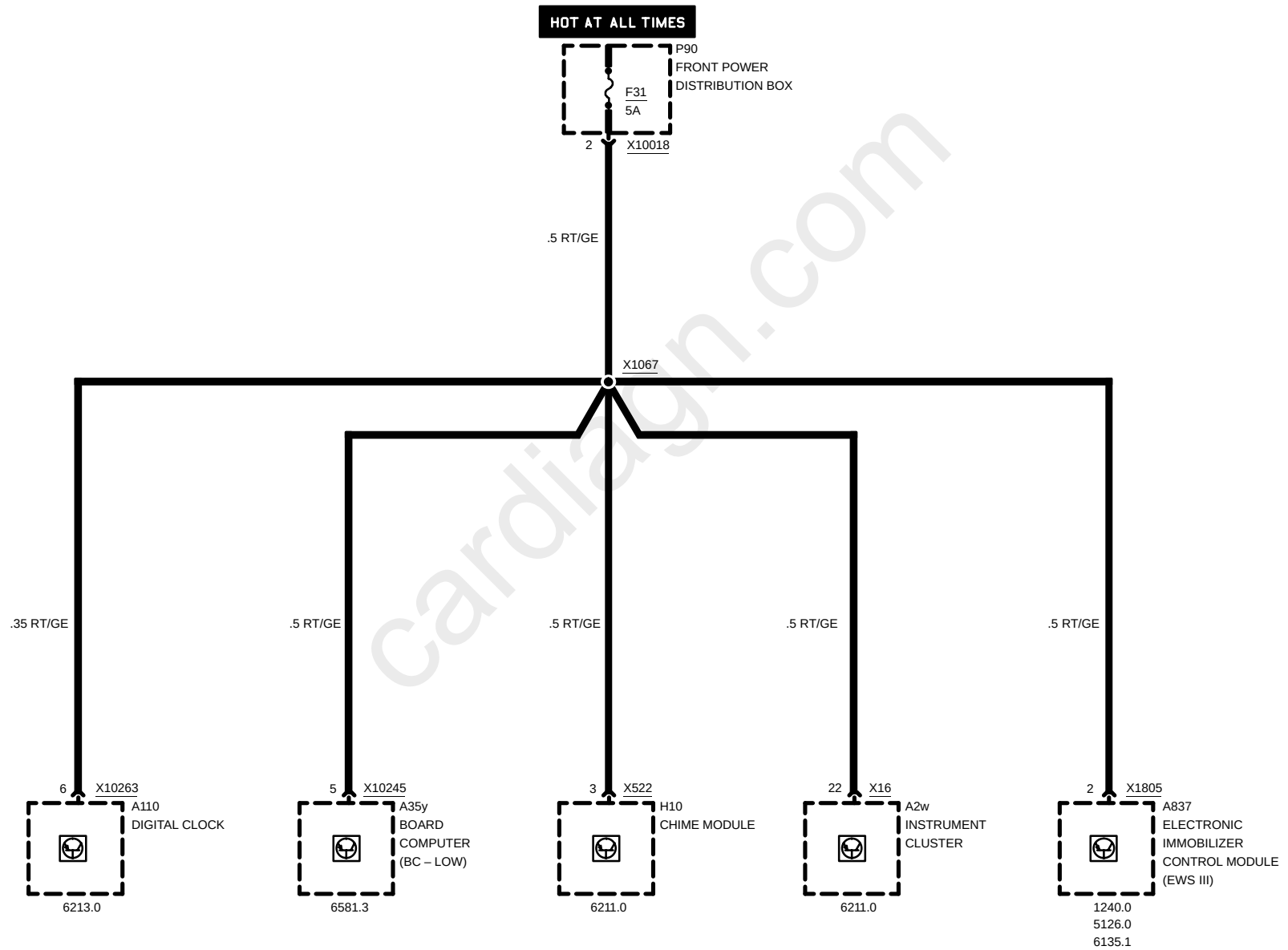


## FUSES 26, 27, 28, 29, AND 30



## FUSE DETAILS

### FUSE 31





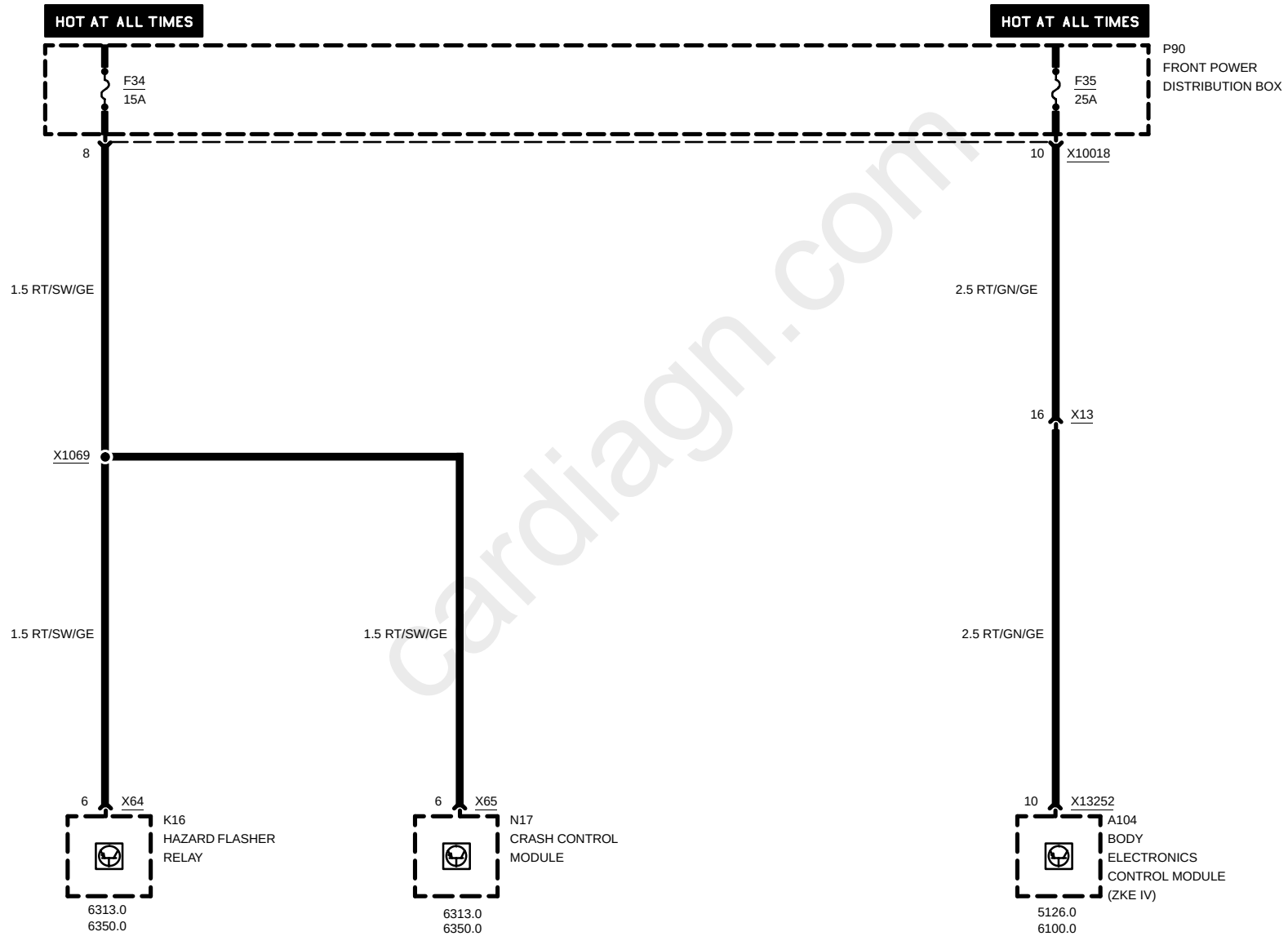
## FUSES 32 AND 33



**0670.3-11**

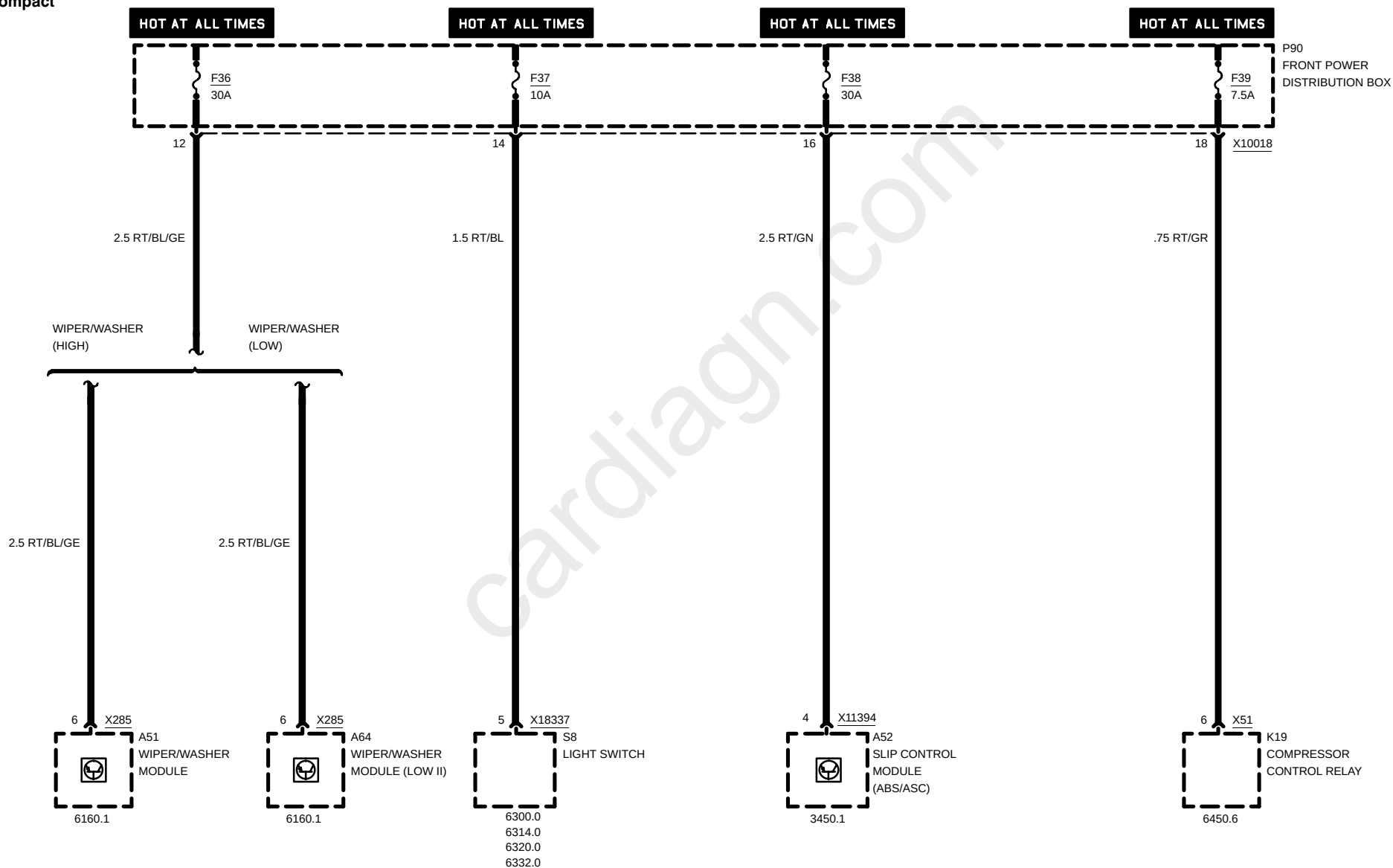
## FUSE DETAILS

### FUSES 34 AND 35



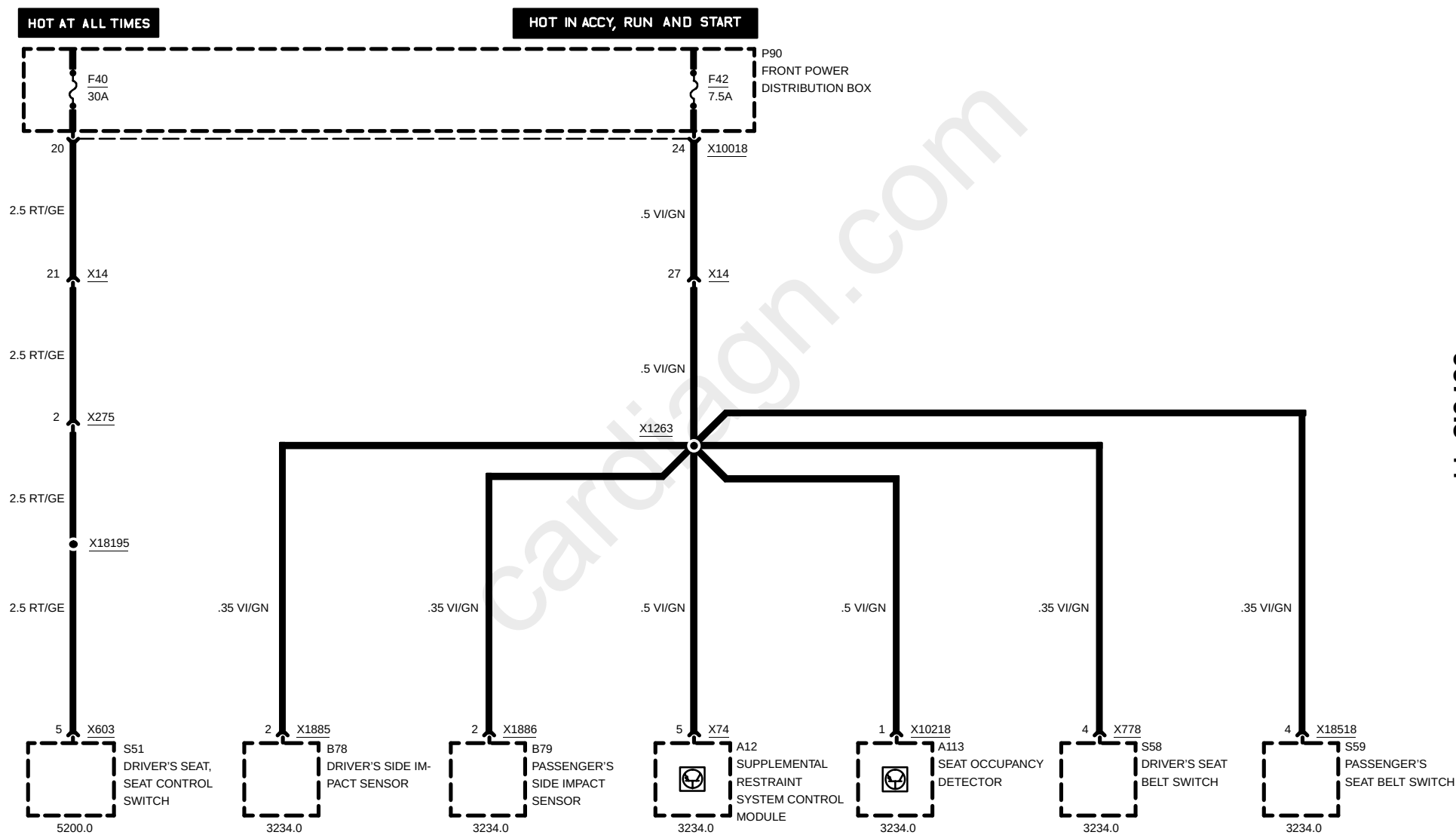
# FUSE DETAILS

## FUSES 36, 37, 38, AND 39



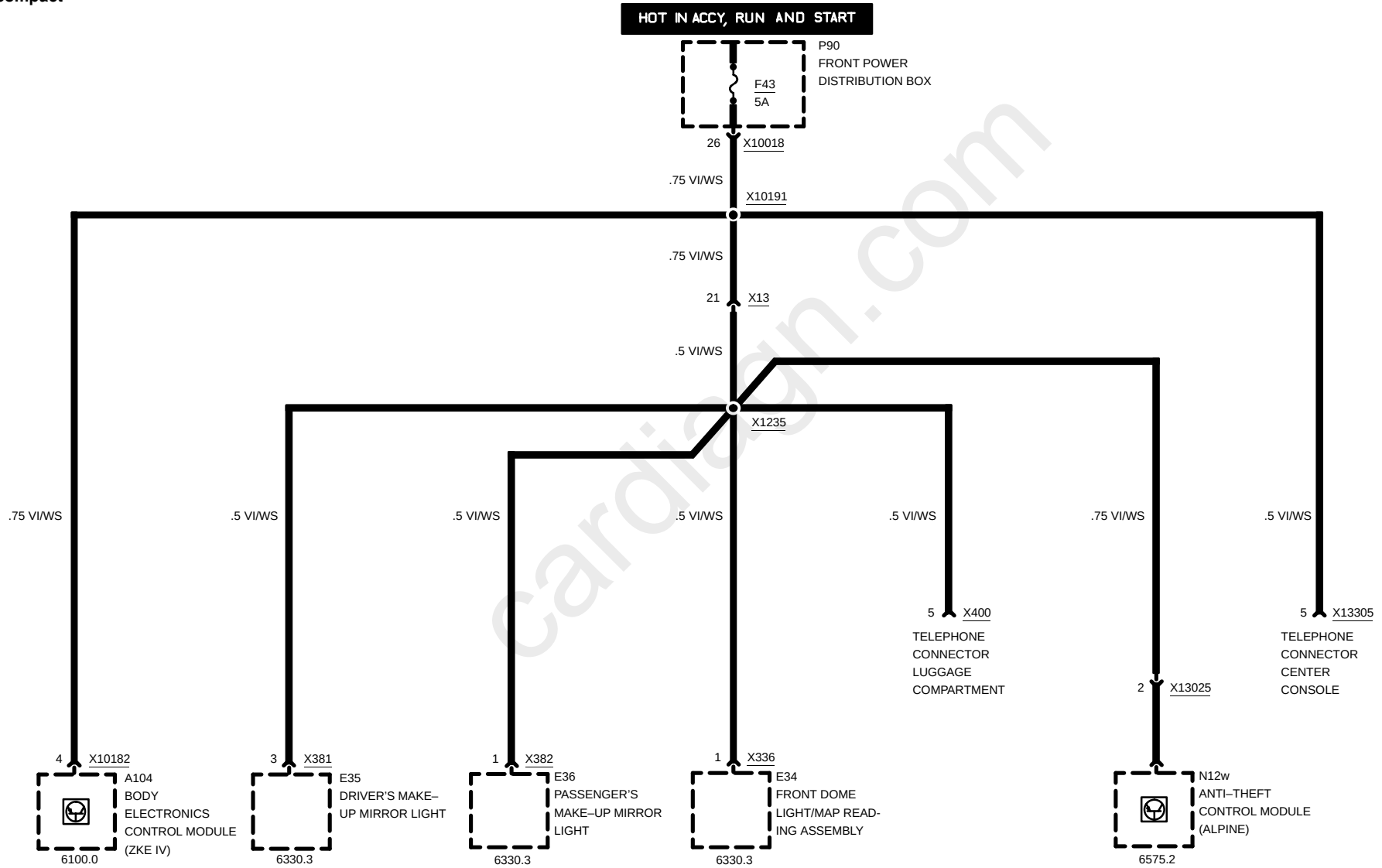
# FUSE DETAILS

## FUSES 40 AND 42



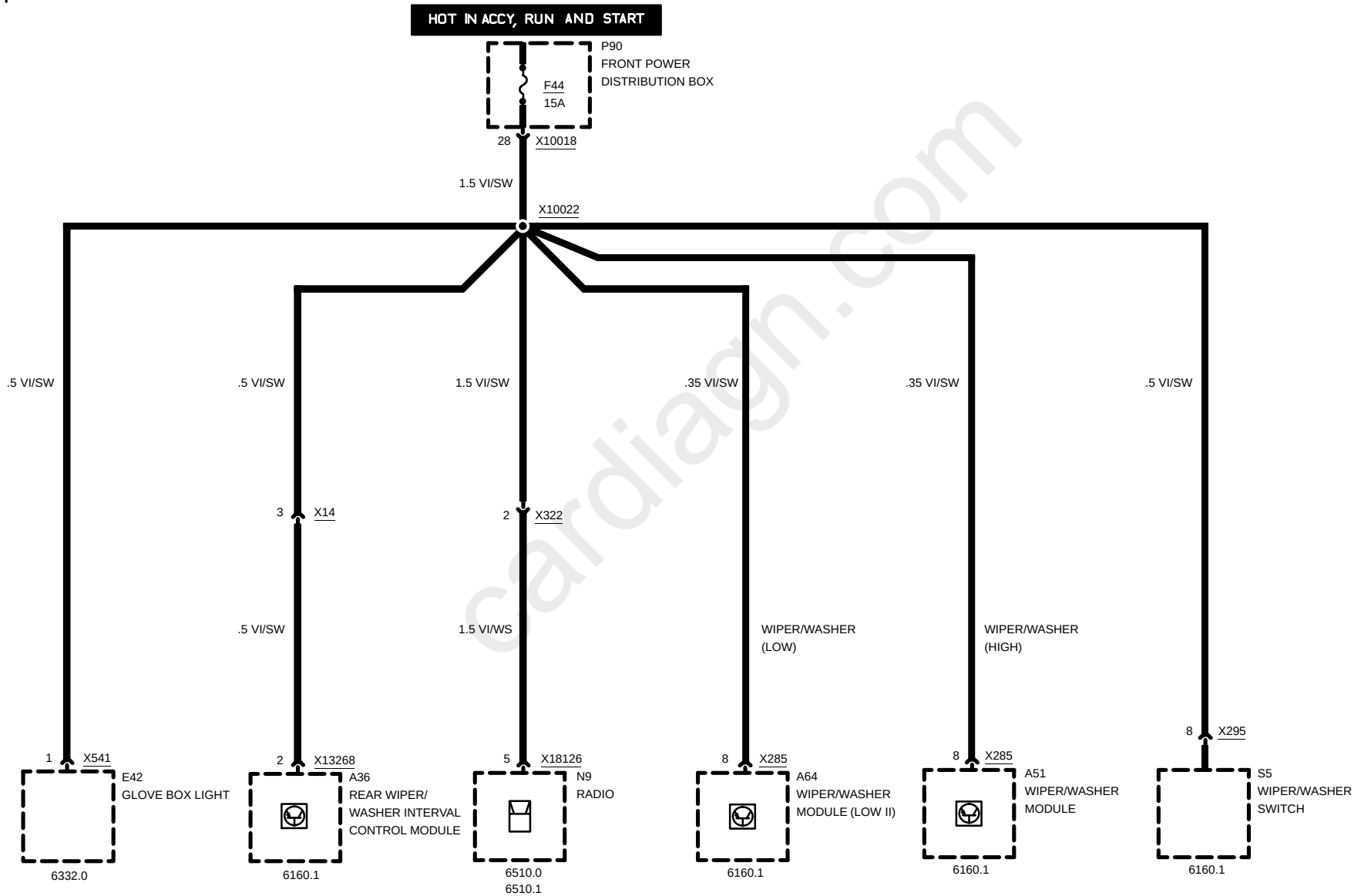
## FUSE DETAILS

### FUSE 43



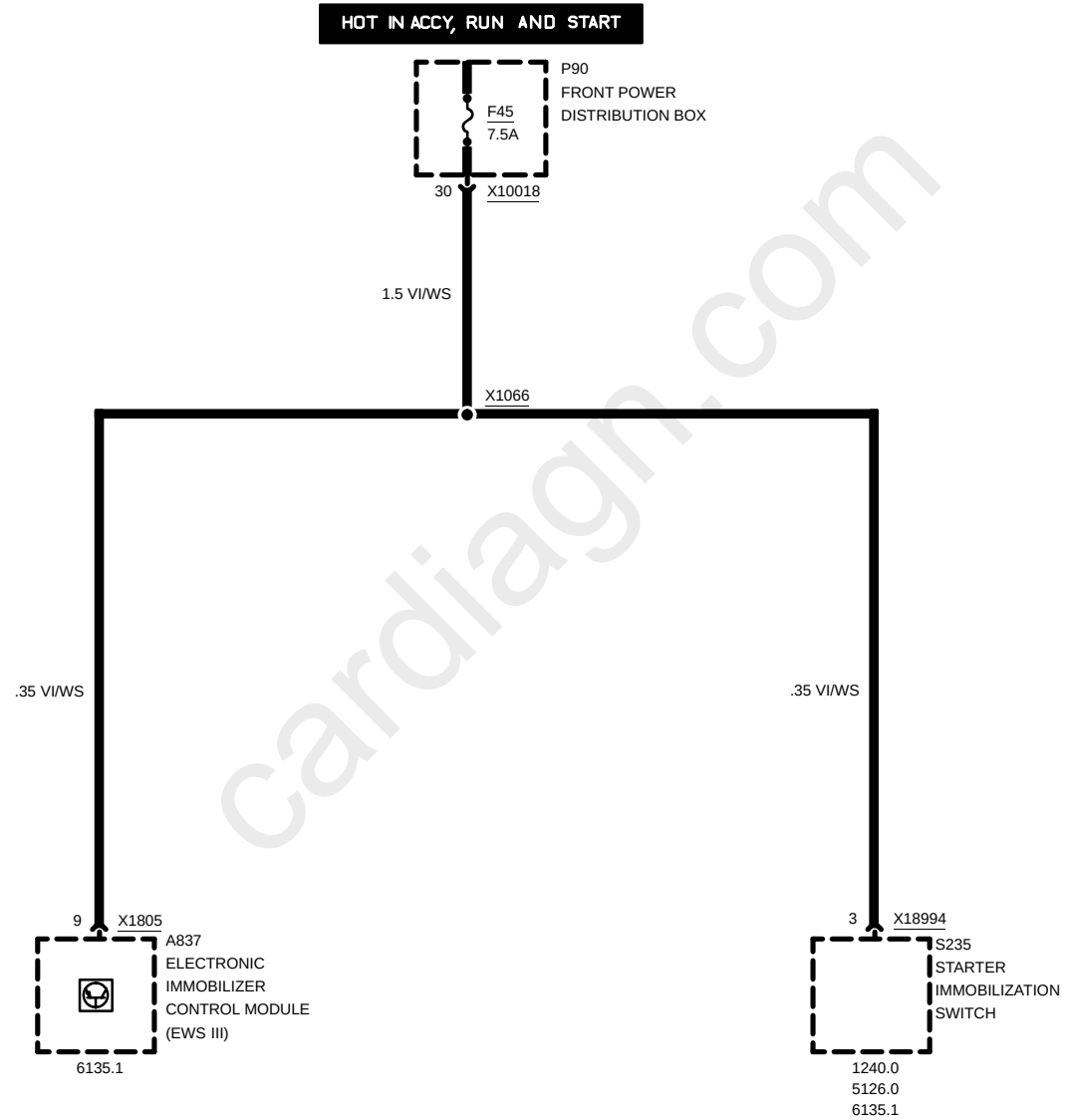
## FUSE DETAILS

### FUSE 44



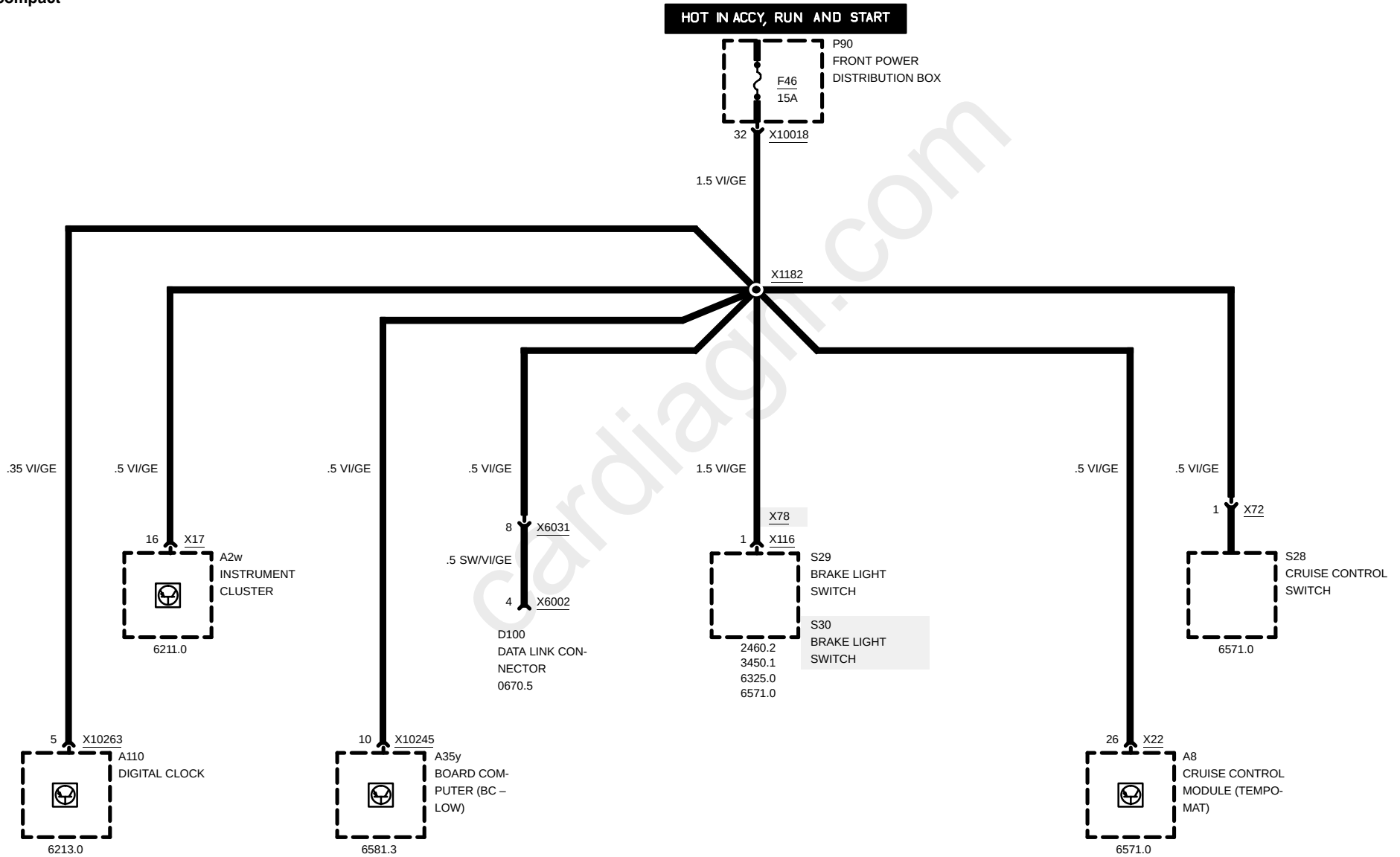
## FUSE DETAILS

### FUSE 45



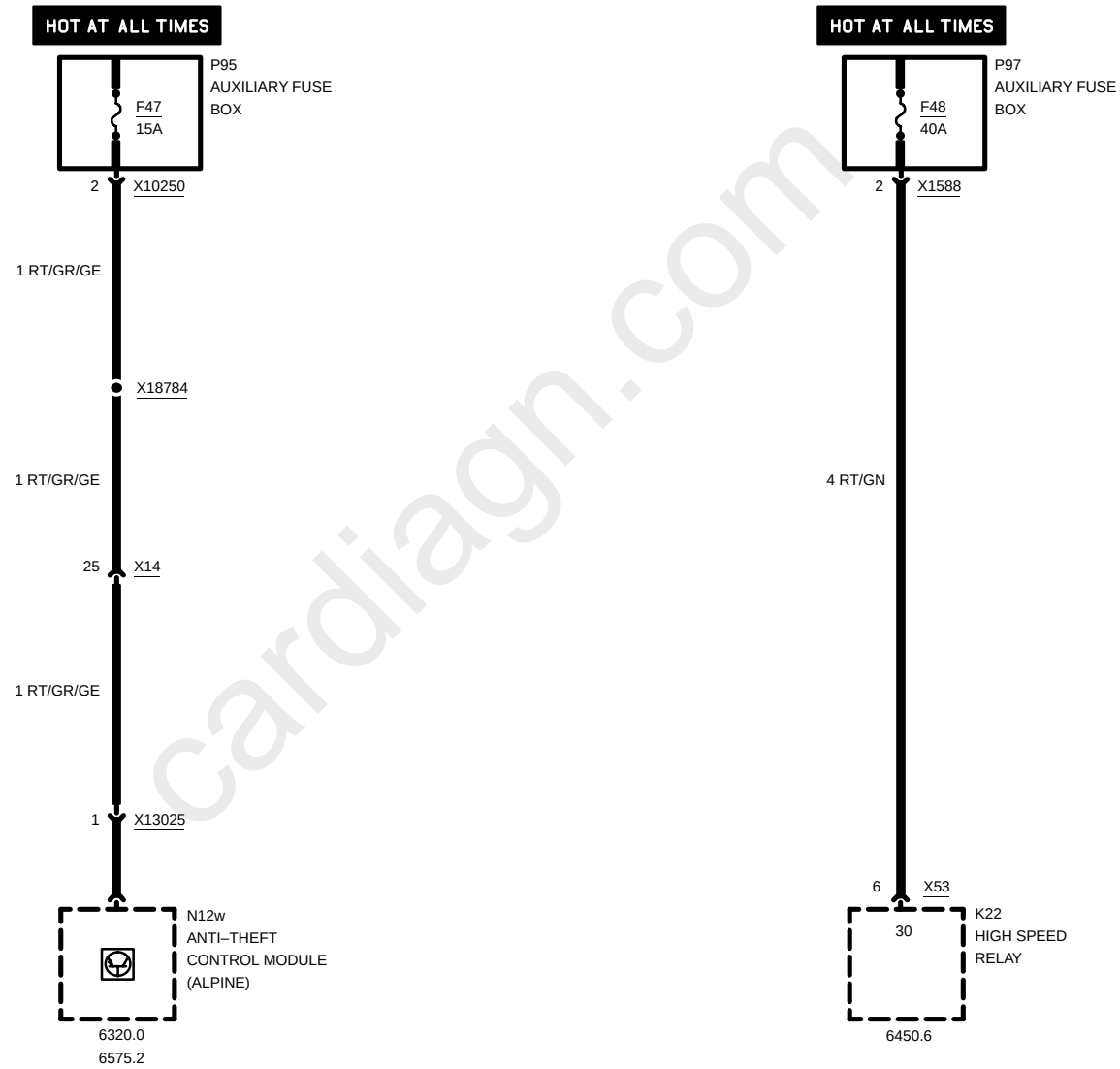
## FUSE DETAILS

### FUSE 46



## FUSE DETAILS

### FUSES 47 AND 48

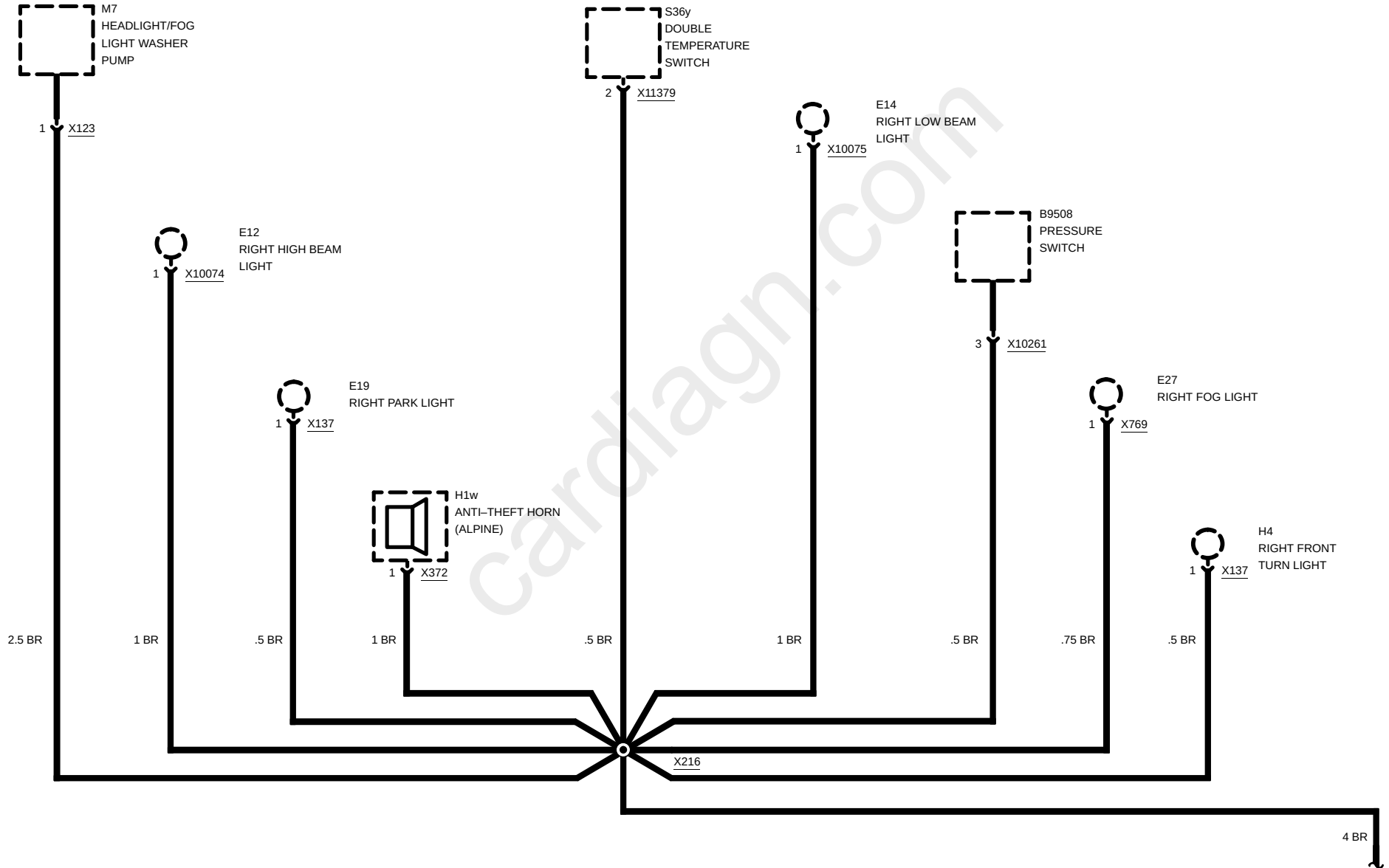


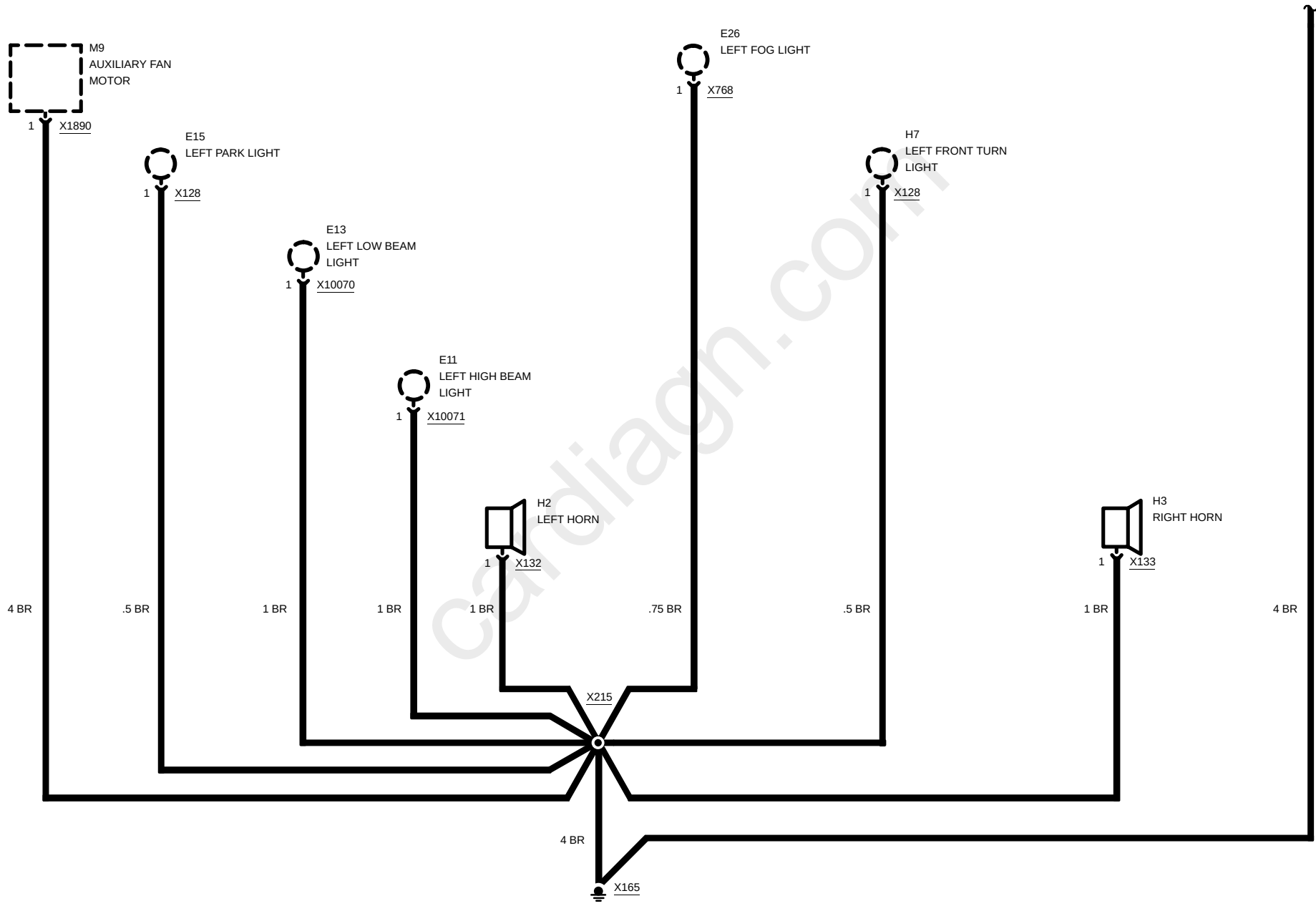


# 0670.4 GROUND DISTRIBUTION

## GROUND X165

compact

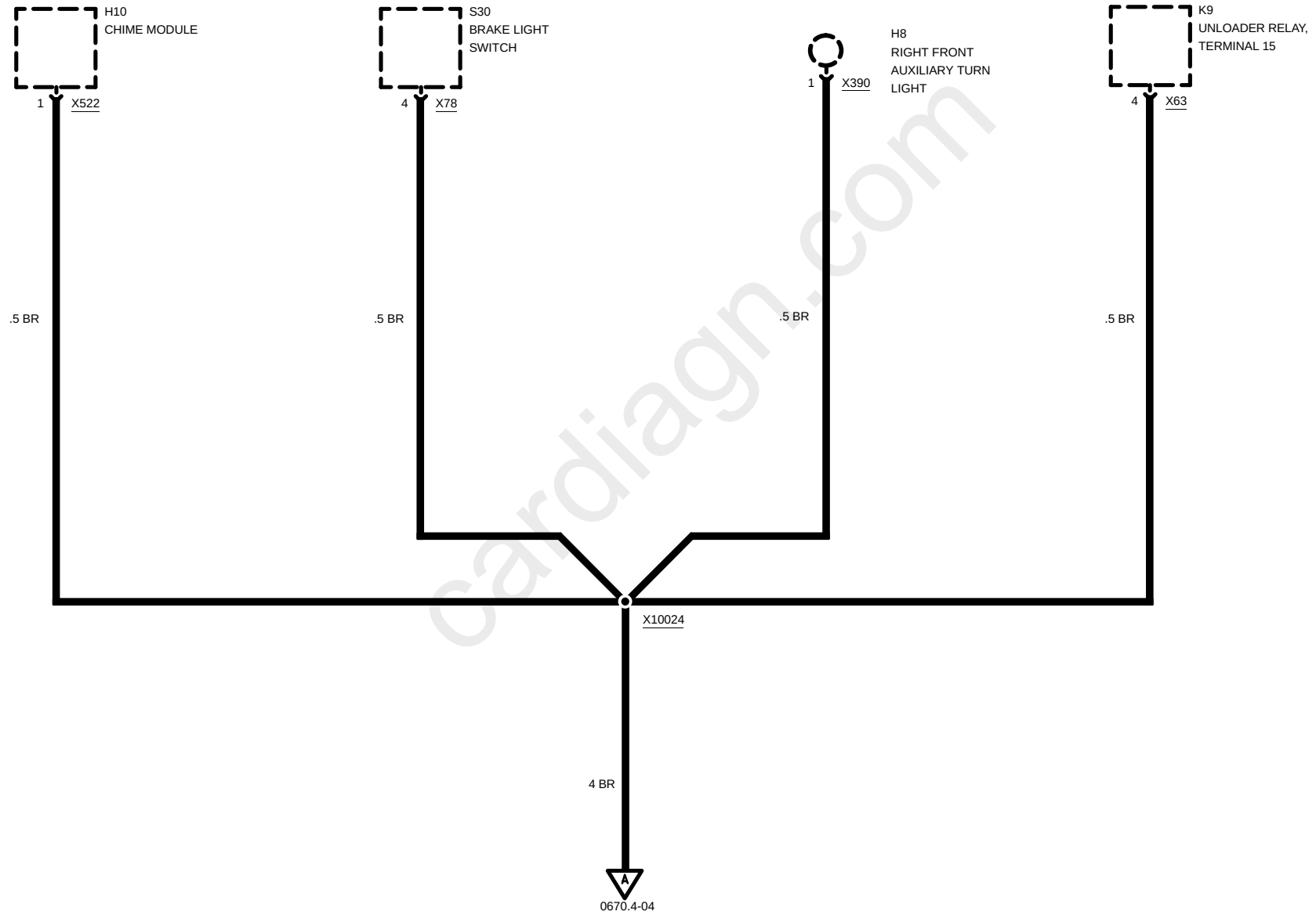






# GROUND DISTRIBUTION

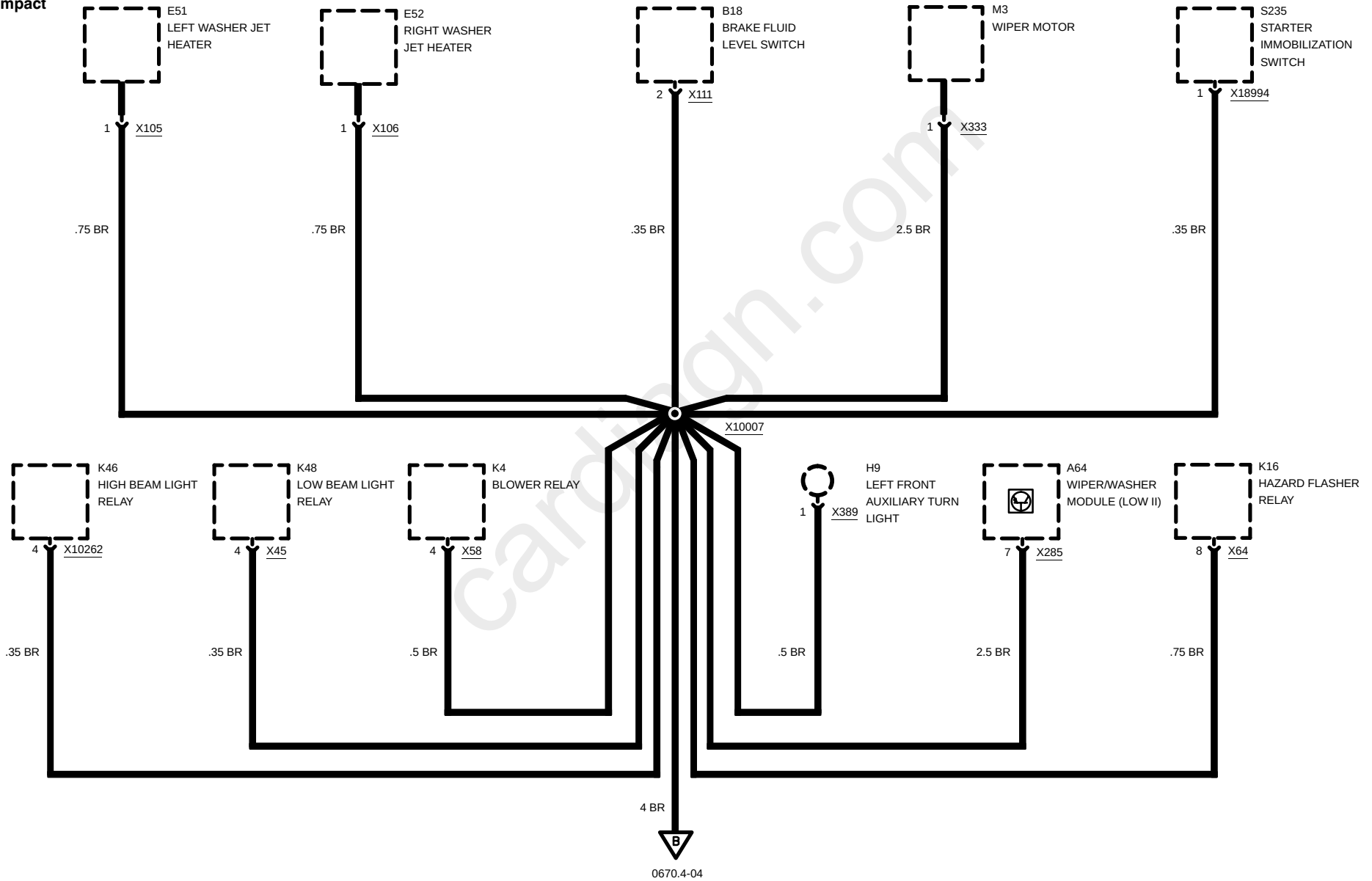
## GROUND X173





## GROUND DISTRIBUTION

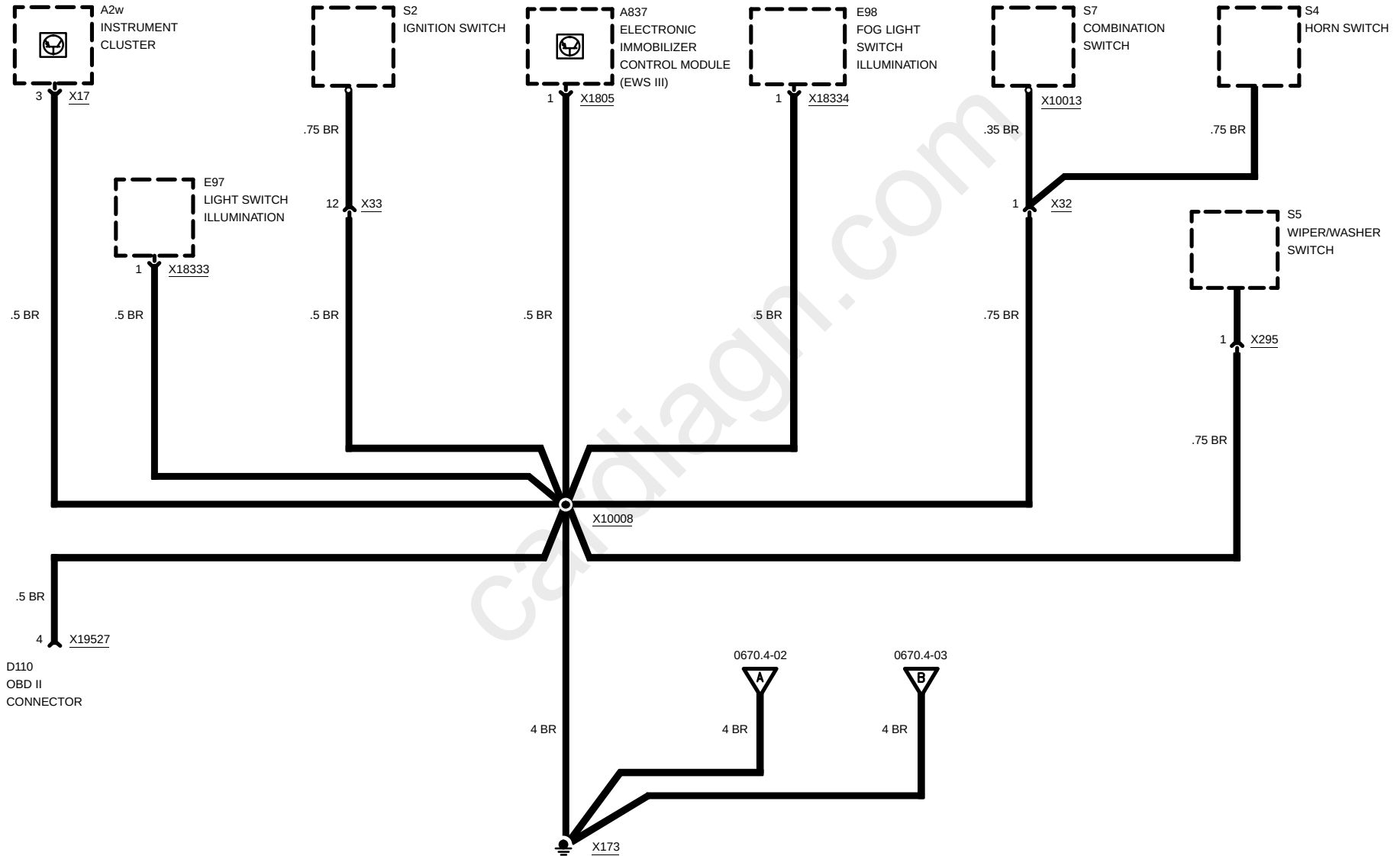
### GROUND X173





## GROUND DISTRIBUTION

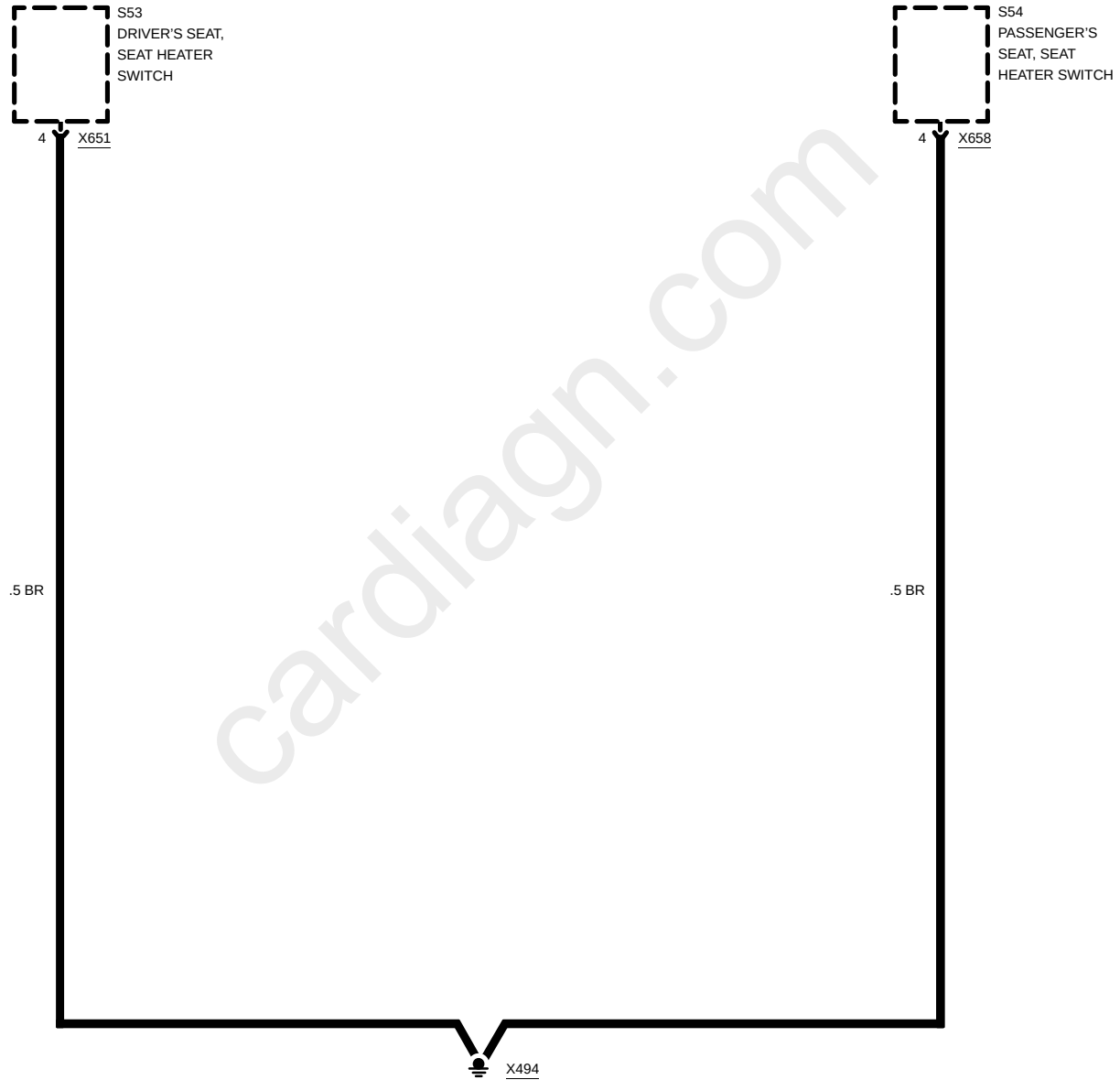
### GROUND X173





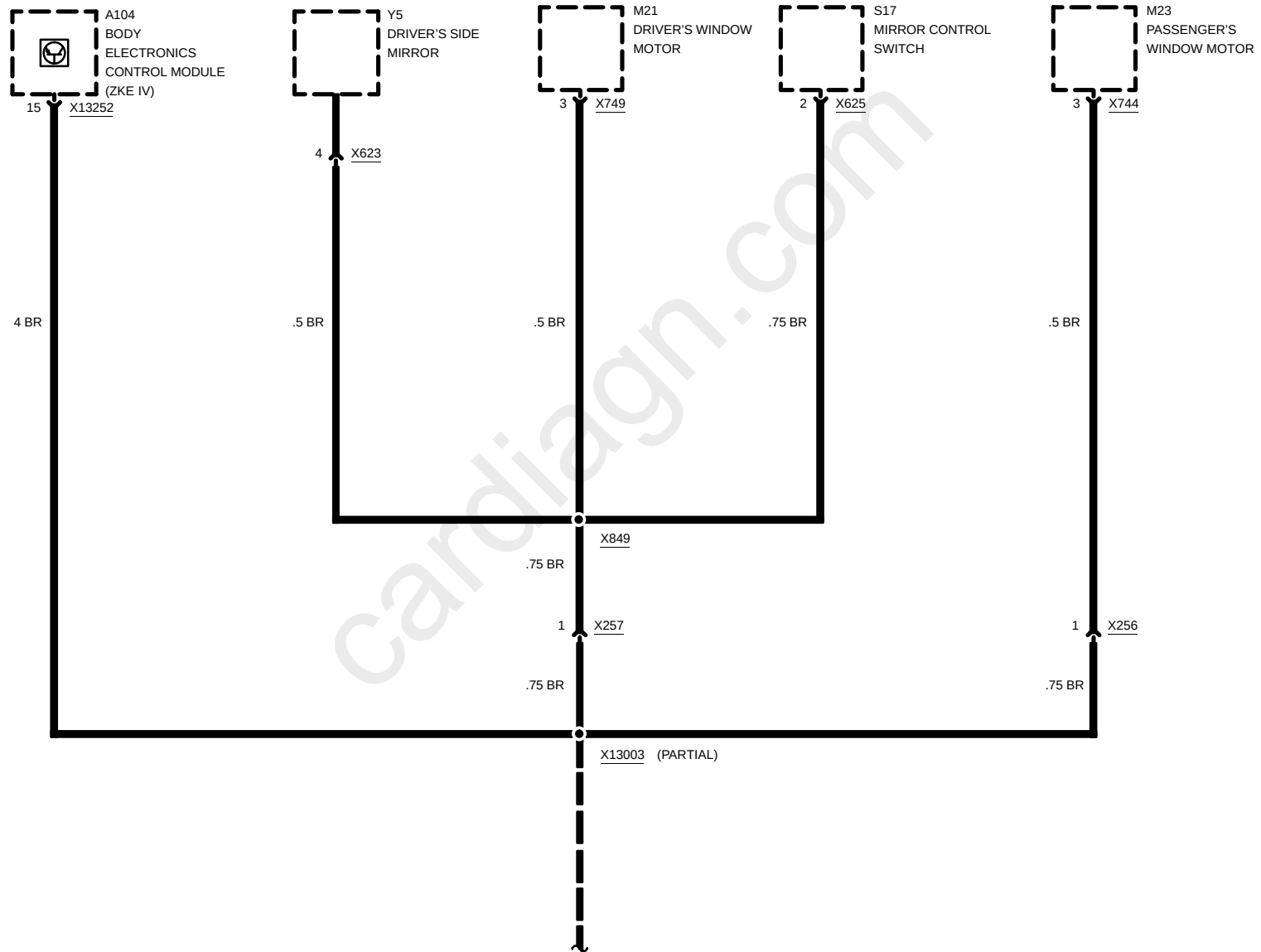
# GROUND DISTRIBUTION

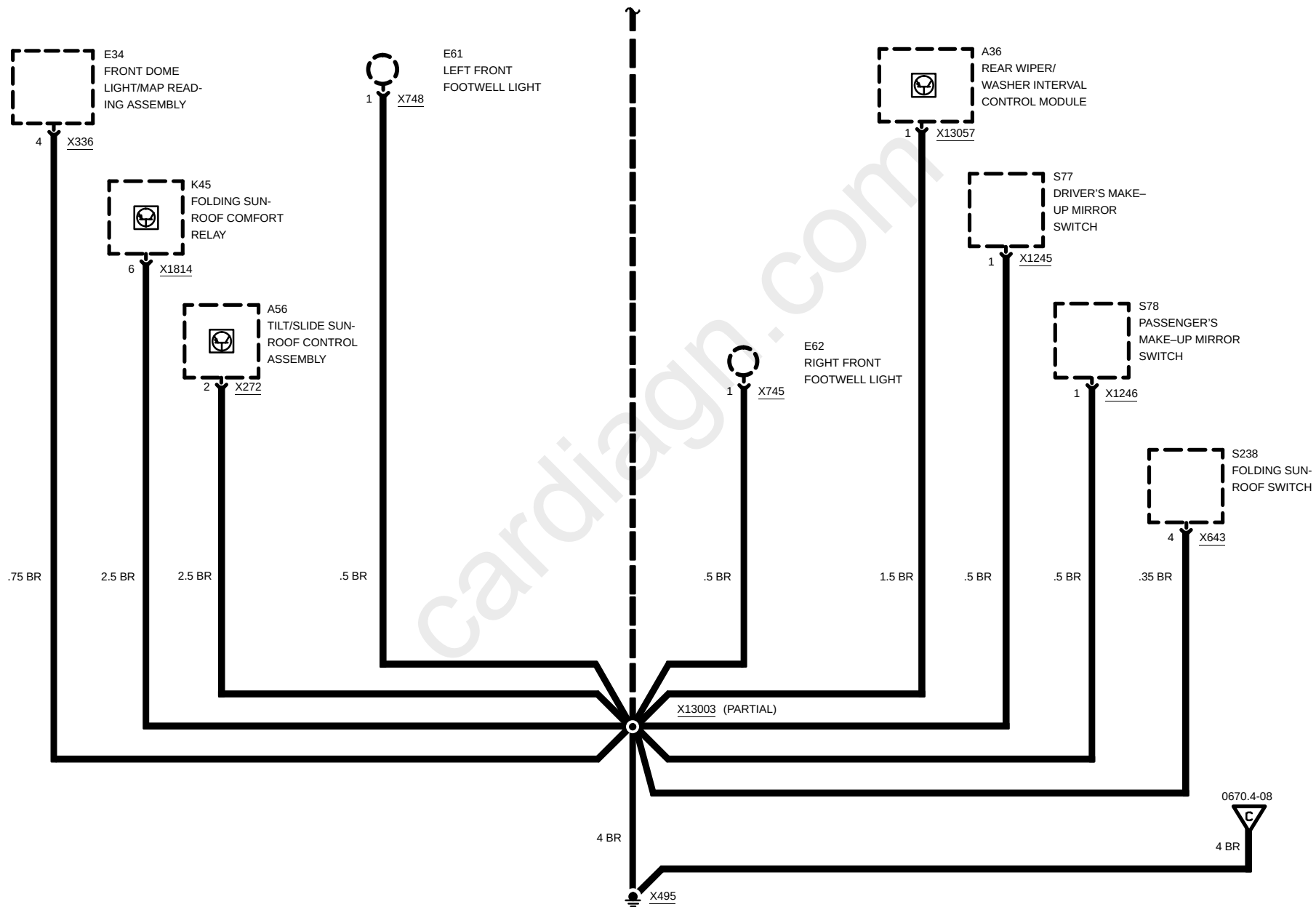
## GROUND X494



## GROUND DISTRIBUTION

### GROUND X495



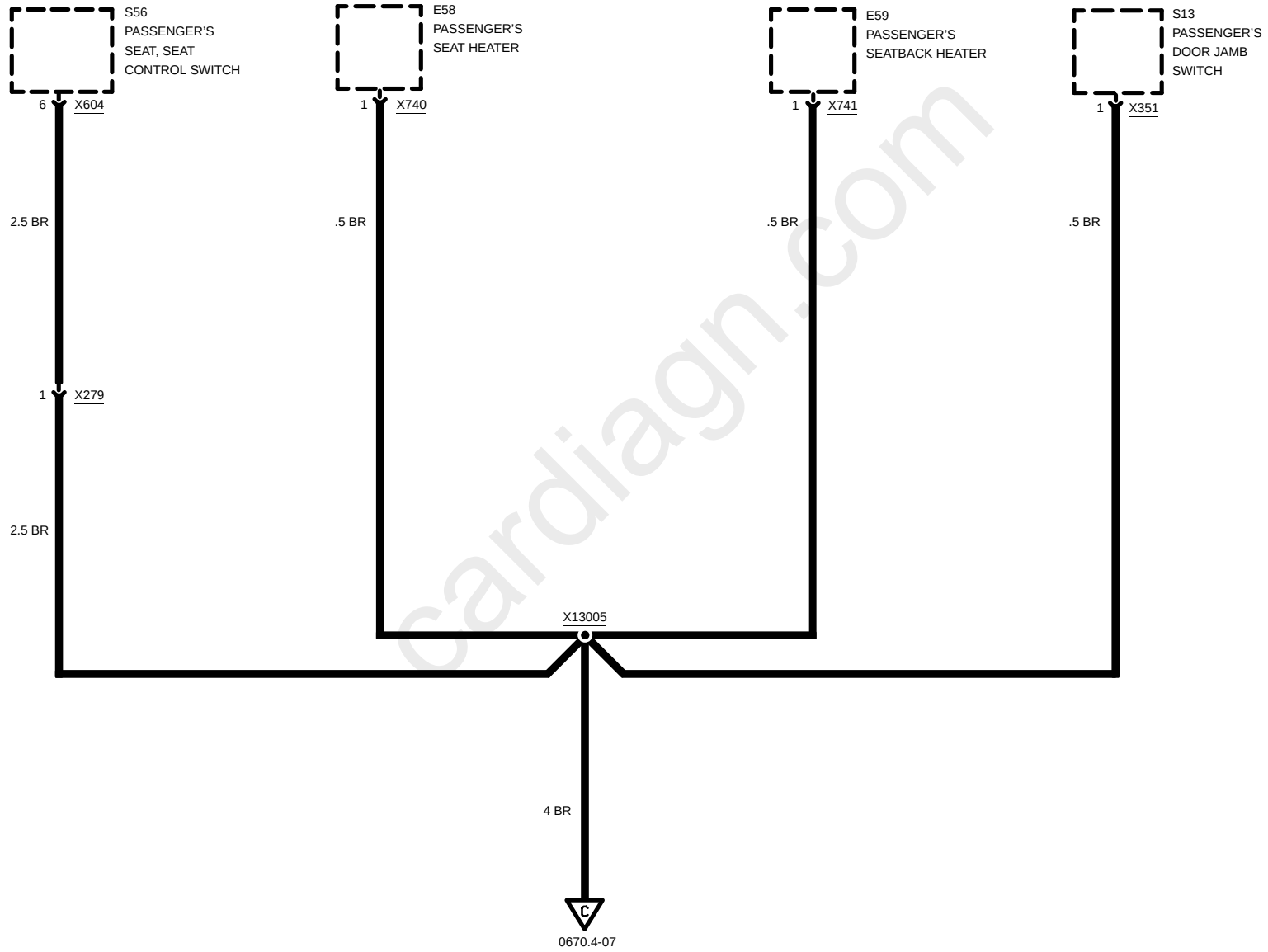




compact

## GROUND DISTRIBUTION

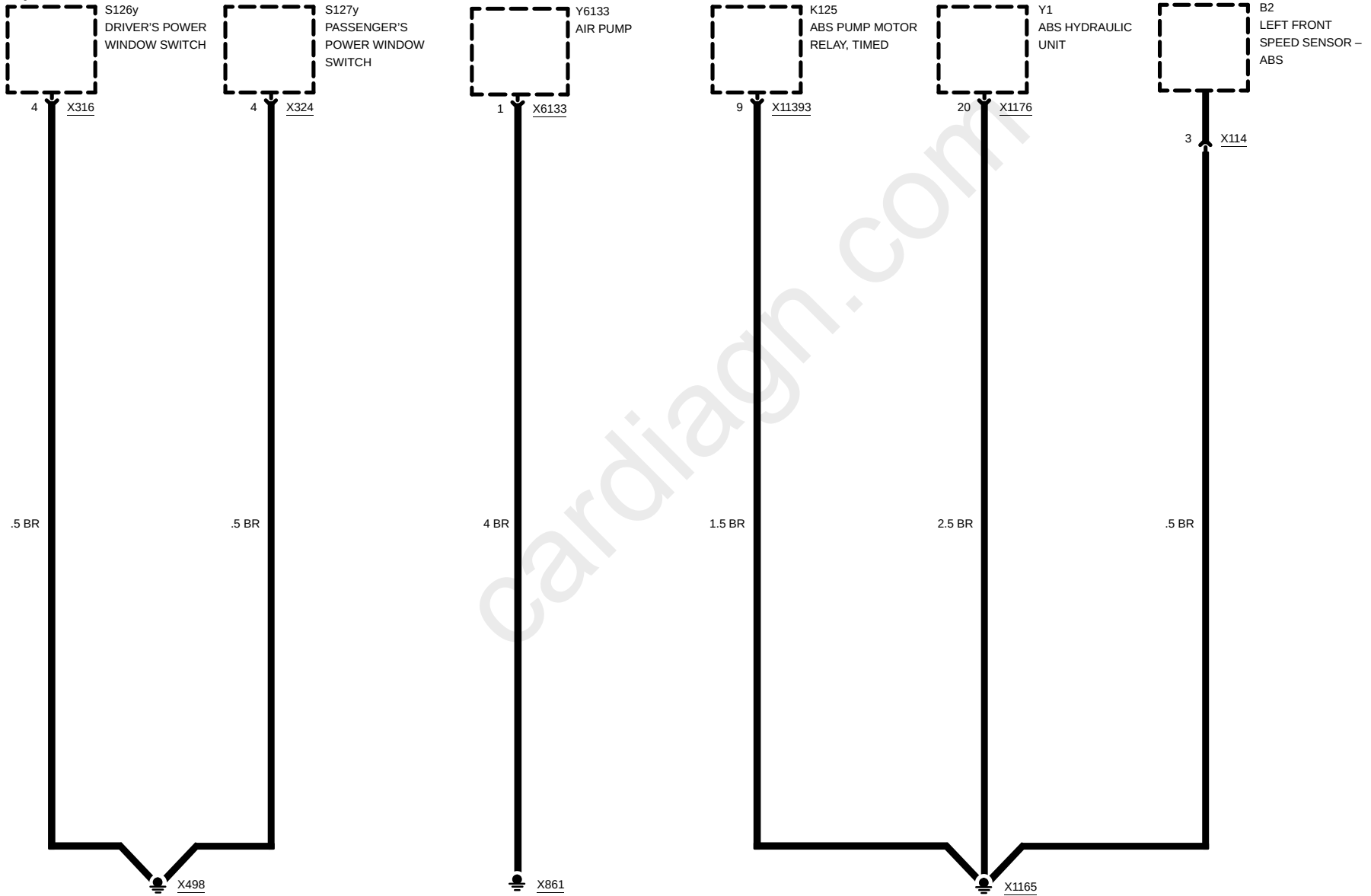
### GROUND X495





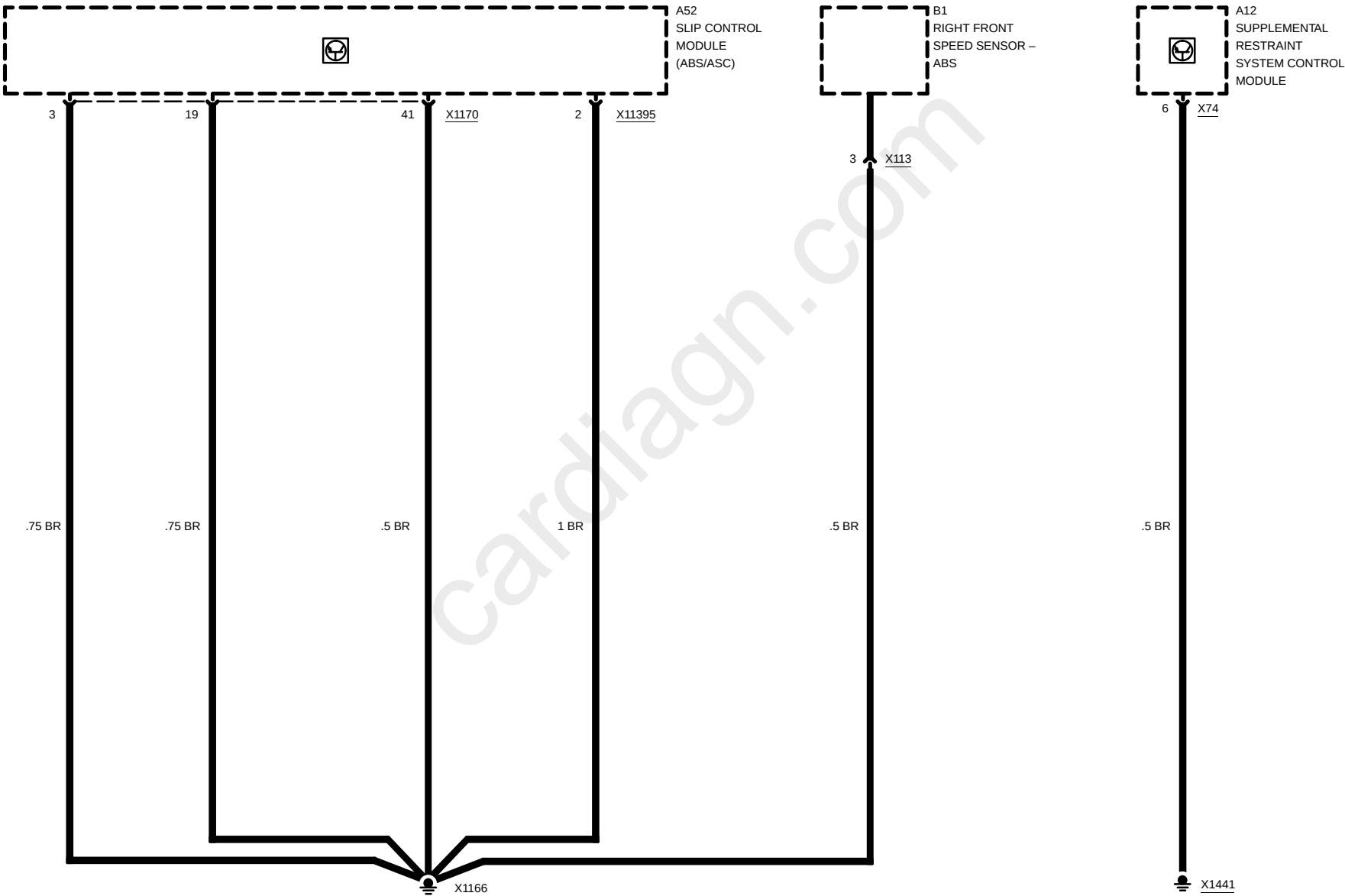
## GROUND DISTRIBUTION

### GROUNDS X498, X861, AND X1165



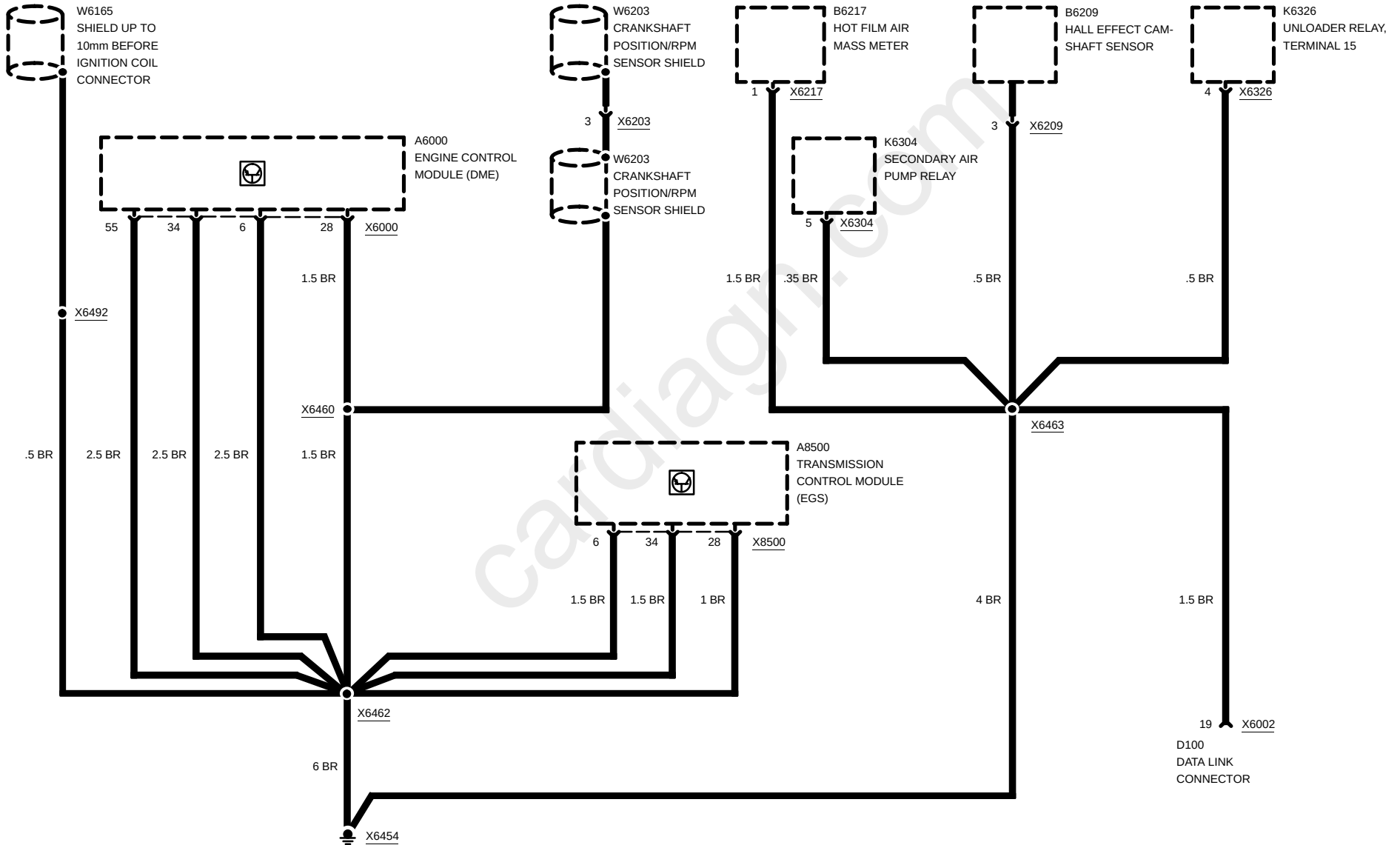


**GROUND DISTRIBUTION**  
**GROUPS X1166 AND X1441**



# GROUND DISTRIBUTION

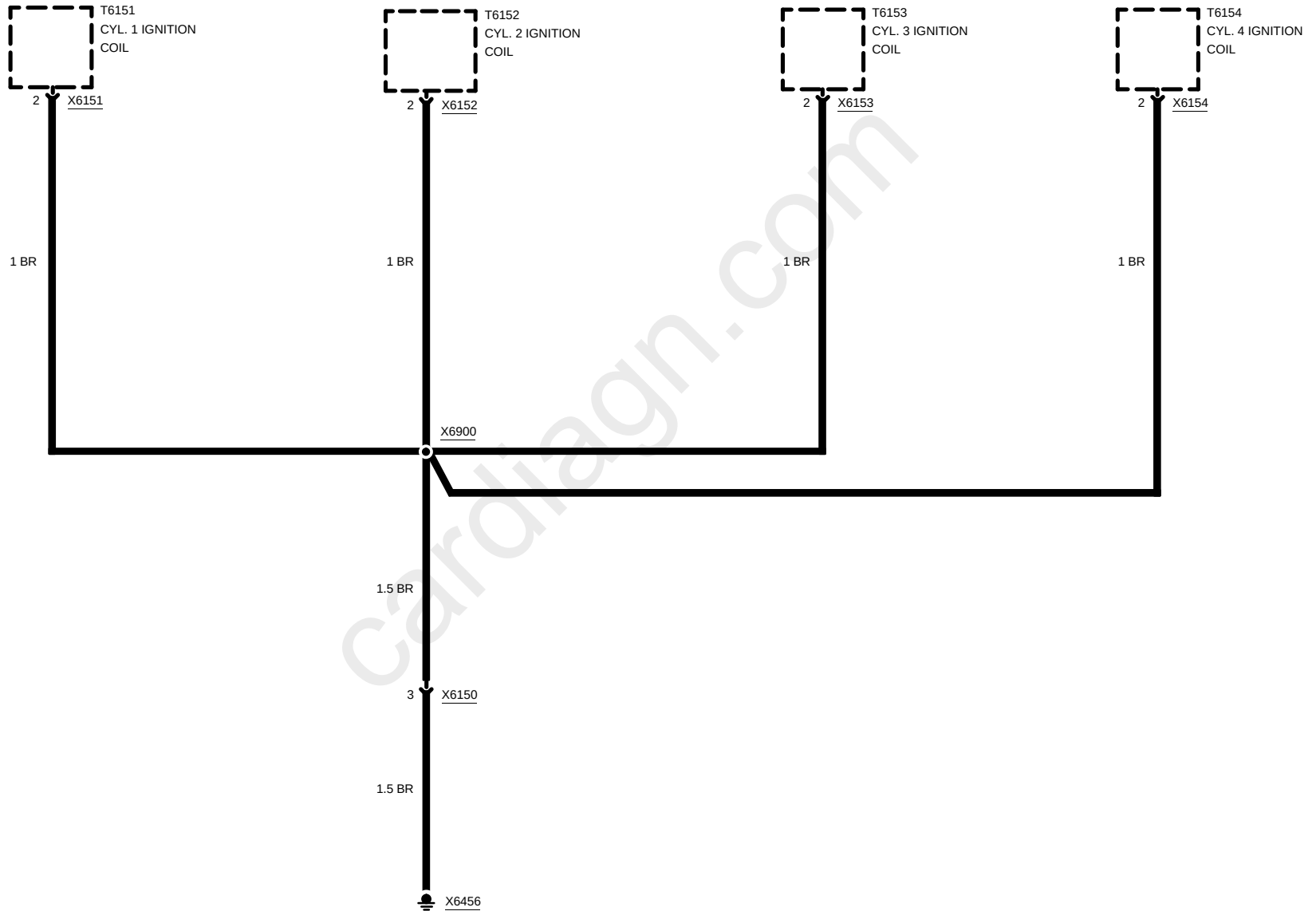
## GROUND X6454





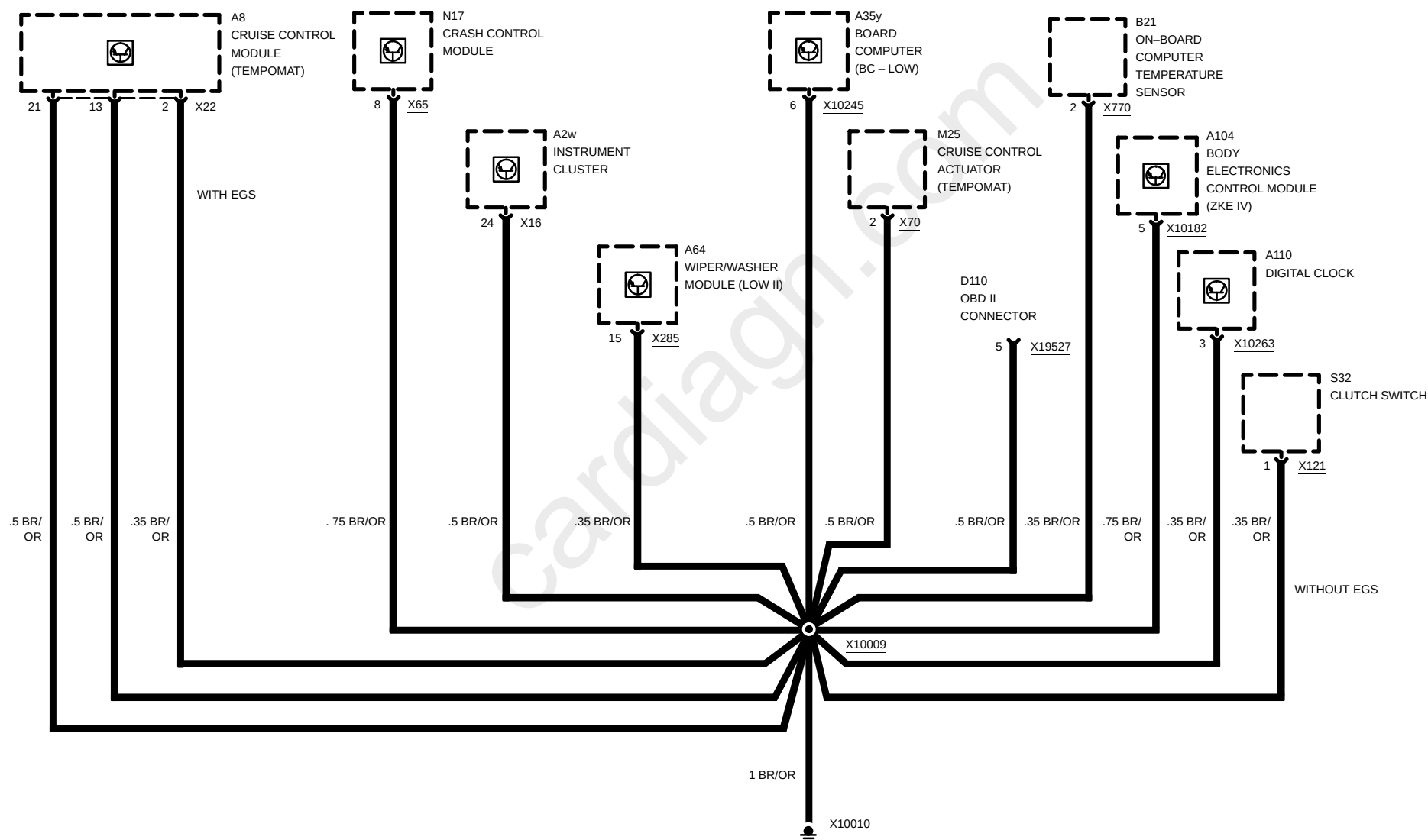
## GROUND DISTRIBUTION

### GROUND X6456



# GROUND DISTRIBUTION

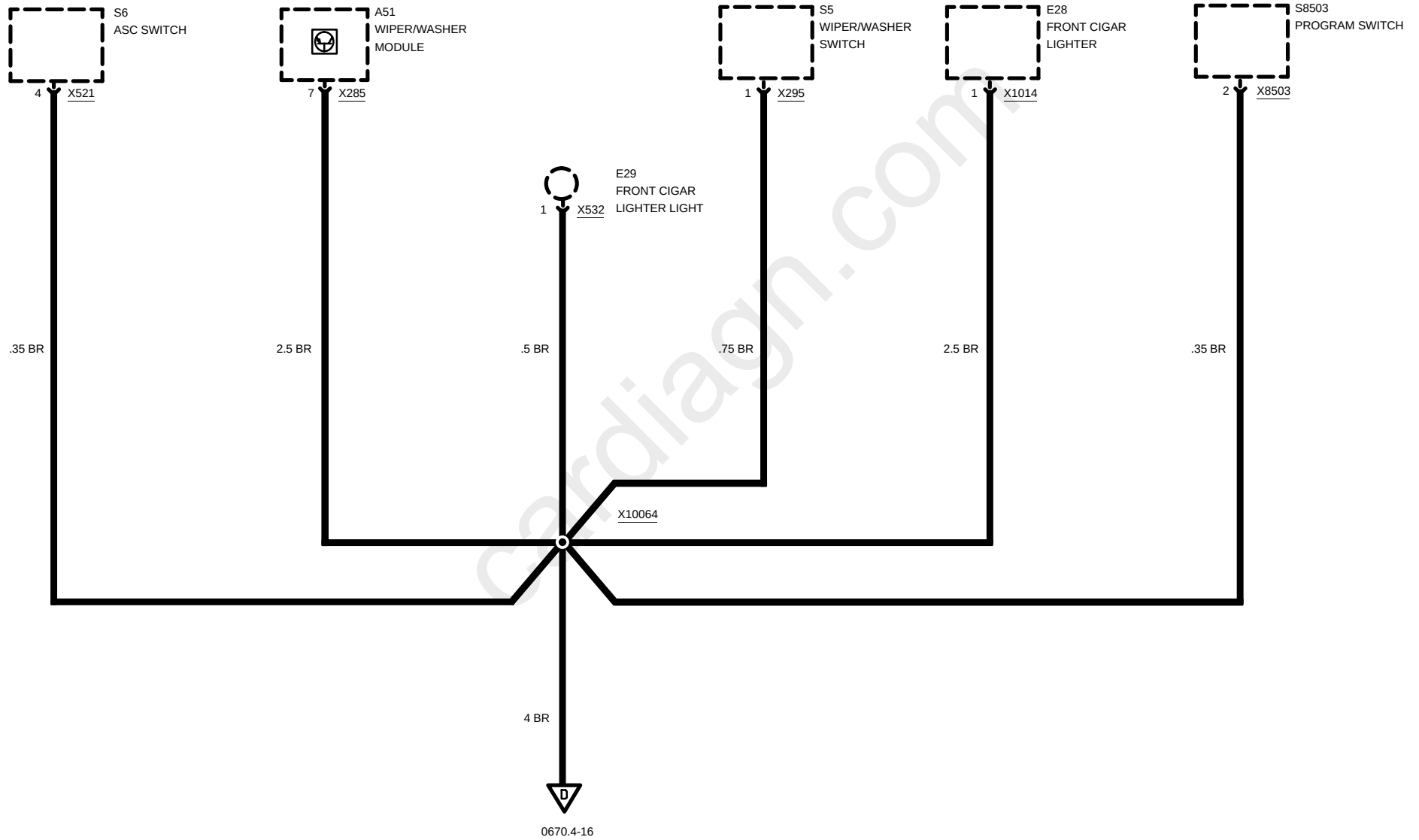
## GROUND X10010





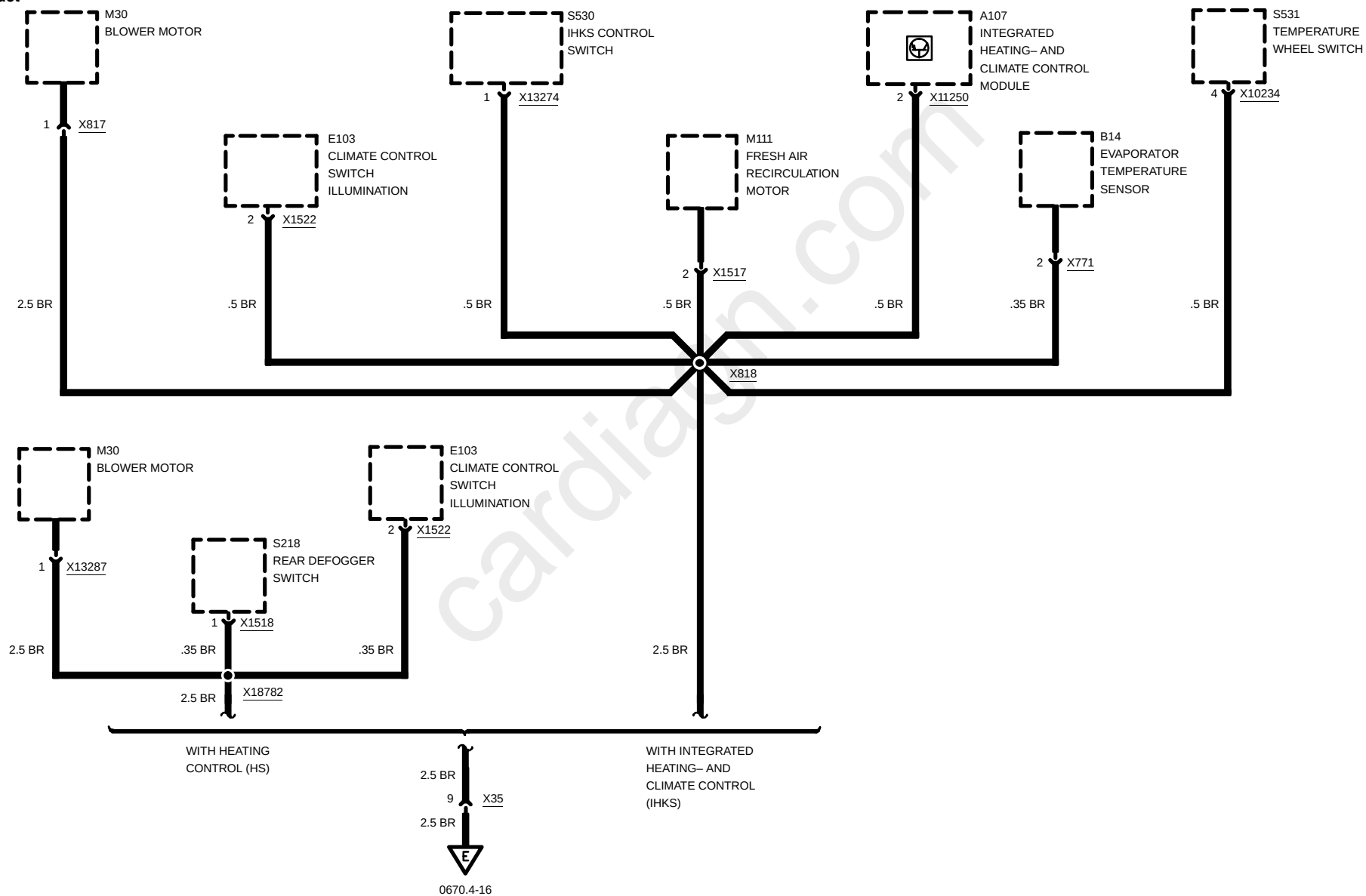
# GROUND DISTRIBUTION

## GROUND X10012



# GROUND DISTRIBUTION

## GROUND X10012





# GROUND DISTRIBUTION

## GROUND X10012

compact



S37  
GLOVE BOX LIGHT  
SWITCH

0670.4-15

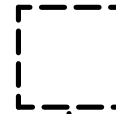


S18  
HAZARD SWITCH

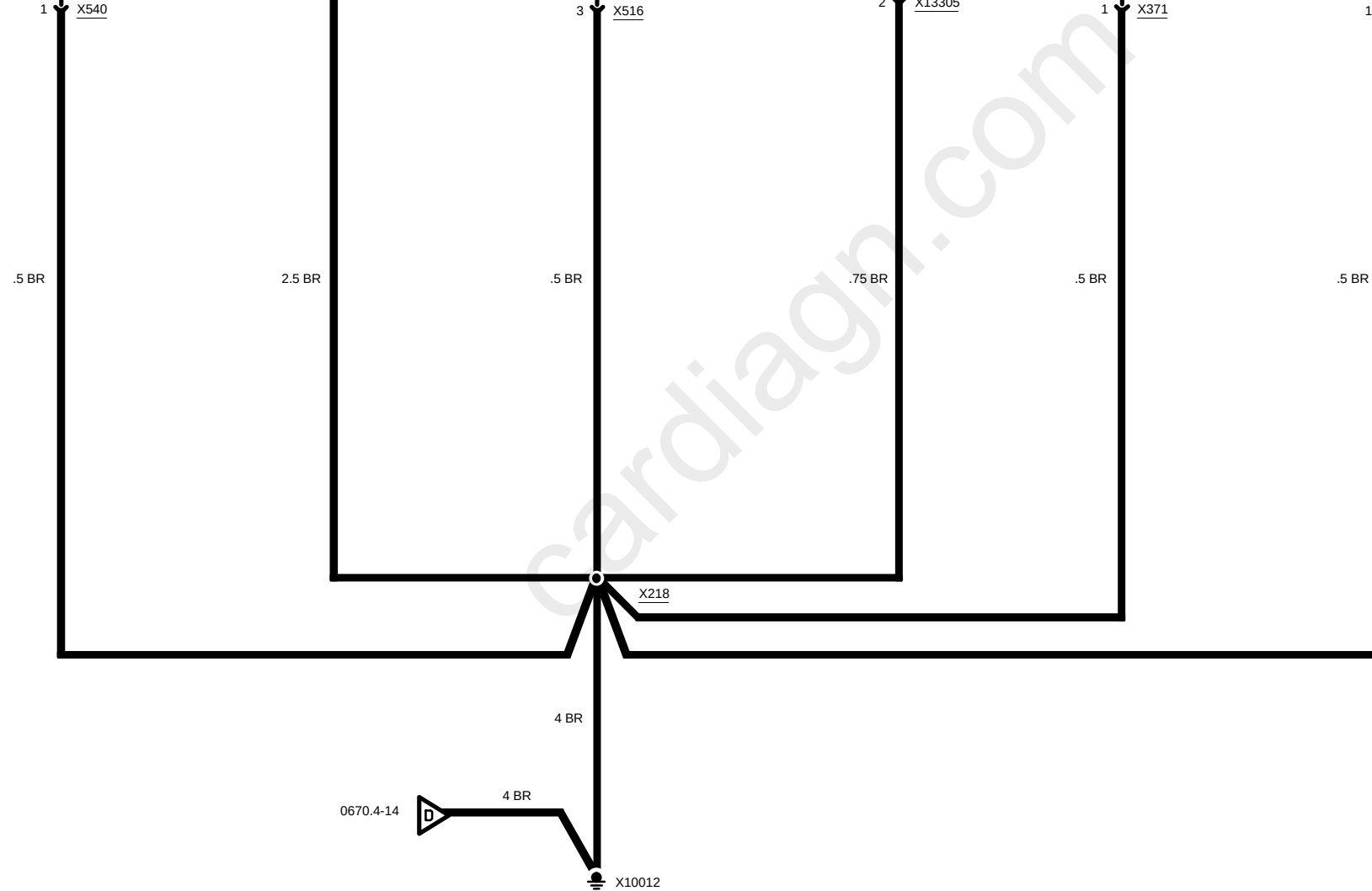
TELEPHONE  
CONNECTOR  
CENTER CONSOLE



S21w  
ENGINE HOOD  
SWITCH

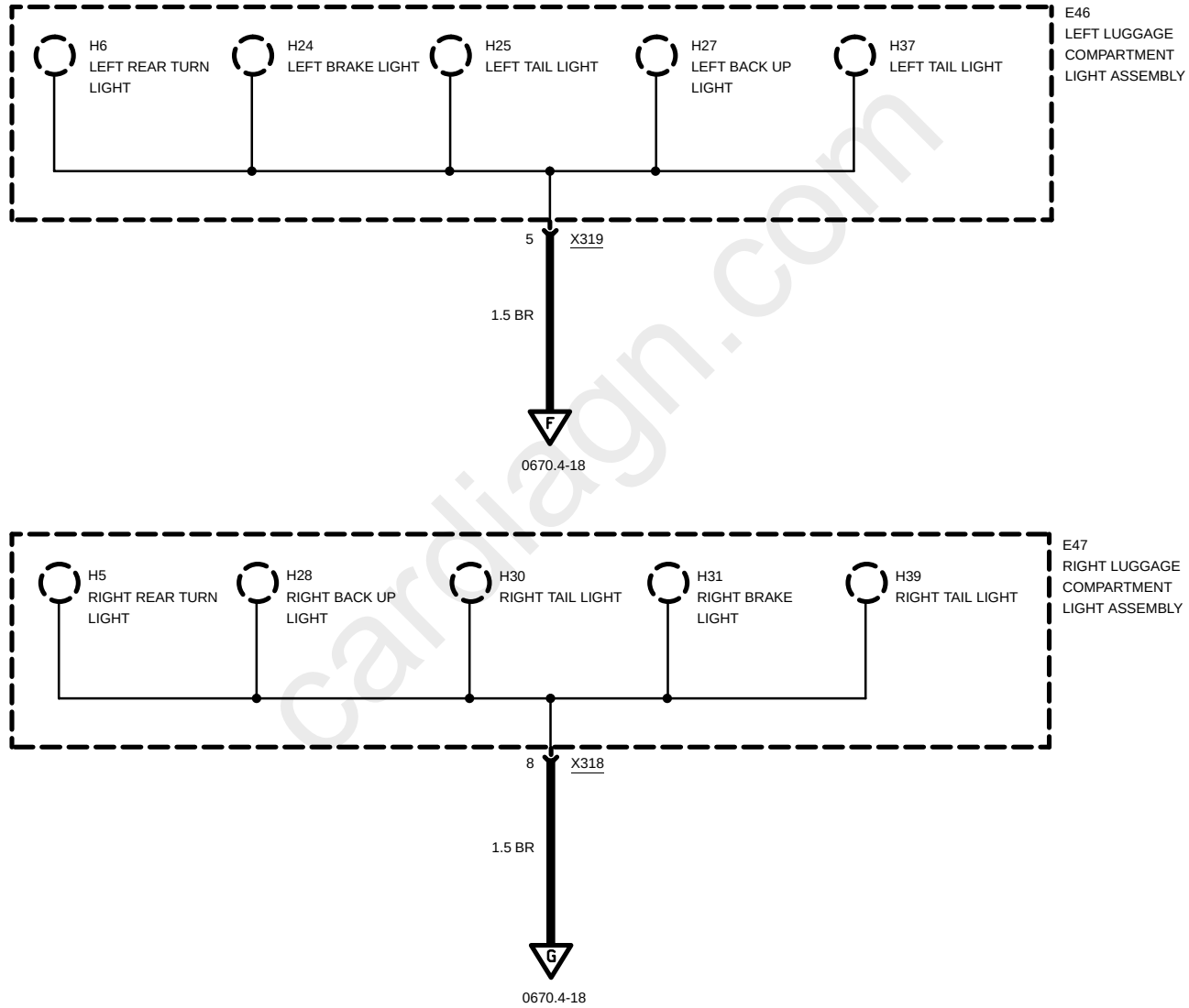


E82  
TRANSMISSION  
POSITION INDICA-  
TOR LIGHT



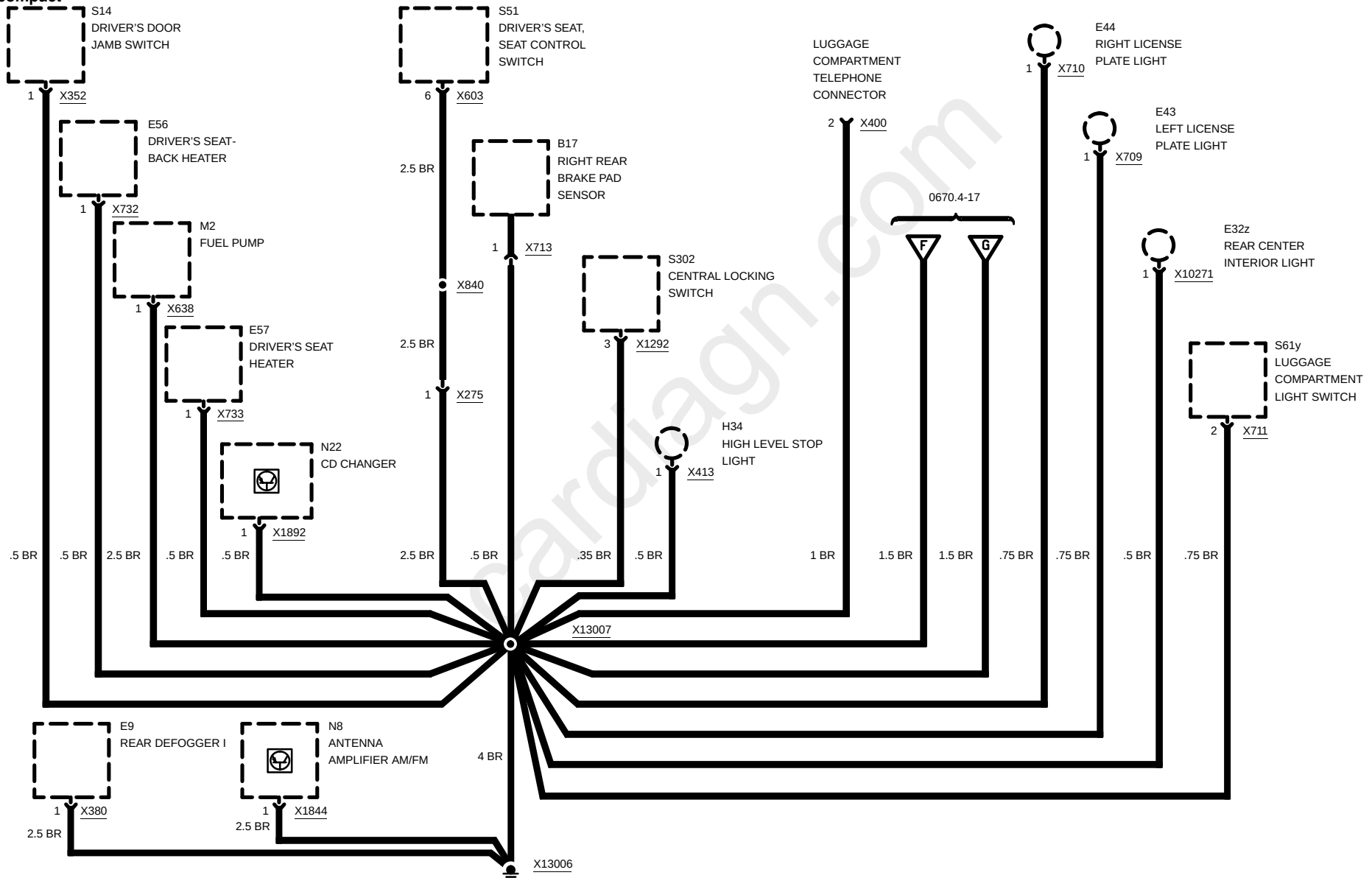
## GROUND DISTRIBUTION

GROUND X13006



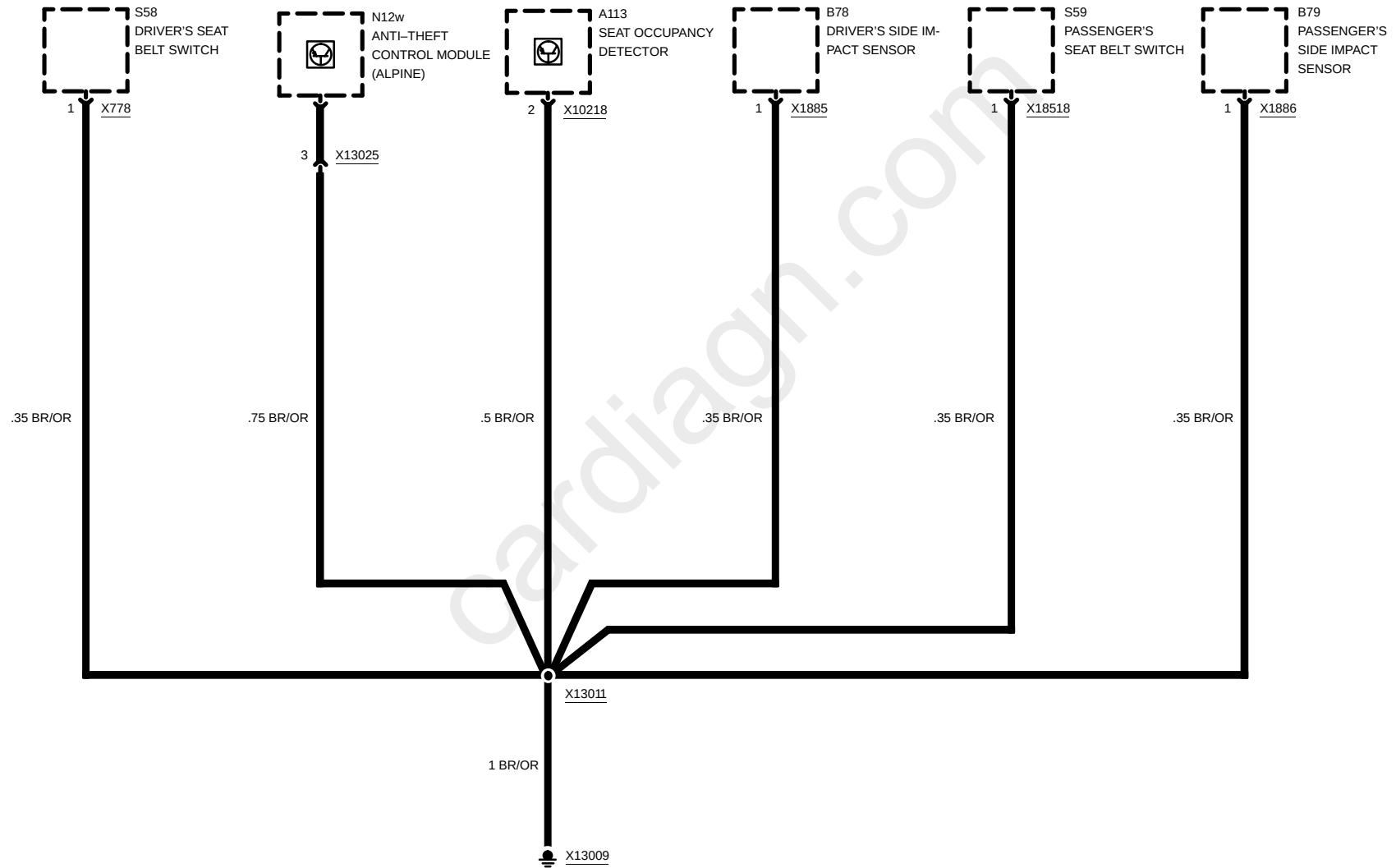


## GROUND X13006



## GROUND DISTRIBUTION

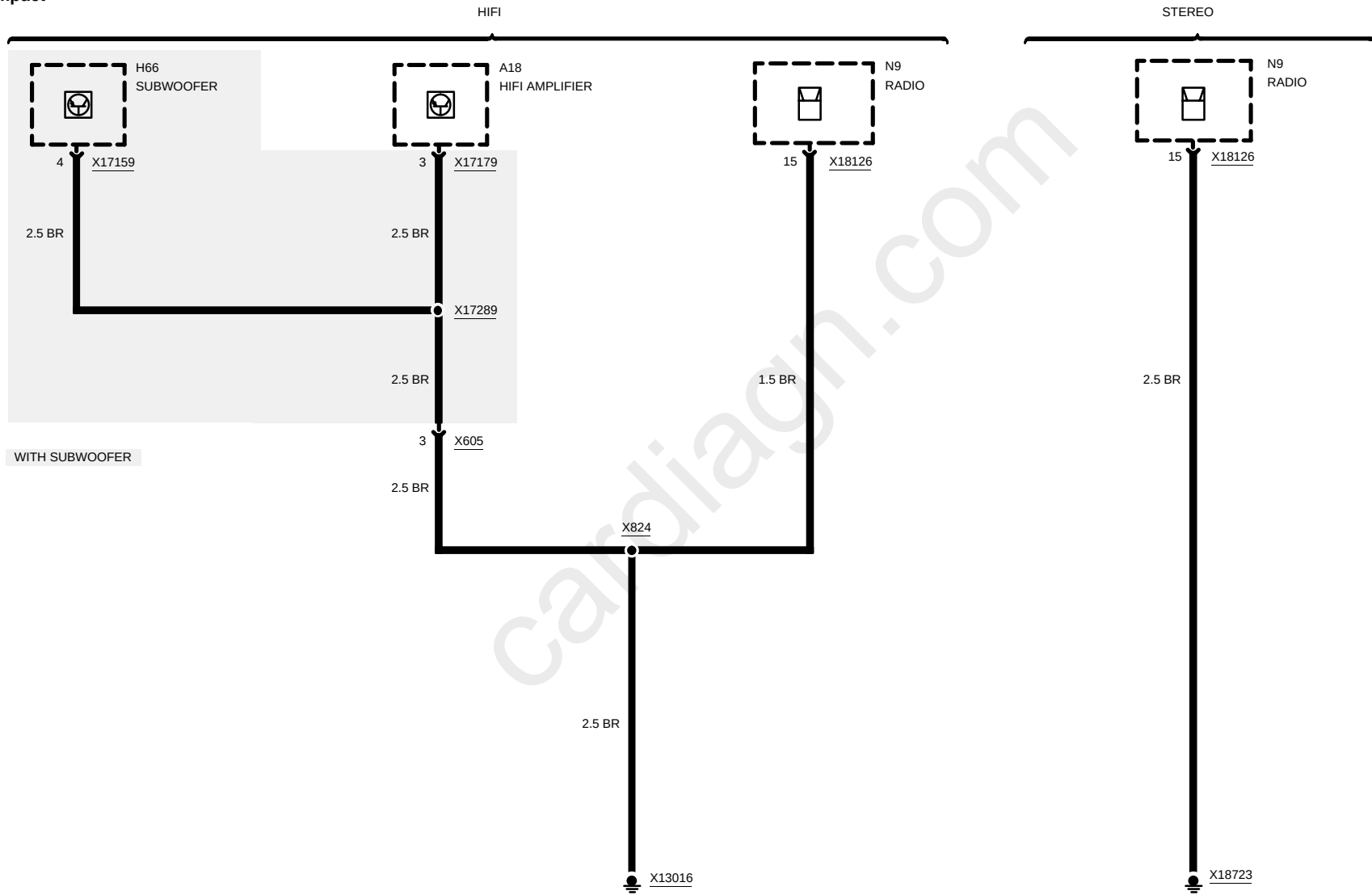
### GROUND X13009



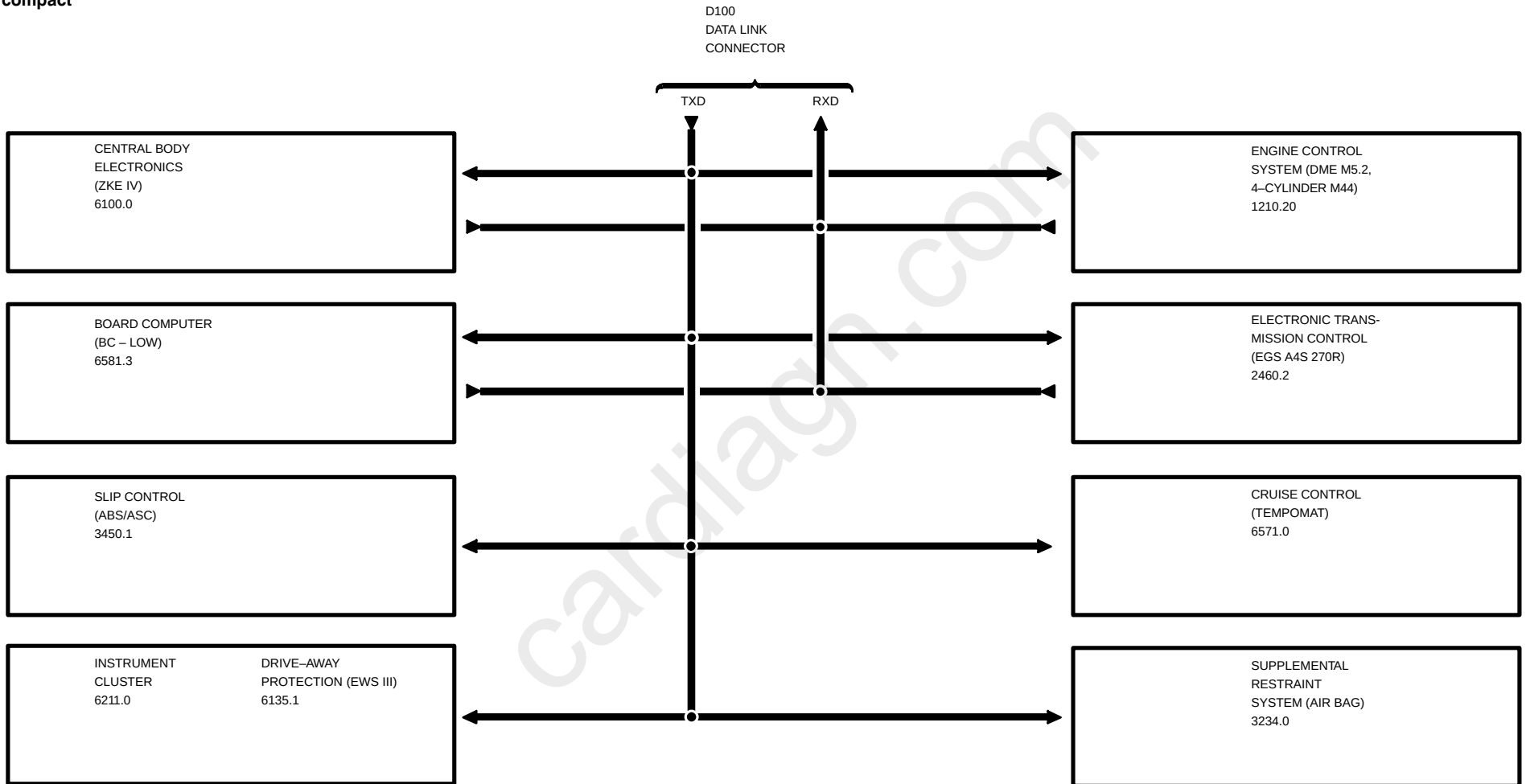


# GROUND DISTRIBUTION

## GROUNDS X13016 AND X18723



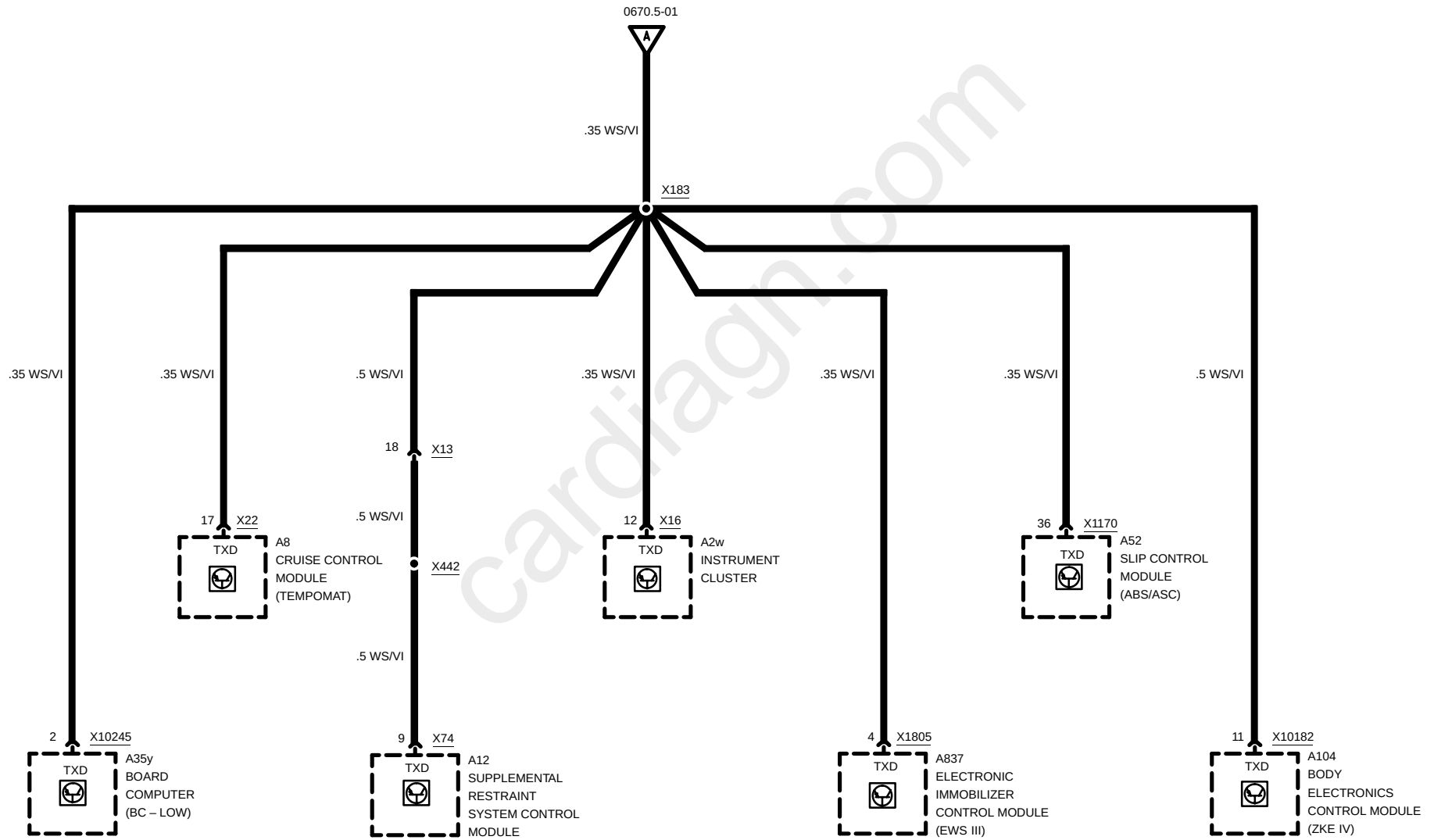
# 0670.5 DATA LINK BLOCK DIAGRAM





# DATA LINK

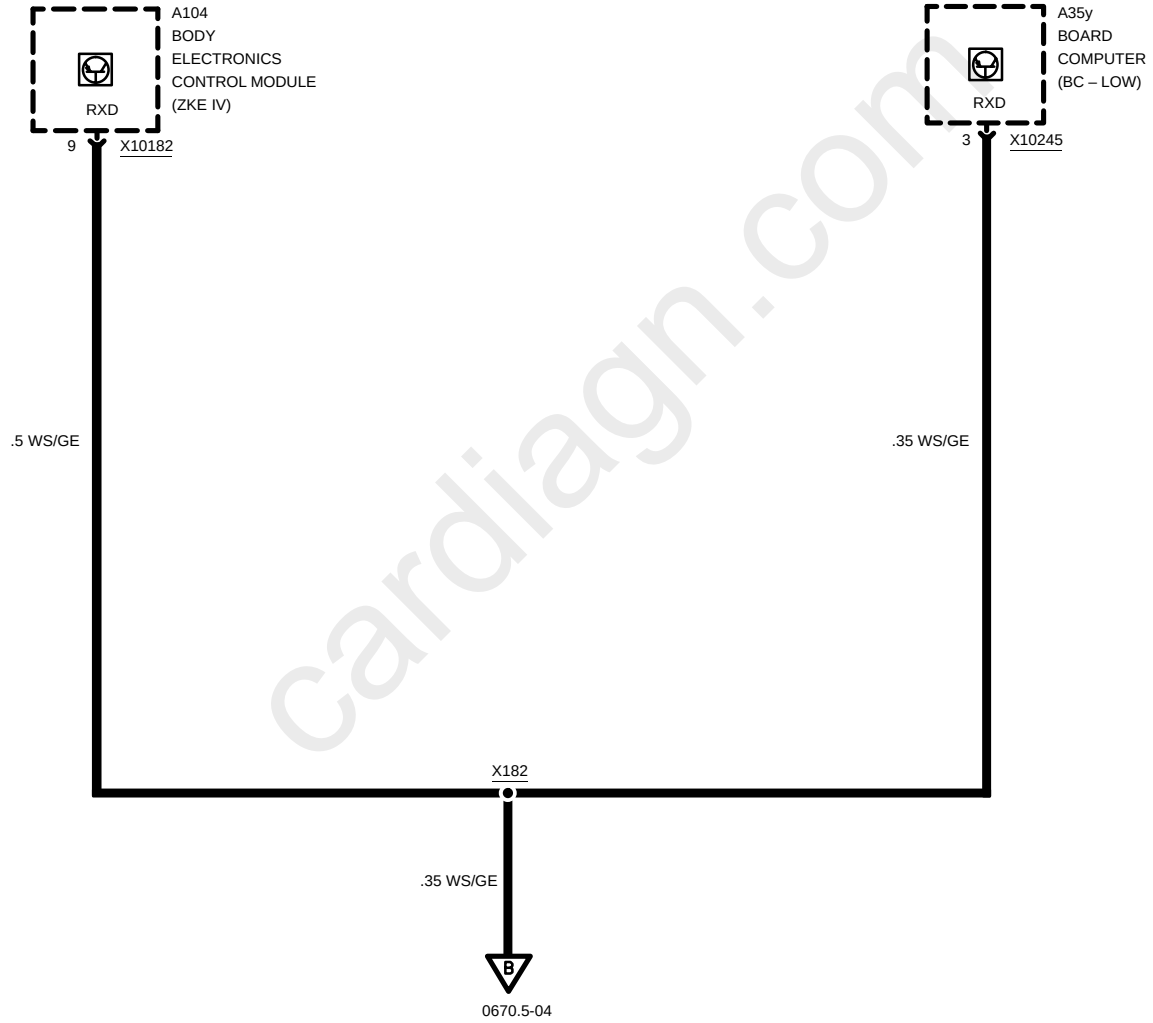
TXD





# DATA LINK

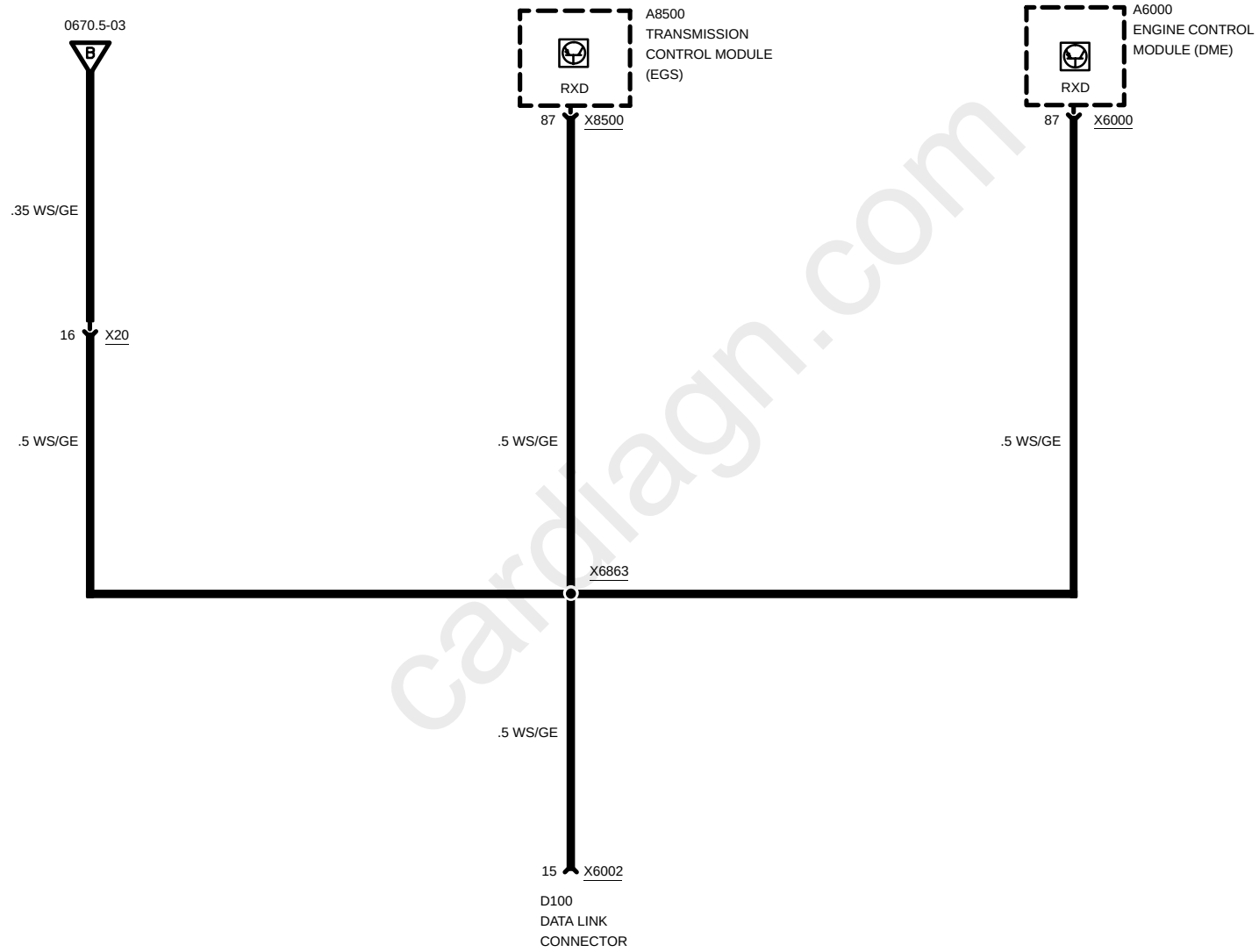
RXD





## DATA LINK

### RXD, DATA LINK CONNECTOR, PIN 15

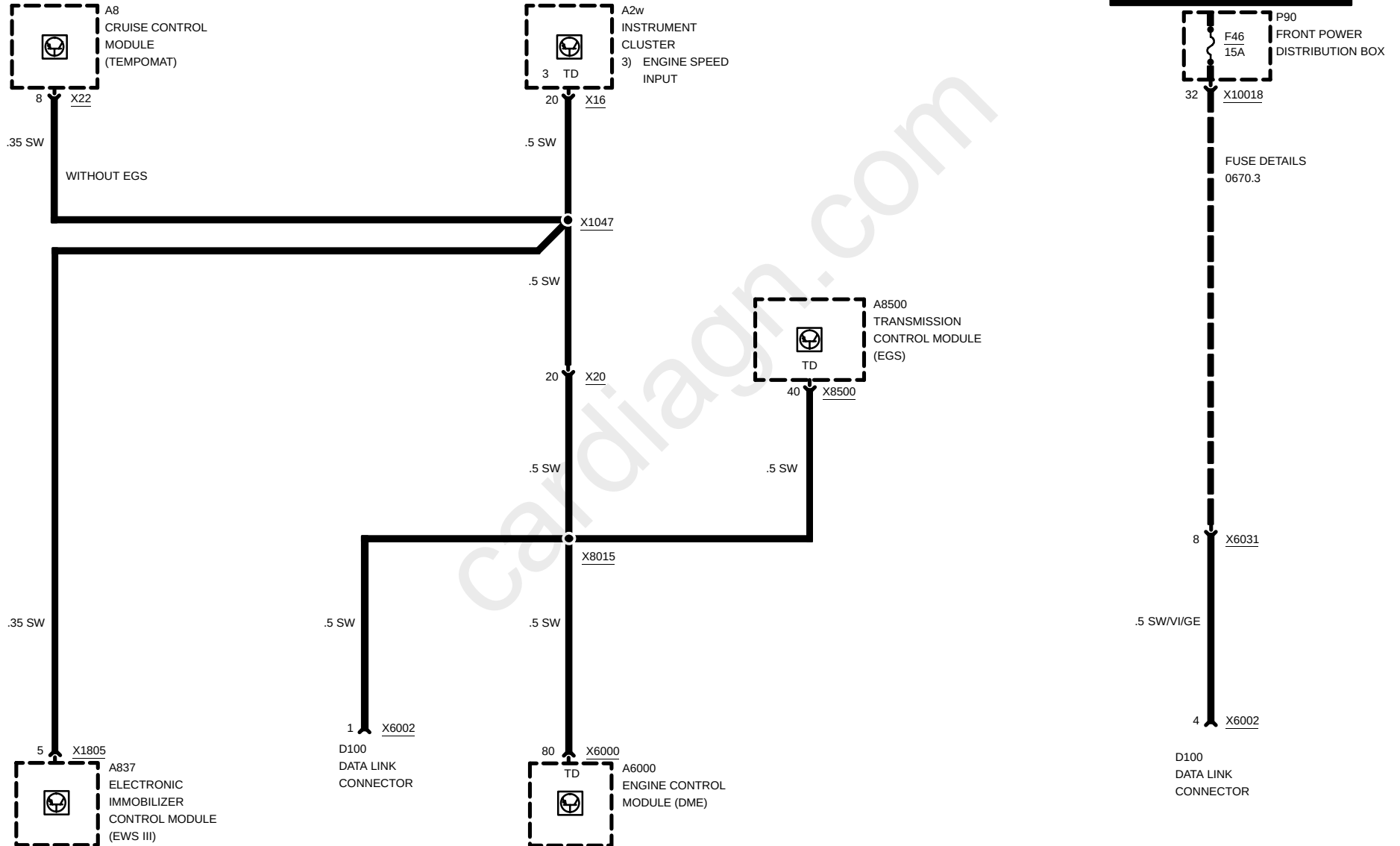




compact

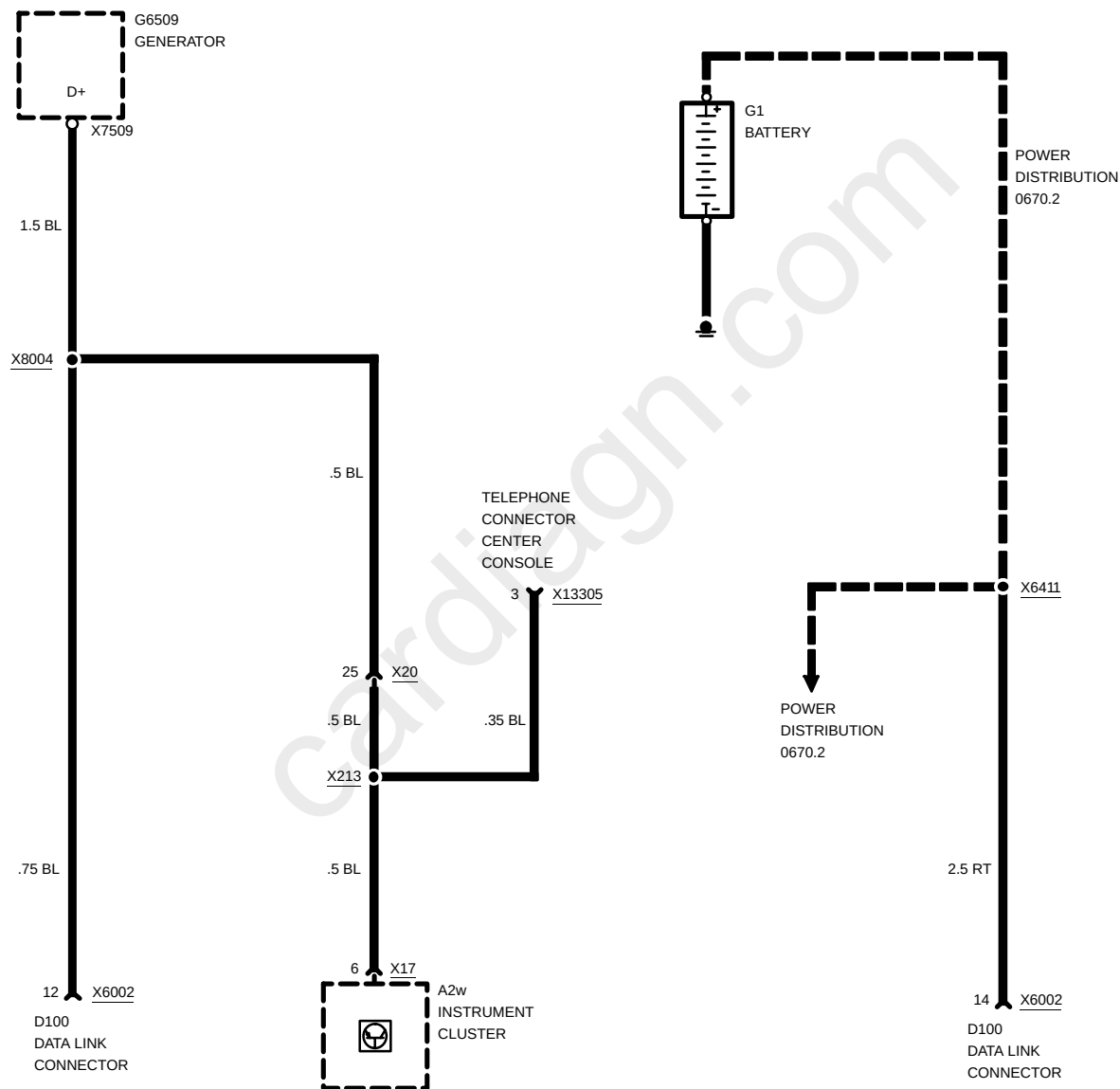
## DATA LINK

### DATA LINK CONNECTOR, PINS 1 AND 4



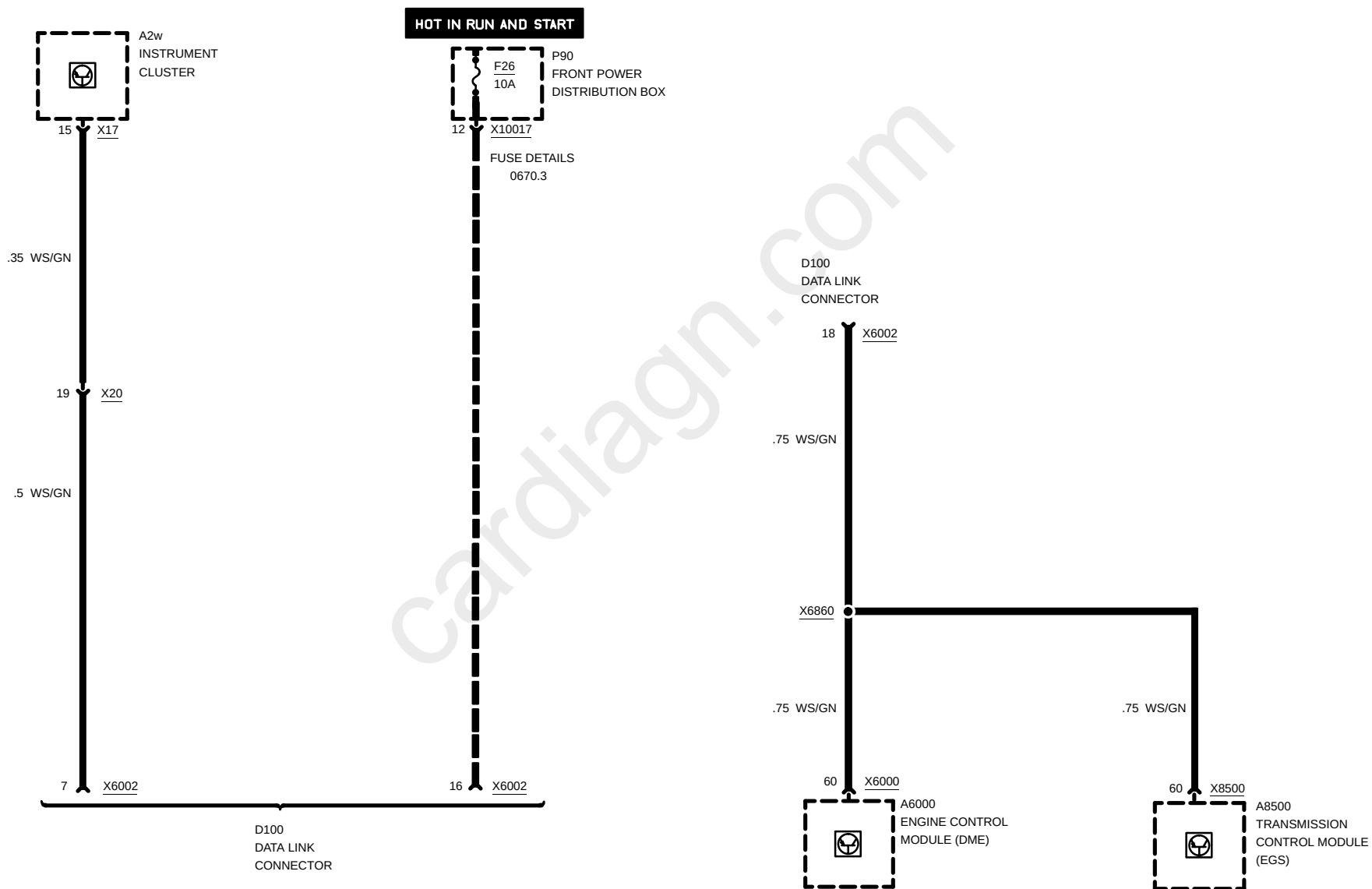


### DATA LINK CONNECTOR, PINS 12 AND 14



## DATA LINK

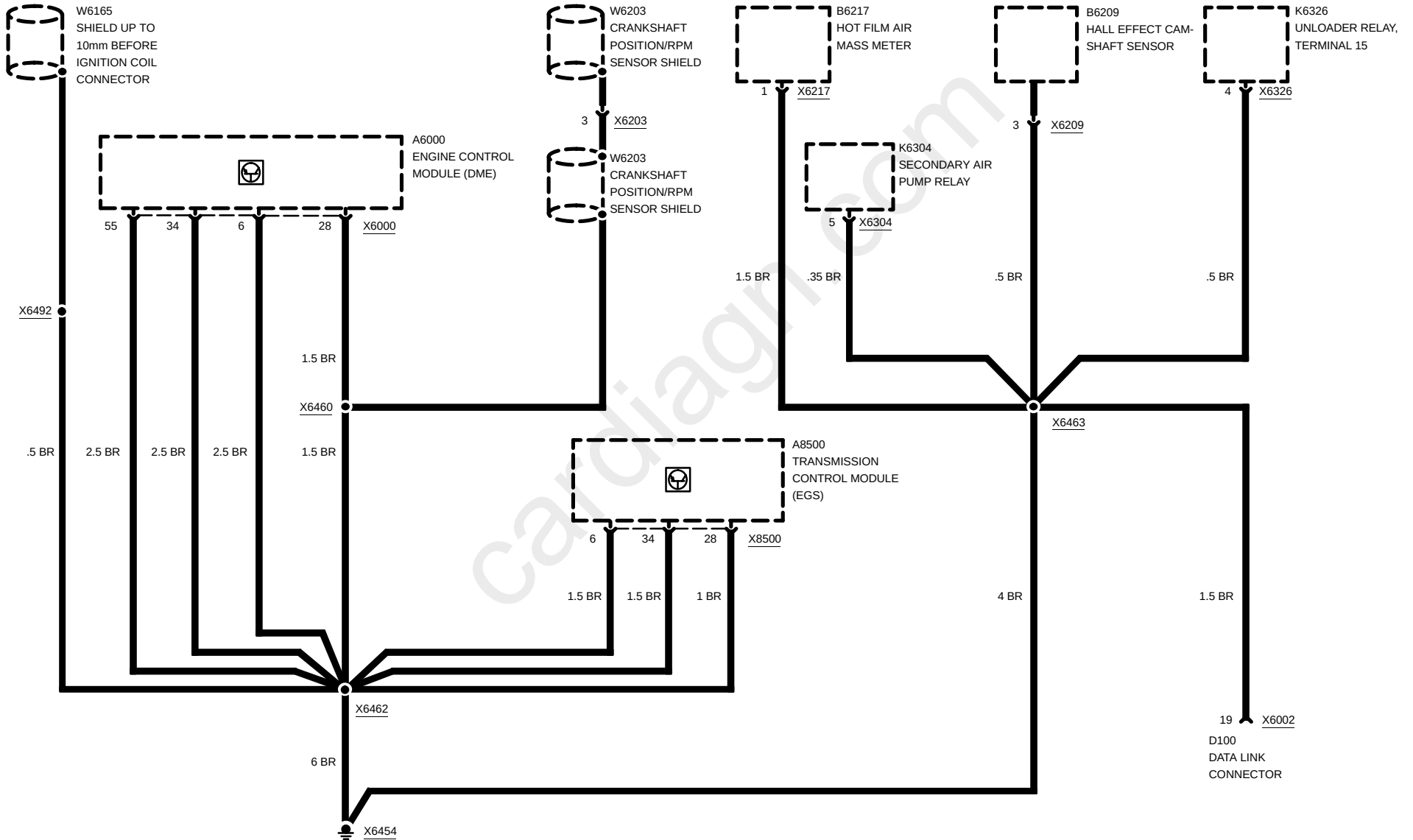
### DATA LINK CONNECTOR, PINS 7, 16, AND 18





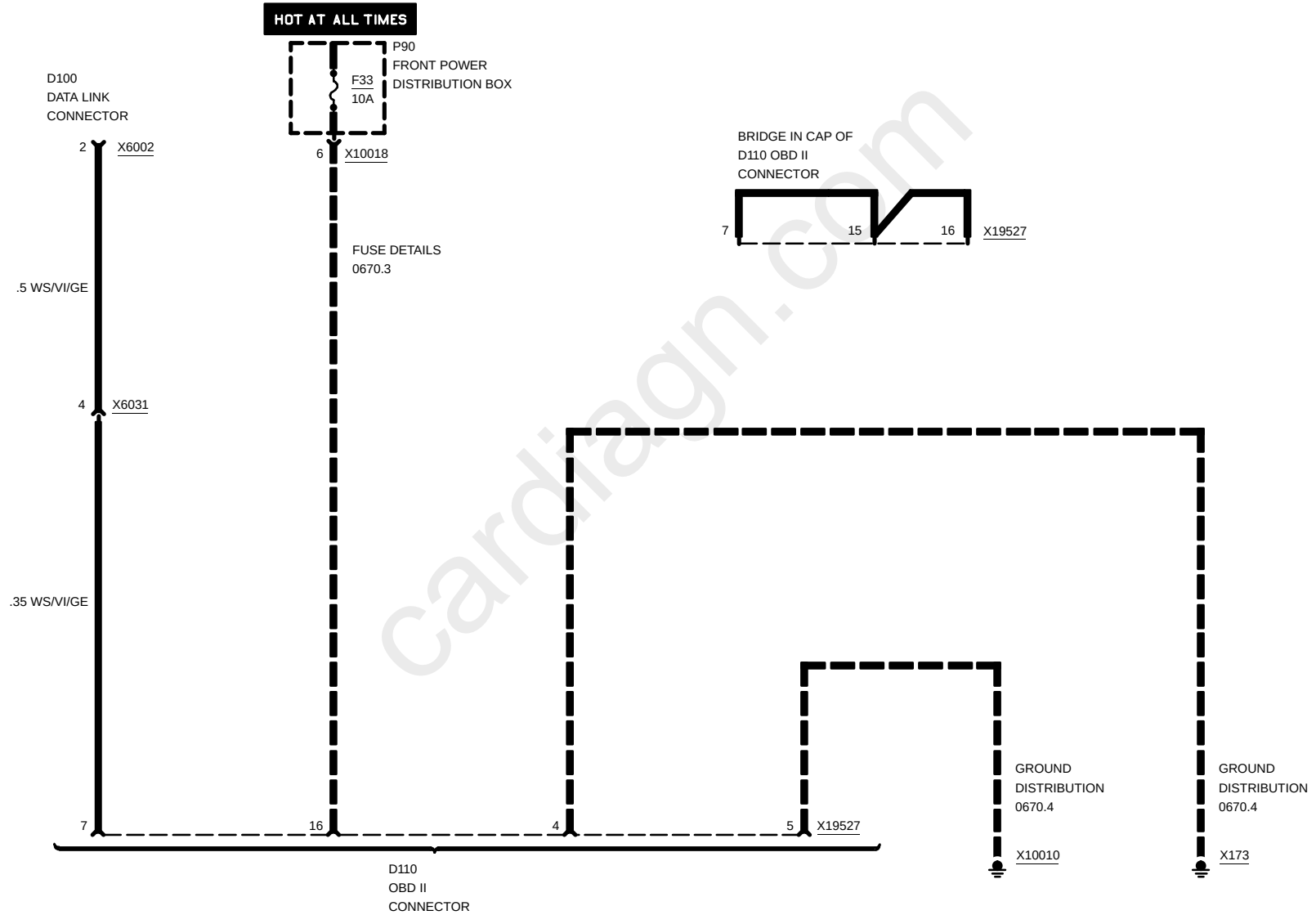
## DATA LINK

### DATA LINK CONNECTOR, PIN 19



## DATA LINK

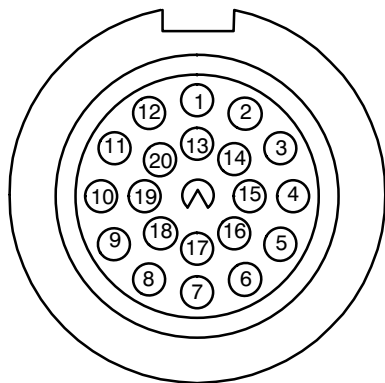
### DATA LINK CONNECTOR, PIN 2 AND OBD II CONNECTOR



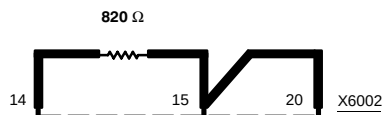


## DATA LINK

### DATA LINK CONNECTOR (X6002)



BRIDGES IN CAP OF D100 DATA LINK CONNECTOR



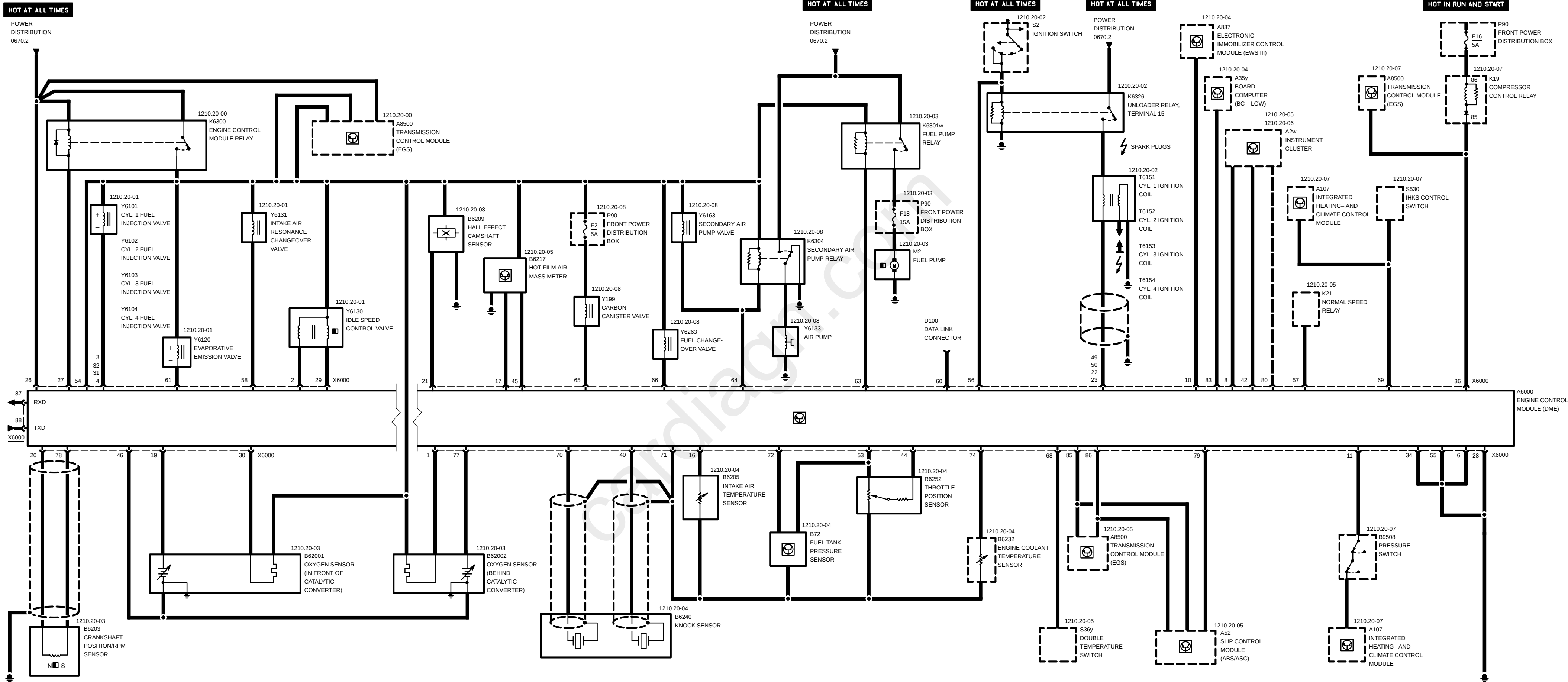
| PIN NUMBER | TERMINAL NUMBER | TERMINAL DESCRIPTION                           | WIRE COLOR |
|------------|-----------------|------------------------------------------------|------------|
| 1          | TD              | ENGINE                                         | SW         |
| 2          | TXD2            | DIAGNOSTIC DATA LINK                           | WS/VI/GE   |
| 3          | —               | NOT OCCUPIED                                   |            |
| 4          | R               | VOLTAGE: HOT IN ACCY, RUN AND START            | SW/VI/GE   |
| 5          | —               | NOT OCCUPIED                                   |            |
| 6          | —               | NOT OCCUPIED                                   |            |
| 7          | SI              | SERVICE INTERVAL RESET                         | WS/GN      |
| 8          | —               | NOT OCCUPIED                                   |            |
| 9          | —               | NOT OCCUPIED                                   |            |
| 10         | —               | NOT OCCUPIED                                   |            |
| 11         | —               | NOT OCCUPIED                                   |            |
| 12         | 61(D+)          | GENERATOR CHARGE INDICATOR                     | BL         |
| 13         | —               | NOT OCCUPIED                                   |            |
| 14         | 30              | VOLTAGE: HOT AT ALL TIMES                      | RT         |
| 15         | RXD             | DIAGNOSTIC DATA LINK                           | WS/GE      |
| 16         | 15S             | VOLTAGE: IGNITION SWITCH IN RUN AND START      | GN/WS      |
| 17         | TXD             | DIAGNOSTIC DATA LINK                           | WS/VI      |
| 18         | PGSP            | PROGRAM SELECT FOR ENGINE CONTROL MODULE (DME) | WS/GN      |
| 19         | 31              | GROUND                                         | BR         |
| 20         | TXD             | DIAGNOSTIC DATA LINK                           | WS/VI      |

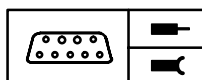
## 1210.20 ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

03/00

**- 1210.20**

1999



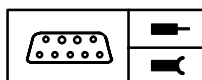


## Pin Assignments

### X6000

| Pin | Type | Description/Function                            | Connection                                      |
|-----|------|-------------------------------------------------|-------------------------------------------------|
| 1   | A    | Oxygen sensor heating (–)                       | Oxygen sensor (behind catalytic converter)      |
| 2   | A    | Activate valve                                  | Idle speed control valve                        |
| 3   | A    | Activate valve                                  | Cyl. 1 fuel injection valve                     |
| 4   | A    | Activate valve                                  | Cyl. 4 fuel injection valve                     |
| 5   |      | Not used                                        |                                                 |
| 6   | M    | Ground, fuel injection valve output stages      | Ground point                                    |
| 7   |      | Not used                                        |                                                 |
| 8   | A    | “Check engine” indicator control                | Instrument cluster                              |
| 9   |      | Not used                                        |                                                 |
| 10  | E    | Drive away protection signal                    | Electronic immobilizer control module (EWS III) |
| 11  | E    | Activate A/C                                    | Pressure switch                                 |
| 12  |      | Not used                                        |                                                 |
| 13  |      | Not used                                        |                                                 |
| 14  |      | Not used                                        |                                                 |
| 15  |      | Not used                                        |                                                 |
| 16  | E    | Intake air temperature                          | Intake air temperature sensor                   |
| 17  | E    | Signal input                                    | Hot film air mass meter                         |
| 18  |      | Not used                                        |                                                 |
| 19  | E    | Oxygen sensor signal                            | Oxygen sensor (in front of catalytic converter) |
| 20  | E    | Crankshaft position/RPM                         | Crankshaft position/RPM sensor                  |
| 21  | E    | Camshaft position                               | Hall effect camshaft sensor                     |
| 22  | A    | Cyl. 3 ignition coil control                    | Cyl. 3 ignition coil                            |
| 23  | A    | Cyl. 4 ignition coil control                    | Cyl. 4 ignition coil                            |
| 24  |      | Not used                                        |                                                 |
| 25  |      | Not used                                        |                                                 |
| 26  | E    | Battery voltage                                 | B+ junction point                               |
| 27  | A    | Engine control module relay control             | Engine control module relay, terminal 85        |
| 28  | M    | Ground for electronics and shielding of sensors | Ground point                                    |

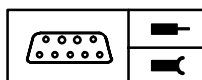
E = Input, A = Output, M = Ground



## Pin Assignments

| Pin | Type | Description/Function                                                            | Connection                                         |
|-----|------|---------------------------------------------------------------------------------|----------------------------------------------------|
| 29  | A    | Idle speed control valve control                                                | Idle speed control valve                           |
| 30  | A    | Oxygen sensor heating (–)                                                       | Oxygen sensor (in front of catalytic converter)    |
| 31  | A    | Activate valve                                                                  | Cyl. 3 fuel injection valve                        |
| 32  | A    | Activate valve                                                                  | Cyl. 2 fuel injection valve                        |
| 33  |      | Not used                                                                        |                                                    |
| 34  | M    | Ground, remaining output stages (except for ignition and fuel injection valves) | Ground point                                       |
| 35  |      | Not used                                                                        |                                                    |
| 36  | A    | A/C compressor cut-out                                                          | Compressor control relay                           |
| 37  |      | Not used                                                                        |                                                    |
| 38  |      | Not used                                                                        |                                                    |
| 39  |      | Not used                                                                        |                                                    |
| 40  | E    | Cyl. 3-4 knock sensor                                                           | Knock sensor                                       |
| 41  |      | Not used                                                                        |                                                    |
| 42  | E    | TI-measurement signal (fuel consumption)                                        | Instrument cluster                                 |
| 43  |      | Not used                                                                        |                                                    |
| 44  | E    | Throttle position                                                               | Throttle position sensor                           |
| 45  | M    | Ground                                                                          | Hot film air mass meter                            |
| 46  | M    | Sensor ground                                                                   | Oxygen sensors                                     |
| 47  |      | Not used                                                                        |                                                    |
| 48  |      | Not used                                                                        |                                                    |
| 49  | A    | Cyl. 1 ignition coil control                                                    | Cyl. 1 ignition coil                               |
| 50  | A    | Cyl. 2 ignition coil control                                                    | Cyl. 2 ignition coil                               |
| 51  |      | Not used                                                                        |                                                    |
| 52  |      | Not used                                                                        |                                                    |
| 53  | A    | Component supply (+)                                                            | Throttle position sensor/Fuel tank pressure sensor |
| 54  | E    | Battery voltage from engine control module relay                                | Engine control module relay, terminal 87           |
| 55  | M    | Ground, ignition                                                                | Ground point                                       |
| 56  | E    | Ignition switch, terminal 15                                                    | Ignition switch, terminal 15                       |
| 57  | A    | Activate auxiliary fan                                                          | Normal speed relay                                 |

E = Input, A = Output, M = Ground



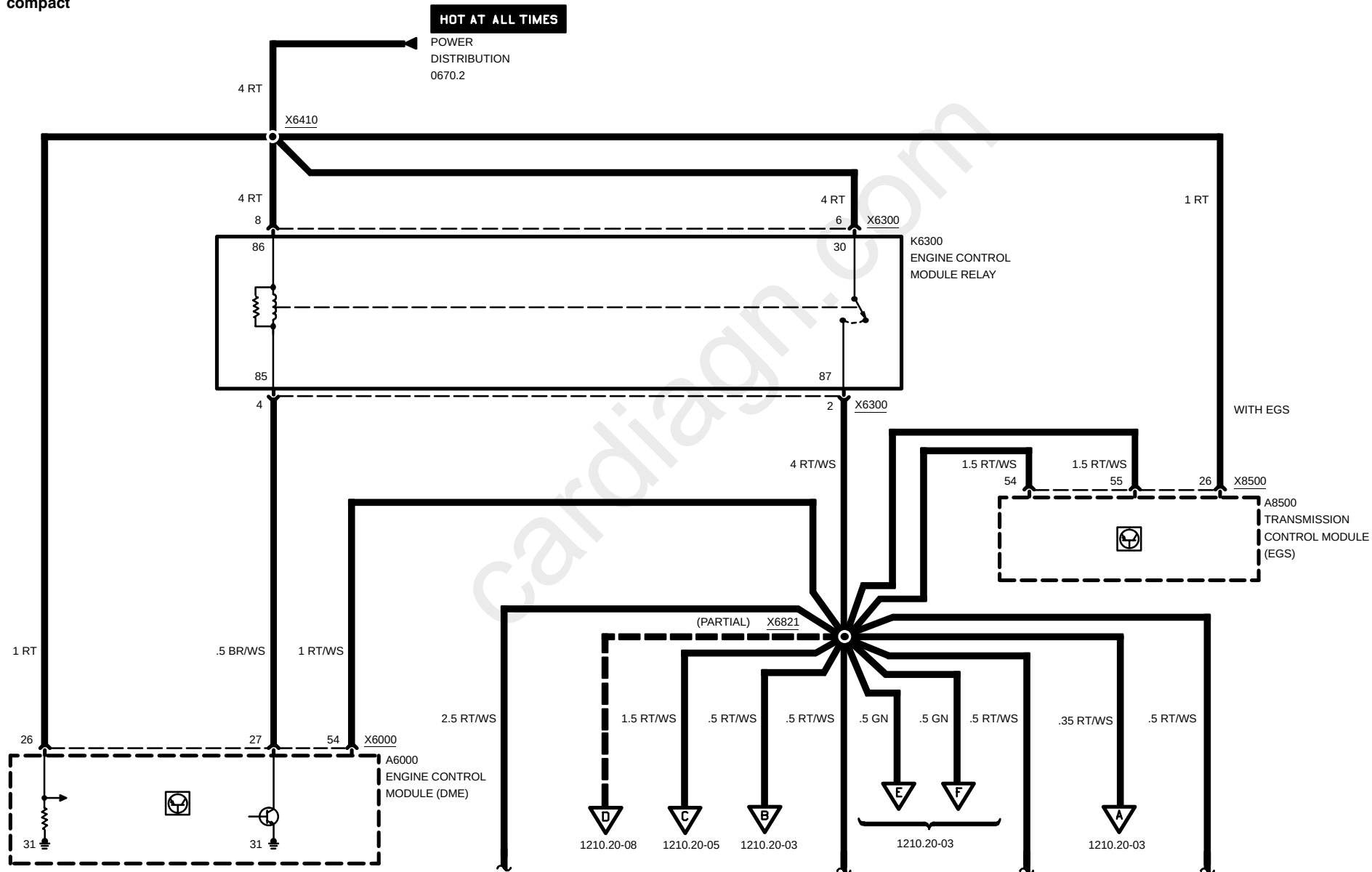
## Pin Assignments

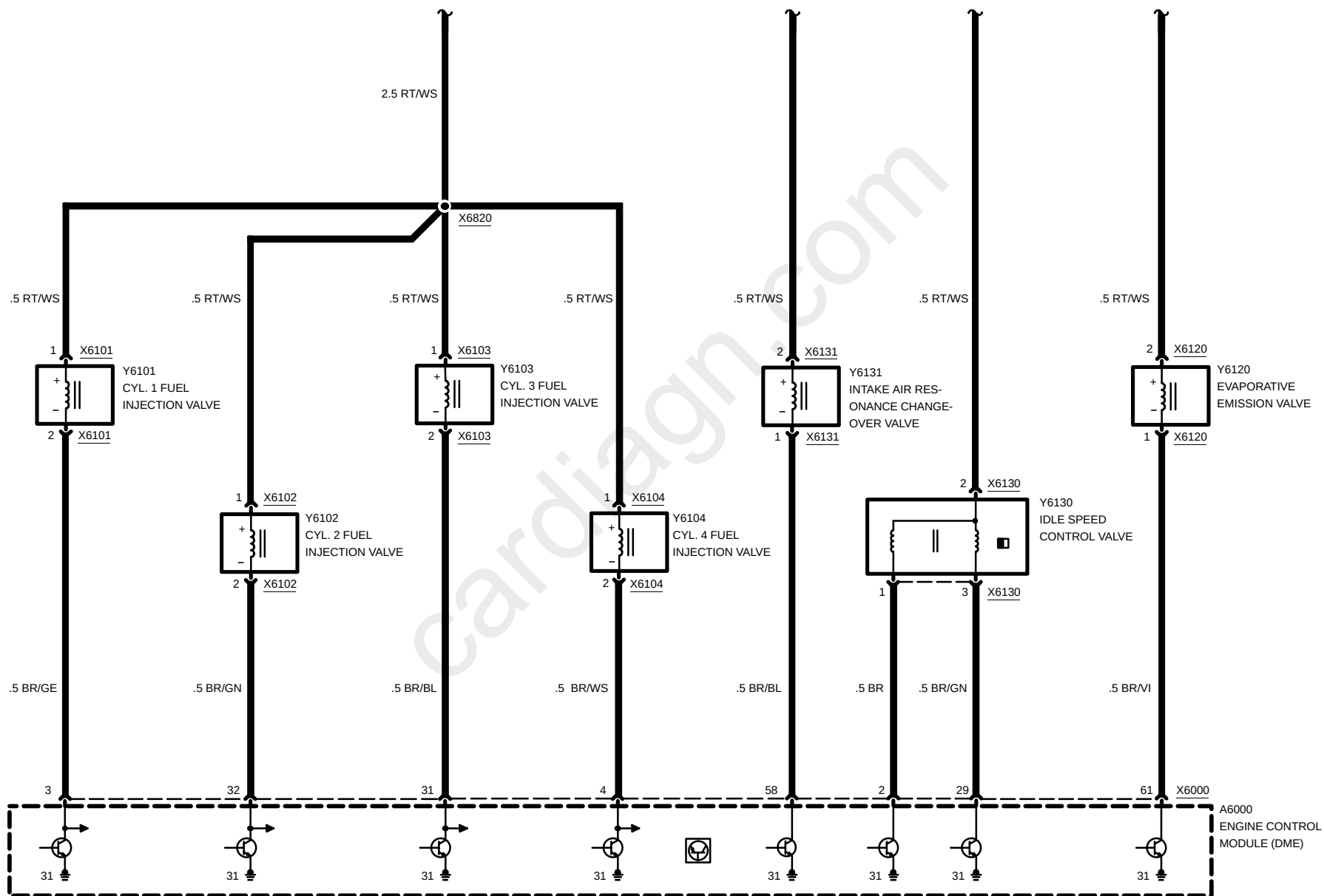
| Pin | Type | Description/Function           | Connection                                        |
|-----|------|--------------------------------|---------------------------------------------------|
| 58  | A    | Activate valve                 | Intake air resonance changeover valve             |
| 59  |      | Not used                       |                                                   |
| 60  | E    | Programming voltage            | Data link connector                               |
| 61  | A    | Activate valve                 | Evaporation emission valve                        |
| 62  |      | Not used                       |                                                   |
| 63  | A    | Activate relay                 | Fuel pump relay                                   |
| 64  | A    | Activate relay/valve           | Secondary air pump relay/Secondary air pump valve |
| 65  | A    | Activate valve                 | Carbon canister valve                             |
| 66  | A    | Activate valve                 | Fuel changeover valve                             |
| 67  |      | Not used                       |                                                   |
| 68  | E    | Signal above 80°C              | Double temperature switch                         |
| 69  | E    | A/C-ON-signal                  | Air conditioning operating unit                   |
| 70  | E    | Cyl 1-2 knock sensor           | Knock sensor                                      |
| 71  | M    | Ground for sensors             | Temperature-/ knock-/ throttle position-sensors   |
| 72  | E    | Fuel tank pressure signal      | Fuel tank pressure sensor                         |
| 73  |      | Not used                       |                                                   |
| 74  | E    | Temperature signal             | Engine coolant temperature sensor                 |
| 75  |      | Not used                       |                                                   |
| 76  |      | Not used                       |                                                   |
| 77  | E    | Oxygen sensor signal           | Oxygen sensor (behind catalytic converter)        |
| 78  | E    | Crankshaft position/RPM        | Crankshaft position/RPM sensor                    |
| 79  | E    | Speed signal right rear        | ABS/ASC control module                            |
| 80  | E    | Crankshaft RPM speed signal TD | Instrument cluster                                |
| 81  |      | Not used                       |                                                   |
| 82  |      | Not used                       |                                                   |
| 83  | E    | Vehicle speed signal           | On-board computer                                 |
| 84  |      | Not used                       |                                                   |
| 85  | E/A  | CAN-LOW                        | EGS/ASC control module                            |
| 86  | E/A  | CAN-HIGH                       | EGS/ASC control module                            |
| 87  | A    | RxD diagnosis data line        | Data link connector                               |
| 88  | E/A  | TxD diagnosis data line        | Data link connector                               |

E = Input, A = Output, M = Ground

# ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

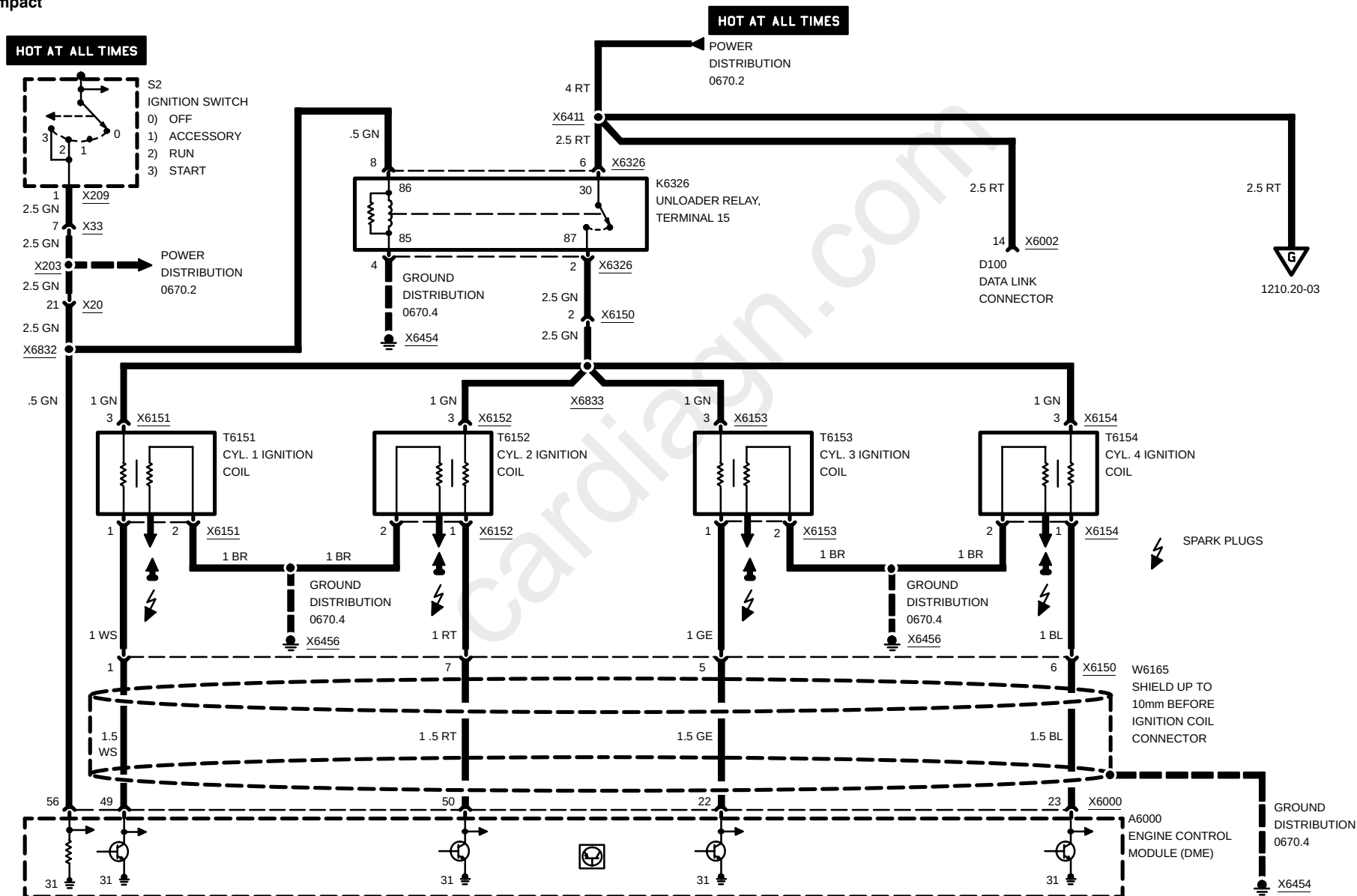
## POWER, FUEL INJECTION VALVES





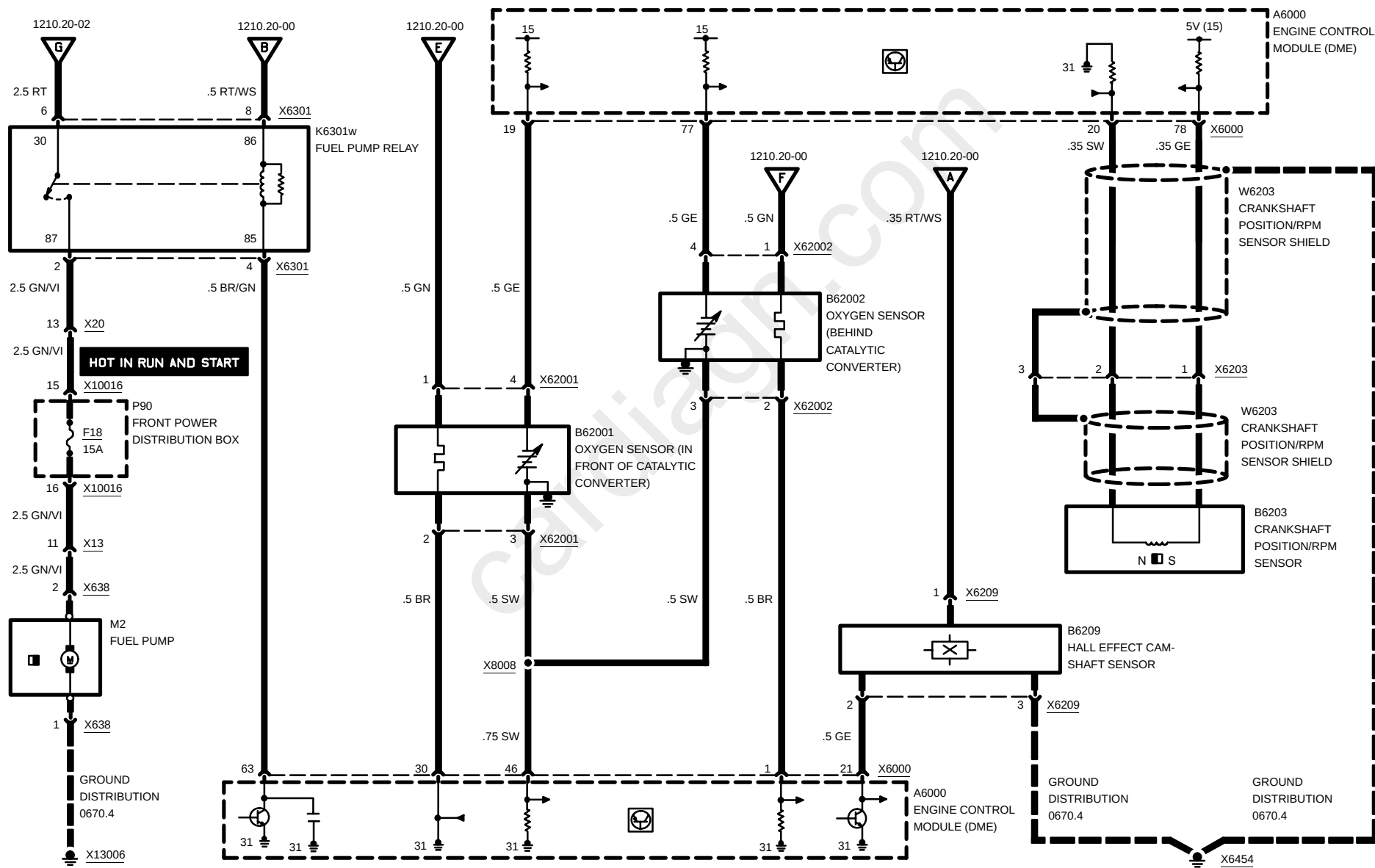
## ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

## IGNITION COILS





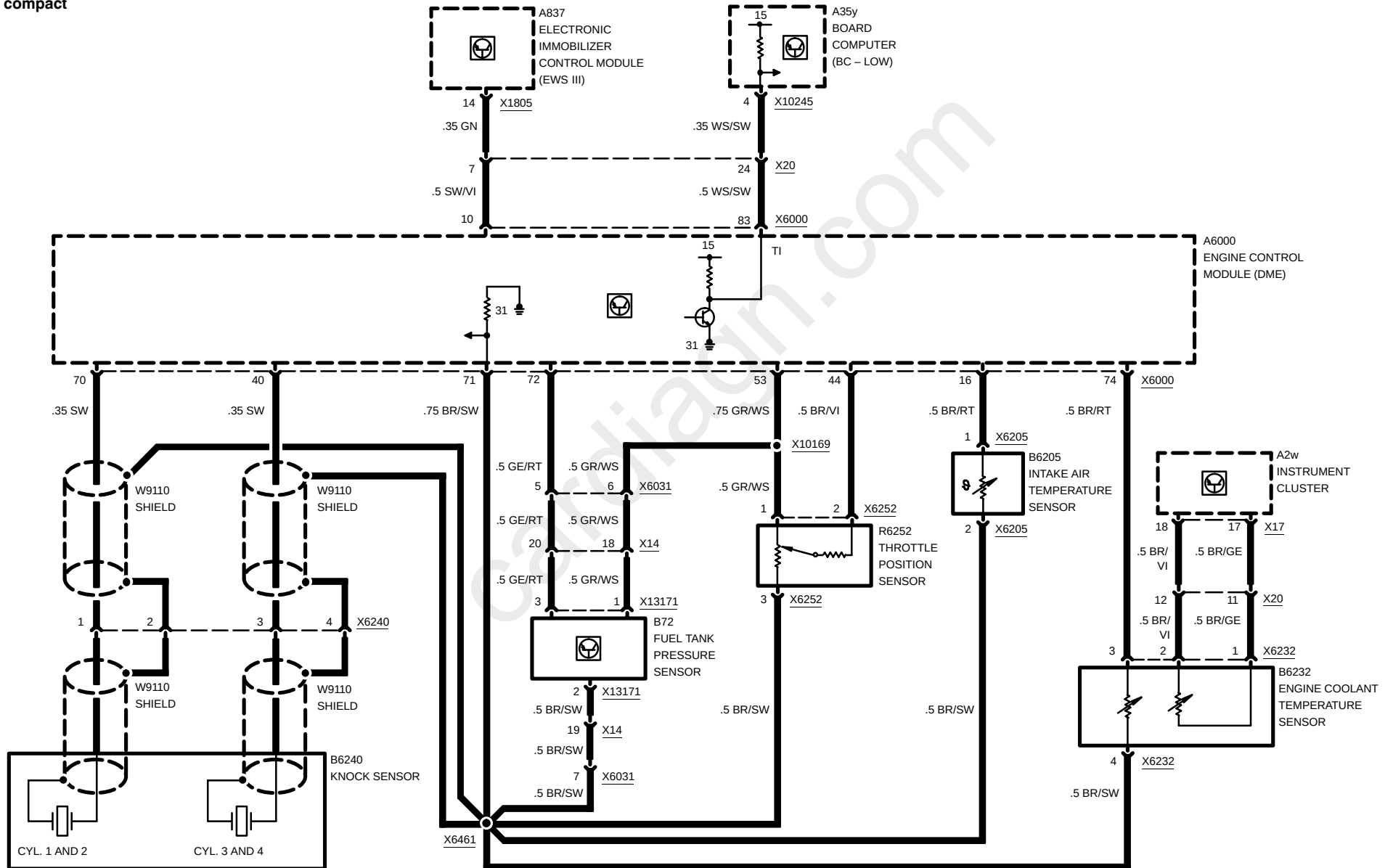
## FUEL PUMP, HEATED OXYGEN SENSOR, CRANKSHAFT SENSORS



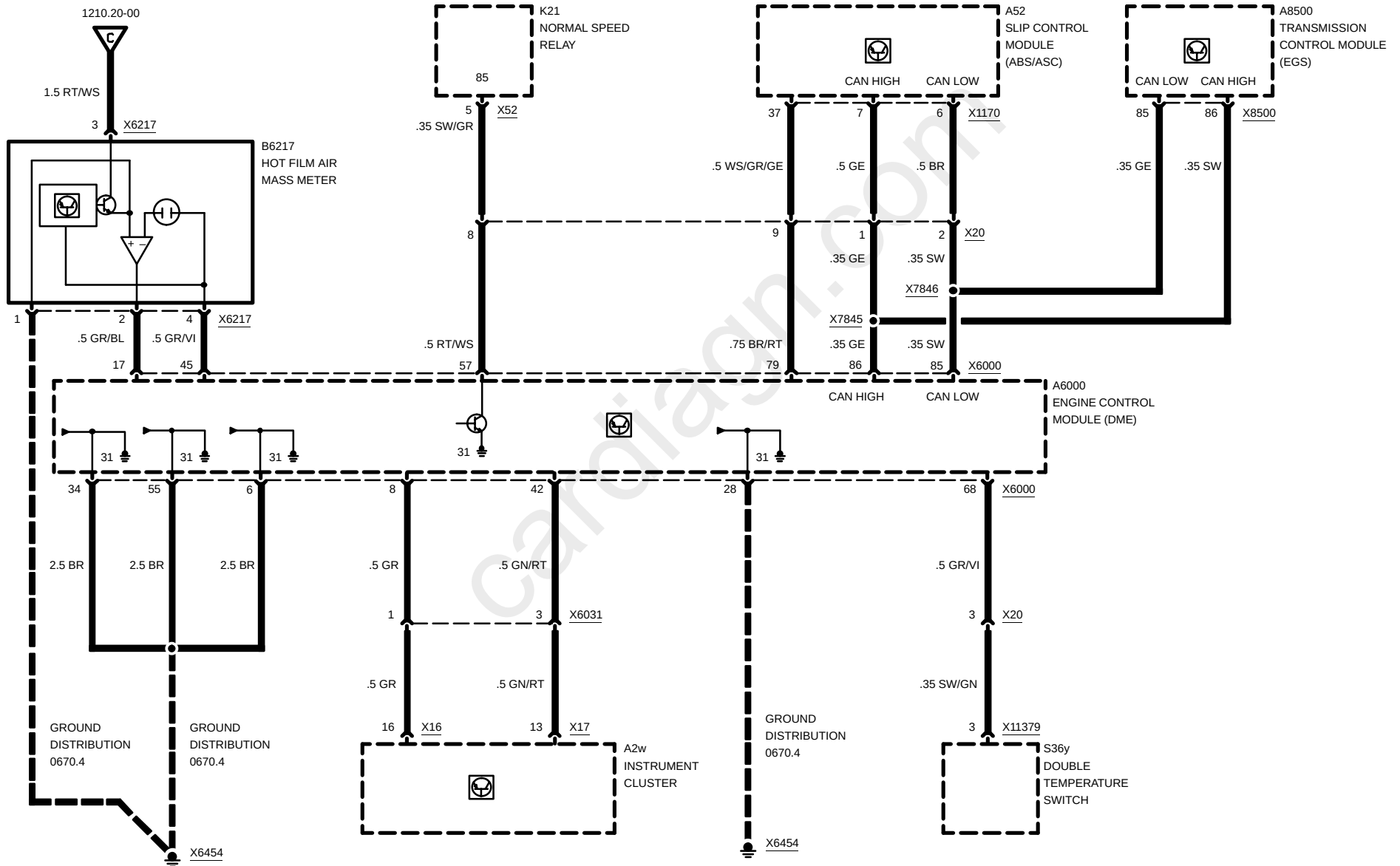


compact

## ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

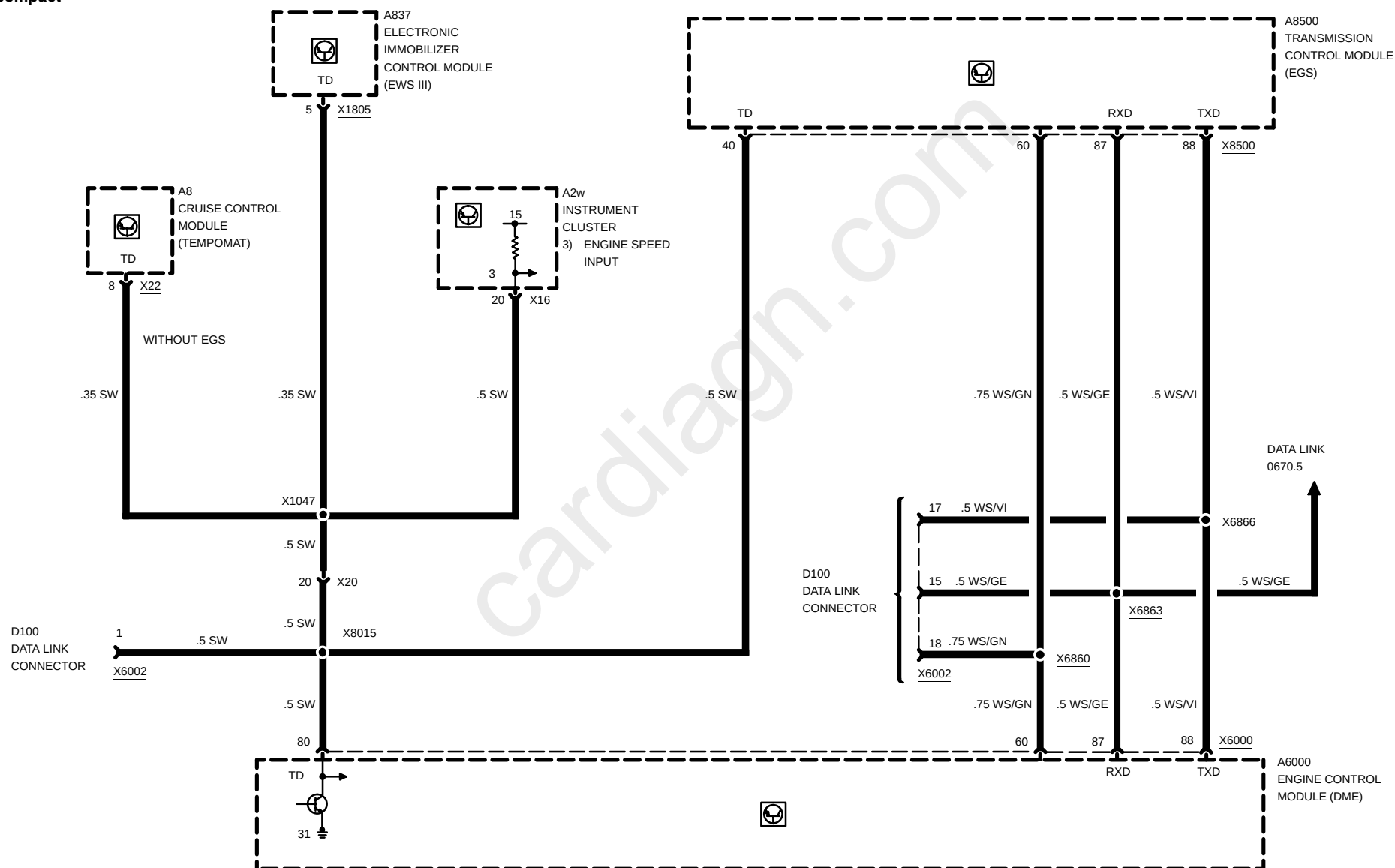


# ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)



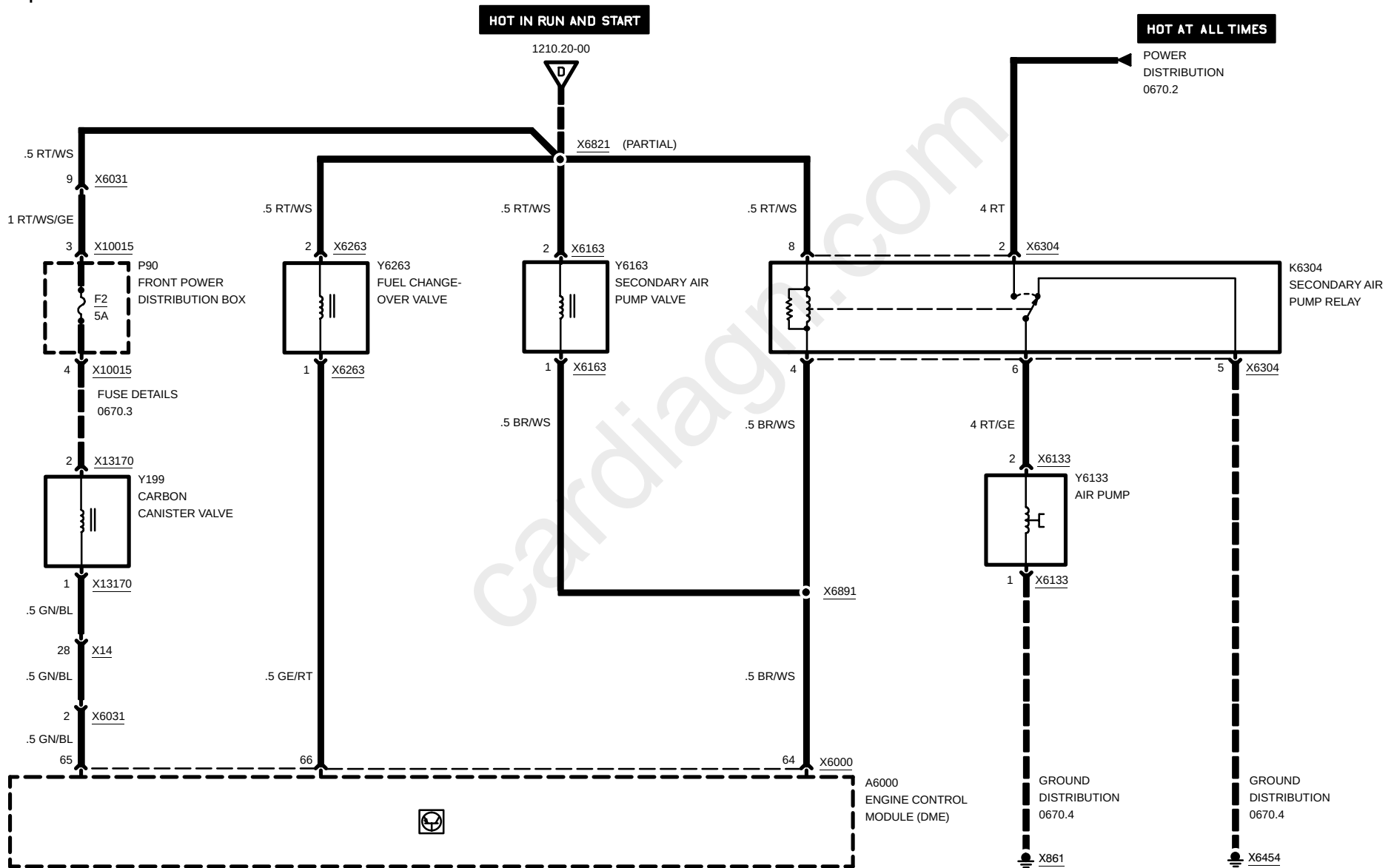
# ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

## DATA LINK



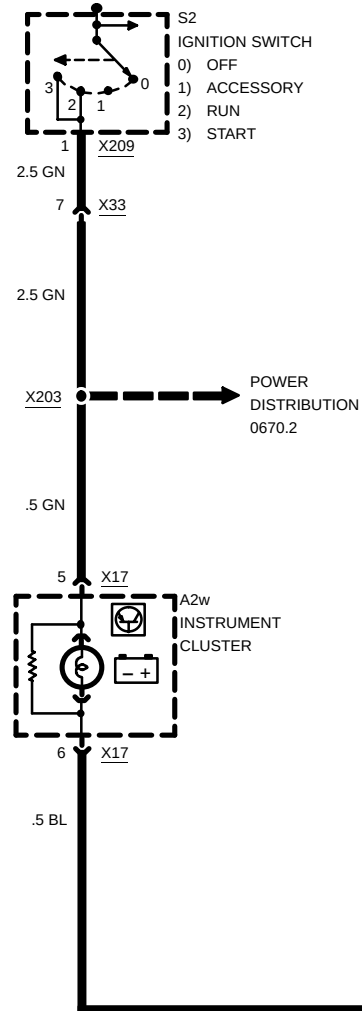


# ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

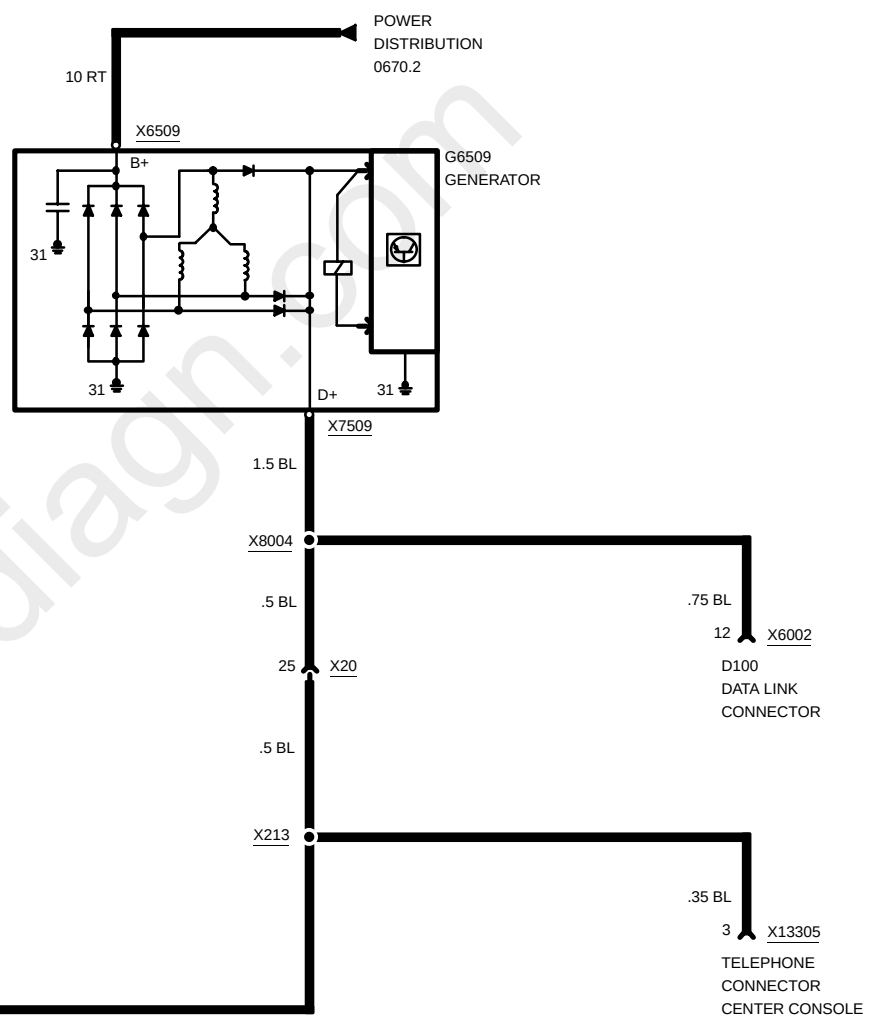


# 1230.0 CHARGING SYSTEM

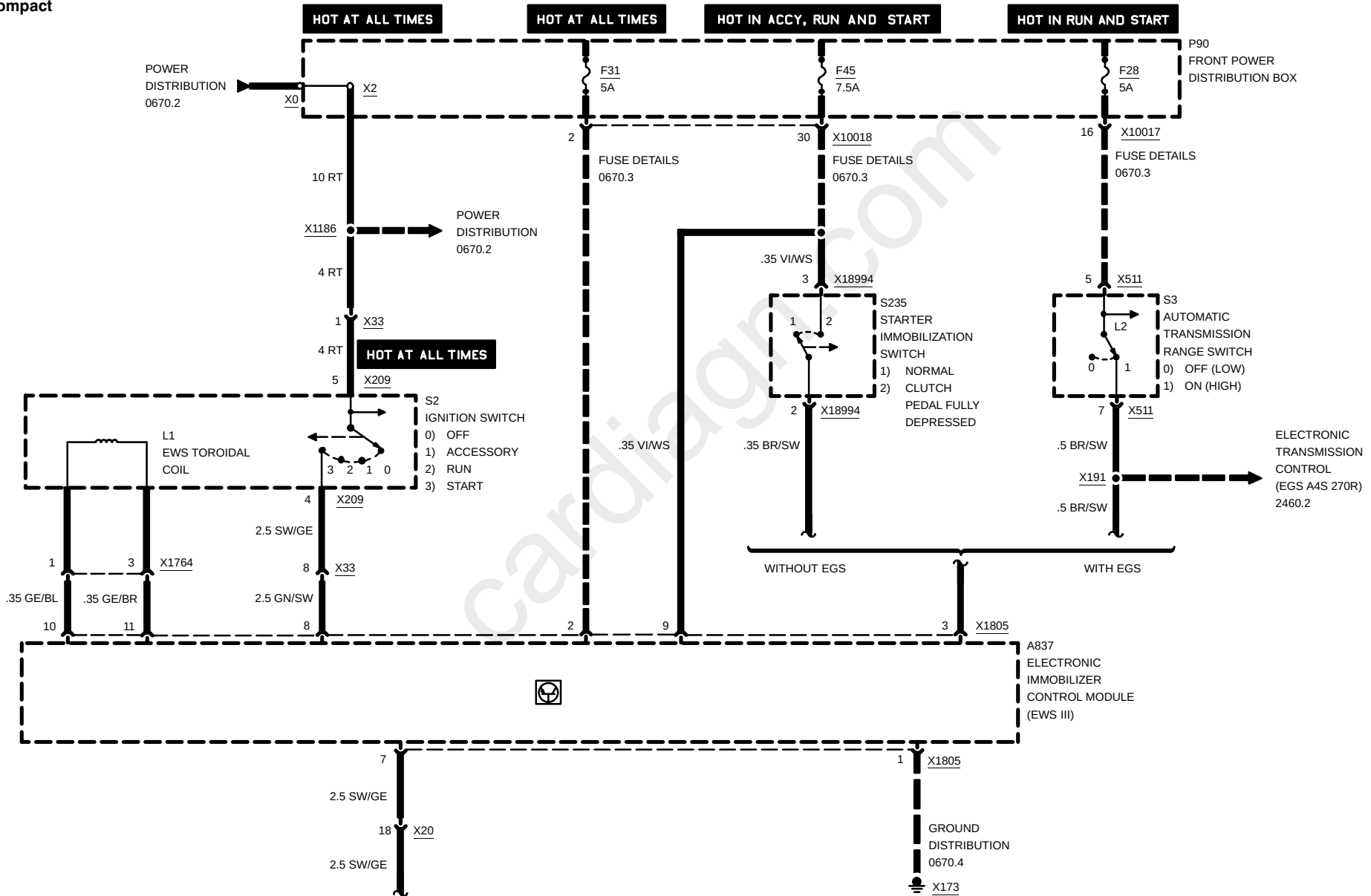
HOT AT ALL TIMES

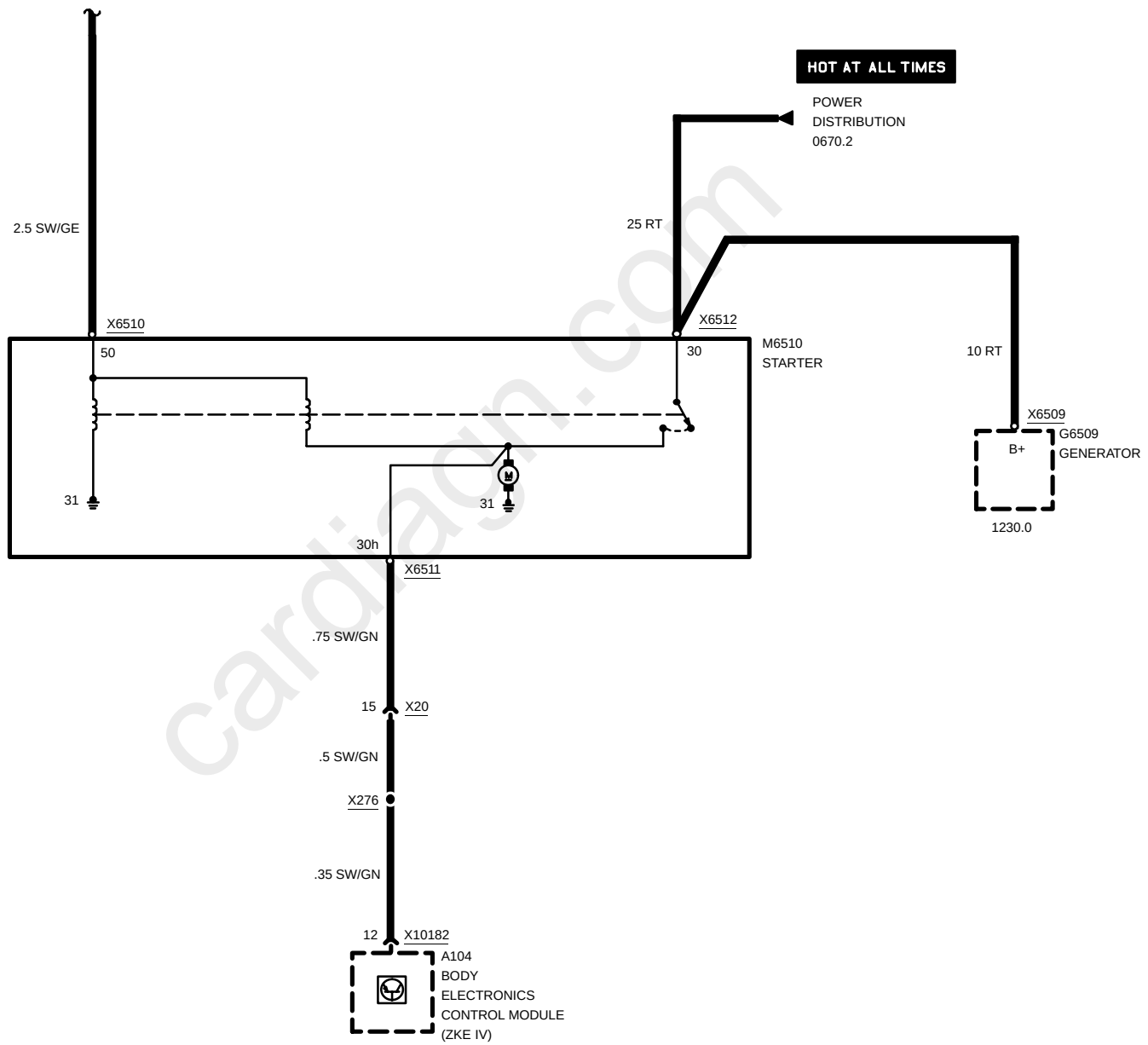


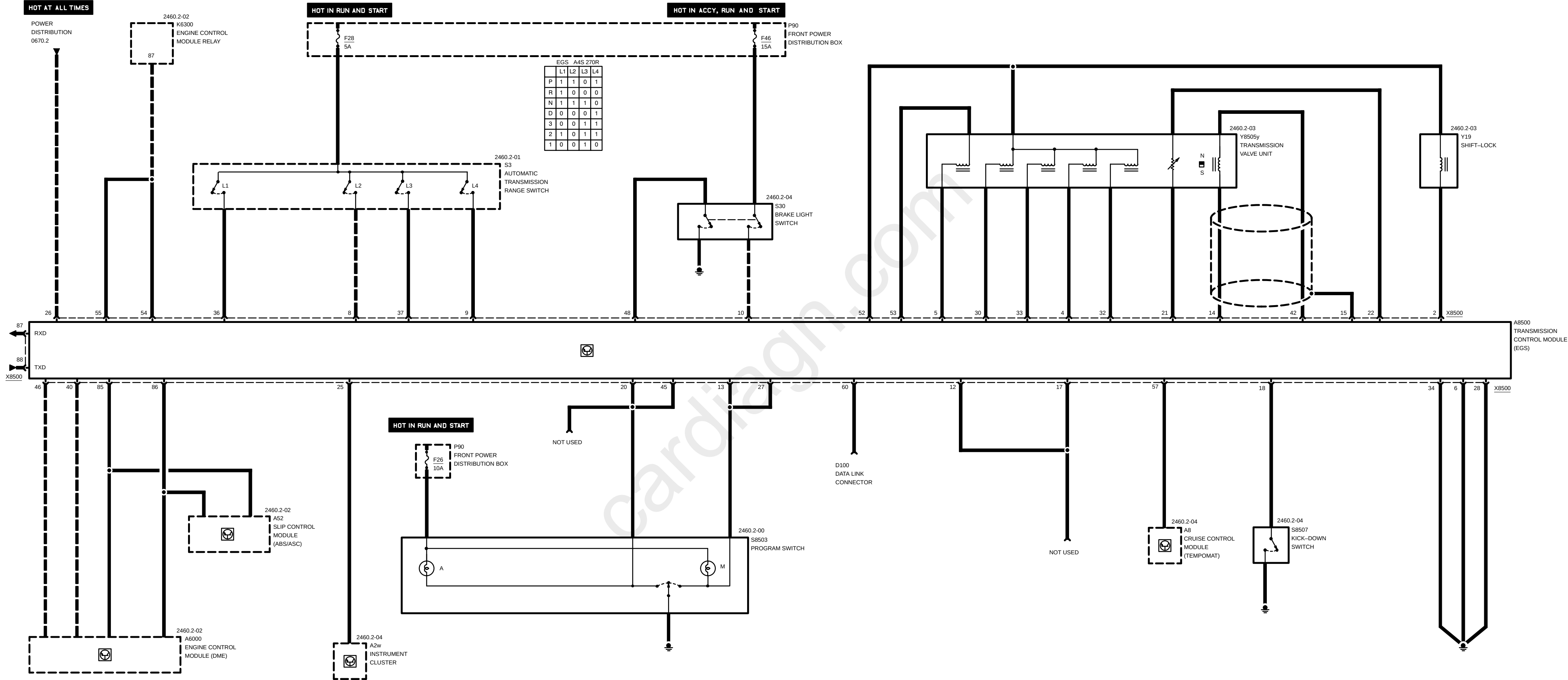
HOT AT ALL TIMES

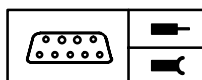


# 1240.0 START







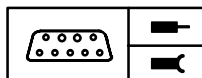


## Pin Assignments

### X8500

| Pin | Type | Description/Function                     | Connection                          |
|-----|------|------------------------------------------|-------------------------------------|
| 89  |      | Not used                                 |                                     |
| 90  | A    | Shift-lock solenoid control              | Shift-lock                          |
| 91  |      | Not used                                 |                                     |
| 92  | A    | Solenoid valve band control (-)          | Transmission valve unit             |
| 93  | A    | Hydraulic pressure regulator control (-) | Transmission valve unit             |
| 94  | M    | Ground                                   | Ground point                        |
| 95  |      | Not used                                 |                                     |
| 96  | E    | Gear range signal L2                     | Automatic transmission range switch |
| 97  | E    | Gear range signal L4                     | Automatic transmission range switch |
| 98  | E    | Brake pedal position                     | Brake light switch                  |
| 99  |      | Not used                                 |                                     |
| 100 | E    | Sport mode signal                        | Not used                            |
| 101 | E    | Manual mode signal                       | Program switch                      |
| 102 | E    | Output speed (-)                         | Transmission valve unit             |
| 103 | M    | Ground for shield                        | Shield for speed sensor             |
| 104 |      | Not used                                 |                                     |
| 105 | E    | S-program indication                     | Not used                            |
| 106 | E    | Kick-down signal                         | Kick-down switch                    |
| 107 |      | Not used                                 |                                     |
| 108 | E    | Automatic mode signal                    | Program switch                      |
| 109 | E    | Oil temperature signal (-)               | Transmission valve unit             |
| 110 | E    | Oil temperature signal (+)               | Transmission valve unit             |
| 111 |      | Not used                                 |                                     |
| 112 |      | Not used                                 |                                     |
| 113 | A    | Fault indicator signal                   | Instrument cluster                  |
| 114 | E    | Battery voltage                          | B+ junction point                   |
| 115 | E    | M-program indication                     | Program switch                      |
| 116 | M    | Ground                                   | Ground point                        |
| 117 |      | Not used                                 |                                     |
| 118 | A    | Solenoid valve 1 control (-)             | Transmission valve unit             |

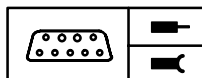
E = Input, A = Output, M = Ground



## Pin Assignments

| Pin | Type | Description/Function                               | Connection                          |
|-----|------|----------------------------------------------------|-------------------------------------|
| 119 |      | Not used                                           |                                     |
| 120 | A    | Torque converter clutch solenoid valve control (-) | Transmission valve unit             |
| 121 | A    | Solenoid valve 2 control (-)                       | Transmission valve unit             |
| 122 | M    | Ground                                             | Ground point                        |
| 123 |      | Not used                                           |                                     |
| 124 | E    | Gear range signal L1                               | Automatic transmission range switch |
| 125 | E    | Gear range signal L3                               | Automatic transmission range switch |
| 126 |      | Not used                                           |                                     |
| 127 |      | Not used                                           |                                     |
| 128 | E    | RPM speed signal TD                                | Engine control module               |
| 129 |      | Not used                                           |                                     |
| 130 | E    | Output speed (+)                                   | Transmission valve unit             |
| 131 |      | Not used                                           |                                     |
| 132 |      | Not used                                           |                                     |
| 133 | E    | A-program indication                               | Program switch                      |
| 134 | E    | A/C compressor-ON-signal                           | Engine control module               |
| 135 |      | Not used                                           |                                     |
| 136 | E    | Brake switch test signal                           | Brake light switch                  |
| 137 |      | Not used                                           |                                     |
| 138 |      | Not used                                           |                                     |
| 139 |      | Not used                                           |                                     |
| 140 | A    | Voltage supply                                     | Shift-lock/Transmission valve unit  |
| 141 | E    | Voltage pressure regulator                         | Transmission valve unit             |
| 142 | E    | Voltage supply, terminal 87                        | Engine control module relay         |
| 143 | E    | Voltage supply, terminal 87                        | Engine control module relay         |
| 144 |      | Not used                                           |                                     |
| 145 | E    | Cruise control signal                              | Cruise control module               |
| 146 |      | Not used                                           |                                     |
| 147 |      | Not used                                           |                                     |
| 148 | E    | Programming voltage                                | Data link connector                 |
| 149 |      | Not used                                           |                                     |

E = Input, A = Output, M = Ground

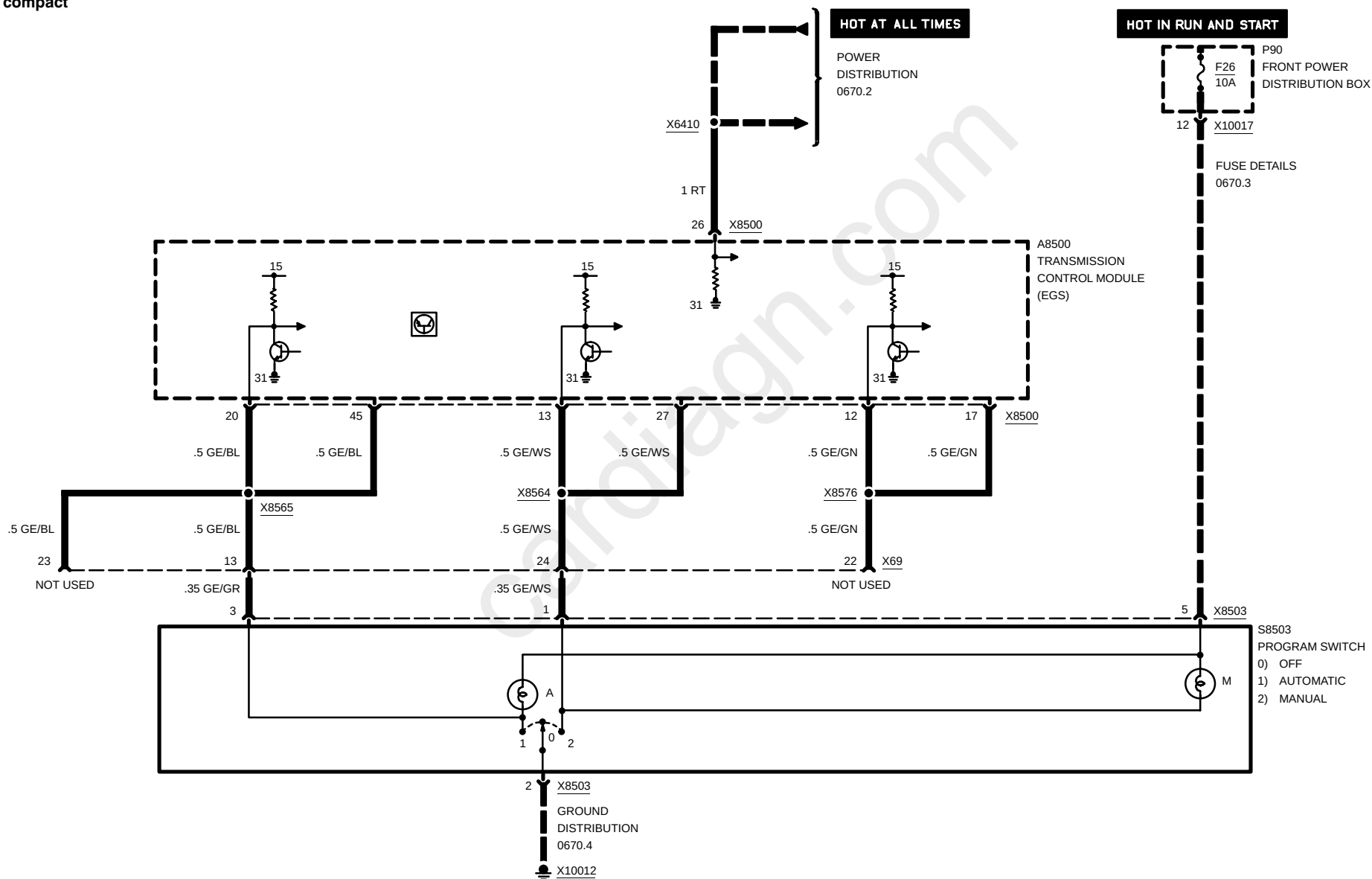


## Pin Assignments

| Pin | Type | Description/Function     | Connection                                |
|-----|------|--------------------------|-------------------------------------------|
| 150 |      | Not used                 |                                           |
| 151 |      | Not used                 |                                           |
| 152 |      | Not used                 |                                           |
| 153 |      | Not used                 |                                           |
| 154 |      | Not used                 |                                           |
| 155 |      | Not used                 |                                           |
| 156 |      | Not used                 |                                           |
| 157 |      | Not used                 |                                           |
| 158 |      | Not used                 |                                           |
| 159 |      | Not used                 |                                           |
| 160 |      | Not used                 |                                           |
| 161 |      | Not used                 |                                           |
| 162 |      | Not used                 |                                           |
| 163 |      | Not used                 |                                           |
| 164 |      | Not used                 |                                           |
| 165 |      | Not used                 |                                           |
| 166 |      | Not used                 |                                           |
| 167 |      | Not used                 |                                           |
| 168 |      | Not used                 |                                           |
| 169 |      | Not used                 |                                           |
| 170 |      | Not used                 |                                           |
| 171 |      | Not used                 |                                           |
| 172 |      | Not used                 |                                           |
| 173 | E/A  | Can-Low                  | Engine control module/Slip control module |
| 174 | E/A  | Can-High                 | Engine control module/Slip control module |
| 175 | A    | RxD diagnostic data link | Data link connector                       |
| 176 | E/A  | TxD diagnostic data link | Data link connector                       |

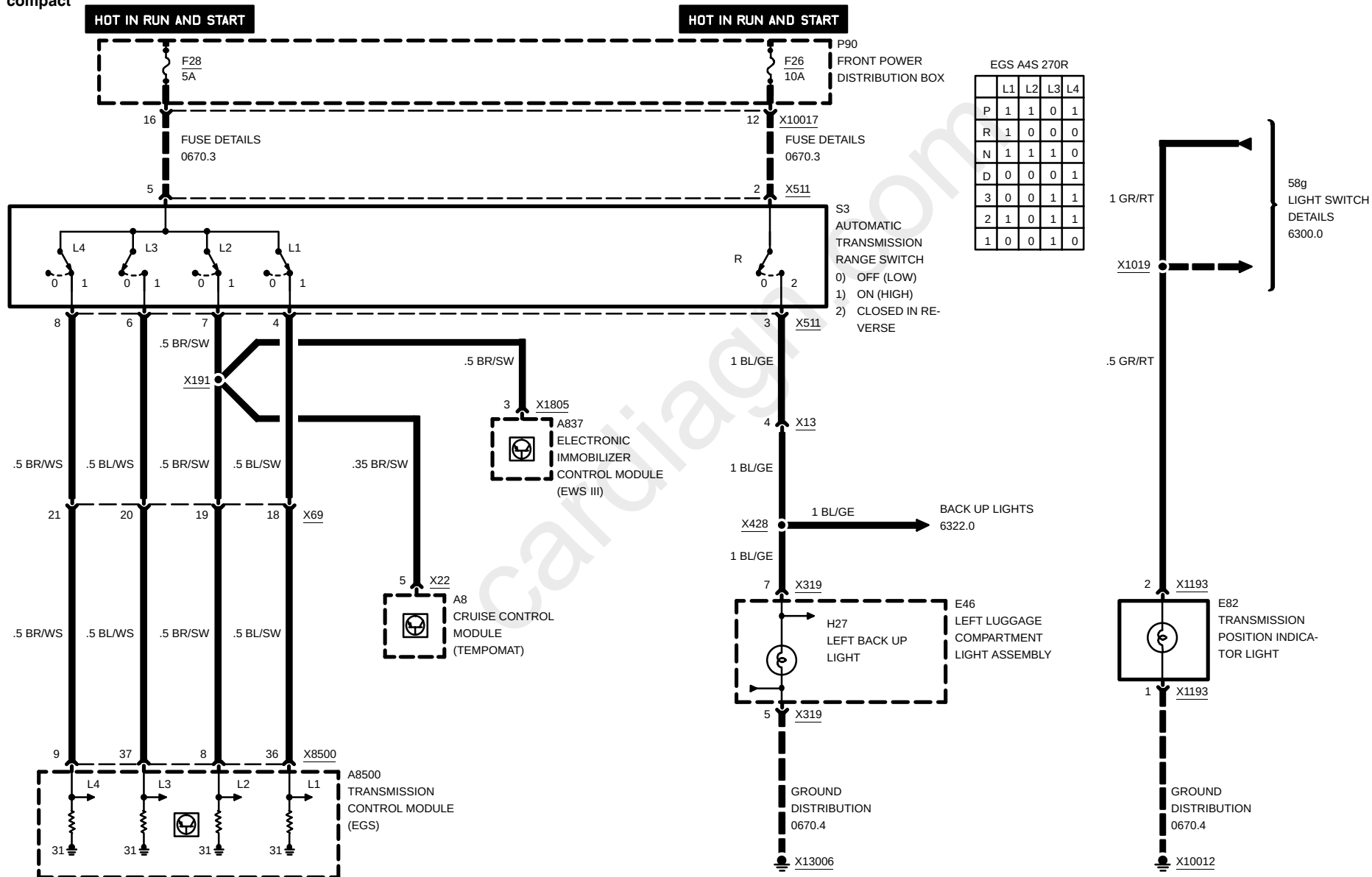
# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

## POWER, PROGRAM SWITCH

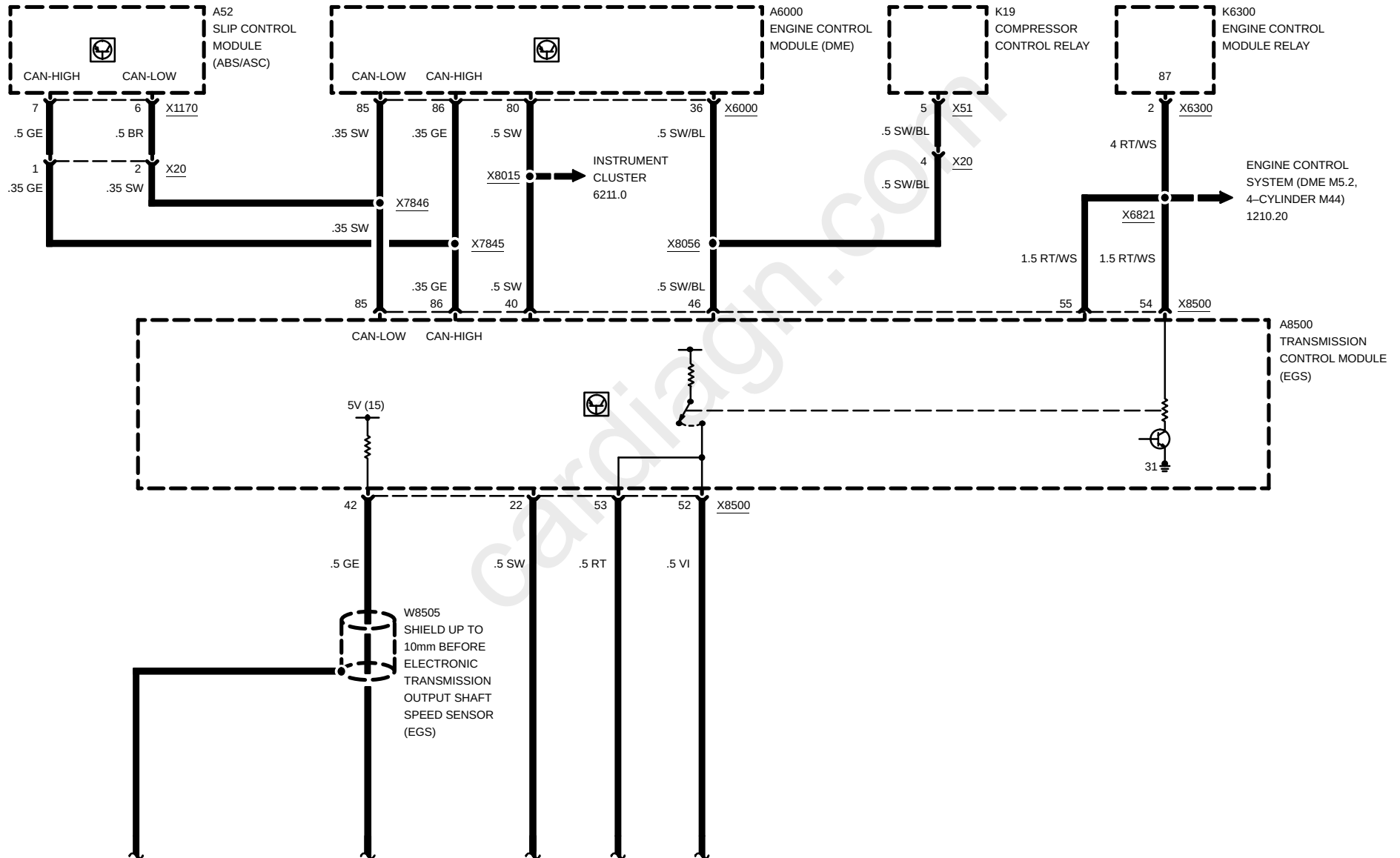


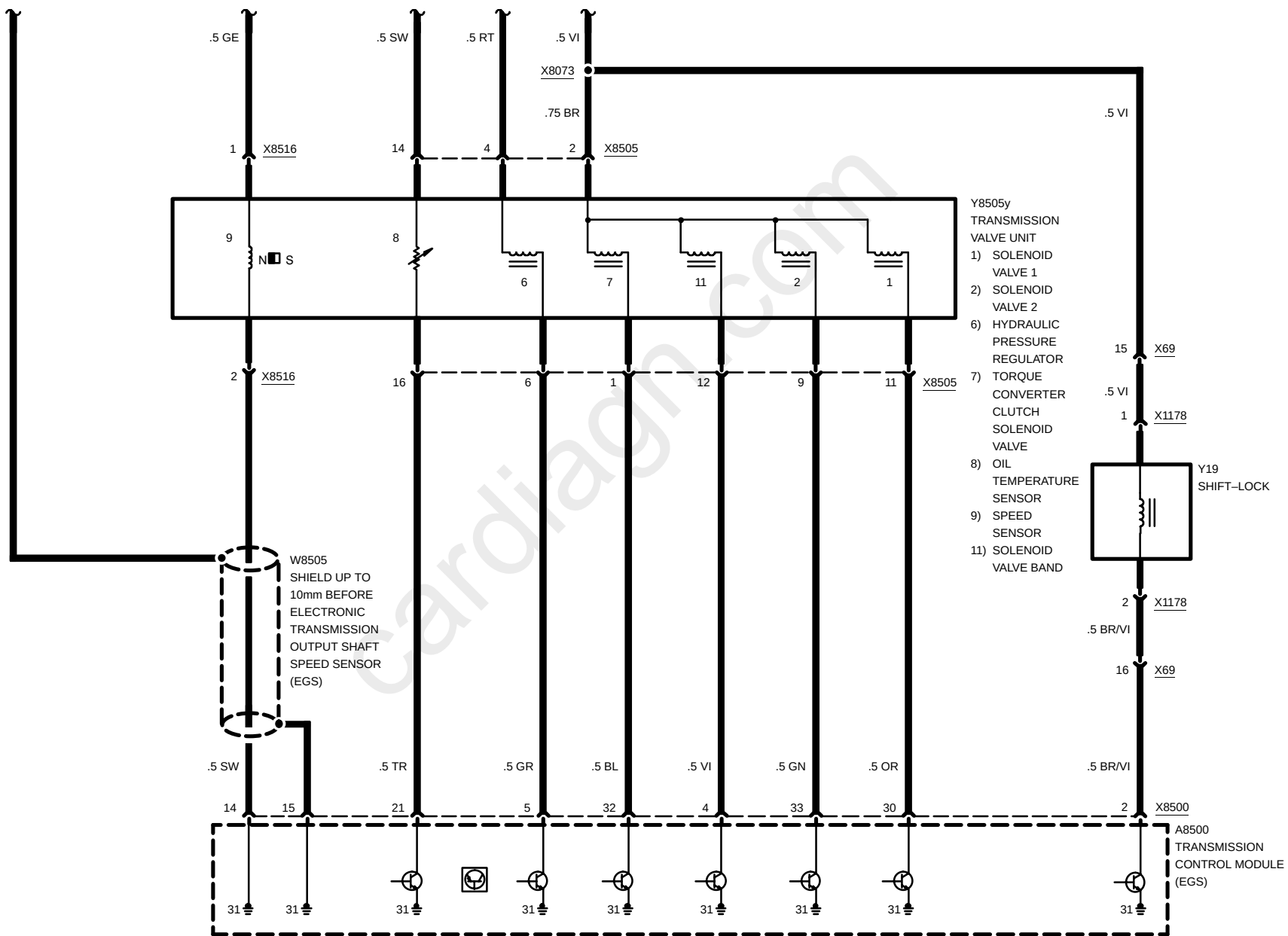
## ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

## GEAR SELECTOR SWITCH



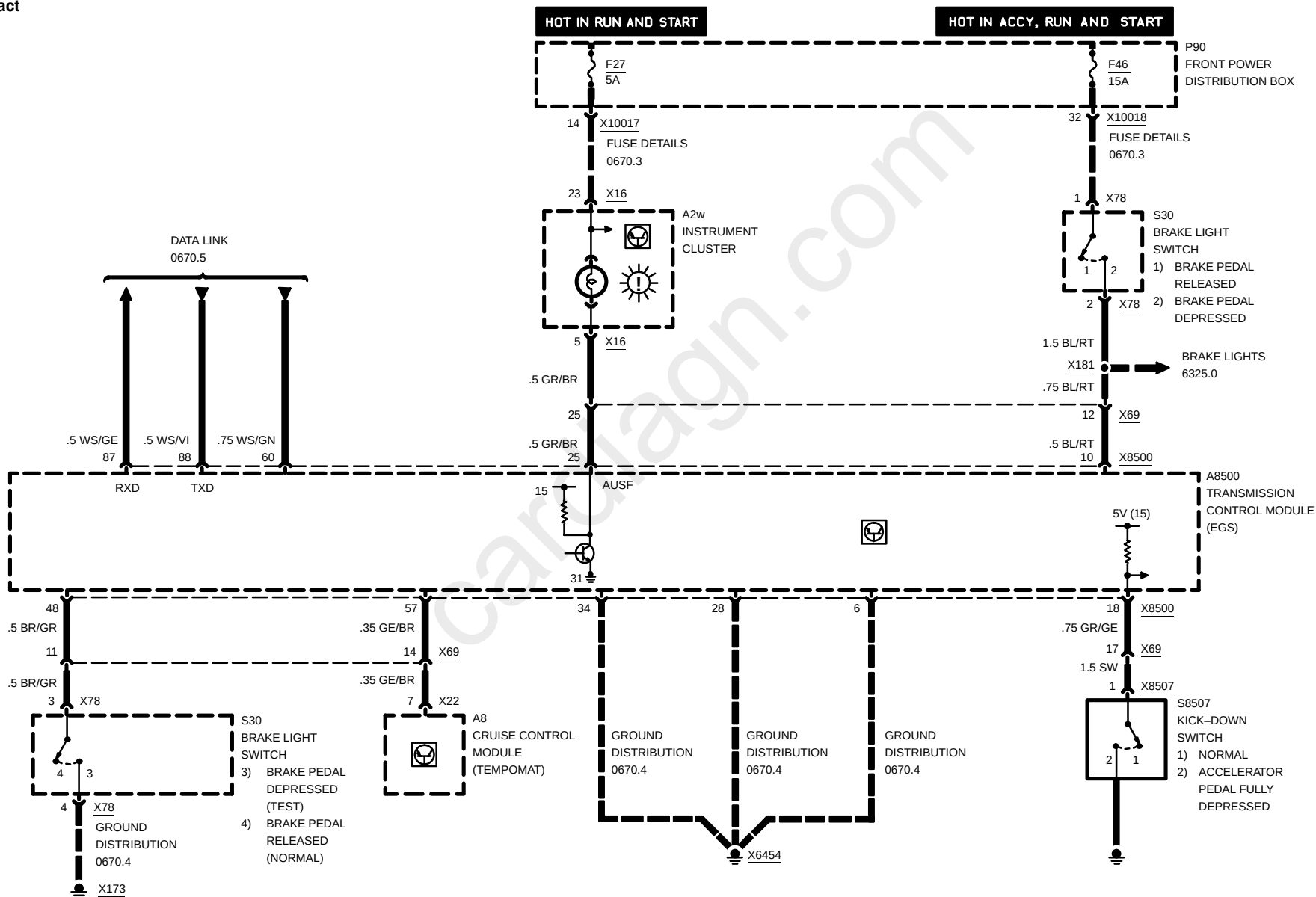
## ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

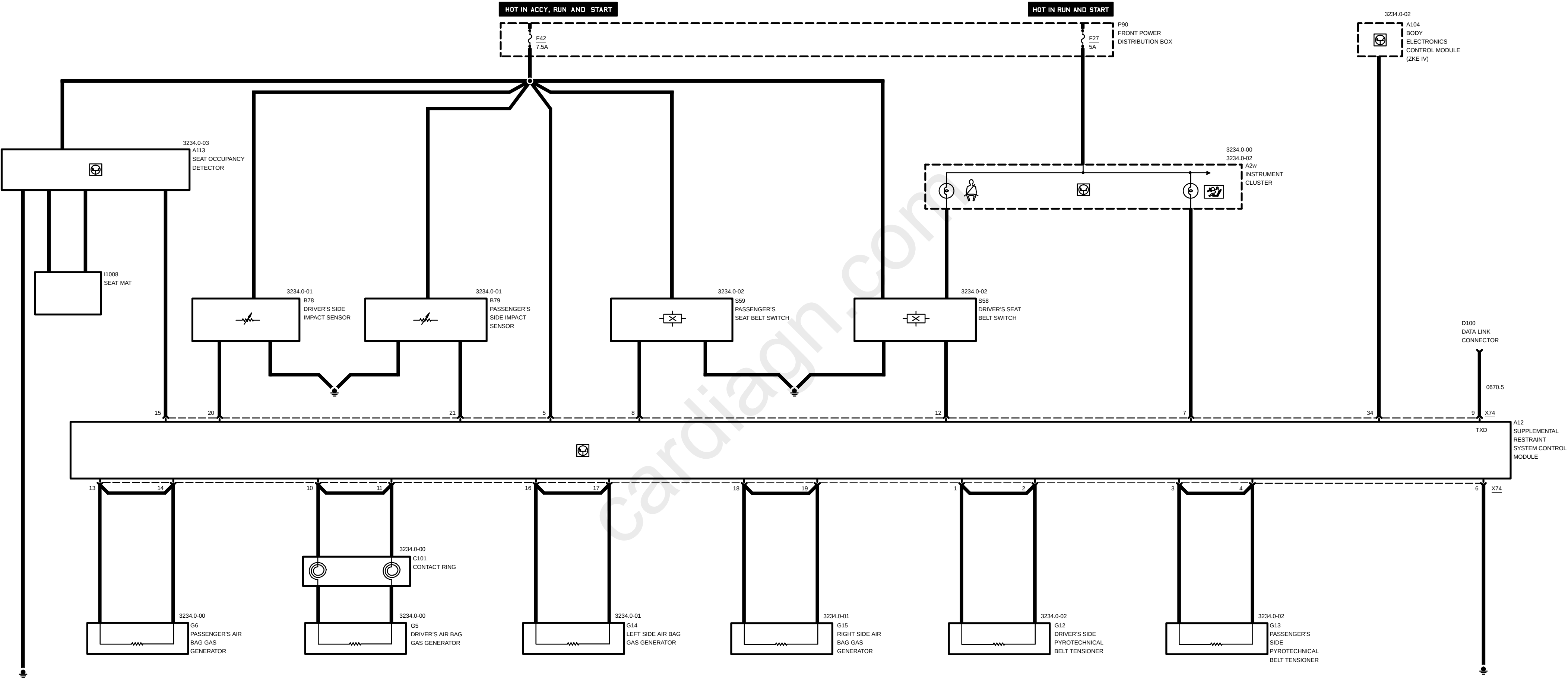


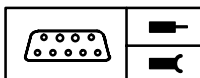


# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

## SHIFT LOCK, DATA LINK, KICK-DOWN SWITCH





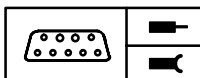


## Pin Assignments

### X74

| Pin | Type | Description/Function         | Connection                                    |
|-----|------|------------------------------|-----------------------------------------------|
| 1   | A    | Pyrotechnical belt tensioner | Driver's side pyrotechnical belt tensioner    |
| 2   | A    | Pyrotechnical belt tensioner | Driver's side pyrotechnical belt tensioner    |
| 3   | A    | Pyrotechnical belt tensioner | Passenger's side pyrotechnical belt tensioner |
| 4   | A    | Pyrotechnical belt tensioner | Passenger's side pyrotechnical belt tensioner |
| 5   | E    | Power supply                 | Front power distribution box, fuse 42         |
| 6   | M    | Ground                       | Ground point                                  |
| 7   | A    | Air bag warning indicator    | Instrument cluster                            |
| 8   | E    | Belt switch                  | Passenger's seat belt switch                  |
| 9   | E/A  | TxD diagnostic data line     | Data link connector                           |
| 10  | A    | Air bag (+)                  | Driver's air bag gas generator                |
| 11  | A    | Air bag (-)                  | Driver's air bag gas generator                |
| 12  | E    | Belt switch                  | Driver's seat belt switch                     |
| 13  | A    | Air bag (+)                  | Passenger's air bag gas generator             |
| 14  | A    | Air bag (-)                  | Passenger's air bag gas generator             |
| 15  | E    | Seat occupancy detector      | Seat occupancy detector                       |
| 16  | A    | Gas generator                | Gas generator, left side air bag              |
| 17  | A    | Gas generator                | Gas generator, left side air bag              |
| 18  | A    | Gas generator                | Gas generator, right side air bag             |
| 19  | A    | Gas generator                | Gas generator, right side air bag             |
| 20  | E    | Impact sensor                | Driver's side impact sensor                   |
| 21  | E    | Impact sensor                | Passenger's side impact sensor                |
| 22  |      | Not used                     |                                               |
| 23  |      | Not used                     |                                               |
| 24  |      | Not used                     |                                               |
| 25  |      | Not used                     |                                               |
| 26  |      | Not used                     |                                               |
| 27  |      | Not used                     |                                               |
| 28  |      | Not used                     |                                               |
| 29  |      | Not used                     |                                               |

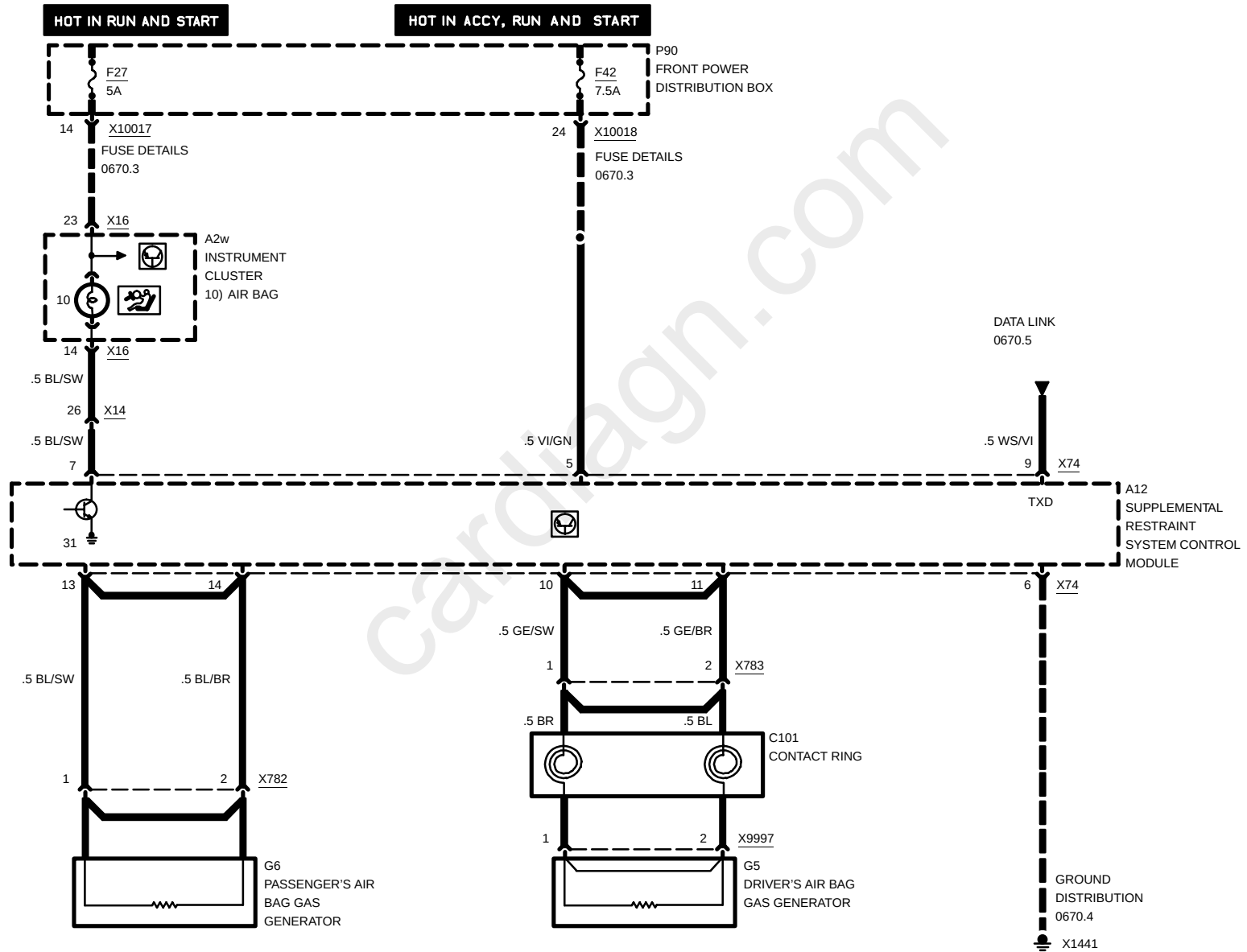
E = Input, A = Output, M = Ground



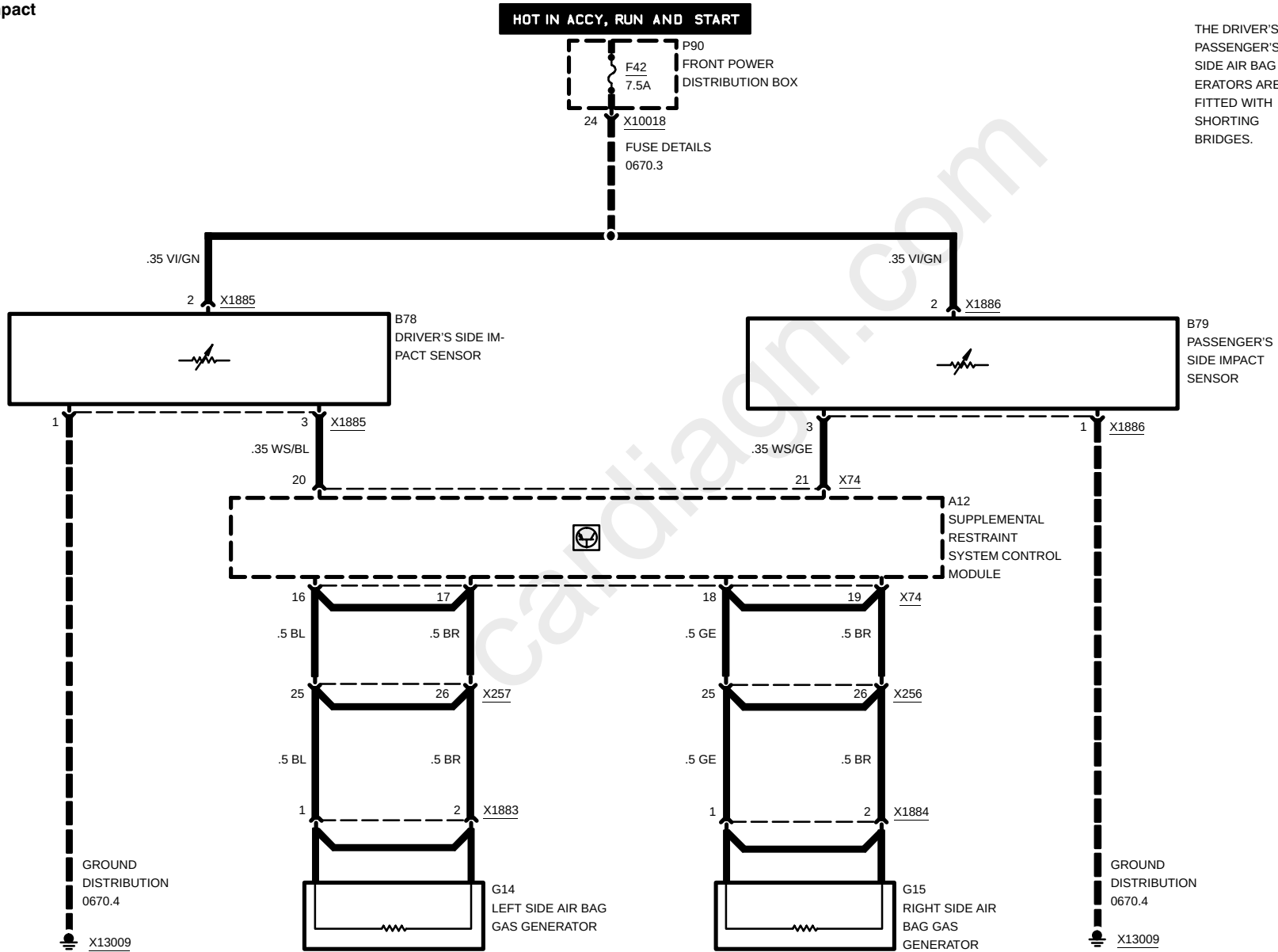
## Pin Assignments

| Pin | Type | Description/Function | Connection                               |
|-----|------|----------------------|------------------------------------------|
| 30  |      | Not used             |                                          |
| 31  |      | Not used             |                                          |
| 32  |      | Not used             |                                          |
| 33  |      | Not used             |                                          |
| 34  | A    | Crash signal         | Body electronics control module (ZKE IV) |
| 35  |      | Not used             |                                          |
| 36  |      | Not used             |                                          |
| 37  |      | Not used             |                                          |
| 38  |      | Not used             |                                          |
| 39  |      | Not used             |                                          |
| 40  |      | Not used             |                                          |
| 41  |      | Not used             |                                          |
| 42  |      | Not used             |                                          |
| 43  |      | Not used             |                                          |
| 44  |      | Not used             |                                          |
| 45  |      | Not used             |                                          |
| 46  |      | Not used             |                                          |
| 47  |      | Not used             |                                          |
| 48  |      | Not used             |                                          |
| 49  |      | Not used             |                                          |
| 50  |      | Not used             |                                          |

# SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



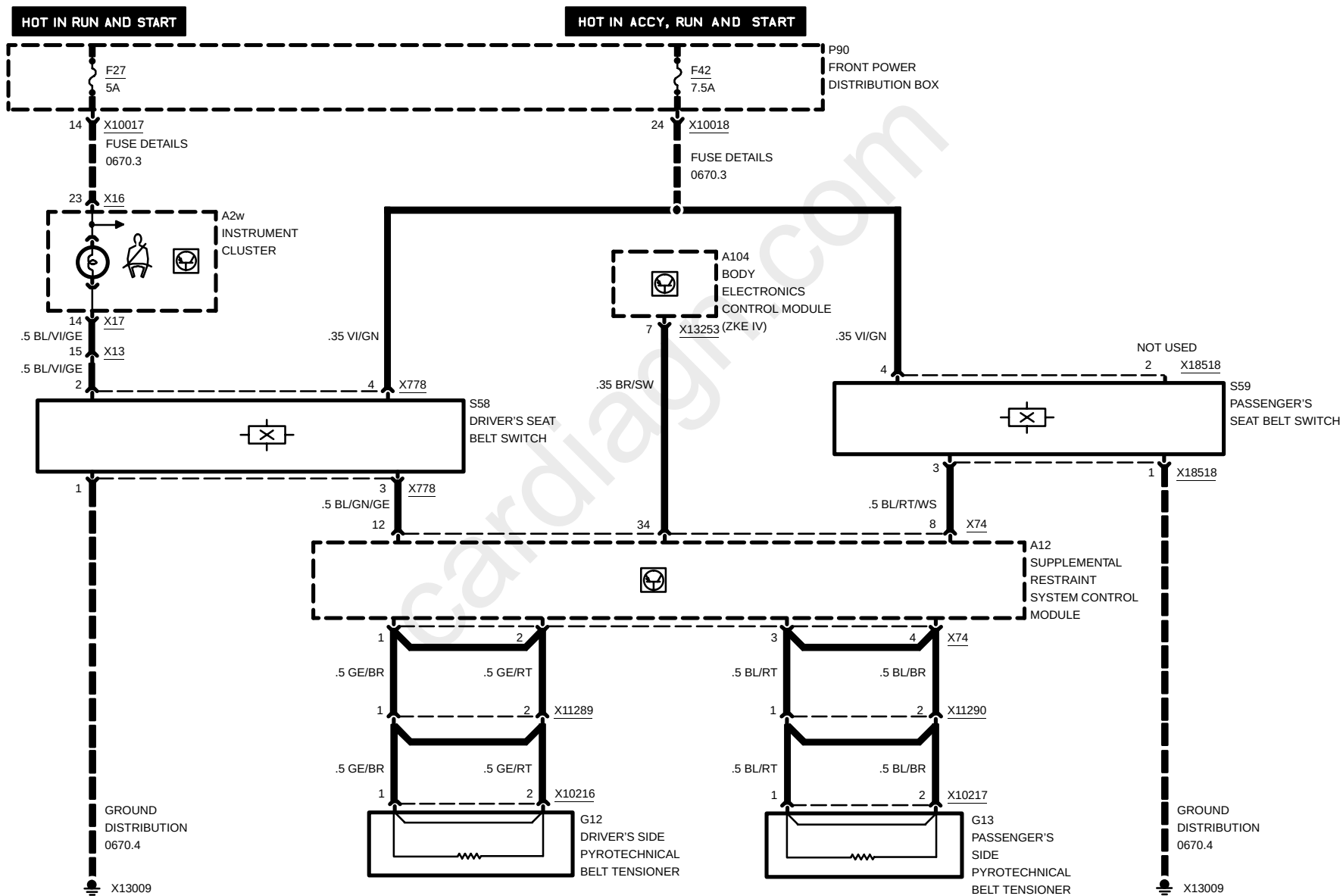
# SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



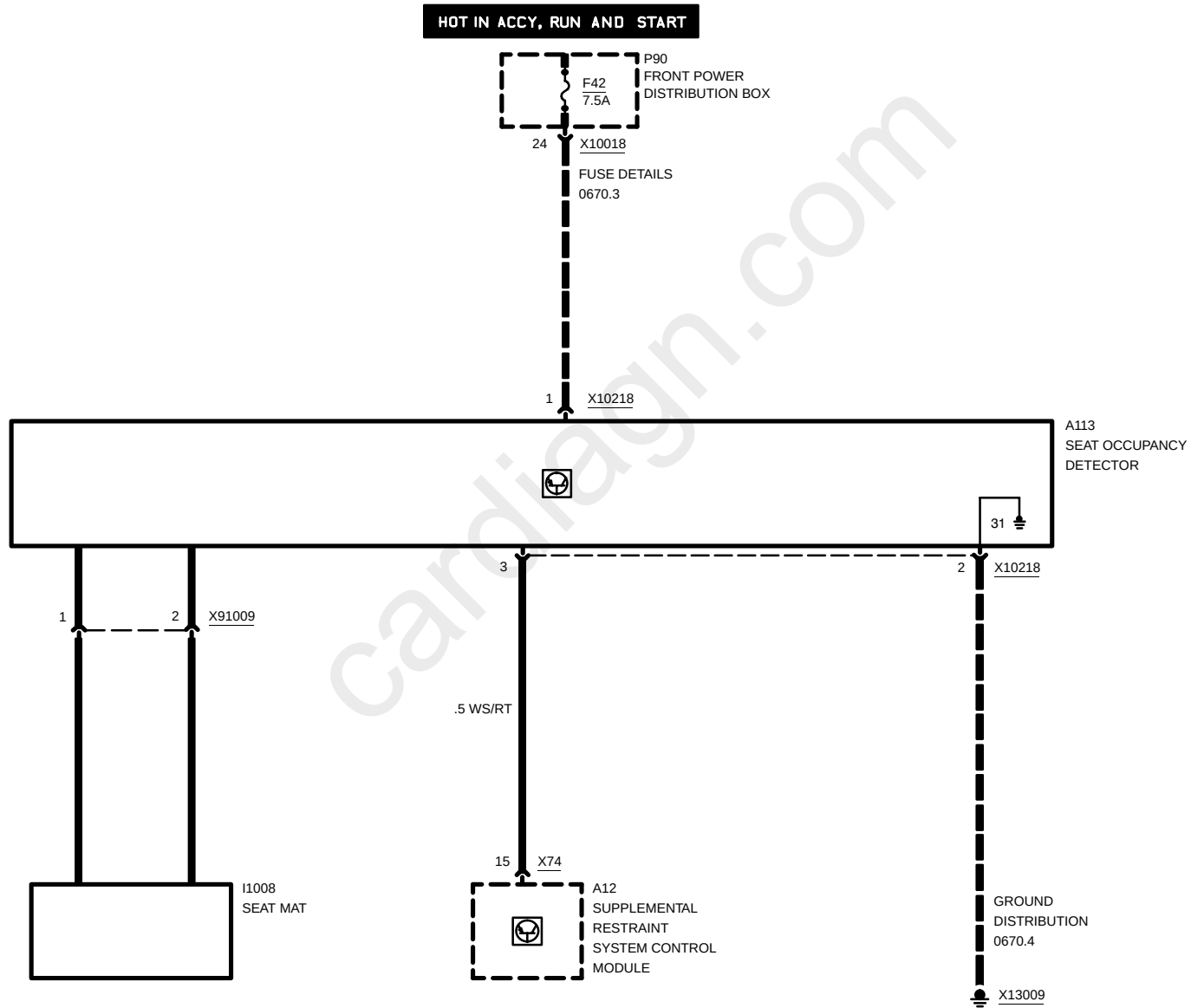
THE DRIVER'S AND PASSENGER'S AND SIDE AIR BAG GENERATORS ARE FITTED WITH SHORTING BRIDGES.

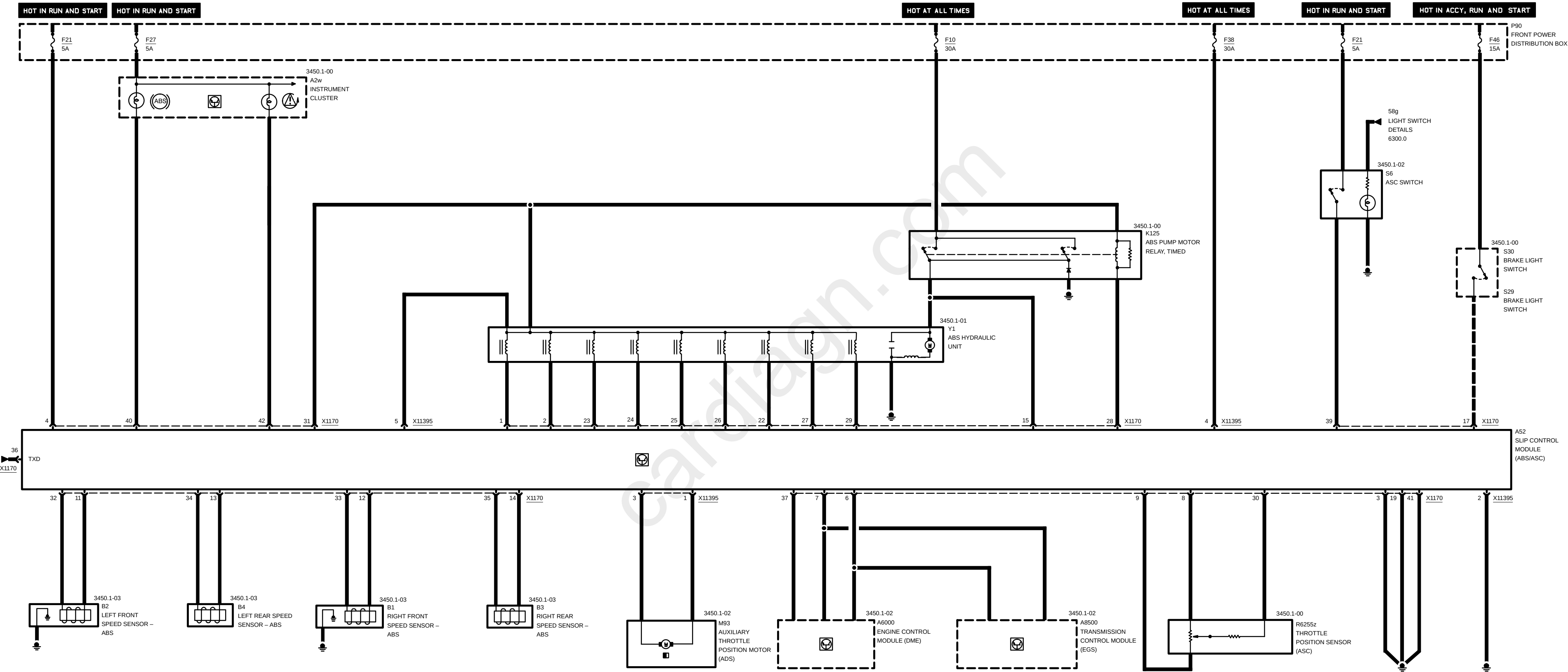
THE BRIDGES SHORT THE GENERATOR LEADS TOGETHER TO PREVENT UNINTENTIONAL TRIGGERING OF THE IGNITER WHEN WORKING ON THE AIR BAG SYSTEM.

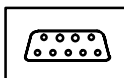
# SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



## SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)





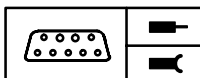


## Pin Assignments

### X1170

| Pin | Type | Description/Function                | Connection                              |
|-----|------|-------------------------------------|-----------------------------------------|
| 1   | A    | Left front outlet valve             | ABS hydraulic unit                      |
| 2   | A    | Left front inlet valve              | ABS hydraulic unit                      |
| 3   | M    | Ground                              | Ground point                            |
| 4   | E    | Voltage supply                      | Fuse 21                                 |
| 5   |      | Not used                            |                                         |
| 6   | E/A  | CAN-LOW                             | DME/EGS module                          |
| 7   | E/A  | CAN-HIGH                            | DME/EGS module                          |
| 8   | A    | Accelerator pedal position, voltage | Accelerator pedal position sensor (ASC) |
| 9   | M    | Accelerator pedal position, ground  | Accelerator pedal position sensor (ASC) |
| 10  |      | Not used                            |                                         |
| 11  | E    | Speed signal                        | Left front speed sensor ABS             |
| 12  | E    | Speed signal                        | Right front speed sensor ABS            |
| 13  | E    | Speed signal                        | Left rear speed sensor ABS              |
| 14  | E    | Speed signal                        | Right rear speed sensor ABS             |
| 15  | E    | Signal pump motor                   | ABS pump motor relay, timed             |
| 16  |      | Not used                            |                                         |
| 17  | E    | Brake pedal position                | Brake light switch                      |
| 18  |      | Not used                            |                                         |
| 19  | M    | Ground                              | Ground point                            |
| 20  |      | Not used                            |                                         |
| 21  |      | Not used                            |                                         |
| 22  | A    | Right rear outlet valve             | ABS hydraulic unit                      |
| 23  | A    | Right front inlet valve             | ABS hydraulic unit                      |
| 24  | A    | Right front outlet valve            | ABS hydraulic unit                      |
| 25  | A    | Left rear outlet valve              | ABS hydraulic unit                      |
| 26  | A    | Left rear inlet valve               | ABS hydraulic unit                      |
| 27  | A    | Right rear inlet valve              | ABS hydraulic unit                      |
| 28  | A    | Activate relay                      | ABS pump motor relay, timed             |
| 29  | A    | Seperator valve                     | ABS hydraulic unit                      |
| 30  | E    | Accelerator pedal position, signal  | Accelerator pedal position sensor (ASC) |

E = Input, A = Output, M = Ground



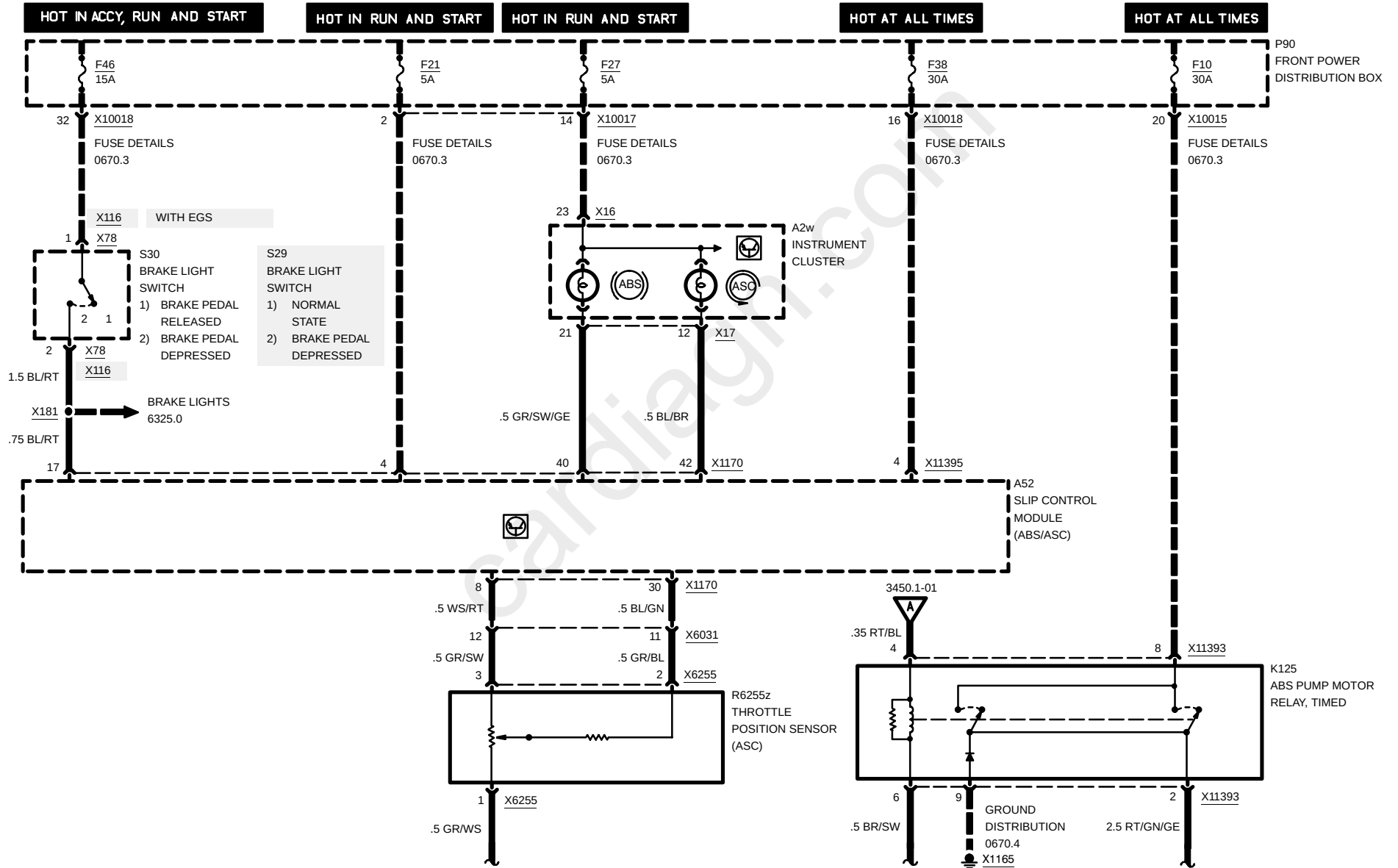
## Pin Assignments

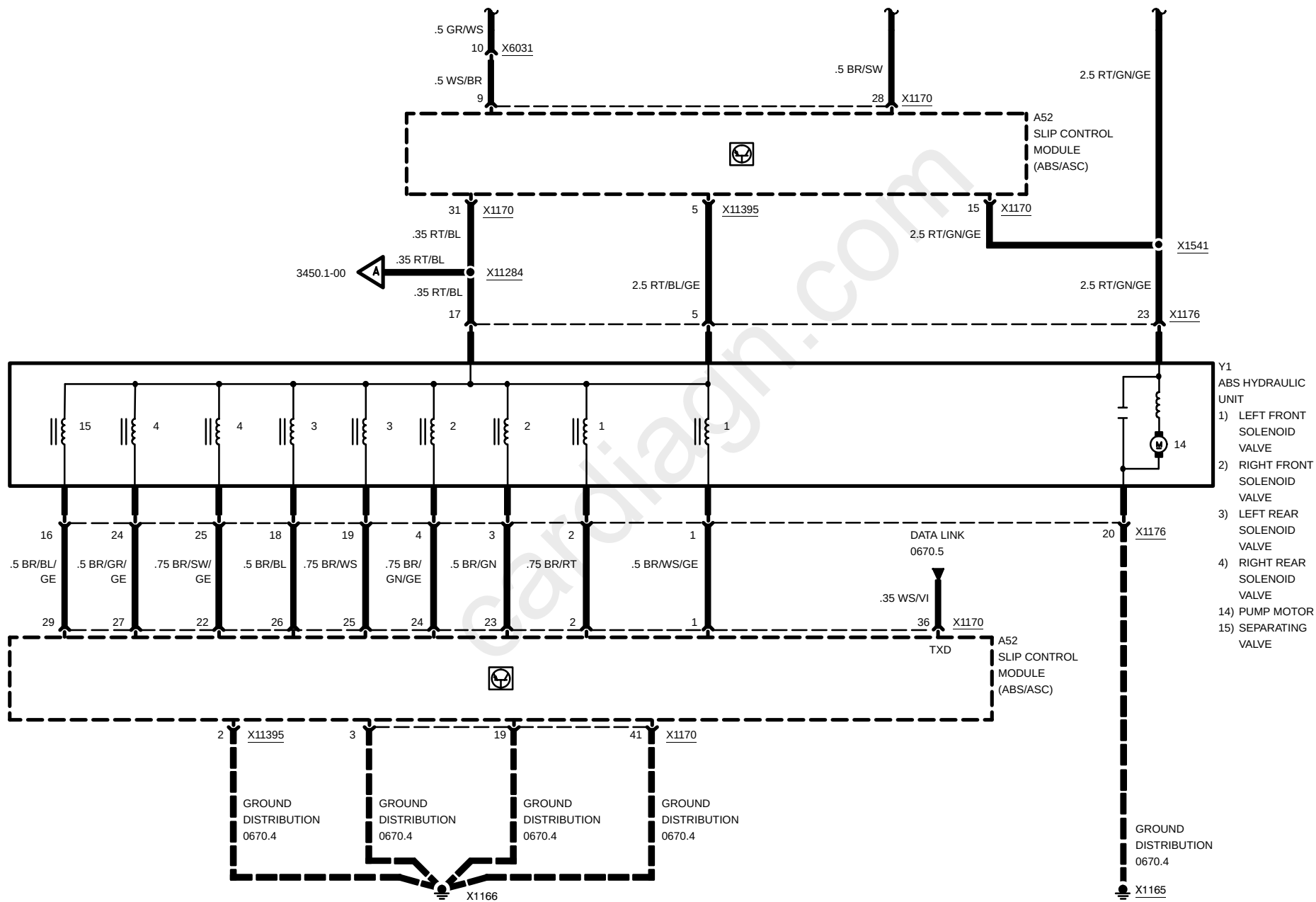
| Pin | Type | Description/Function     | Connection                          |
|-----|------|--------------------------|-------------------------------------|
| 31  | A    | ABS signal               | ABS pump motor relay/Hydraulic unit |
| 32  | A    | Sensor ground            | Left front speed sensor ABS         |
| 33  | A    | Sensor ground            | Right front speed sensor ABS        |
| 34  | A    | Sensor ground            | Left rear speed sensor ABS          |
| 35  | A    | Sensor ground            | Right rear speed sensor ABS         |
| 36  | E/A  | TxD diagnostic data link | Data link connector                 |
| 37  | A    | Speed signal, right rear | DME module                          |
| 38  |      | Not used                 |                                     |
| 39  | E    | ASC signal               | ASC switch                          |
| 40  | A    | ABS signal               | Instrument cluster                  |
| 41  | M    | Ground                   | Ground point                        |
| 42  | A    | ASC signal               | Instrument cluster                  |

### X11395

| Pin | Type | Description/Function                 | Connection                              |
|-----|------|--------------------------------------|-----------------------------------------|
| 1   | A    | Auxiliary throttle position, voltage | Auxiliary throttle position motor (ADS) |
| 2   | M    | Ground                               | Ground point                            |
| 3   | A    | Auxiliary throttle position, ground  | Auxiliary throttle position motor (ADS) |
| 4   | E    | Voltage supply                       | Fuse 38                                 |
| 5   | A    | ABS signal                           | ABS hydraulic unit                      |

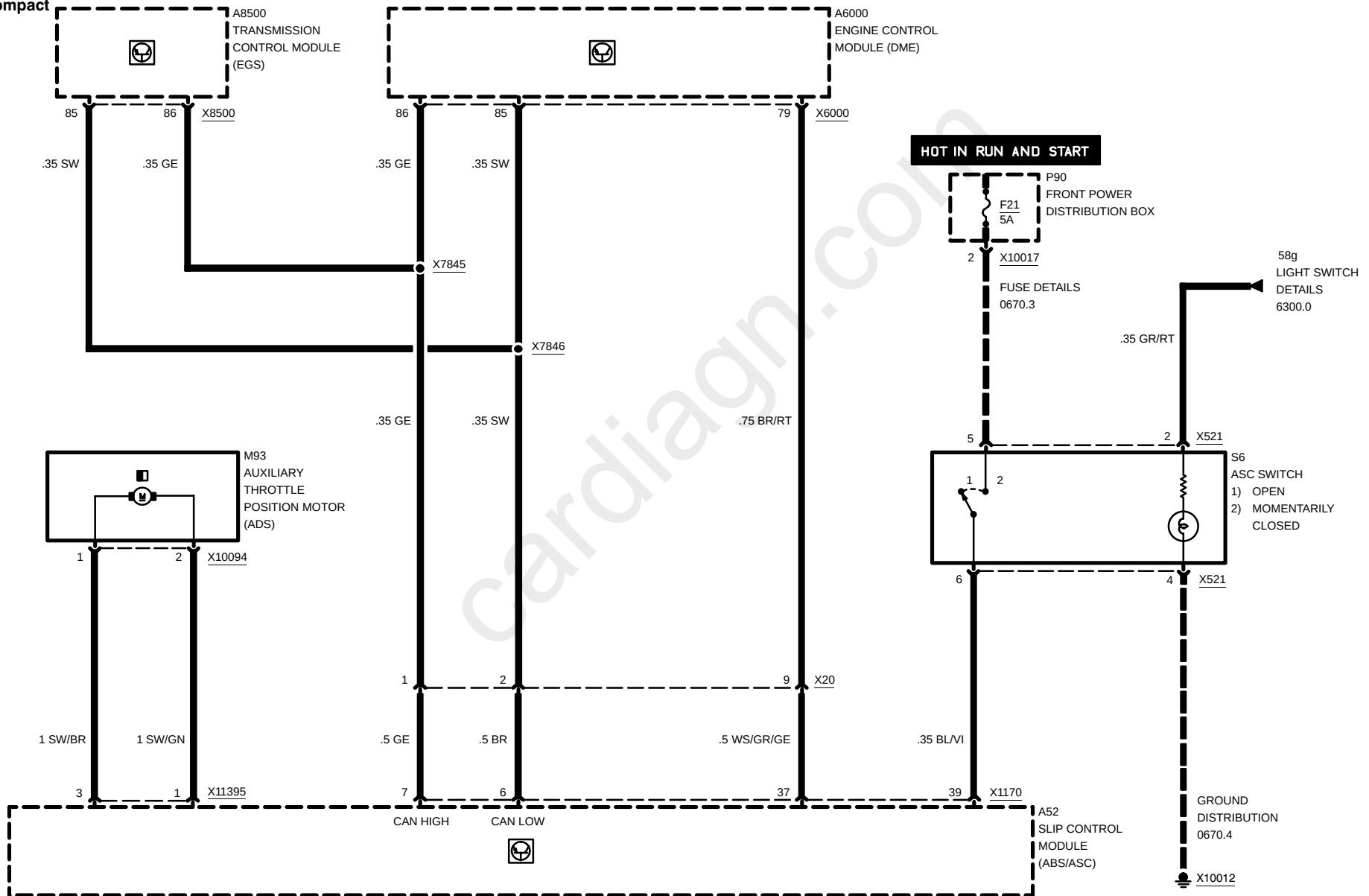
# SLIP CONTROL (ABS/ASC)



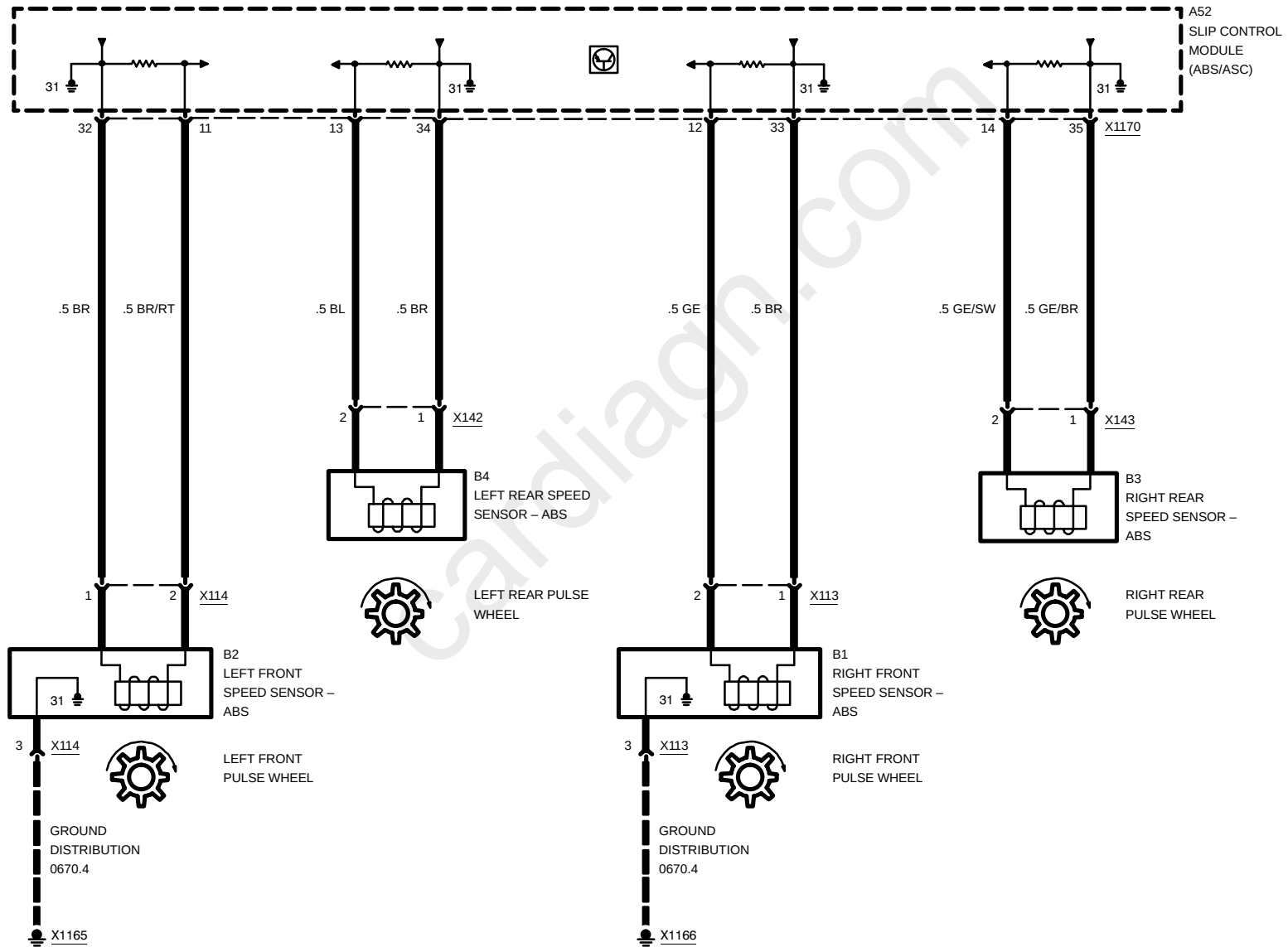




## SLIP CONTROL (ABS/ASC)

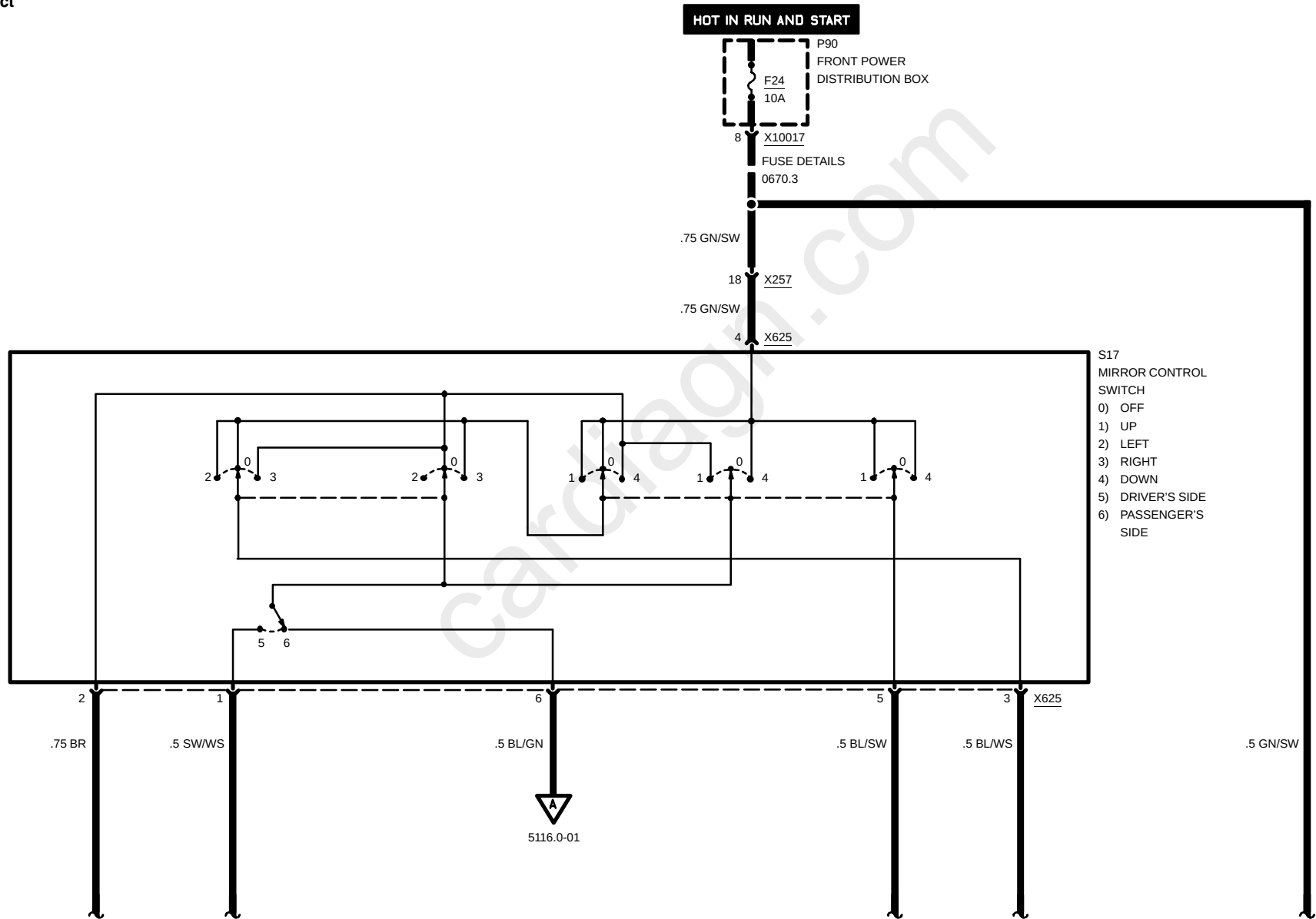


# SLIP CONTROL (ABS/ASC)



# 5116.0 POWER MIRRORS

## OUTSIDE MIRROR

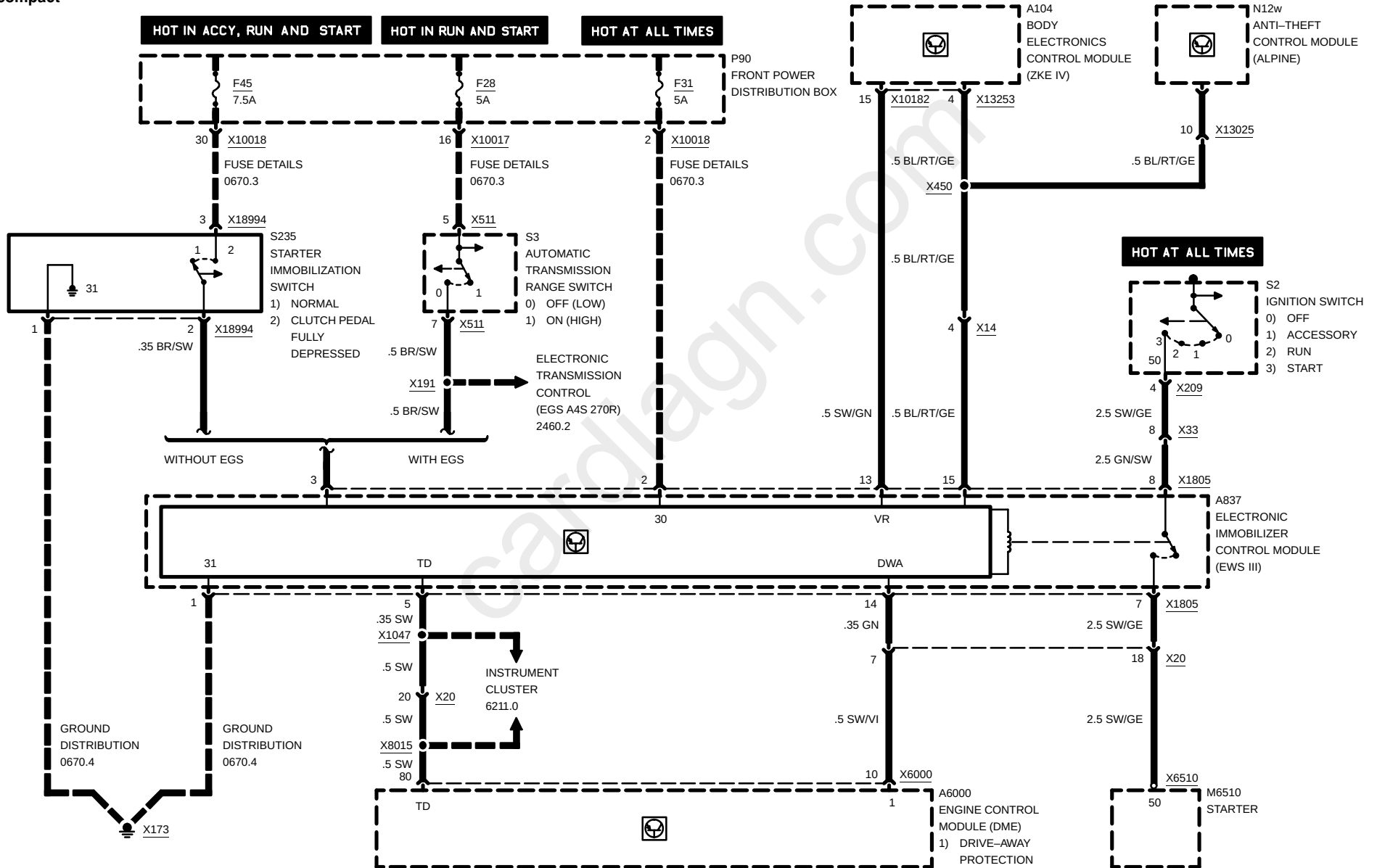


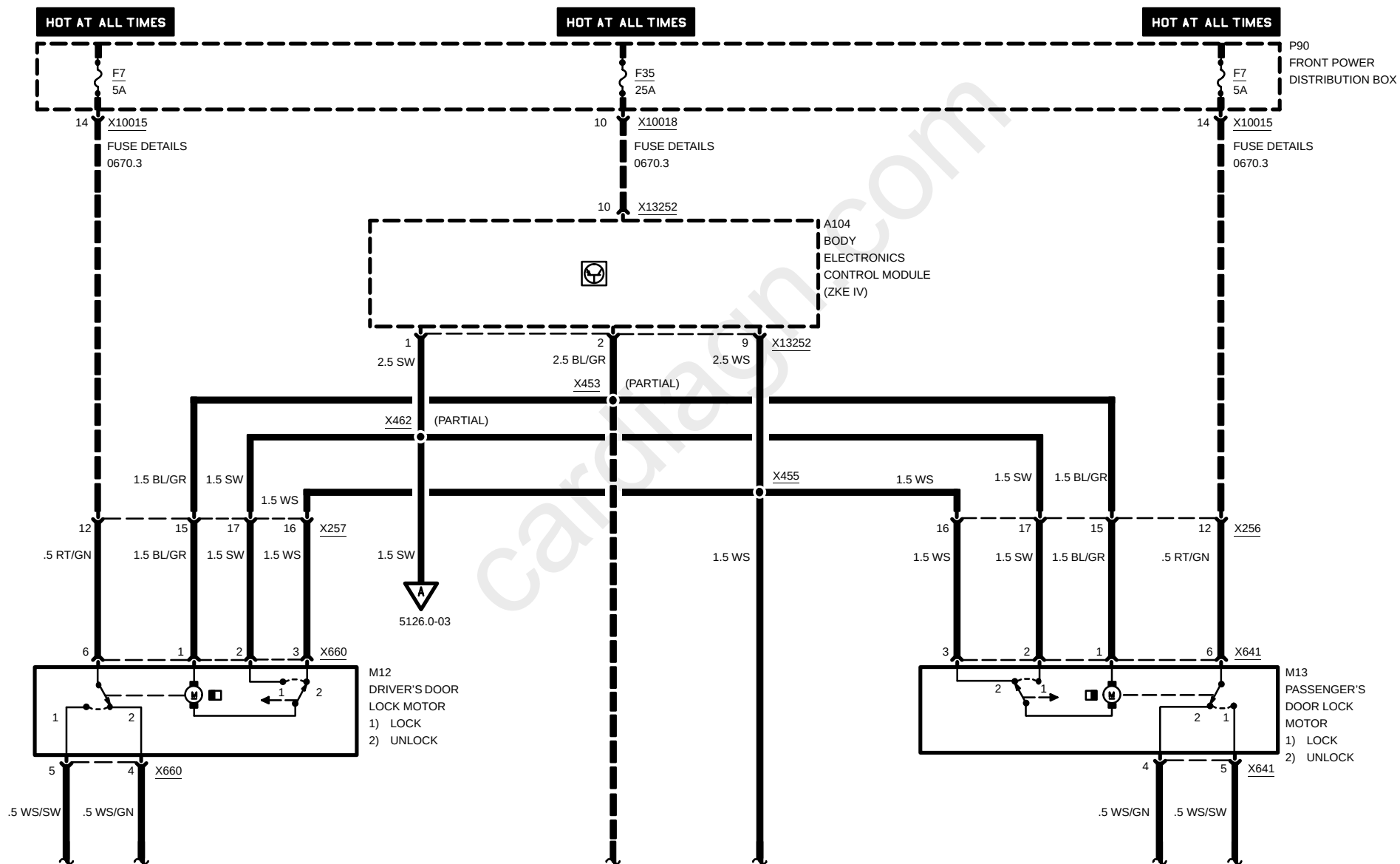


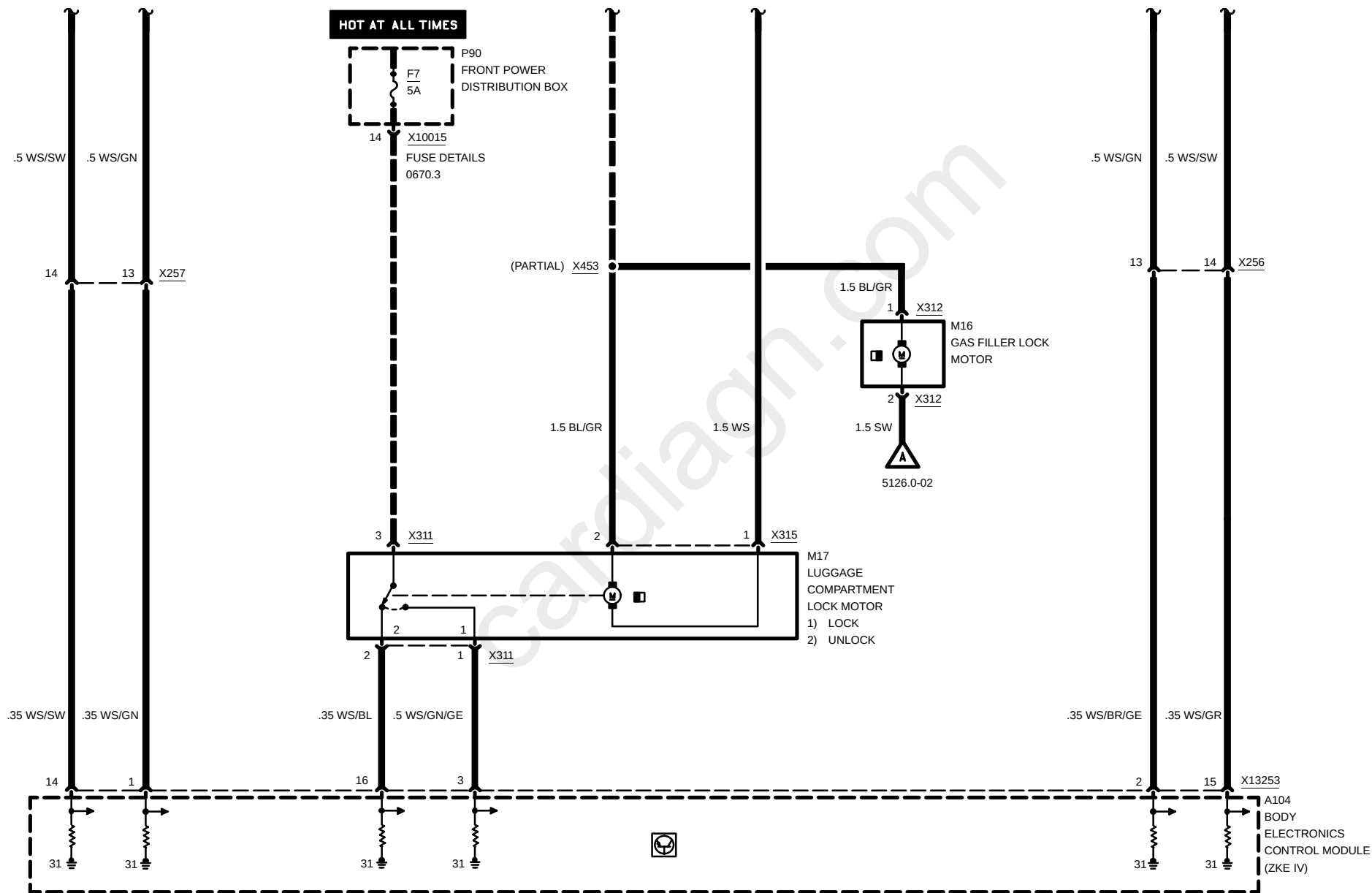


# ZKE CENTRAL LOCKING (ZV)

## DRIVE-AWAY PROTECTION

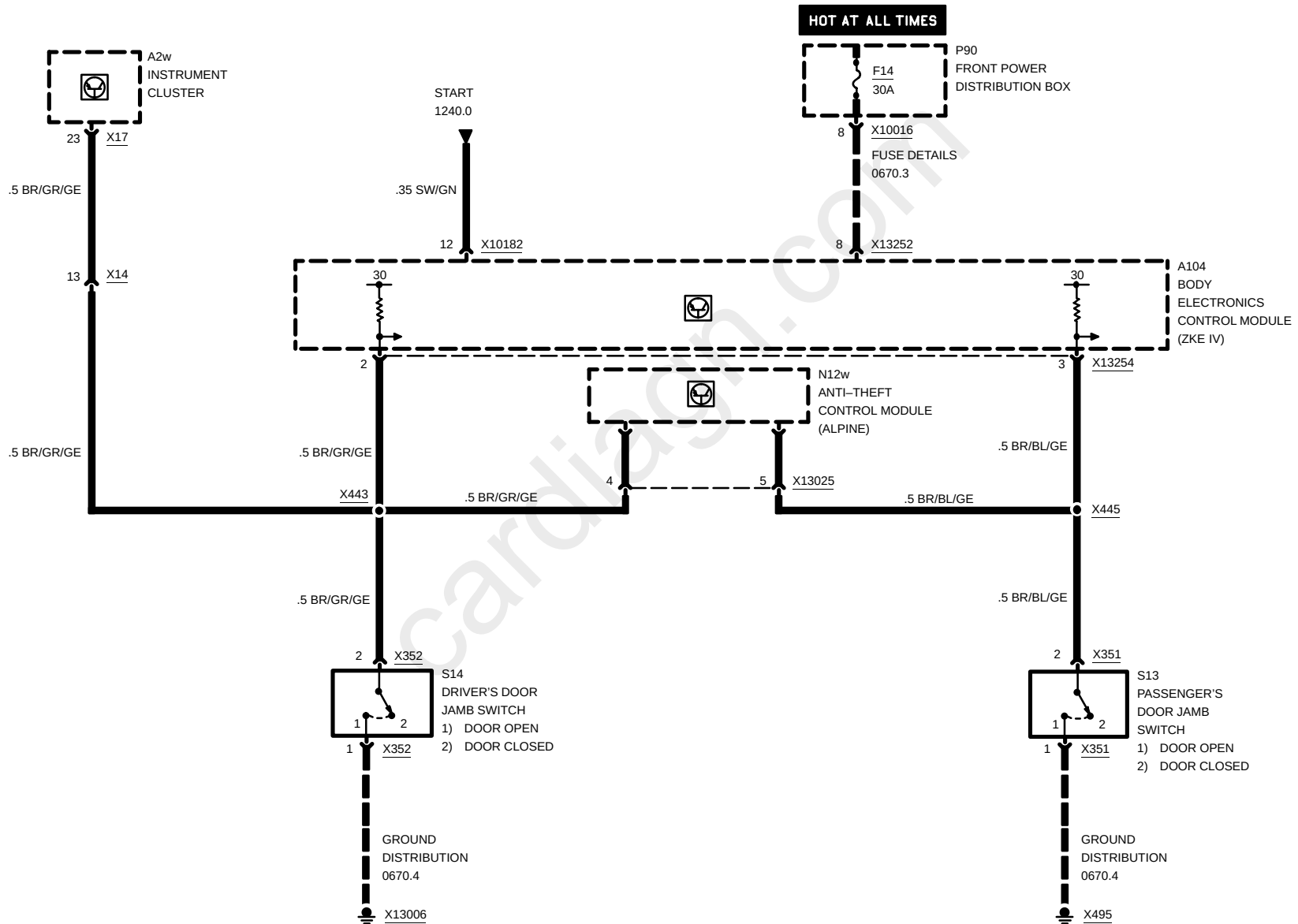






# 5133.0 POWER WINDOWS (FH)

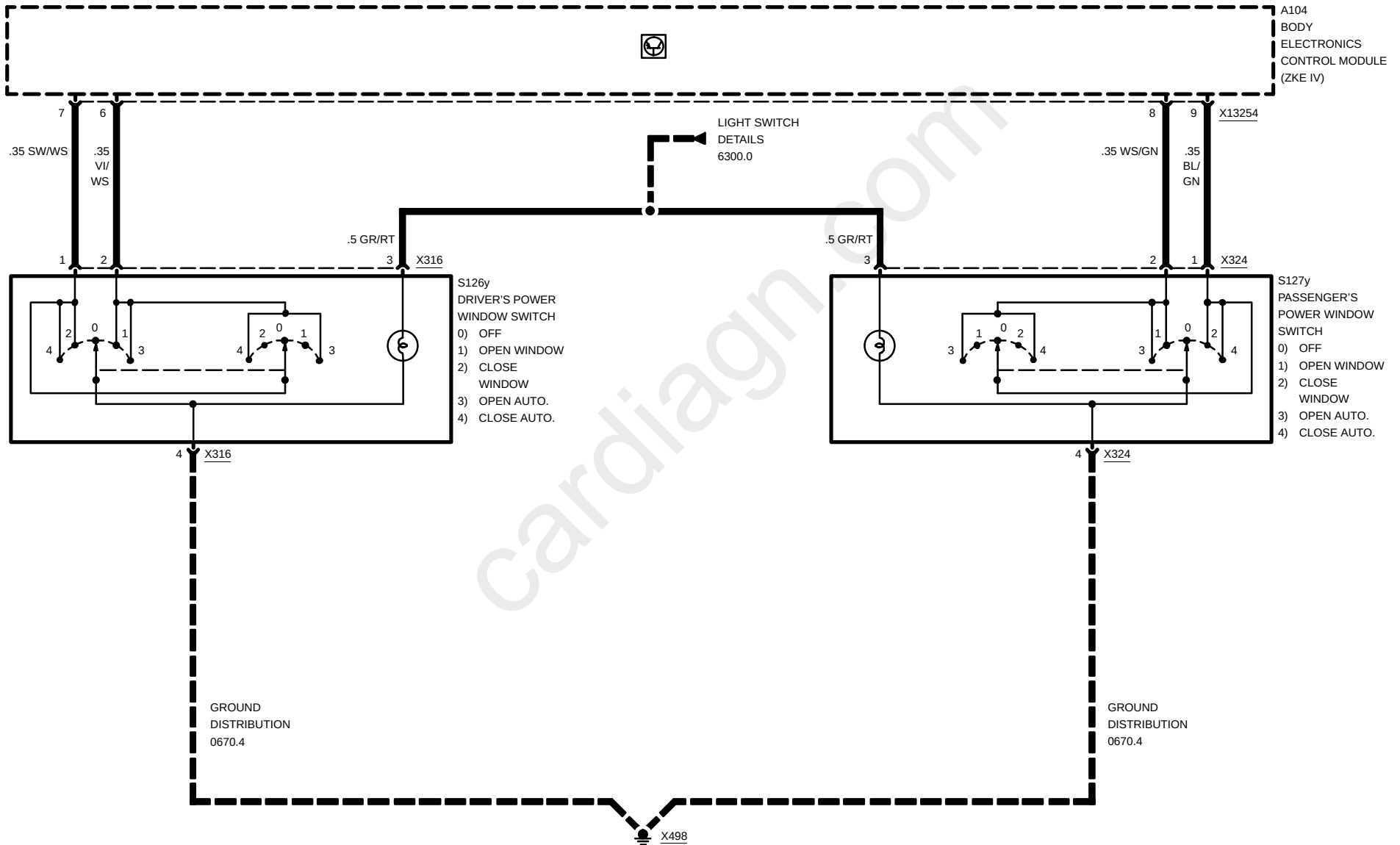
## INPUT DETAILS





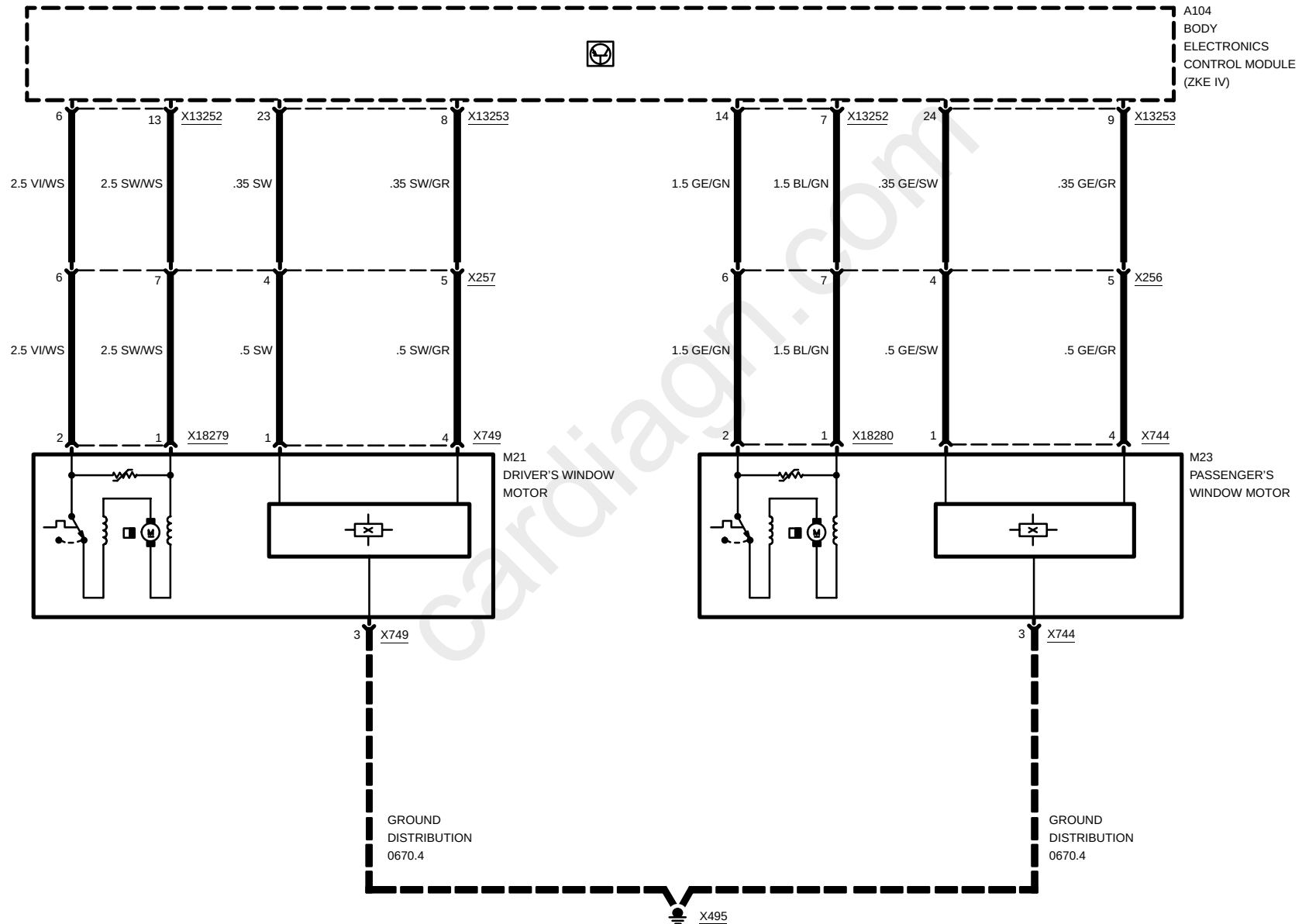
# POWER WINDOWS (FH)

## INPUT DETAILS



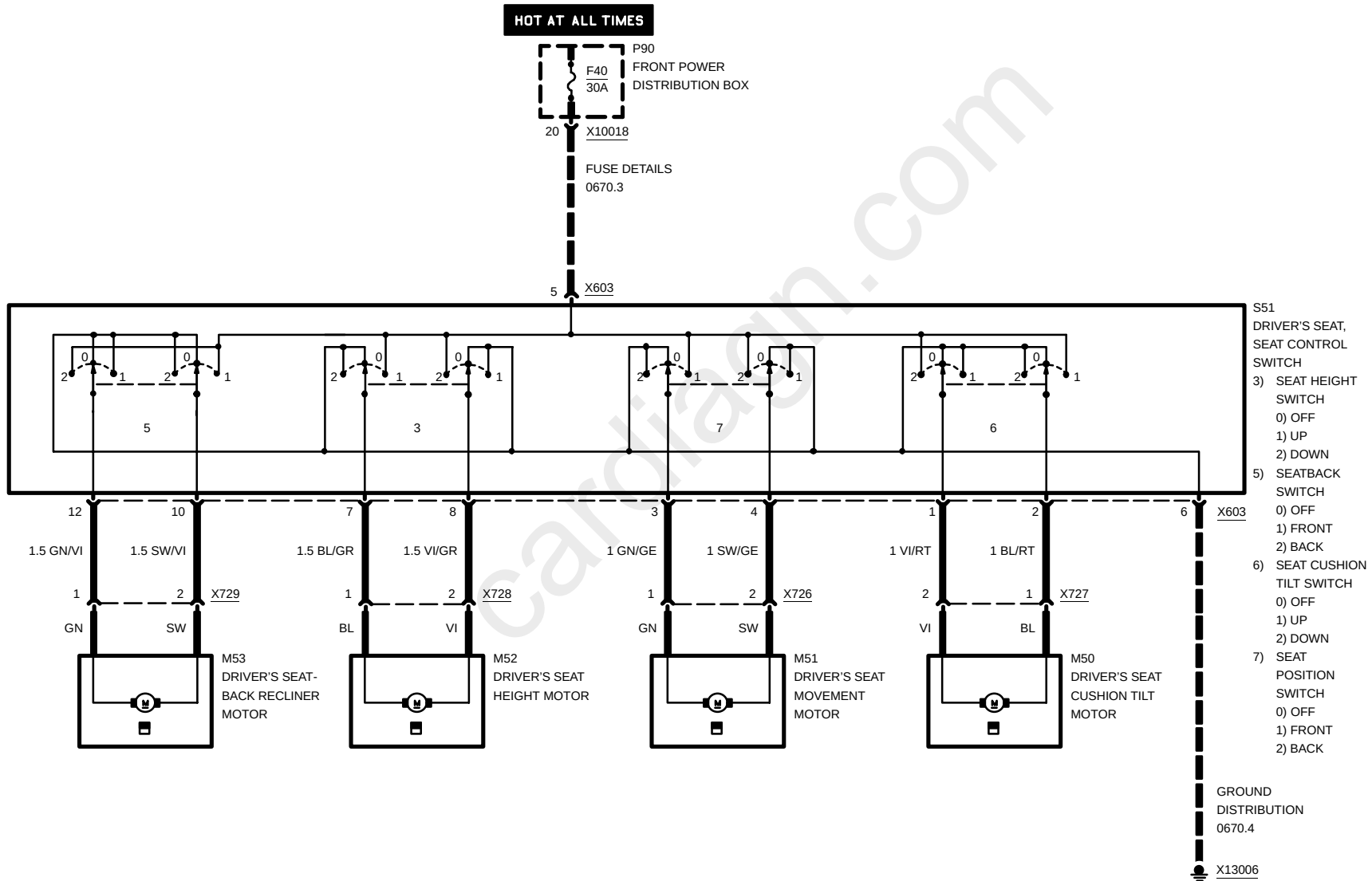
# POWER WINDOWS (FH)

## OUTPUT DETAILS



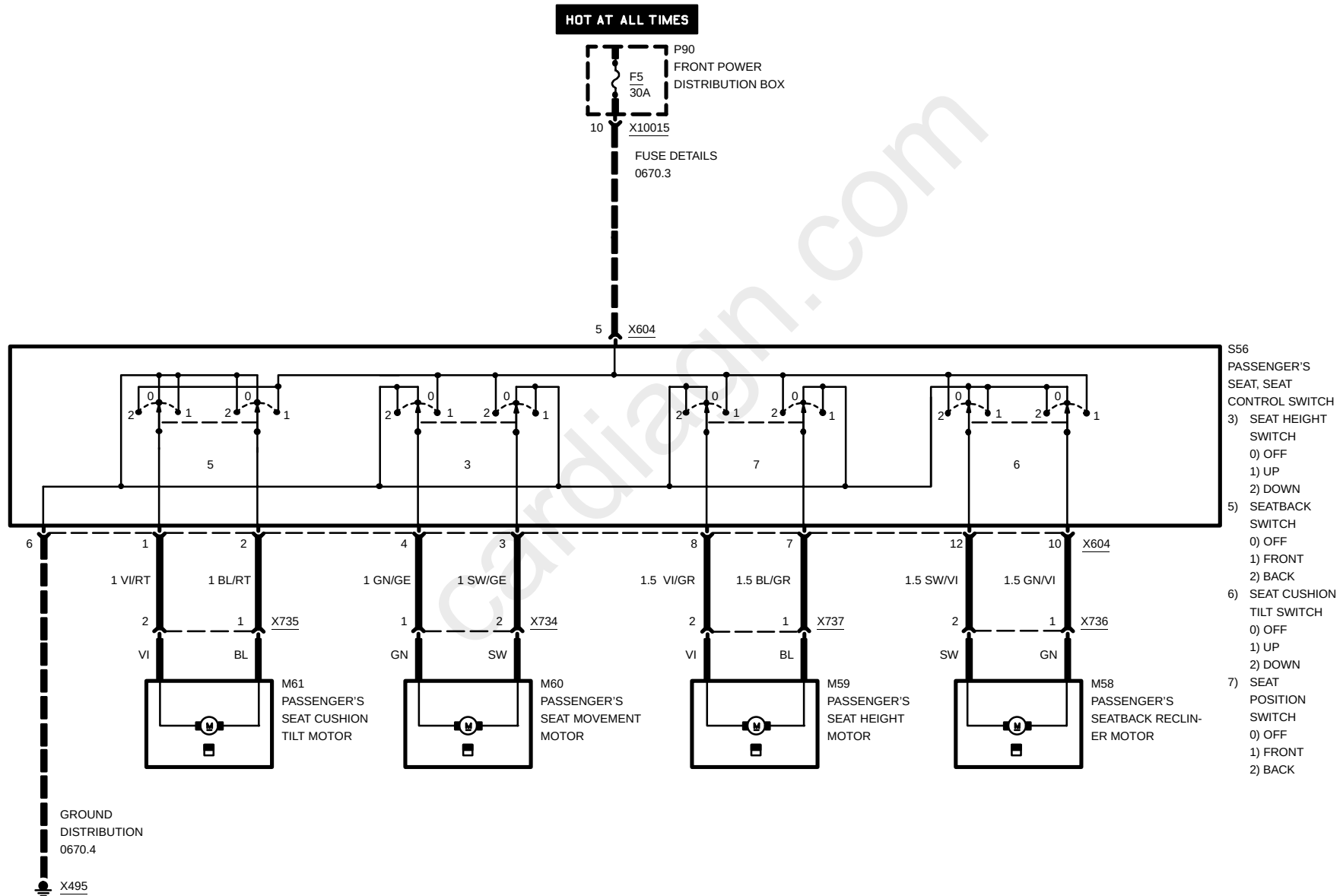
# 5200.0 POWER SEATS

## DRIVER'S SEAT



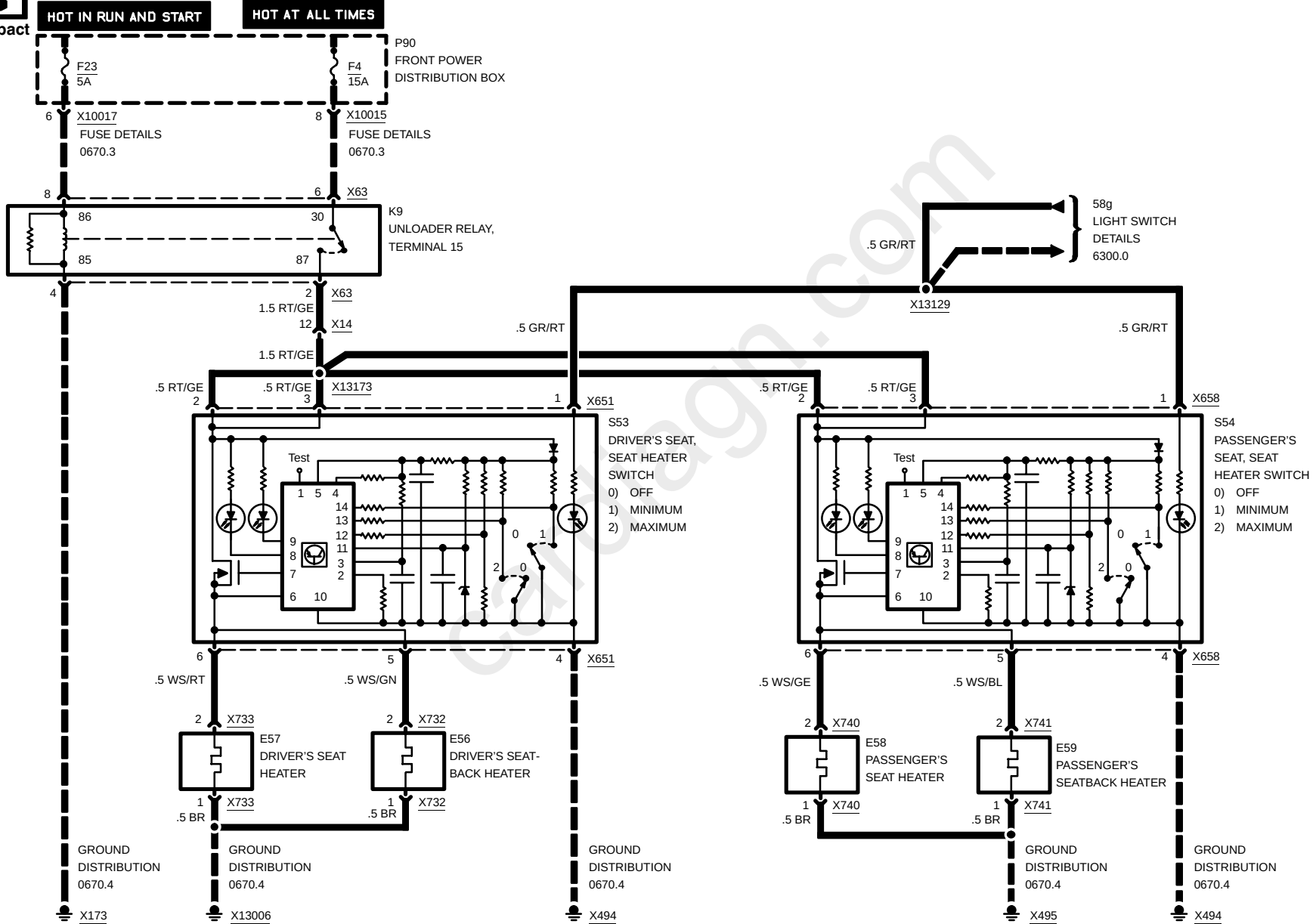
# POWER SEATS

## PASSENGER'S SEAT

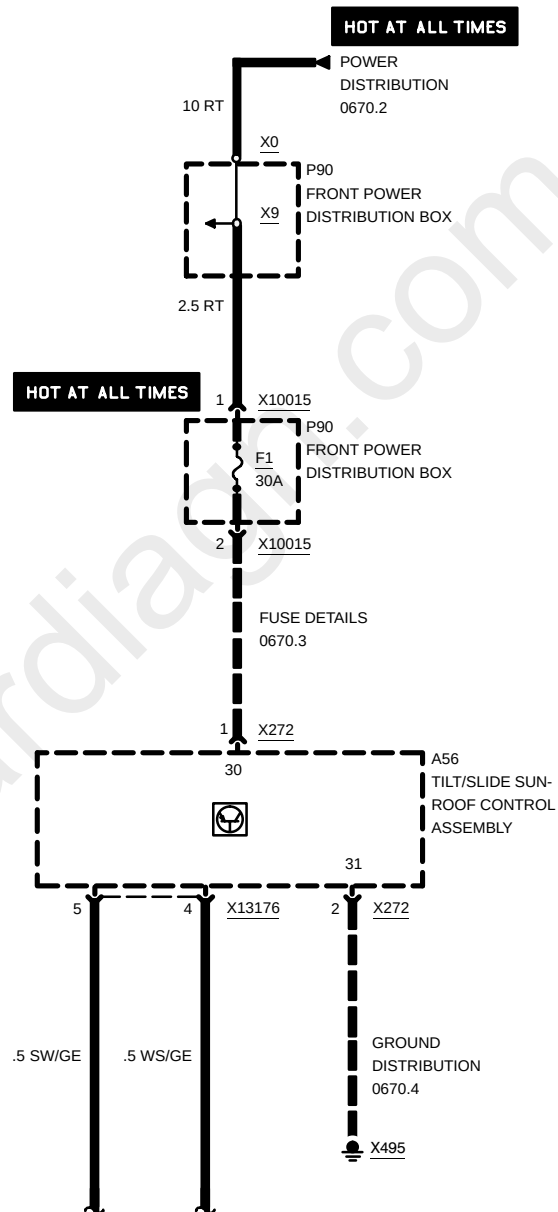


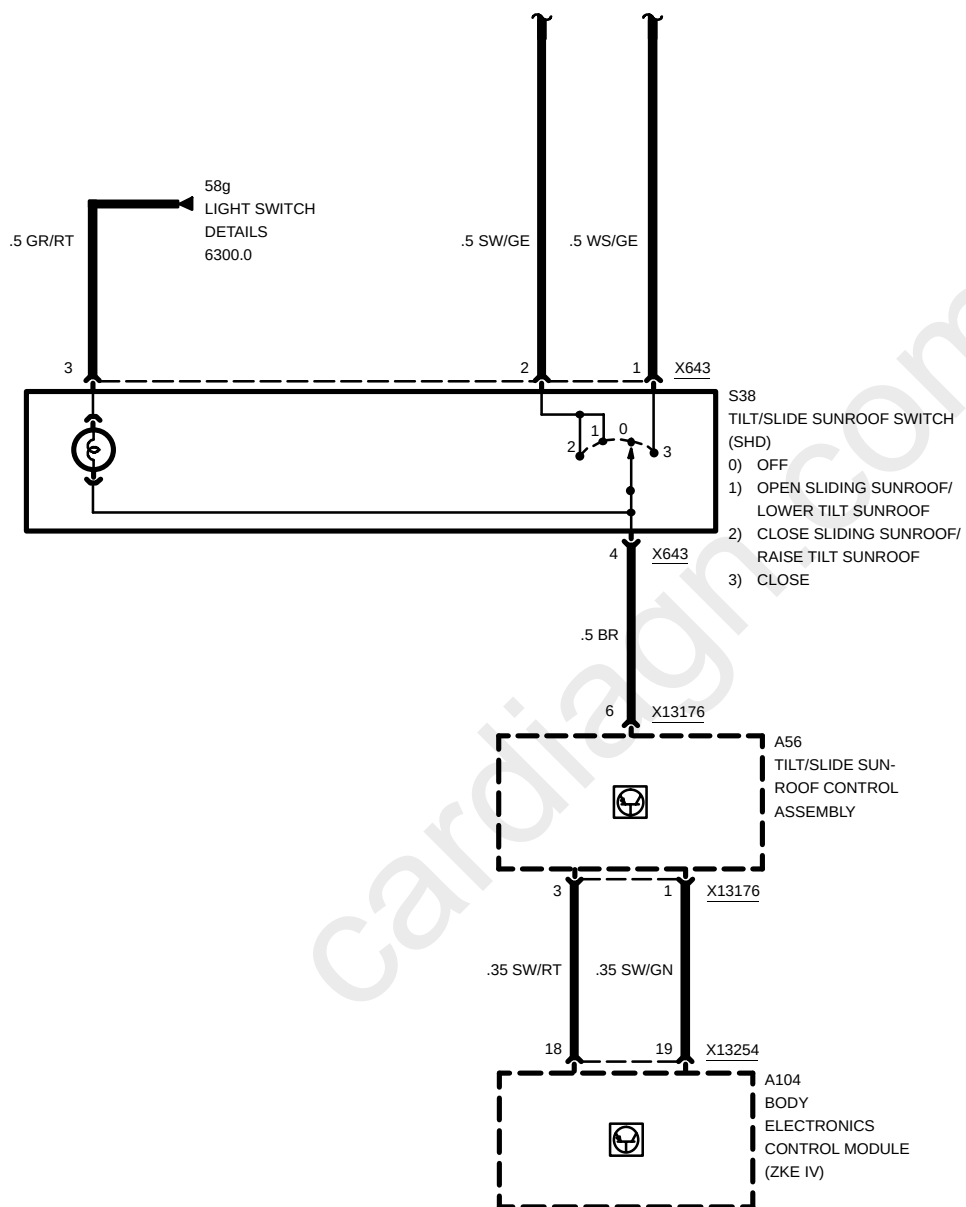


## 5203.0 HEATED SEATS

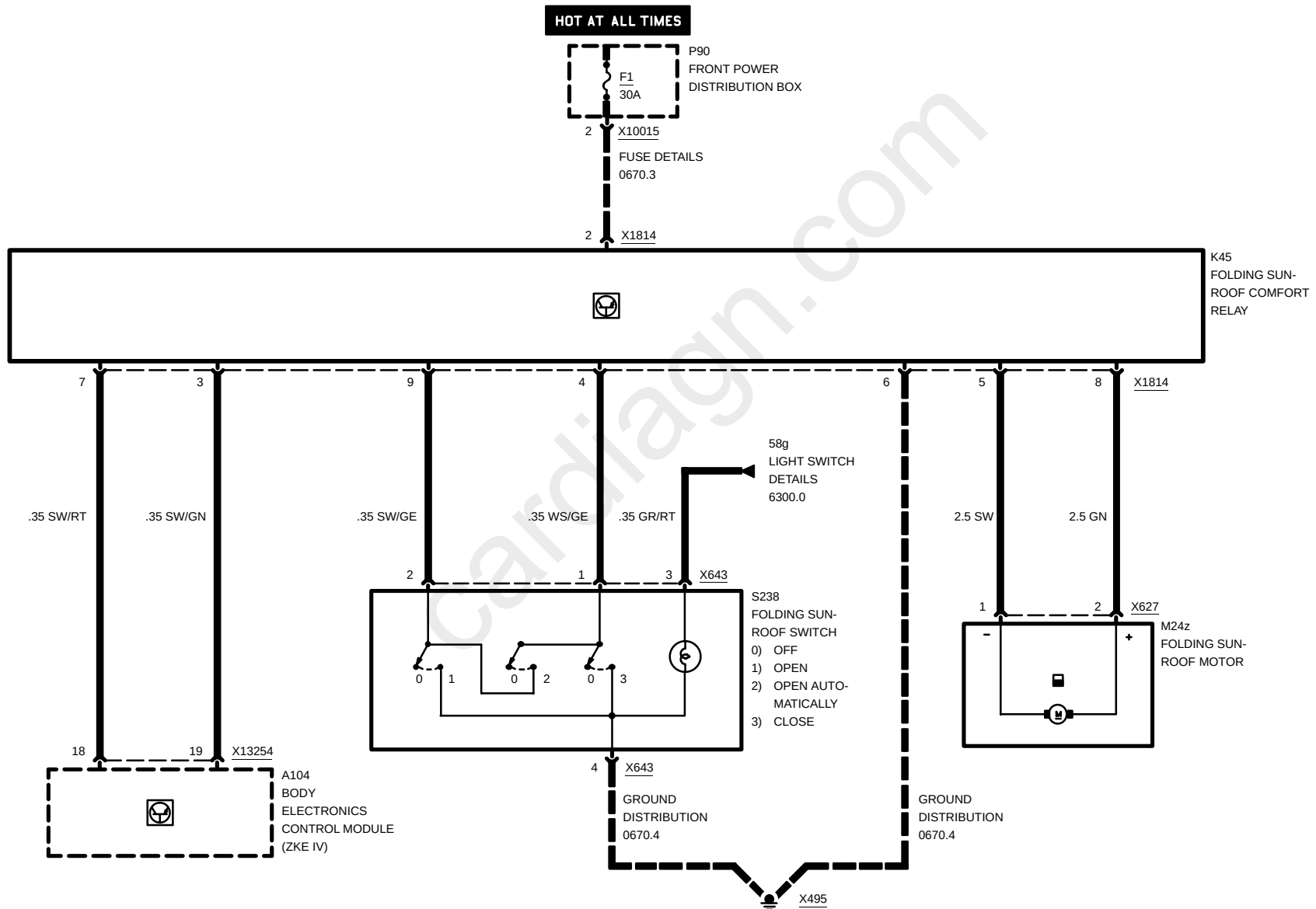


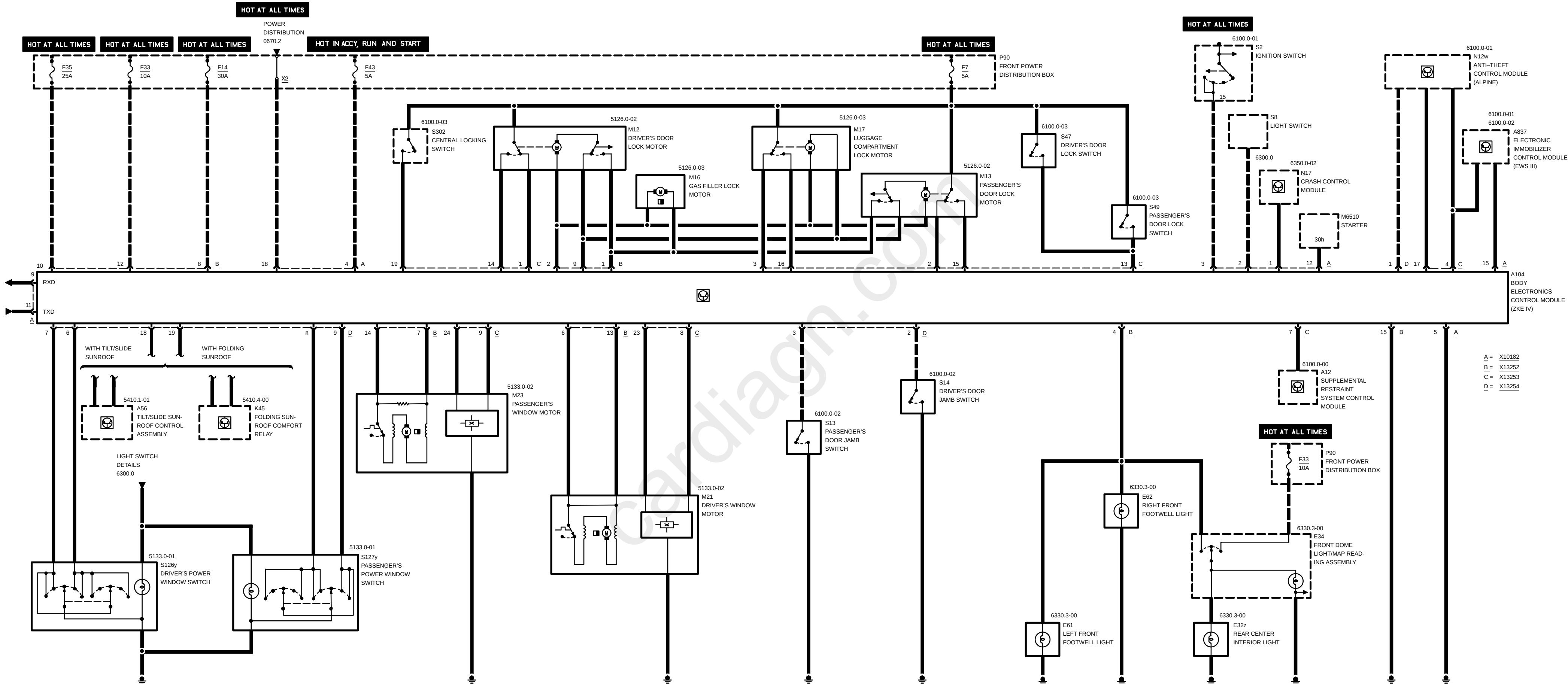
## 5410.1 POWER TILT/SLIDE SUNROOF (SHD)

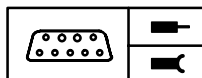




## 5410.4 ELECTRIC FOLDING SUNROOF







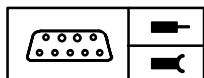
## Pin Assignments

|            |                 |
|------------|-----------------|
| A = X10182 | 18-Pins, black  |
| B = X13252 | 15-Pins, black  |
| C = X13253 | 26-Pins, yellow |
| D = X13254 | 26-Pins, green  |

### X10182

| Pin | Type | Description/Function         | Connection                                      |
|-----|------|------------------------------|-------------------------------------------------|
| 1   | E    | Crash signal                 | Crash control unit                              |
| 2   | E    | Light signal                 | Light switch                                    |
| 3   | E    | Ignition switch, terminal 15 | Ignition switch, terminal 15                    |
| 4   | E    | Power supply                 | Front power distribution box, fuse 43           |
| 5   | M    | Ground                       | Ground point                                    |
| 6   |      | Not used                     |                                                 |
| 7   |      | Not used                     |                                                 |
| 8   |      | Not used                     |                                                 |
| 9   | A    | Diagnosis RxD-signal         | Data link connector                             |
| 10  |      | Not used                     |                                                 |
| 11  | E/A  | Diagnosis TxD-signal         | Data link connector                             |
| 12  | E    | Start signal                 | Starter                                         |
| 13  |      | Not used                     |                                                 |
| 14  |      | Not used                     |                                                 |
| 15  | A    | Drive-away protection        | Electronic immobilizer control module (EWS III) |
| 16  |      | Not used                     |                                                 |
| 17  |      | Not used                     |                                                 |
| 18  | E    | Power supply                 | Front power distribution box                    |

E = Input, A = Output, M = Ground



## Pin Assignments

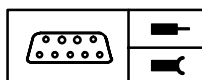
### X13252

| Pin | Type | Description/Function                    | Connection                            |
|-----|------|-----------------------------------------|---------------------------------------|
| 1   | A    | Central arrest signal                   | Lock motors                           |
| 2   | A    | Unlock signal                           | Lock motors                           |
| 3   |      | Not used                                |                                       |
| 4   | A    | Automatic interior light voltage supply | Interior lights                       |
| 5   |      | Not used                                |                                       |
| 6   | A    | Voltage supply                          | Power window motor, driver's door     |
| 7   | A    | Voltage supply                          | Power window motor, passenger's door  |
| 8   | E    | Power supply                            | Front power distribution box, fuse 14 |
| 9   | A    | Lock signal                             | Lock motors                           |
| 10  | E    | Power supply                            | Front power distribution box, fuse 35 |
| 11  |      | Not used                                |                                       |
| 12  | E    | Power supply                            | Front power distribution box, fuse 33 |
| 13  | E    | Motor signal                            | Power window motor, driver's door     |
| 14  | E    | Motor signal                            | Power window motor, passenger's door  |
| 15  | M    | Ground                                  | Ground point                          |

### X13253

| Pin | Type | Description/Function | Connection                                   |
|-----|------|----------------------|----------------------------------------------|
| 1   | E    | Unlock signal        | Door lock motor, driver's door               |
| 2   | E    | Unlock signal        | Door lock motor, passenger's door            |
| 3   | E    | Unlock signal        | Luggage compartment motor                    |
| 4   | E    | Data signal          | Anti-theft system control module (Alpine)    |
| 5   |      | Not used             |                                              |
| 6   |      | Not used             |                                              |
| 7   | A    | Crash signal         | Supplemental restraint system control module |
| 8   | E    | Revolution signal    | Power window motor, driver's door            |
| 9   | E    | Revolution signal    | Power window motor, passenger's door         |
| 10  |      | Not used             |                                              |

E = Input, A = Output, M = Ground



## Pin Assignments

| Pin | Type | Description/Function        | Connection                                |
|-----|------|-----------------------------|-------------------------------------------|
| 11  |      | Not used                    |                                           |
| 12  |      | Not used                    |                                           |
| 13  | E    | Central arrest signal       | Door lock switches                        |
| 14  | E    | Lock signal                 | Door lock motor, driver's door            |
| 15  | E    | Lock signal                 | Door lock motor, passenger's door         |
| 16  | E    | Lock signal                 | Luggage compartment motor                 |
| 17  | E    | Data signal                 | Anti-theft system control module (Alpine) |
| 18  |      | Not used                    |                                           |
| 19  | E    | Lock signal                 | Central locking switch                    |
| 20  |      | Not used                    |                                           |
| 21  |      | Not used                    |                                           |
| 22  |      | Not used                    |                                           |
| 23  | A    | Voltage supply (revolution) | Driver's window motor                     |
| 24  | A    | Voltage supply (revolution) | Passenger's window motor                  |
| 25  |      | Not used                    |                                           |
| 26  |      | Not used                    |                                           |

### X13254

| Pin | Type | Description/Function | Connection                                |
|-----|------|----------------------|-------------------------------------------|
| 1   | E    | Door handle contact  | Anti-theft system control module (Alpine) |
| 2   | E    | Door signal          | Door jamb switch, driver's door           |
| 3   | E    | Door signal          | Door jamb switch, passenger's door        |
| 4   |      | Not used             |                                           |
| 5   |      | Not used             |                                           |
| 6   | E    | OPEN signal          | Power window switch, driver's door        |
| 7   | E    | CLOSE signal         | Power window switch, driver's door        |
| 8   | E    | OPEN signal          | Power window switch, passenger's door     |
| 9   | E    | CLOSE signal         | Power window switch, passenger's door     |
| 10  |      | Not used             |                                           |
| 11  |      | Not used             |                                           |
| 12  |      | Not used             |                                           |

E = Input, A = Output, M = Ground

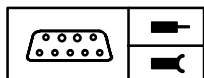


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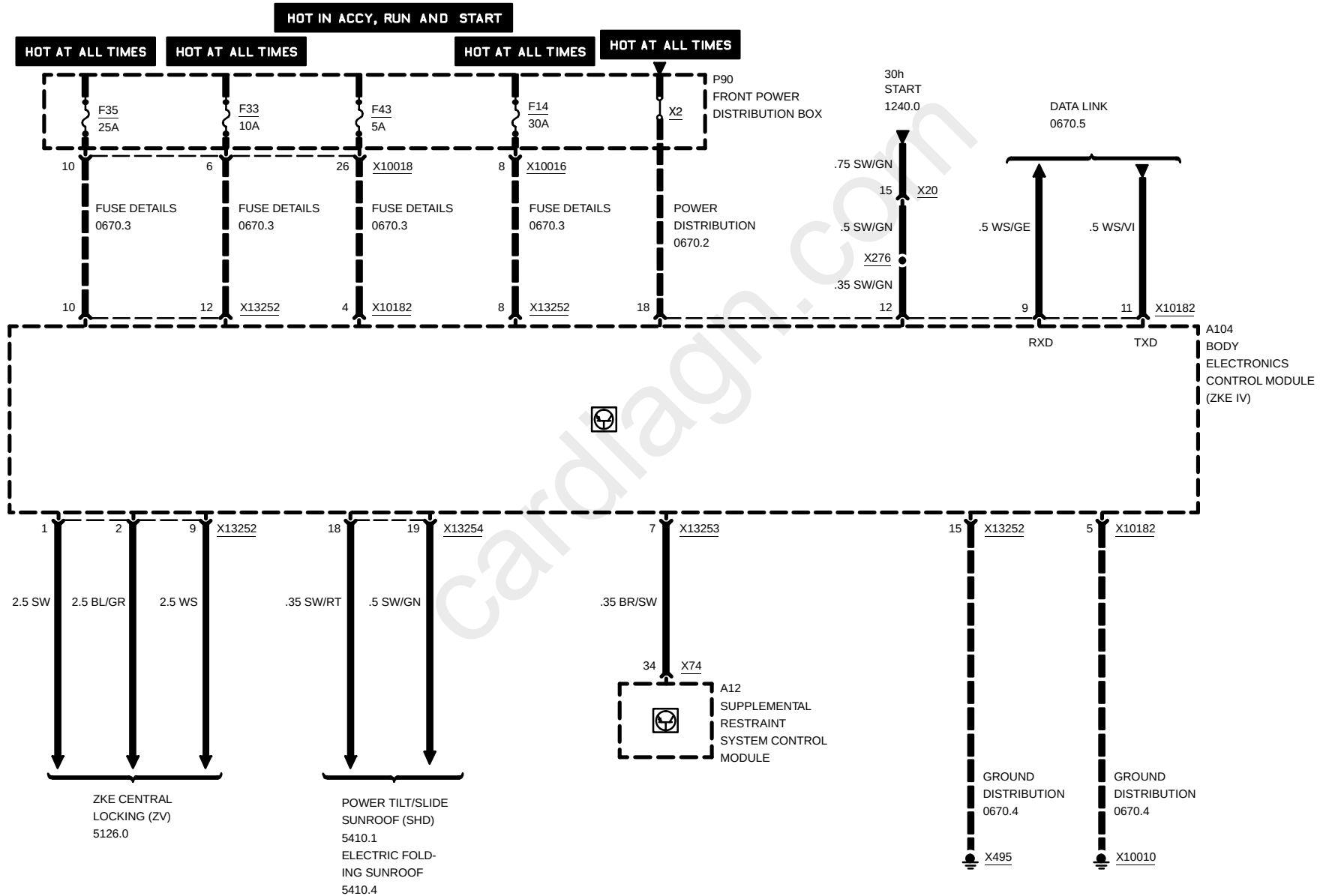


## Pin Assignments

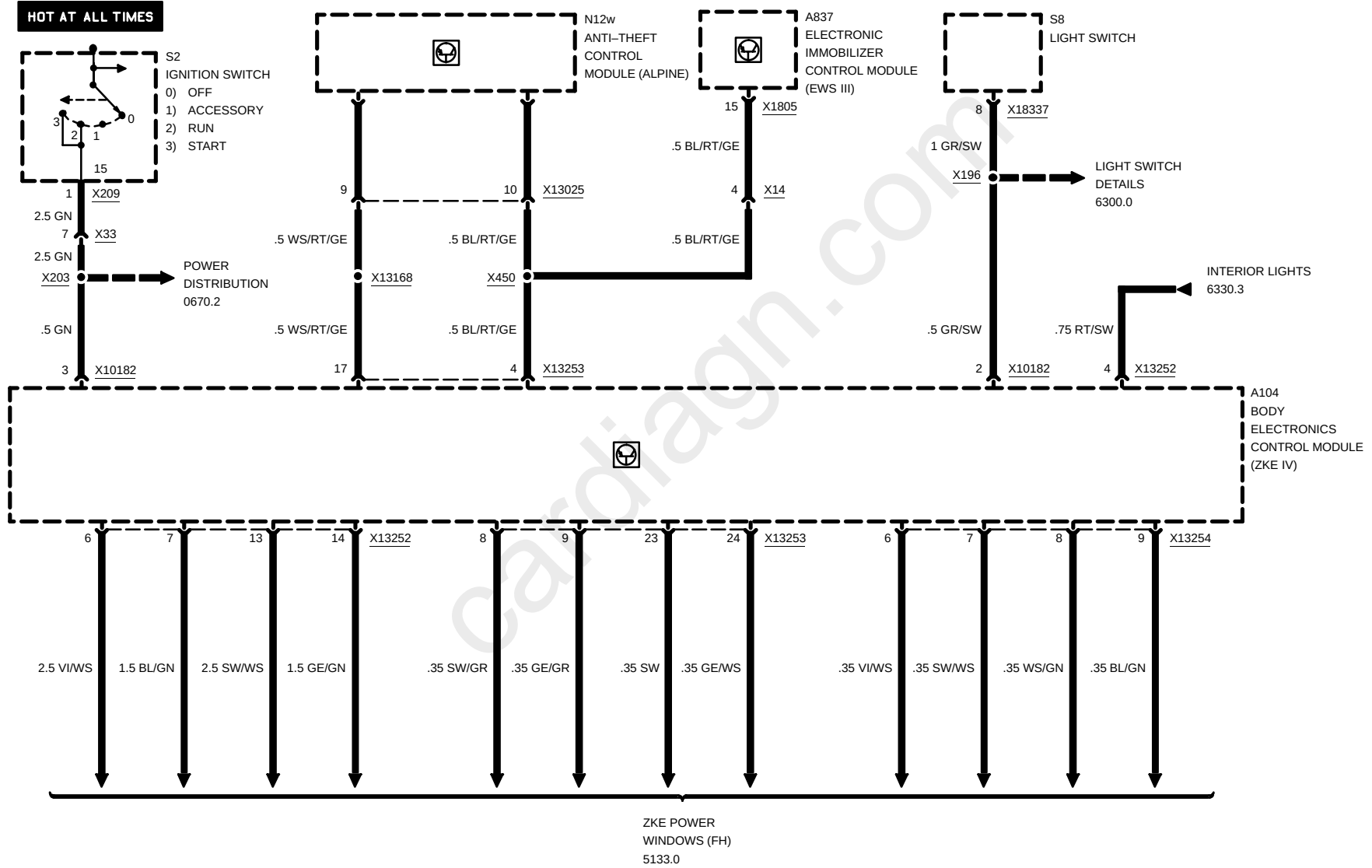
| Pin | Type | Description/Function    | Connection                                                 |
|-----|------|-------------------------|------------------------------------------------------------|
| 13  |      | Not used                |                                                            |
| 14  |      | Not used                |                                                            |
| 15  |      | Not used                |                                                            |
| 16  |      | Not used                |                                                            |
| 17  |      | Not used                |                                                            |
| 18  | A    | Comfortable closing     | Sunroof control assembly/Comfort relay,<br>Folding sunroof |
| 19  | A    | Folding sunroof release | Sunroof control assembly/Comfort relay,<br>Folding sunroof |
| 20  |      | Not used                |                                                            |
| 21  |      | Not used                |                                                            |
| 22  |      | Not used                |                                                            |
| 23  |      | Not used                |                                                            |
| 24  |      | Not used                |                                                            |
| 25  |      | Not used                |                                                            |
| 26  |      | Not used                |                                                            |

E = Input, A = Output, M = Ground

# CENTRAL BODY ELECTRONICS (ZKE IV)



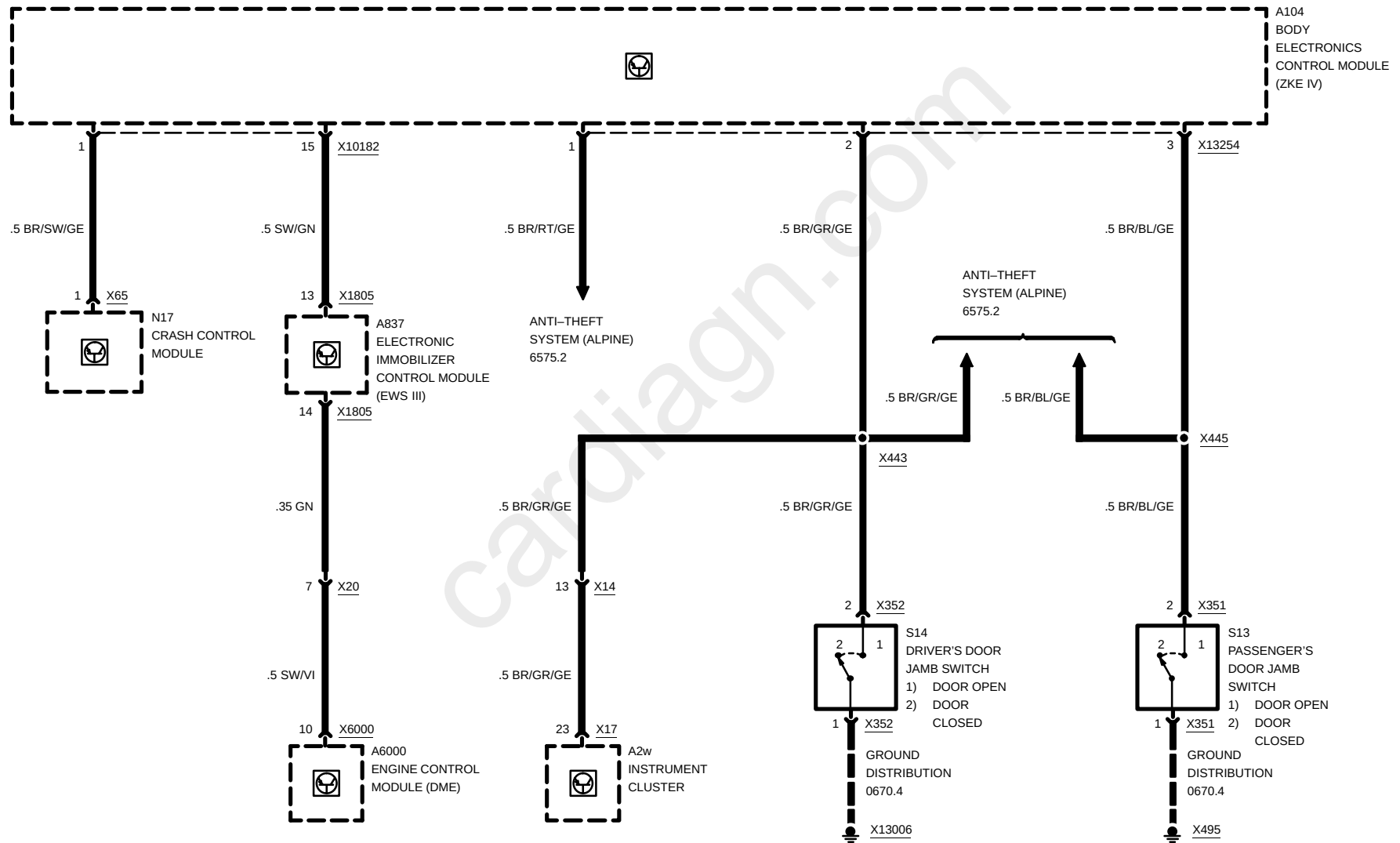
# CENTRAL BODY ELECTRONICS (ZKE IV)





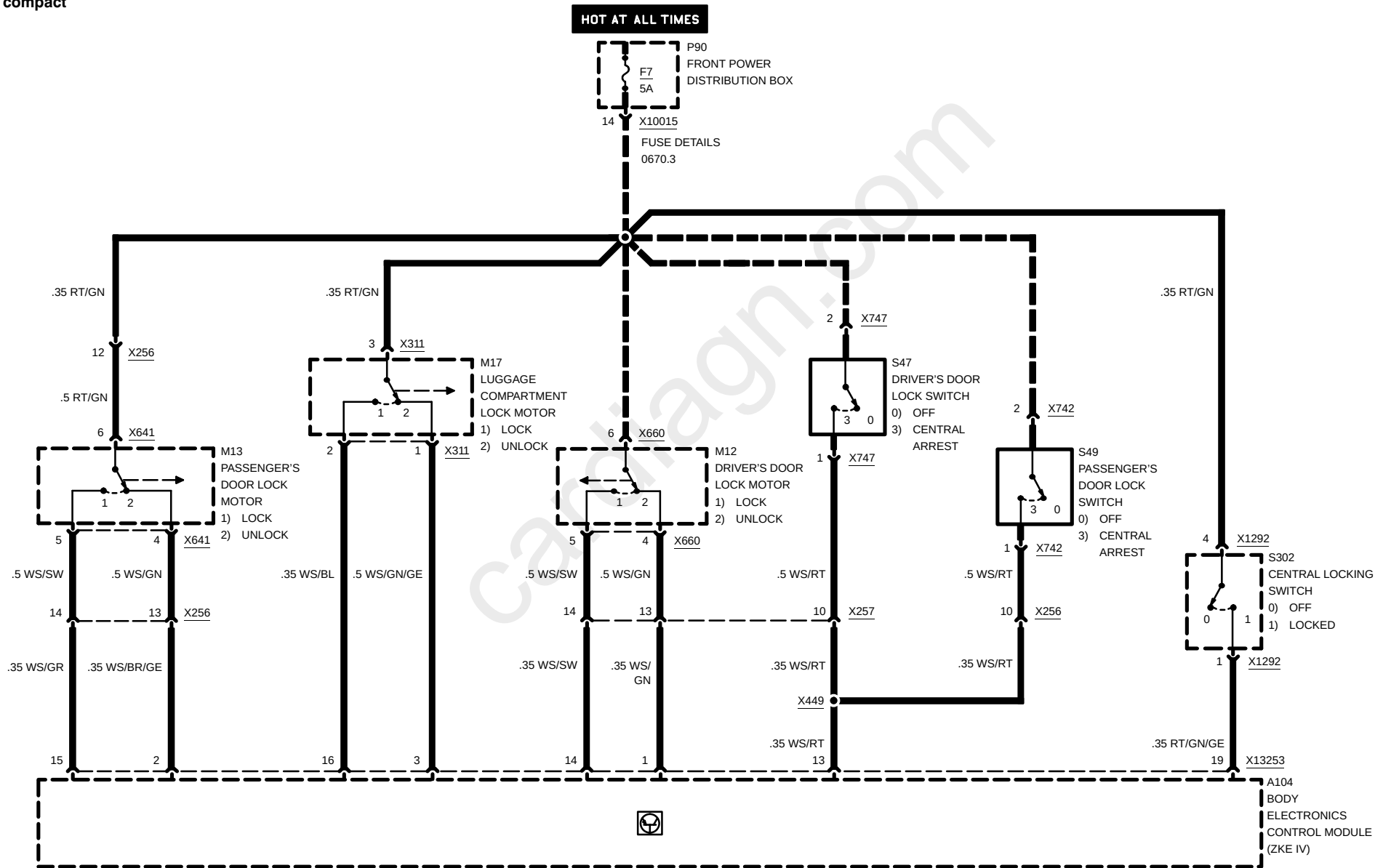
compact

## CENTRAL BODY ELECTRONICS (ZKE IV)

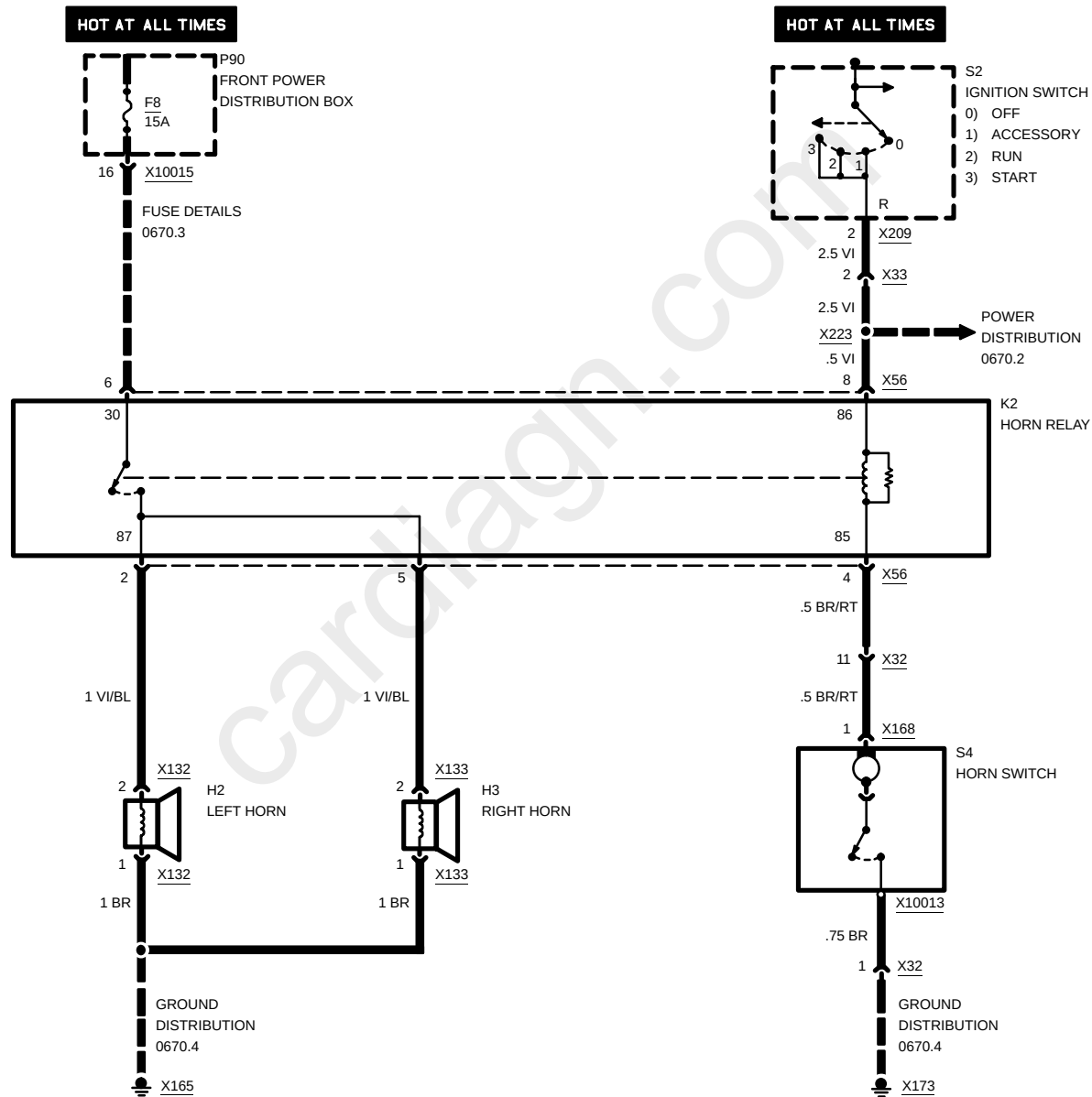


# CENTRAL BODY ELECTRONICS (ZKE IV)

## LUGGAGE COMPARTMENT LID, DRIVER'S AND PASSENGER'S DOOR INPUT SIGNALS



## 6133.0 HORN

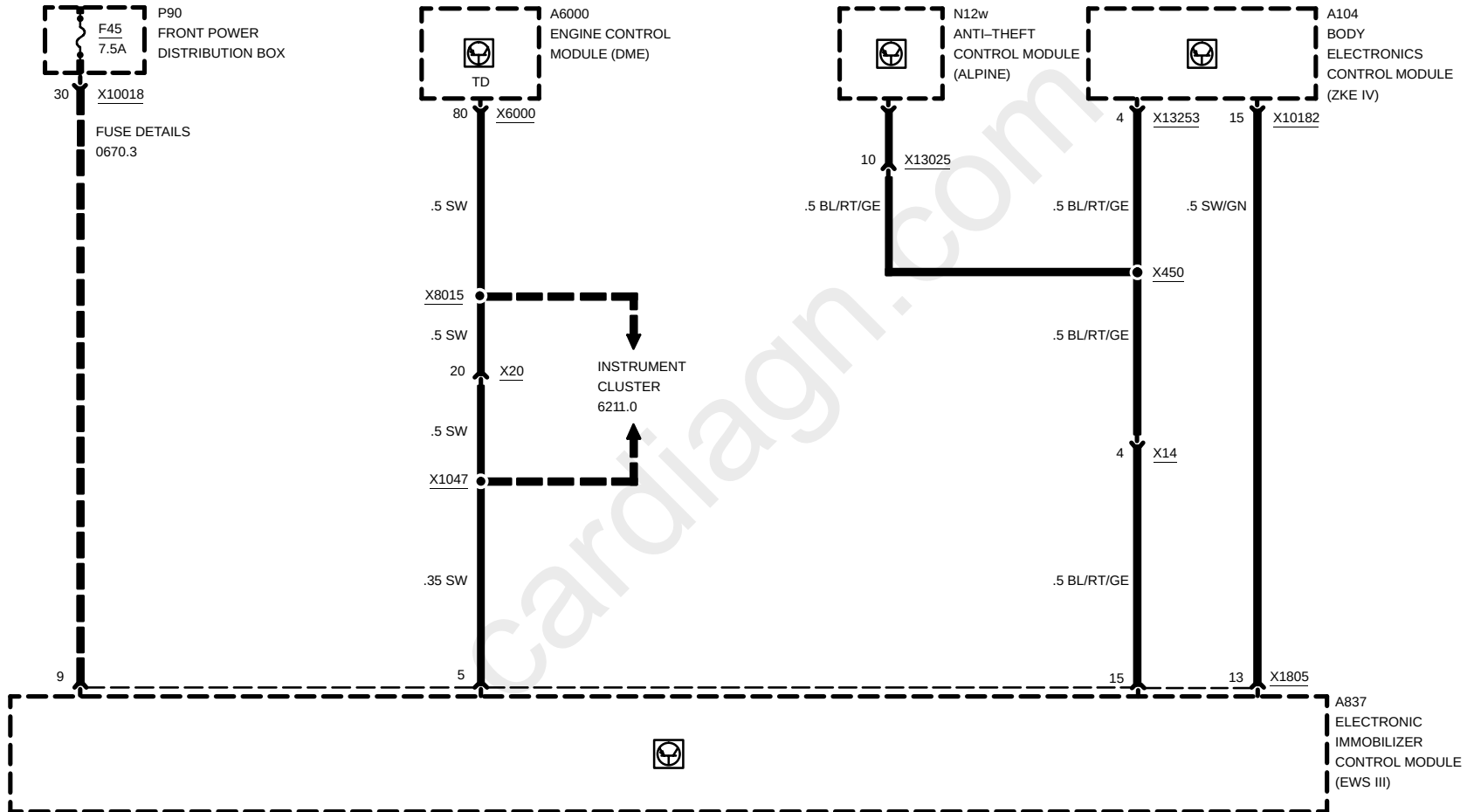




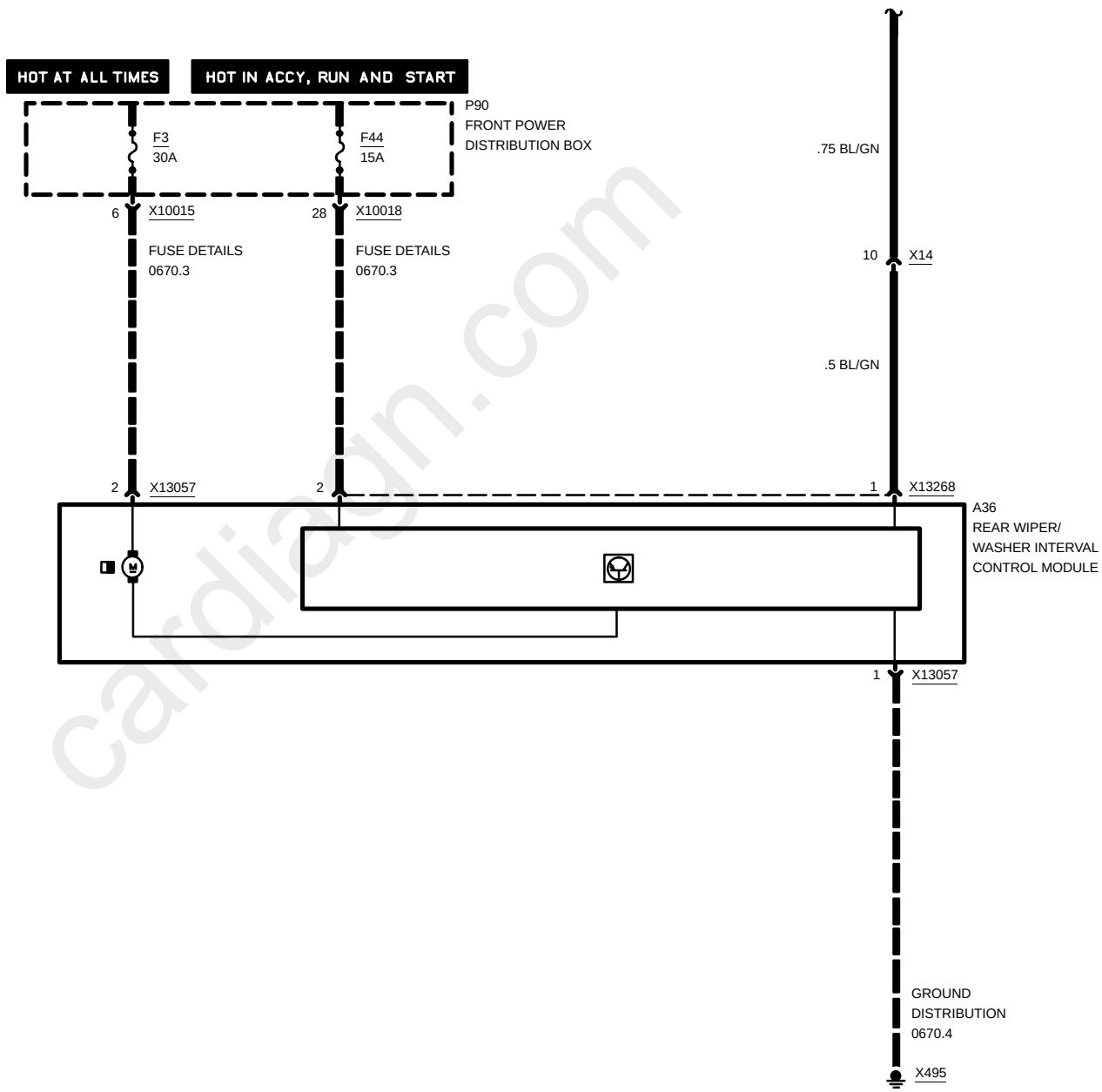


# DRIVE-AWAY PROTECTION (EWS III)

HOT IN ACCY, RUN AND START

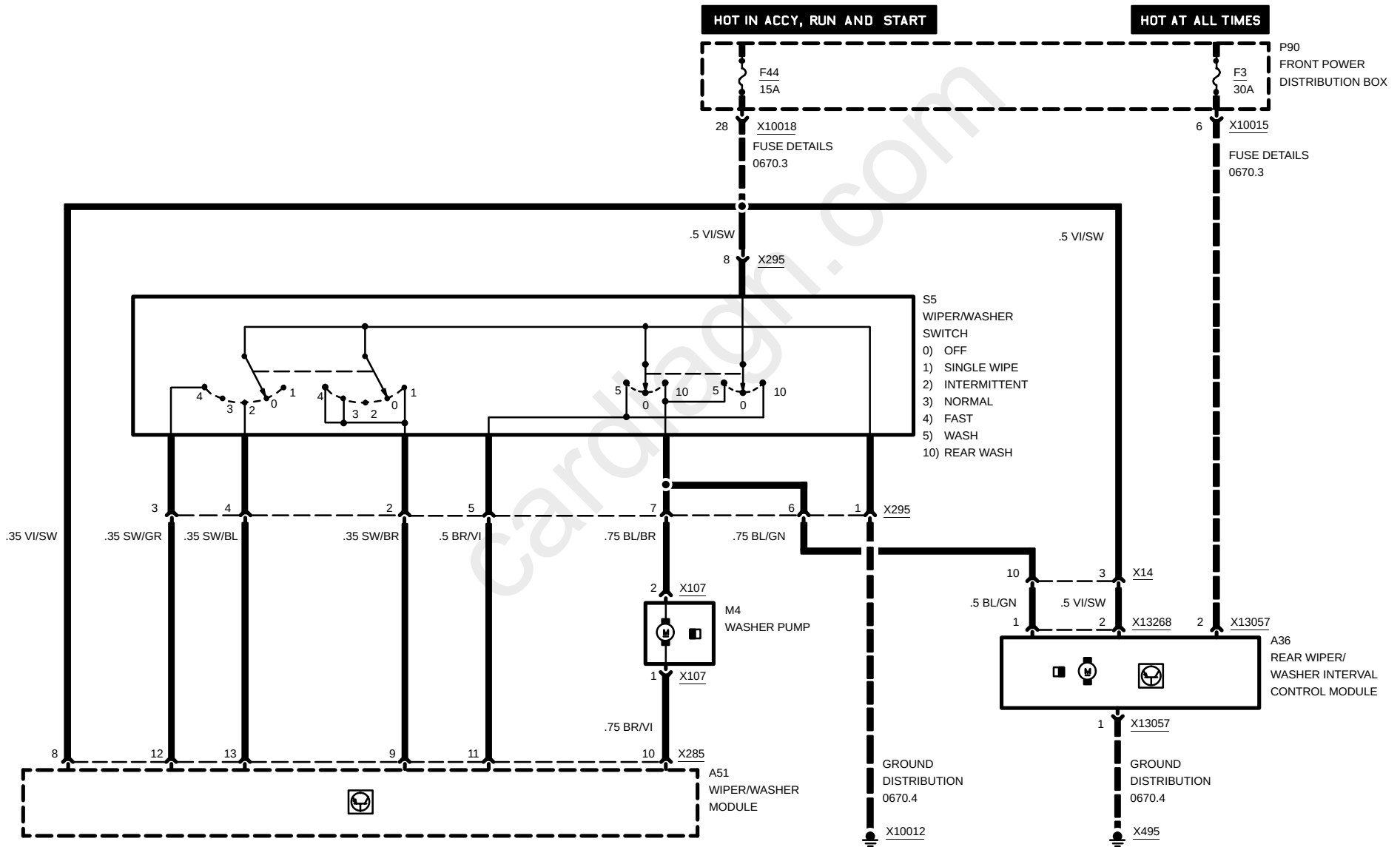






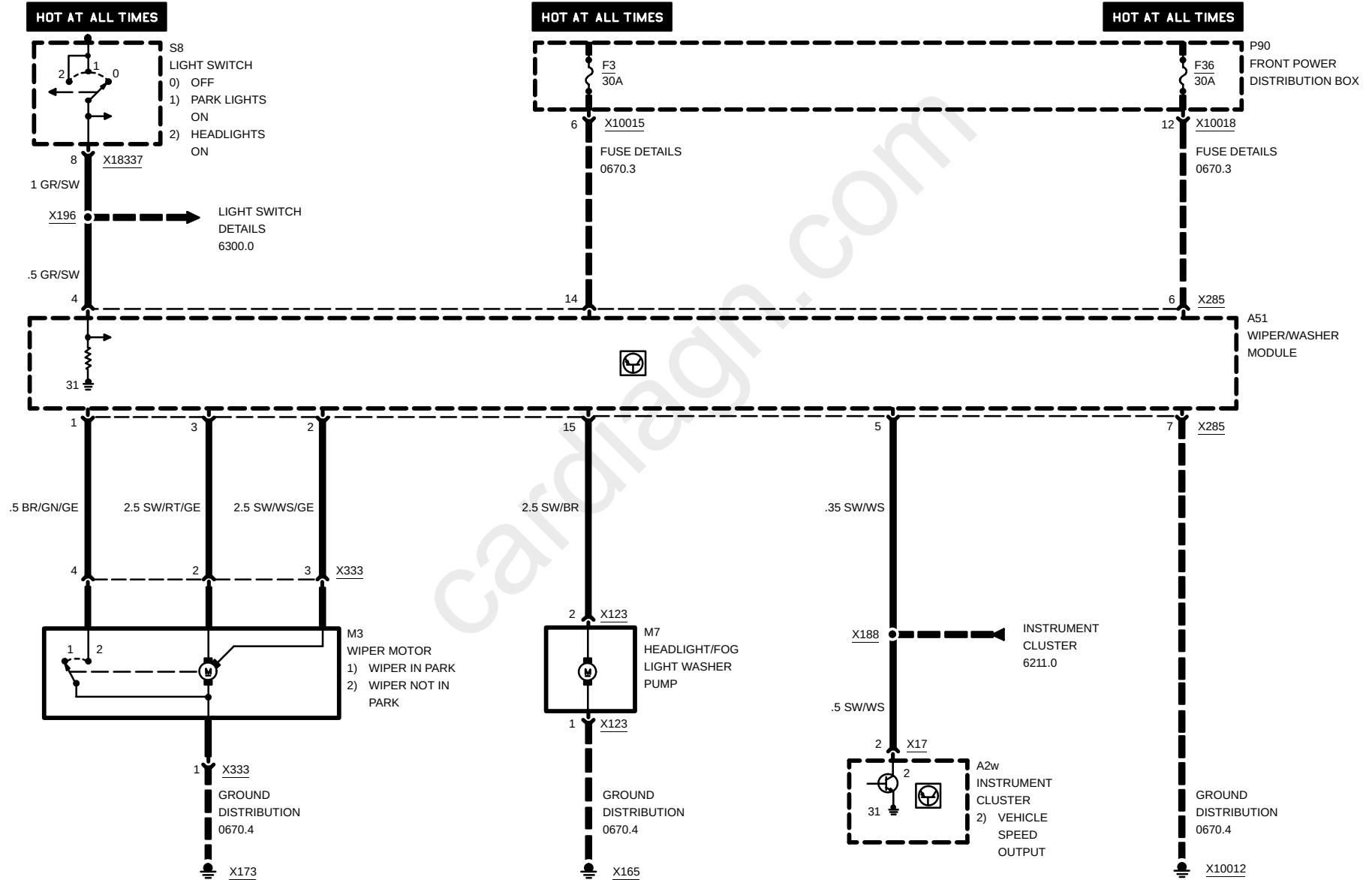
# WIPER/WASHER MODULE (WWM)

## WIPER/WASHER (HIGH)

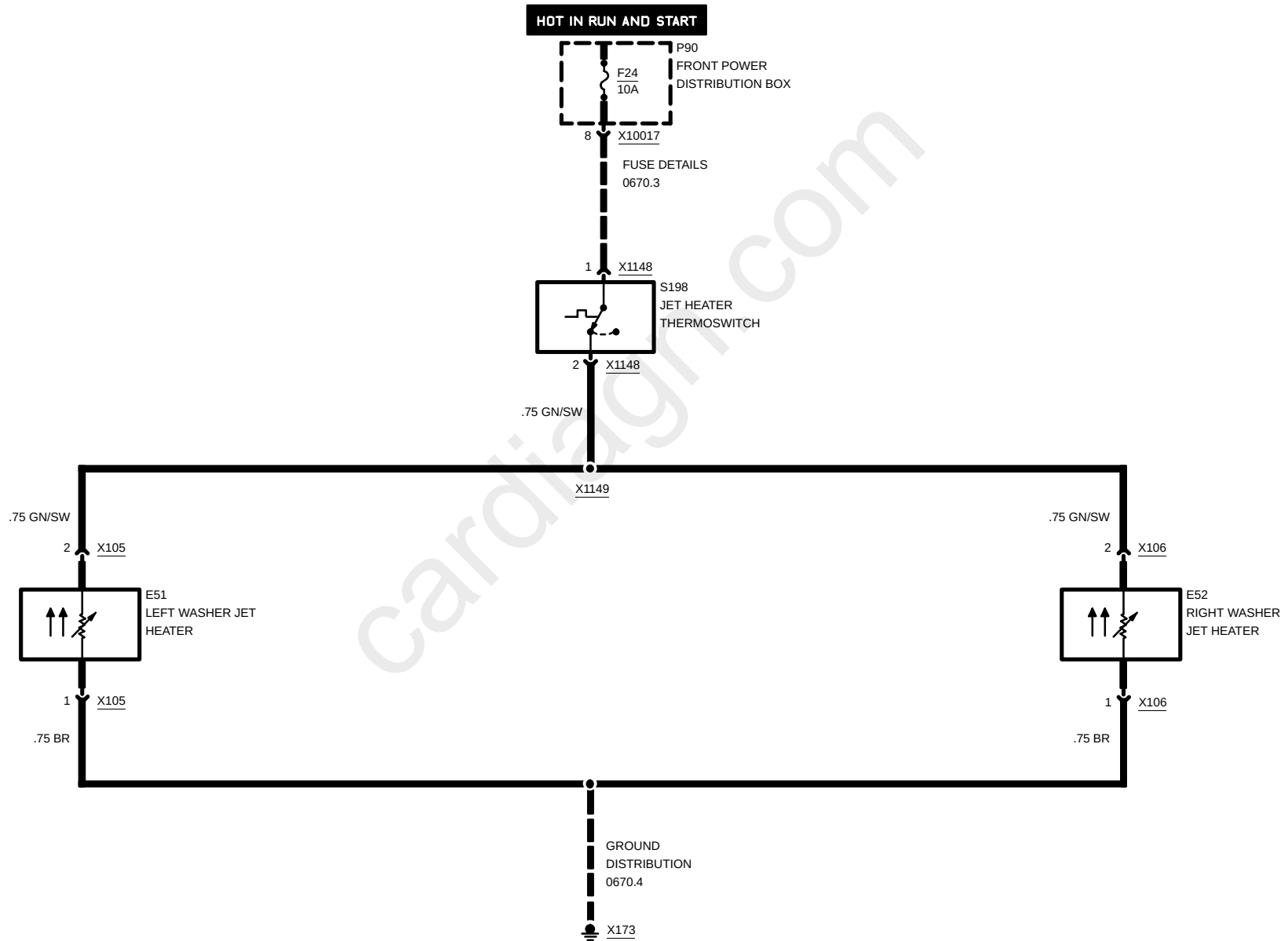


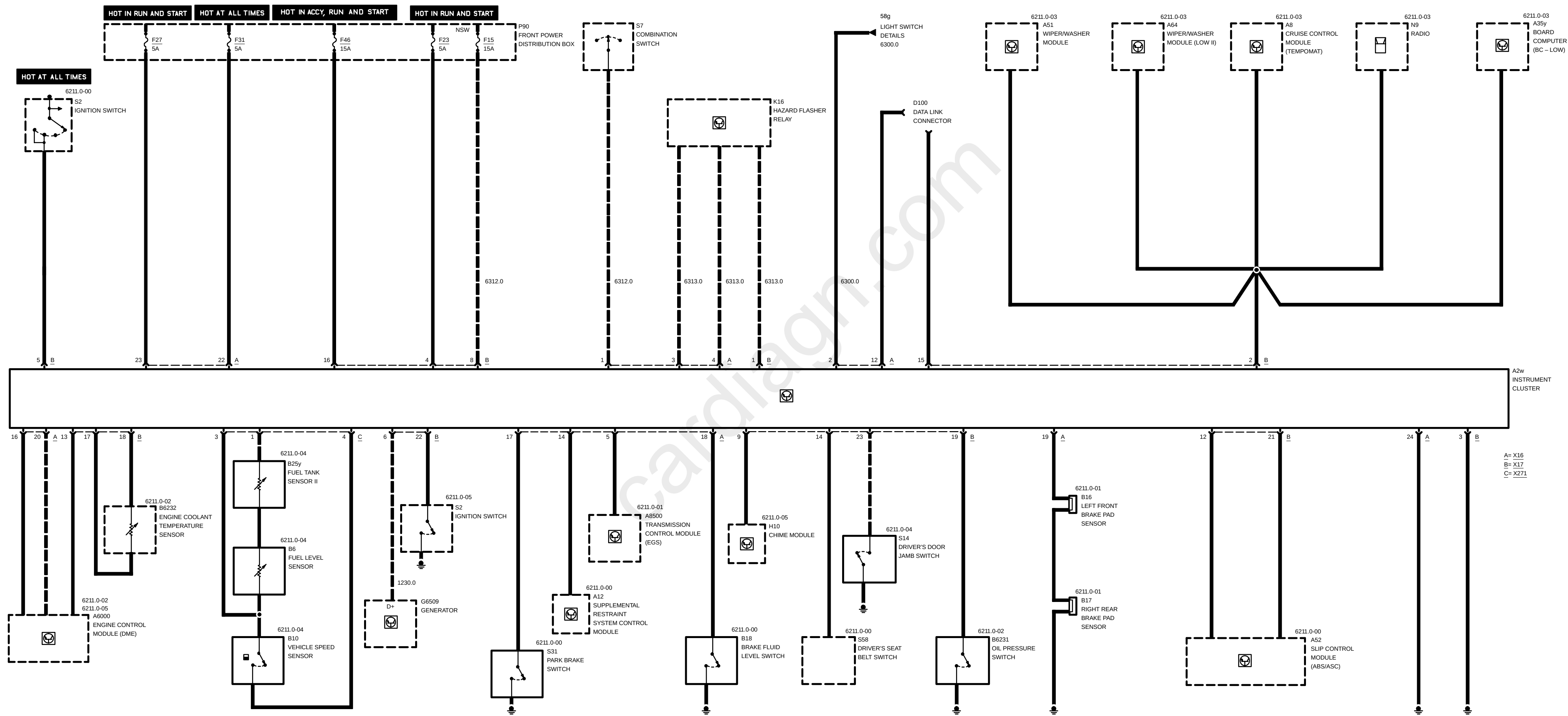
# WIPER/WASHER MODULE (WWM)

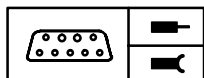
## WIPER/WASHER (HIGH)



## 6169.0 WINDSHIELD WASHER JET HEATERS





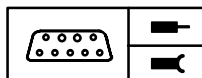


## Pin Assignments

### X16

| Pin | Type | Description/Function                                                         | Connection                                   |
|-----|------|------------------------------------------------------------------------------|----------------------------------------------|
| 1   | E    | High beam indicator control                                                  | Combination switch                           |
| 2   | E    | Terminal 58g, instrument illumination power                                  | Dimmer                                       |
| 3   | E    | Right turn signal indicator control                                          | Hazard flasher relay                         |
| 4   | E    | Left turn signal indicator control                                           | Hazard flasher relay                         |
| 5   | E    | Warning lamp for EGS fault (information signal transmission oil temperature) | Transmission control module (EGS)            |
| 6   |      | Not used                                                                     |                                              |
| 7   |      | Not used                                                                     |                                              |
| 8   |      | Not used                                                                     |                                              |
| 9   |      | Not used                                                                     |                                              |
| 10  |      | Not used                                                                     |                                              |
| 11  |      | Not used                                                                     |                                              |
| 12  | E/A  | TxD diagnostic data link                                                     | Data link connector                          |
| 13  |      | Not used                                                                     |                                              |
| 14  | E    | Airbag warning lamp (SRS) control                                            | Supplemental restraint system control module |
| 15  |      | Not used                                                                     |                                              |
| 16  | E    | "Check engine" indicator control                                             | Engine control module (DME)                  |
| 17  | E    | Park brake warning lamp control                                              | Park brake switch                            |
| 18  | E    | Brake fluid warning lamp control                                             | Brake fluid level switch                     |
| 19  | E    | Brake pad wear warning lamp control                                          | Brake pad sensors                            |
| 20  | E    | Crankshaft RPM speed signal TD                                               | Engine control module (DME)                  |
| 21  |      | Not used                                                                     |                                              |
| 22  | E    | Voltage supply, terminal 30                                                  | Front power distribution box, fuse 31        |
| 23  | E    | Voltage supply, terminal 15 for indicator and warning lamps                  | Front power distribution box, fuse 27        |
| 24  | M    | Ground supply, terminal 31 for instrument cluster electronics                | Ground point                                 |
| 25  |      | Not used                                                                     |                                              |
| 26  |      | Not used                                                                     |                                              |

E = Input, A = Output, M = Ground

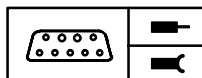


## Pin Assignments

### X17

| Pin | Type | Description/Function                                           | Connection                                                      |
|-----|------|----------------------------------------------------------------|-----------------------------------------------------------------|
| 1   | E    | Trailer turn signal indicator control                          | Hazard flasher relay                                            |
| 2   | A    | Vehicle speed signal                                           | Various control modules                                         |
| 3   | M    | Ground supply, terminal 31 for indicator and warning lamps     | Ground point                                                    |
| 4   | E    | Voltage supply, terminal 15 for instrument cluster electronics | Front power distribution box, fuse 23                           |
| 5   | E    | Voltage supply, terminal 15 for battery charge indicator       | Ignition switch, terminal 15                                    |
| 6   | E    | Ground supply, terminal 61 for battery charge indicator        | Generator                                                       |
| 7   |      | Not used                                                       |                                                                 |
| 8   | E    | Fog light indicator control                                    | Front power distribution box, fuse 15                           |
| 9   | A    | Sound tone signal                                              | Chime module                                                    |
| 10  |      | Not used                                                       |                                                                 |
| 11  |      | Not used                                                       |                                                                 |
| 12  | E    | ASC signal                                                     | ASC control module                                              |
| 13  | A    | TI-measurement signal (fuel consumption)                       | Engine control module (DME)                                     |
| 14  | E    | Seat belt warning lamp control                                 | Driver's seat belt switch                                       |
| 15  | E    | SIA reset/service interval indicator reset                     | Data link connector                                             |
| 16  | E    | Voltage supply, terminal R                                     | Front power distribution box, fuse 46                           |
| 17  | A    | Coolant temperature sensor (–)                                 | Coolant temperature sensor                                      |
| 18  | E    | Coolant temperature sensor (+)                                 | Coolant temperature sensor                                      |
| 19  | E    | Oil pressure warning lamp control                              | Oil pressure switch                                             |
| 20  |      | Not used                                                       |                                                                 |
| 21  | E    | ABS warning lamp (ABS)                                         | ABS control module/hydraulic unit/slip control module (ABS/ASC) |
| 22  | E    | Ignition key warning/audible ignition key warning              | Ignition switch                                                 |
| 23  | E    | Driver's door open                                             | Driver's door jamb switch                                       |
| 24  |      | Not used                                                       |                                                                 |

E = Input, A = Output, M = Ground



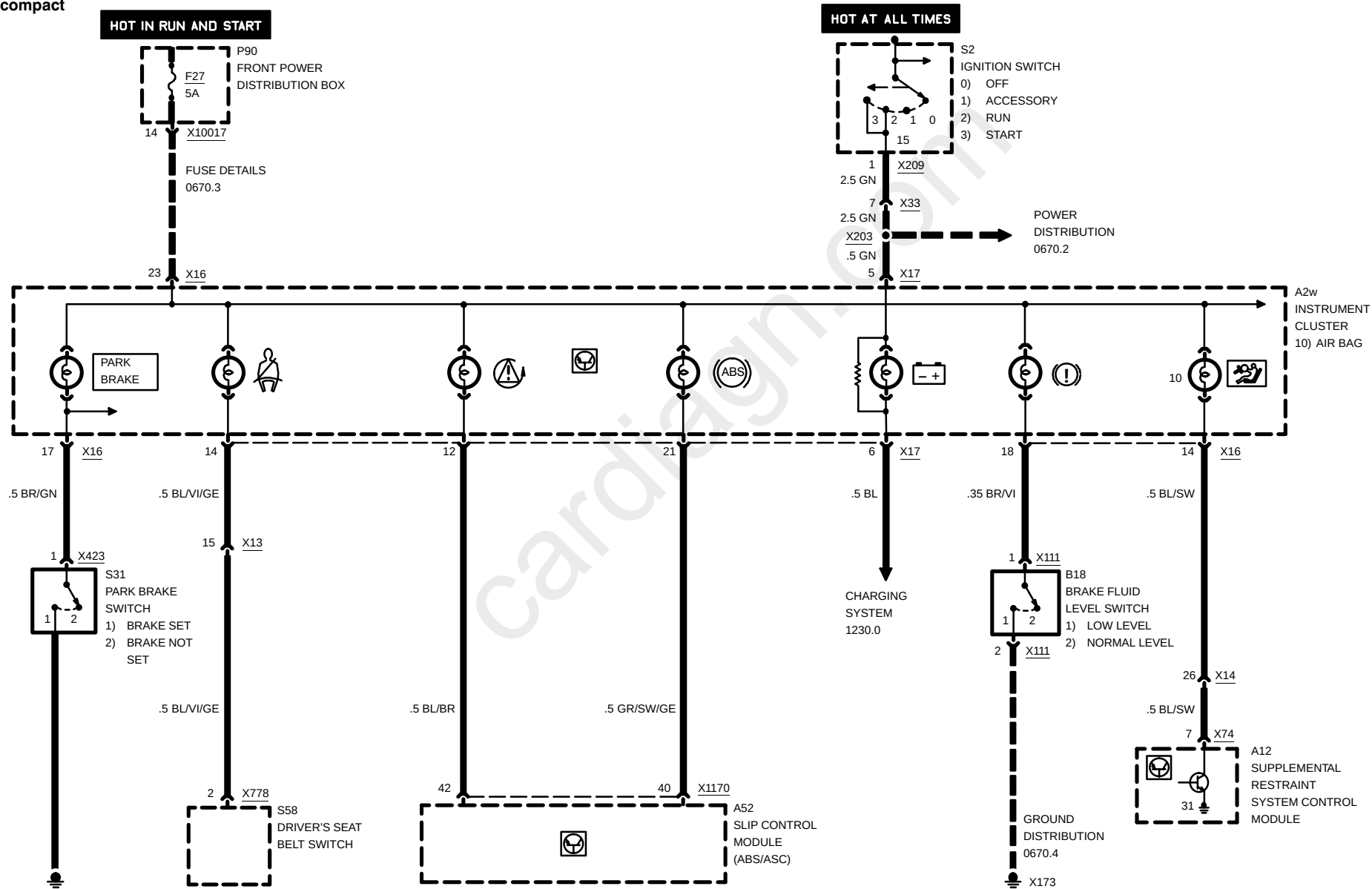
## Pin Assignments

| Pin | Type | Description/Function | Connection |
|-----|------|----------------------|------------|
| 25  |      | Not used             |            |
| 26  |      | Not used             |            |

### X271

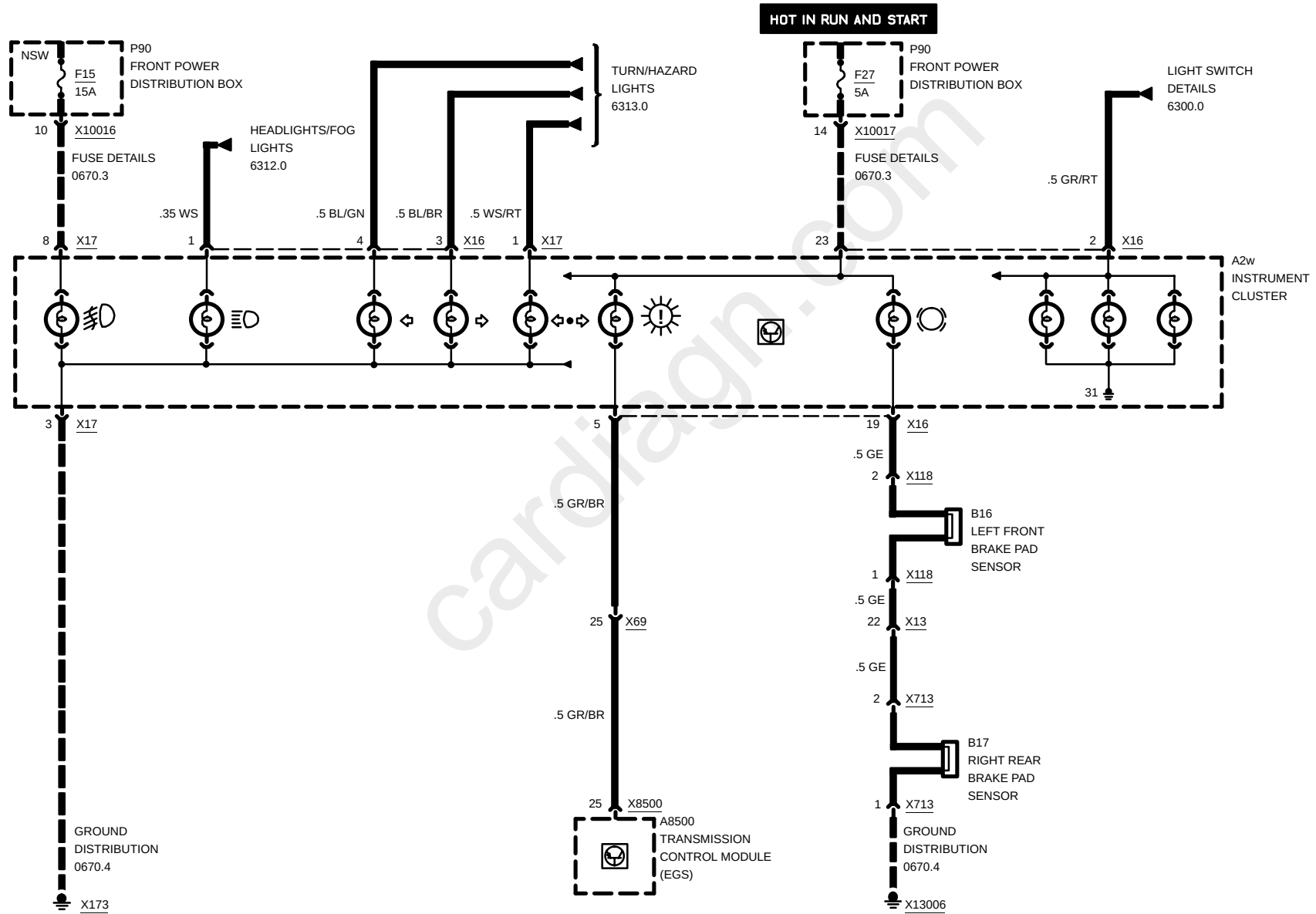
| Pin | Type | Description/Function                                         | Connection                                 |
|-----|------|--------------------------------------------------------------|--------------------------------------------|
| 1   | A    | Fuel level sensor                                            | Fuel tank sensors                          |
| 2   |      | Not used                                                     |                                            |
| 3   | A    | Ground supply for fuel tank sensors and vehicle speed sensor | Fuel tank sensors and vehicle speed sensor |
| 4   | E    | Position signal TW                                           | Vehicle speed sensor                       |
| 5   |      | Not used                                                     |                                            |
| 6   |      | Not used                                                     |                                            |
| 7   |      | Not used                                                     |                                            |
| 8   |      | Not used                                                     |                                            |
| 9   |      | Not used                                                     |                                            |
| 10  |      | Not used                                                     |                                            |
| 11  |      | Not used                                                     |                                            |
| 12  |      | Not used                                                     |                                            |

# INSTRUMENT CLUSTER INDICATORS

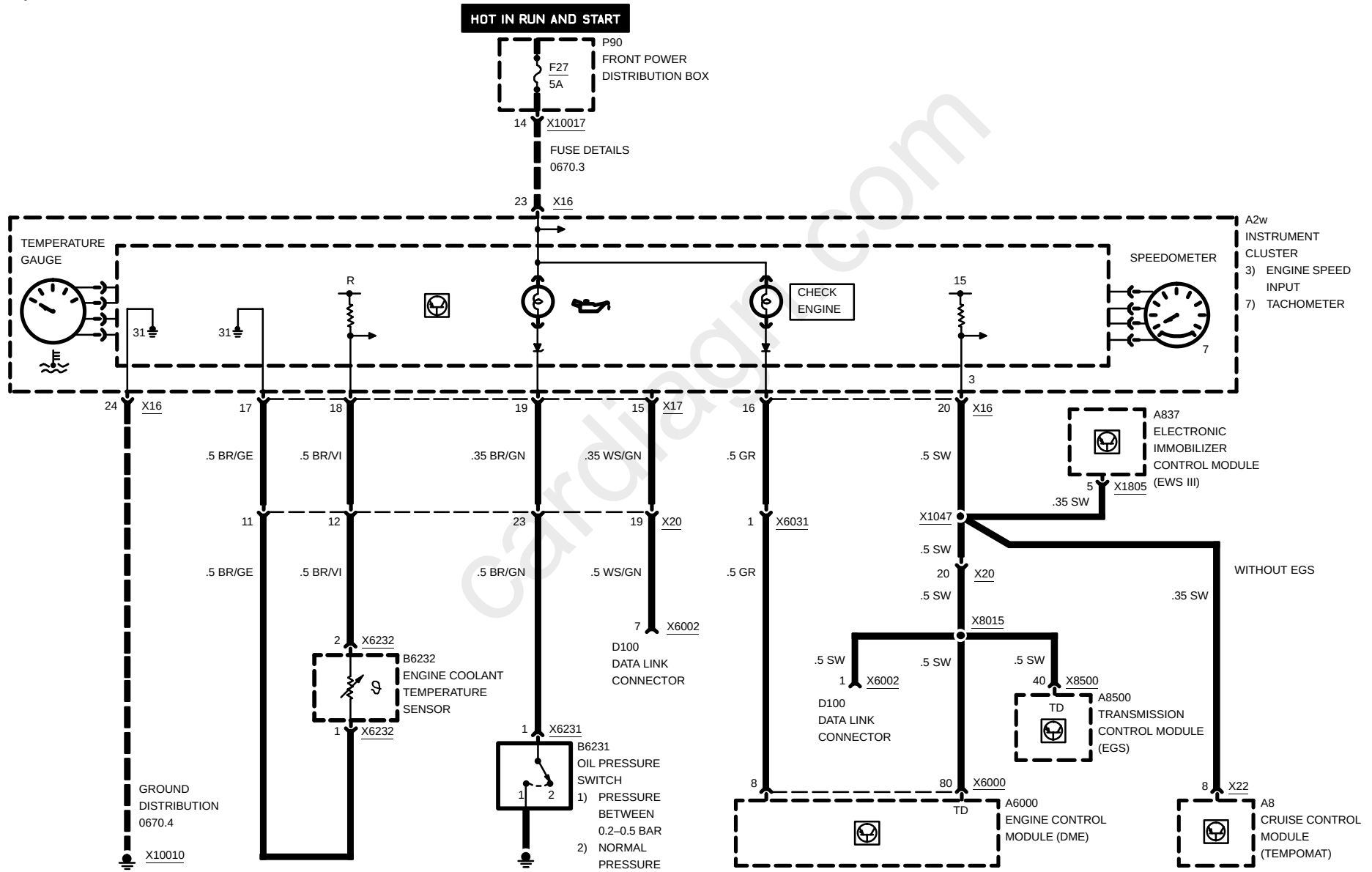


# INSTRUMENT CLUSTER

## INDICATORS

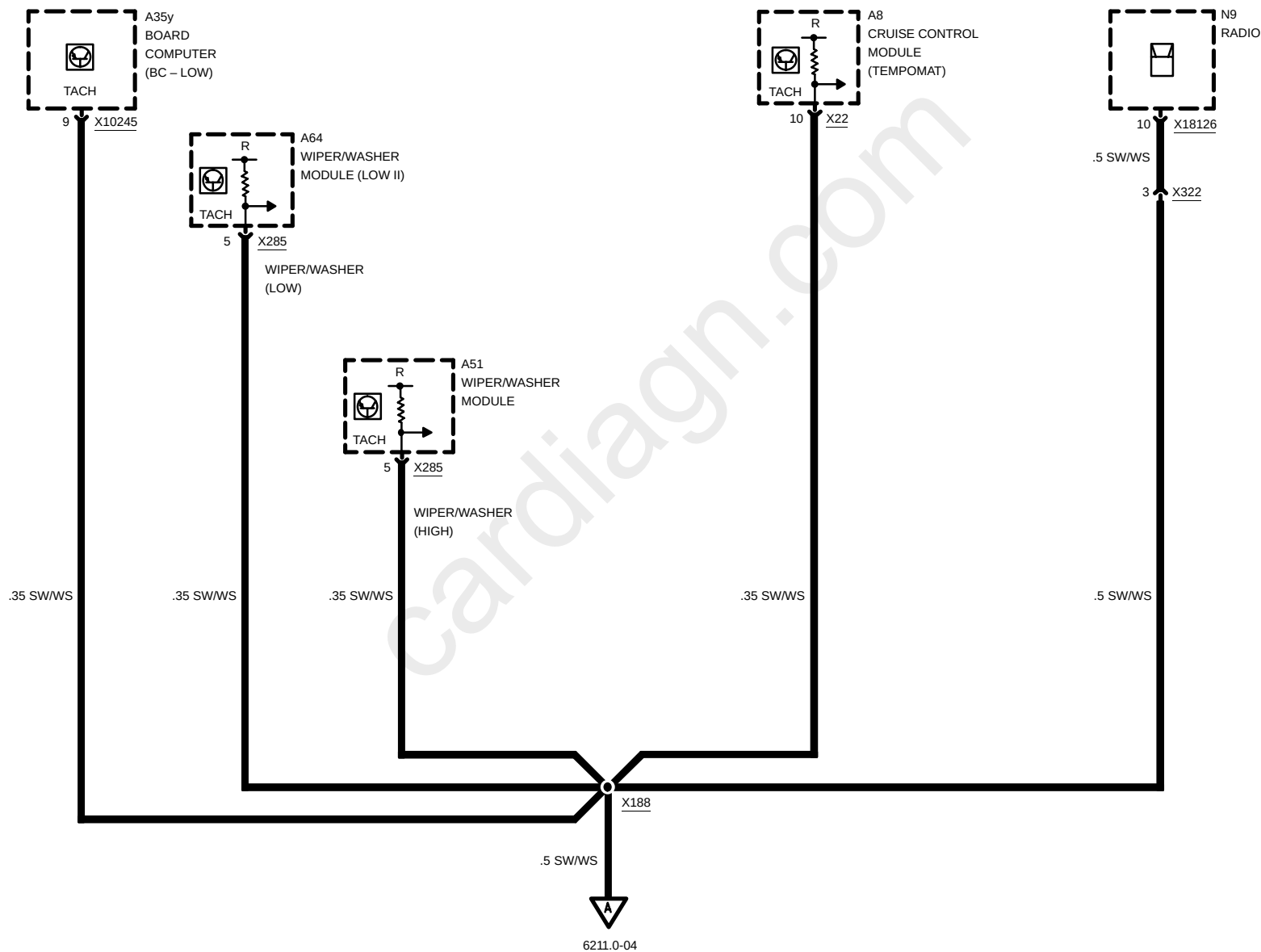


# INSTRUMENT CLUSTER INDICATORS



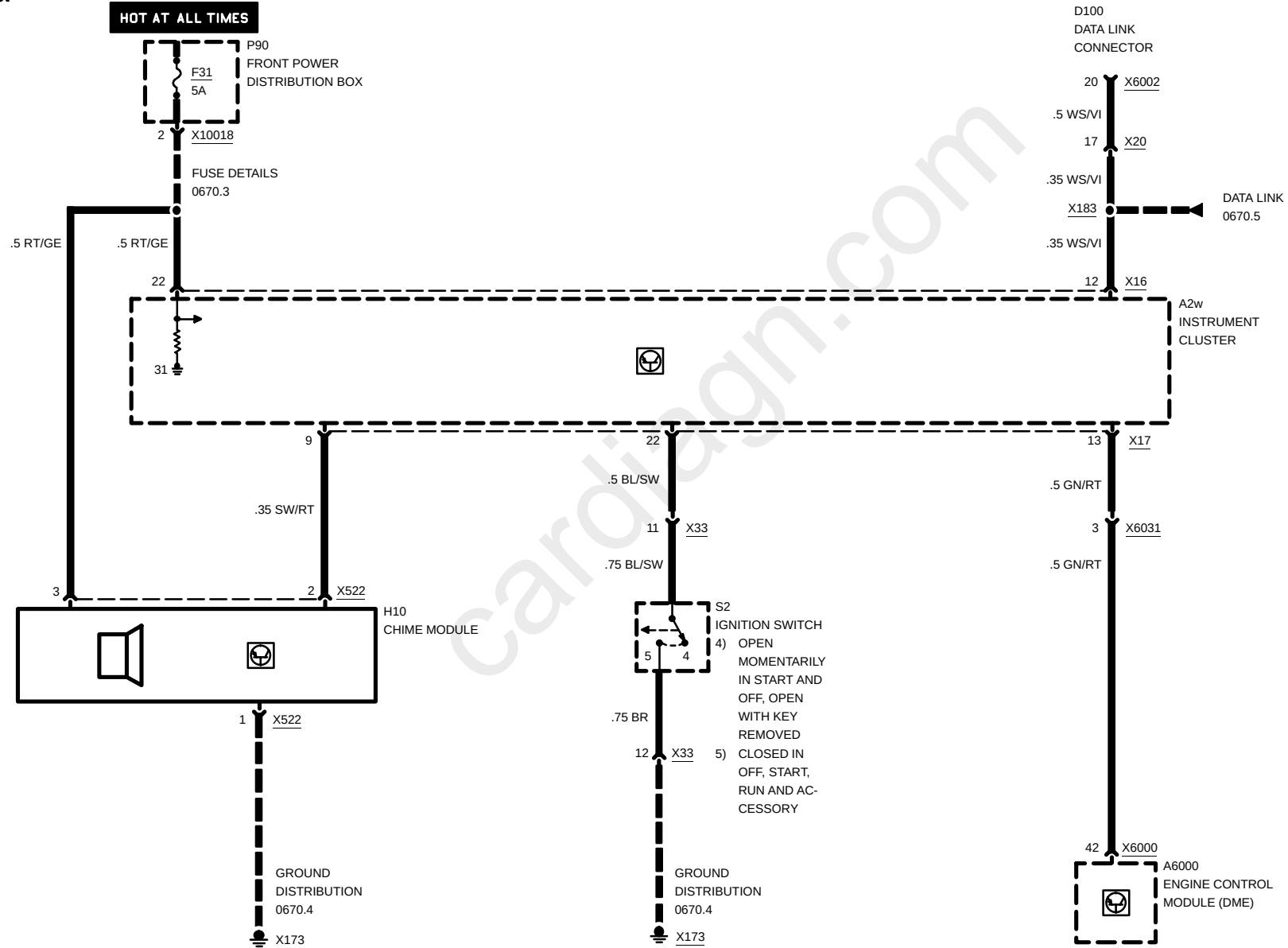
# INSTRUMENT CLUSTER

## SIGNAL-OUTPUT SPEEDOMETER

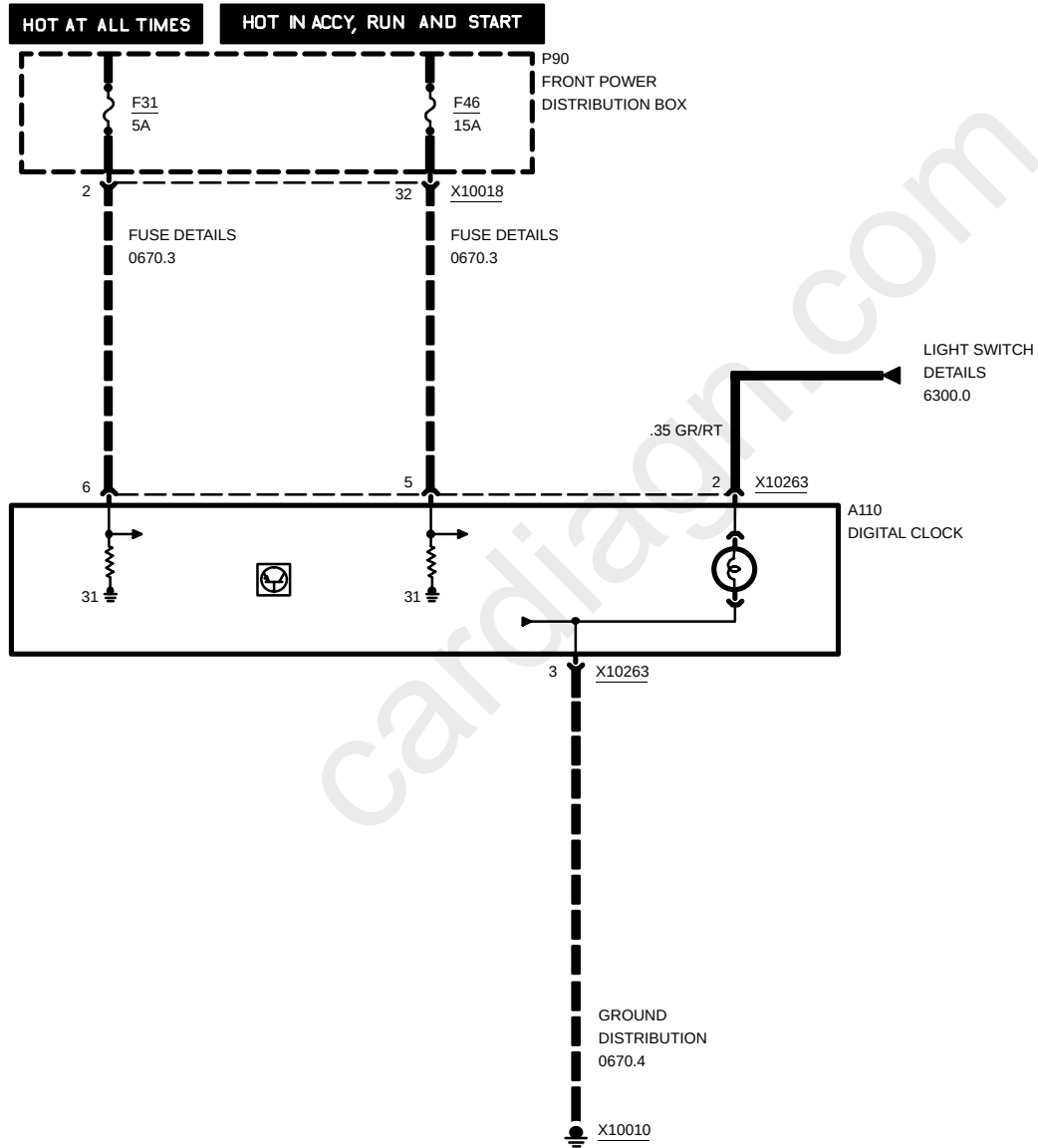




# INSTRUMENT CLUSTER



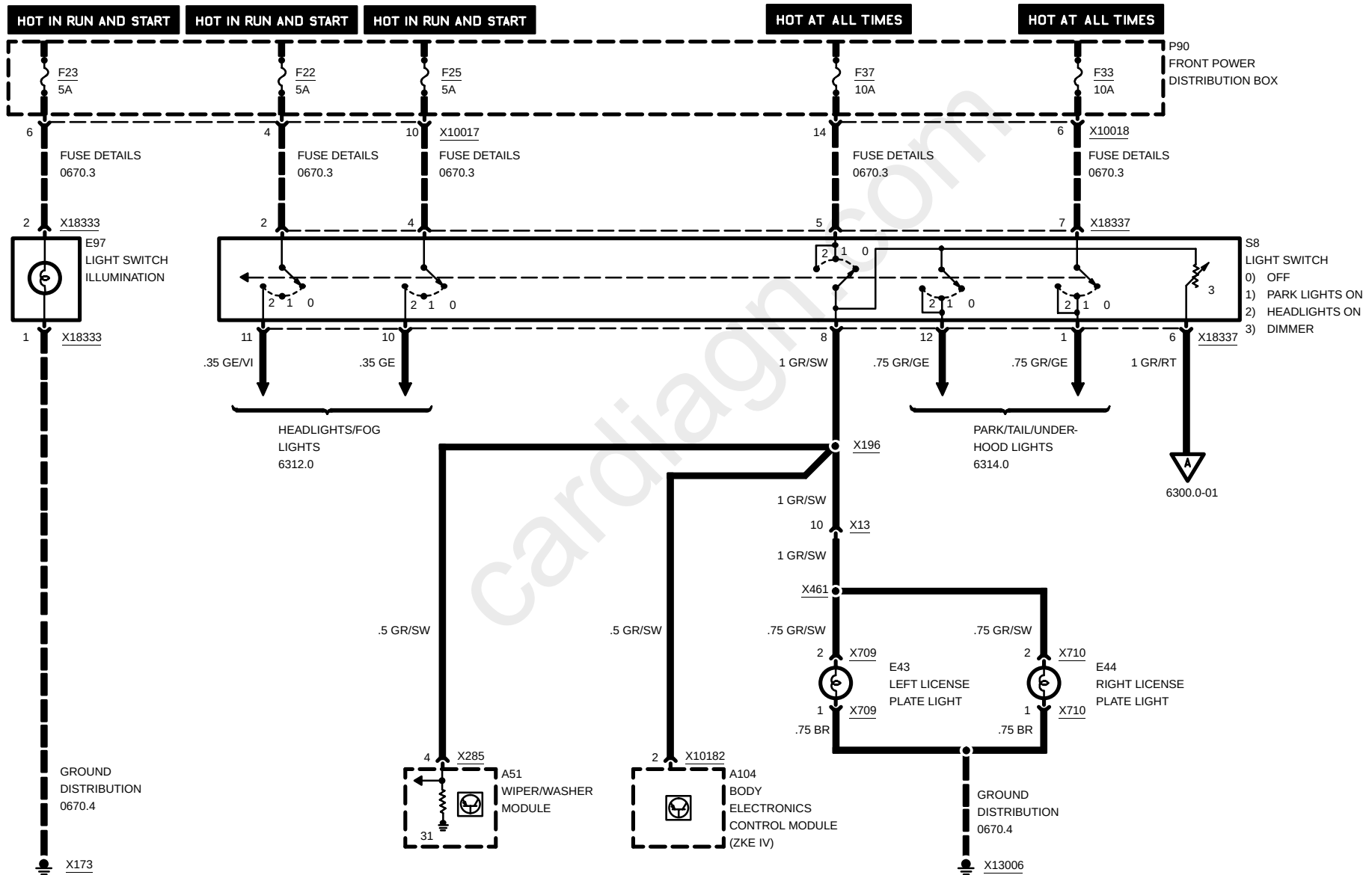
## 6213.0 CLOCK





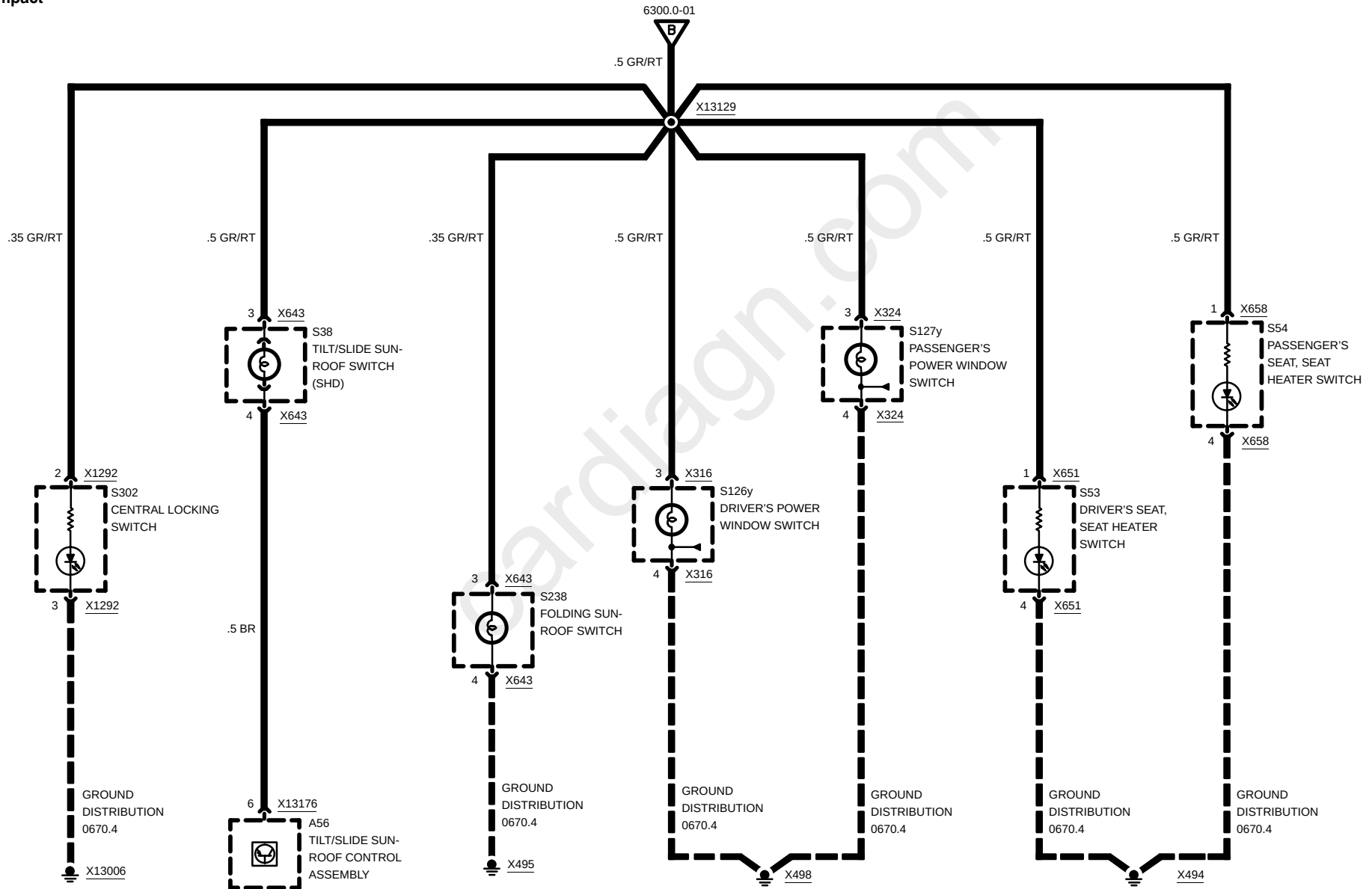
compact

## 6300.0 LIGHT SWITCH DETAILS

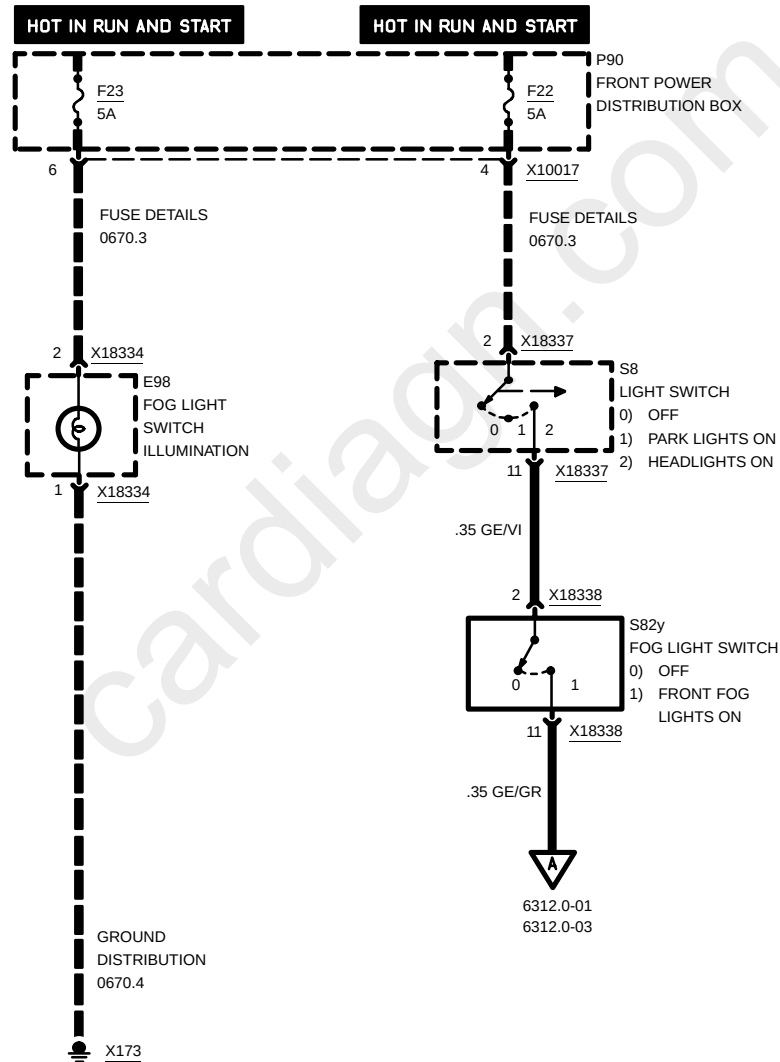




# LIGHT SWITCH DETAILS



## 6312.0 HEADLIGHTS/FOG LIGHTS

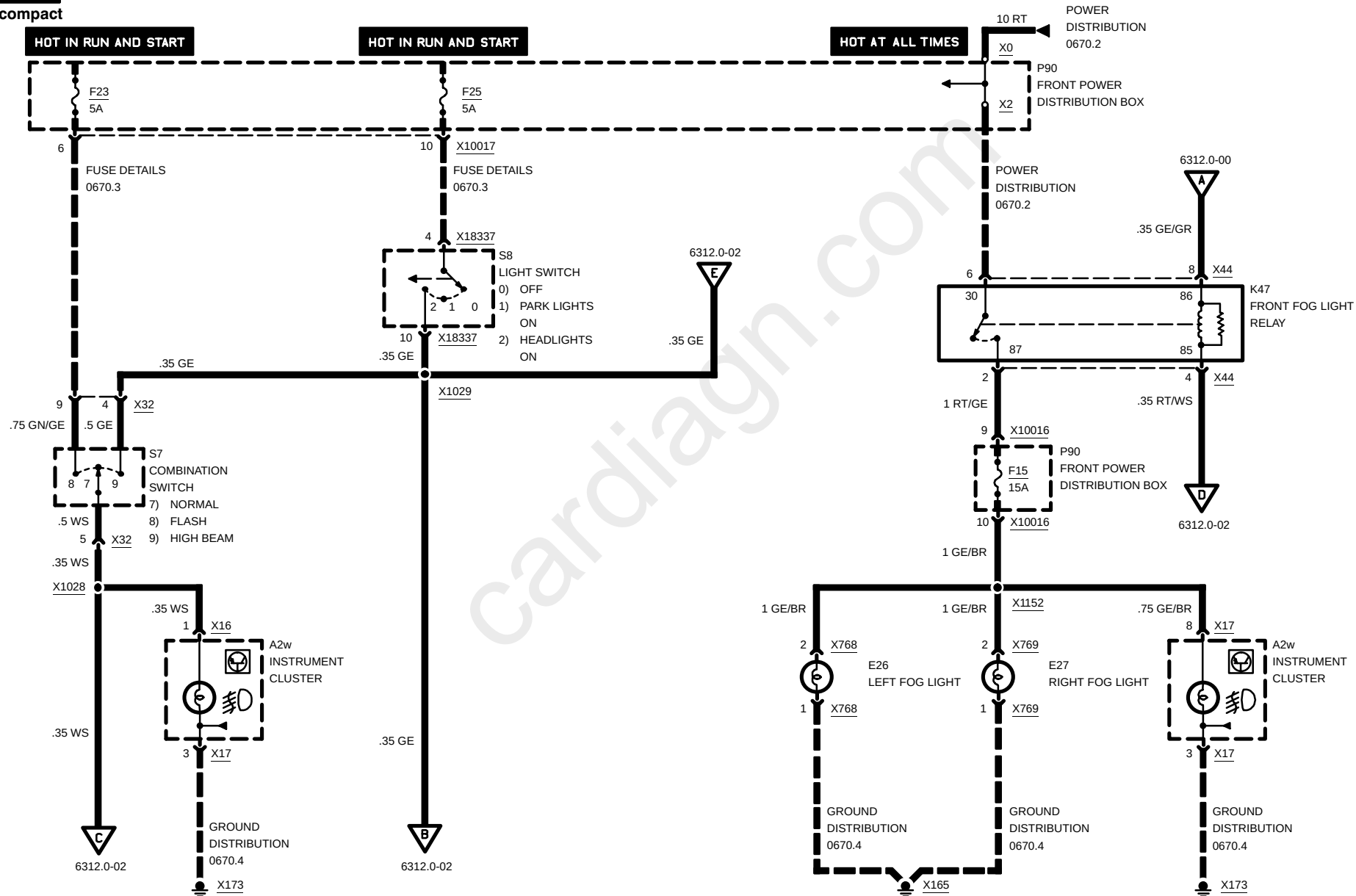




# HEADLIGHTS/FOG LIGHTS



compact



03/00

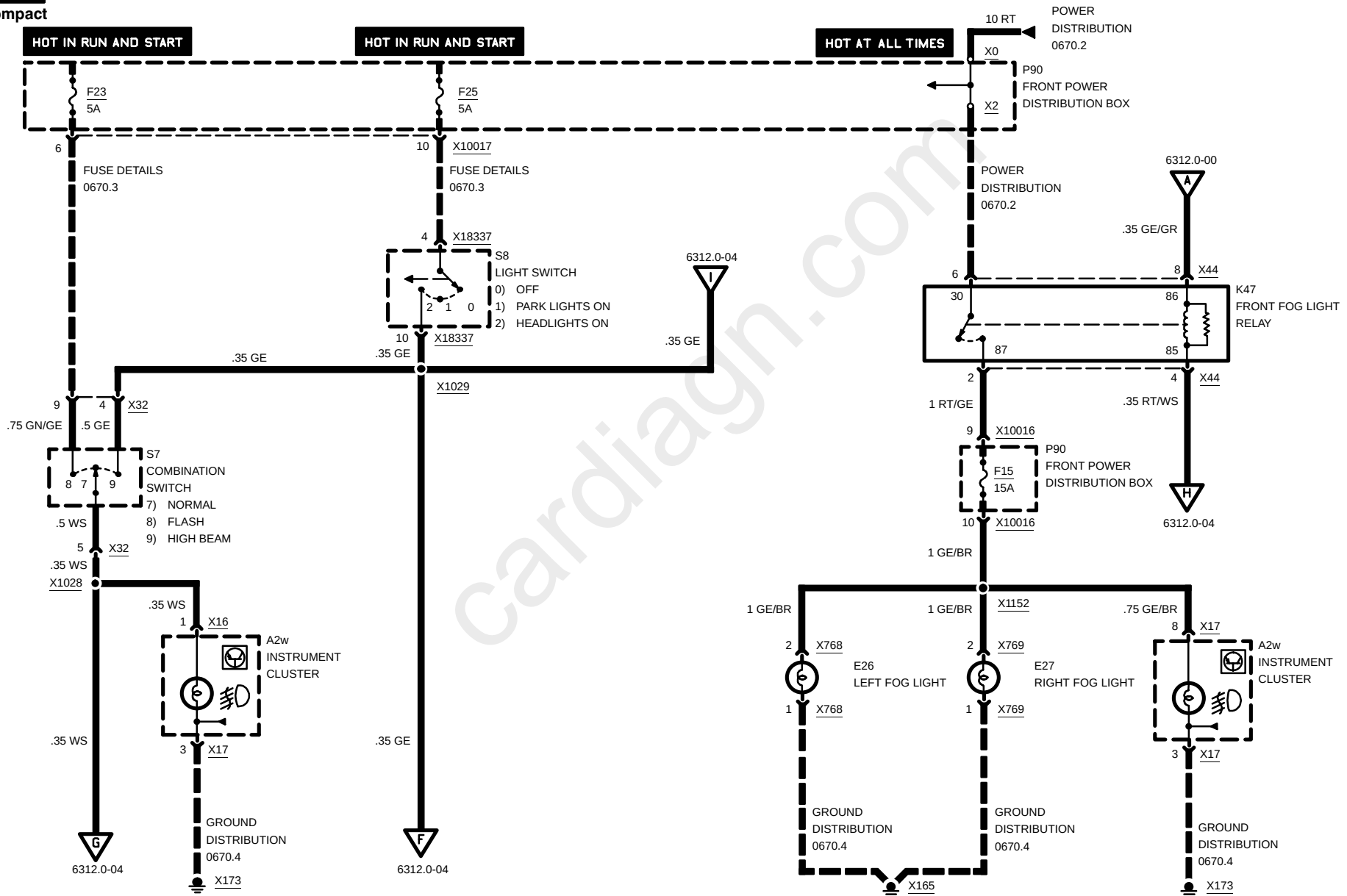
6312.0-01

1999



1999

# HEADLIGHTS/FOG LIGHTS





compact

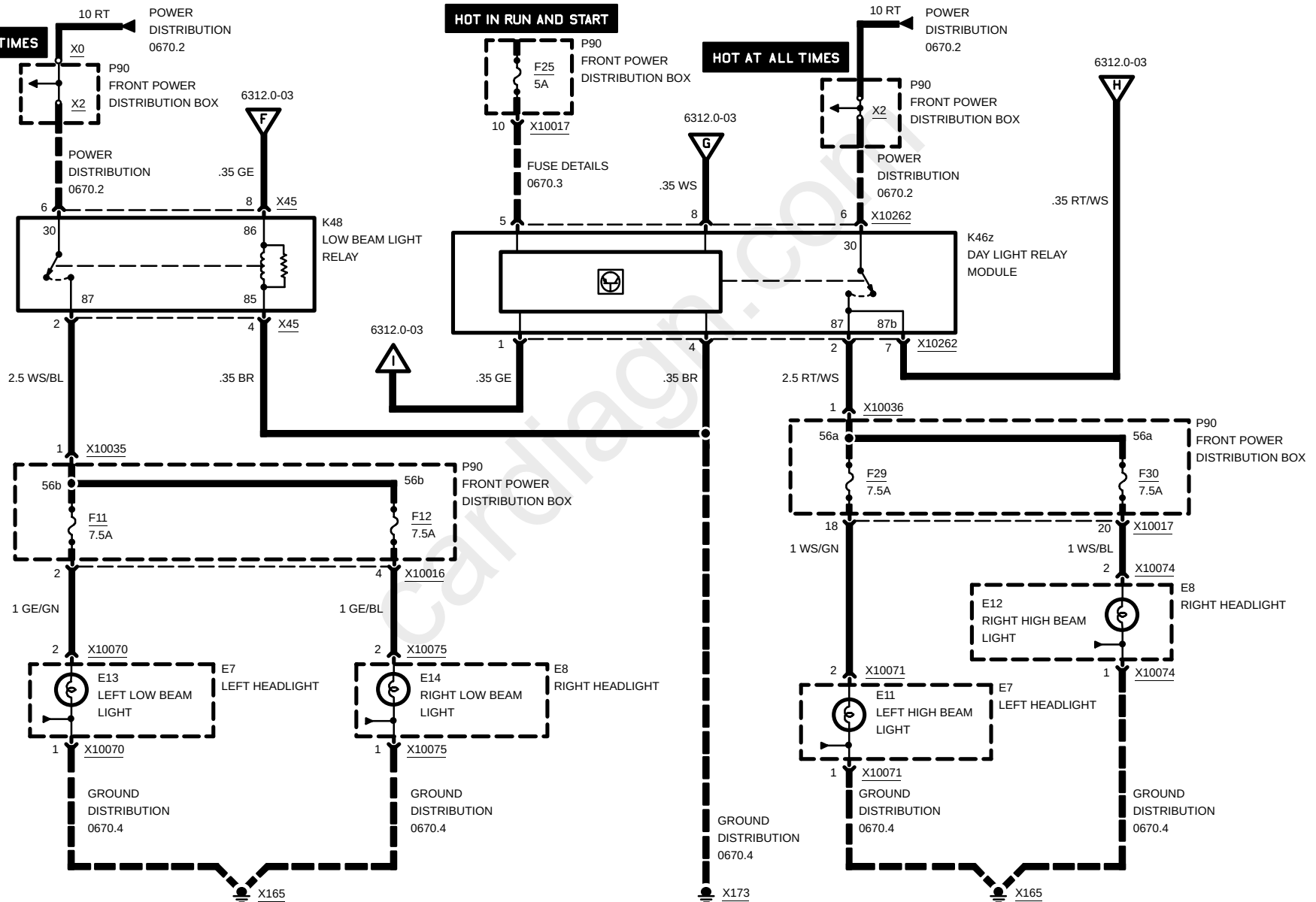
# HEADLIGHTS/FOG LIGHTS



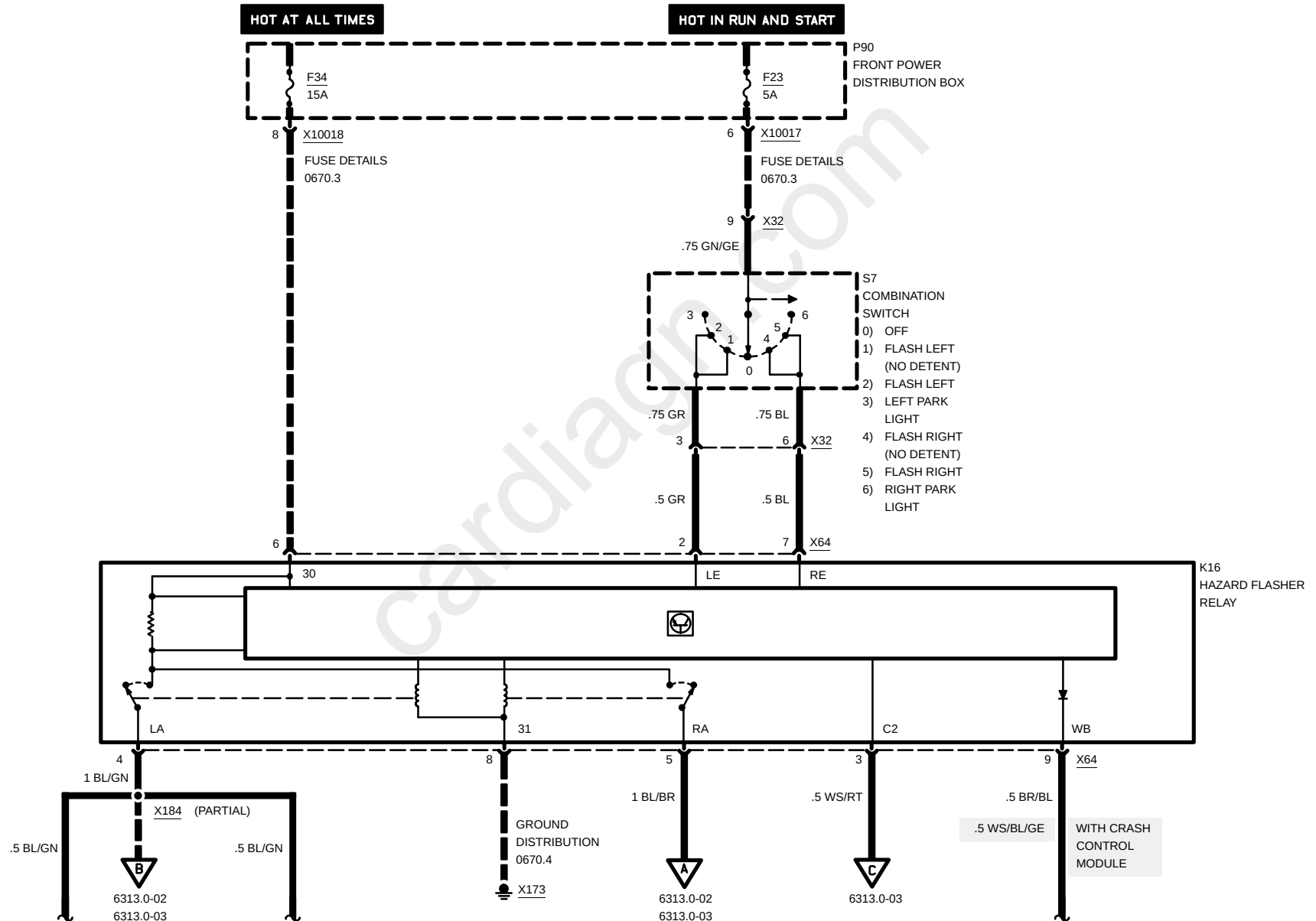
03/00

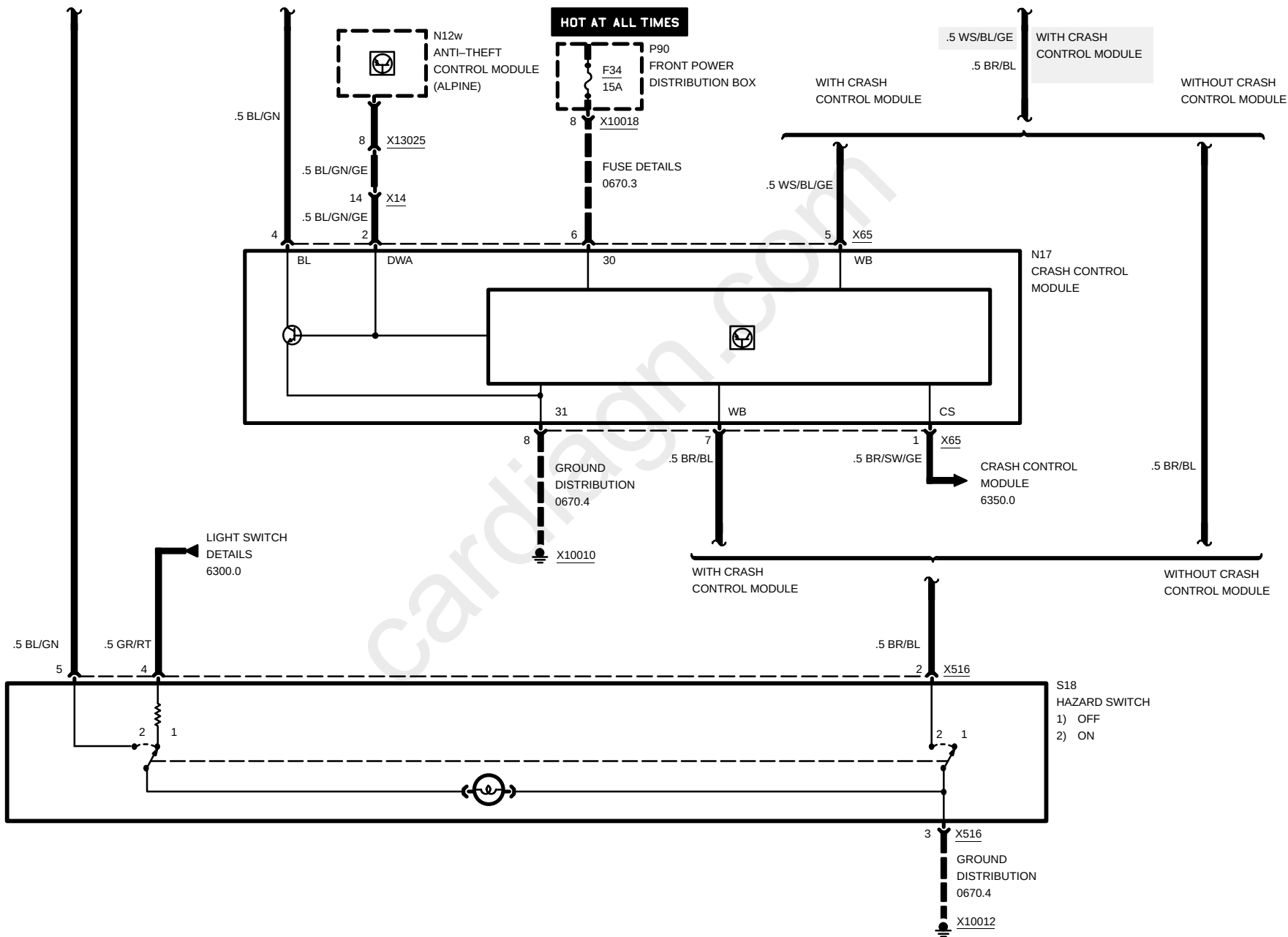
6312.0-04

1999

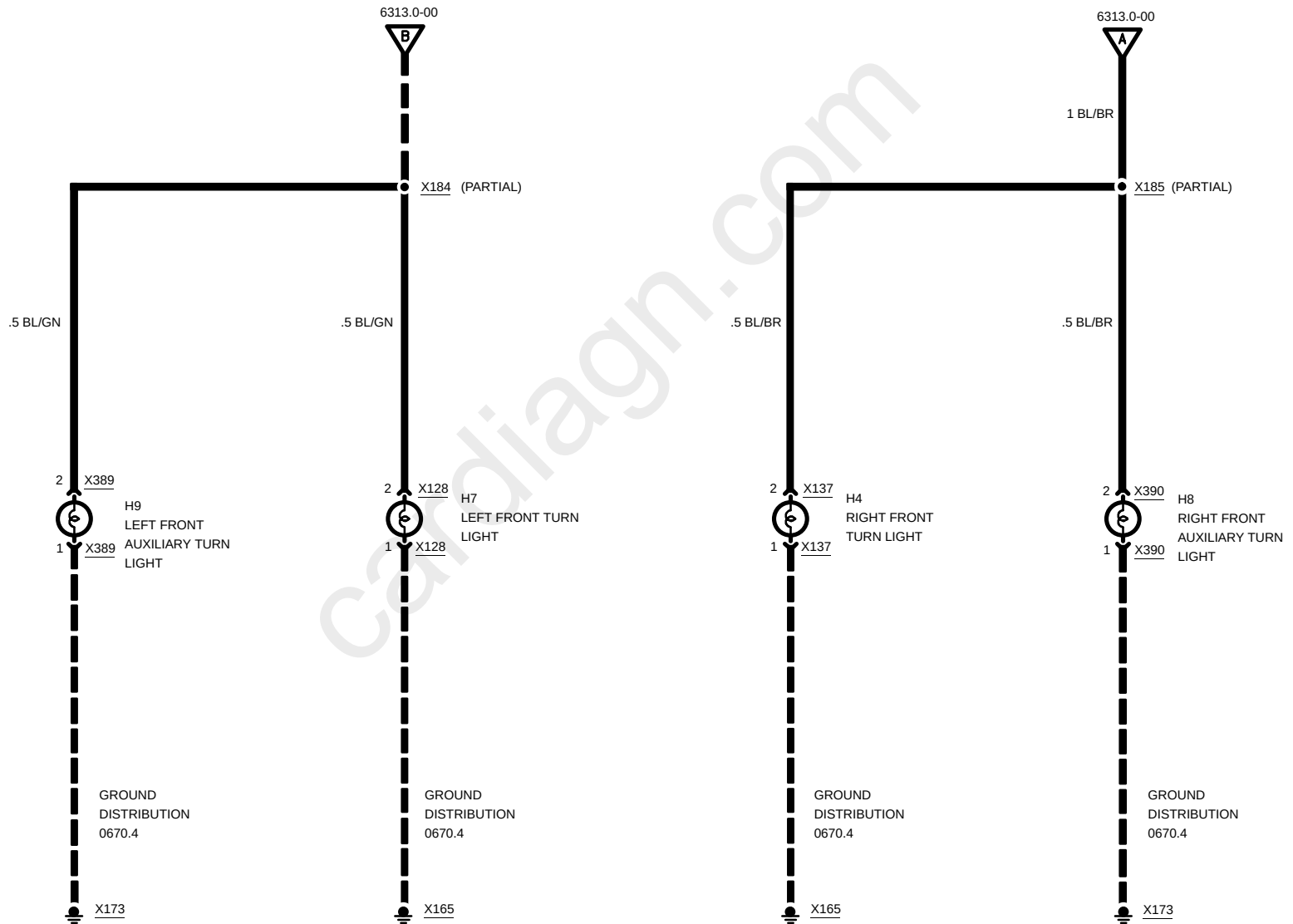


# 6313.0 TURN/HAZARD LIGHTS

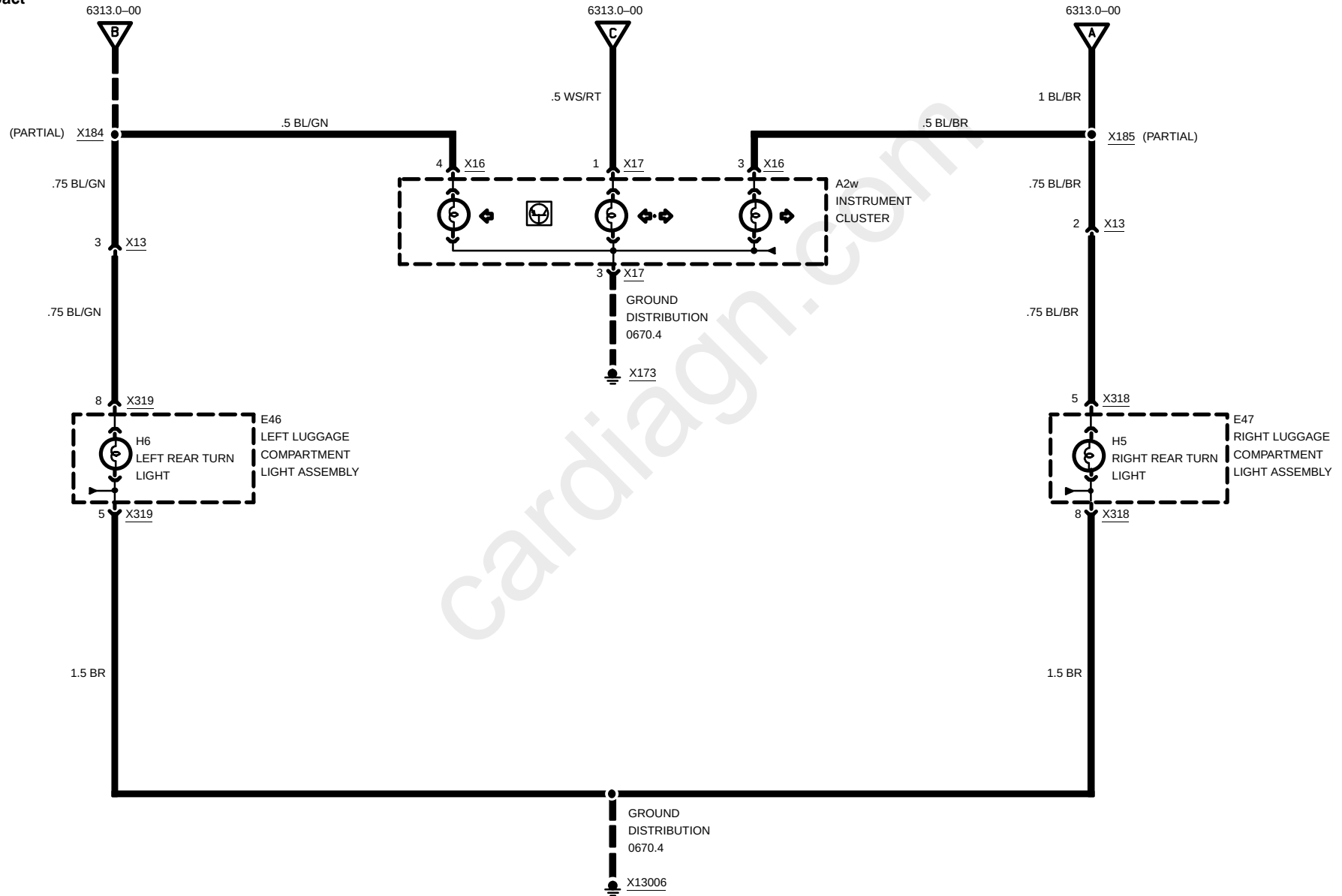




## TURN/HAZARD LIGHTS



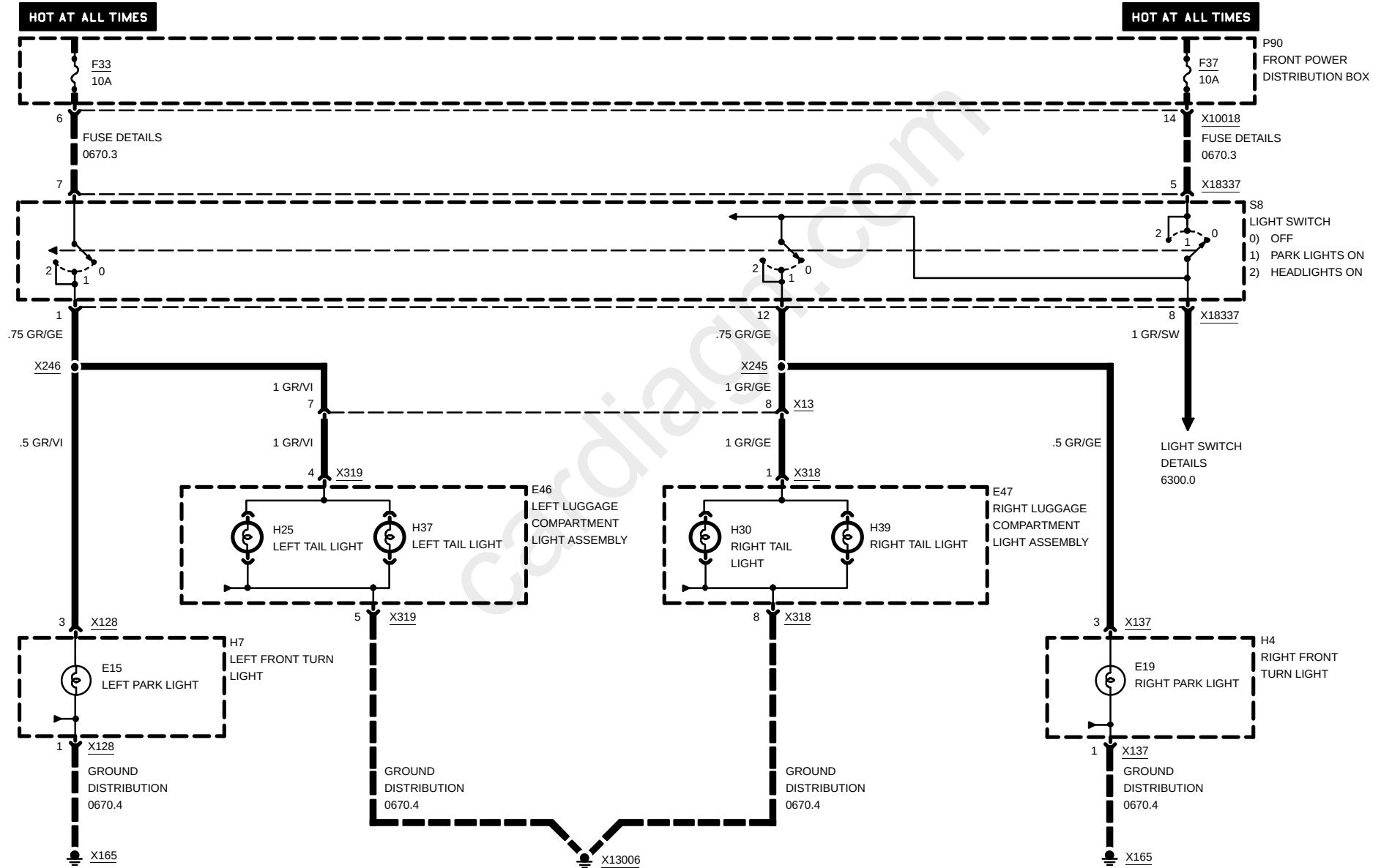
## TURN/HAZARD LIGHTS





## 6314.0 PARK/TAIL/UNDERHOOD LIGHTS

compact

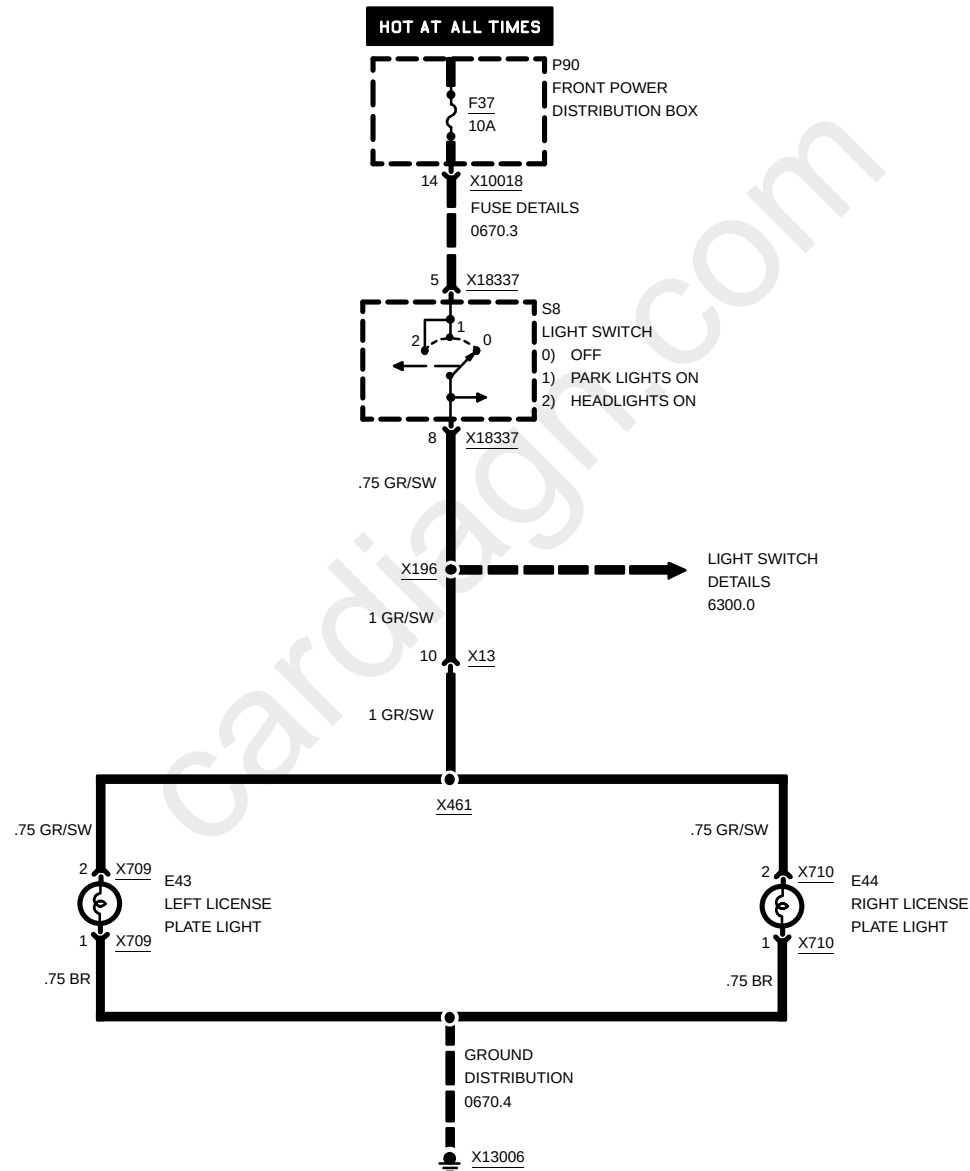


03/00

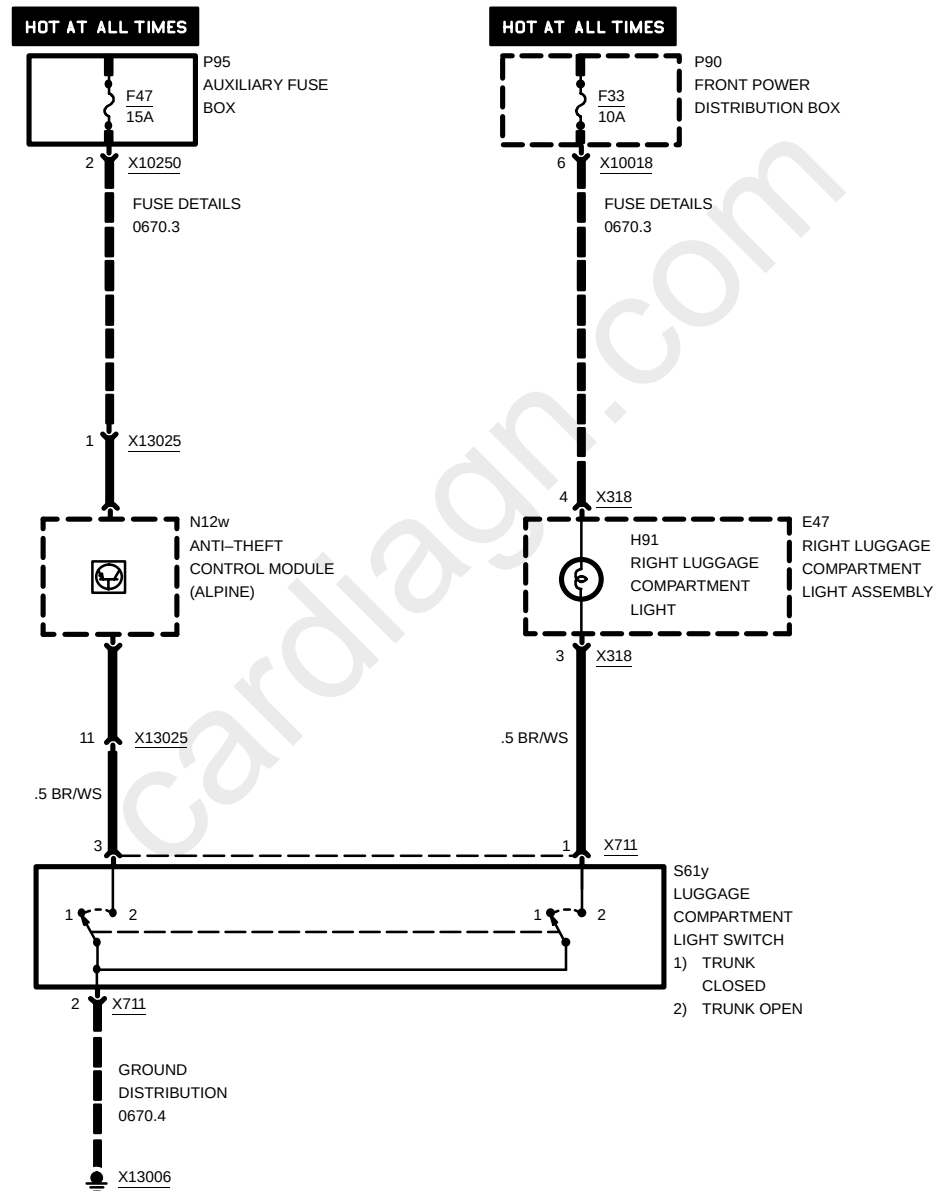
6314.0-00

1999

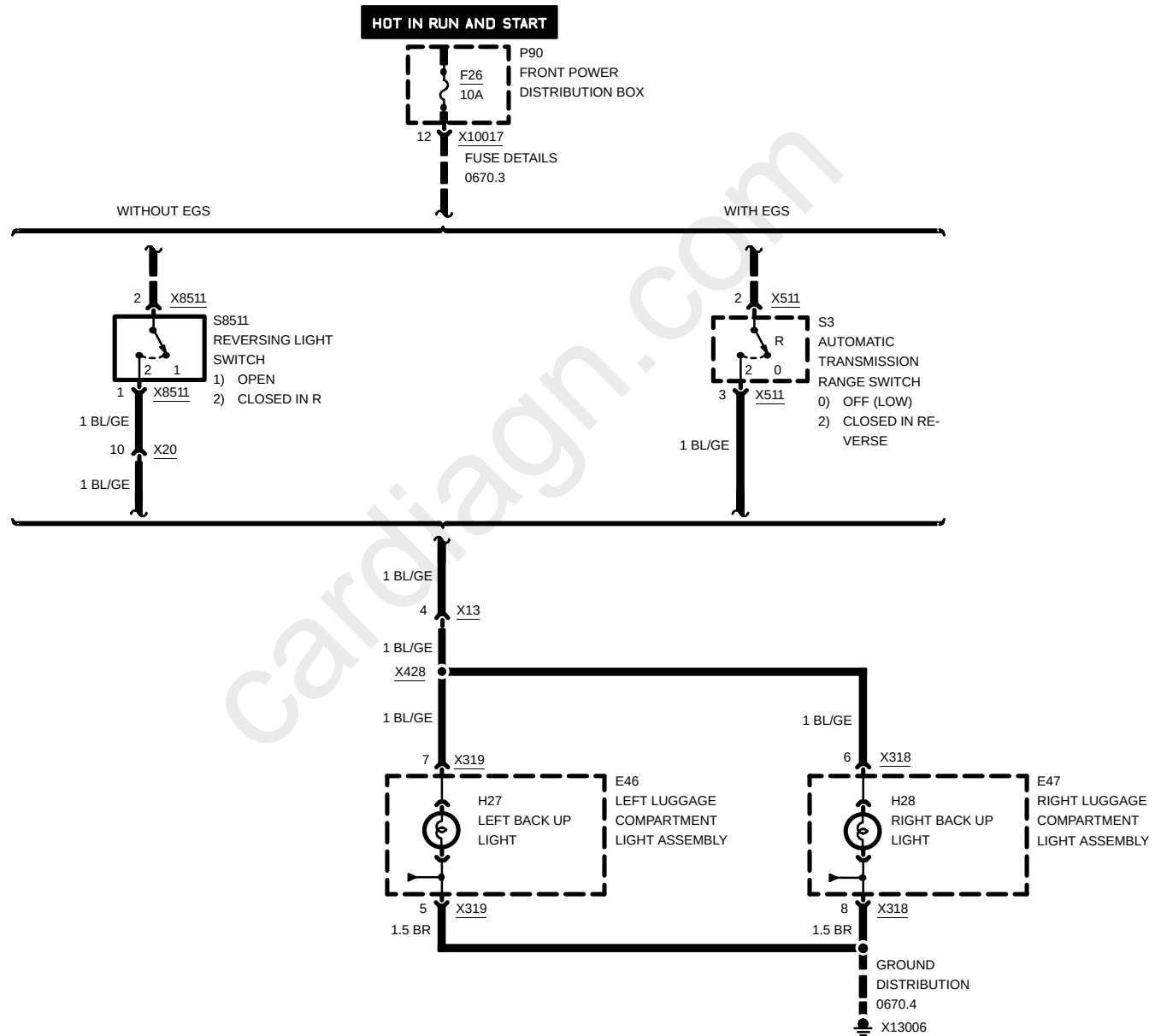
## 6320.0 LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS



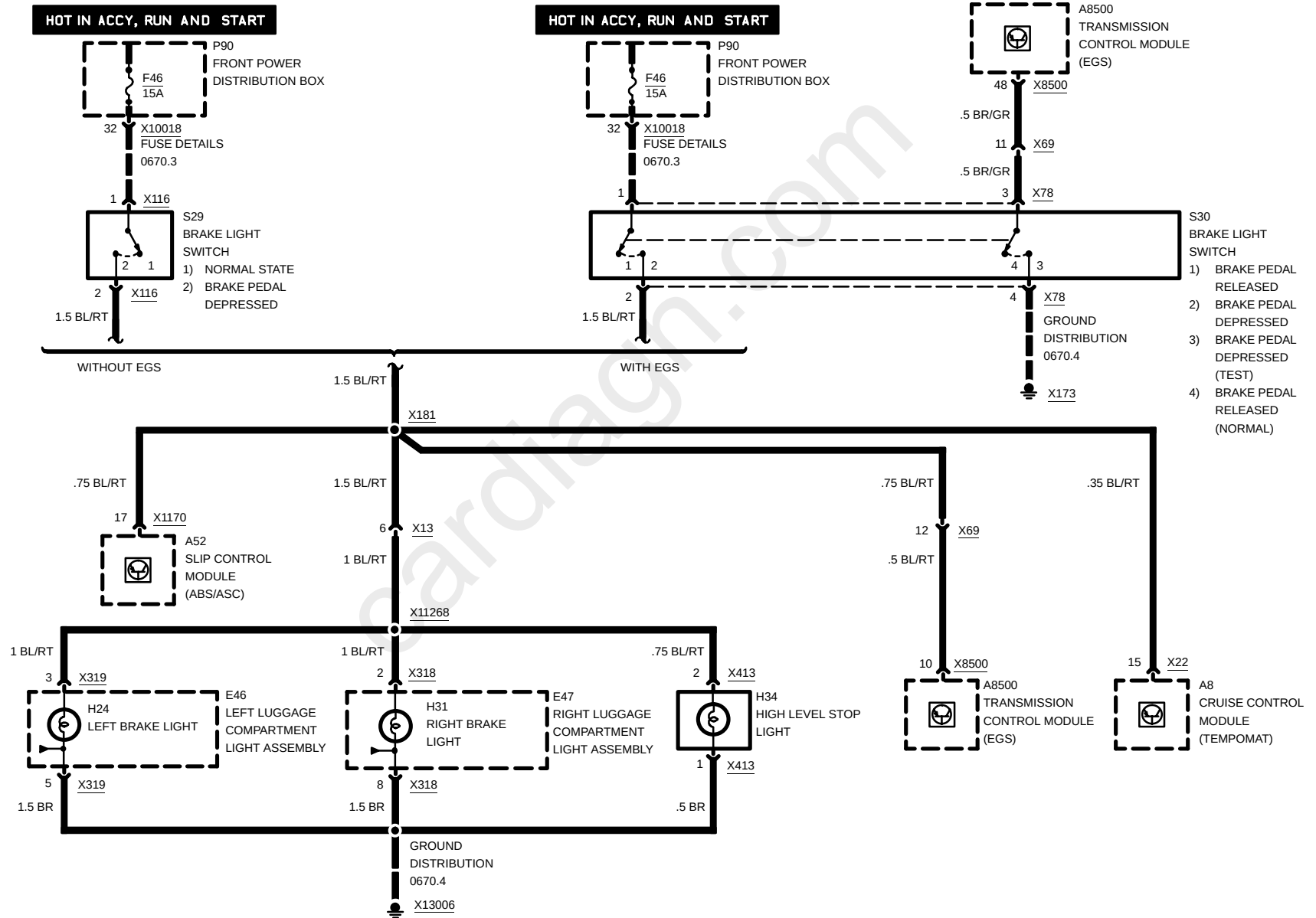
## LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS



## 6322.0 BACK UP LIGHTS

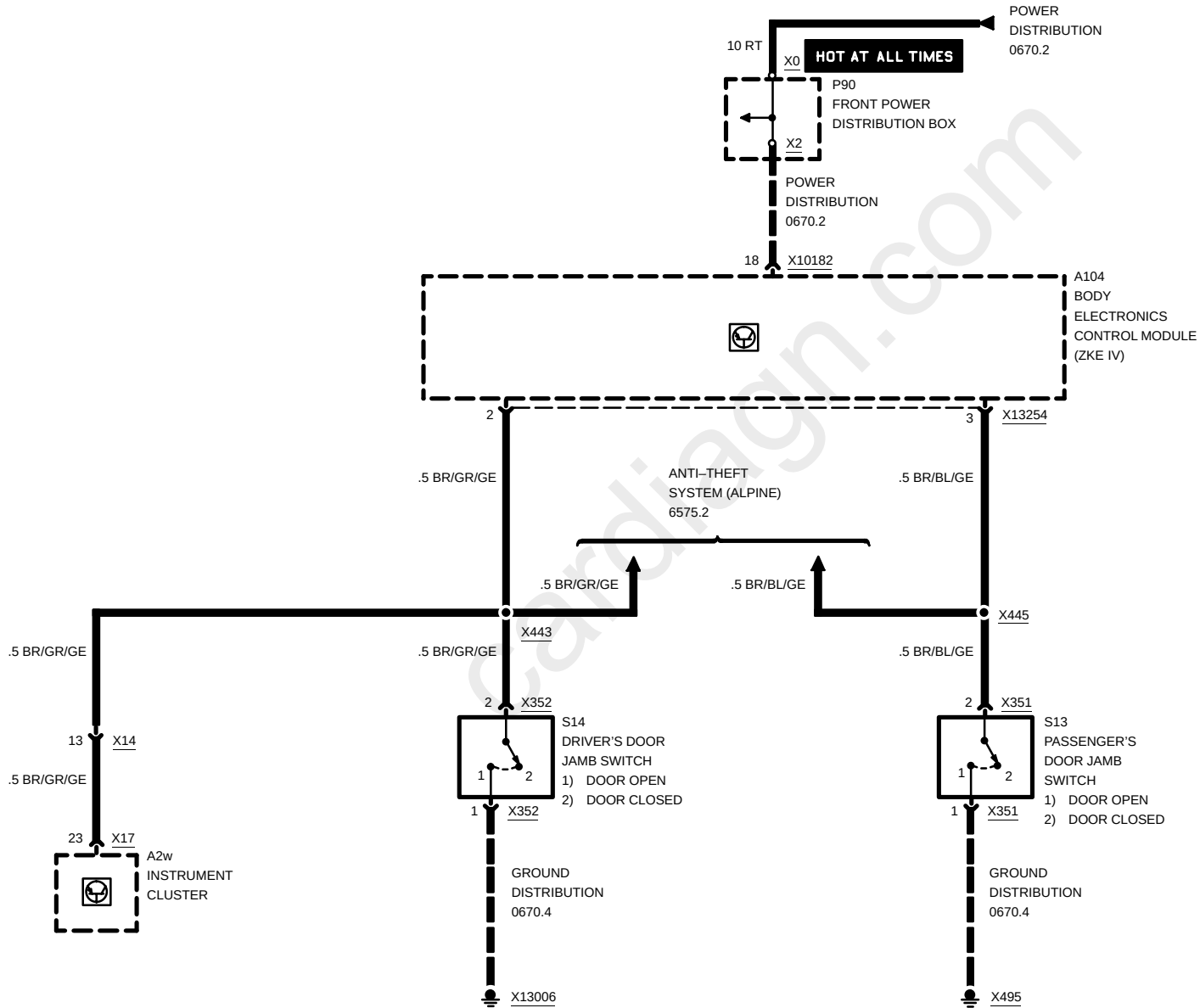


## 6325.0 BRAKE LIGHTS

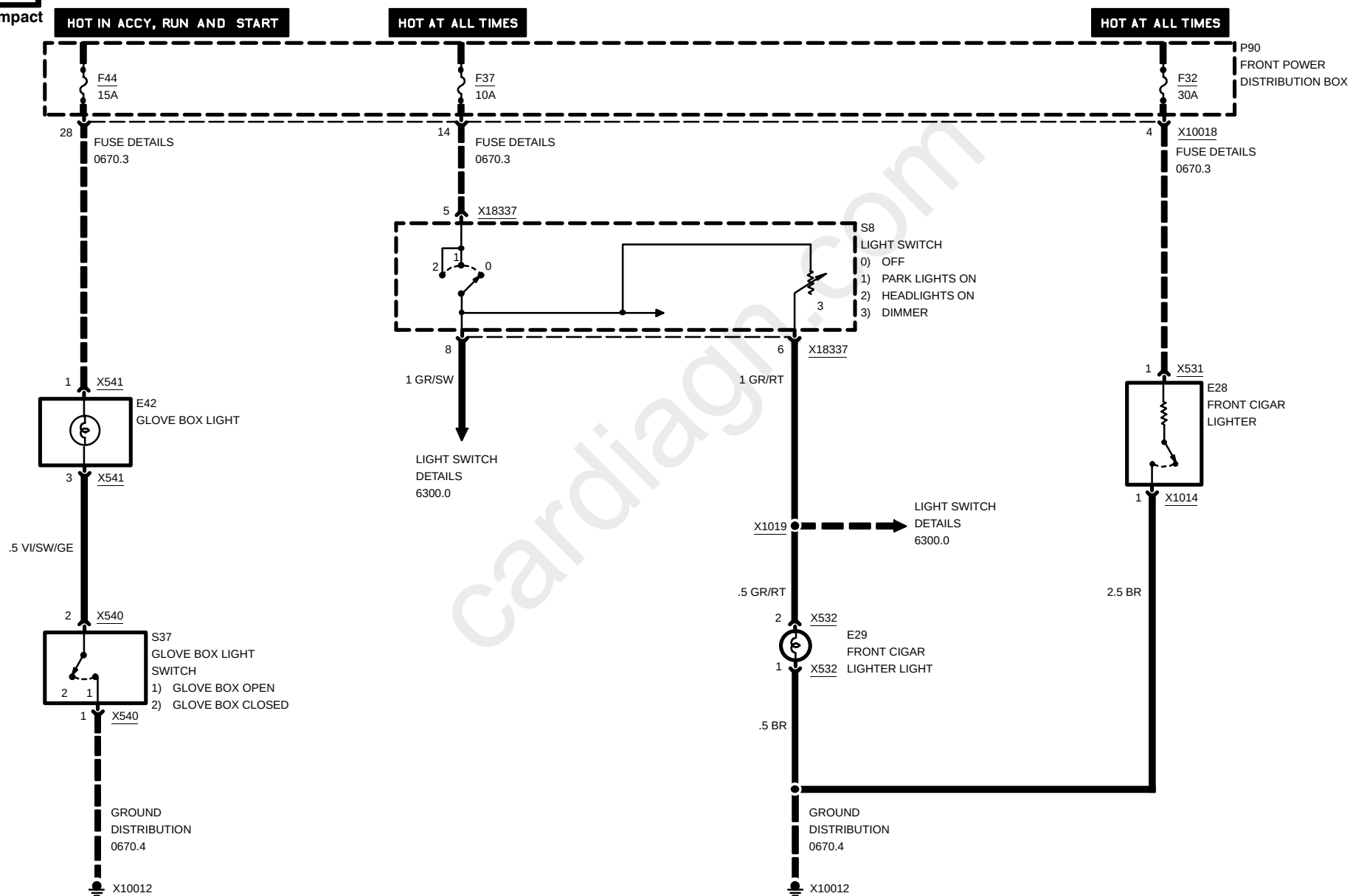




# INTERIOR LIGHTS

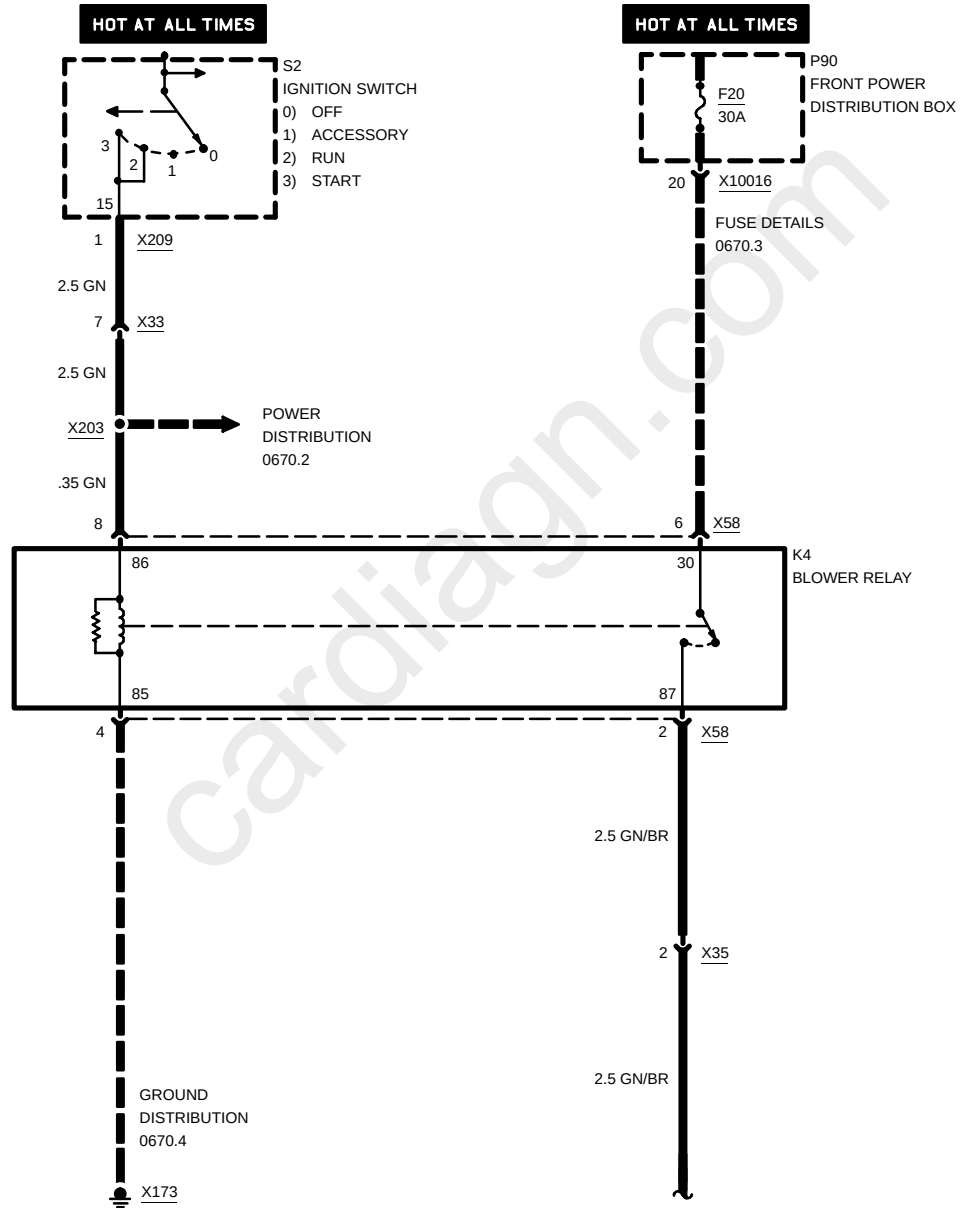


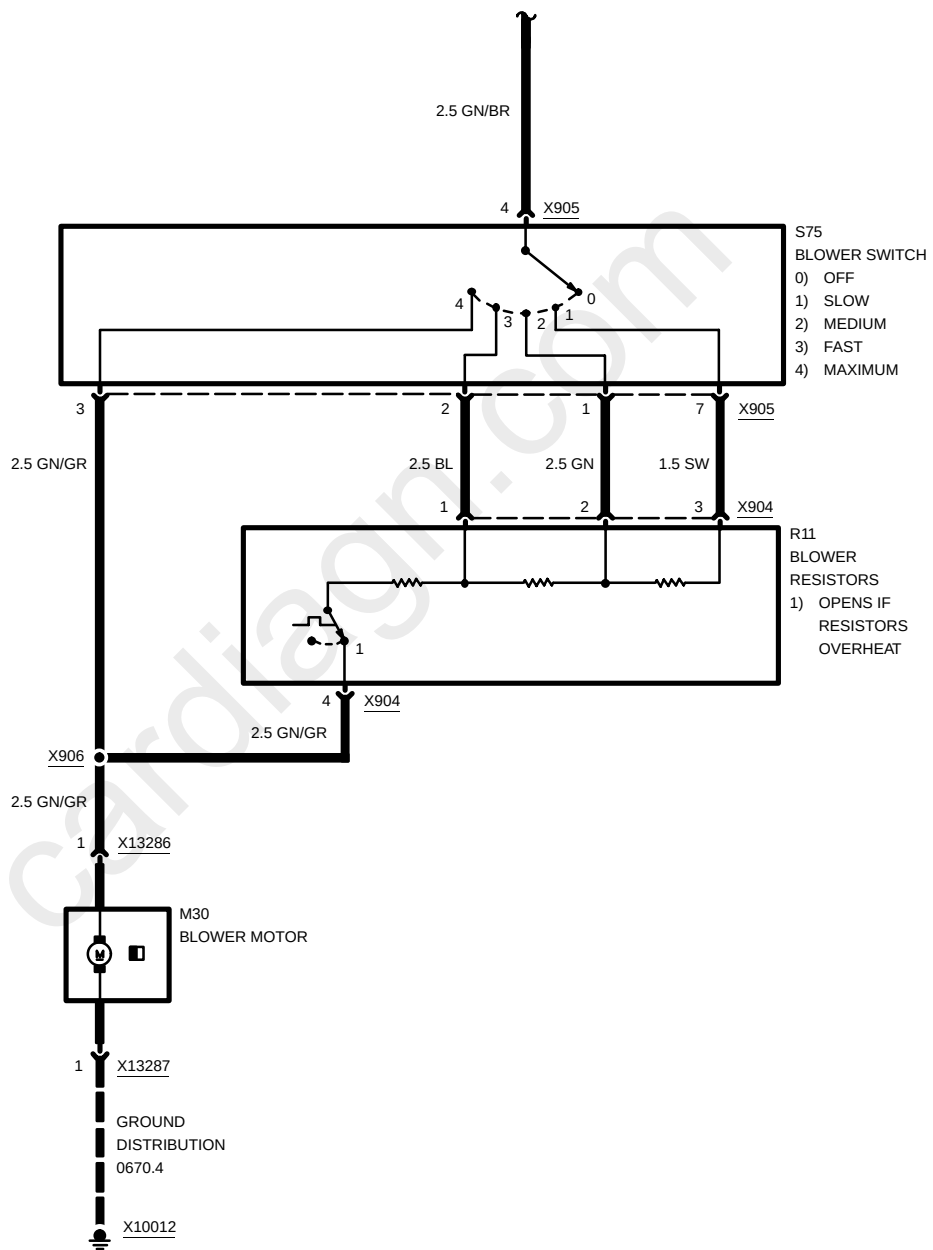
# 6332.0 INTERIOR ACCESSORIES



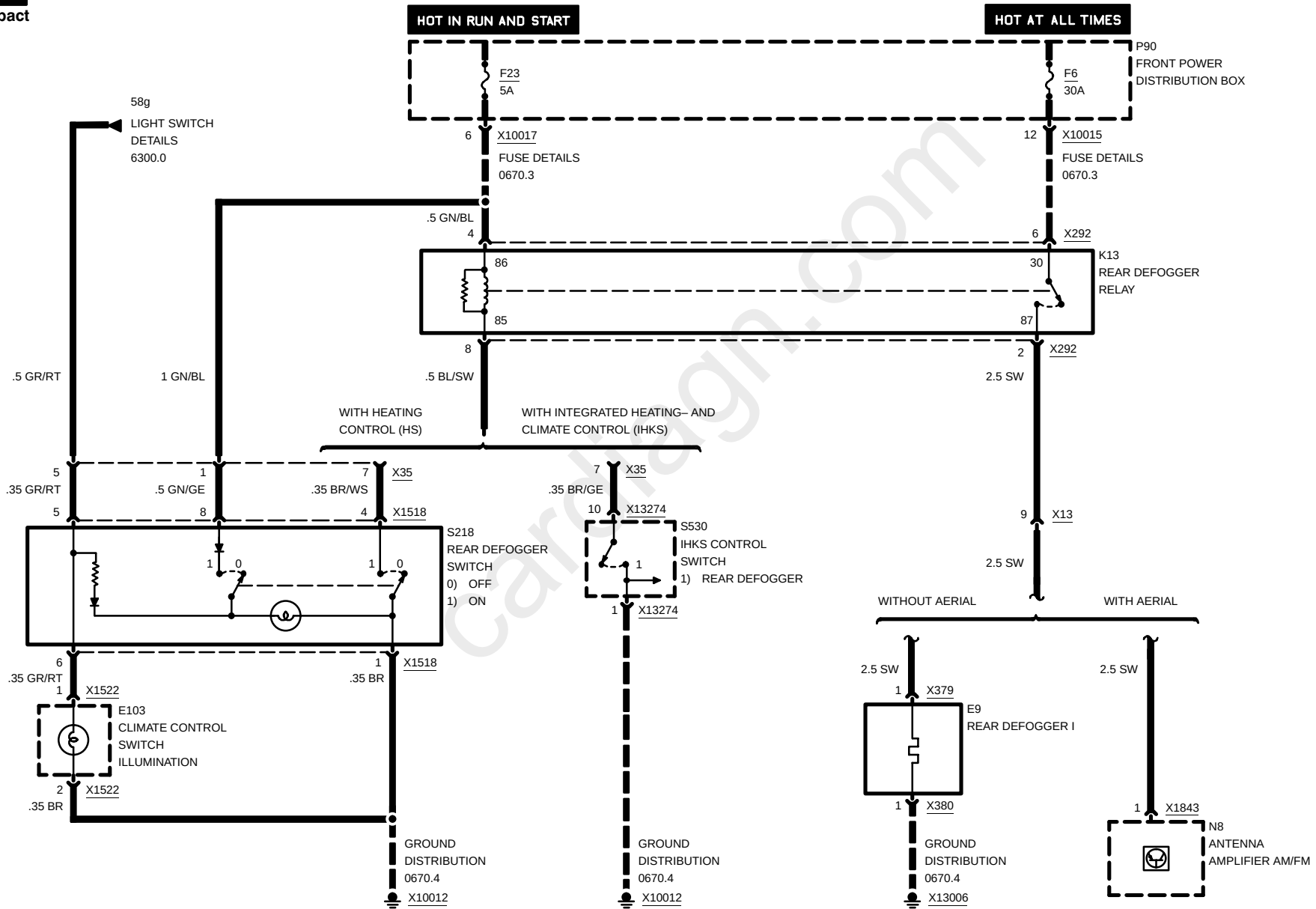


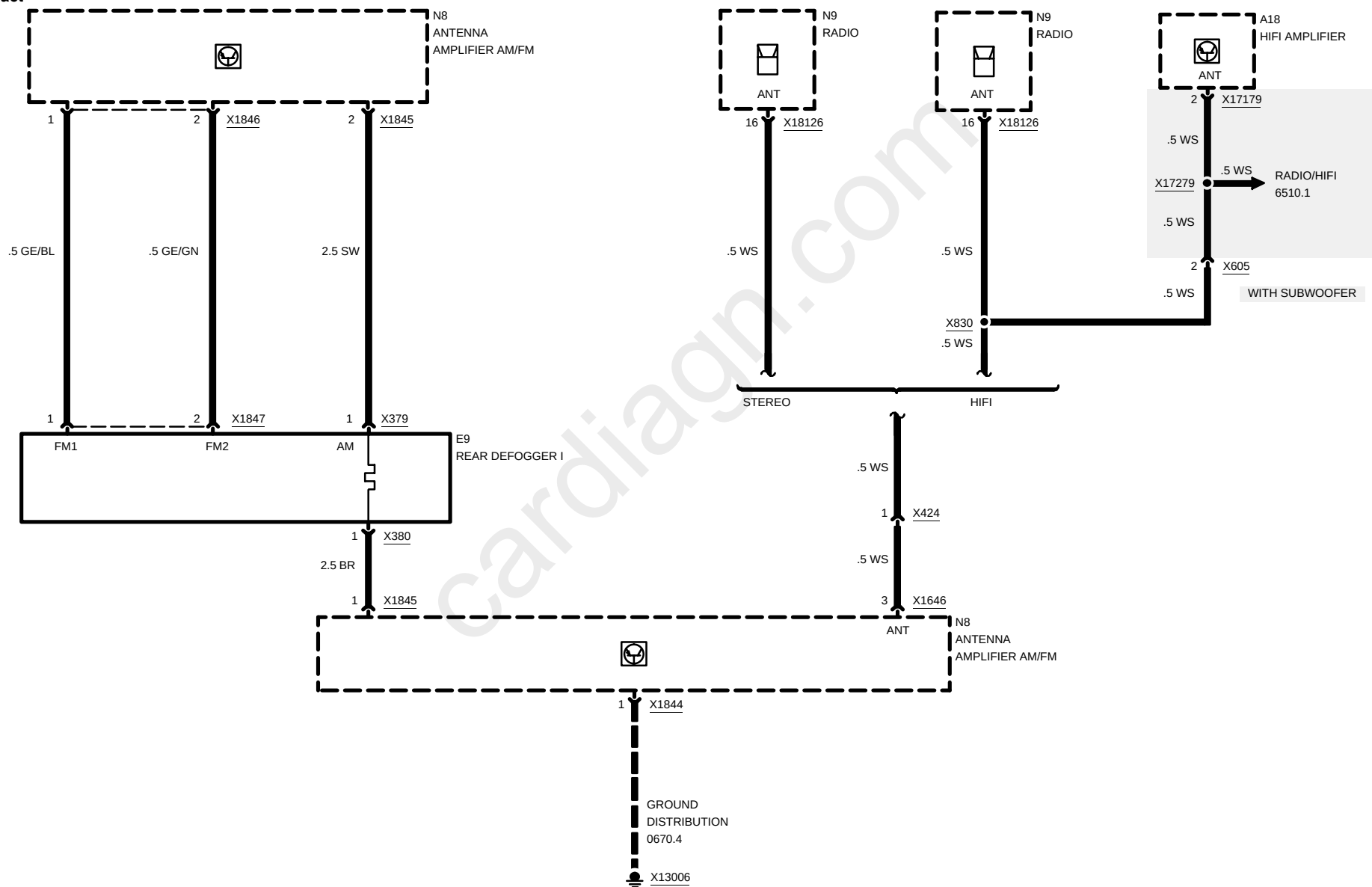
# 6410.7 HEATING CONTROL (HS)

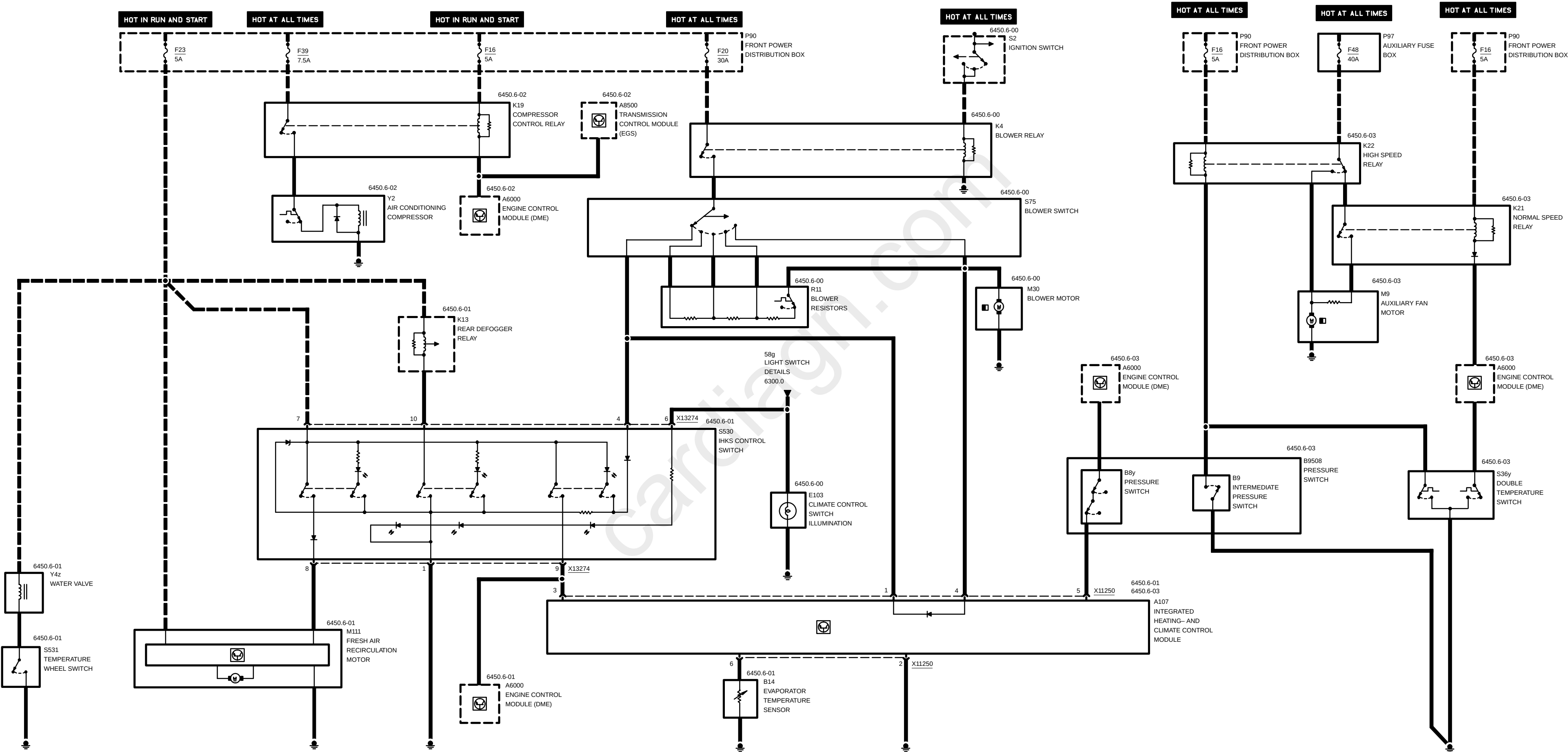


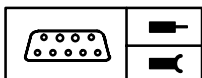


# 6424.0 REAR WINDOW DEFOGGER/ANTENNA









## Pin Assignments

|        |                |
|--------|----------------|
| X11250 | 6-Pins, black  |
| X13274 | 10-Pins, black |

### X11250

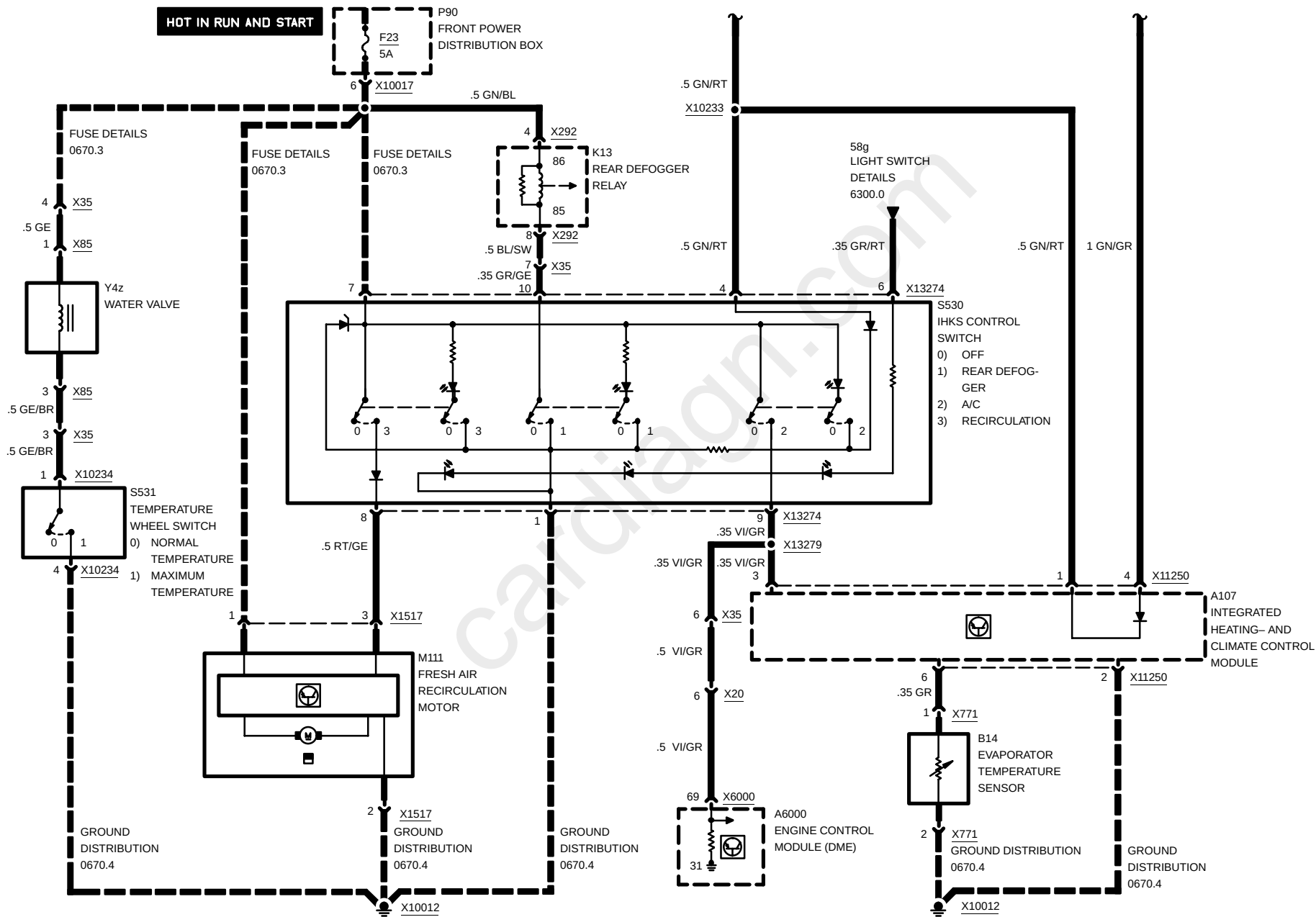
| Pin | Type | Description/Function     | Connection                               |
|-----|------|--------------------------|------------------------------------------|
| 1   | E    | Air recirculation signal | Blower switch                            |
| 2   | M    | Ground                   | Ground point                             |
| 3   | E    | Function signal          | IHKS switch, engine control module (DME) |
| 4   | E    | Air recirculation signal | Blower switch                            |
| 5   | E    | Pressure signal          | Pressure switch                          |
| 6   | E    | Evaporative temperature  | Evaporative temperature sensor           |

### X13274

| Pin | Type | Description/Function     | Connection                                       |
|-----|------|--------------------------|--------------------------------------------------|
| 1   | M    | Ground                   | Ground point                                     |
| 2   |      | Not used                 |                                                  |
| 3   |      | Not used                 |                                                  |
| 4   | E    | Air-recirculation signal | Blower switch                                    |
| 5   |      | Not used                 |                                                  |
| 6   | E    | Terminal 58g             | Light switch                                     |
| 7   | E    | Terminal 15              | Front power distribution box, fuse 23            |
| 8   | A    | Air recirculation signal | Fresh air recirculation motor                    |
| 9   | A    | Function signal          | IHKS-control module, engine control module (DME) |
| 10  | A    | Rear defogger signal     | Rear window defogger relay                       |

E = Input, A = Output, M = Ground



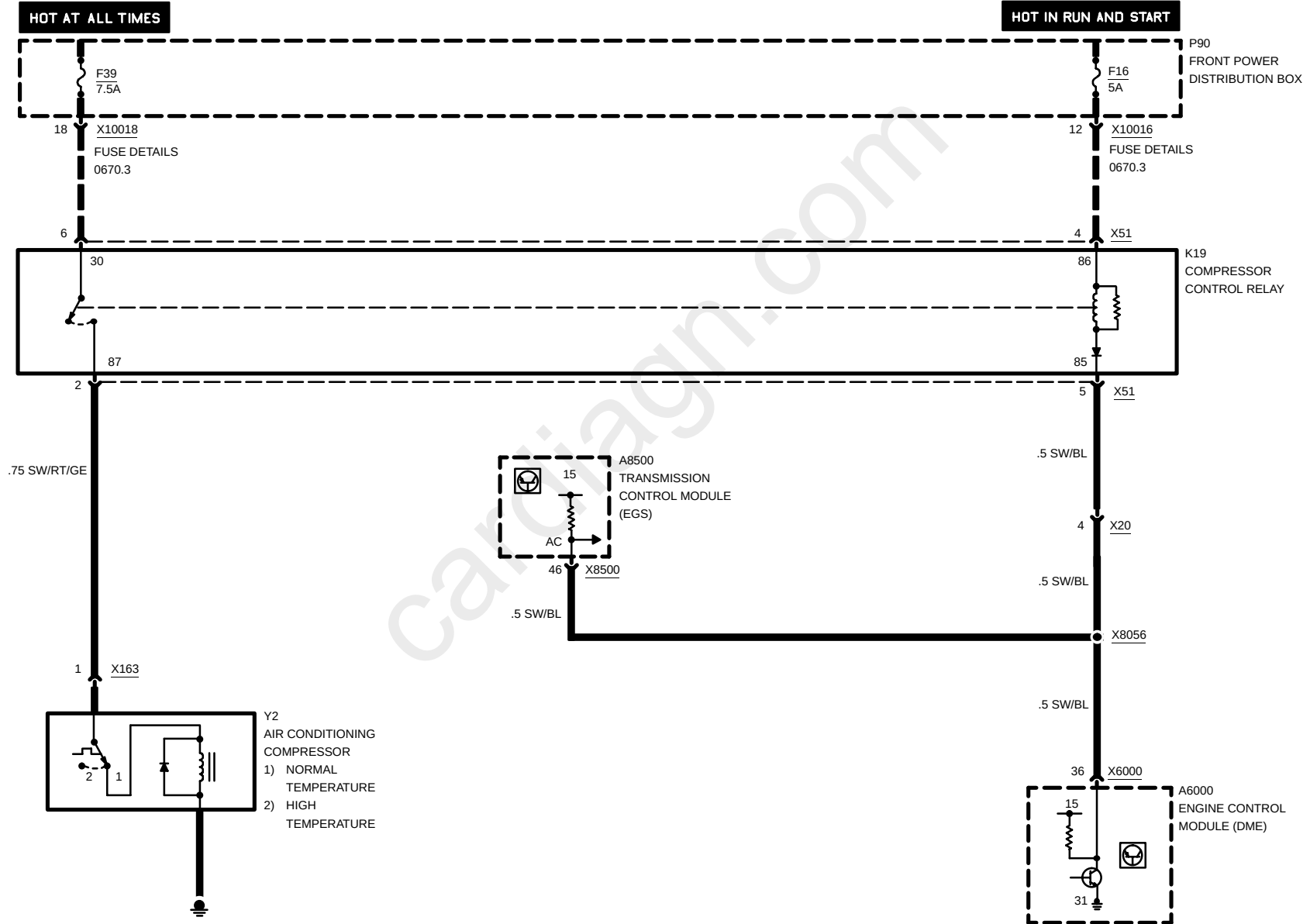


# INTEGRATED HEATING- AND CLIMATE CONTROL COMPRESSOR CONTROLS

03/00

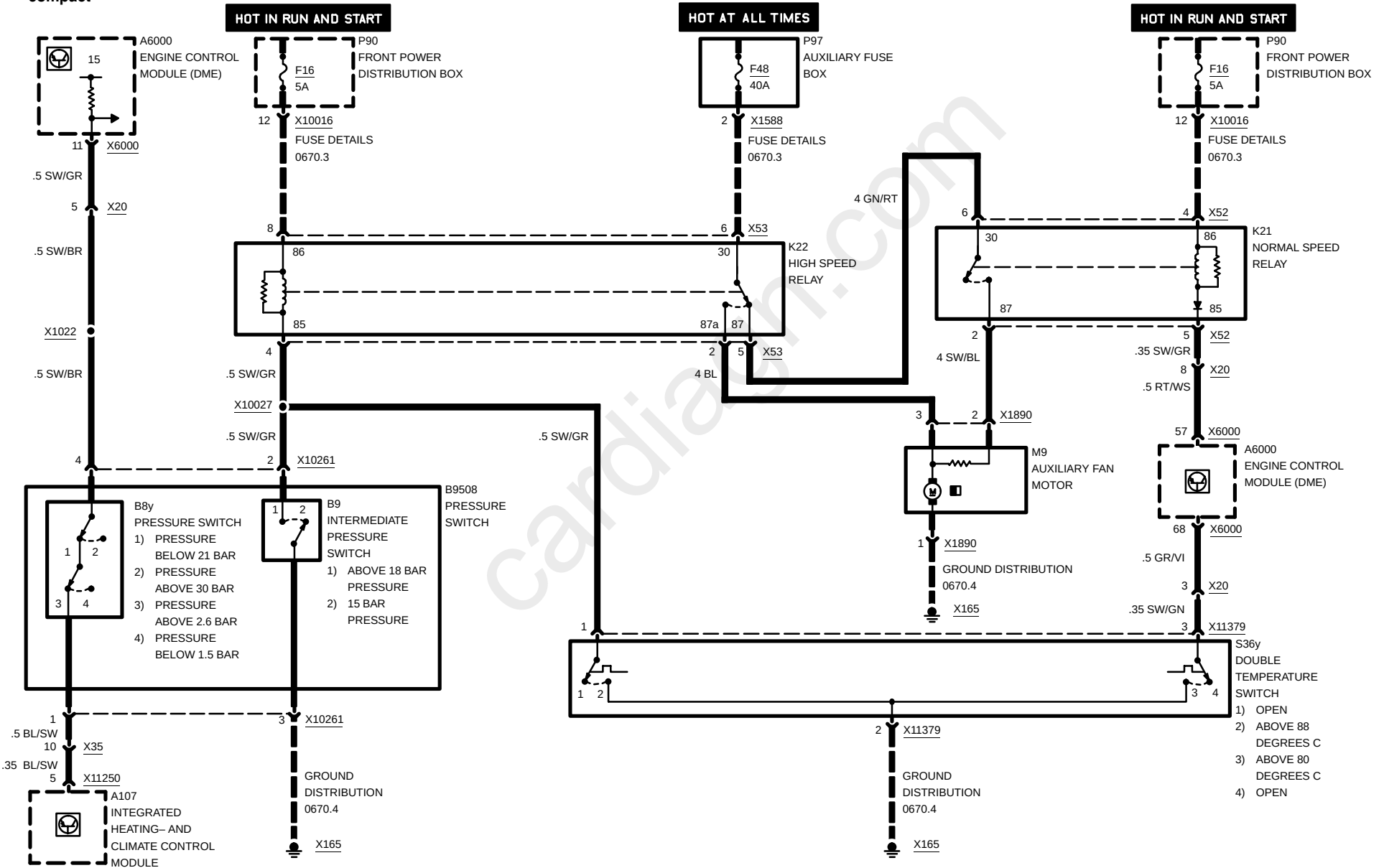
6450.6-02

1999



# INTEGRATED HEATING- AND CLIMATE CONTROL

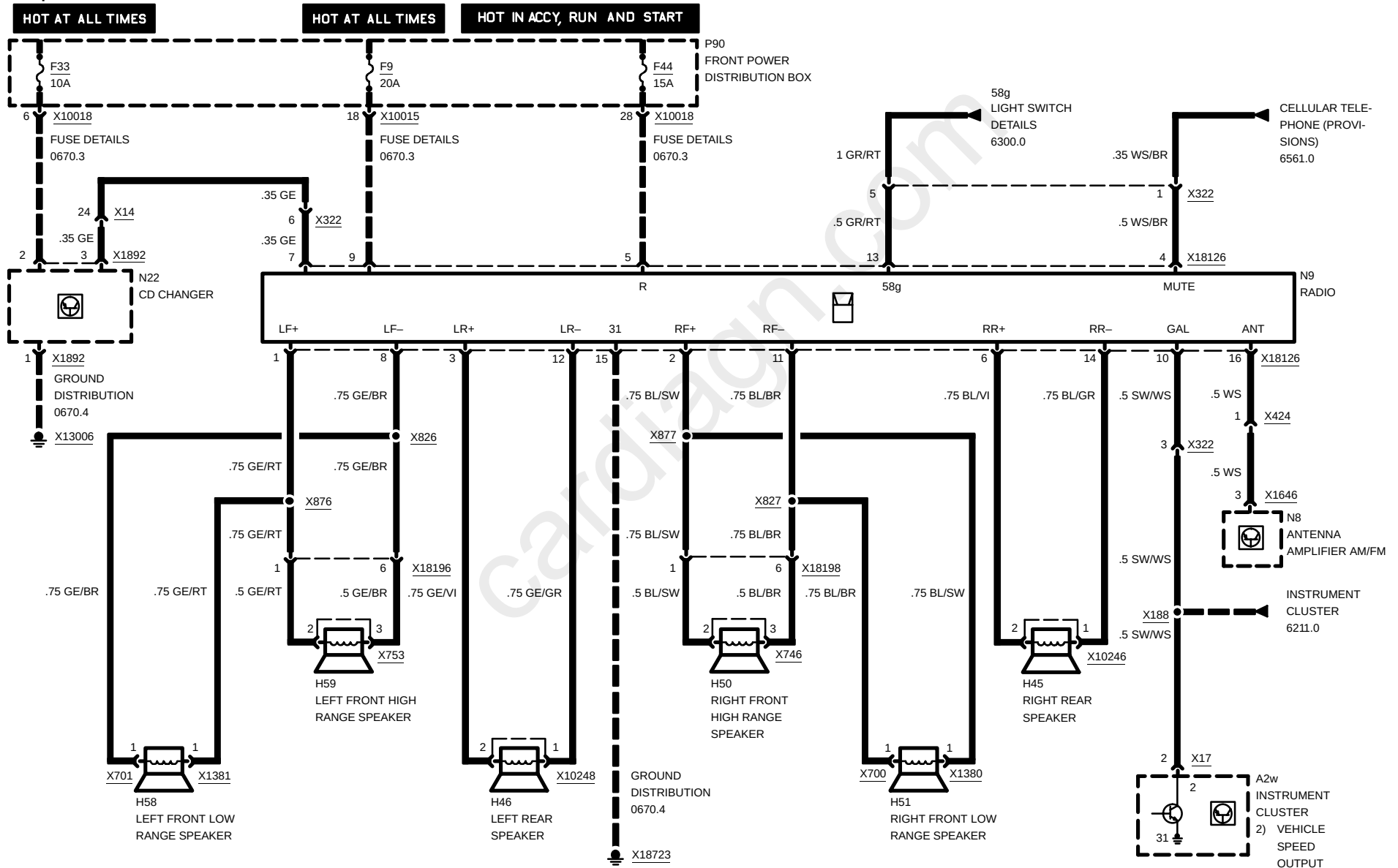
## AUXILIARY FAN





compact

## 6510.0 RADIO/STEREO



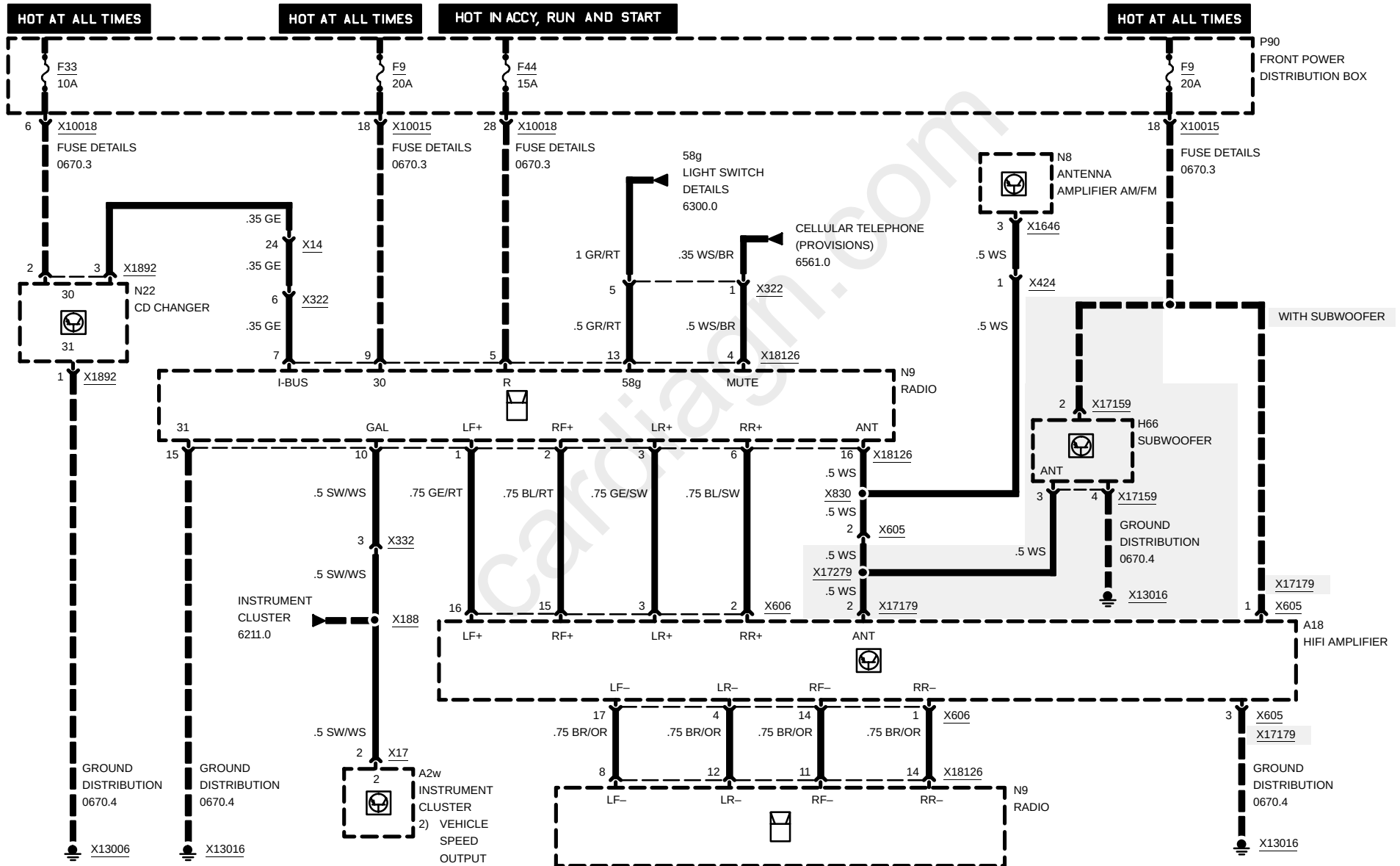
03/00

6510.0-00

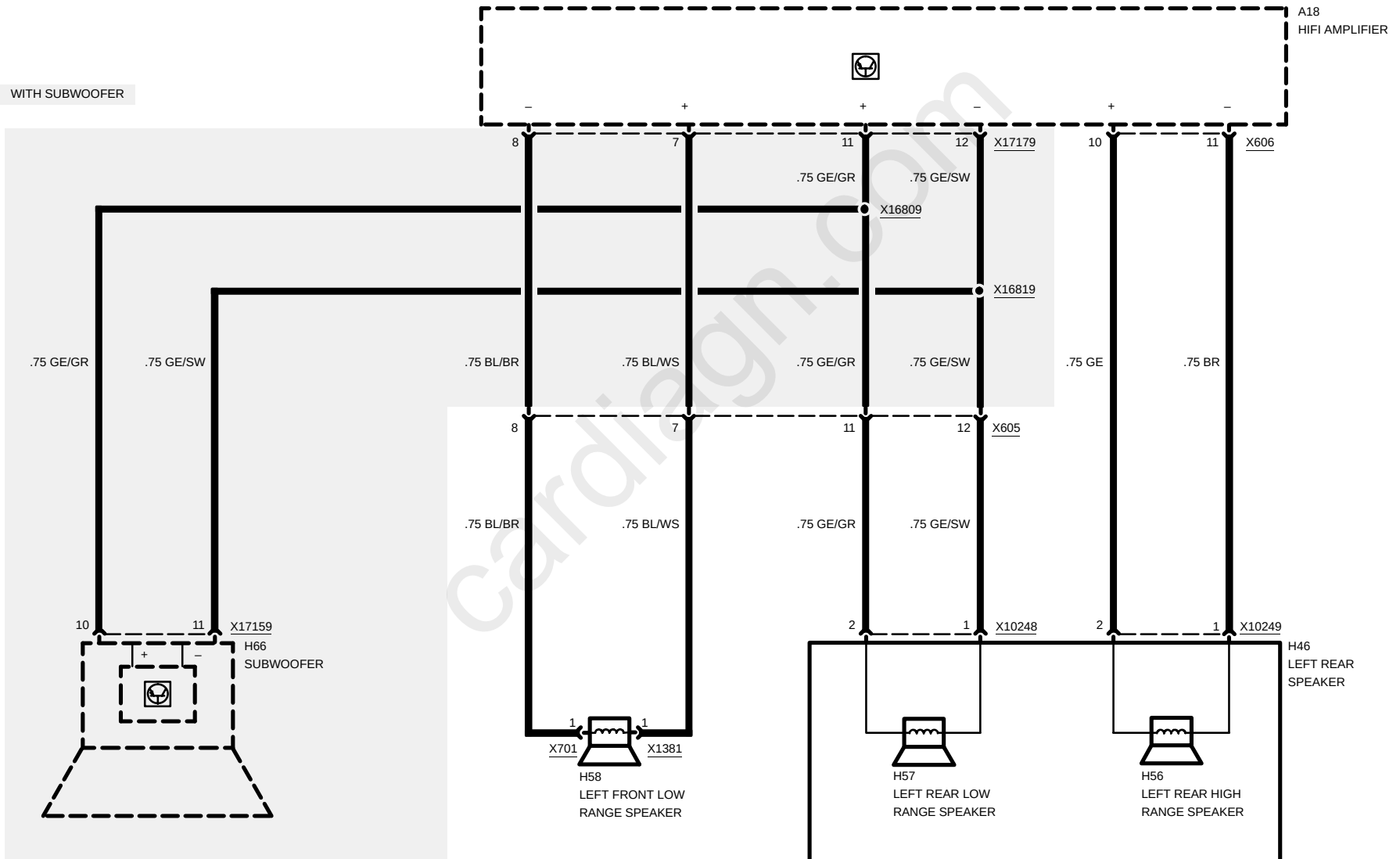
1999



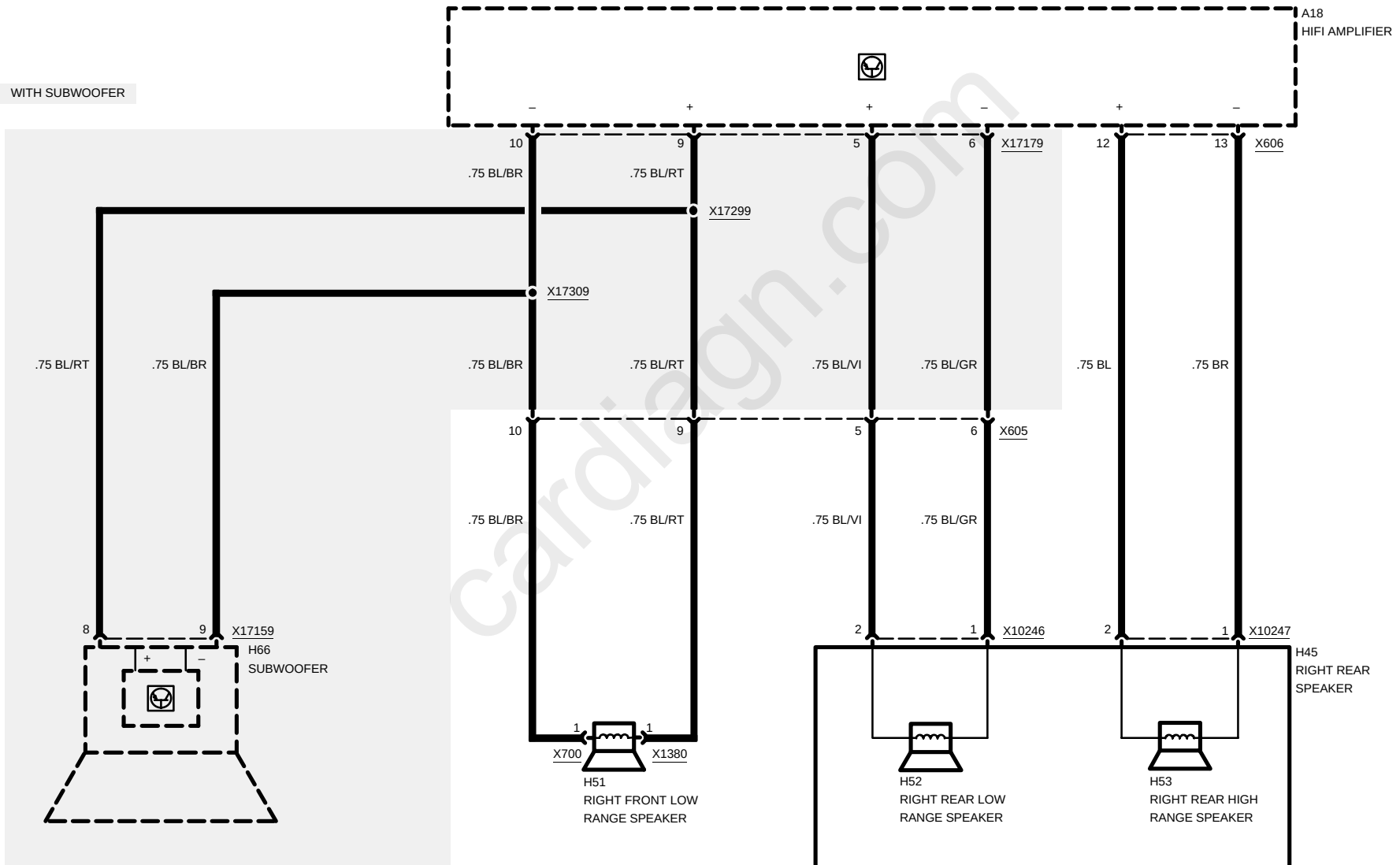
## 6510.1 RADIO/HIFI



WITH SUBWOOFER

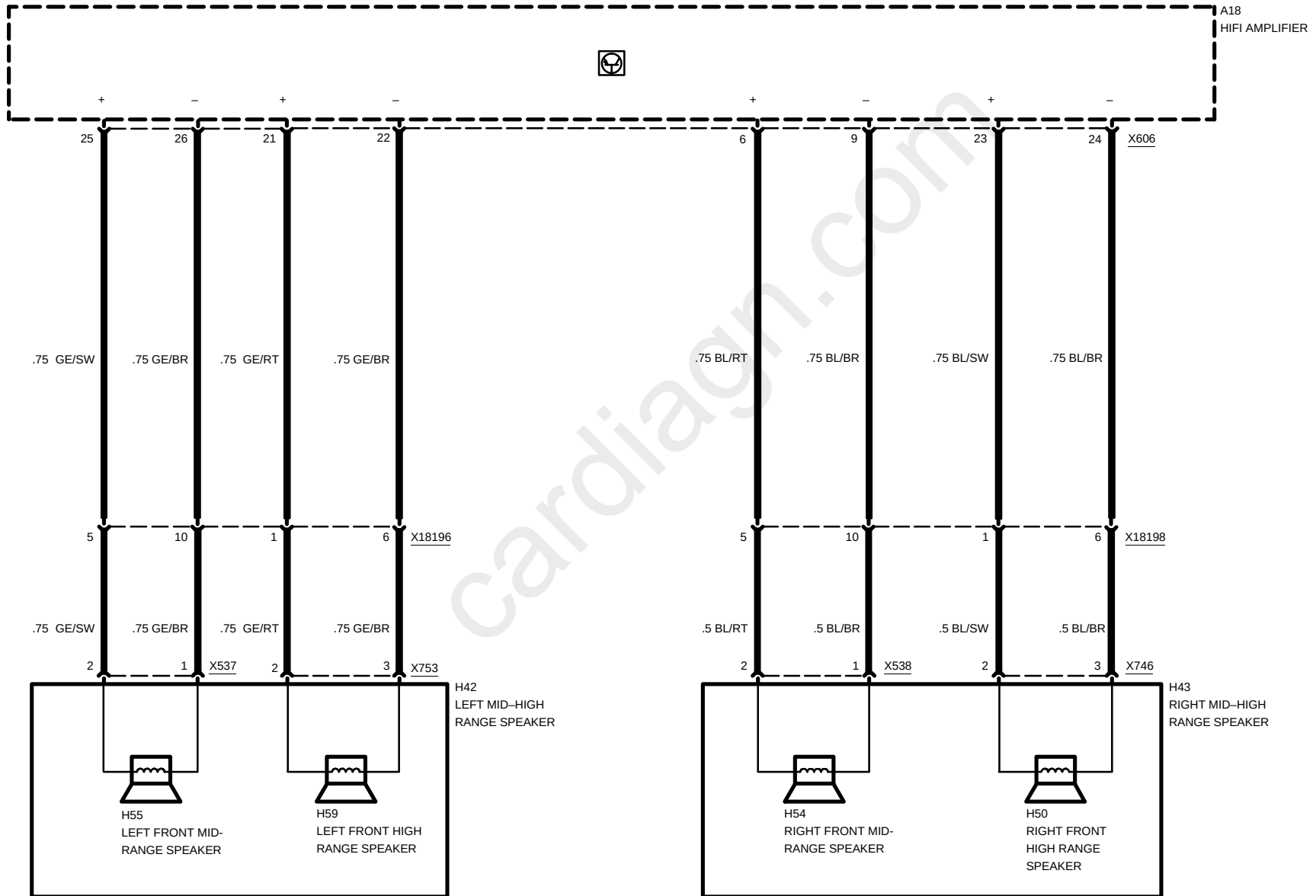


WITH SUBWOOFER



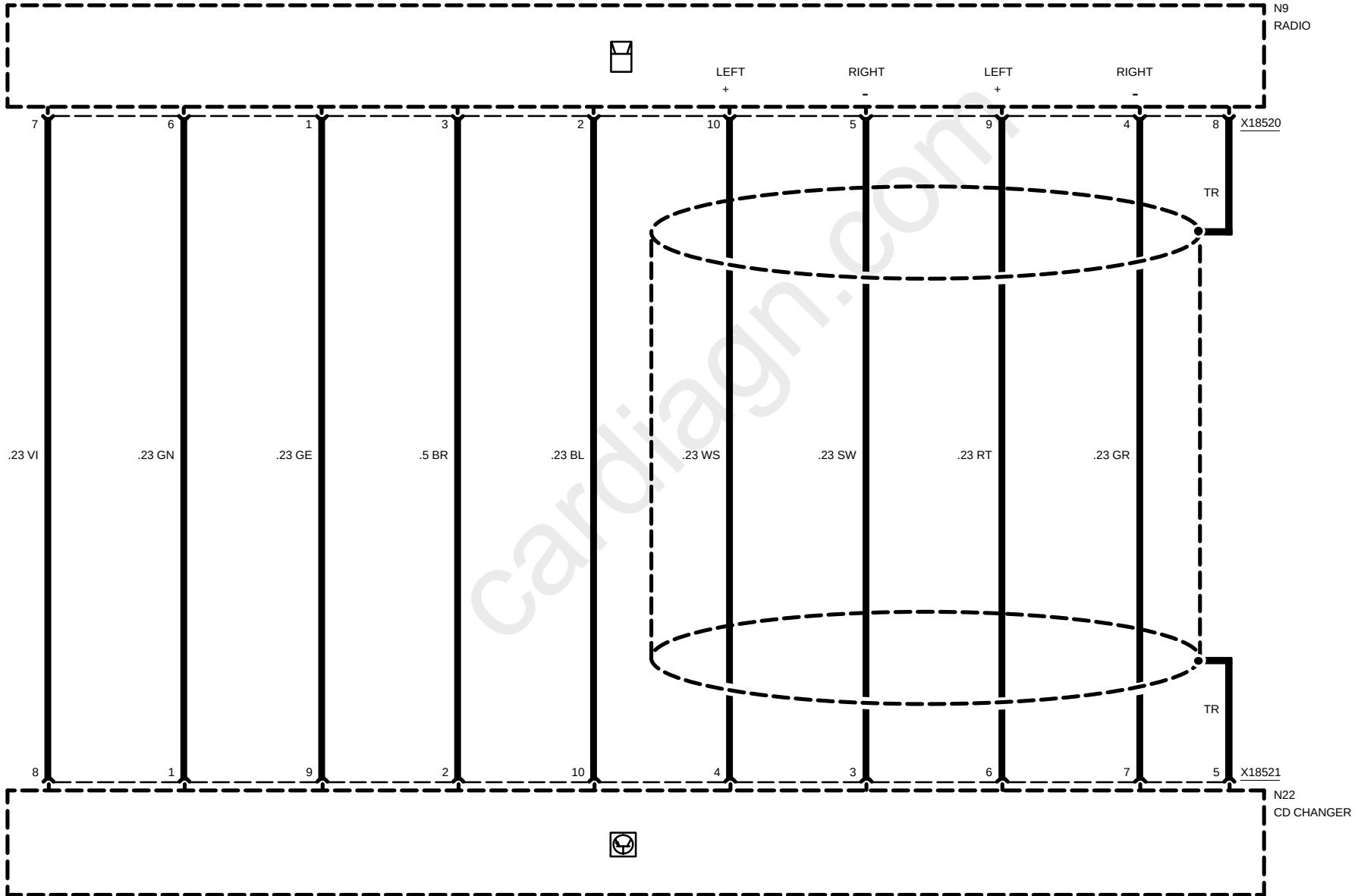


# RADIO/HIFI

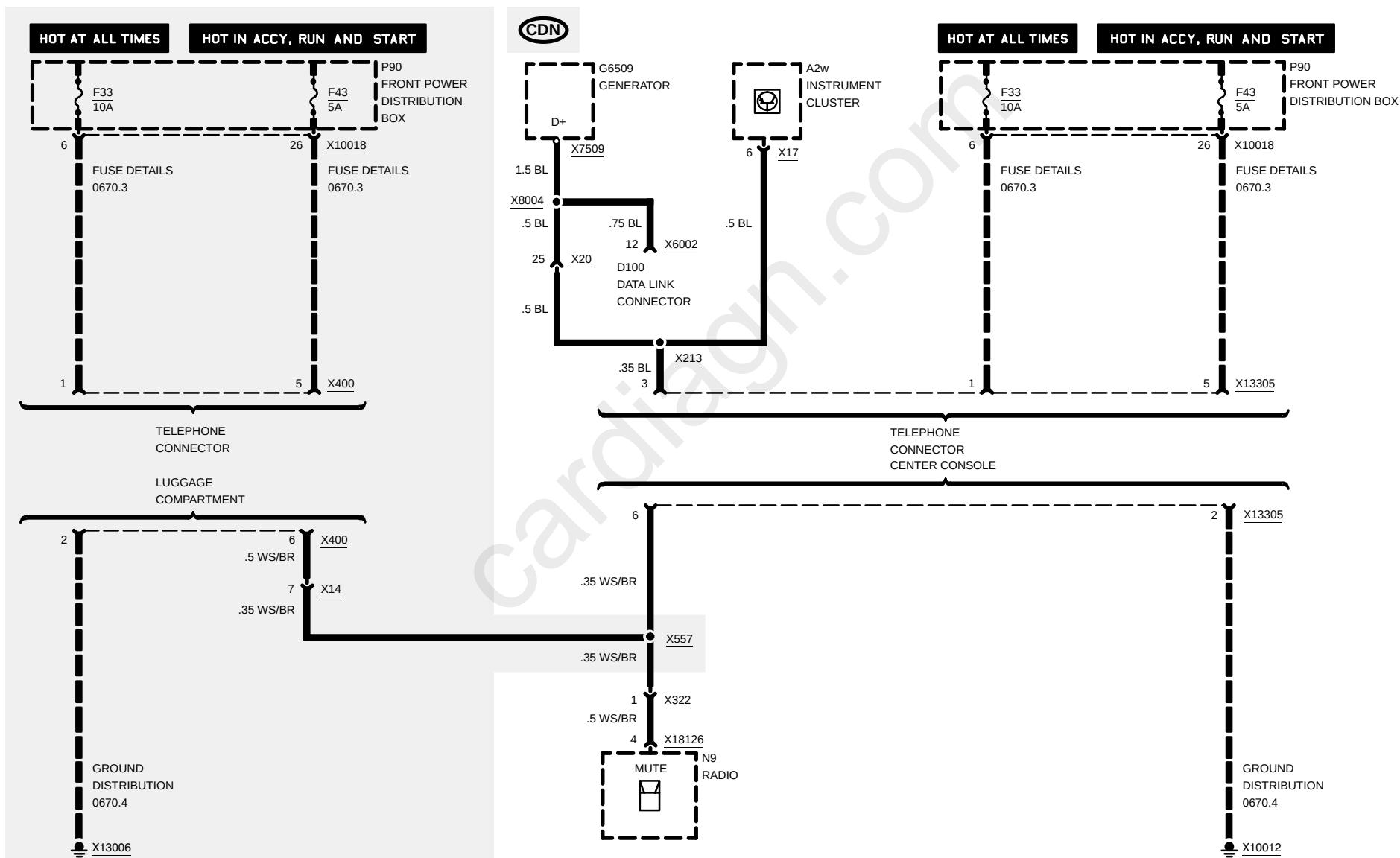




# RADIO/HIFI

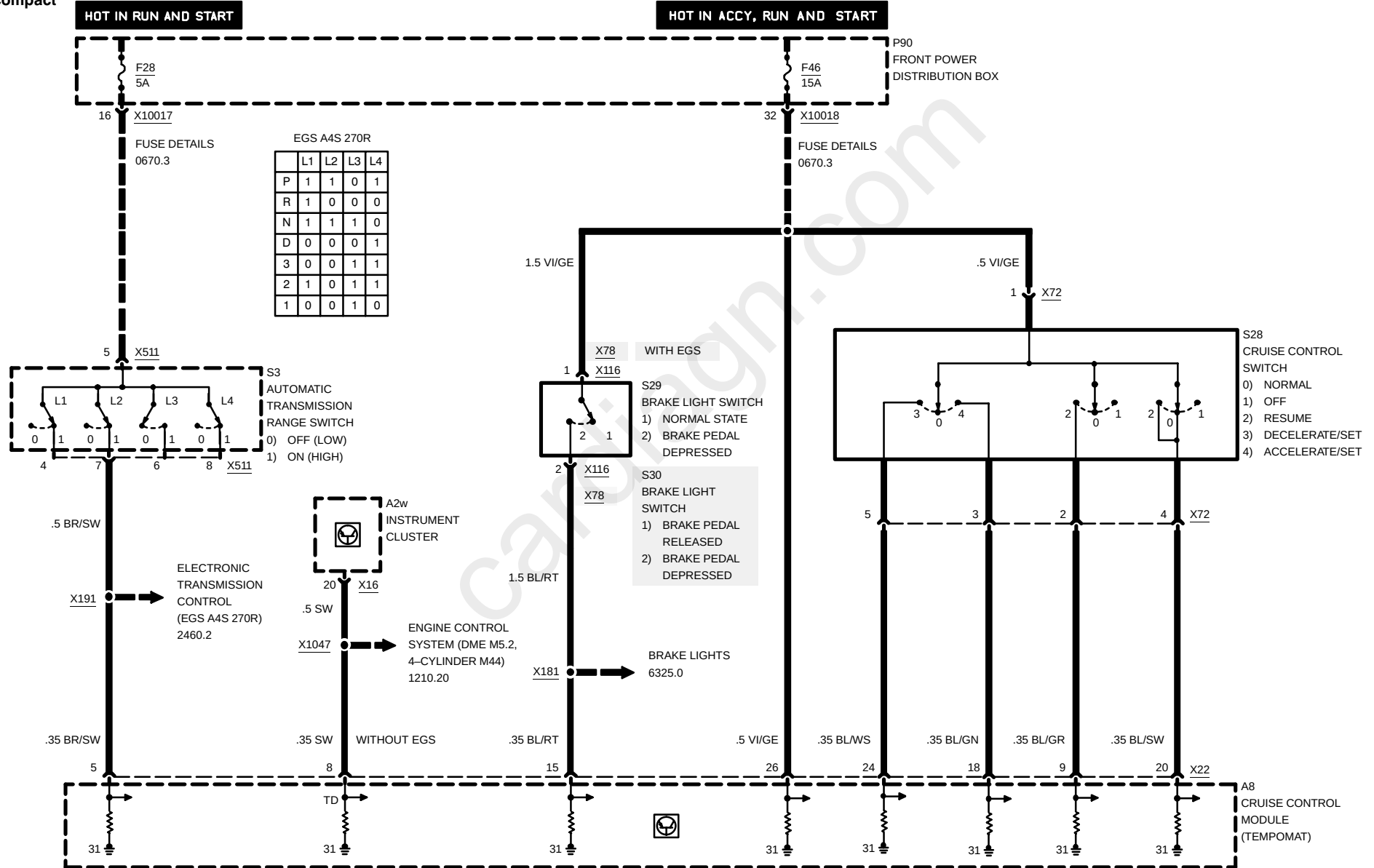


## PROVISIONS

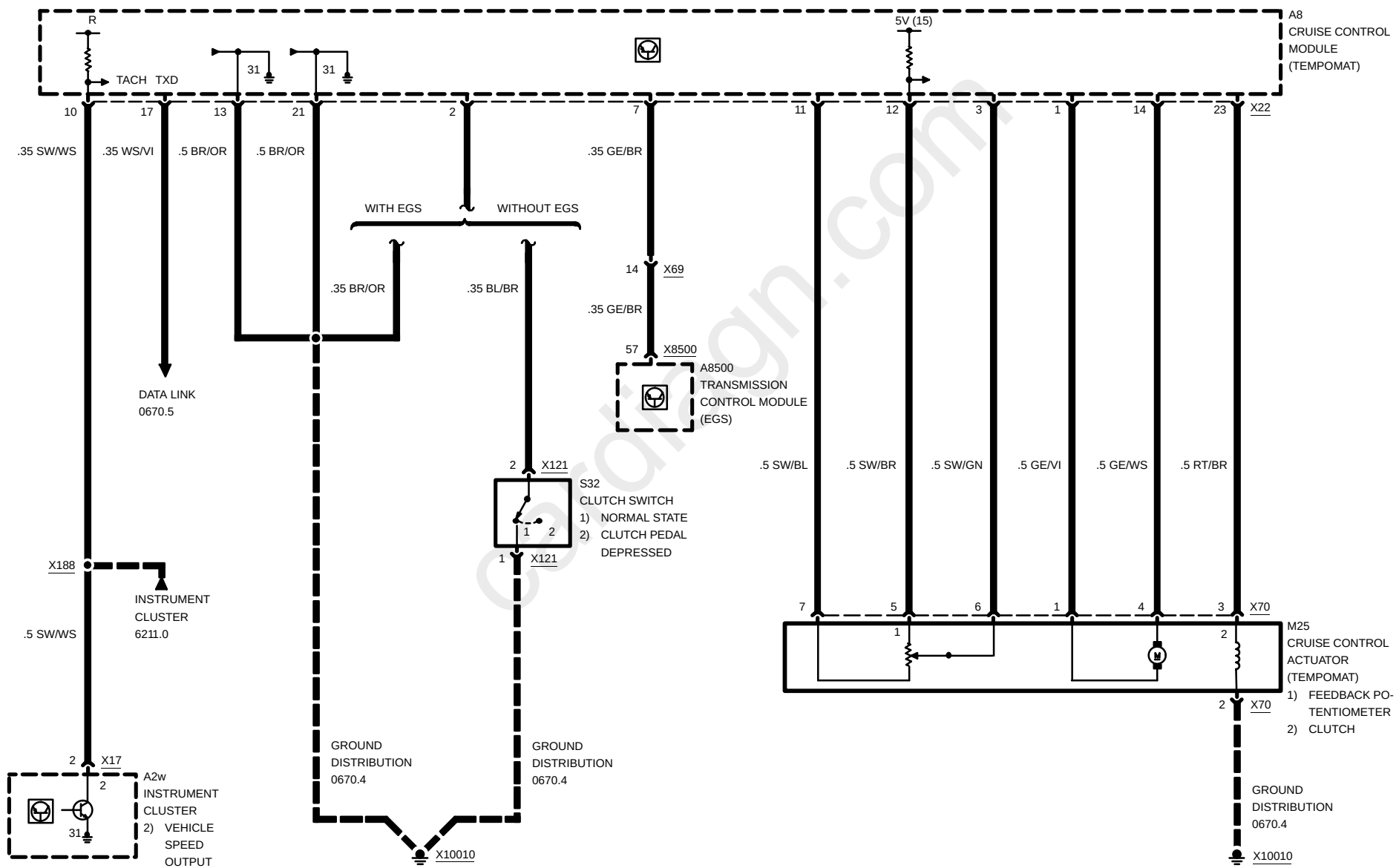




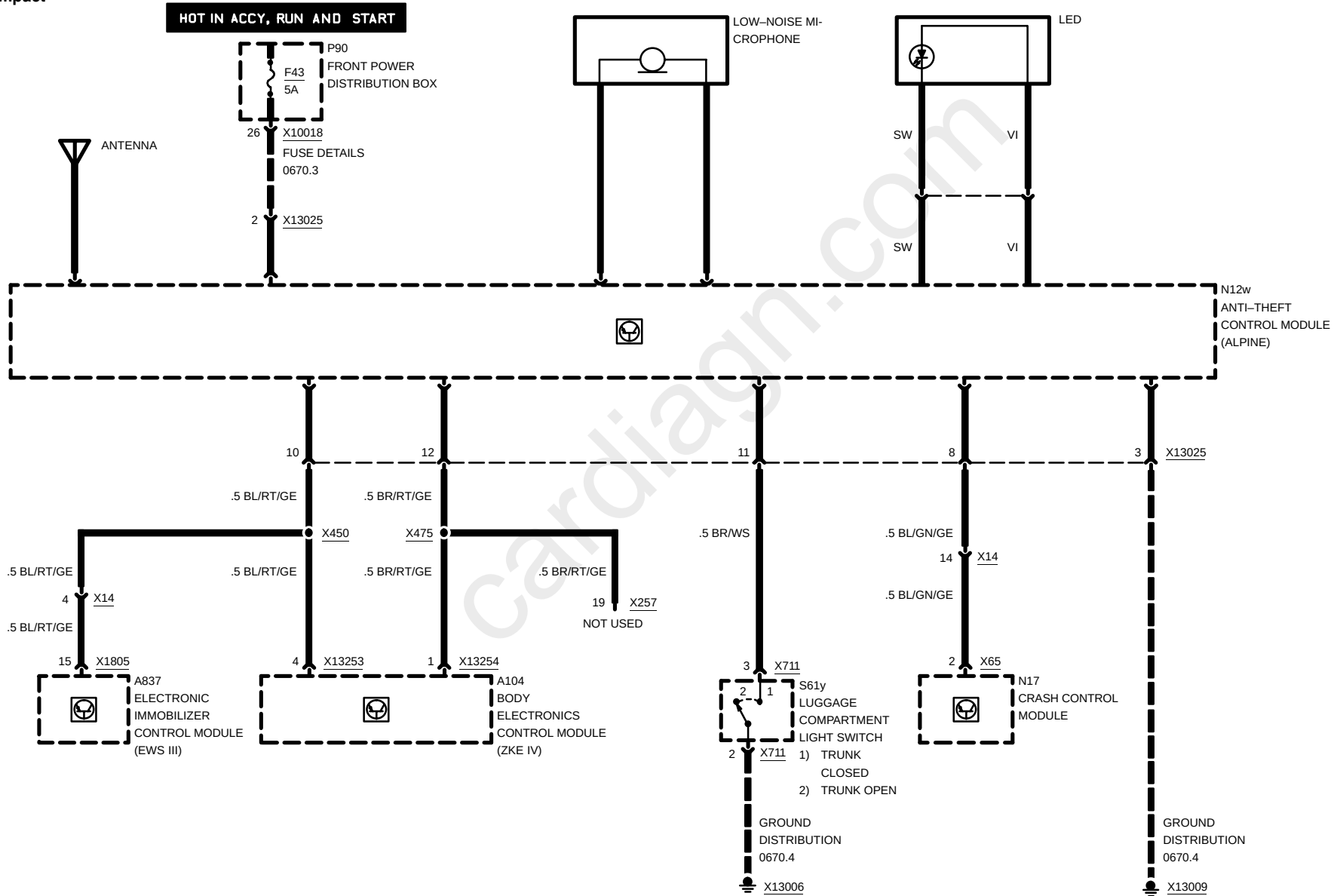
## 6571.0 CRUISE CONTROL (TEMPOMAT)



# CRUISE CONTROL (TEMPOMAT)

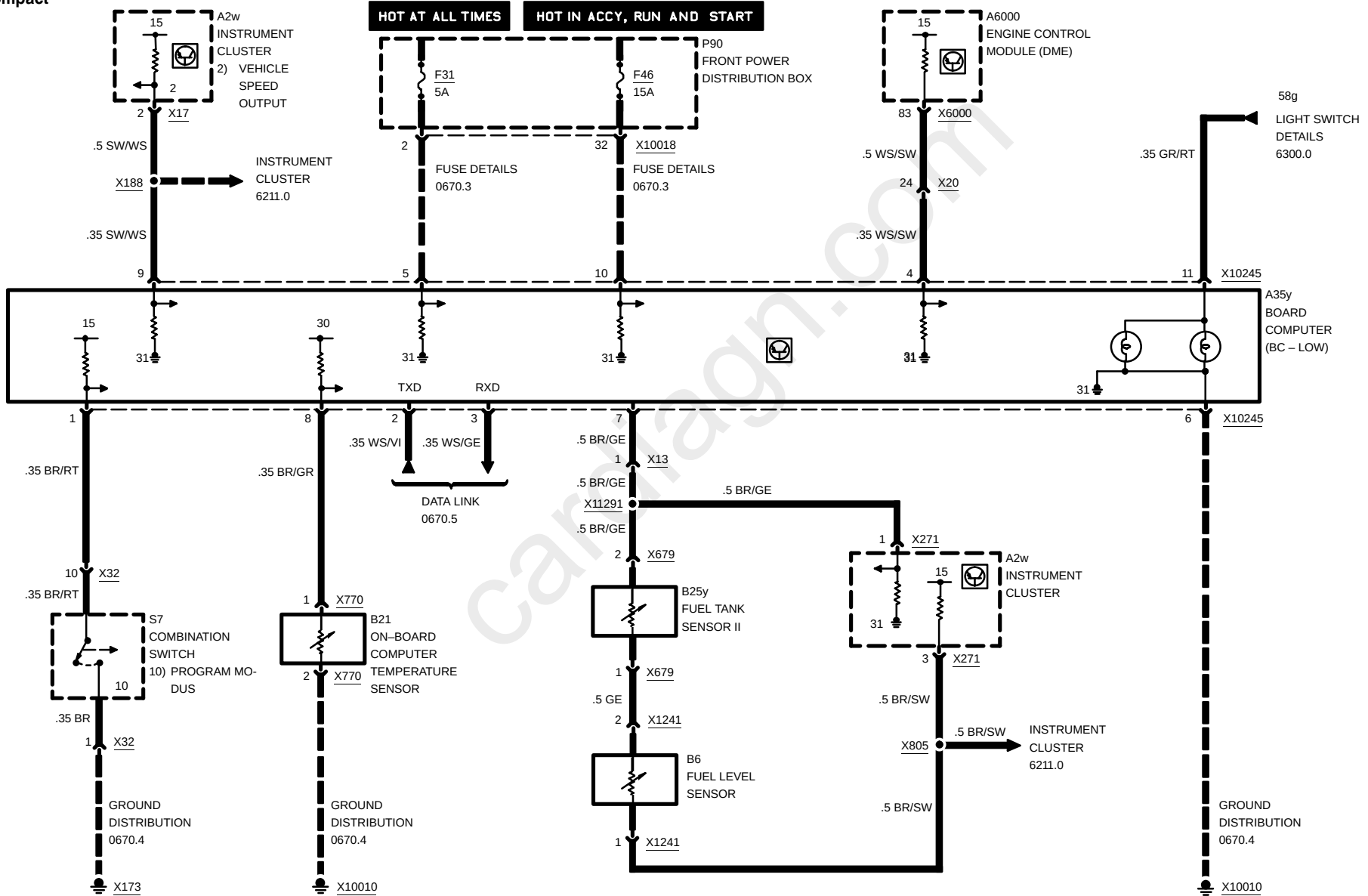


## 6575.2 ANTI-THEFT SYSTEM (ALPINE)





## 6581.3 BOARD COMPUTER (BC - LOW)





## 7000.0 COMPONENT LOCATION CHART

| COMP. | DESCRIPTION                                                 | LOCATION                                                  | 7100.0 | 8500.0 |
|-------|-------------------------------------------------------------|-----------------------------------------------------------|--------|--------|
| A2w   | .. INSTRUMENT CLUSTER .....                                 | LH side of dash .....                                     | 17-3   |        |
| A8    | .... CRUISE CONTROL MODULE<br>(TEMPOMAT) .....              | behind glove box .....                                    | 01-2   |        |
| A12   | .. SUPPLEMENTAL RESTRAINT<br>SYSTEM CONTROL MODULE .....    | below rear seat .....                                     | 01-3   |        |
| A18   | .. HIFI AMPLIFIER .....                                     | in LH side of luggage compartment behind trim panel ..... | 00-2   |        |
| A35y  | .. BOARD COMPUTER (BC – LOW) ....                           | center of dash center console                             |        |        |
| A36   | .. REAR WIPER/WASHER INTERVAL<br>CONTROL MODULE .....       | in lift gate .....                                        | 02-1   |        |
| A51   | .. WIPER/WASHER MODULE .....                                | behind glove box .....                                    | 02-3   |        |
| A52   | .. SLIP CONTROL MODULE (ABS/ASC) .                          | behind glove box .....                                    | 01-2   |        |
| A56   | .. TILT/SLIDE SUNROOF CONTROL<br>ASSEMBLY .....             | in roof panel .....                                       | 00-3   |        |
| A64   | .. WIPER/WASHER MODULE (LOW II) ..                          | behind glove box .....                                    | 02-3   |        |
| A104  | .. BODY ELECTRONICS CONTROL<br>MODULE (ZKE IV) .....        | behind glove box .....                                    | 01-1   |        |
| A107  | .. INTEGRATED HEATING– AND<br>CLIMATE CONTROL MODULE .....  | center of dash center console .....                       | 02-2   |        |
| A110  | .. DIGITAL CLOCK .....                                      | center of dash center console                             |        |        |
| A113  | .. SEAT OCCUPANCY DETECTOR .....                            | under RH front seat                                       |        |        |
| A837  | .. ELECTRONIC IMMOBILIZER<br>CONTROL MODULE (EWS III) ..... | below LH side of dash                                     |        |        |
| A6000 | .. ENGINE CONTROL MODULE (DME) ..                           | rear RH side of engine compartment .....                  | 00-1   |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                                | LOCATION                                                              | 7100.0 | 8500.0 |
|---------|--------------------------------------------|-----------------------------------------------------------------------|--------|--------|
| A8500   | TRANSMISSION CONTROL MODULE (EGS) .....    | rear RH side of engine compartment .....                              | 00-1   |        |
| B1 .... | RIGHT FRONT SPEED SENSOR – ABS .....       | on RH front wheel, above brake caliper .....                          | 06-3   |        |
| B2 .... | LEFT FRONT SPEED SENSOR – ABS              | on LH front wheel, above brake caliper .....                          | 06-3   |        |
| B3 .... | RIGHT REAR SPEED SENSOR – ABS              | on RH rear wheel, above brake caliper                                 |        |        |
| B4 .... | LEFT REAR SPEED SENSOR – ABS .             | on LH rear wheel, above brake caliper                                 |        |        |
| B6 .... | FUEL LEVEL SENSOR .....                    | below LH side of rear seat .....                                      | 13-1   |        |
| B8y ... | PRESSURE SWITCH .....                      | near RH headlight assembly                                            |        |        |
| B9 .... | INTERMEDIATE PRESSURE SWITCH               | near RH headlight assembly                                            |        |        |
| B10 ..  | VEHICLE SPEED SENSOR .....                 | on differential .....                                                 | 26-1   |        |
| B14 ..  | EVAPORATOR TEMPERATURE SENSOR .....        | RH side of LH footwell .....                                          | 17-1   |        |
| B16 ..  | LEFT FRONT BRAKE PAD SENSOR ..             | on LH front wheel, above brake caliper .....                          | 06-3   |        |
| B17 ..  | RIGHT REAR BRAKE PAD SENSOR ..             | behind RH rear wheel                                                  |        |        |
| B18 ..  | BRAKE FLUID LEVEL SWITCH .....             | rear LH side of engine compartment top of brake fluid reservoir ..... | 09-2   |        |
| B21 ..  | ON-BOARD COMPUTER TEMPERATURE SENSOR ..... | in the engine compartment lower LH side of engine compartment .....   | 14-1   |        |
| B25y .  | FUEL TANK SENSOR II .....                  | below RH side of rear seat                                            |        |        |
| B72 ..  | FUEL TANK PRESSURE SENSOR ...              | RH rear wheel well, behind trim panel .....                           | 29-1   |        |
| B78 ..  | DRIVER'S SIDE IMPACT SENSOR ...            | LH B-pillar .....                                                     | 29-3   |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                                           | LOCATION                                             | 7100.0 | 8500.0 |
|---------|-------------------------------------------------------|------------------------------------------------------|--------|--------|
| B79 ..  | PASSENGER'S SIDE IMPACT SENSOR .....                  | RH B-pillar                                          |        |        |
| B6203   | CRANKSHAFT POSITION/RPM SENSOR .....                  | under RH front of car rear of radiator .....         | 08-1   |        |
| B6205   | INTAKE AIR TEMPERATURE SENSOR                         | LH side of engine near oil level stick .....         | 09-3   |        |
| B6209   | HALL EFFECT CAMSHAFT SENSOR .                         | front of engine .....                                | 10-2   |        |
| B6217   | HOT FILM AIR MASS METER .....                         | top front of engine .....                            | 09-3   |        |
| B6231   | OIL PRESSURE SWITCH .....                             | LH front of engine below intake manifold .....       | 10-1   |        |
| B6232   | ENGINE COOLANT TEMPERATURE SENSOR .....               | behind RH fresh air cowl below intake manifold ..... | 28-1   |        |
| B6240   | KNOCK SENSOR .....                                    | top front of engine .....                            | 26-2   |        |
| B9508   | PRESSURE SWITCH .....                                 | near RH headlight assembly .....                     | 08-3   |        |
| B62001  | OXYGEN SENSOR (IN FRONT OF CATALYTIC CONVERTER) ..... | under center of car .....                            | 25-1   |        |
| B62002  | OXYGEN SENSOR (BEHIND CATALYTIC CONVERTER) .....      | under center of car .....                            | 26-3   |        |
| C101 .  | CONTACT RING .....                                    | top of steering column .....                         | 16-1   |        |
| D100 .  | DATA LINK CONNECTOR .....                             | rear LH side of engine compartment .....             | 09-2   |        |
| D110 .  | OBD II CONNECTOR .....                                | center console right .....                           | 24-3   |        |
| E7 .... | LEFT HEADLIGHT .....                                  | front LH side of engine compartment                  |        |        |
| E8 .... | RIGHT HEADLIGHT .....                                 | front RH side of engine compartment                  |        |        |
| E9 .... | REAR DEFOGGER I .....                                 | on lift gate                                         |        |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                                      | LOCATION                                                       | 7100.0 | 8500.0 |
|---------|--------------------------------------------------|----------------------------------------------------------------|--------|--------|
| E11 ... | LEFT HIGH BEAM LIGHT .....                       | near LH headlight assembly                                     |        |        |
| E12 ..  | RIGHT HIGH BEAM LIGHT .....                      | near RH headlight assembly                                     |        |        |
| E13 ..  | LEFT LOW BEAM LIGHT .....                        | near LH headlight assembly                                     |        |        |
| E14 ..  | RIGHT LOW BEAM LIGHT .....                       | near RH headlight assembly                                     |        |        |
| E15 ..  | LEFT PARK LIGHT .....                            | front of vehicle                                               |        |        |
| E19 ..  | RIGHT PARK LIGHT .....                           | front of vehicle                                               |        |        |
| E26 ..  | LEFT FOG LIGHT .....                             | under LH front bumper .....                                    | 06-2   |        |
| E27 ..  | RIGHT FOG LIGHT .....                            | under RH front bumper .....                                    | 06-2   |        |
| E28 ..  | FRONT CIGAR LIGHTER .....                        | center console                                                 |        |        |
| E29 ..  | FRONT CIGAR LIGHTER LIGHT .....                  | center console                                                 |        |        |
| E32z .. | REAR CENTER INTERIOR LIGHT .....                 | in roof panel                                                  |        |        |
| E34 ..  | FRONT DOME LIGHT/MAP READING<br>ASSEMBLY .....   | in roof panel .....                                            | 00-3   |        |
| E35 ..  | DRIVER'S MAKE-UP MIRROR LIGHT                    | in sun visor .....                                             | 24-1   |        |
| E36 ..  | PASSENGER'S MAKE-UP MIRROR<br>LIGHT .....        | in sun visor .....                                             | 15-1   |        |
| E42 ..  | GLOVE BOX LIGHT .....                            | RH side of glove box                                           |        |        |
| E43 ..  | LEFT LICENSE PLATE LIGHT .....                   | underside of luggage compartment lid, near license plate ..... | 07-1   |        |
| E44 ..  | RIGHT LICENSE PLATE LIGHT .....                  | underside of luggage compartment lid, near license plate ..... | 07-1   |        |
| E46 ..  | LEFT LUGGAGE COMPARTMENT<br>LIGHT ASSEMBLY ..... | in LH rear side of luggage compartment                         |        |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                                    | LOCATION                                 | 7100.0 | 8500.0 |
|---------|------------------------------------------------|------------------------------------------|--------|--------|
| E47 ..  | RIGHT LUGGAGE COMPARTMENT LIGHT ASSEMBLY ..... | in RH rear side of luggage compartment   |        |        |
| E51 ..  | LEFT WASHER JET HEATER .....                   | on underside of engine hood              |        |        |
| E52 ..  | RIGHT WASHER JET HEATER .....                  | on underside of engine hood              |        |        |
| E56 ..  | DRIVER'S SEATBACK HEATER .....                 | in upper LH front seatback               |        |        |
| E57 ..  | DRIVER'S SEAT HEATER .....                     | under LH front seat                      |        |        |
| E58 ..  | PASSENGER'S SEAT HEATER .....                  | underside of RH front seat               |        |        |
| E59 ..  | PASSENGER'S SEATBACK HEATER .                  | in upper RH front seatback               |        |        |
| E61 ..  | LEFT FRONT FOOTWELL LIGHT .....                | LH footwell .....                        | 24-3   |        |
| E62 ..  | RIGHT FRONT FOOTWELL LIGHT ...                 | right footwell                           |        |        |
| E82 ..  | TRANSMISSION POSITION INDICATOR LIGHT .....    | center console                           |        |        |
| E97 ..  | LIGHT SWITCH ILLUMINATION .....                | LH side of dash                          |        |        |
| E98 ..  | FOG LIGHT SWITCH ILLUMINATION .                | on instrument cluster                    |        |        |
| E103 .  | CLIMATE CONTROL SWITCH ILLUMINATION .....      | center console                           |        |        |
| F97 ... | FUSIBLE LINK .....                             | rear of engine compartment               |        |        |
| G1 ...  | BATTERY .....                                  | rear RH side of engine compartment ..... | 03-3   |        |
| G5 ...  | DRIVER'S AIR BAG GAS GENERATOR                 | behind steering wheel .....              | 16-1   |        |
| G6 ...  | PASSENGER'S AIR BAG GAS GENERATOR .....        | behind glove box above .....             | 18-3   |        |



## COMPONENT LOCATION CHART

| COMP.  | DESCRIPTION                                               | LOCATION                                  | 7100.0 | 8500.0 |
|--------|-----------------------------------------------------------|-------------------------------------------|--------|--------|
| G12 .. | DRIVER'S SIDE PYROTECHNICAL<br>BELT TENSIONER .....       | driver's seat right                       |        |        |
| G13 .. | PASSENGER'S SIDE<br>PYROTECHNICAL BELT<br>TENSIONER ..... | passenger's seat left                     |        |        |
| G14 .. | LEFT SIDE AIR BAG GAS<br>GENERATOR .....                  | in driver's door .....                    | 29-2   |        |
| G15 .. | RIGHT SIDE AIR BAG GAS<br>GENERATOR .....                 | in passenger's door                       |        |        |
| G6509  | GENERATOR .....                                           | front LH side of engine compartment ..... | 03-1   |        |
| H1w .. | ANTI-THEFT HORN (ALPINE) .....                            | in RH front bumper .....                  | 07-3   |        |
| H2 ... | LEFT HORN .....                                           | front of engine compartment .....         | 13-3   |        |
| H3 ... | RIGHT HORN .....                                          | front of engine compartment .....         | 13-3   |        |
| H4 ... | RIGHT FRONT TURN LIGHT .....                              | RH front of vehicle                       |        |        |
| H5 ... | RIGHT REAR TURN LIGHT .....                               | RH side of body rear end                  |        |        |
| H6 ... | LEFT REAR TURN LIGHT .....                                | LH side of body rear end                  |        |        |
| H7 ... | LEFT FRONT TURN LIGHT .....                               | LH front of vehicle                       |        |        |
| H8 ... | RIGHT FRONT AUXILIARY TURN<br>LIGHT .....                 | RH front of vehicle                       |        |        |
| H9 ... | LEFT FRONT AUXILIARY TURN LIGHT                           | LH front of vehicle                       |        |        |
| H10 .. | CHIME MODULE .....                                        | above LH footwell dash panel .....        | 24-3   |        |
| H24 .. | LEFT BRAKE LIGHT .....                                    | LEFT LUGGAGE COMPARTMENT LIGHT ASSEMBLY   |        |        |
| H25 .. | LEFT TAIL LIGHT .....                                     | LEFT LUGGAGE COMPARTMENT LIGHT ASSEMBLY   |        |        |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION                                | LOCATION                                 | 7100.0 | 8500.0 |
|-------|--------------------------------------------|------------------------------------------|--------|--------|
| H27   | .. LEFT BACK UP LIGHT .....                | LEFT LUGGAGE COMPARTMENT LIGHT ASSEMBLY  |        |        |
| H28   | .. RIGHT BACK UP LIGHT .....               | RIGHT LUGGAGE COMPARTMENT LIGHT ASSEMBLY |        |        |
| H30   | .. RIGHT TAIL LIGHT .....                  | RIGHT LUGGAGE COMPARTMENT LIGHT ASSEMBLY |        |        |
| H31   | .. RIGHT BRAKE LIGHT .....                 | RIGHT LUGGAGE COMPARTMENT LIGHT ASSEMBLY |        |        |
| H34   | .. HIGH LEVEL STOP LIGHT .....             | at back of rear window shelf             |        |        |
| H37   | .. LEFT TAIL LIGHT .....                   | LEFT LUGGAGE COMPARTMENT LIGHT ASSEMBLY  |        |        |
| H39   | .. RIGHT TAIL LIGHT .....                  | RIGHT LUGGAGE COMPARTMENT LIGHT ASSEMBLY |        |        |
| H42   | .. LEFT MID-HIGH RANGE SPEAKER ..          | in upper LH front door                   |        |        |
| H43   | .. RIGHT MID-HIGH RANGE SPEAKER .          | in upper RH front door                   |        |        |
| H45   | .. RIGHT REAR SPEAKER .....                | in RH side of luggage compartment        |        |        |
| H46   | .. LEFT REAR SPEAKER .....                 | in LH side of luggage compartment .....  |        | 23-2   |
| H50   | .. RIGHT FRONT HIGH RANGE<br>SPEAKER ..... | in upper RH front door                   |        |        |
| H51   | .. RIGHT FRONT LOW RANGE<br>SPEAKER .....  | in lower RH A-pillar                     |        |        |
| H52   | .. RIGHT REAR LOW RANGE SPEAKER            | under rear window shelf                  |        |        |
| H53   | .. RIGHT REAR HIGH RANGE SPEAKER           | under rear window shelf                  |        |        |
| H54   | .. RIGHT FRONT MIDRANGE SPEAKER            | in upper RH front door                   |        |        |
| H55   | .. LEFT FRONT MIDRANGE SPEAKER .           | in upper LH front door                   |        |        |
| H56   | .. LEFT REAR HIGH RANGE SPEAKER .          | under rear window shelf                  |        |        |
| H57   | .. LEFT REAR LOW RANGE SPEAKER .           | under rear window shelf                  |        |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                           | LOCATION                                                           | 7100.0 | 8500.0 |
|---------|---------------------------------------|--------------------------------------------------------------------|--------|--------|
| H58 ..  | LEFT FRONT LOW RANGE SPEAKER          | in lower LH A-pillar                                               |        |        |
| H59 ..  | LEFT FRONT HIGH RANGE SPEAKER         | in upper LH front door                                             |        |        |
| H66 ..  | SUBWOOFER .....                       | at back of rear window shelf                                       |        |        |
| H91 ..  | RIGHT LUGGAGE COMPARTMENT LIGHT ..... | right rear light assembly                                          |        |        |
| I1008 . | SEAT MAT .....                        | passenger's seat                                                   |        |        |
| K2 .... | HORN RELAY .....                      | rear LH side of engine compartment in Power Distribution Box ..... | 12-2   |        |
| K4 .... | BLOWER RELAY .....                    | rear LH side of engine compartment in Power Distribution Box ..... | 12-2   |        |
| K9 .... | UNLOADER RELAY, TERMINAL 15 ...       | below LH side of dash .....                                        | 20-1   |        |
| K13 ..  | REAR DEFOGGER RELAY .....             | rear LH side of engine compartment in Power Distribution Box ..... | 12-1   |        |
| K16 ..  | HAZARD FLASHER RELAY .....            | rear LH side of engine compartment in Power Distribution Box ..... | 12-2   |        |
| K19 ..  | COMPRESSOR CONTROL RELAY ...          | rear LH side of engine compartment in Power Distribution Box ..... | 12-1   |        |
| K21 ..  | NORMAL SPEED RELAY .....              | rear LH side of engine compartment in Power Distribution Box ..... | 12-1   |        |
| K22 ..  | HIGH SPEED RELAY .....                | rear LH side of engine compartment in Power Distribution Box ..... | 12-1   |        |
| K45 ..  | FOLDING SUNROOF COMFORT RELAY .....   | below LH side of dash .....                                        | 18-1   |        |
| K46 ..  | HIGH BEAM LIGHT RELAY .....           | below LH side of dash .....                                        | 18-1   |        |
| K46z .  | DAY LIGHT RELAY MODULE .....          | below LH side of dash .....                                        | 18-1   |        |
| K47 ..  | FRONT FOG LIGHT RELAY .....           | rear LH side of engine compartment in Power Distribution Box ..... | 12-2   |        |
| K48 ..  | LOW BEAM LIGHT RELAY .....            | rear LH side of engine compartment in Power Distribution Box ..... | 12-2   |        |
| K125 .  | ABS PUMP MOTOR RELAY, TIMED ...       | Power Distribution Box rear LH side of engine compartment .....    | 12-1   |        |



## COMPONENT LOCATION CHART

| COMP.      | DESCRIPTION                                     | LOCATION                                                                | 7100.0 | 8500.0 |
|------------|-------------------------------------------------|-------------------------------------------------------------------------|--------|--------|
| K6300      | ENGINE CONTROL MODULE RELAY .                   | rear LH side of engine compartment in Power Distribution Box . . . . .  | 12-3   |        |
| K6301w     | FUEL PUMP RELAY . . . . .                       | rear LH side of engine compartment in Power Distribution Box . . . . .  | 12-3   |        |
| K6304      | SECONDARY AIR PUMP RELAY . . . .                | rear LH side of engine compartment in Power Distribution Box . . . . .  | 12-3   |        |
| K6326      | UNLOADER RELAY, TERMINAL 15 . . .               | rear RH side of engine compartment . . . . .                            | 27-1   |        |
| L1 . . . . | EWS TOROIDAL COIL . . . . .                     | at ignition switch                                                      |        |        |
| M2 . . .   | FUEL PUMP . . . . .                             | below RH side of rear seat . . . . .                                    | 14-2   |        |
| M3 . . .   | WIPER MOTOR . . . . .                           | rear of engine compartment below center of cowl . . . . .               | 09-1   |        |
| M4 . . .   | WASHER PUMP . . . . .                           | front RH side of engine compartment on washer fluid reservoir . . . . . | 07-3   |        |
| M7 . . .   | HEADLIGHT/FOG LIGHT WASHER<br>PUMP . . . . .    | front RH side of engine compartment on washer fluid reservoir . . . . . | 14-3   |        |
| M9 . . .   | AUXILIARY FAN MOTOR . . . . .                   | behind front grille behind trim panel . . . . .                         | 11-1   |        |
| M12 . .    | DRIVER'S DOOR LOCK MOTOR . . . .                | in lower LH front door behind trim panel                                |        |        |
| M13 . .    | PASSENGER'S DOOR LOCK MOTOR                     | in lower RH side of front door behind trim panel                        |        |        |
| M16 . .    | GAS FILLER LOCK MOTOR . . . . .                 | in RH rear side of luggage compartment behind trim panel . . . . .      | 29-1   |        |
| M17 . .    | LUGGAGE COMPARTMENT LOCK<br>MOTOR . . . . .     | rear side of luggage compartment behind trim panel . . . . .            | 23-1   |        |
| M21 . .    | DRIVER'S WINDOW MOTOR . . . . .                 | LH front door behind door panel . . . . .                               | 22-1   |        |
| M23 . .    | PASSENGER'S WINDOW MOTOR . . . .                | RH front door behind door panel . . . . .                               | 21-2   |        |
| M24z .     | FOLDING SUNROOF MOTOR . . . . .                 | in roof panel                                                           |        |        |
| M25 . .    | CRUISE CONTROL ACTUATOR<br>(TEMPOMAT) . . . . . | front LH side of engine compartment . . . . .                           | 09-3   |        |
| M30 . .    | BLOWER MOTOR . . . . .                          | rear of engine compartment behind RH fresh air cowl                     |        |        |



## COMPONENT LOCATION CHART

| COMP.  | DESCRIPTION                                   | LOCATION                                  | 7100.0 | 8500.0 |
|--------|-----------------------------------------------|-------------------------------------------|--------|--------|
| M50 .. | DRIVER'S SEAT CUSHION TILT MOTOR .....        | under driver's seat                       |        |        |
| M51 .. | DRIVER'S SEAT MOVEMENT MOTOR                  | under driver's seat                       |        |        |
| M52 .. | DRIVER'S SEAT HEIGHT MOTOR ....               | under driver's seat                       |        |        |
| M53 .. | DRIVER'S SEATBACK RECLINER MOTOR .....        | under driver's seat                       |        |        |
| M58 .. | PASSENGER'S SEATBACK RECLINER MOTOR .....     | under passenger's seat                    |        |        |
| M59 .. | PASSENGER'S SEAT HEIGHT MOTOR                 | under passenger's seat                    |        |        |
| M60 .. | PASSENGER'S SEAT MOVEMENT MOTOR .....         | under passenger's seat                    |        |        |
| M61 .. | PASSENGER'S SEAT CUSHION TILT MOTOR .....     | under passenger's seat                    |        |        |
| M93 .. | AUXILIARY THROTTLE POSITION MOTOR (ADS) ..... | LH side of engine compartment .....       | 27-3   |        |
| M111 . | FRESH AIR RECIRCULATION MOTOR                 | behind center of dashboard                |        |        |
| M6510  | STARTER .....                                 | rear LH side of engine compartment        |        |        |
| N8 ... | ANTENNA AMPLIFIER AM/FM .....                 | on lift gate .....                        | 22-3   |        |
| N9 ... | RADIO .....                                   | center console                            |        |        |
| N12w . | ANTI-THEFT CONTROL MODULE (ALPINE) .....      | RH side of dash behind glove box          |        |        |
| N17 .. | CRASH CONTROL MODULE .....                    | behind instrument cluster .....           | 18-1   |        |
| N22 .. | CD CHANGER .....                              | in LH forward side of luggage compartment |        |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                                  | LOCATION                                                                 | 7100.0 | 8500.0 |
|---------|----------------------------------------------|--------------------------------------------------------------------------|--------|--------|
| P90 ..  | FRONT POWER DISTRIBUTION BOX                 | rear LH side of engine compartment .....                                 | 03-2   |        |
| P95 ..  | AUXILIARY FUSE BOX .....                     | below LH side of dash .....                                              | 20-1   |        |
| P97 ..  | AUXILIARY FUSE BOX .....                     | below LH side of dash .....                                              | 18-1   |        |
| R11 ..  | BLOWER RESISTORS .....                       | behind center of dashboard .....                                         | 18-2   |        |
| R6252   | THROTTLE POSITION SENSOR .....               | LH side of engine compartment .....                                      | 10-2   |        |
| R6255z  | THROTTLE POSITION SENSOR (ASC)               | LH side of engine compartment .....                                      | 27-2   |        |
| S2 .... | IGNITION SWITCH .....                        | LH side of dash .....                                                    | 16-3   |        |
| S3 .... | AUTOMATIC TRANSMISSION RANGE<br>SWITCH ..... | center console .....                                                     | 19-1   |        |
| S4 .... | HORN SWITCH .....                            | on steering wheel .....                                                  | 16-1   |        |
| S5 .... | WIPER/WASHER SWITCH .....                    | LH side of dash RH side of steering column above                         |        |        |
| S6 .... | ASC SWITCH .....                             | center console                                                           |        |        |
| S7 .... | COMBINATION SWITCH .....                     | LH side of dash LH side of steering column above .....                   | 16-3   |        |
| S8 .... | LIGHT SWITCH .....                           | LH side of dash                                                          |        |        |
| S13 ..  | PASSENGER'S DOOR JAMB SWITCH                 | RH front door jamb .....                                                 | 21-1   |        |
| S14 ..  | DRIVER'S DOOR JAMB SWITCH .....              | front LH door pillar .....                                               | 21-1   |        |
| S17 ..  | MIRROR CONTROL SWITCH .....                  | in upper LH front door                                                   |        |        |
| S18 ..  | HAZARD SWITCH .....                          | below front of console .....                                             | 19-1   |        |
| S21w .  | ENGINE HOOD SWITCH .....                     | front RH side of engine compartment .....                                | 14-3   |        |
| S28 ..  | CRUISE CONTROL SWITCH .....                  | LH side of dash RH side of steering column above .....                   | 16-3   |        |
| S29 ..  | BRAKE LIGHT SWITCH .....                     | LH footwell on brake pedal support bracket behind LH footwell trim ..... | 15-3   |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                                 | LOCATION                                                                  | 7100.0 | 8500.0 |
|---------|---------------------------------------------|---------------------------------------------------------------------------|--------|--------|
| S30 ..  | BRAKE LIGHT SWITCH .....                    | LH footwell on clutch pedal support bracket behind LH footwell trim ..... | 15-3   |        |
| S31 ..  | PARK BRAKE SWITCH .....                     | center console on rear of park brake lever .....                          | 15-2   |        |
| S32 ..  | CLUTCH SWITCH .....                         | LH footwell underside of steering column .....                            | 15-3   |        |
| S36y .. | DOUBLE TEMPERATURE SWITCH ...               | front RH side of engine compartment near RH headlight assembly .....      | 08-3   |        |
| S37 ..  | GLOVE BOX LIGHT SWITCH .....                | in glove box                                                              |        |        |
| S38 ..  | TILT/SLIDE SUNROOF SWITCH (SHD)             | in roof panel                                                             |        |        |
| S47 ..  | DRIVER'S DOOR LOCK SWITCH .....             | LH front door in door at key lock assembly                                |        |        |
| S49 ..  | PASSENGER'S DOOR LOCK SWITCH                | RH front door in door at key lock assembly                                |        |        |
| S51 ..  | DRIVER'S SEAT, SEAT CONTROL SWITCH .....    | under driver's seat                                                       |        |        |
| S53 ..  | DRIVER'S SEAT, SEAT HEATER SWITCH .....     | center console                                                            |        |        |
| S54 ..  | PASSENGER'S SEAT, SEAT HEATER SWITCH .....  | center console .....                                                      | 19-1   |        |
| S56 ..  | PASSENGER'S SEAT, SEAT CONTROL SWITCH ..... | under passenger's seat .....                                              | 19-1   |        |
| S58 ..  | DRIVER'S SEAT BELT SWITCH .....             | in LH front seat belt buckle                                              |        |        |
| S59 ..  | PASSENGER'S SEAT BELT SWITCH .              | in RH front seat belt buckle                                              |        |        |
| S61y .. | LUGGAGE COMPARTMENT LIGHT SWITCH .....      | underside of luggage compartment lid .....                                | 22-2   |        |
| S75 ..  | BLOWER SWITCH .....                         | center of dash                                                            |        |        |
| S77 ..  | DRIVER'S MAKE-UP MIRROR SWITCH .....        | above LH sun visor in sun visor bracket .....                             | 24-1   |        |



## COMPONENT LOCATION CHART

| COMP.   | DESCRIPTION                             | LOCATION                                         | 7100.0 | 8500.0 |
|---------|-----------------------------------------|--------------------------------------------------|--------|--------|
| S78 ..  | PASSENGER'S MAKE-UP MIRROR SWITCH ..... | above RH sun visor in sun visor bracket .....    | 15-1   |        |
| S82y .  | FOG LIGHT SWITCH .....                  | on instrument cluster                            |        |        |
| S126y   | DRIVER'S POWER WINDOW SWITCH            | center console near gearshift lever .....        | 19-2   |        |
| S127y   | PASSENGER'S POWER WINDOW SWITCH .....   | center console near gearshift lever .....        | 19-2   |        |
| S198 .  | JET HEATER THERMOSWITCH .....           | front LH side of engine compartment .....        | 24-2   |        |
| S218 .  | REAR DEFOGGER SWITCH .....              | center console                                   |        |        |
| S235 .  | STARTER IMMOBILIZATION SWITCH .         | LH footwell underside of steering column .....   | 23-3   |        |
| S238 .  | FOLDING SUNROOF SWITCH .....            | in roof panel                                    |        |        |
| S302 .  | CENTRAL LOCKING SWITCH .....            | center console near gearshift lever .....        | 19-2   |        |
| S530 .  | IHKS CONTROL SWITCH .....               | center of dash                                   |        |        |
| S531 .  | TEMPERATURE WHEEL SWITCH ....           | center of dash                                   |        |        |
| S8503   | PROGRAM SWITCH .....                    | center console                                   |        |        |
| S8507   | KICK-DOWN SWITCH .....                  | LH footwell                                      |        |        |
| S8511   | REVERSING LIGHT SWITCH .....            | under front of car LH side of transmission ..... | 25-3   |        |
| T6151   | CYL. 1 IGNITION COIL .....              | RH side of engine compartment .....              | 10-3   |        |
| T6152   | CYL. 2 IGNITION COIL .....              | RH side of engine compartment .....              | 10-3   |        |
| T6153   | CYL. 3 IGNITION COIL .....              | RH side of engine compartment .....              | 10-3   |        |
| T6154   | CYL. 4 IGNITION COIL .....              | RH side of engine compartment .....              | 10-3   |        |
| X0 .... | B+ JUNCTION POINT .....                 | rear LH side of engine compartment .....         | 03-2   |        |



## COMPONENT LOCATION CHART

| COMP.      | DESCRIPTION                      | LOCATION                                                            | 7100.0 | 8500.0 |
|------------|----------------------------------|---------------------------------------------------------------------|--------|--------|
| X2 . . . . | BATTERY B+ START POINT . . . . . | rear LH side of engine compartment . . . . .                        | 03-2   |        |
| X9 . . . . | B+ JUNCTION POINT . . . . .      | rear LH side of engine compartment . . . . .                        | 03-2   |        |
| X13 . .    | (30 PINS, BLACK) . . . . .       | LH side of LH footwell . . . . .                                    | 16-2   | 00-4   |
| X14 . .    | (30 PINS, NATURAL) . . . . .     | LH side of LH footwell . . . . .                                    | 16-2   | 00-4   |
| X16 . .    | (26 PINS, NATURAL) . . . . .     | LH side of dash rear side of instrument cluster, A2w . . . . .      | 17-3   | 00-2   |
| X17 . .    | (26 PINS, BLUE) . . . . .        | LH side of dash rear side of instrument cluster, A2w . . . . .      | 17-3   | 00-2   |
| X20 . .    | (25 PINS, BLACK) . . . . .       | rear LH side of engine compartment . . . . .                        | 09-2   | 04-2   |
| X22 . .    | (26 PINS, GRAY) . . . . .        | behind glove box . . . . .                                          | 01-2   | 00-2   |
| X32 . .    | (12 PINS, NATURAL) . . . . .     | LH footwell underside of steering column . . . . .                  | 20-2   | 02-4   |
| X33 . .    | (12 PINS, BLACK) . . . . .       | LH footwell underside of steering column . . . . .                  | 20-2   | 02-4   |
| X35 . .    | (12 PINS, NATURAL) . . . . .     | below LH side of dash RH side of steering column . . . . .          | 20-2   | 02-4   |
| X44 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X45 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X51 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X52 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X53 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X56 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X58 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X63 . .    | (9 PINS, BLACK) . . . . .        | below LH side of dash . . . . .                                     |        | 03-4   |
| X64 . .    | (9 PINS, BLACK) . . . . .        | Power Distribution Box rear LH side of engine compartment . . . . . |        | 03-4   |
| X65 . .    | (9 PINS, BLACK) . . . . .        | below LH side of dash . . . . .                                     |        | 03-4   |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION                | LOCATION                                                                  | 7100.0 | 8500.0 |
|-------|----------------------------|---------------------------------------------------------------------------|--------|--------|
| X69   | .. (25 PINS, GRAY) .....   | rear LH side of engine compartment .....                                  | 09-2   | 04-2   |
| X70   | .. (7 PINS, BLACK) .....   | front LH side of engine compartment .....                                 | 09-3   | 05-2   |
| X72   | .. (6 PINS, NATURAL) ..... | LH footwell underside of steering column .....                            | 20-2   | 03-6   |
| X74   | .. (50 PINS, YELLOW) ..... | below rear seat .....                                                     | 01-3   | 04-1   |
| X78   | .. (4 PINS, BLACK) .....   | LH footwell on clutch pedal support bracket behind LH footwell trim ..... | 15-3   | 03-1   |
| X85   | .. (3 PINS, BLACK) .....   | rear LH side of engine compartment .....                                  | 11-3   | 05-3   |
| X105  | .. (2 PINS, BLACK) .....   | on underside of engine hood                                               |        |        |
| X106  | .. (2 PINS, BLACK) .....   | on underside of engine hood                                               |        |        |
| X107  | .. (2 PINS, BLACK) .....   | front RH side of engine compartment on washer fluid reservoir .....       | 07-3   |        |
| X111  | .. (2 PINS, BLACK) .....   | rear LH side of engine compartment top of brake fluid reservoir .....     | 09-2   |        |
| X113  | .. (3 PINS, GRAY) .....    | above RH front wheel well behind RH front wheel .....                     | 07-2   | 09-2   |
| X114  | .. (3 PINS, GRAY) .....    | above LH front wheel well behind LH front wheel .....                     | 07-2   | 09-2   |
| X116  | .. (2 PINS, BLACK) .....   | LH footwell on clutch pedal support bracket behind LH footwell trim ..... | 15-3   |        |
| X118  | .. (2 PINS, BLACK) .....   | above LH front wheel well behind LH front wheel .....                     | 07-2   |        |
| X121  | .. (2 PINS, WHITE) .....   | LH footwell underside of steering column .....                            | 15-3   |        |
| X123  | .. (2 PINS, GRAY) .....    | front RH side of engine compartment on washer fluid reservoir .....       | 14-3   |        |
| X128  | .. (3 PINS, BLACK) .....   | LH front of vehicle .....                                                 |        | 05-3   |
| X132  | .. (2 PINS, BLACK) .....   | front of engine compartment                                               |        |        |
| X133  | .. (2 PINS, BLACK) .....   | front of engine compartment                                               |        |        |
| X137  | .. (3 PINS, BLACK) .....   | RH front of vehicle .....                                                 |        | 05-3   |
| X142  | .. (3 PINS, GRAY) .....    | under rear of car LH side of on differential .....                        |        | 09-2   |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION                 | LOCATION                                                                 | 7100.0 | 8500.0 |
|-------|-----------------------------|--------------------------------------------------------------------------|--------|--------|
| X143  | (3 PINS, GRAY) . . . . .    | under rear of car RH side of RH footwell . . . . .                       | 06-1   | 09-2   |
| X163  | (3 PINS, BLACK) . . . . .   | front RH side of engine compartment . . . . .                            | 07-3   | 05-3   |
| X165  | GROUND . . . . .            | front LH side of engine compartment . . . . .                            | 04-1   |        |
| X168  | (1 PIN, —) . . . . .        | top of steering column                                                   |        |        |
| X173  | GROUND . . . . .            | below LH side of dash . . . . .                                          | 04-3   |        |
| X256  | (26 PINS, BLACK) . . . . .  | ahead of RH front door in lower RH A-pillar . . . . .                    | 21-2   | 03-5   |
| X257  | (26 PINS, BLACK) . . . . .  | ahead of LH front door in lower LH A-pillar . . . . .                    |        | 03-5   |
| X271  | (12 PINS, BLACK) . . . . .  | LH side of dash rear side of instrument cluster, A2w . . . . .           | 17-3   | 01-3   |
| X272  | (2 PINS, WHITE) . . . . .   | under roof center panel                                                  |        |        |
| X285  | (15 PINS, BLUE) . . . . .   | below RH side of dash behind glove box . . . . .                         | 02-3   | 00-3   |
| X292  | (9 PINS, BLACK) . . . . .   | Power Distribution Box rear LH side of engine compartment . . . . .      |        | 03-4   |
| X295  | (8 PINS, BLACK) . . . . .   | LH footwell underside of steering column . . . . .                       | 20-2   | 03-3   |
| X311  | (3 PINS, BLACK) . . . . .   | underside of luggage compartment lid left . . . . .                      | 23-1   | 01-1   |
| X312  | (2 PINS, BLACK) . . . . .   | in RH rear side of luggage compartment behind RH rear light assembly . . | 29-1   |        |
| X315  | (2 PINS, BLACK) . . . . .   | underside of luggage compartment lid left . . . . .                      | 23-1   |        |
| X316  | (4 PINS, YELLOW) . . . . .  | center console near gearshift lever . . . . .                            | 19-2   | 07-1   |
| X318  | (8 PINS, BLACK) . . . . .   | in RH rear side of luggage compartment behind RH rear light assembly . . |        | 01-4   |
| X319  | (8 PINS, BLACK) . . . . .   | in LH side of luggage compartment behind trim panel . . . . .            | 22-3   | 01-4   |
| X322  | (6 PINS, BLACK) . . . . .   | below LH side of dash . . . . .                                          | 20-1   | 03-6   |
| X324  | (4 PINS, YELLOW) . . . . .  | center console near gearshift lever . . . . .                            | 19-2   | 07-1   |
| X333  | (4 PINS, NATURAL) . . . . . | rear of engine compartment below center of cowl . . . . .                | 09-1   | 06-3   |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION       | LOCATION                                            | 7100.0 | 8500.0 |
|-------|-------------------|-----------------------------------------------------|--------|--------|
| X336  | (6 PINS, NATURAL) | under roof center panel                             | 00-3   | 03-6   |
| X351  | (2 PINS, BLACK)   | in upper RH B-pillar                                |        |        |
| X352  | (2 PINS, BLACK)   | in upper LH B-pillar                                | 28-3   |        |
| X371  | (2 PINS, BLACK)   | front RH side of engine compartment                 | 14-3   |        |
| X372  | (2 PINS, GRAY)    | in RH front bumper                                  |        |        |
| X379  | (1 PIN, NATURAL)  | on lift gate                                        |        |        |
| X380  | (1 PIN, NATURAL)  | on lift gate                                        |        |        |
| X381  | (3 PINS, BLACK)   | under roof center panel                             | 24-1   | 01-1   |
| X382  | (3 PINS, BLACK)   | above RH sun visor                                  | 15-1   | 01-1   |
| X383  | (2 PINS, BLACK)   | under rear of car LH side of on differential        | 26-1   |        |
| X389  | (2 PINS, BLACK)   | rear LH side of engine compartment                  |        |        |
| X390  | (2 PINS, BLACK)   | RH side of dash behind glove box                    |        |        |
| X400  | (8 PINS, BLACK)   | in LH rear side of luggage compartment              |        | 01-4   |
| X401  | (1 PIN, BLACK)    | above LH sun visor                                  | 24-1   |        |
| X402  | (1 PIN, BLACK)    | above RH sun visor                                  | 15-1   |        |
| X413  | (3 PINS, BLACK)   | at back of rear window shelf                        |        | 01-1   |
| X423  | (1 PIN, —)        | below center console on rear of park brake lever    | 15-2   |        |
| X424  | (1 PIN, WHITE)    | in LH side of luggage compartment behind trim panel | 22-3   |        |
| X494  | GROUND            | under driver's seat left                            | 29-3   |        |
| X495  | GROUND            | RH side of glove box                                | 04-2   |        |
| X498  | GROUND            | under driver's seat left                            | 29-3   |        |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION       | LOCATION                                            | 7100.0 | 8500.0 |
|-------|-------------------|-----------------------------------------------------|--------|--------|
| X511  | (8 PINS, BLACK)   | center console near gearshift lever                 | 19-1   | 01-4   |
| X516  | (5 PINS, BLACK)   | center console                                      | 19-1   | 02-6   |
| X521  | (6 PINS, BLUE)    | center console                                      |        | 04-3   |
| X522  | (3 PINS, NATURAL) | above LH footwell dash panel                        | 24-3   | 04-4   |
| X531  | (1 PIN, NATURAL)  | center console near gearshift lever                 |        |        |
| X532  | (2 PINS, BLACK)   | center console near gearshift lever                 |        |        |
| X537  | (3 PINS, BLACK)   | LH front door behind door panel                     | 22-1   | 01-1   |
| X538  | (3 PINS, BLACK)   | RH front door behind door panel                     | 21-2   | 01-1   |
| X540  | (2 PINS, BLACK)   | LH side of glove box                                | 18-3   |        |
| X541  | (3 PINS, BLACK)   | LH side of glove box                                | 18-3   | 01-1   |
| X603  | (12 PINS, BLACK)  | under driver's seat                                 |        | 02-4   |
| X604  | (12 PINS, BLACK)  | under passenger's seat                              |        | 02-4   |
| X605  | (12 PINS, BLACK)  | in LH side of luggage compartment behind trim panel | 00-2   | 08-3   |
| X606  | (26 PINS, BLACK)  | in LH side of luggage compartment behind trim panel | 00-2   | 00-2   |
| X623  | (4 PINS, BLACK)   | in upper LH front door behind door panel            |        | 07-1   |
| X624  | (4 PINS, BLACK)   | in upper RH front door behind door panel            | 21-2   | 07-1   |
| X625  | (6 PINS, BLACK)   | LH front door behind door panel                     | 22-1   | 02-1   |
| X627  | (2 PINS, BLACK)   | in roof panel                                       |        |        |
| X638  | (2 PINS, GRAY)    | below RH side of rear seat                          | 14-2   |        |
| X641  | (6 PINS, BLACK)   | RH front door behind door panel                     |        | 06-5   |
| X643  | (4 PINS, YELLOW)  | in roof panel                                       |        | 07-1   |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION      | LOCATION                                                 | 7100.0 | 8500.0 |
|-------|------------------|----------------------------------------------------------|--------|--------|
| X651  | (6 PINS, YELLOW) | center console                                           |        | 04-3   |
| X658  | (6 PINS, YELLOW) | center console                                           |        | 04-3   |
| X660  | (6 PINS, BLACK)  | LH front door behind door panel                          | 21-3   | 06-5   |
| X679  | (2 PINS, YELLOW) | below RH side of rear seat                               | 14-2   |        |
| X700  | (1 PIN, —)       | behind RH footwell speaker grille                        |        |        |
| X701  | (1 PIN, —)       | behind LH footwell kickpanel                             |        |        |
| X709  | (2 PINS, BLACK)  | underside of luggage compartment lid, near license plate | 07-1   |        |
| X710  | (2 PINS, BLACK)  | underside of luggage compartment lid, near license plate | 07-1   |        |
| X711  | (3 PINS, BLACK)  | underside of luggage compartment lid                     | 22-2   | 01-1   |
| X713  | (2 PINS, BLACK)  | under rear of car LH side of on differential             | 06-1   |        |
| X726  | (2 PINS, —)      | under driver's seat                                      |        |        |
| X727  | (2 PINS, —)      | under driver's seat                                      |        |        |
| X728  | (2 PINS, —)      | under driver's seat                                      |        |        |
| X729  | (2 PINS, —)      | under driver's seat                                      |        |        |
| X732  | (4 PINS, BLACK)  | under LH front seat under carpet                         |        | 03-1   |
| X733  | (4 PINS, BLACK)  | under LH front seat under carpet                         |        | 03-1   |
| X734  | (2 PINS, —)      | under passenger's seat                                   |        |        |
| X735  | (2 PINS, —)      | under passenger's seat                                   |        |        |
| X736  | (2 PINS, —)      | under passenger's seat                                   |        |        |
| X737  | (2 PINS, —)      | under passenger's seat                                   |        |        |
| X740  | (4 PINS, BLACK)  | under RH front seat                                      | 20-3   | 03-1   |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION       | LOCATION                                             | 7100.0 | 8500.0 |
|-------|-------------------|------------------------------------------------------|--------|--------|
| X741  | (4 PINS, BLACK)   | under RH front seat                                  | 20-3   | 03-1   |
| X742  | (2 PINS, YELLOW)  | RH front door in door at key lock assembly           |        |        |
| X744  | (4 PINS, GRAY)    | RH front door behind door panel                      | 21-2   | 08-1   |
| X745  | (3 PINS, BLACK)   | right footwell                                       |        | 01-1   |
| X746  | (3 PINS, NATURAL) | RH front door behind door panel                      |        | 01-1   |
| X747  | (2 PINS, YELLOW)  | LH front door behind door panel                      | 21-3   |        |
| X748  | (3 PINS, BLACK)   | LH footwell                                          | 24-3   | 01-1   |
| X749  | (4 PINS, GRAY)    | LH front door behind door panel                      | 22-1   | 08-1   |
| X753  | (3 PINS, NATURAL) | LH front door                                        |        | 01-1   |
| X768  | (2 PINS, WHITE)   | in the engine compartment near LH headlight assembly | 06-2   |        |
| X769  | (2 PINS, WHITE)   | in the engine compartment near RH headlight assembly | 06-2   |        |
| X770  | (2 PINS, YELLOW)  | in the engine compartment near LH headlight assembly | 14-1   |        |
| X771  | (2 PINS, BLACK)   | RH side of LH footwell                               | 17-1   |        |
| X778  | (4 PINS, BLACK)   | in LH front seat belt buckle                         |        | 07-1   |
| X782  | (3 PINS, ORANGE)  | LH side of glove box                                 | 18-3   | 09-1   |
| X783  | (3 PINS, BLACK)   | underside of steering column                         |        | 09-1   |
| X816  | (1 PIN, —)        | rear of engine compartment behind RH fresh air cowl  |        |        |
| X817  | (1 PIN, —)        | rear of engine compartment behind RH fresh air cowl  |        |        |
| X861  | GROUND            | LH side of engine compartment                        | 05-3   |        |
| X904  | (4 PINS, BLACK)   | behind center of dashboard                           | 18-2   | 03-1   |
| X905  | (7 PINS, BLACK)   | behind center of dashboard                           |        | 08-2   |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION                 | LOCATION                                                                 | 7100.0 | 8500.0 |
|-------|-----------------------------|--------------------------------------------------------------------------|--------|--------|
| X1014 | (1 PIN, BLACK) . . . . .    | center console near gearshift lever                                      |        |        |
| X1148 | (2 PINS, BLACK) . . . . .   | front LH side of engine compartment . . . . .                            | 24-2   |        |
| X1165 | GROUND . . . . .            | below LH side of dash . . . . .                                          | 04-3   |        |
| X1166 | GROUND . . . . .            | RH side of glove box . . . . .                                           | 04-2   |        |
| X1170 | (42 PINS, BLACK) . . . . .  | behind glove box . . . . .                                               | 01-2   | 07-3   |
| X1176 | (25 PINS, BLACK) . . . . .  | rear LH side of engine compartment back of LH side shock tower . . . . . | 11-3   | 04-2   |
| X1178 | (2 PINS, WHITE) . . . . .   | below center console LH side of gearshift selector                       | 19-3   |        |
| X1193 | (3 PINS, BLACK) . . . . .   | center console RH side of gearshift selector . . . . .                   |        | 01-1   |
| X1241 | (2 PINS, BLACK) . . . . .   | below LH side of rear seat . . . . .                                     | 13-1   |        |
| X1245 | (1 PIN, BLACK) . . . . .    | above LH sun visor                                                       |        |        |
| X1246 | (1 PIN, BLACK) . . . . .    | above RH sun visor                                                       |        |        |
| X1292 | (4 PINS, NATURAL) . . . . . | center console near gearshift lever . . . . .                            |        | 07-1   |
| X1380 | (1 PIN, —) . . . . .        | behind RH footwell speaker grille                                        |        |        |
| X1381 | (1 PIN, —) . . . . .        | behind LH footwell kickpanel                                             |        |        |
| X1441 | GROUND . . . . .            | under RH rear seat . . . . .                                             | 01-3   |        |
| X1517 | (3 PINS, BLACK) . . . . .   | center of dash center console . . . . .                                  |        | 06-2   |
| X1518 | (8 PINS, BLACK) . . . . .   | behind center of dashboard . . . . .                                     |        | 01-4   |
| X1522 | (2 PINS, BLACK) . . . . .   | behind center of dashboard                                               |        |        |
| X1588 | (2 PINS, BLACK) . . . . .   | below LH side of dash . . . . .                                          | 18-1   |        |
| X1646 | (3 PINS, BLACK) . . . . .   | on lift gate . . . . .                                                   |        | 01-1   |
| X1764 | (3 PINS, BLACK) . . . . .   | below LH side of dash . . . . .                                          |        | 01-1   |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION              | LOCATION                                           | 7100.0 | 8500.0 |
|-------|--------------------------|----------------------------------------------------|--------|--------|
| X1805 | (15 PINS, NATURAL) ..... | below LH side of dash .....                        |        | 00-3   |
| X1814 | (9 PINS, BLACK) .....    | below LH side of dash .....                        |        | 03-4   |
| X1843 | (1 PIN, BLACK) .....     | on lift gate                                       |        |        |
| X1844 | (1 PIN, WHITE) .....     | on lift gate                                       |        |        |
| X1845 | (2 PINS, BLACK) .....    | on lift gate                                       |        |        |
| X1846 | (3 PINS, YELLOW) .....   | on lift gate .....                                 |        | 01-1   |
| X1847 | (3 PINS, BLACK) .....    | on lift gate .....                                 |        | 07-2   |
| X1883 | (3 PINS, YELLOW) .....   | in driver's door .....                             | 29-2   | 07-2   |
| X1884 | (3 PINS, YELLOW) .....   | in passenger's door                                |        | 07-2   |
| X1885 | (3 PINS, BLACK) .....    | under driver's seat left .....                     | 29-3   | 01-1   |
| X1886 | (3 PINS, BLACK) .....    | under passenger's seat right .....                 |        | 01-1   |
| X1890 | (3 PINS, BLACK) .....    | front of engine compartment on auxiliary fan ..... | 11-1   | 06-4   |
| X1892 | (3 PINS, BLACK) .....    | in LH forward side of luggage compartment .....    |        | 01-1   |
| X6000 | (88 PINS, NATURAL) ..... | rear RH side of engine compartment .....           |        | 05-1   |
| X6002 | (20 PINS, BLACK) .....   | rear LH side of engine compartment .....           | 09-2   | 00-1   |
| X6031 | (12 PINS, BLACK) .....   | rear LH side of engine compartment .....           | 05-3   | 01-6   |
| X6101 | (2 PINS, BLACK) .....    | top center of engine                               |        |        |
| X6102 | (2 PINS, BLACK) .....    | top center of engine                               |        |        |
| X6103 | (2 PINS, BLACK) .....    | top center of engine                               |        |        |
| X6104 | (2 PINS, BLACK) .....    | top center of engine                               |        |        |
| X6120 | (2 PINS, BLACK) .....    | LH side of engine compartment .....                | 13-2   |        |



## COMPONENT LOCATION CHART

| COMP. | DESCRIPTION            | LOCATION                                                           | 7100.0 | 8500.0 |
|-------|------------------------|--------------------------------------------------------------------|--------|--------|
| X6130 | (3 PINS, BLACK) .....  | rear LH side of engine compartment .....                           | 10-2   | 03-2   |
| X6131 | (2 PINS, BLACK) .....  | rear LH side of engine compartment .....                           | 11-2   |        |
| X6133 | (2 PINS, YELLOW) ..... | LH side of engine compartment .....                                | 13-2   |        |
| X6150 | (7 PINS, BLACK) .....  | RH side of engine compartment .....                                | 10-3   | 08-4   |
| X6151 | (3 PINS, GRAY) .....   | top RH side of engine .....                                        |        | 08-5   |
| X6152 | (3 PINS, GRAY) .....   | top RH side of engine .....                                        |        | 08-5   |
| X6153 | (3 PINS, GRAY) .....   | top RH side of engine .....                                        |        | 08-5   |
| X6154 | (3 PINS, GRAY) .....   | top RH side of engine .....                                        |        | 08-5   |
| X6163 | (2 PINS, BLACK) .....  | LH side of engine compartment .....                                | 13-2   |        |
| X6203 | (3 PINS, BLACK) .....  | front of engine below intake manifold .....                        |        | 03-2   |
| X6205 | (2 PINS, BLACK) .....  | LH side of engine near oil level stick .....                       | 09-3   |        |
| X6209 | (3 PINS, BLACK) .....  | front of engine HALL EFFECT CAMSHAFT SENSOR .....                  |        | 03-2   |
| X6217 | (4 PINS, GRAY) .....   | top front of engine .....                                          | 09-3   | 06-1   |
| X6231 | (2 PINS, BLACK) .....  | LH front of engine below intake manifold .....                     | 10-1   |        |
| X6232 | (4 PINS, BLACK) .....  | LH front of engine below intake manifold .....                     | 26-2   | 06-1   |
| X6240 | (4 PINS, BLACK) .....  | top front of engine .....                                          |        | 06-1   |
| X6252 | (3 PINS, BLACK) .....  | LH side of engine compartment .....                                | 10-2   | 03-2   |
| X6255 | (3 PINS, BLACK) .....  | LH side of engine compartment .....                                | 27-2   | 03-2   |
| X6263 | (2 PINS, BLACK) .....  | under LH center of car .....                                       | 28-2   |        |
| X6300 | (9 PINS, BLACK) .....  | rear LH side of engine compartment in Power Distribution Box ..... |        | 03-4   |
| X6301 | (9 PINS, BLACK) .....  | rear LH side of engine compartment in Power Distribution Box ..... |        | 03-4   |



## COMPONENT LOCATION CHART

| COMP.  | DESCRIPTION                                   | LOCATION                                                             | 7100.0 | 8500.0 |
|--------|-----------------------------------------------|----------------------------------------------------------------------|--------|--------|
| X6304  | (9 PINS, BLACK) .....                         | rear LH side of engine compartment in Power Distribution Box .....   |        | 03-4   |
| X6326  | (9 PINS, WHITE) .....                         | rear RH side of engine compartment .....                             | 27-1   | 03-4   |
| X6454  | GROUND .....                                  | rear RH side of engine compartment back of RH side shock tower ..... | 05-2   |        |
| X6456  | GROUND .....                                  | rear RH side of engine compartment back of RH side shock tower ..... | 05-2   |        |
| X6509  | CABLE SOCKET ALTERNATOR B+ ...                | front LH side of engine compartment .....                            | 03-1   |        |
| X6510  | CABLE SOCKET STARTER,<br>TERMINAL 50 .....    | rear LH side of engine compartment below intake manifold             |        |        |
| X6511  | CABLE SOCKET STARTER,<br>TERMINAL 30h .....   | rear LH side of engine compartment below intake manifold             |        |        |
| X6512  | CABLE SOCKET STARTER,<br>TERMINAL 30 .....    | rear LH side of engine compartment below intake manifold             |        |        |
| X7509  | CABLE SOCKET ALTERNATOR,<br>TERMINAL D+ ..... | front LH side of engine compartment                                  |        |        |
| X8500  | (88 PINS, NATURAL) .....                      | rear RH side of engine compartment in E-Box .....                    |        | 05-1   |
| X8503  | (10 PINS, NATURAL) .....                      | center console RH side of gearshift selector .....                   | 19-2   | 02-3   |
| X8505  | (16 PINS, BLACK) .....                        | on RH side of transmission .....                                     |        | 09-5   |
| X8507  | (1 PIN, BLACK) .....                          | below LH side of dash                                                |        |        |
| X8511  | (2 PINS, BLACK) .....                         | under front of car LH side of transmission .....                     | 25-3   |        |
| X8516  | (2 PINS, BLACK) .....                         | on RH side of transmission .....                                     | 25-2   |        |
| X9997  | (2 PINS, ORANGE) .....                        | behind steering wheel .....                                          | 16-1   |        |
| X10010 | GROUND .....                                  | RH side of glove box .....                                           | 04-2   |        |
| X10012 | GROUND .....                                  | RH side of glove box .....                                           | 04-2   |        |



## COMPONENT LOCATION CHART

| COMP.  | DESCRIPTION             | LOCATION                                  | 7100.0 | 8500.0 |
|--------|-------------------------|-------------------------------------------|--------|--------|
| X10013 | (1 PIN, —) .....        | top of steering column                    |        |        |
| X10070 | (2 PINS, GRAY) .....    | front LH side of engine compartment ..... | 13-3   |        |
| X10071 | (2 PINS, BLACK) .....   | front LH side of engine compartment ..... | 13-3   |        |
| X10074 | (2 PINS, BLACK) .....   | near RH headlight assembly                |        |        |
| X10075 | (2 PINS, GRAY) .....    | near RH headlight assembly                |        |        |
| X10094 | (2 PINS, BLACK) .....   | LH side of engine compartment .....       | 27-3   |        |
| X10182 | (18 PINS, BLACK) .....  | behind glove box .....                    |        | 01-5   |
| X10216 | (2 PINS, YELLOW) .....  | driver's seat right                       |        |        |
| X10217 | (2 PINS, YELLOW) .....  | passenger's seat left                     |        |        |
| X10218 | (3 PINS, NATURAL) ..... | under RH front seat .....                 | 20-3   | 01-1   |
| X10234 | (4 PINS, —) .....       | center of dash center console .....       |        | 03-1   |
| X10244 | (1 PIN, BLACK) .....    | below RH side of dash behind glove box    |        |        |
| X10245 | (12 PINS, BLACK) .....  | behind center of dashboard .....          |        | 01-3   |
| X10246 | (2 PINS, BLACK) .....   | in RH side of luggage compartment         |        |        |
| X10247 | (2 PINS, WHITE) .....   | in RH side of luggage compartment         |        |        |
| X10248 | (2 PINS, BLACK) .....   | in LH side of luggage compartment .....   | 23-2   |        |
| X10249 | (2 PINS, WHITE) .....   | in LH side of luggage compartment         |        |        |
| X10250 | (2 PINS, BLACK) .....   | below LH side of dash .....               | 20-1   |        |
| X10261 | (4 PINS, BLACK) .....   | front RH side of engine compartment ..... | 08-3   | 08-1   |
| X10262 | (9 PINS, BLACK) .....   | below LH side of dash .....               |        | 03-4   |
| X10263 | (6 PINS, BLACK) .....   | behind center of dashboard .....          |        | 04-3   |



## COMPONENT LOCATION CHART

| COMP.  | DESCRIPTION       | LOCATION                                                       | 7100.0 | 8500.0 |
|--------|-------------------|----------------------------------------------------------------|--------|--------|
| X10271 | (3 PINS, BLACK)   | in roof panel                                                  |        | 01-1   |
| X11250 | (6 PINS, BLACK)   | behind center console                                          | 02-2   | 01-2   |
| X11289 | (3 PINS, BLACK)   | under LH front seat                                            |        | 01-1   |
| X11290 | (3 PINS, BLACK)   | under RH front seat                                            |        | 01-1   |
| X11379 | (3 PINS, NATURAL) | front RH side of engine compartment near RH headlight assembly | 08-3   | 05-3   |
| X11393 | (9 PINS, BLACK)   | Power Distribution Box rear LH side of engine compartment      |        | 03-4   |
| X11395 | (5 PINS, BLACK)   | behind glove box                                               |        | 02-5   |
| X13006 | GROUND            | in LH side of luggage compartment                              | 05-1   |        |
| X13009 | GROUND            | behind glove box right                                         |        |        |
| X13016 | GROUND            | below LH side of dash                                          | 04-3   |        |
| X13025 | (12 PINS, BLACK)  | RH side of dash behind glove box                               |        | 02-4   |
| X13057 | (2 PINS, BLACK)   | in lift gate                                                   | 02-1   |        |
| X13170 | (2 PINS, BLACK)   | behind side panel, right from RH rear seat                     | 28-3   |        |
| X13171 | (3 PINS, NATURAL) | RH rear wheel well, behind trim panel                          | 29-1   | 09-4   |
| X13176 | (6 PINS, NATURAL) | in roof panel                                                  |        | 04-3   |
| X13252 | (15 PINS, BLACK)  | behind glove box                                               | 01-1   | 00-3   |
| X13253 | (26 PINS, YELLOW) | behind glove box                                               | 01-1   | 00-2   |
| X13254 | (26 PINS, GREEN)  | behind glove box                                               | 01-1   | 00-2   |
| X13268 | (3 PINS, BLACK)   | in lift gate                                                   | 02-1   | 01-1   |
| X13274 | (10 PINS, BLACK)  | center of dash center console                                  |        | 02-3   |
| X13286 | (1 PIN, BLACK)    | center of dash behind center console                           |        |        |



## COMPONENT LOCATION CHART

| COMP.  | DESCRIPTION                | LOCATION                                                      | 7100.0 | 8500.0 |
|--------|----------------------------|---------------------------------------------------------------|--------|--------|
| X13287 | (1 PIN, WHITE) . . . . .   | center of dash behind center console                          |        |        |
| X13305 | (8 PINS, BLACK) . . . . .  | center console . . . . .                                      |        | 01-4   |
| X17159 | (12 PINS, —) . . . . .     | at back of rear window shelf . . . . .                        |        | 08-3   |
| X17179 | (12 PINS, —) . . . . .     | in LH side of luggage compartment behind trim panel . . . . . |        | 08-3   |
| X18126 | (17 PINS, BLACK) . . . . . | center console behind radio . . . . .                         |        | 02-2   |
| X18196 | (10 PINS, BLACK) . . . . . | behind LH footwell speaker grille . . . . .                   |        | 02-3   |
| X18198 | (10 PINS, BLACK) . . . . . | behind RH footwell speaker grille . . . . .                   |        | 02-3   |
| X18279 | (2 PINS, GRAY) . . . . .   | LH front door behind door panel . . . . .                     | 22-1   |        |
| X18280 | (2 PINS, GRAY) . . . . .   | RH front door behind door panel . . . . .                     | 21-2   |        |
| X18333 | (2 PINS, BLACK) . . . . .  | on instrument cluster . . . . .                               | 17-2   |        |
| X18334 | (2 PINS, BLACK) . . . . .  | on instrument cluster . . . . .                               | 17-2   |        |
| X18337 | (12 PINS, BLACK) . . . . . | on instrument cluster . . . . .                               | 17-2   | 09-3   |
| X18338 | (12 PINS, BLACK) . . . . . | on instrument cluster . . . . .                               | 17-2   | 09-3   |
| X18518 | (4 PINS, BLACK) . . . . .  | under RH front seat . . . . .                                 |        | 07-1   |
| X18520 | (10 PINS, —) . . . . .     | center console RADIO . . . . .                                |        | 02-3   |
| X18521 | (10 PINS, —) . . . . .     | RH side of luggage compartment CD CHANGER . . . . .           |        | 02-3   |
| X18723 | GROUND . . . . .           | below LH side of dash . . . . .                               | 04-3   |        |
| X18994 | (3 PINS, YELLOW) . . . . . | LH footwell underside of steering column . . . . .            | 23-3   | 01-1   |
| X19527 | (16 PINS, BLACK) . . . . . | center console right . . . . .                                | 24-3   | 05-4   |
| X62001 | (4 PINS, BLACK) . . . . .  | under center of car . . . . .                                 | 25-1   | 06-1   |
| X62002 | (4 PINS, BLACK) . . . . .  | under center of car . . . . .                                 | 26-3   | 06-1   |

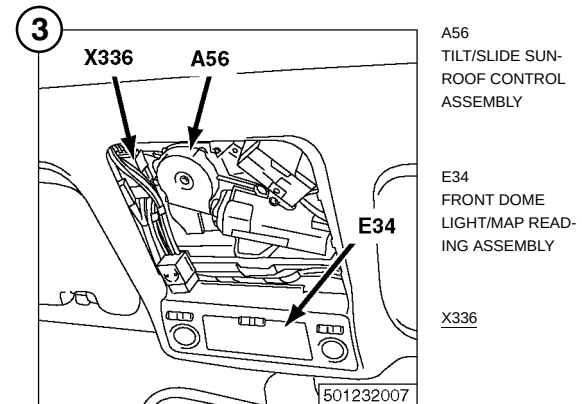
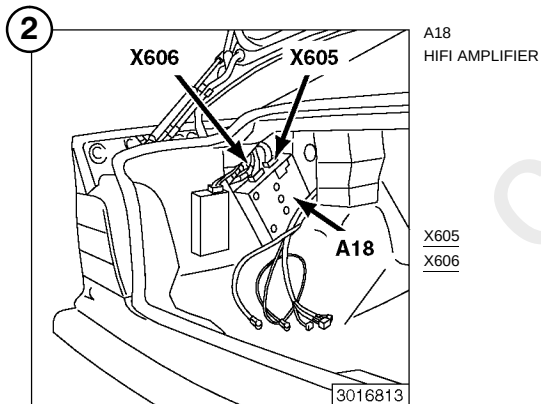
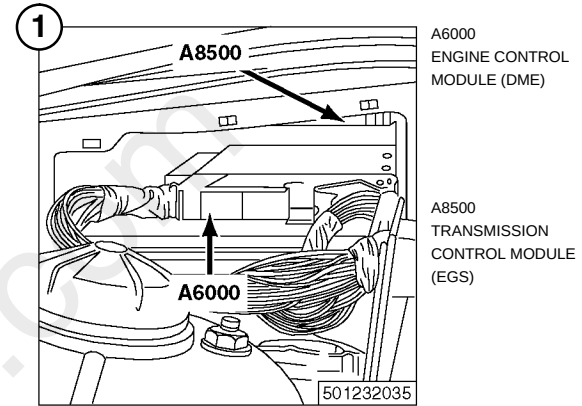
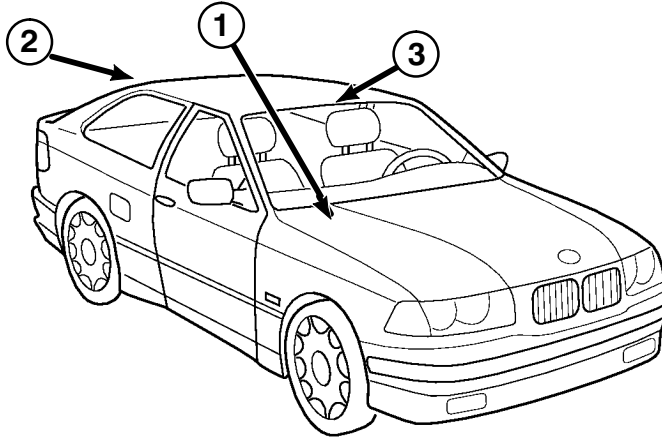


## COMPONENT LOCATION CHART

| COMP.      | DESCRIPTION                                          | LOCATION                                                                 | 7100.0 | 8500.0 |
|------------|------------------------------------------------------|--------------------------------------------------------------------------|--------|--------|
| X91009     | (2 PINS, BLACK) . . . . .                            | under passenger's seat                                                   |        |        |
| Y1 . . . . | ABS HYDRAULIC UNIT . . . . .                         | rear LH side of engine compartment back of LH side shock tower . . . . . | 11-3   |        |
| Y2 . . . . | AIR CONDITIONING COMPRESSOR . . . . .                | front RH side of engine compartment                                      |        |        |
| Y4z . . .  | WATER VALVE . . . . .                                | rear LH side of engine compartment . . . . .                             | 11-3   |        |
| Y5 . . . . | DRIVER'S SIDE MIRROR . . . . .                       | in upper LH front door                                                   |        |        |
| Y6 . . . . | PASSENGER'S SIDE MIRROR . . . . .                    | in upper RH front door                                                   |        |        |
| Y19 . .    | SHIFT-LOCK . . . . .                                 | center console . . . . .                                                 | 19-3   |        |
| Y199 .     | CARBON CANISTER VALVE . . . . .                      | behind side panel, right from RH rear seat . . . . .                     | 28-3   |        |
| Y6101      | CYL. 1 FUEL INJECTION VALVE . . . . .                | on cylinder head . . . . .                                               | 08-2   |        |
| Y6102      | CYL. 2 FUEL INJECTION VALVE . . . . .                | on cylinder head . . . . .                                               | 08-2   |        |
| Y6103      | CYL. 3 FUEL INJECTION VALVE . . . . .                | on cylinder head . . . . .                                               | 08-2   |        |
| Y6104      | CYL. 4 FUEL INJECTION VALVE . . . . .                | on cylinder head . . . . .                                               | 08-2   |        |
| Y6120      | EVAPORATIVE EMISSION VALVE . . . . .                 | LH side of engine compartment . . . . .                                  | 13-2   |        |
| Y6130      | IDLE SPEED CONTROL VALVE . . . . .                   | rear LH side of engine compartment . . . . .                             | 10-2   |        |
| Y6131      | INTAKE AIR RESONANCE CHANGE-<br>OVER VALVE . . . . . | rear LH side of engine compartment . . . . .                             | 11-2   |        |
| Y6133      | AIR PUMP . . . . .                                   | LH side of engine compartment . . . . .                                  | 13-2   |        |
| Y6163      | SECONDARY AIR PUMP VALVE . . . . .                   | LH side of engine compartment . . . . .                                  | 13-2   |        |
| Y6263      | FUEL CHANGEOVER VALVE . . . . .                      | under LH center of car . . . . .                                         | 28-2   |        |
| Y8505y     | TRANSMISSION VALVE UNIT . . . . .                    | on RH side of transmission                                               |        |        |

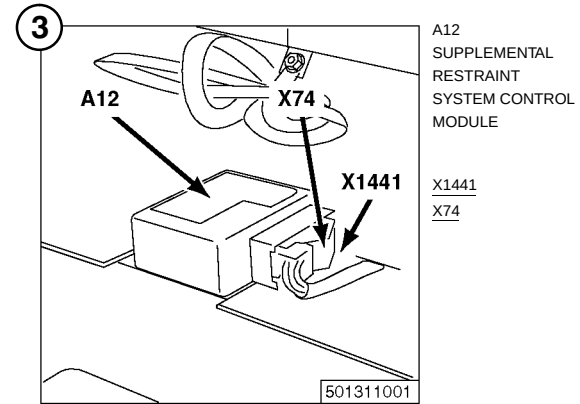
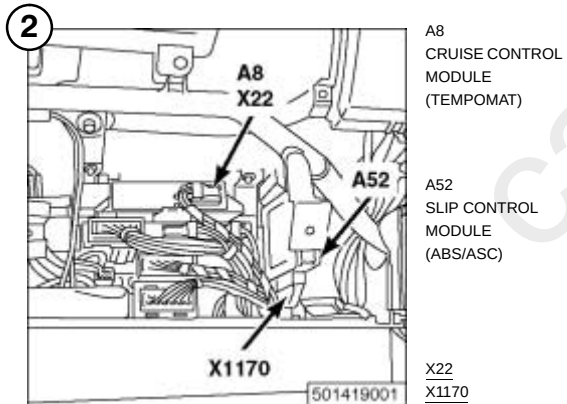
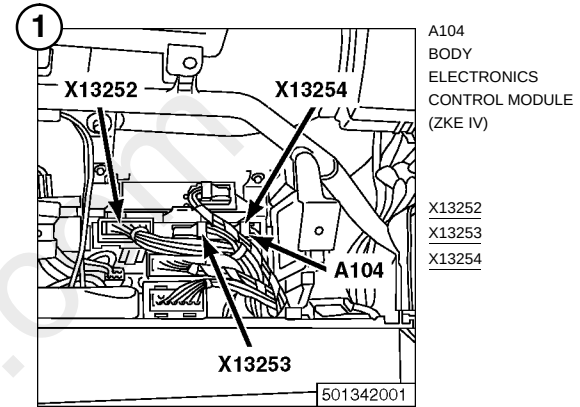
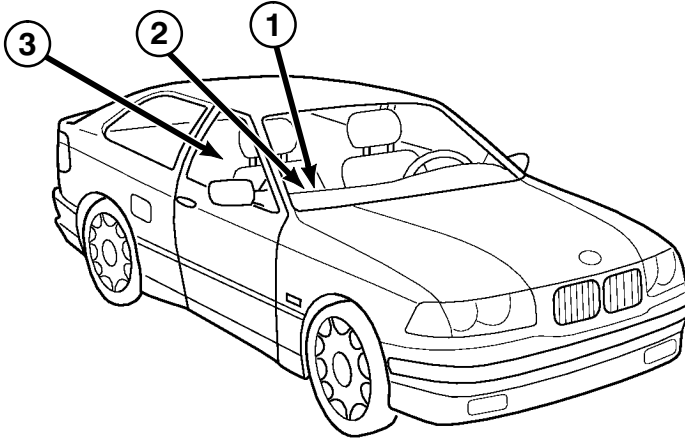
## 7100.0 COMPONENT LOCATION VIEWS

### ELECTRICAL CONTROL MODULE LOCATIONS



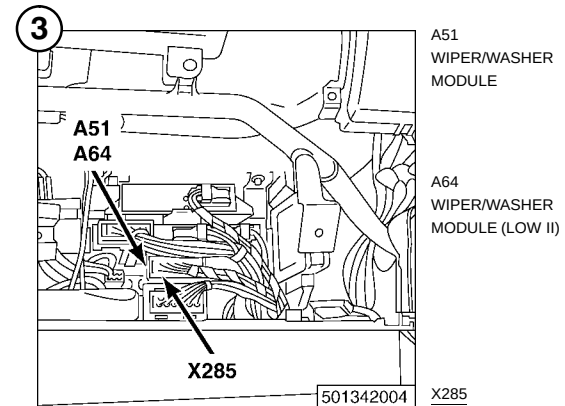
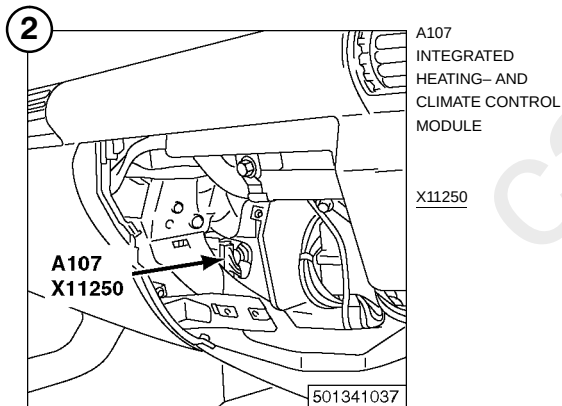
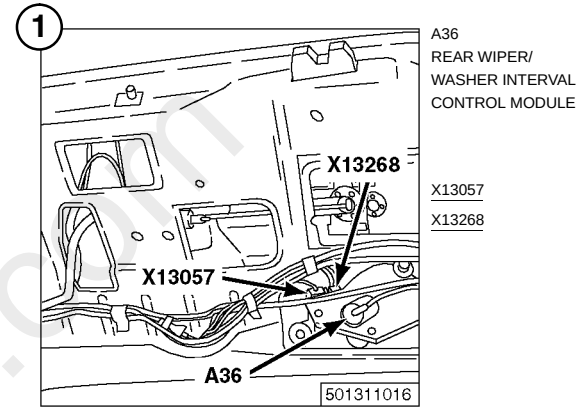
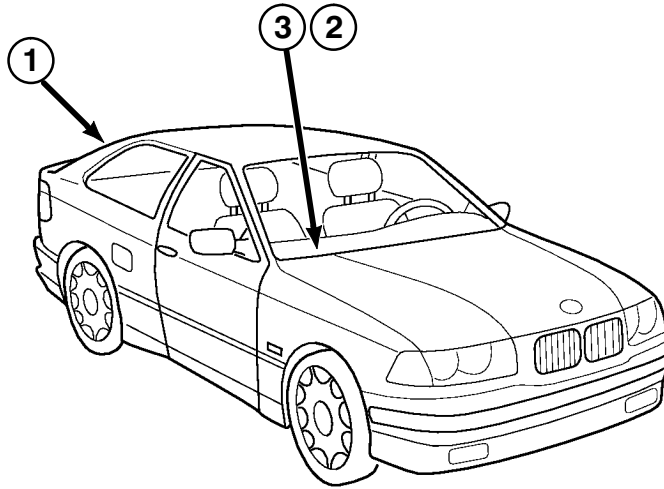
## COMPONENT LOCATION VIEWS

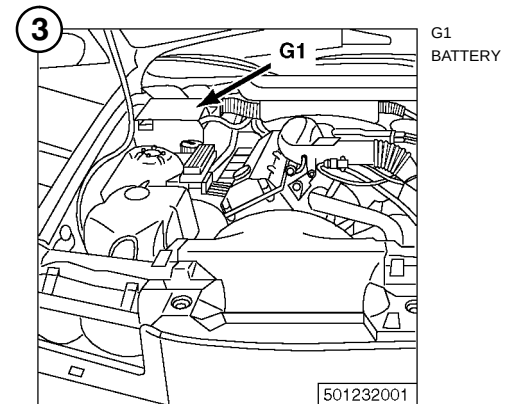
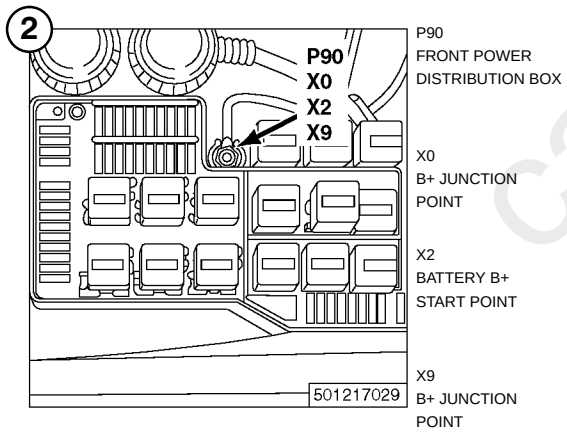
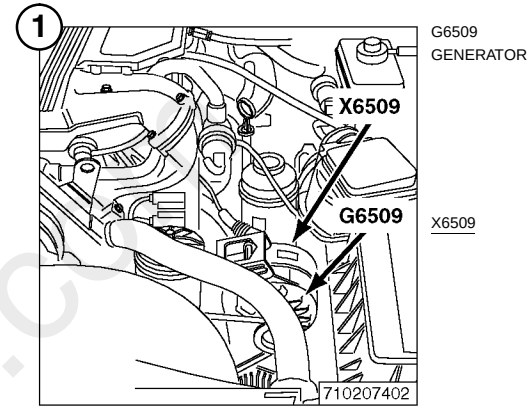
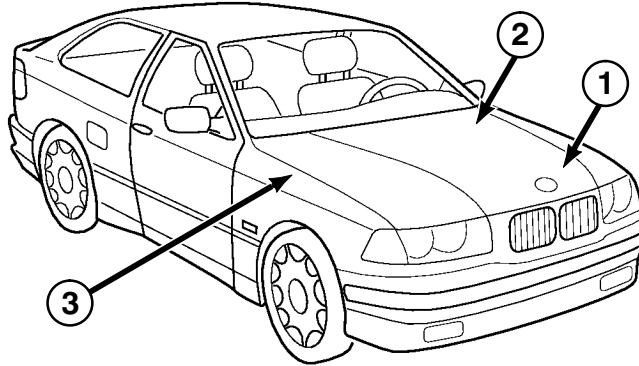
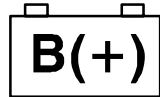
### ELECTRICAL CONTROL MODULE LOCATIONS

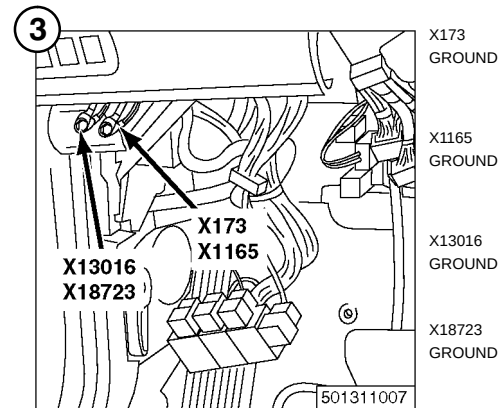
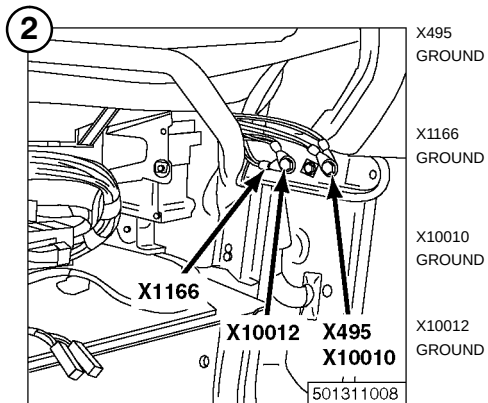
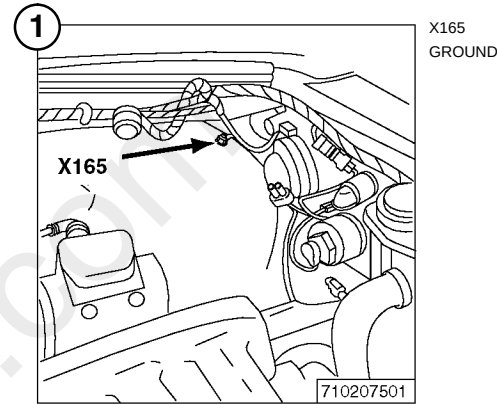
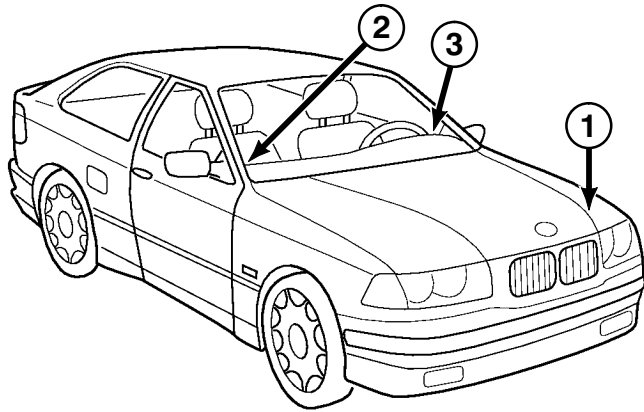
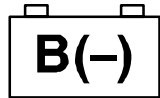


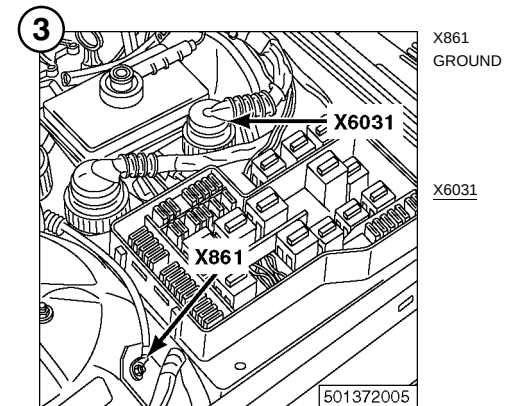
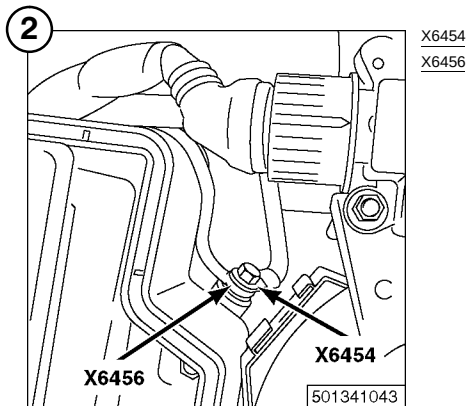
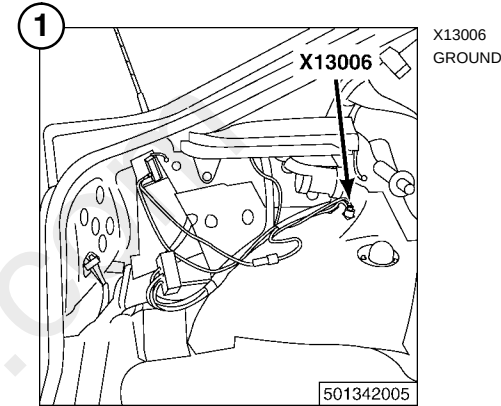
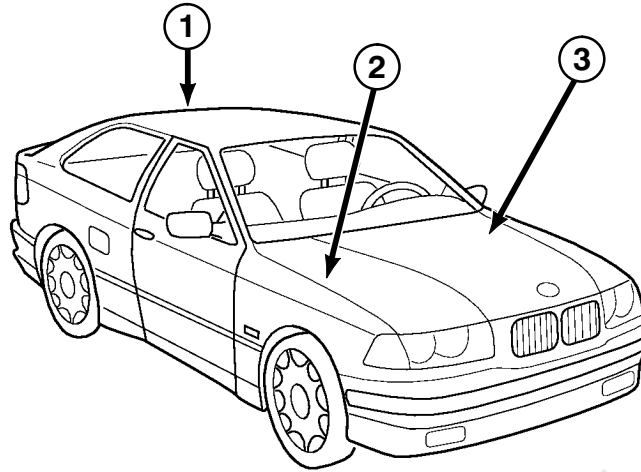
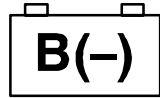
## COMPONENT LOCATION VIEWS

### ELECTRICAL CONTROL MODULE LOCATIONS

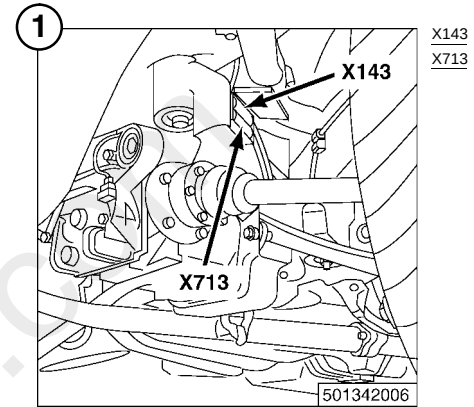
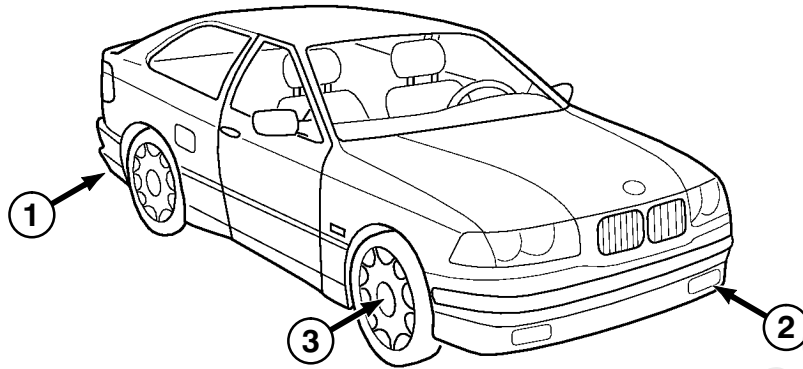




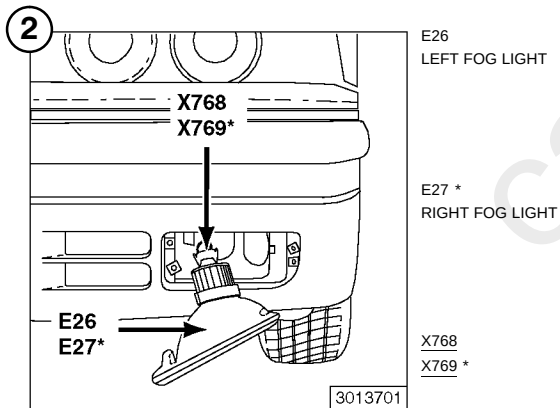




## COMPONENT LOCATION VIEWS



X143  
X713

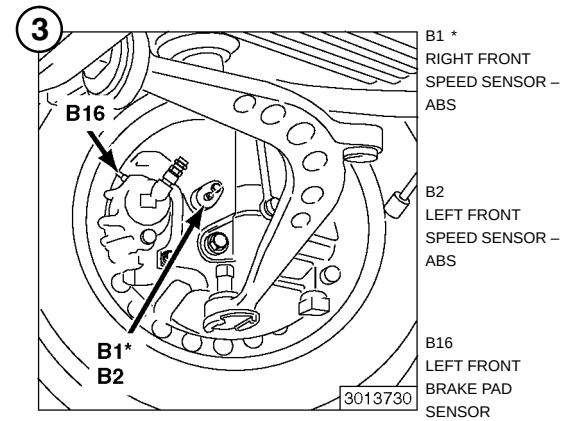


E26  
LEFT FOG LIGHT

E27 \*  
RIGHT FOG LIGHT

X768  
X769 \*

\* RH SIMILAR



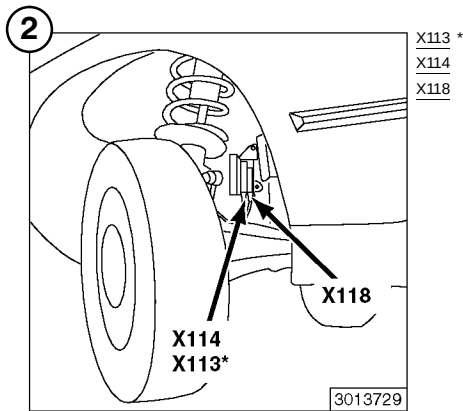
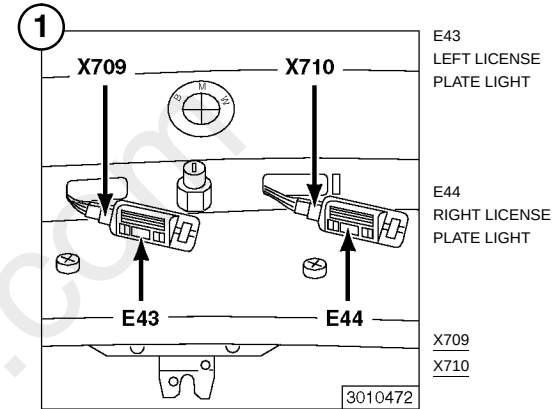
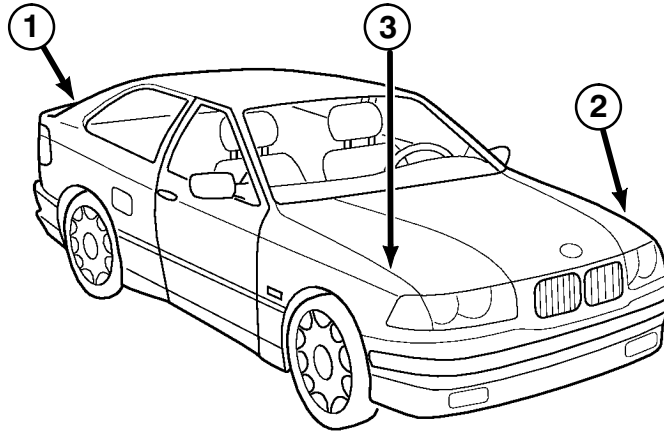
B1 \*  
RIGHT FRONT  
SPEED SENSOR –  
ABS

B2  
LEFT FRONT  
SPEED SENSOR –  
ABS

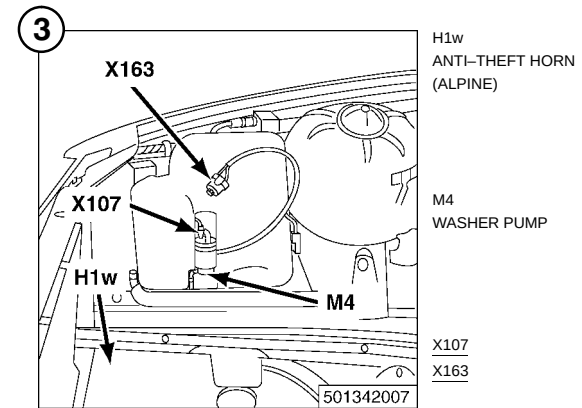
B16  
LEFT FRONT  
BRAKE PAD  
SENSOR

\* RH SIMILAR

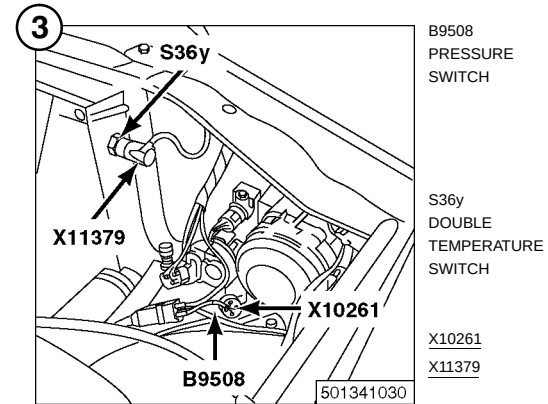
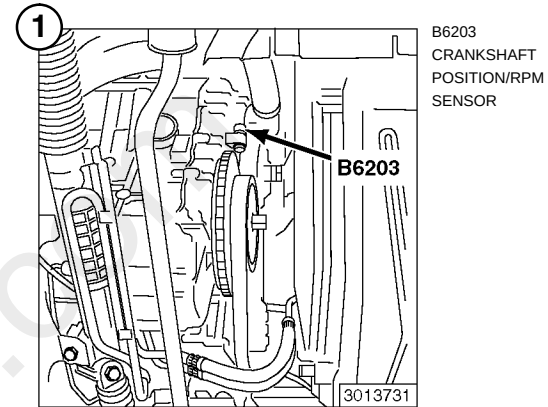
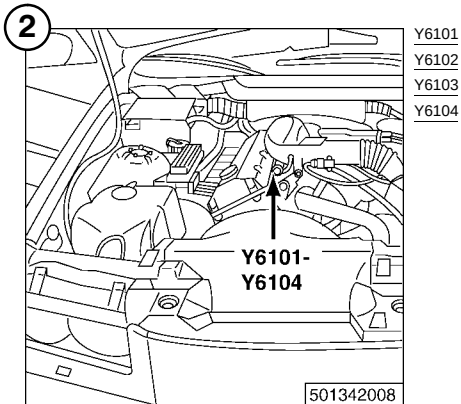
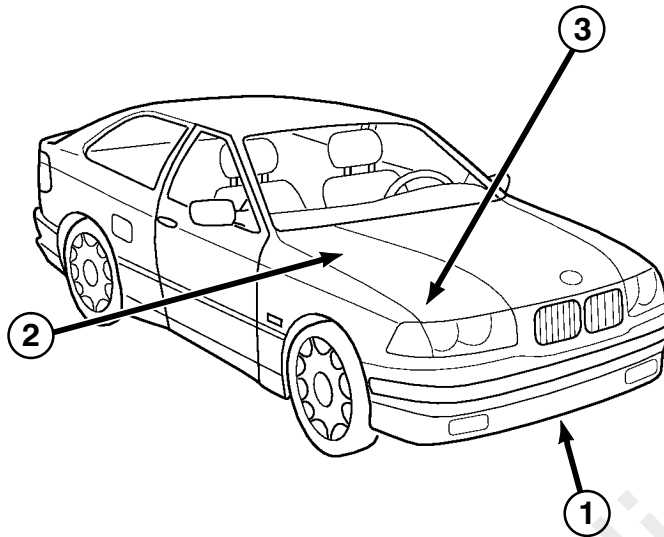
## COMPONENT LOCATION VIEWS



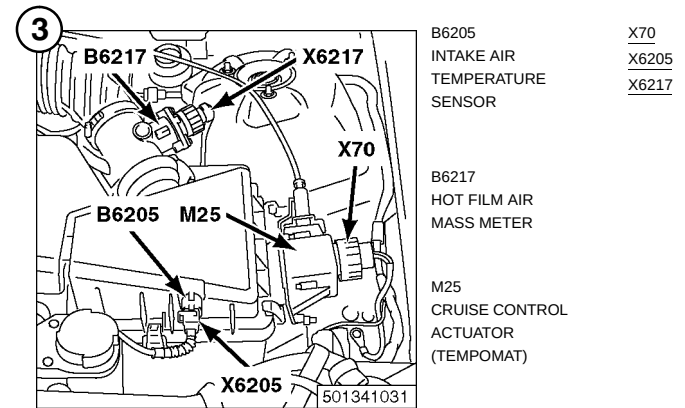
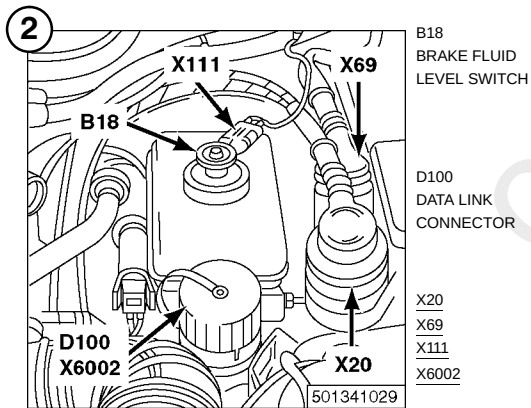
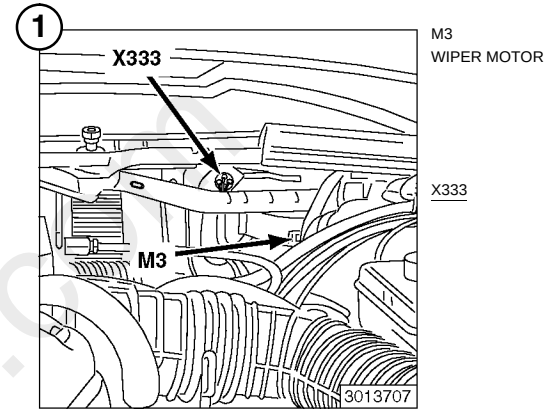
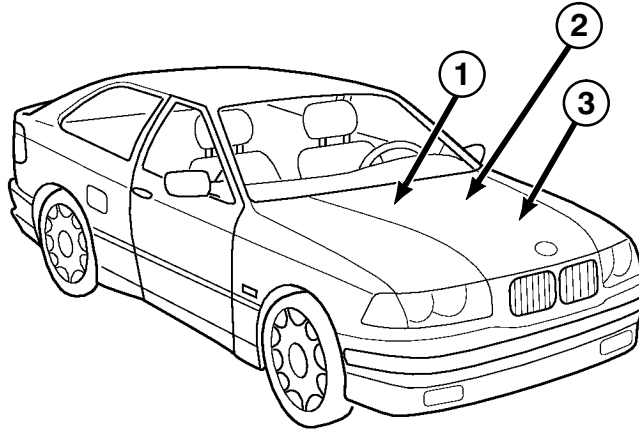
\* RH SIMILAR



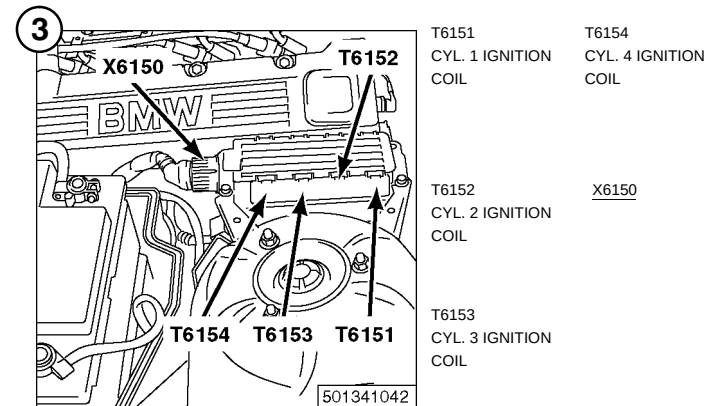
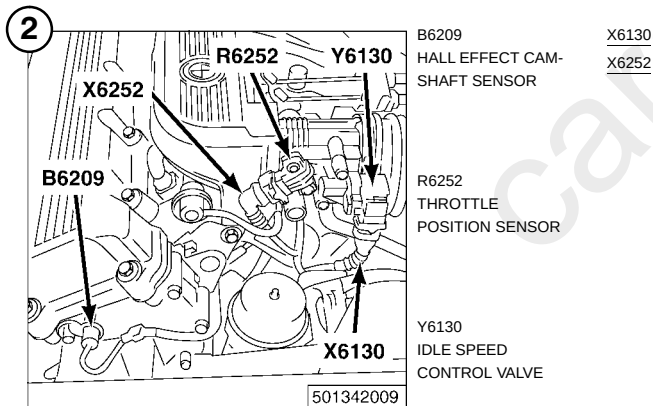
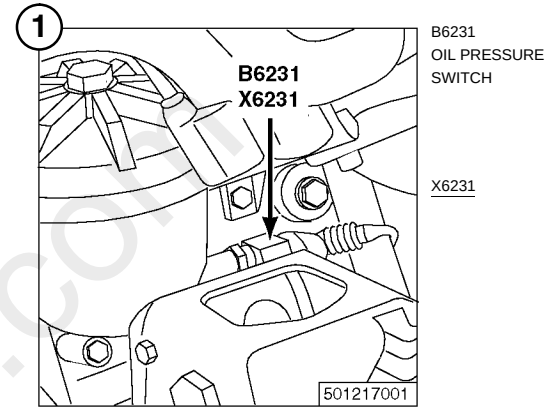
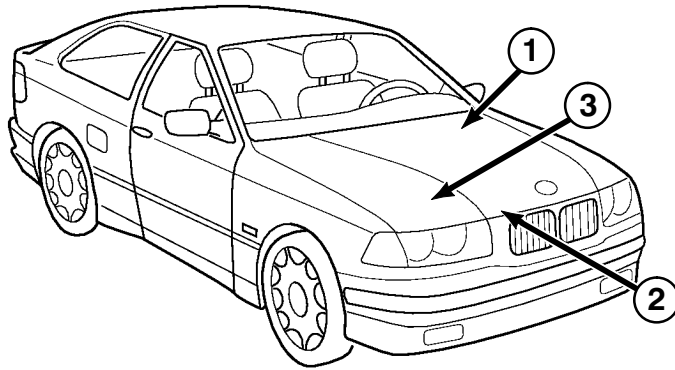
## COMPONENT LOCATION VIEWS



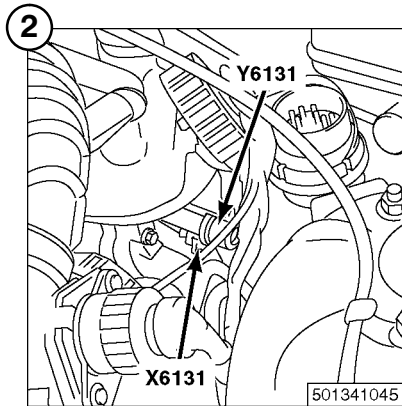
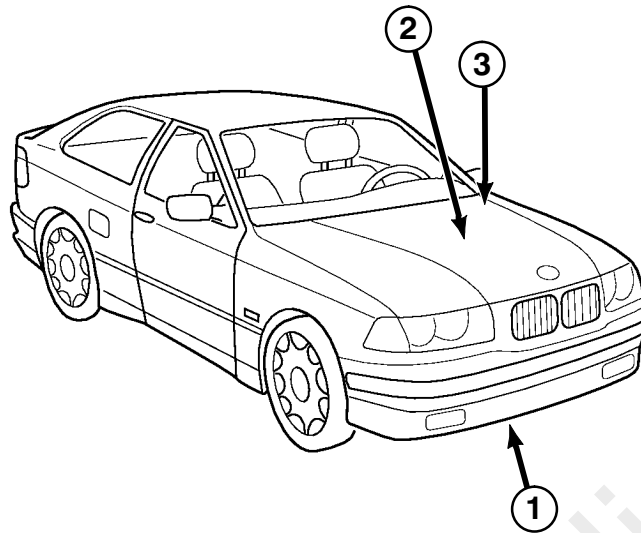
## COMPONENT LOCATION VIEWS



## COMPONENT LOCATION VIEWS

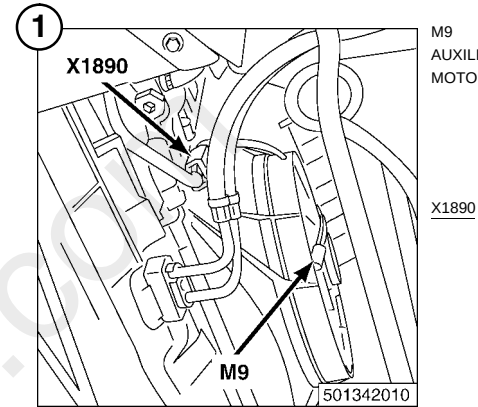


## COMPONENT LOCATION VIEWS



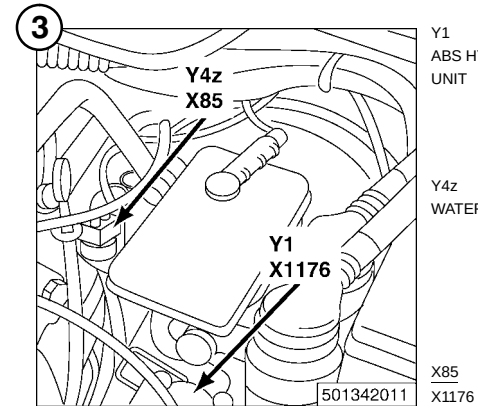
Y6131  
INTAKE AIR RES-  
ONANCE CHANGE-  
OVER VALVE

X6131



M9  
AUXILIARY FAN  
MOTOR

X1890

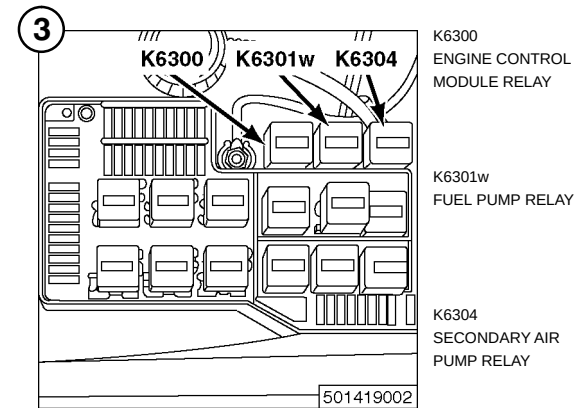
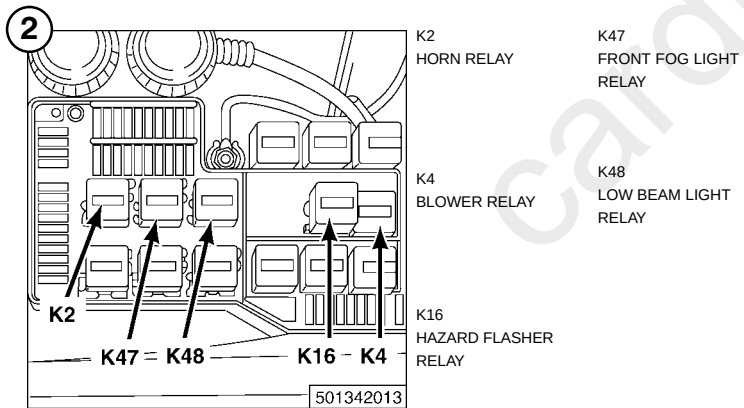
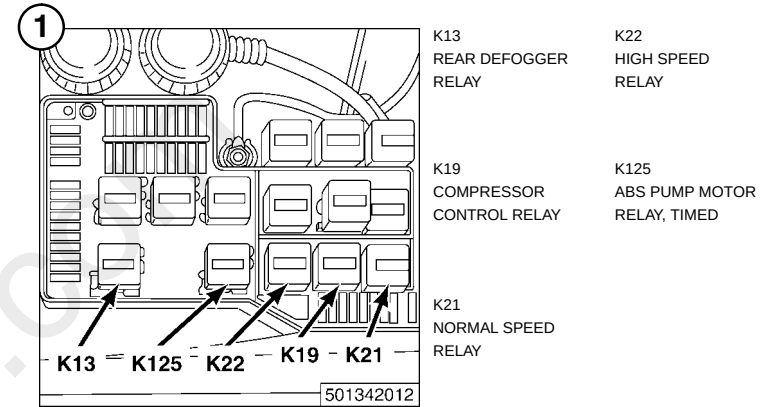
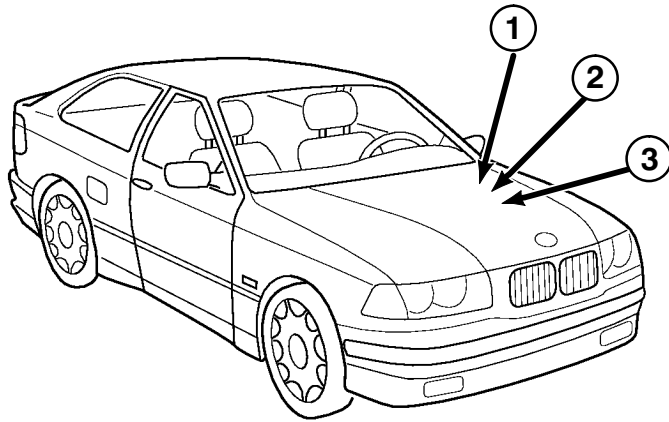


Y1  
ABS HYDRAULIC  
UNIT

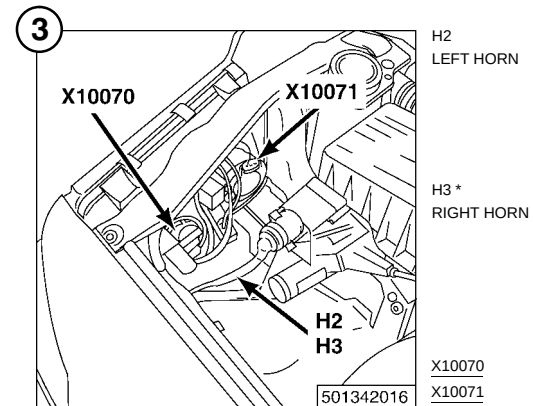
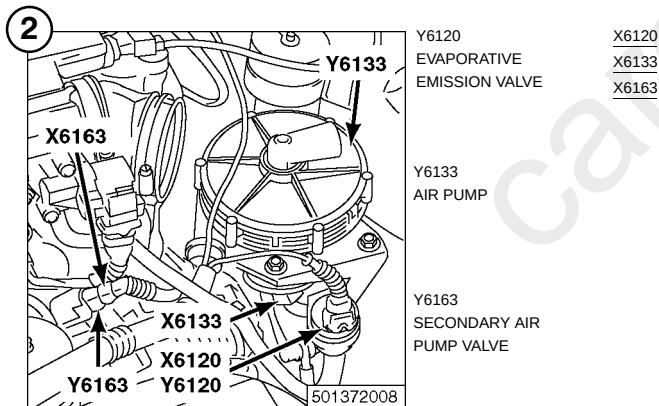
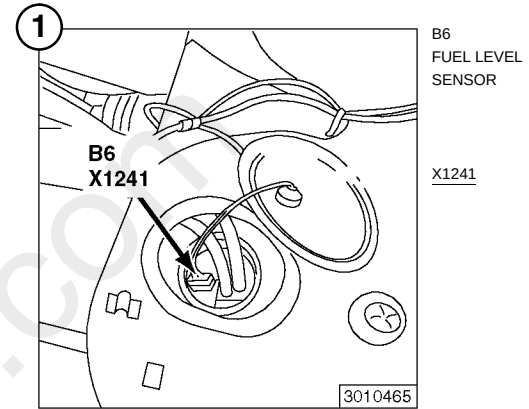
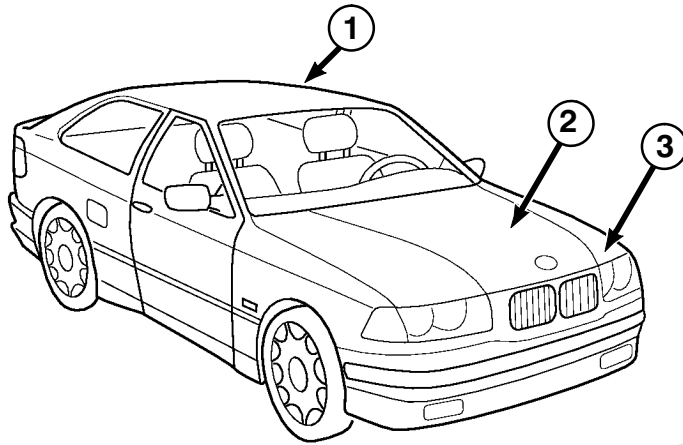
Y4z  
WATER VALVE

X85  
X1176

## COMPONENT LOCATION VIEWS

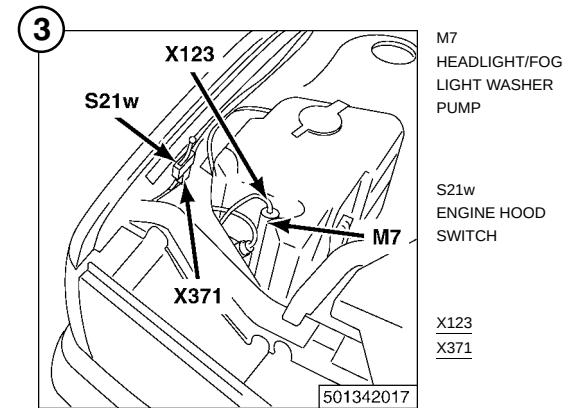
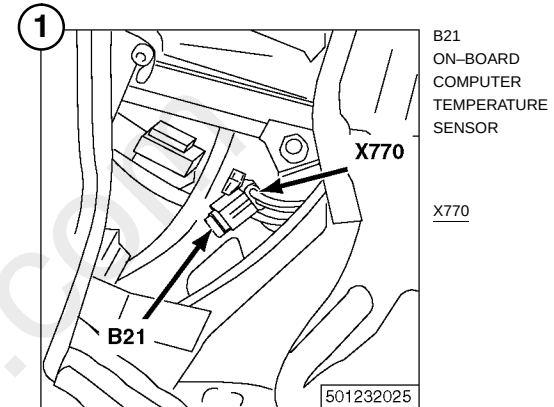
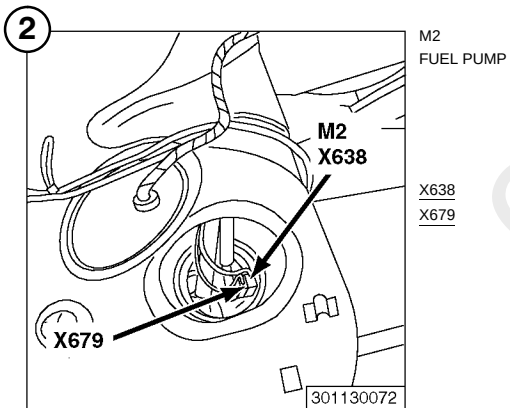
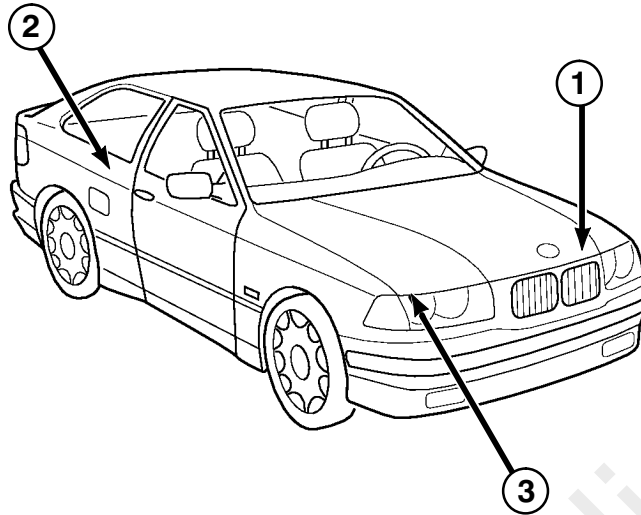


## COMPONENT LOCATION VIEWS

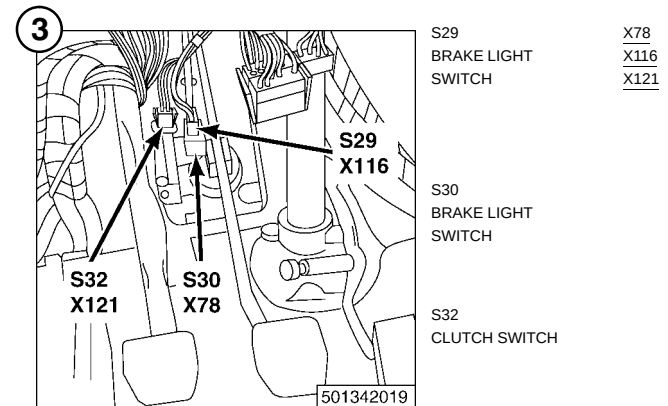
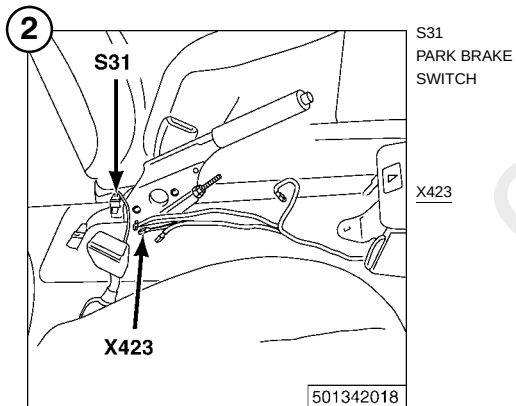
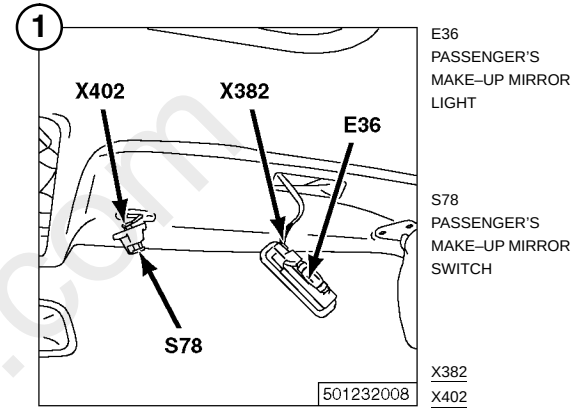
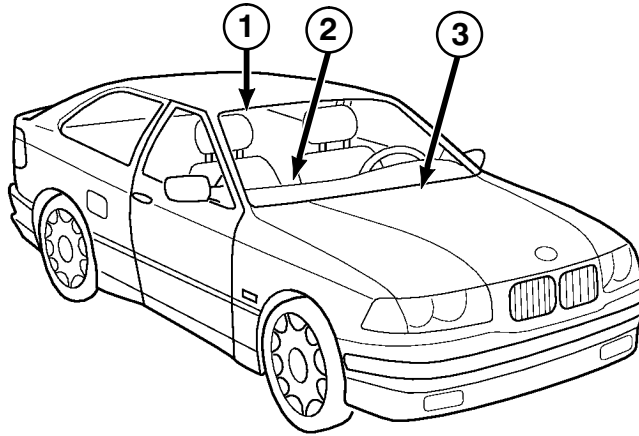


\* RH SIMILAR

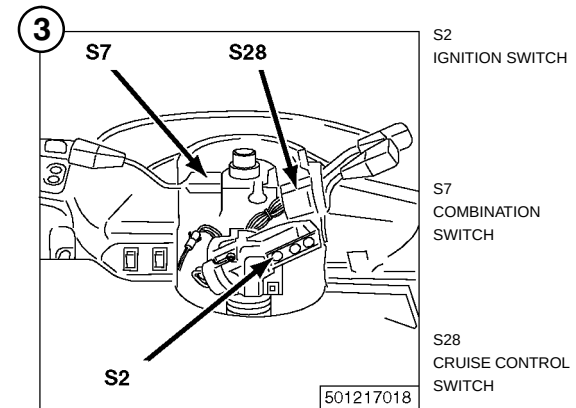
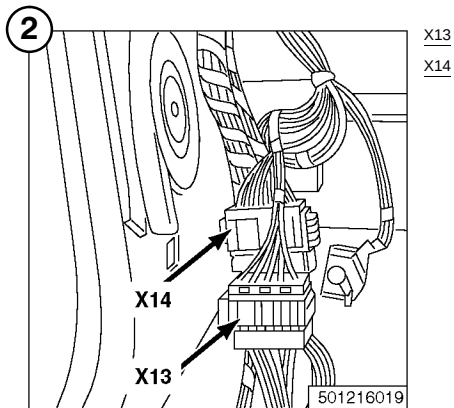
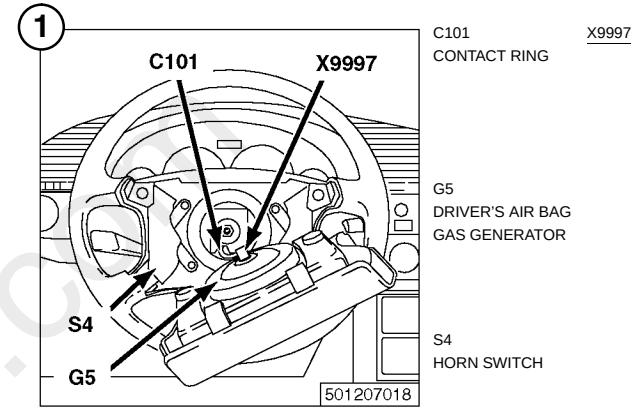
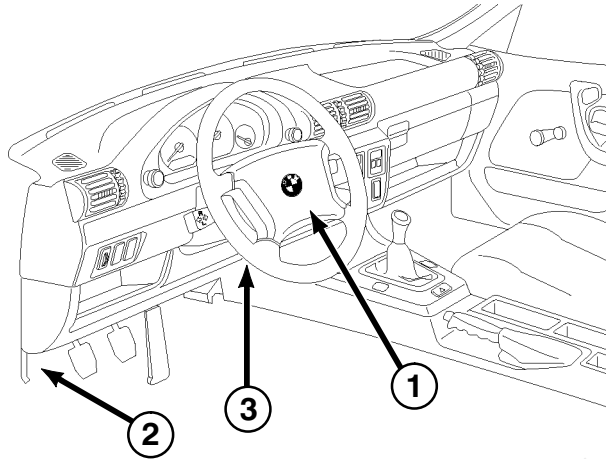
## COMPONENT LOCATION VIEWS



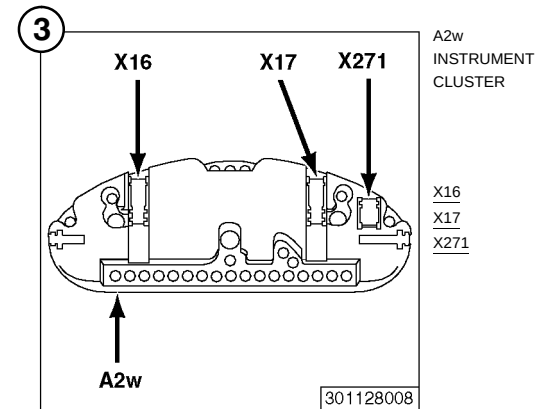
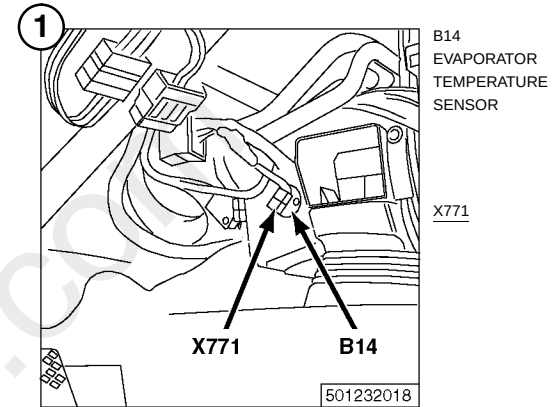
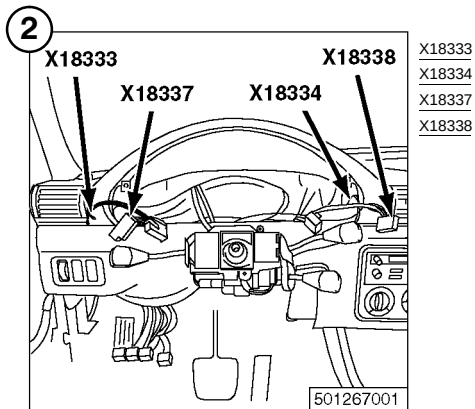
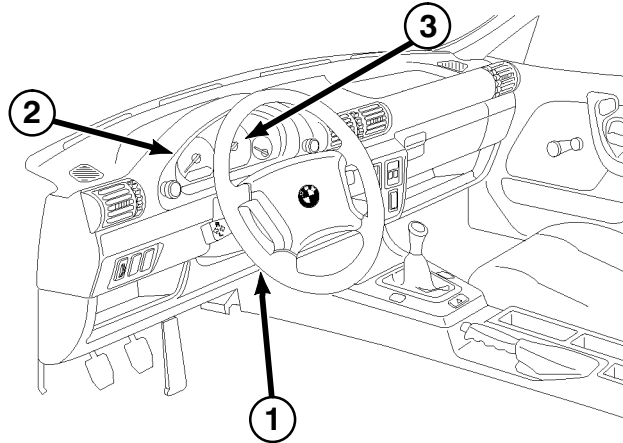
## COMPONENT LOCATION VIEWS



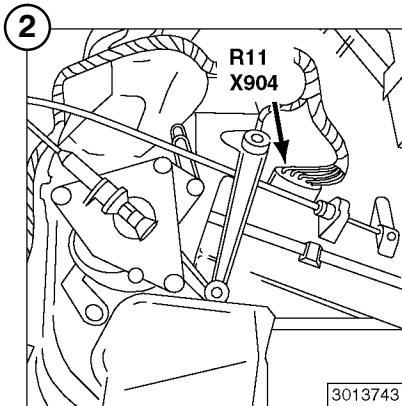
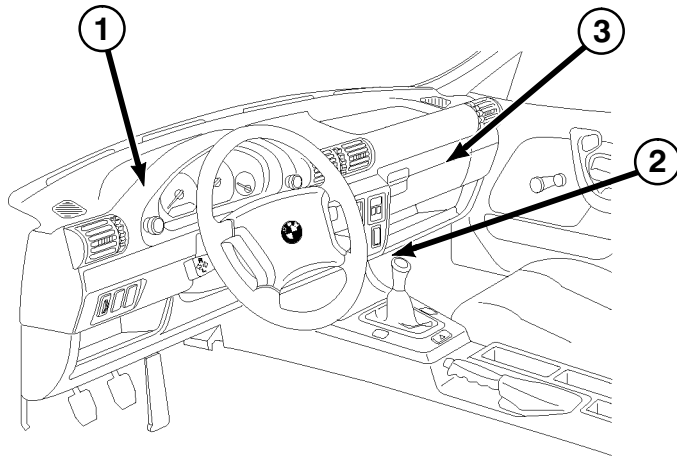
## COMPONENT LOCATION VIEWS



## COMPONENT LOCATION VIEWS

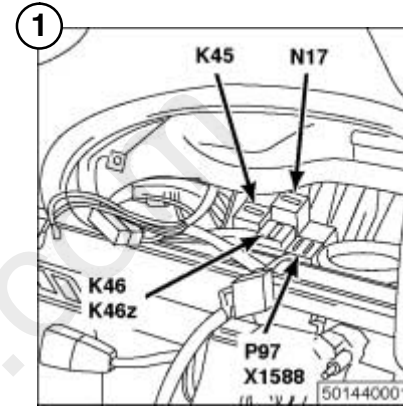


## COMPONENT LOCATION VIEWS



R11  
BLOWER  
RESISTORS

X904



K45  
FOLDING SUN-  
ROOF COMFORT  
RELAY

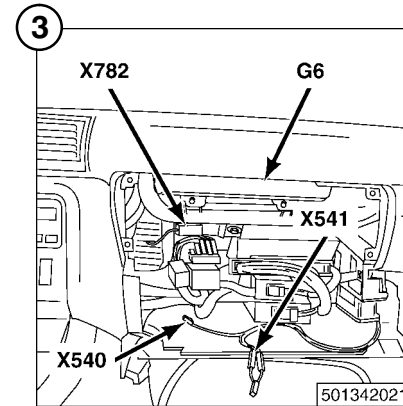
K46  
HIGH BEAM LIGHT  
RELAY

K46z  
DAY LIGHT RELAY  
MODULE

N17  
CRASH CONTROL  
MODULE

P97  
AUXILIARY FUSE  
BOX

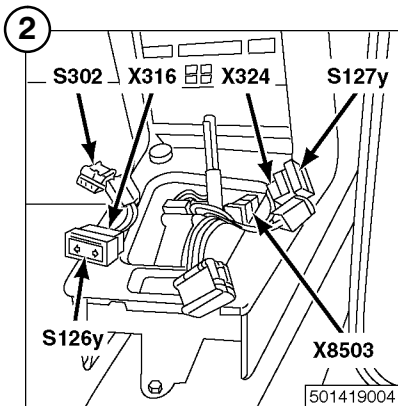
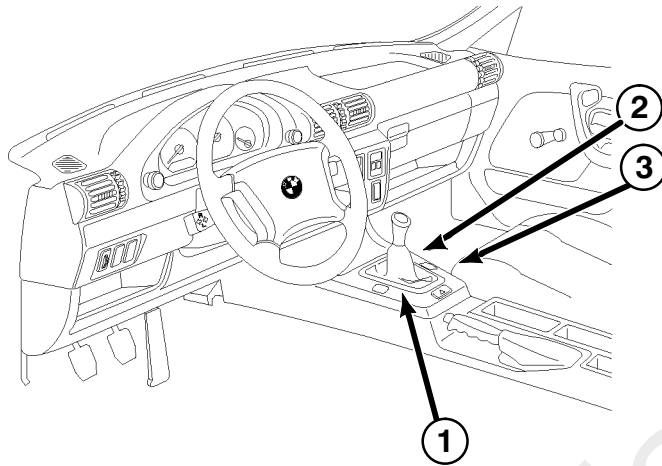
X1588



G6  
PASSENGER'S AIR  
BAG GAS  
GENERATOR

X540  
X541  
X782

## COMPONENT LOCATION VIEWS



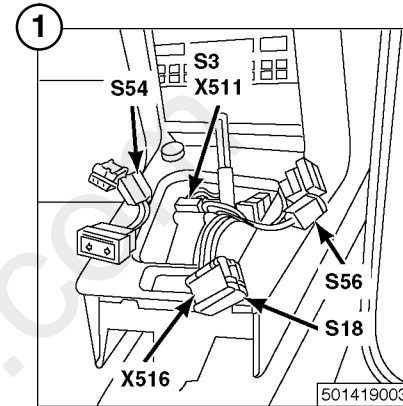
S126y  
DRIVER'S POWER  
WINDOW SWITCH

X316  
X324  
X8503

S127y  
PASSENGER'S  
POWER WINDOW  
SWITCH

S302  
CENTRAL LOCKING  
SWITCH

501419004



S3  
AUTOMATIC  
TRANSMISSION  
RANGE SWITCH

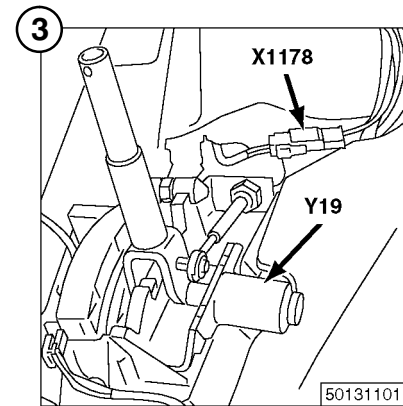
S56  
PASSENGER'S  
SEAT, SEAT  
CONTROL SWITCH

S18  
HAZARD SWITCH

X511  
X516

S54  
PASSENGER'S  
SEAT, SEAT  
HEATER SWITCH

501419003

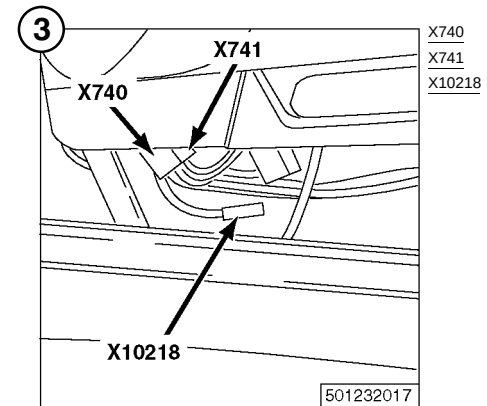
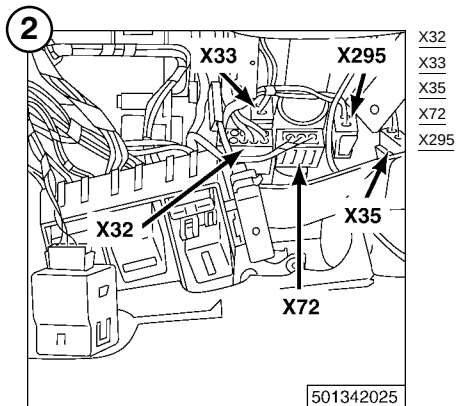
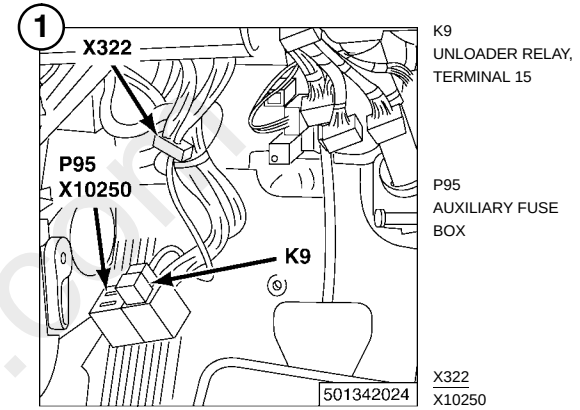
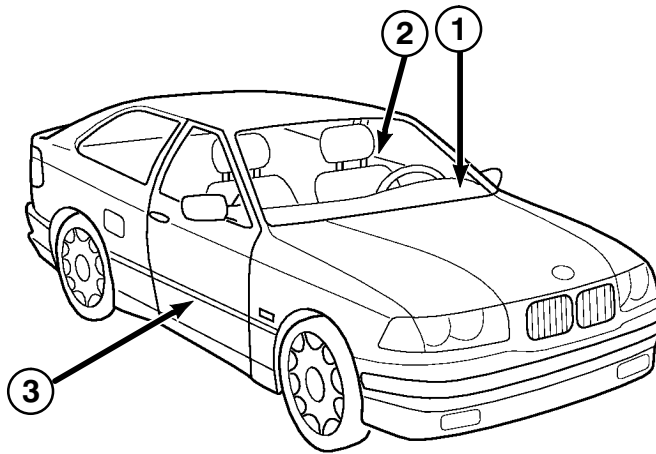


Y19  
SHIFT-LOCK

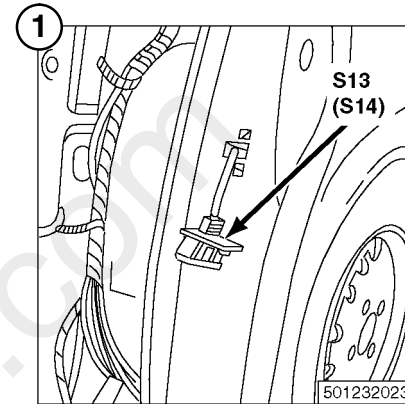
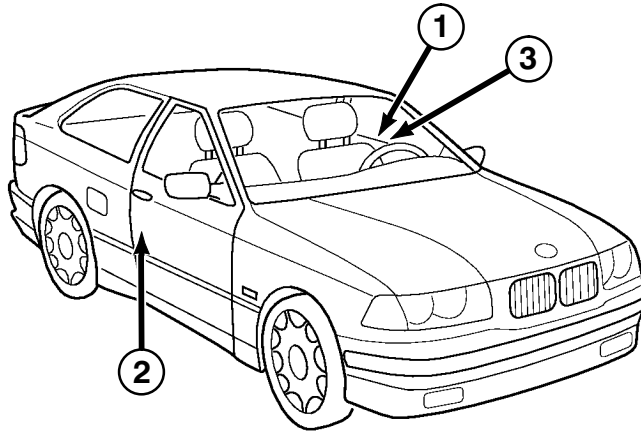
X1178

501311011

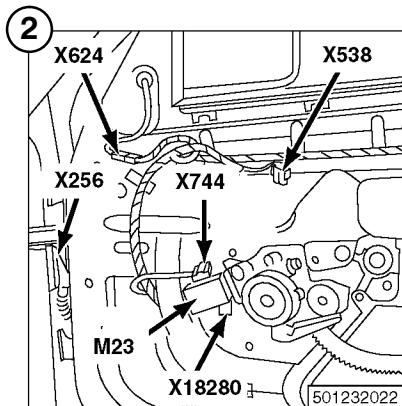
## COMPONENT LOCATION VIEWS



## COMPONENT LOCATION VIEWS

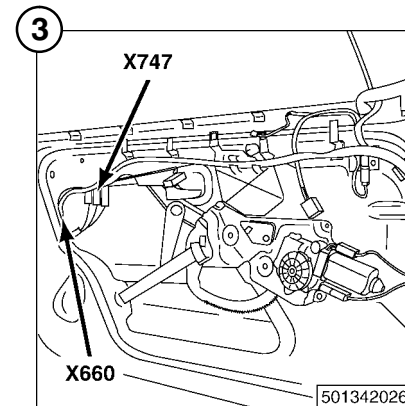


S13  
PASSENGER'S  
DOOR JAMB  
SWITCH  
  
S14  
DRIVER'S DOOR  
JAMB SWITCH



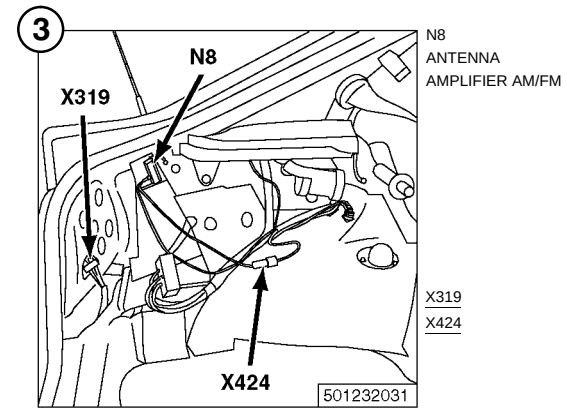
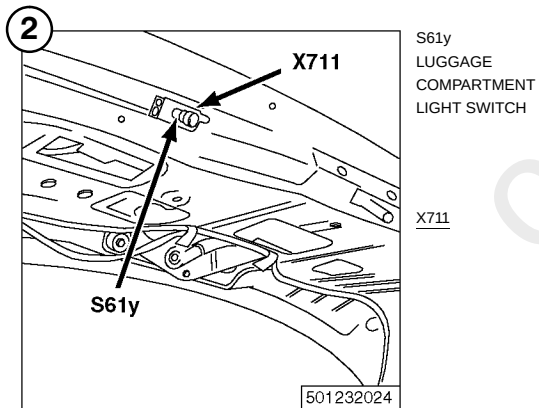
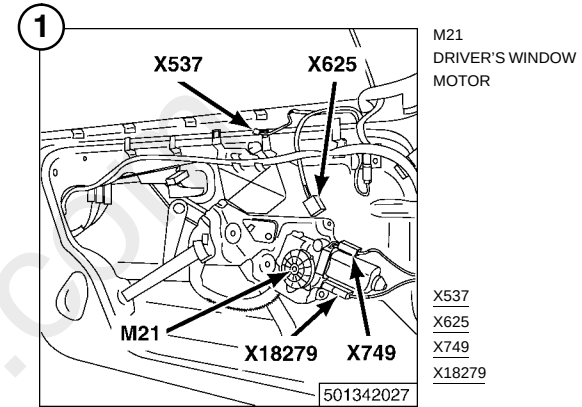
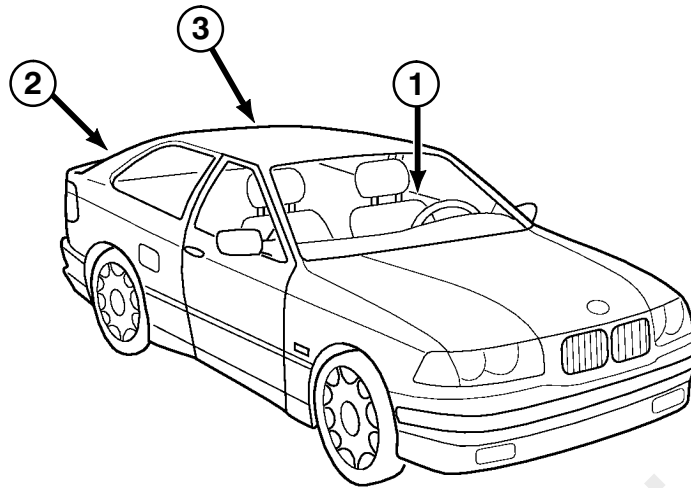
M23  
PASSENGER'S  
WINDOW MOTOR

X256  
X538  
X624  
X744  
X18280

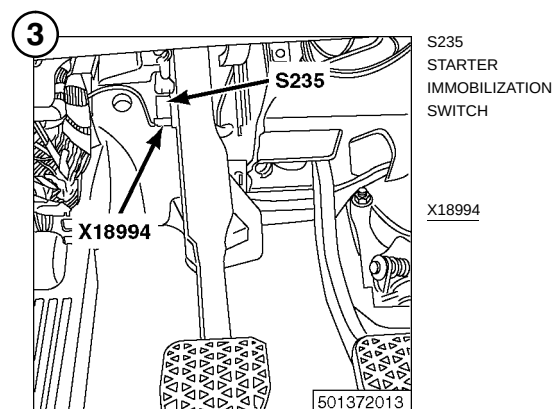
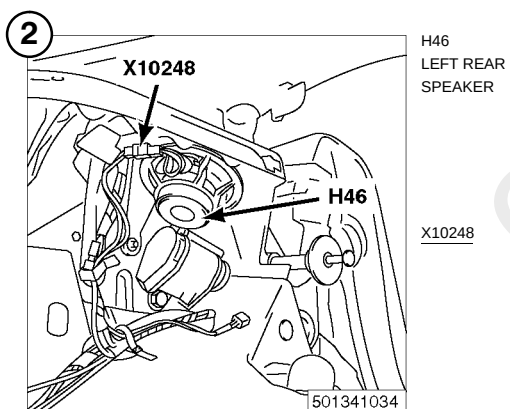
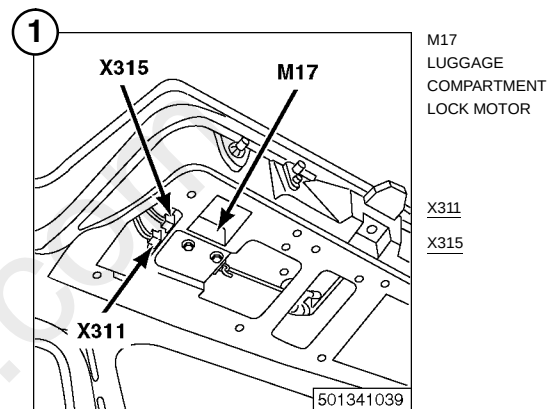
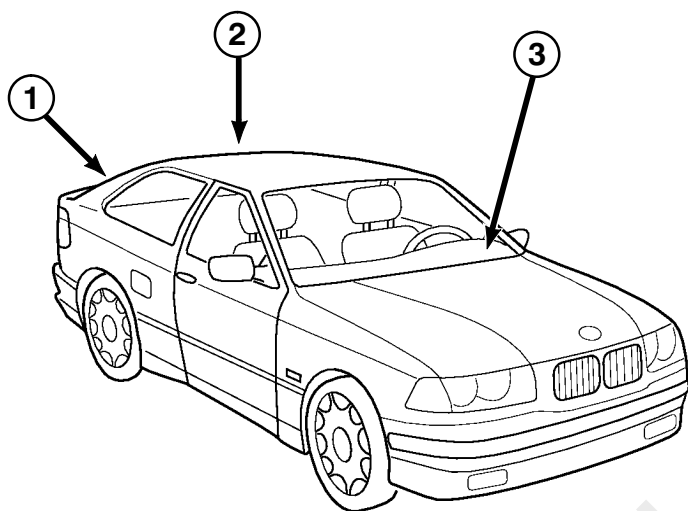


X660  
X747

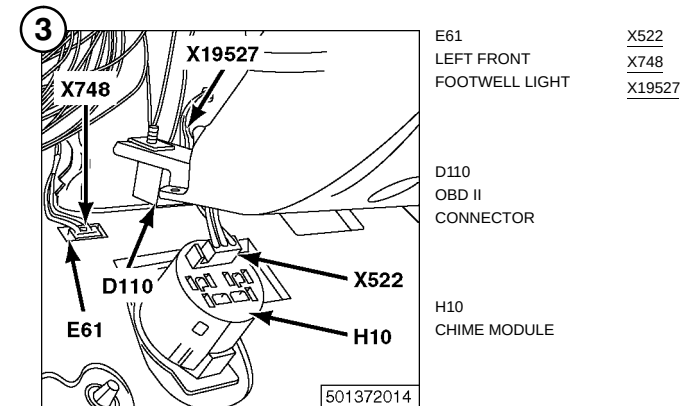
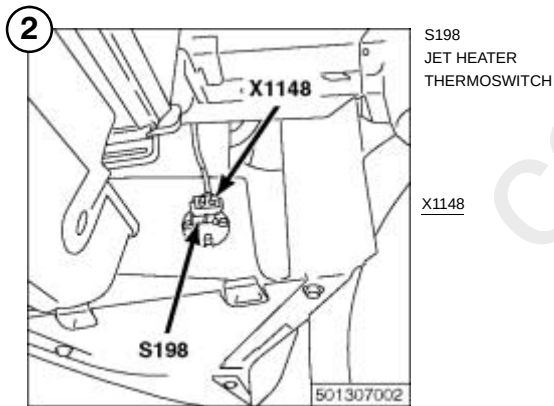
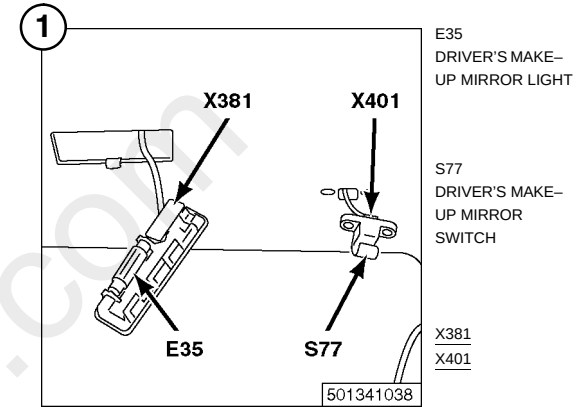
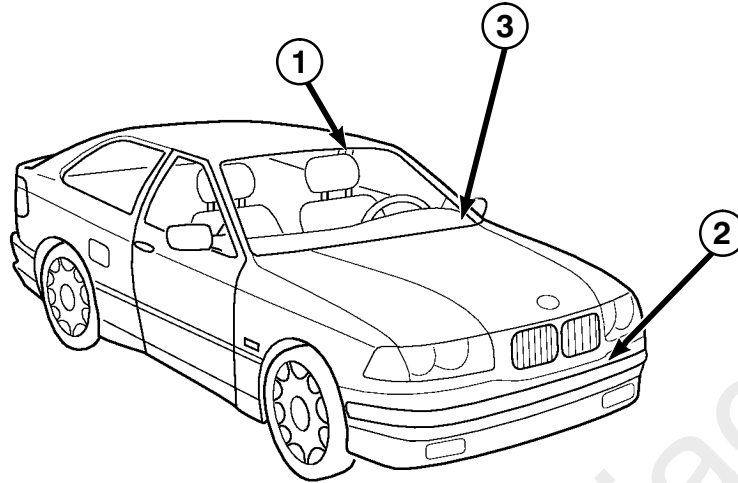
## COMPONENT LOCATION VIEWS



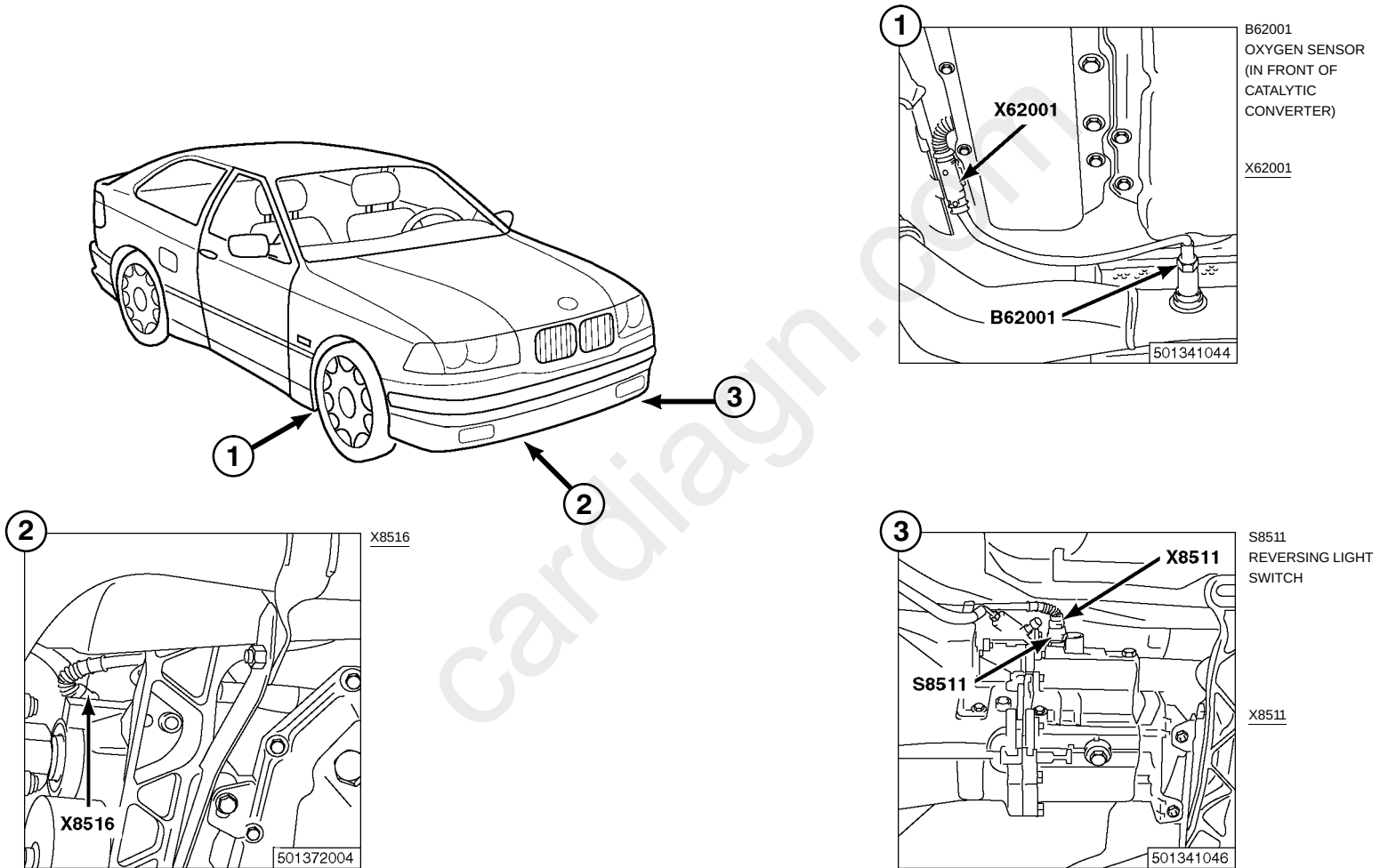
## COMPONENT LOCATION VIEWS



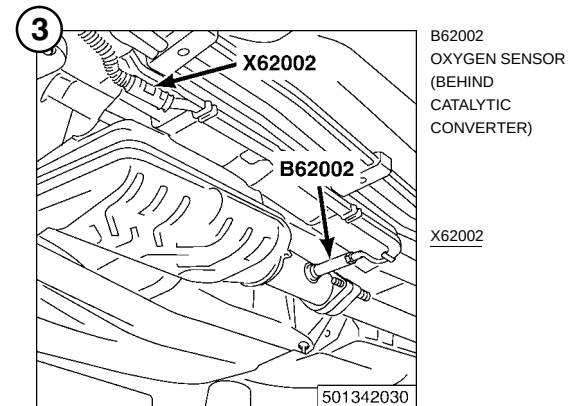
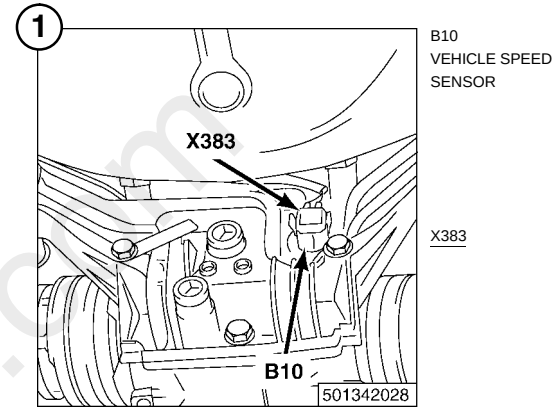
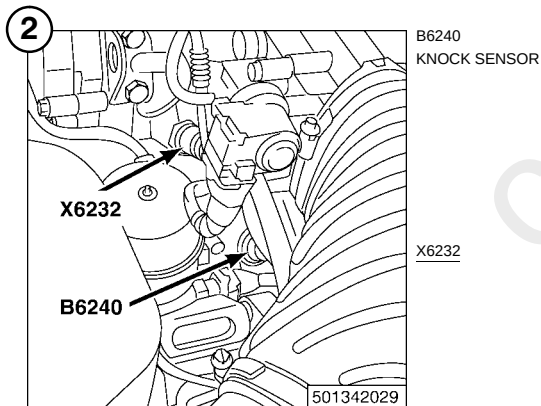
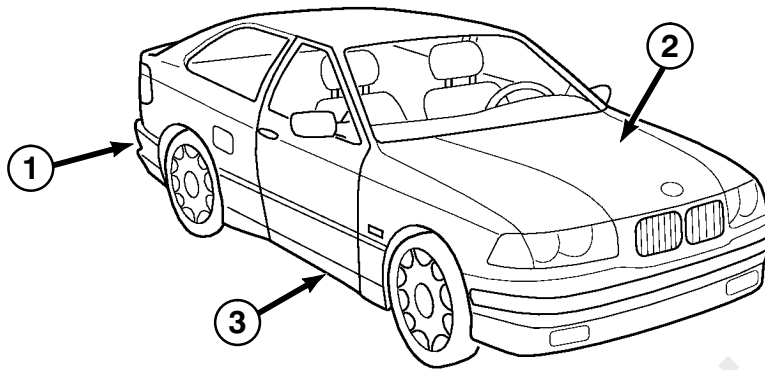
## COMPONENT LOCATION VIEWS



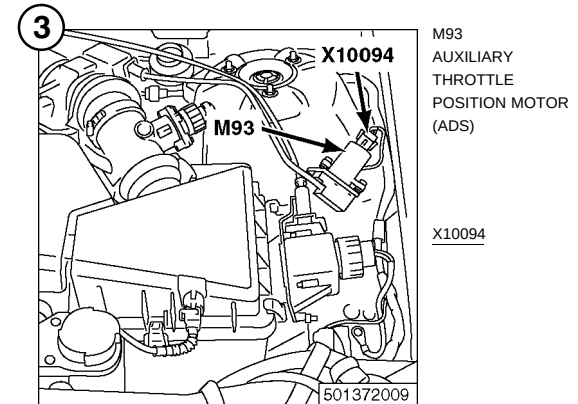
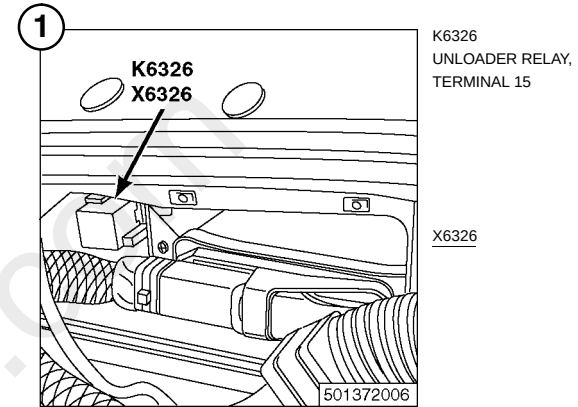
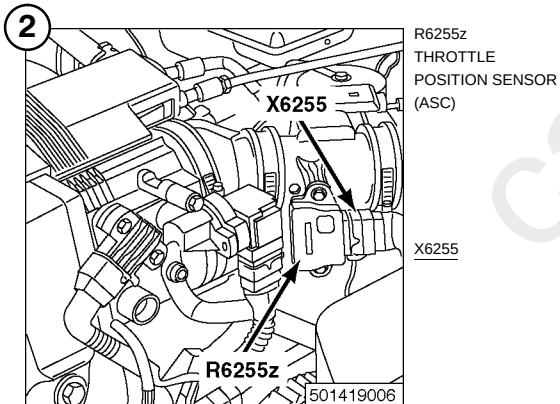
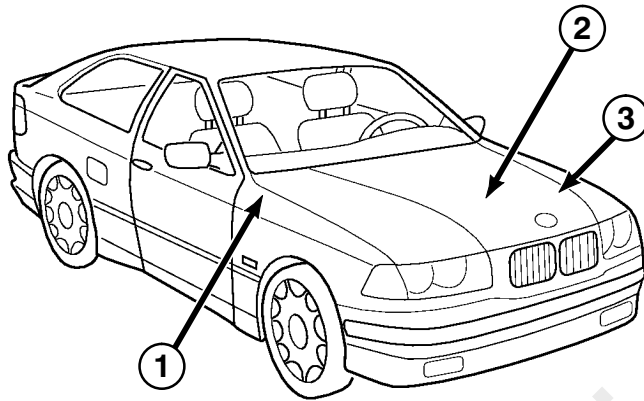
## COMPONENT LOCATION VIEWS



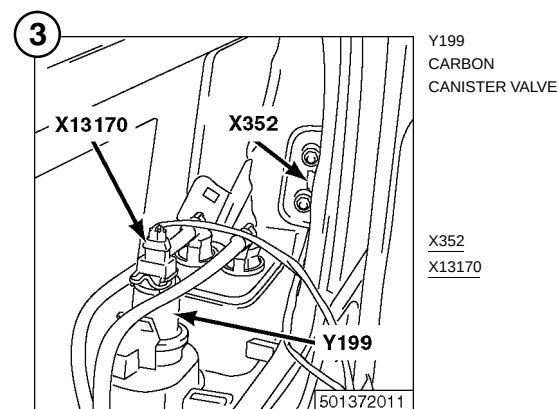
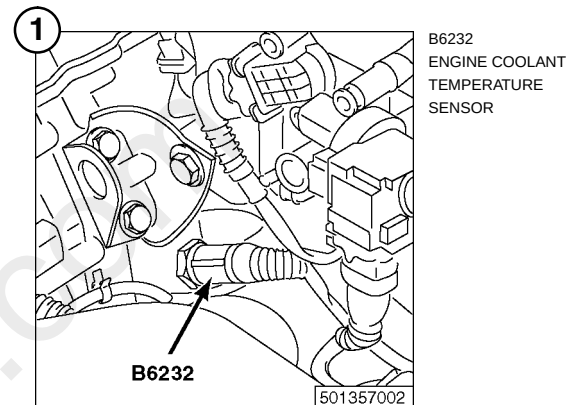
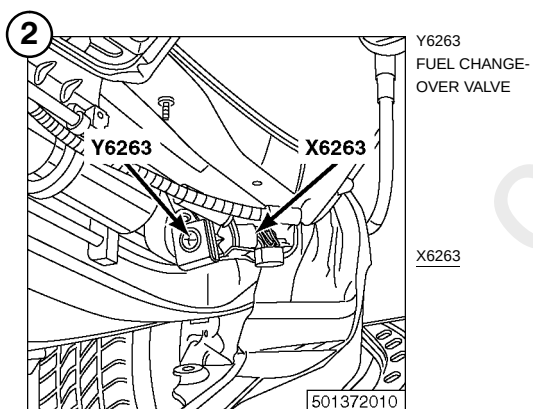
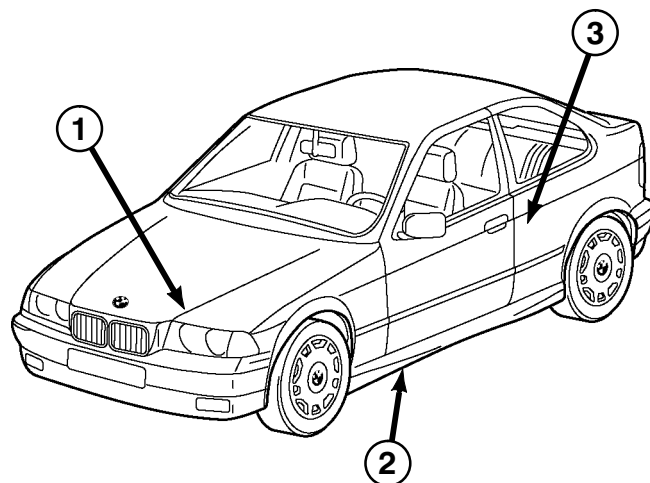
## COMPONENT LOCATION VIEWS



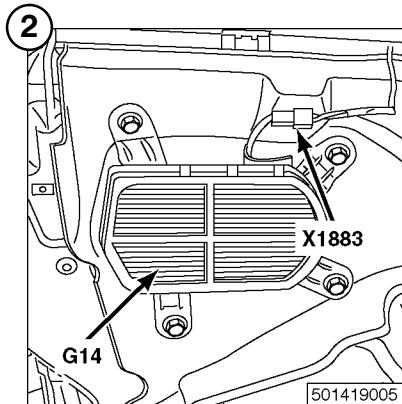
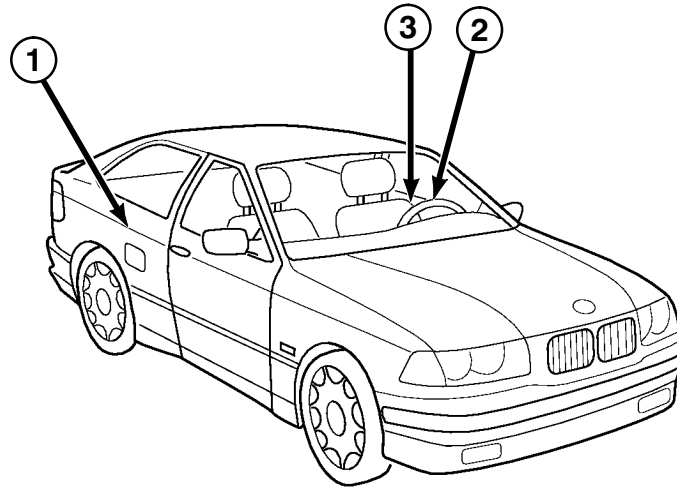
## COMPONENT LOCATION VIEWS



## COMPONENT LOCATION VIEWS

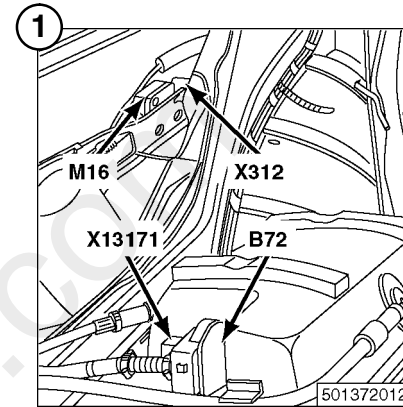


## COMPONENT LOCATION VIEWS



G14  
LEFT SIDE AIR BAG  
GAS GENERATOR

X1883

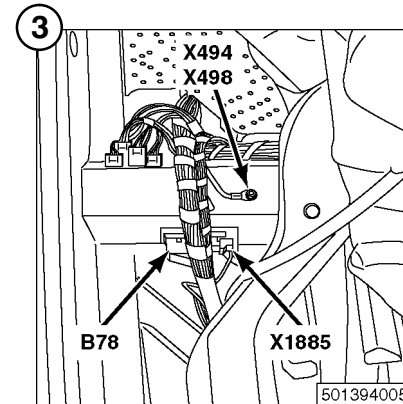


B72  
FUEL TANK  
PRESSURE  
SENSOR

M16  
GAS FILLER LOCK  
MOTOR

X312

X13171



B78  
DRIVER'S SIDE IM-  
PACT SENSOR

X1885

X494  
GROUND

X498  
GROUND



## 8000.0 SPLICE LOCATION VIEWS

| SPLICE      | HARNESS          | PAGE NUMBER | SPLICE        | HARNESS    | PAGE NUMBER |
|-------------|------------------|-------------|---------------|------------|-------------|
| X181-X276   | FRONT            | 8000.0-01   | X7845-X7846   | M44 ENGINE | 8000.0-03   |
| X428-X481   | REAR             | 8000.0-02   | X8004-X8576   | M44 ENGINE | 8000.0-03   |
| X530-X595   | FRONT            | 8000.0-01   | X10007-X10090 | FRONT      | 8000.0-01   |
| X805        | REAR             | 8000.0-02   | X10118        | REAR       | 8000.0-02   |
| X818        | IHKS             | NOT SHOWN   | X10120-X10123 | FRONT      | 8000.0-01   |
| X824-X830   | RADIO            | NOT SHOWN   | X10169        | M44 ENGINE | 8000.0-03   |
| X849        | DRIVER'S DOOR    | NOT SHOWN   | X10191-X10231 | FRONT      | 8000.0-01   |
| X876-X877   | RADIO            | NOT SHOWN   | X10233        | IHKS       | NOT SHOWN   |
| X897        | IHKS             | NOT SHOWN   | X10252        | FRONT      | 8000.0-01   |
| X906        | HS/IHKS          | NOT SHOWN   | X10269-X10310 | REAR       | 8000.0-02   |
| X942        | PASSENGER'S DOOR | NOT SHOWN   | X11264        | FRONT      | 8000.0-01   |
| X1015-X1164 | FRONT            | 8000.0-01   | X11268        | REAR       | 8000.0-02   |
| X1167       | REAR             | 8000.0-02   | X11282-X11284 | FRONT      | 8000.0-01   |
| X1168-X1192 | FRONT            | 8000.0-01   | X11291-X11380 | REAR       | 8000.0-02   |
| X1212-X1214 | REAR             | 8000.0-02   | X11381        | FRONT      | 8000.0-01   |
| X1225       | FRONT            | 8000.0-01   | X13000        | FRONT      | 8000.0-01   |
| X1226       | REAR             | 8000.0-02   | X13002-X13011 | REAR       | 8000.0-02   |
| X1233       | FRONT            | 8000.0-01   | X13021-X13115 | FRONT      | 8000.0-01   |
| X1234-1238  | REAR             | 8000.0-02   | X13118-X13173 | REAR       | 8000.0-02   |
| X1258       | FRONT            | 8000.0-01   | X13279        | IHKS       | NOT SHOWN   |
| X1263       | REAR             | 8000.0-02   | X13282        | FRONT      | 8000.0-01   |
| X1387-X1396 | REAR             | 8000.0-02   | X13289        | REAR       | 8000.0-02   |
| X1541-X1542 | FRONT            | 8000.0-01   | X13300-X13304 | FRONT      | 8000.0-01   |
| X1682-X1693 | FRONT            | 8000.0-01   | X13309        | REAR       | 8000.0-02   |
| X1896       | REAR             | 8000.0-02   | X13311-X13313 | FRONT      | 8000.0-01   |
| X6410-X6411 | M44 ENGINE       | 8000.0-03   | X16809-X17319 | RADIO      | NOT SHOWN   |
| X6460-X6492 | M44 ENGINE       | 8000.0-03   | X18165        | FRONT      | 8000.0-01   |
| X6820-X6900 | M44 ENGINE       | 8000.0-03   | X18782        | HS         | NOT SHOWN   |



## SPLICE LOCATION VIEWS

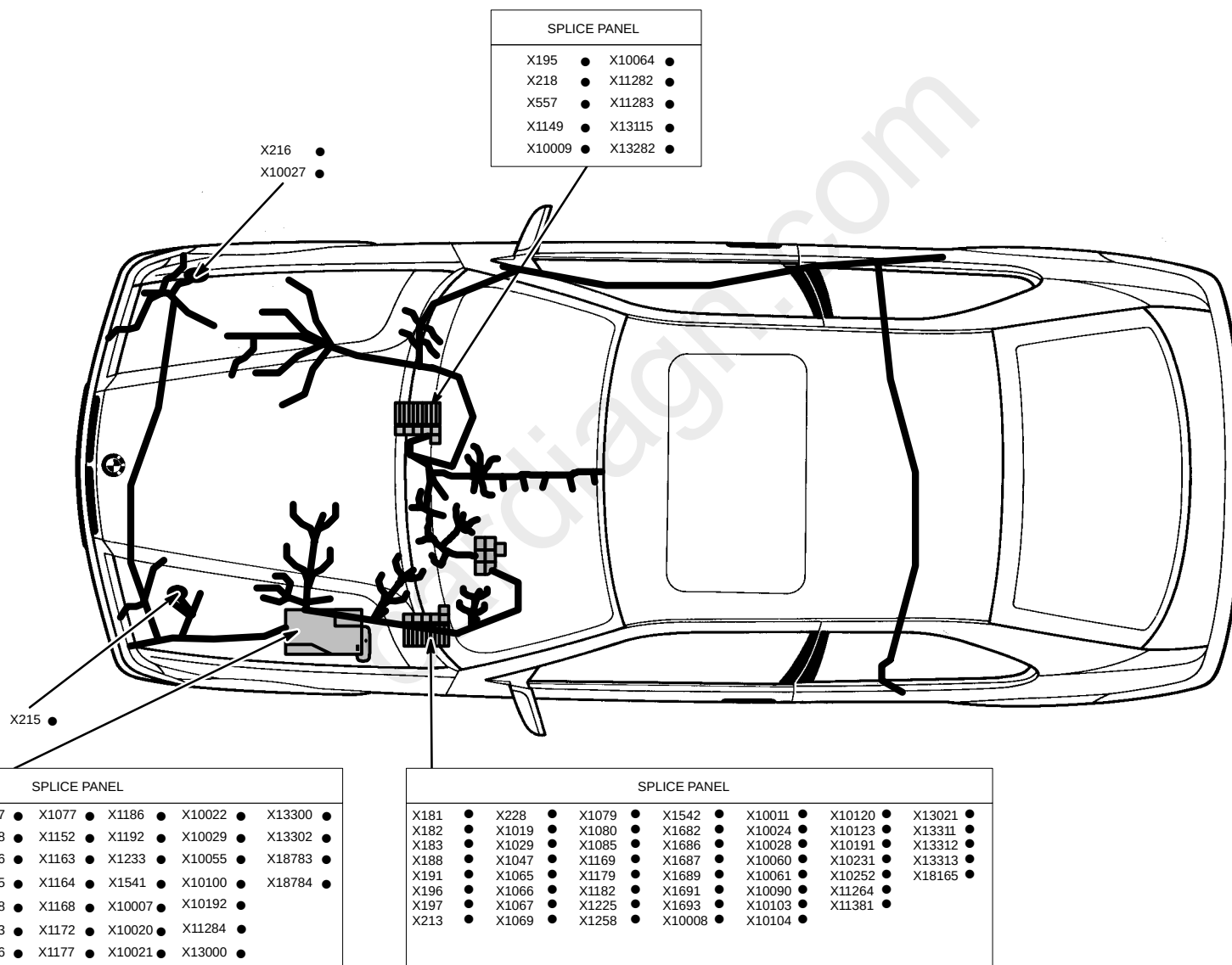
---

| SPLICE        | HARNESS           | PAGE NUMBER |
|---------------|-------------------|-------------|
| X18783-X18784 | ..... FRONT ..... | 8000.0-01   |
| X19513        | ..... RADIO ..... | NOT SHOWN   |

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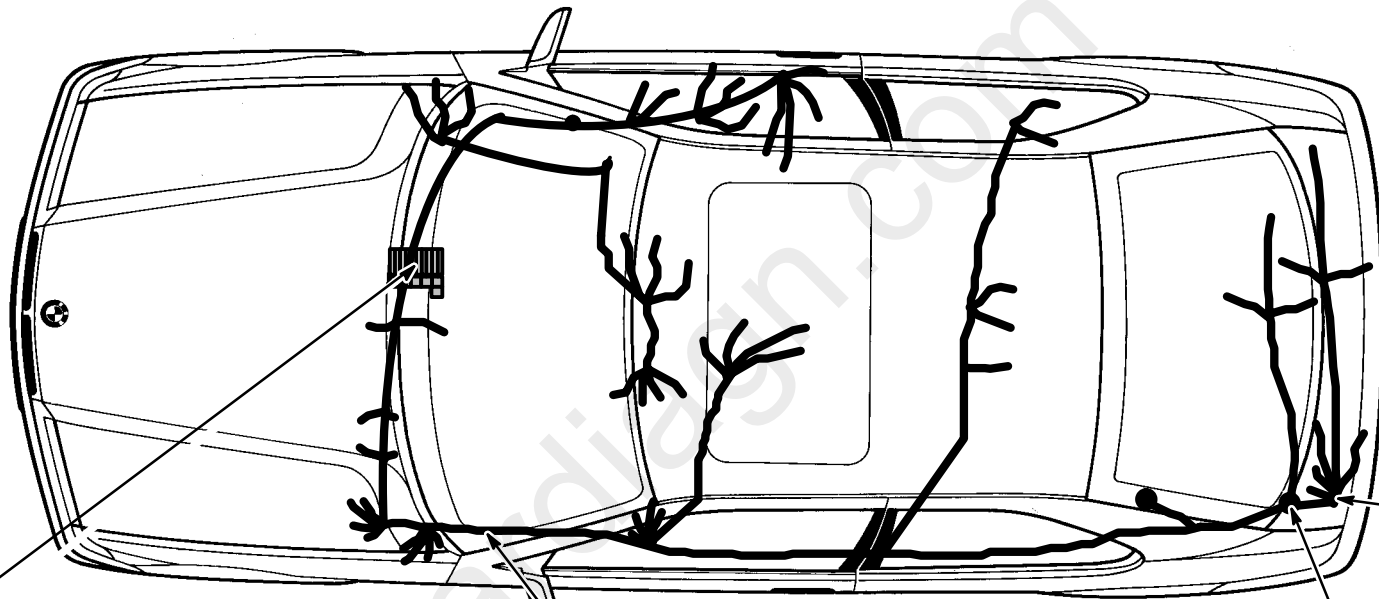
# SPLICE LOCATION VIEWS

## FRONT HARNESS



# SPLICE LOCATION VIEWS

## REAR HARNESS



SPLICE PANEL

|      |   |       |   |        |   |        |   |        |   |        |   |
|------|---|-------|---|--------|---|--------|---|--------|---|--------|---|
| X441 | • | X455  | • | X1236  | • | X10269 | • | X13003 | • | X13168 | • |
| X442 | • | X456  | • | X1237  | • | X10308 | • | X13005 | • | X13173 | • |
| X443 | • | X460  | • | X1238  | • | X10309 | • | X13010 | • | X13289 | • |
| X444 | • | X462  | • | X1263  | • | X10310 | • | X13011 | • | X13309 | • |
| X445 | • | X475  | • | X1387  | • | X11269 | • | X13118 | • |        |   |
| X449 | • | X481  | • | X1396  | • | X11291 | • | X13127 | • |        |   |
| X450 | • | X1212 | • | X1896  | • | X11380 | • | X13129 | • |        |   |
| X453 | • | X1235 | • | X10118 | • | X13002 | • | X13132 | • |        |   |
| X454 | • |       |   |        |   |        |   |        |   |        |   |

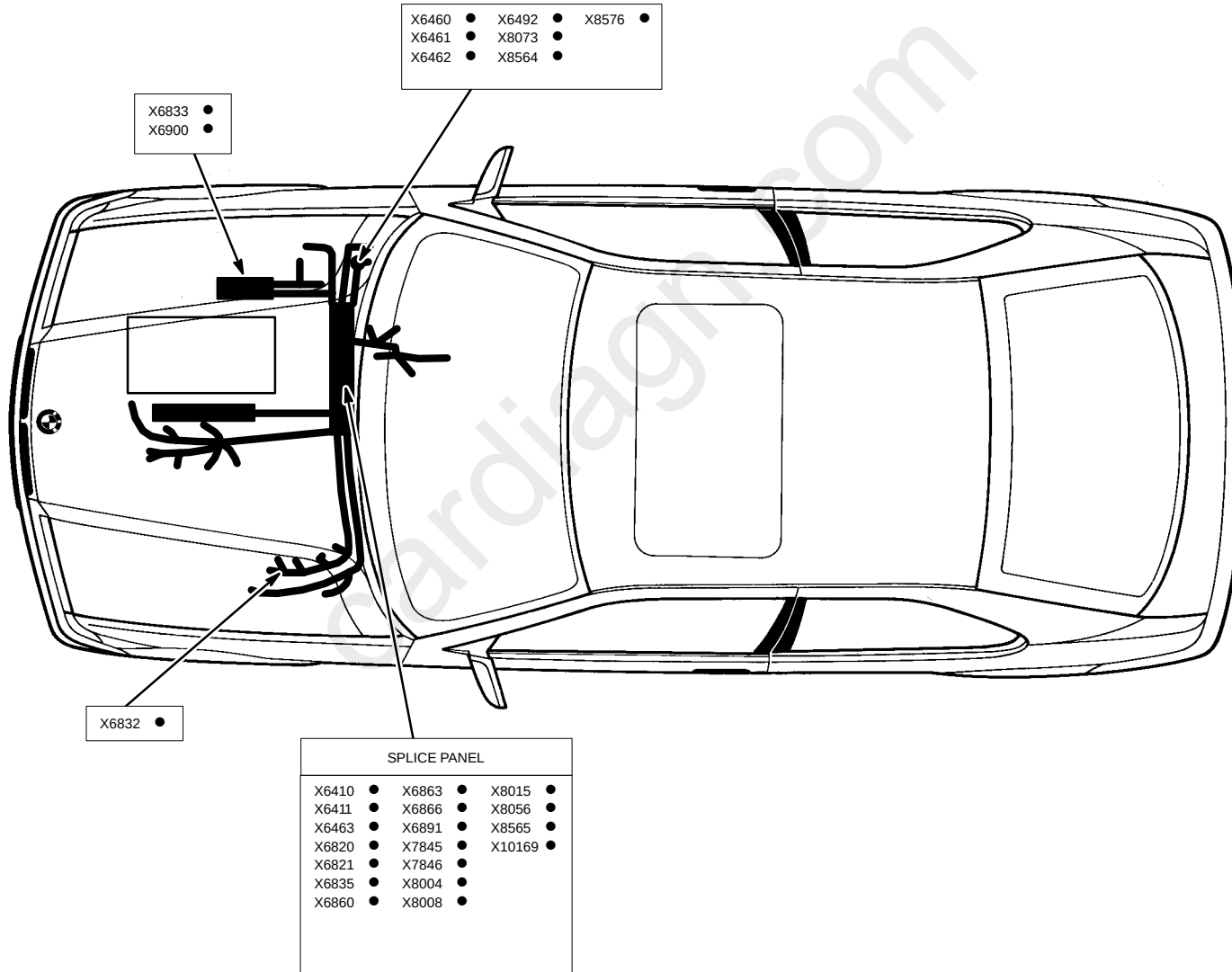
X805 •  
X1167 •  
X1214 •  
X1234 •

X428 •  
X461 •  
X11268 •

X1226 •  
X13007 •

# SPLICE LOCATION VIEWS

## ENGINE HARNESS



8500.0 CONNECTOR VIEWS

FIG. 1

B200003.02

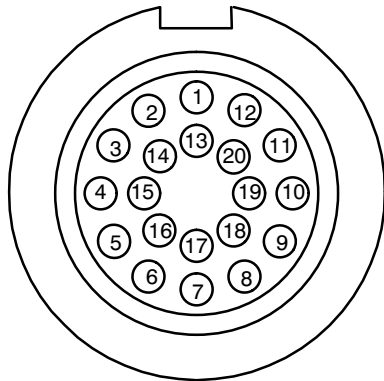


FIG. 2

B260005.01

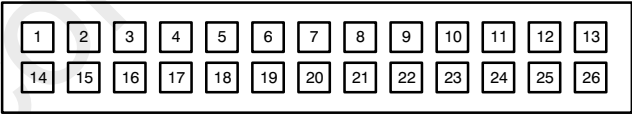


FIG. 3

B150003.00

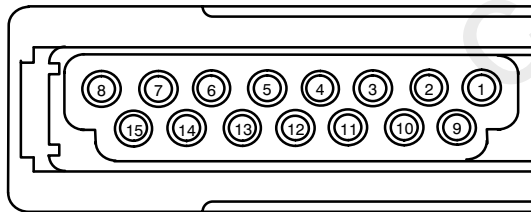
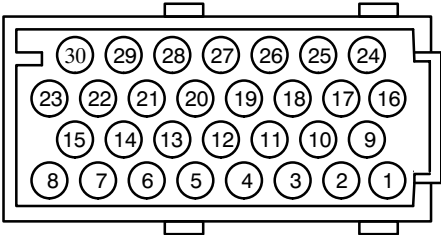


FIG. 4

B300001.00



## CONNECTOR VIEWS

FIG. 1

B030024

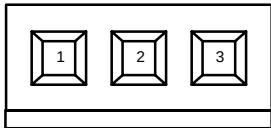


FIG. 2

B060042

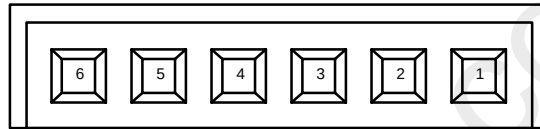


FIG. 3

B120001.00

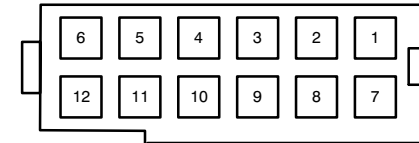


FIG. 4

B080002.00

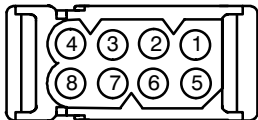


FIG. 5

B180000.00

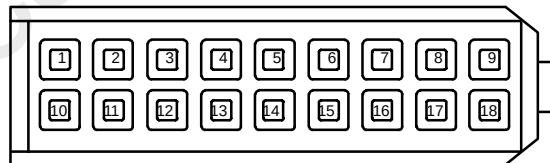
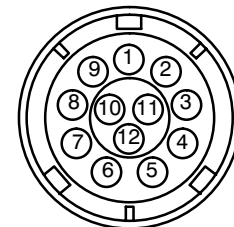


FIG. 6

B120015



# CONNECTOR VIEWS

FIG. 1

B060046.00

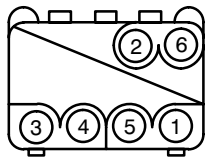


FIG. 2

B170001.00

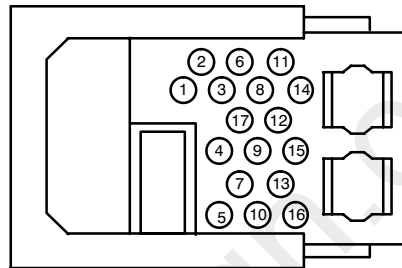


FIG. 3

B100008.00

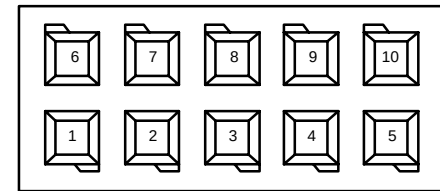


FIG. 4

B120004.01

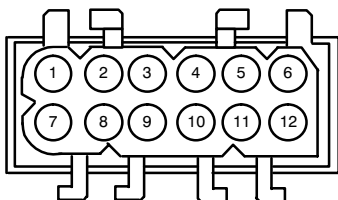


FIG. 5

B050005.00

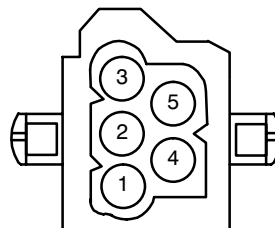
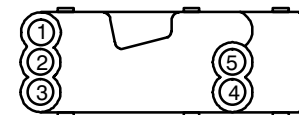


FIG. 6

B050003.00



## CONNECTOR VIEWS

FIG. 1

B040004.00

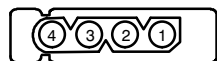


FIG. 2

B030018.02

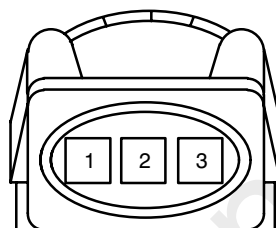


FIG. 3

B080001.00

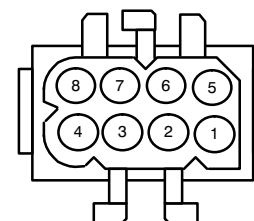


FIG. 4

B090002.00

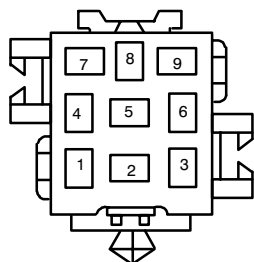


FIG. 5

B210002.00

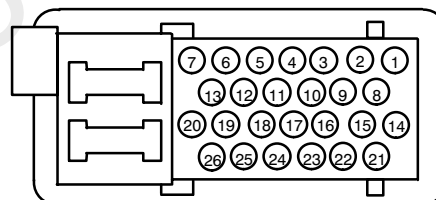
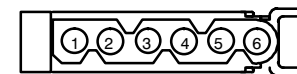


FIG. 6

B060001.02



CONNECTOR VIEWS

FIG. 1

B500000.00

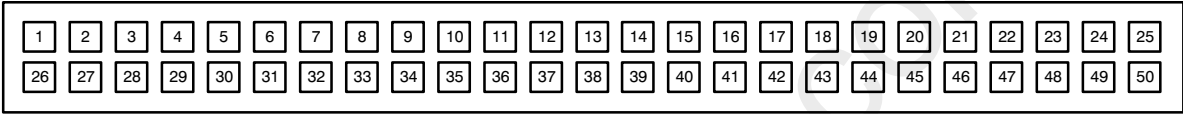


FIG. 2

B250001.01

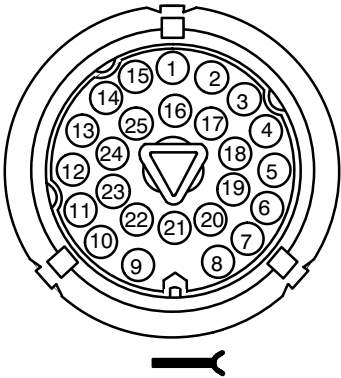


FIG. 3

B060019.02

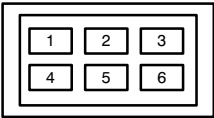
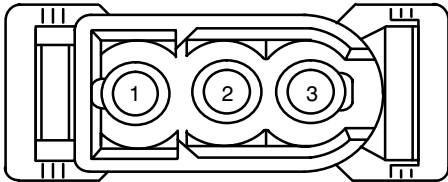


FIG. 4

B030029.00



CONNECTOR VIEWS

FIG. 1

B880001.00

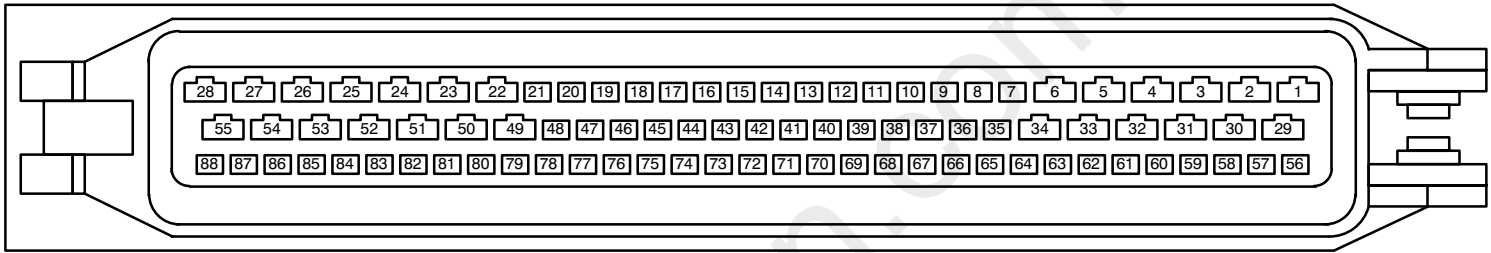


FIG. 2

B070013.00

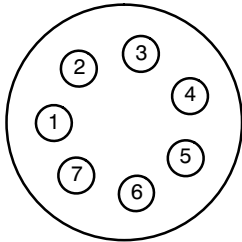


FIG. 3

B030006.00

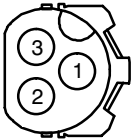
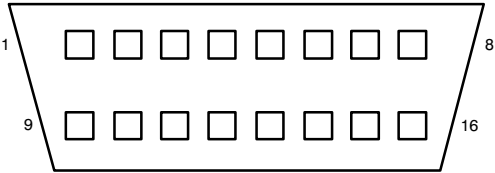


FIG. 4

B160002.00



## CONNECTOR VIEWS

FIG. 1

B040023.03

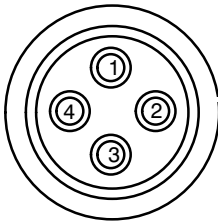


FIG. 2

B030003.02



FIG. 3

B040029.01

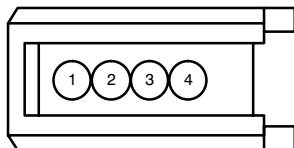


FIG. 4

B030025.00

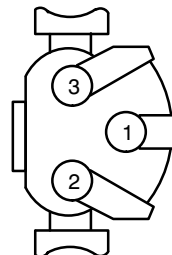
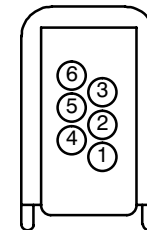


FIG. 5

B060041.00



CONNECTOR VIEWS

FIG. 1

B040026

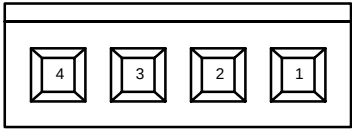


FIG. 2

B030036.01

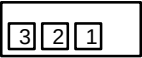
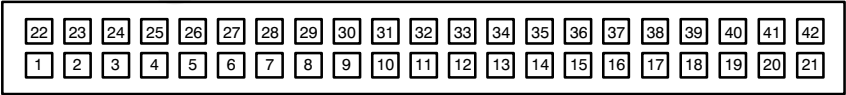


FIG. 3

B420000.00



CONNECTOR VIEWS

FIG. 1

B040027.00

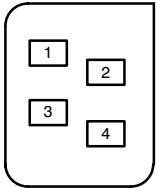


FIG. 2

B070012.00

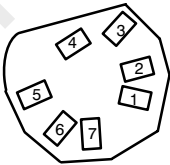


FIG. 3

B120002.02

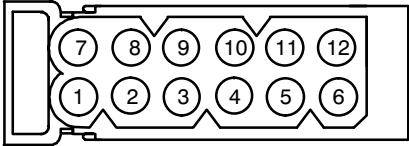


FIG. 4

B070005.00

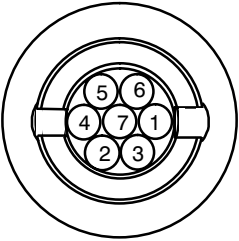
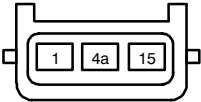


FIG. 5

B030015.08



## CONNECTOR VIEWS

FIG. 1

B030042.00

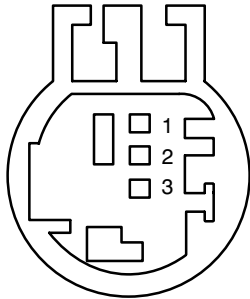


FIG. 2

B030022.00

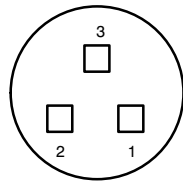


FIG. 3

B120006.00

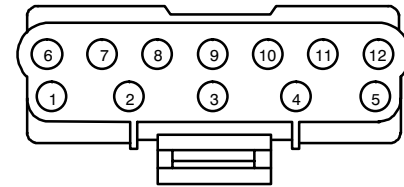


FIG. 4

B030004.01

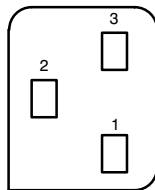


FIG. 5

B160001.00

