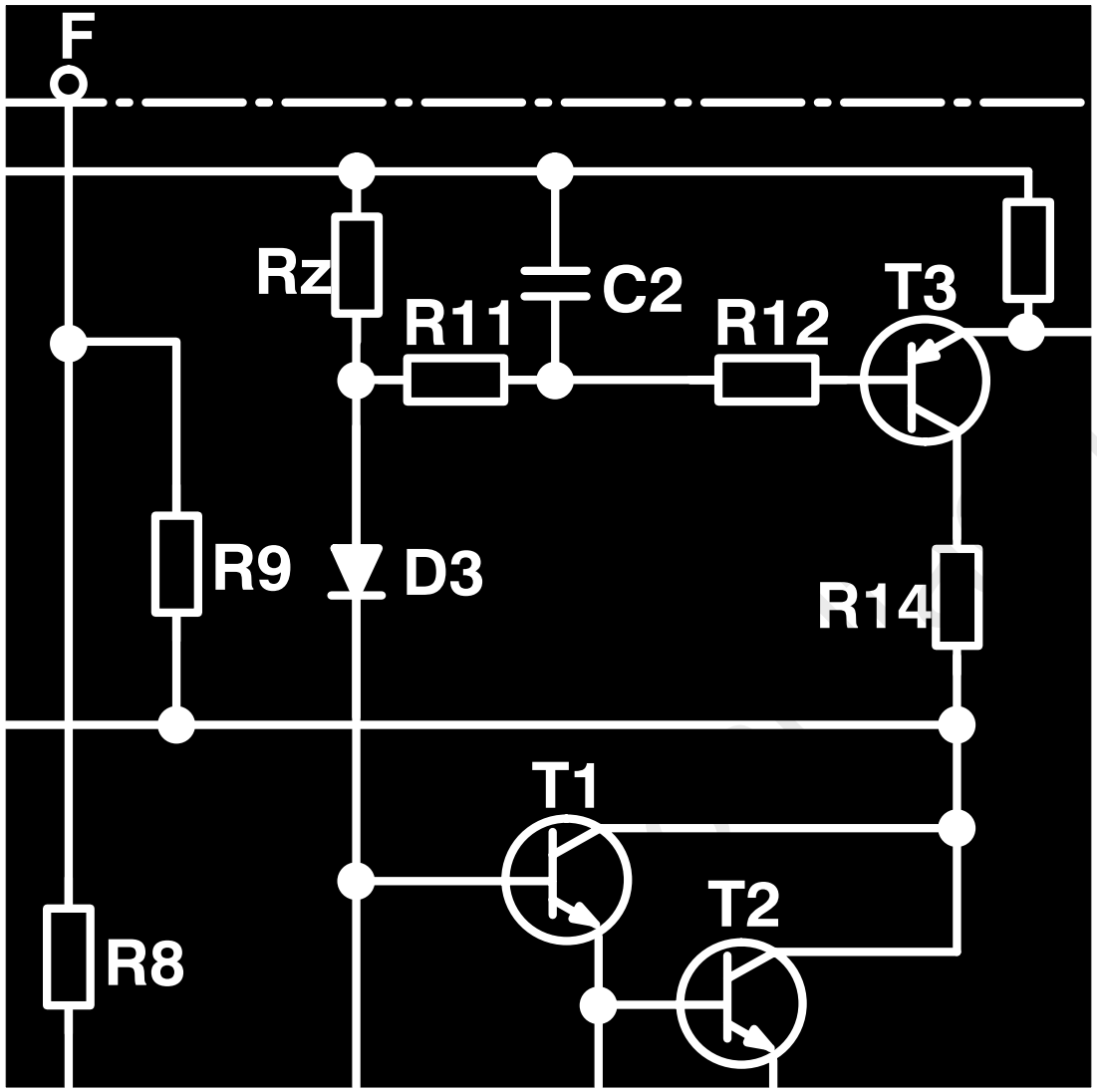


2000

BMW Z3 (E36/7) Z3 Roadster, Z3 Coupe, M Roadster, M Coupe

Electrical Troubleshooting Manual

Vehicles produced 4/99 thru Present

PN 01 00 0 007 955

BMW NA

ELECTRICAL TROUBLESHOOTING MANUAL

SERIES 3 – E36/7 (Z3 Roadster, Z3 Coupe, M Roadster, and M Coupe)

SCHEMATICS MODEL YEAR 1999

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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.

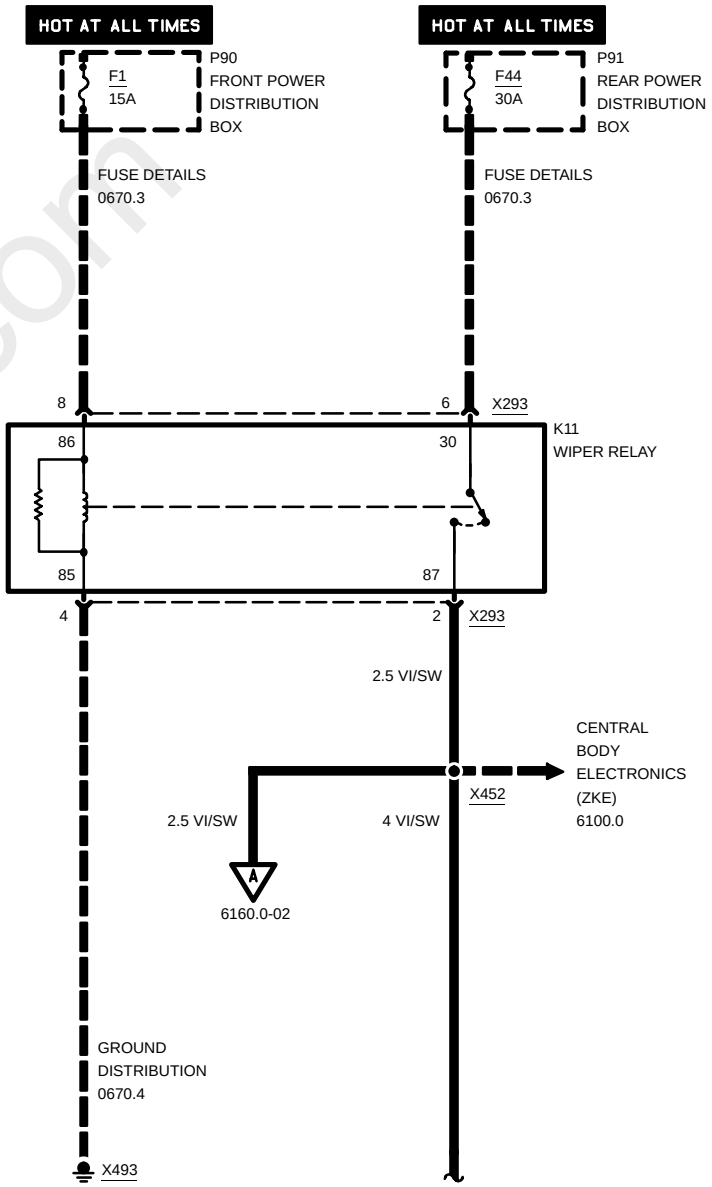
All circuit symbols used are listed and explained in cell **0140.0 Symbols**.

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.

Example

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



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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.

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0140.0 SYMBOLS


BATTERY


FUSE DETAILS

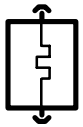

FUSIBLE LINK


CIRCUIT BREAKER


THERMO SWITCH

SOLENOID


SOLENOID CONTROLLED VALVE OR CLUTCH SOLENOID


HEATING ELEMENT


LOUDSPEAKER OR HORN


LIGHT


PERMANENT MAGNET MOTOR ONE SPEED


PERMANENT MAGNET MOTOR TWO SPEEDS


KNOCK SENSOR


VARIABLE RESISTANCE SENSOR VARIABLE CONTACT IS MOVED BY AN EXTERNAL FORCE


VARIABLE RESISTOR RESISTANCE IS CHANGED BY TEMPERATURE OR PRESSURE


DIODE CURRENT CAN FLOW ONLY IN DIRECTION OF ARROW


ZENER DIODE TO REGULATE VOLTAGE


LIGHT EMITTING DIODE


OXYGEN SENSOR


ANTENNA


CONTROL/POWER ELECTRONICS


HALL EFFECT SENSOR


RADIO



TRANSISTORIZED SWITCH



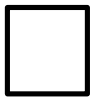
INDUCTIVE SENSOR



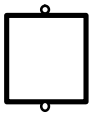
VEHICLE SPEED SENSOR

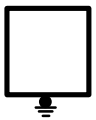
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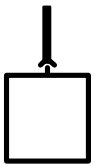
SYMBOLS

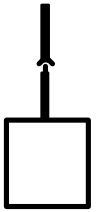

ENTIRE COMPONENT SHOWN

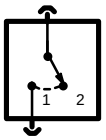

PART OF COMPONENT SHOWN


COMPONENT WITH SCREW TERMINALS

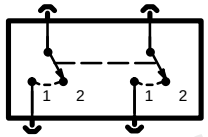

COMPONENT CASE ATTACHED DIRECTLY TO METAL PART OF CAR (GROUNDED)


CONNECTOR ATTACHED TO COMPONENT


CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)



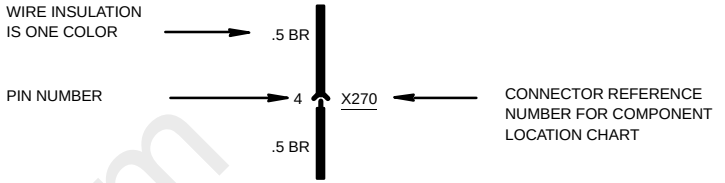
ONE POLE, TWO POSITION SWITCH



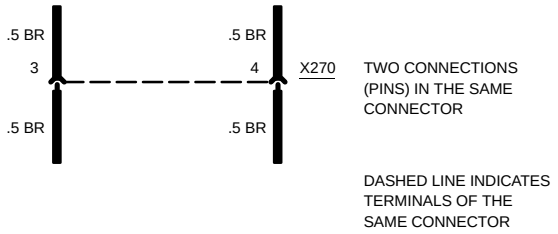
SWITCHES THAT MOVE TOGETHER

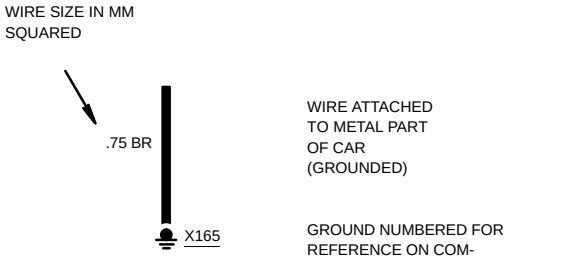
DASHED LINE SHOWS A MECHANICAL CONNECTION BETWEEN SWITCHES

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



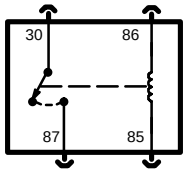




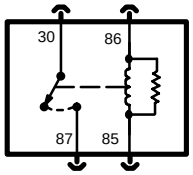


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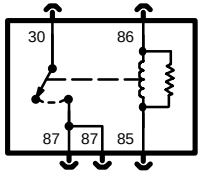
SYMBOLS



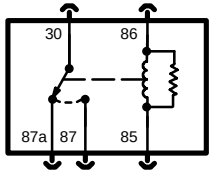
CONTACT RELAY



RELAY WITH RESISTOR ACROSS WINDING

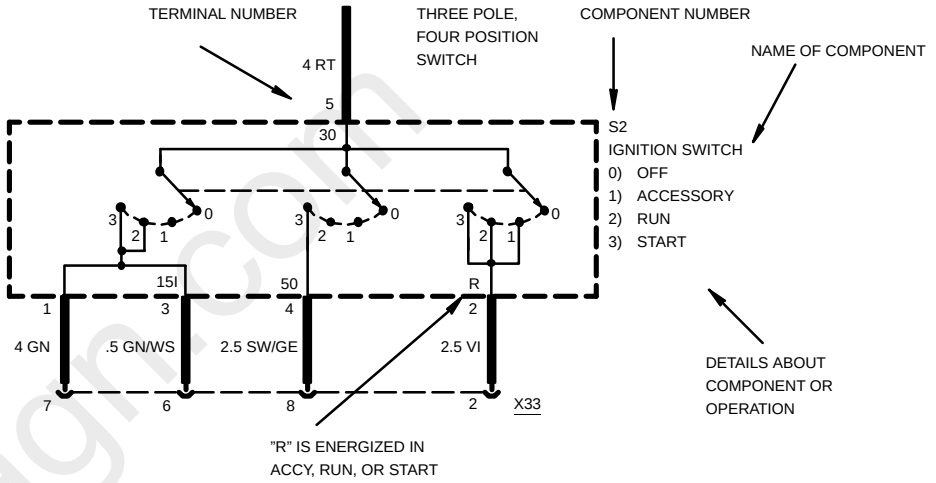


CONTACT RELAY WITH TWO OUTPUTS

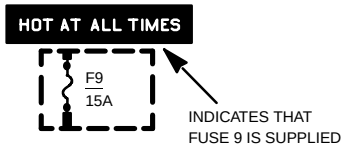


CHANGEOVER RELAY WITH TWO OUTPUTS

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



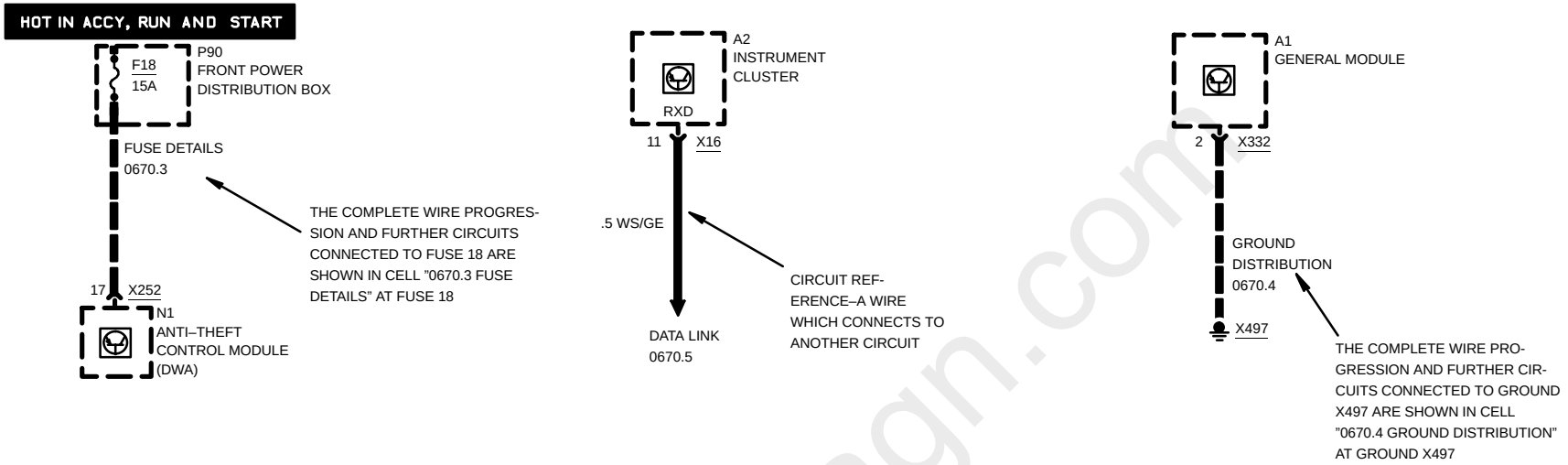
TERMINAL NUMBER	DESCRIPTION	TERMINAL NUMBER	DESCRIPTION
50	VOLTAGE: IGNITION SWITCH IN START	15I	VOLTAGE: IGNITION SWITCH IN RUN
30	VOLTAGE: SUPPLIED AT ALL TIMES	R	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START
15	VOLTAGE: IGNITION SWITCH IN RUN OR START	31	GROUND

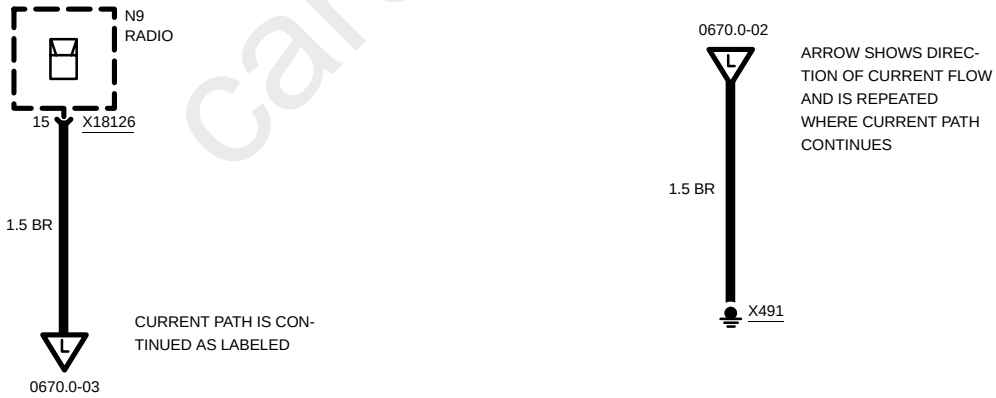


POWER STATUS	DESCRIPTION
HOT AT ALL TIMES	VOLTAGE: SUPPLIED AT ALL TIMES
HOT IN RUN AND START	VOLTAGE: IGNITION SWITCH IN RUN OR START
HOT IN ACCY, RUN AND START	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START

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SYMBOLS

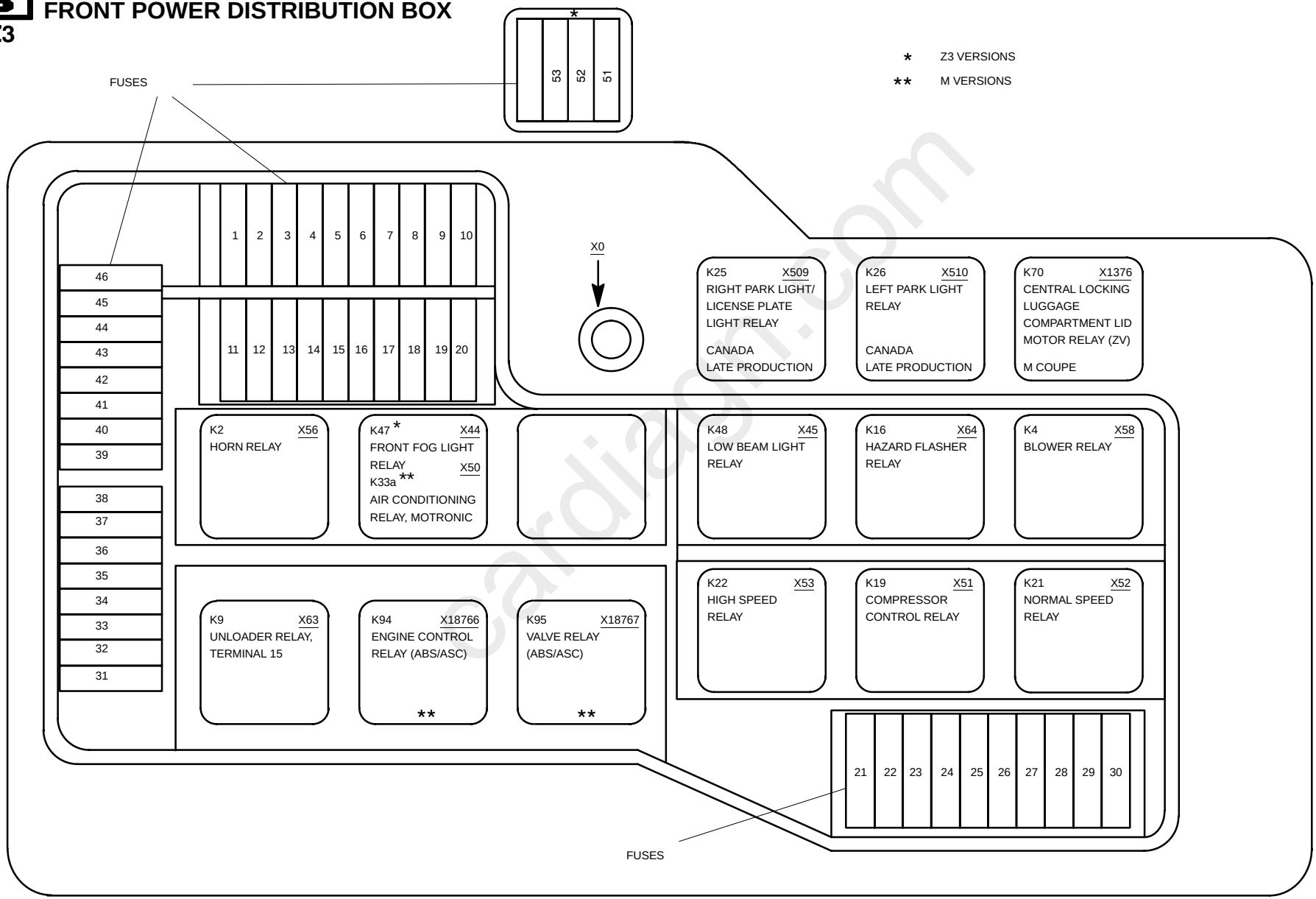




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0670.0 POWER DISTRIBUTION CHART

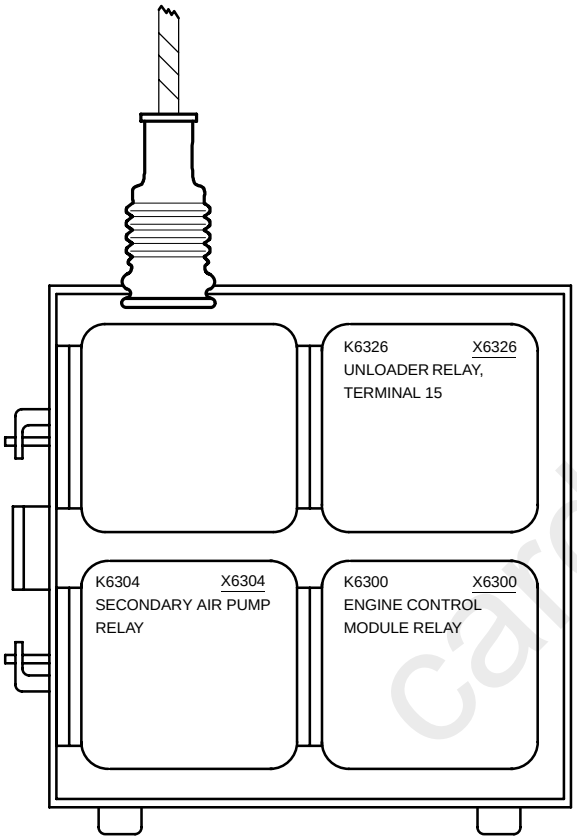
FRONT POWER DISTRIBUTION BOX



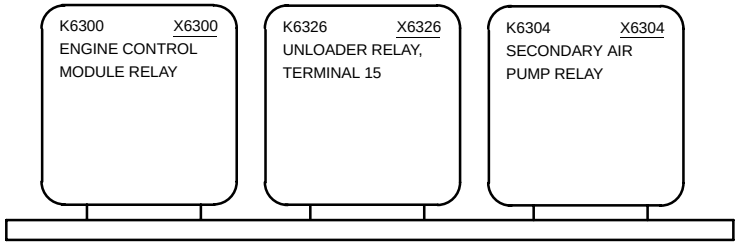
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POWER DISTRIBUTION CHART

IN E–BOX



M VERSIONS



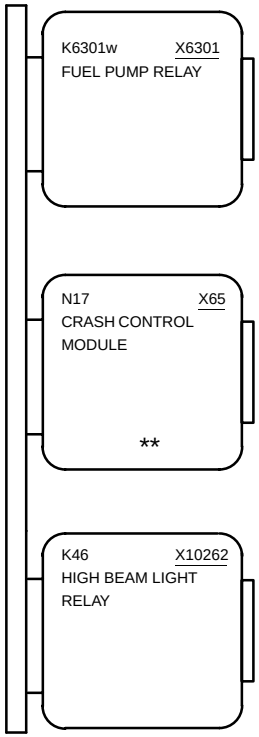
Z3 VERSIONS

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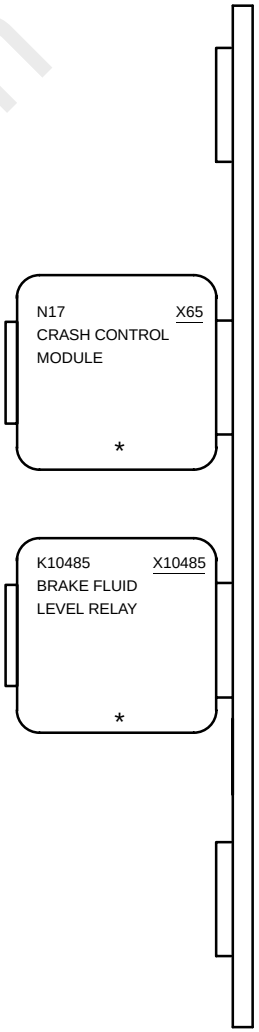
POWER DISTRIBUTION CHART

RELAY PANEL UNDER DASHBOARD

LH SIDE



RH SIDE



* Z3 VERSIONS EARLY PRODUCTION

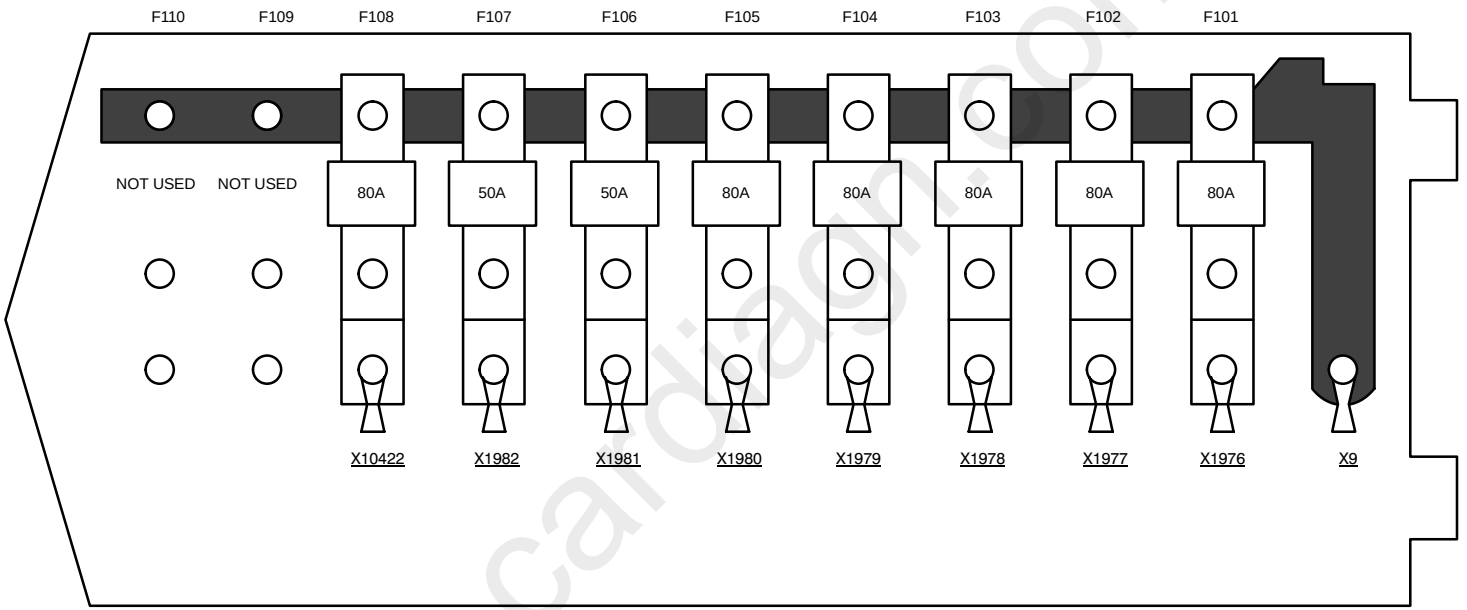
** M VERSIONS AND Z3 VERSIONS LATE PRODUCTION

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POWER DISTRIBUTION CHART

B+ JUNCTION POINT UNDER LH SIDE OF DASHBOARD

Z3 VERSIONS



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BMW 3 Z3

0670.1 FUSE CHART

FUSES 1 TO 29

* M VERSIONS

		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	*15A 10A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	*5A 7.5A	30A	10A	5A		15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
1210.17	ENGINE CONTROL SYSTEM MS41.1 (6–CYLINDER S52)													●			●		●											
1210.25	ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)													●			●		●								●	●		
1230.0	CHARGING SYSTEM																										●	●		
1240.0	START																												●	
1290.0	E–BOX FAN																										●			
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)																										●		●	
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)																											●		
3450.1	SLIP CONTROL (ABS/ASC)										●			●								●						●		
3452.1	DYNAMIC STABILITY CONTROL (DSC III)							●														●						●		
3614.0	TIRE INFLATION SYSTEM																													
5116.0	POWER MIRRORS																								●					
5126.0	ZKE CENTRAL LOCKING (ZV)							●																						
5133.0	ZKE POWER WINDOWS (FH)														●															
5200.0	POWER SEATS					●														●										
5203.0	HEATED SEATS				●																									
5410.5	POWER TILT SUNROOF																													
5430.2	ELECTRO–HYDRAULIC CONVERTIBLE TOP	●																												
6100.0	CENTRAL BODY ELECTRONICS (ZKE IV)		●												●															
6133.0	HORN								●																					
6135.1	DRIVE–AWAY PROTECTION (EWS III)																												●	
6160.1	WIPER/WASHER MODULE (WWM)	●		●																										

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BMW 3 Z3

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**
* M VERSIONS		30A	*15A 10A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	*5A 7.5A	30A	10A	5A		15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
6167.1	HEADLIGHT WASHER (SRA)			●																										
6169.0	WINDSHIELD WASHER JET HEATERS																								●					
6211.0	INSTRUMENT CLUSTER				●			●																●			●	●		
6213.1	ANALOG CLOCK																													
6213.3	DIGITAL CLOCK																													
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											●	●													●				
6424.0	REAR WINDOW DEFOGGER						●																	●						
6450.6	INTEGRATED HEATING– AND CLIMATE CONTROL																●				●				●					
6510.1	RADIO/HIFI									●																				
6561.0	CELLULAR TELEPHONE (PROVISIONS)																													
6571.0	CRUISE CONTROL (TEMPOMAT)													●													●			

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FUSE CHART

FUSES 1 TO 29

Z3

* M VERSIONS

		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	*15A 10A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	*5A 7.5A	30A	10A	5A		15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
6575.2	ANTI–THEFT SYSTEM (ALPINE)																													
6581.3	BOARD COMPUTER (BC – LOW)																													

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BMW 3 Z3

FUSE CHART

FUSES 30 TO 205

		FUSE NUMBER																												
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49		51	52	53		202	203	204	205
		7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A		40A	50A		30A	30A	30A		30A	20A	30A	30A
1210.17	ENGINE CONTROL SYSTEM MS41.1 (6–CYLINDER S52)										●																			
1210.25	ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)										●				●			●									●	●	●	●
1230.0	CHARGING SYSTEM																													
1240.0	START		●														●													
1290.0	E–BOX FAN																													
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)																	●											●	
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)												●	●																
3450.1	SLIP CONTROL (ABS/ASC)									●								●			●									
3452.1	DYNAMIC STABILITY CONTROL (DSC III)																	●					●	●	●					
3614.0	TIRE INFLATION SYSTEM																													
5116.0	POWER MIRRORS														●															
5126.0	ZKE CENTRAL LOCKING (ZV)						●								●															
5133.0	ZKE POWER WINDOWS (FH)																													
5200.0	POWER SEATS																													
5203.0	HEATED SEATS																													
5410.5	POWER TILT SUNROOF																	●												
5430.2	ELECTRO–HYDRAULIC CONVERTIBLE TOP																	●												
6100.0	CENTRAL BODY ELECTRONICS (ZKE IV)				●		●								●															
6133.0	HORN														●															
6135.1	DRIVE–AWAY PROTECTION (EWS III)		●														●													
6160.1	WIPER/WASHER MODULE (WWM)							●	●							●														

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BMW 3 Z3

FUSE CHART

FUSES 30 TO 205

		FUSE NUMBER																													
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49		51	52	53		202	203	204	205
		7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A		40A	50A		30A	30A	30A		30A	20A	30A	30A
6167.1	HEADLIGHT WASHER (SRA)							●								●															
6169.0	WINDSHIELD WASHER JET HEATERS																														
6211.0	INSTRUMENT CLUSTER		●															●													
6213.1	ANALOG CLOCK		●																												
6213.3	DIGITAL CLOCK		●														●														
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					●																									
6424.0	REAR WINDOW DEFOGGER																														
6450.6	INTEGRATED HEATING– AND CLIMATE CONTROL										●	●								●											
6510.1	RADIO/HIFI															●															
6561.0	CELLULAR TELEPHONE (PROVISIONS)				●											●															
6571.0	CRUISE CONTROL (TEMPOMAT)														●			●													

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BMW 3 Z3

FUSE CHART

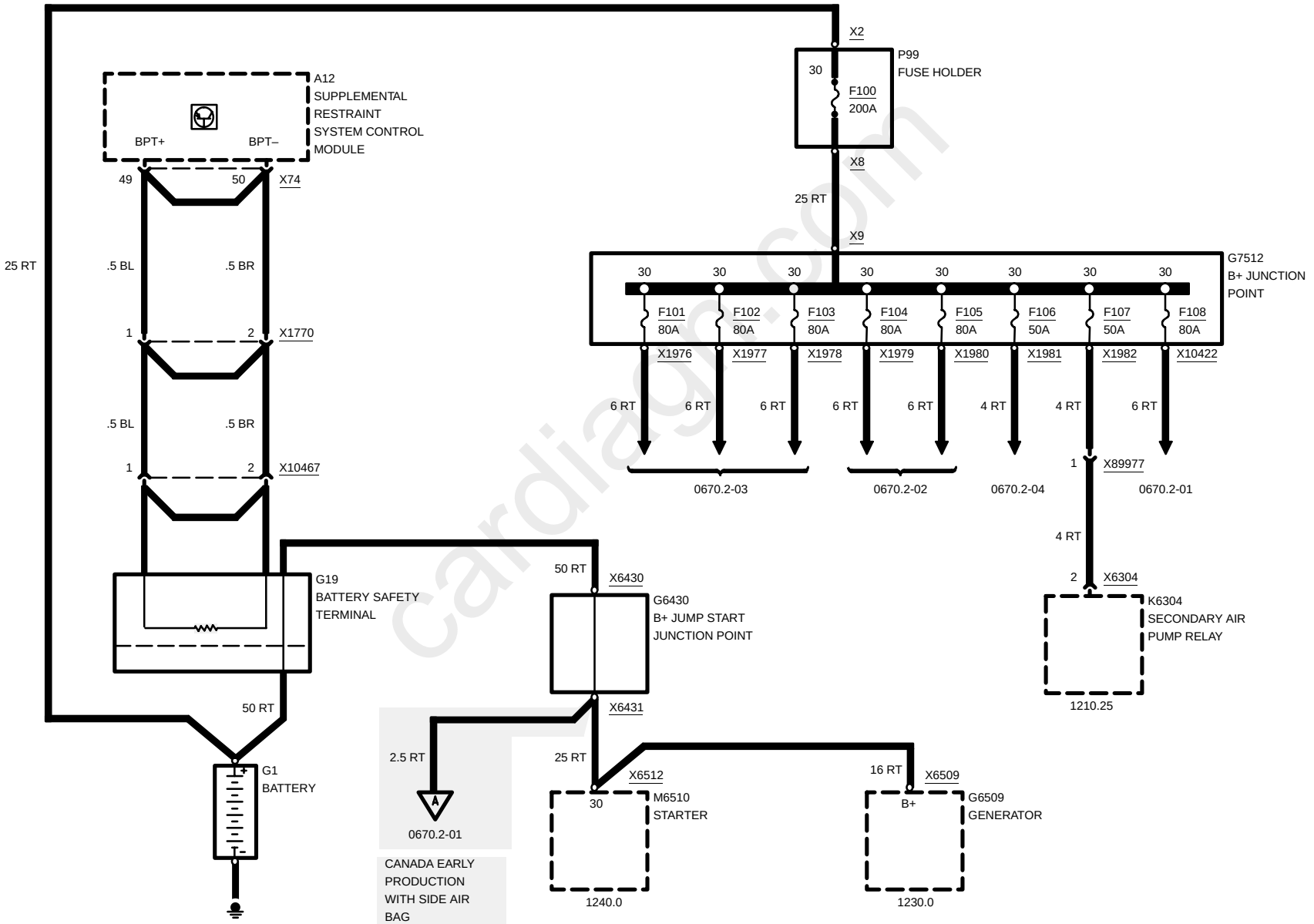
FUSES 30 TO 205

		FUSE NUMBER																												
		30	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**		**51**	**52**	**53**		**202**	**203**	**204**	**205**
		7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A		40A	50A		30A	30A	30A		30A	20A	30A	30A
6575.2	ANTI–THEFT SYSTEM (ALPINE)		●												●															
6581.3	BOARD COMPUTER (BC – LOW)		●															●												

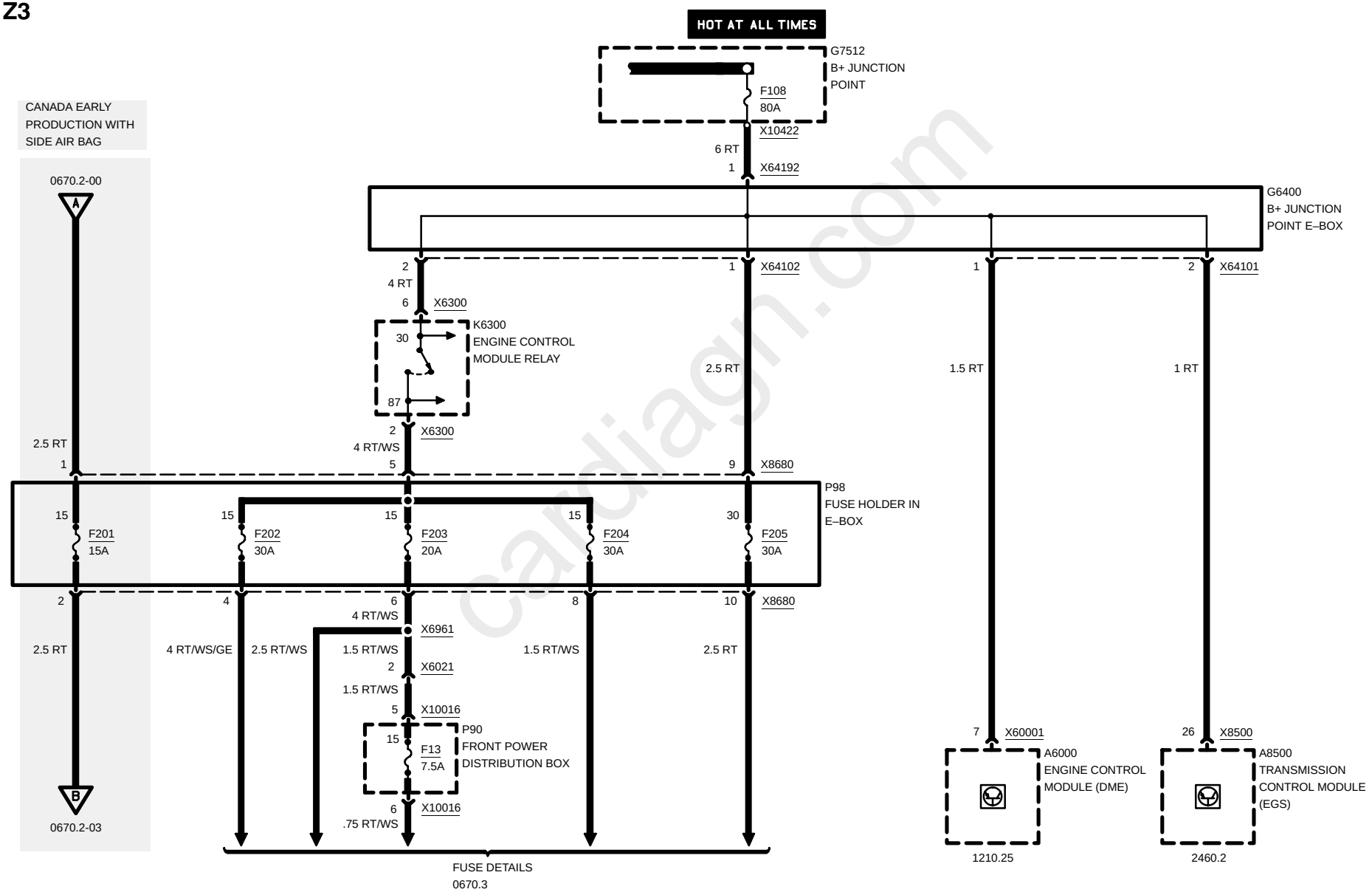
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0670.2 POWER DISTRIBUTION

Z3 VERSIONS



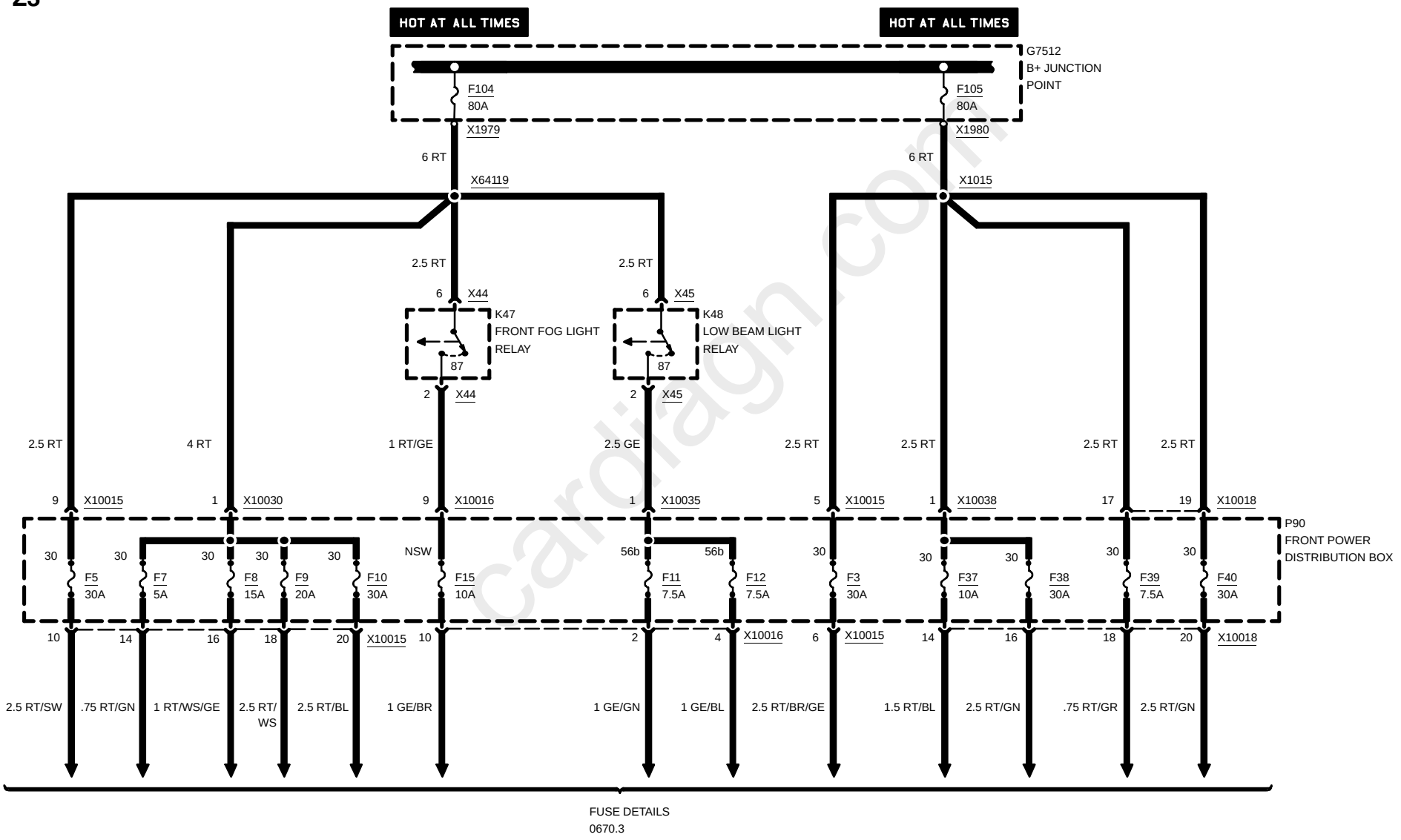
cardiagn.com



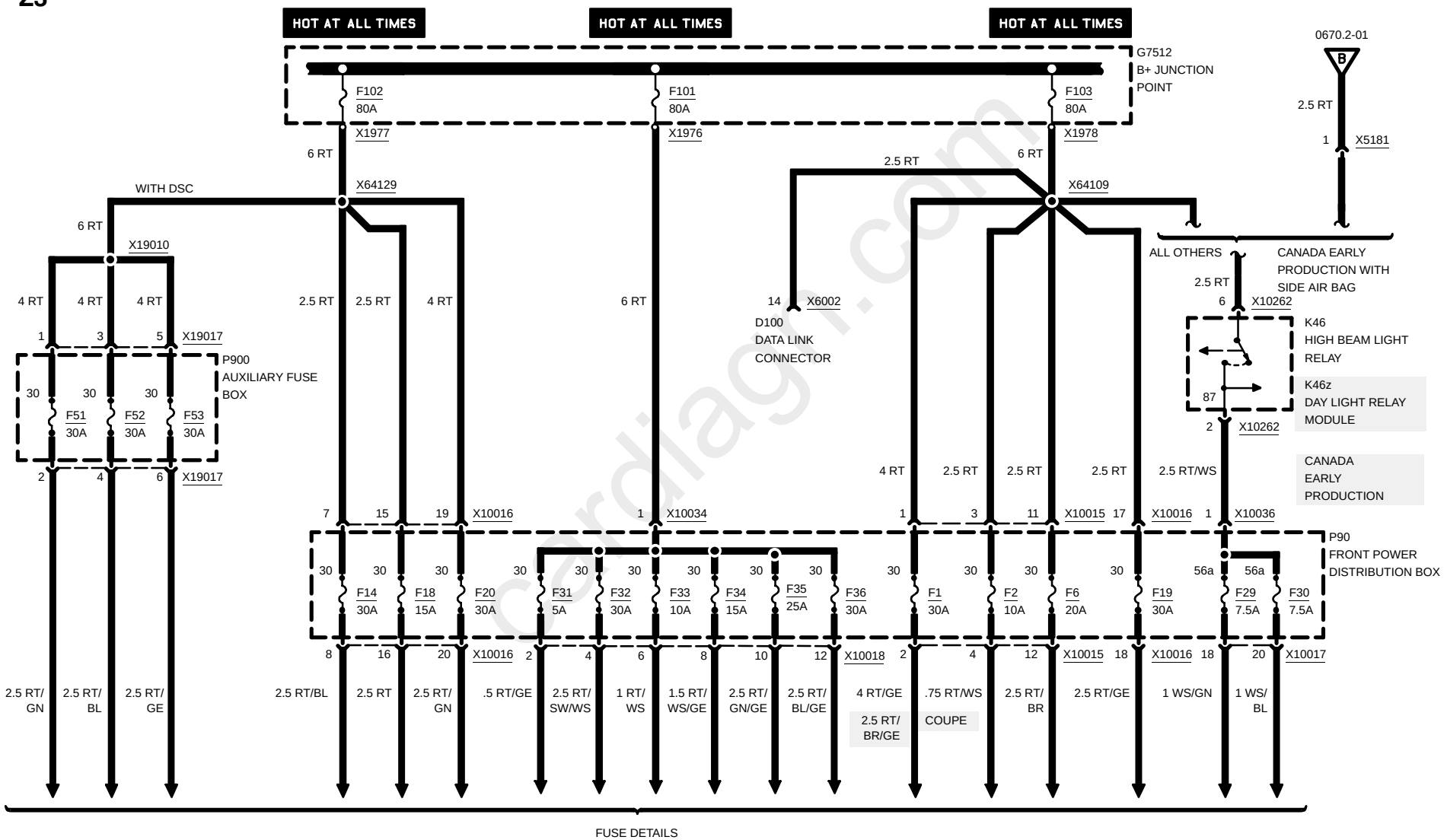
cardiagn.com

POWER DISTRIBUTION

Z3 VERSIONS



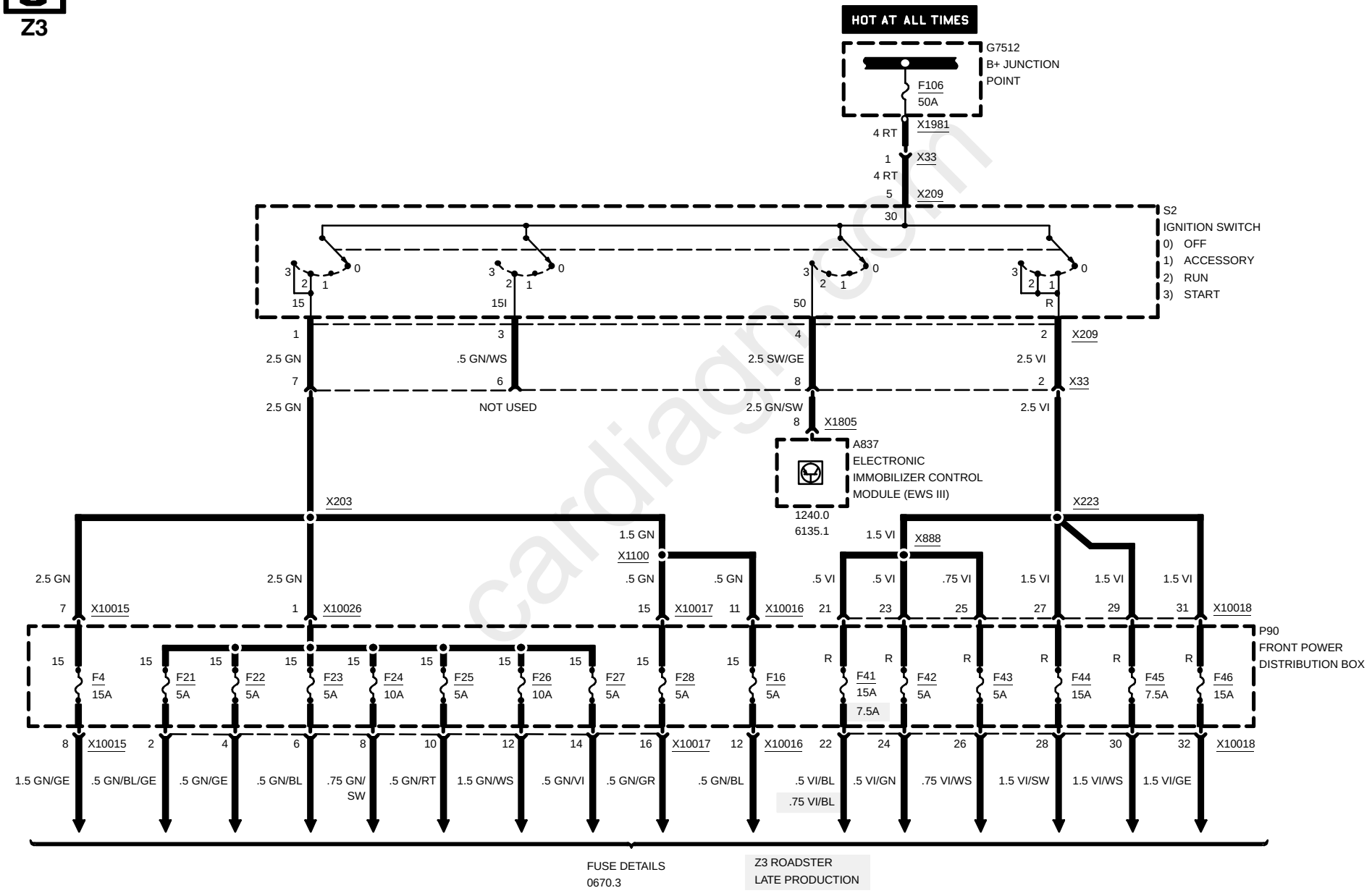
cardiagn.com



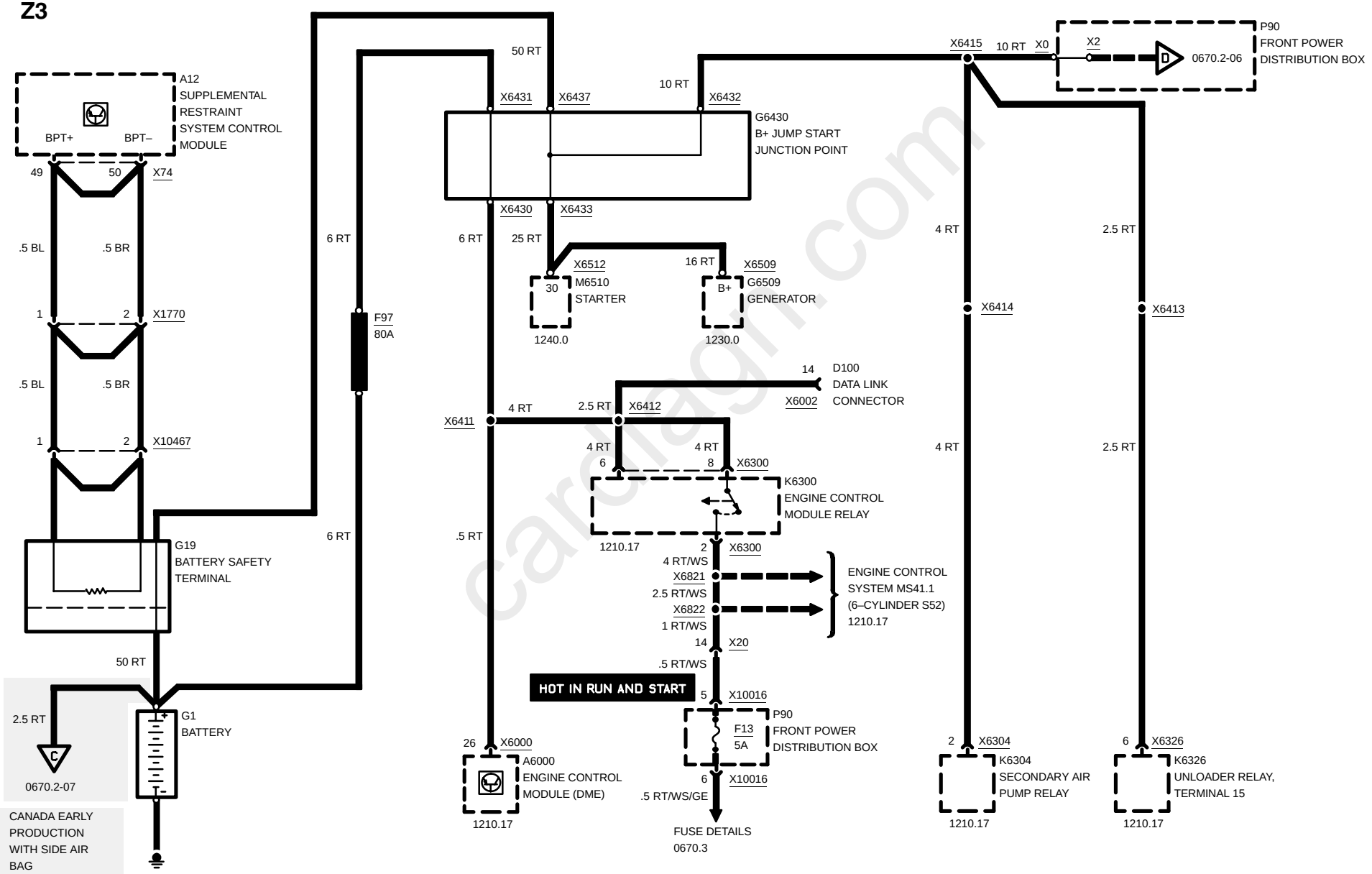
cardiagn.com

POWER DISTRIBUTION

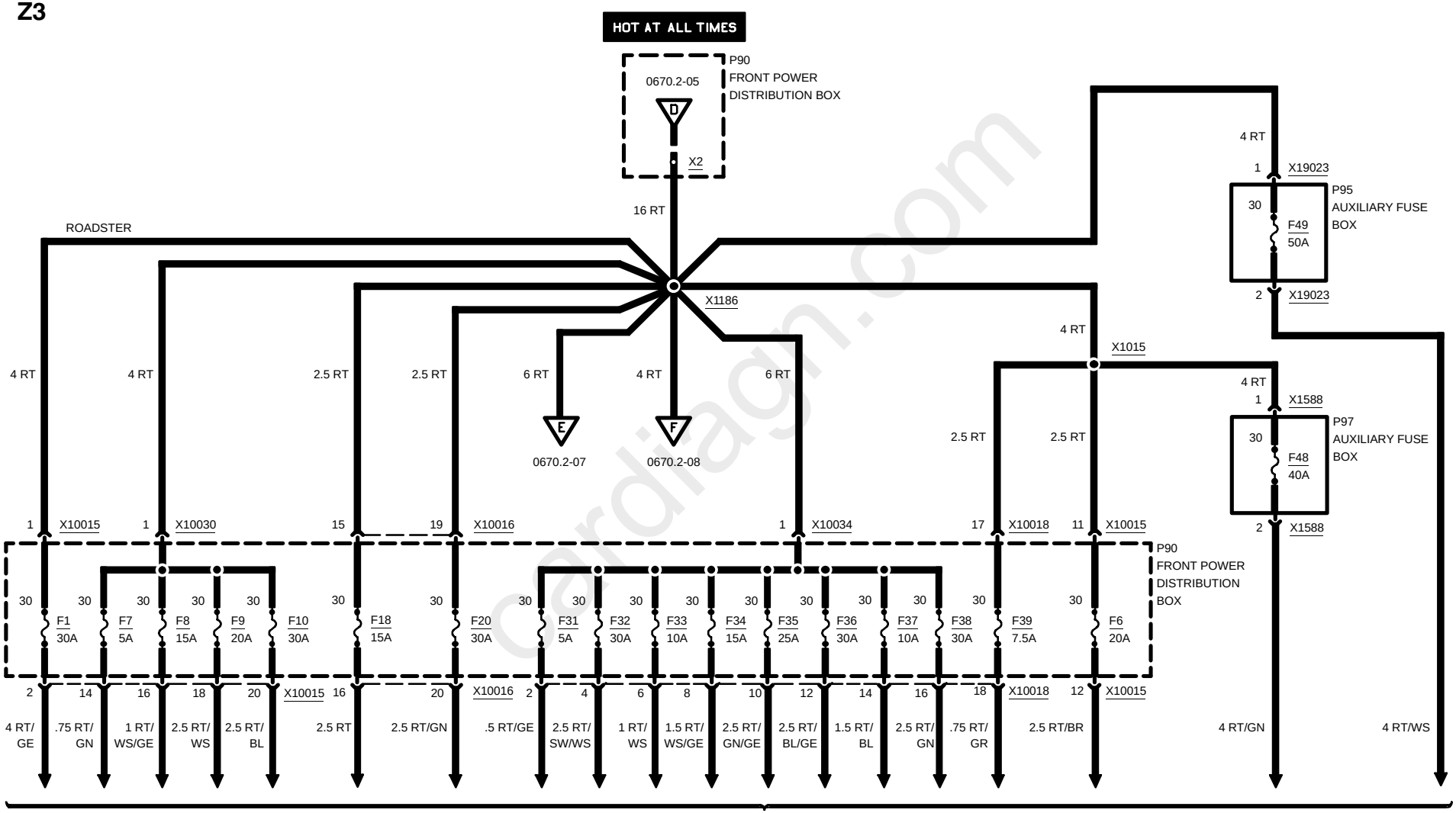
Z3 VERSIONS



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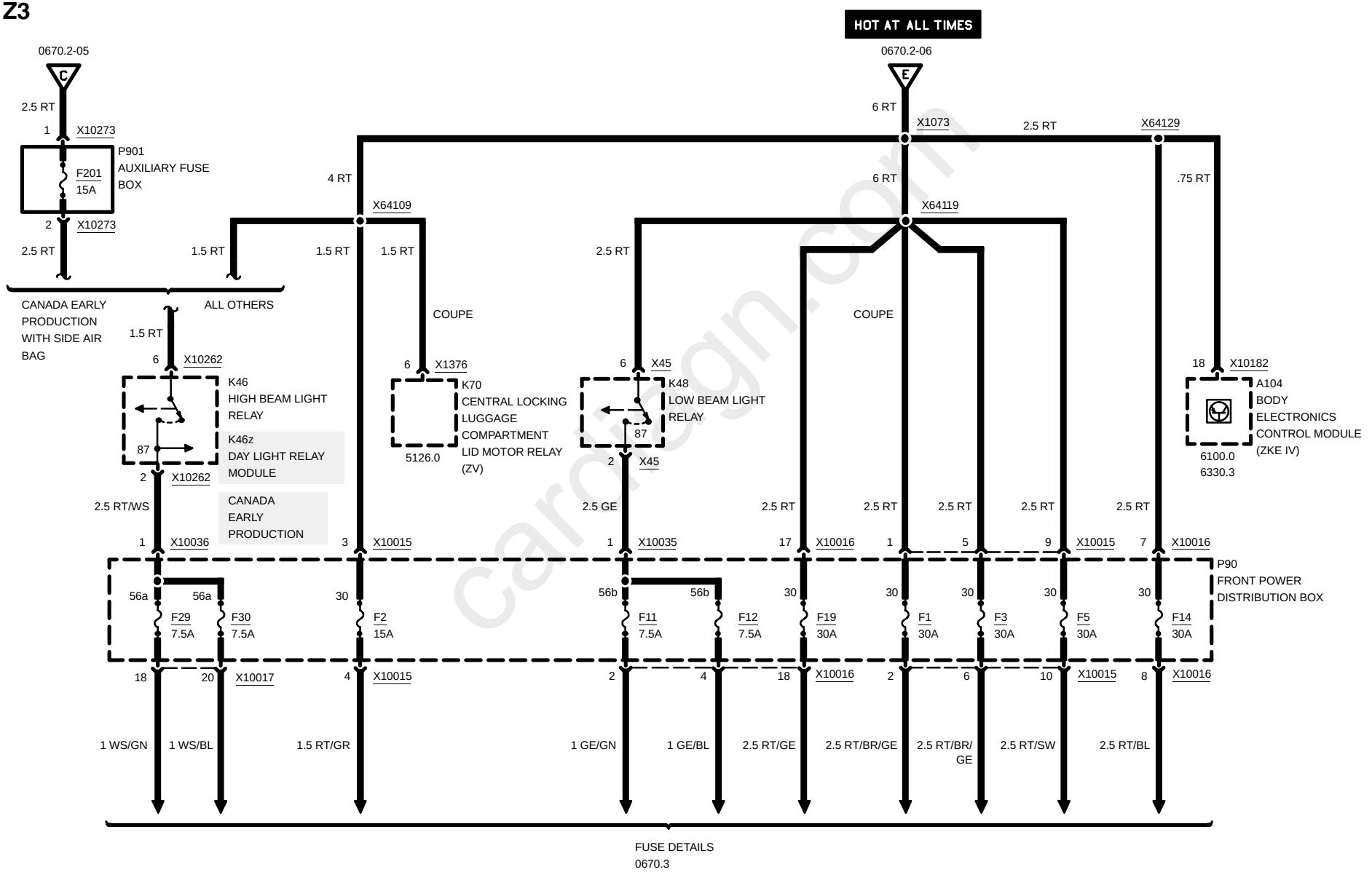


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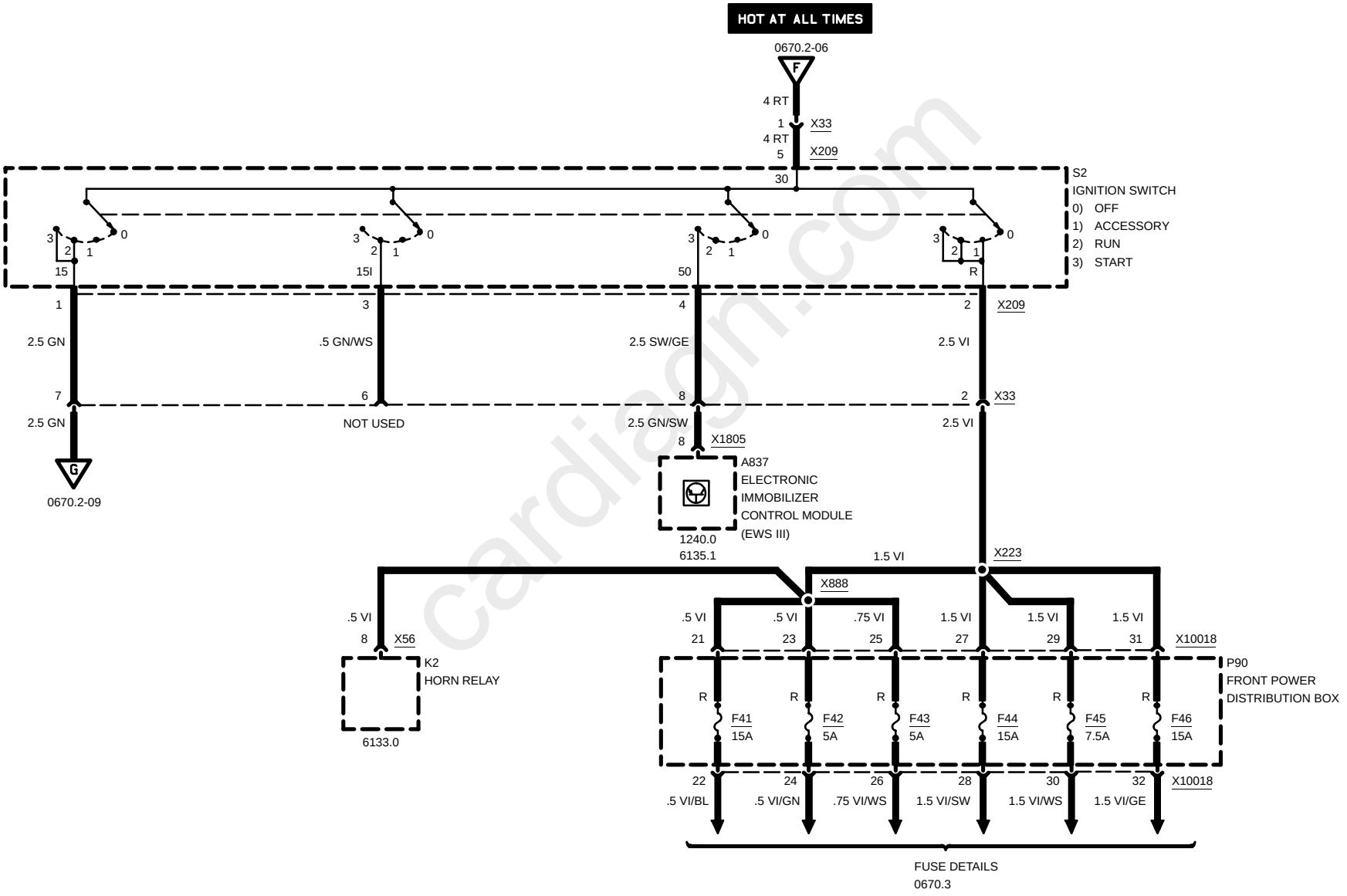


FUSE DETAILS
0670.3

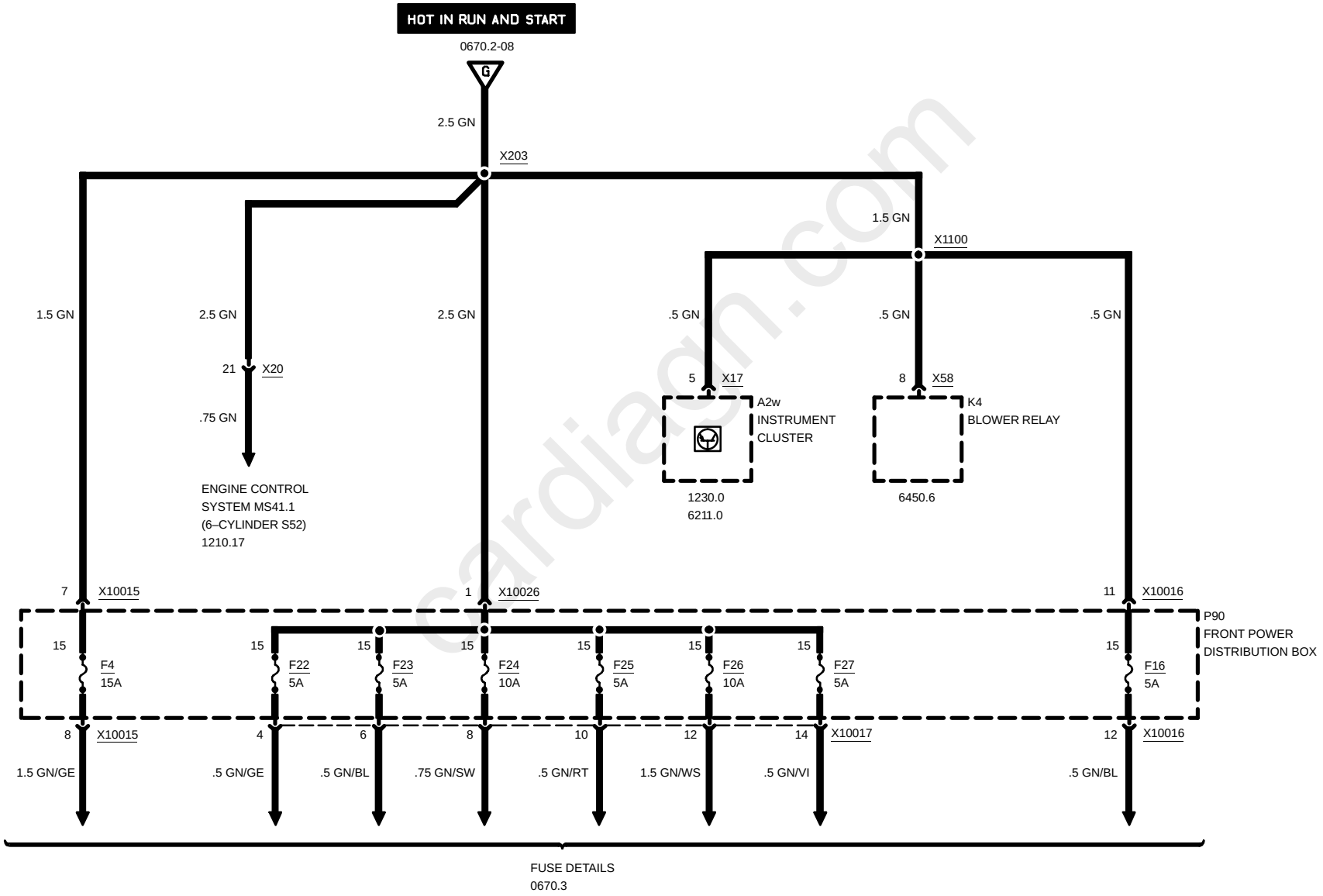
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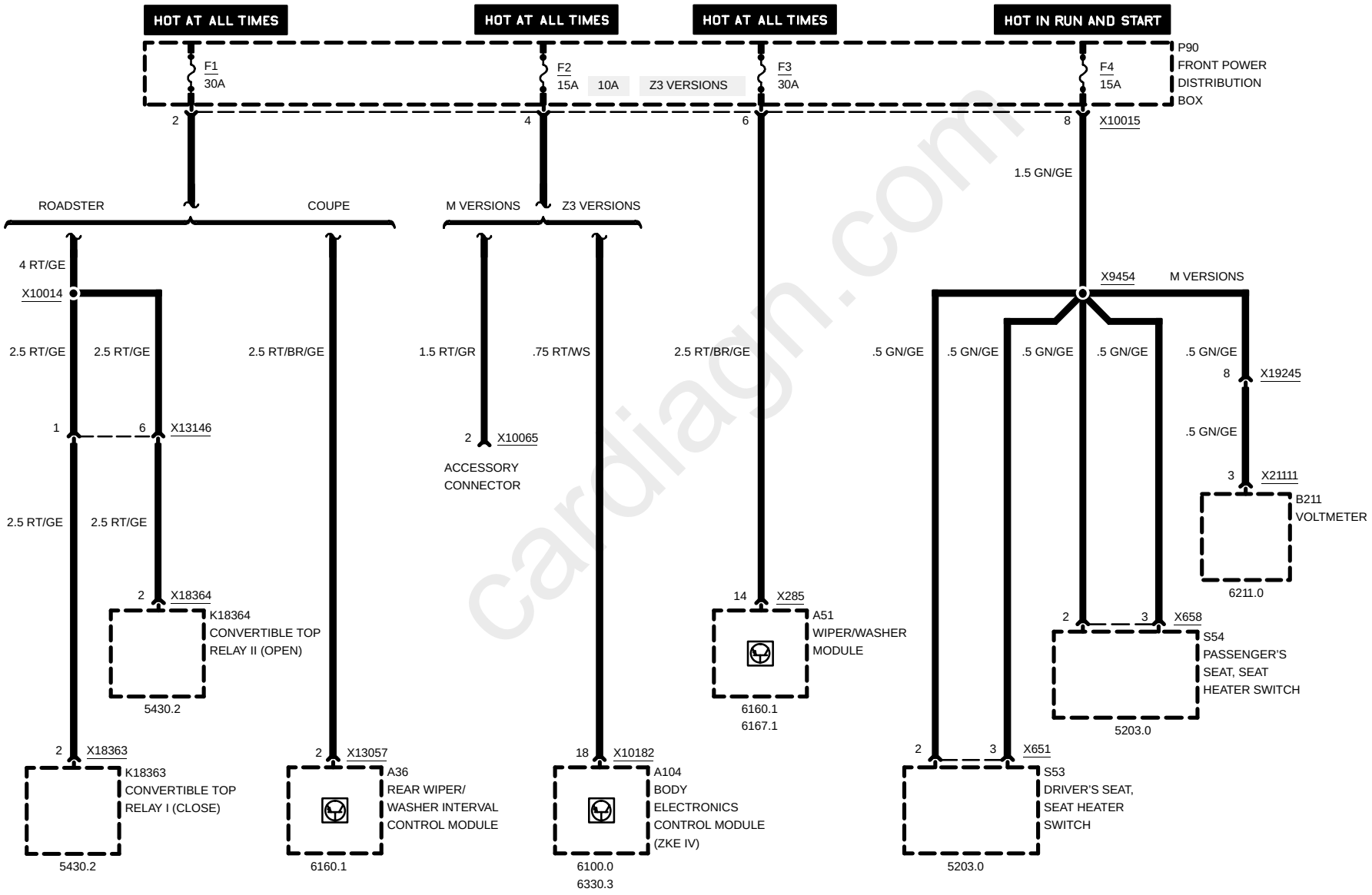


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0670.3 FUSE DETAILS

FUSES 1, 2, 3, AND 4

BMW 3 Z3

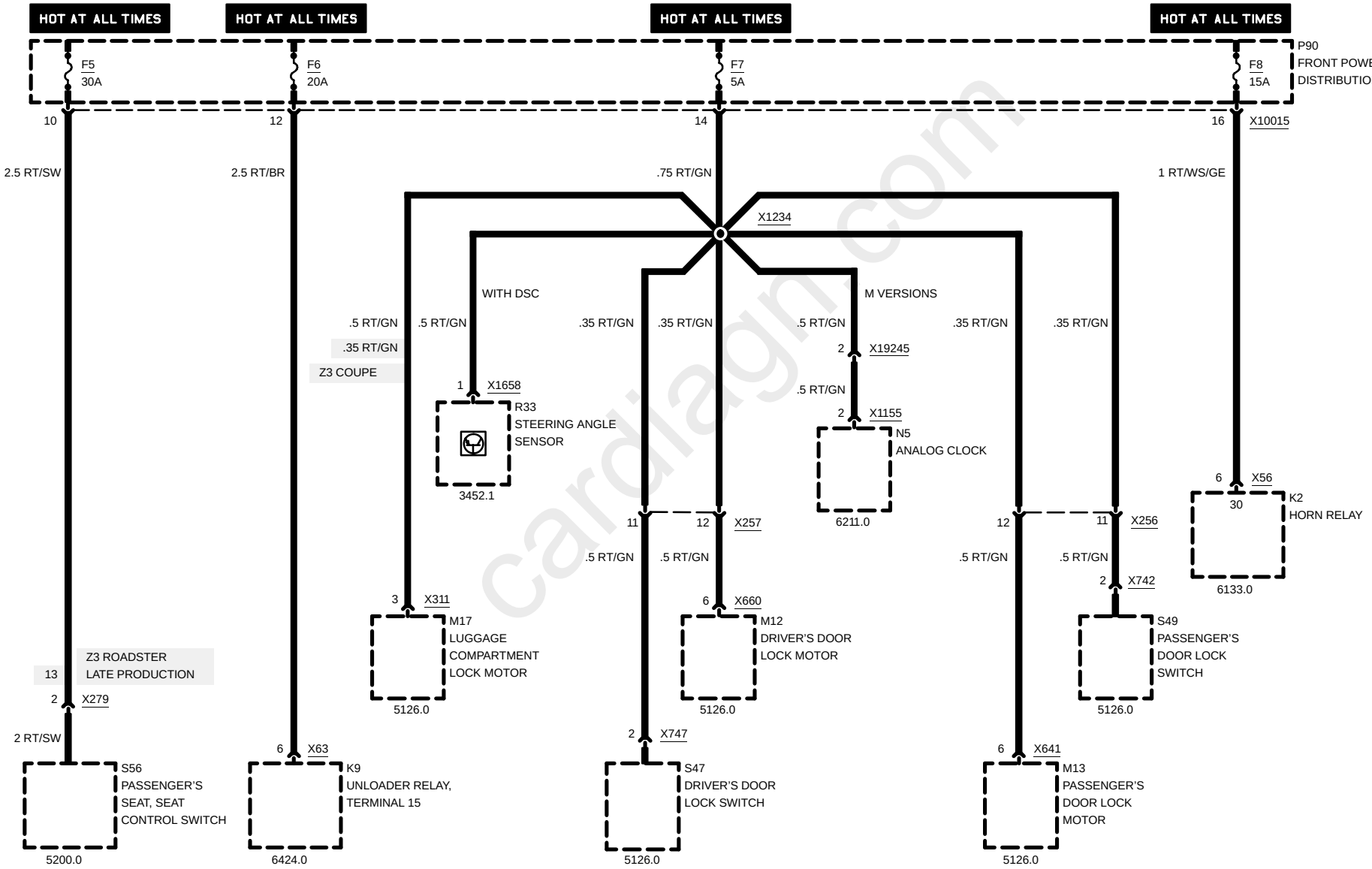


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BMW 3 Z3

FUSE DETAILS

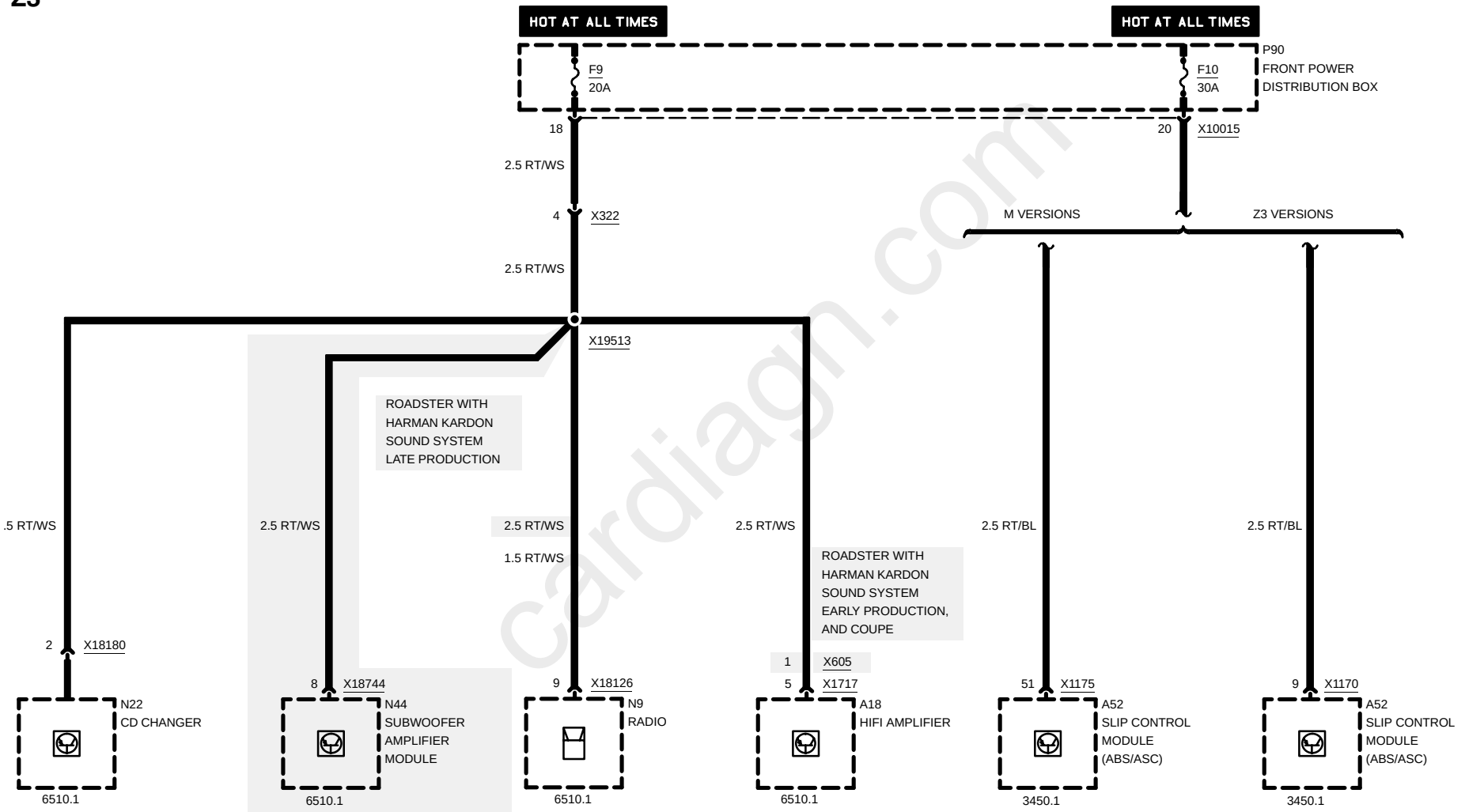
FUSES 5, 6, 7, AND 8



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FUSE DETAILS

FUSES 9 AND 10

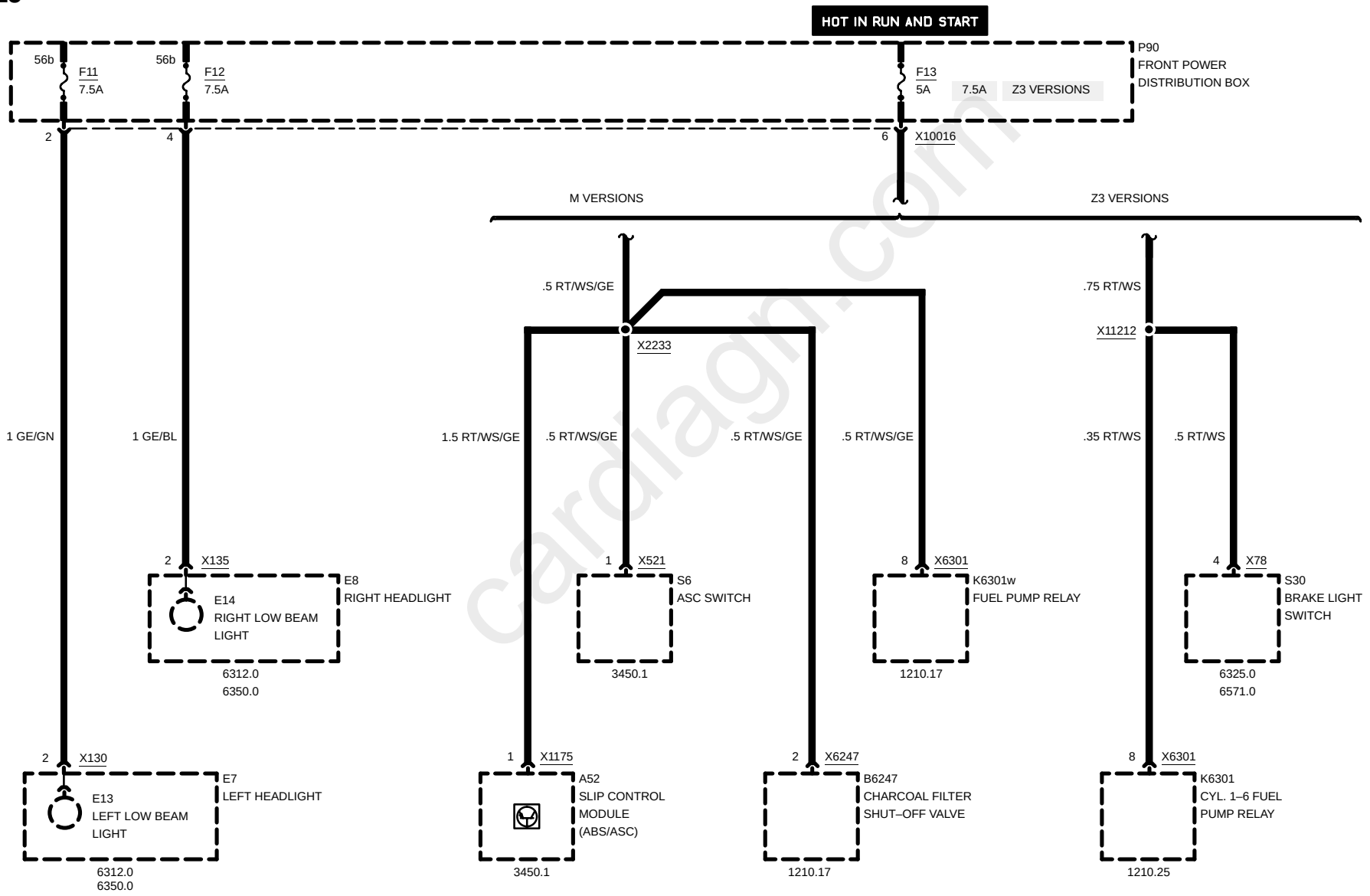


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FUSE DETAILS

FUSES 11, 12, AND 13

BMW 3 Z3

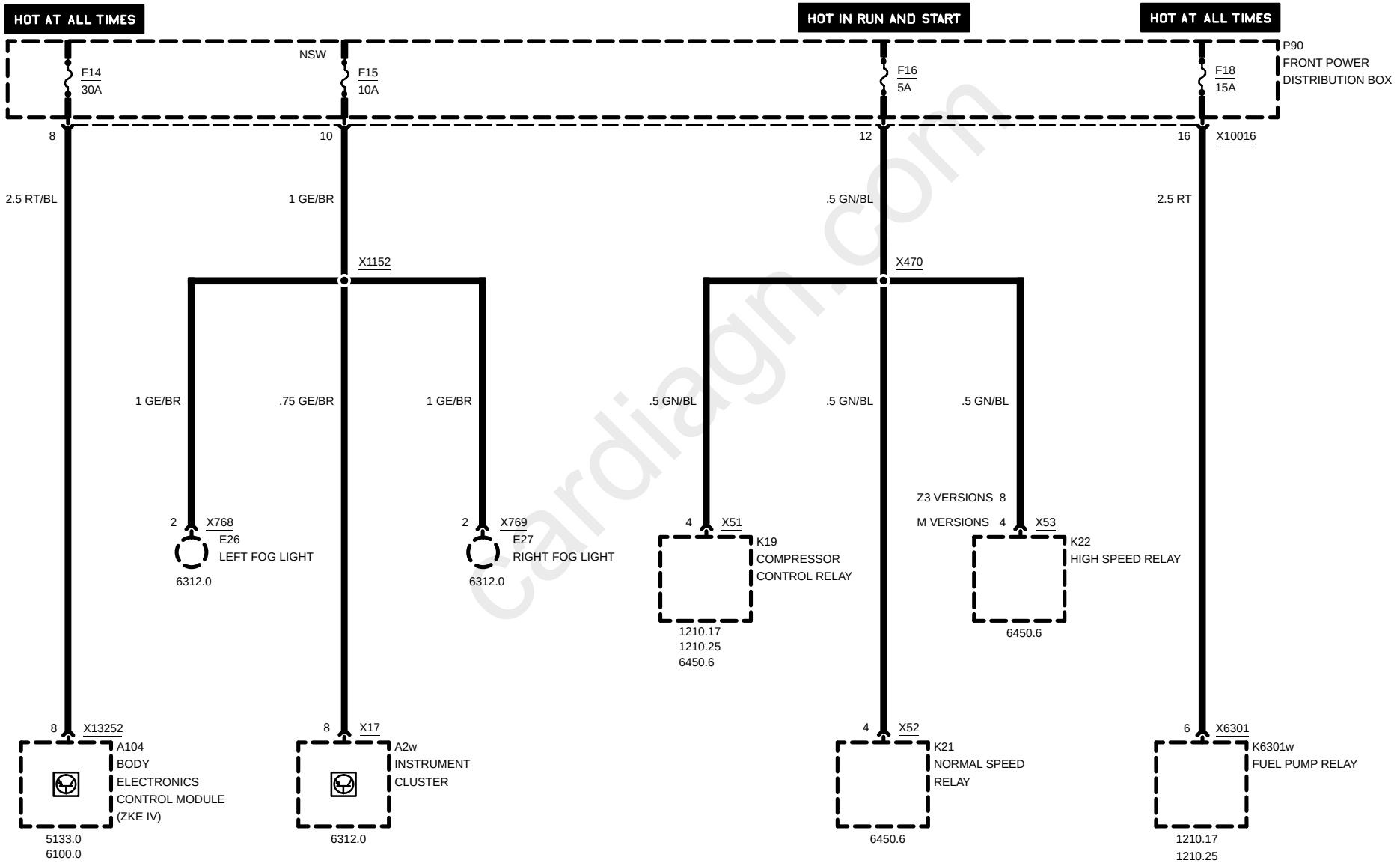


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BMW 3 Z3

FUSE DETAILS

FUSES 14, 15, 16, AND 18

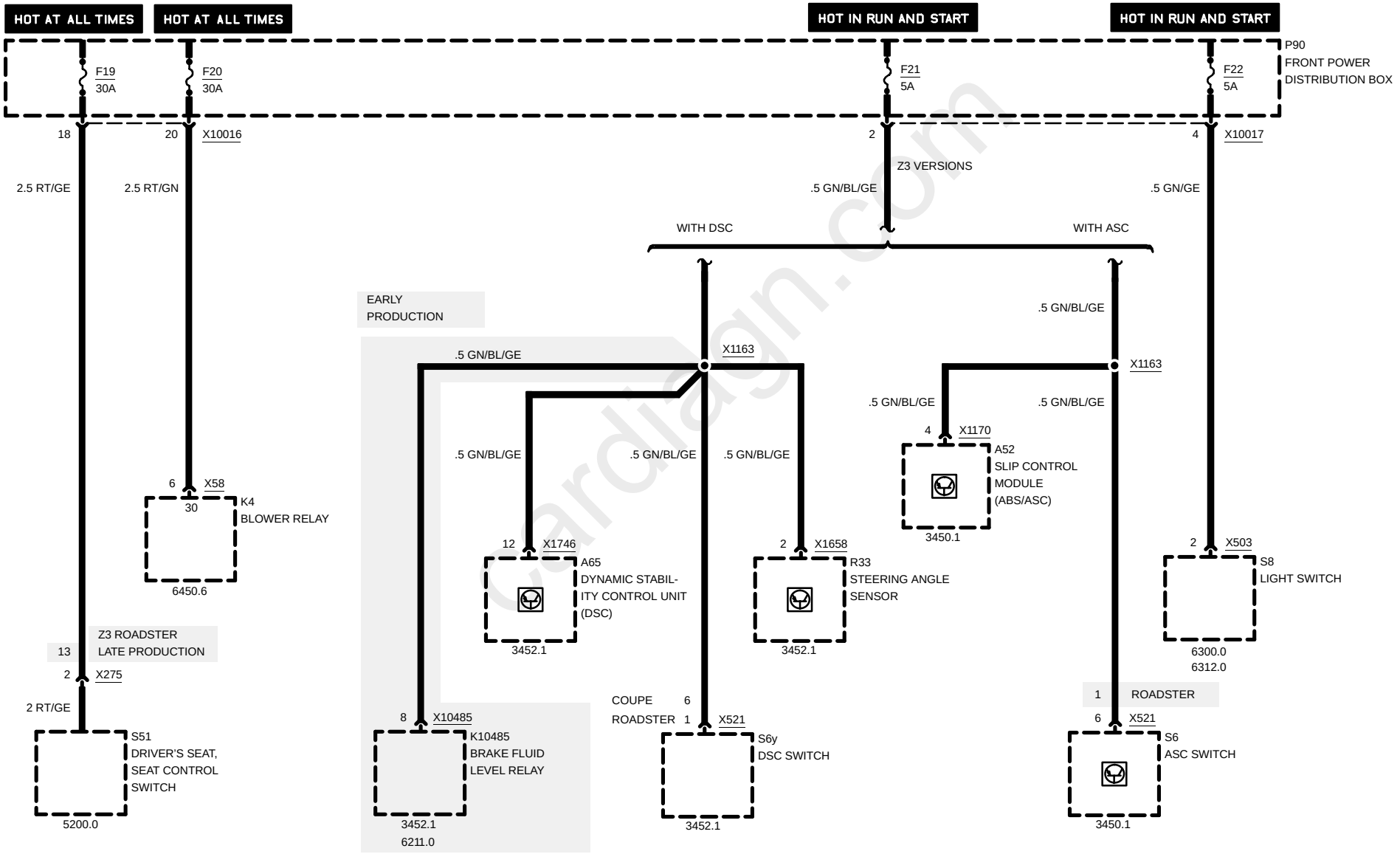


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FUSE DETAILS

FUSES 19, 20, 21, AND 22

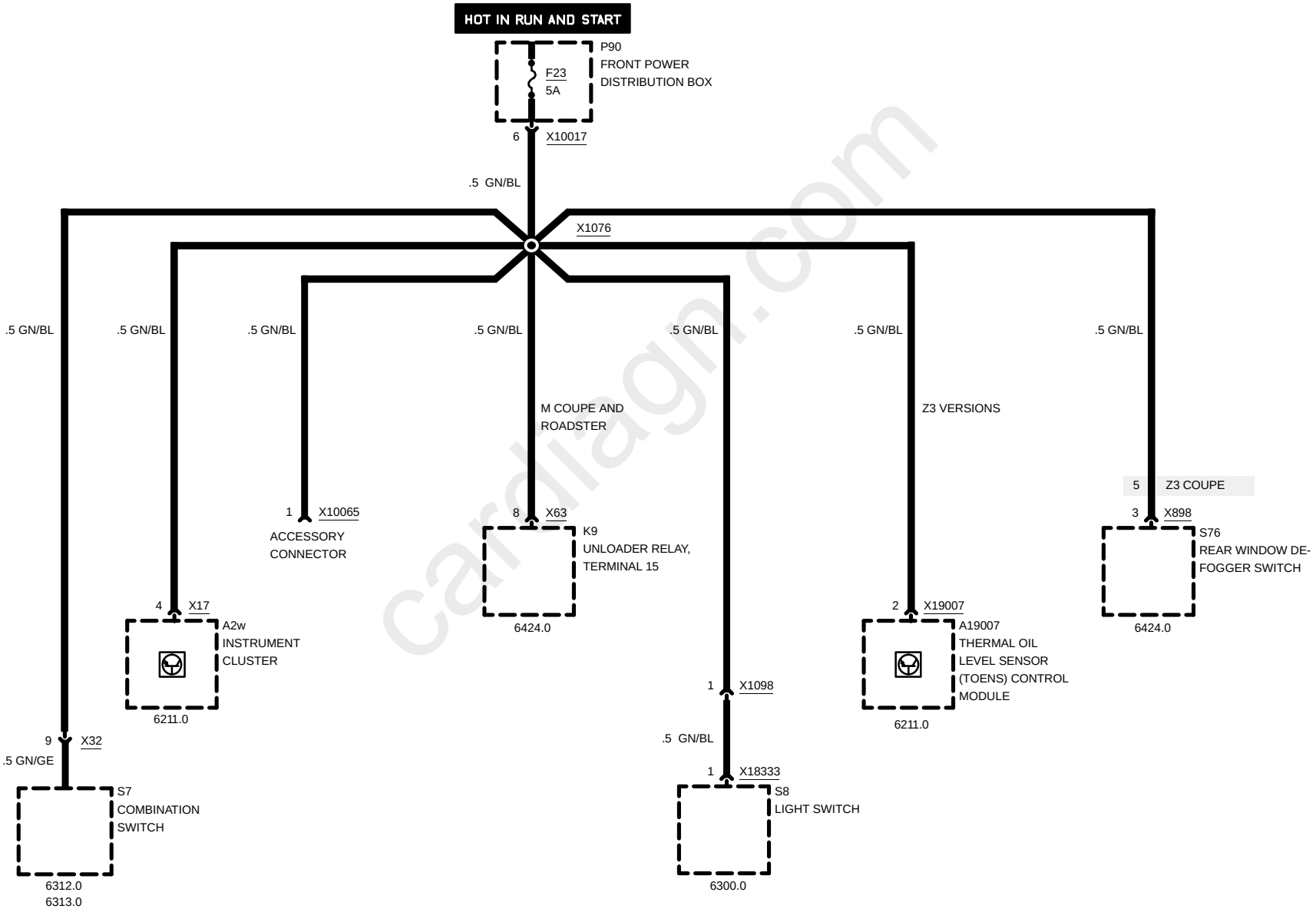
BMW 3 Z3



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FUSE DETAILS

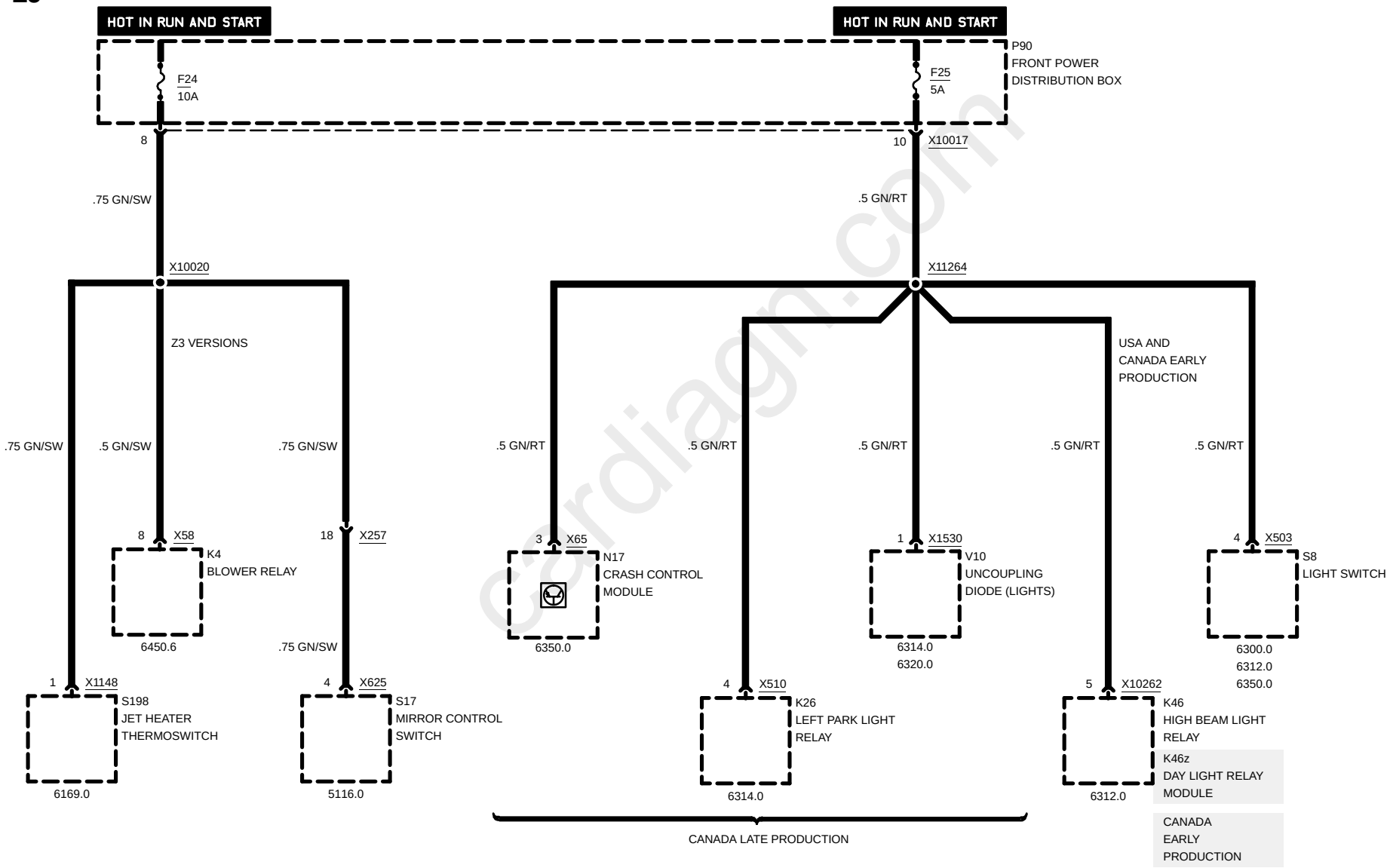
FUSE 23



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FUSE DETAILS

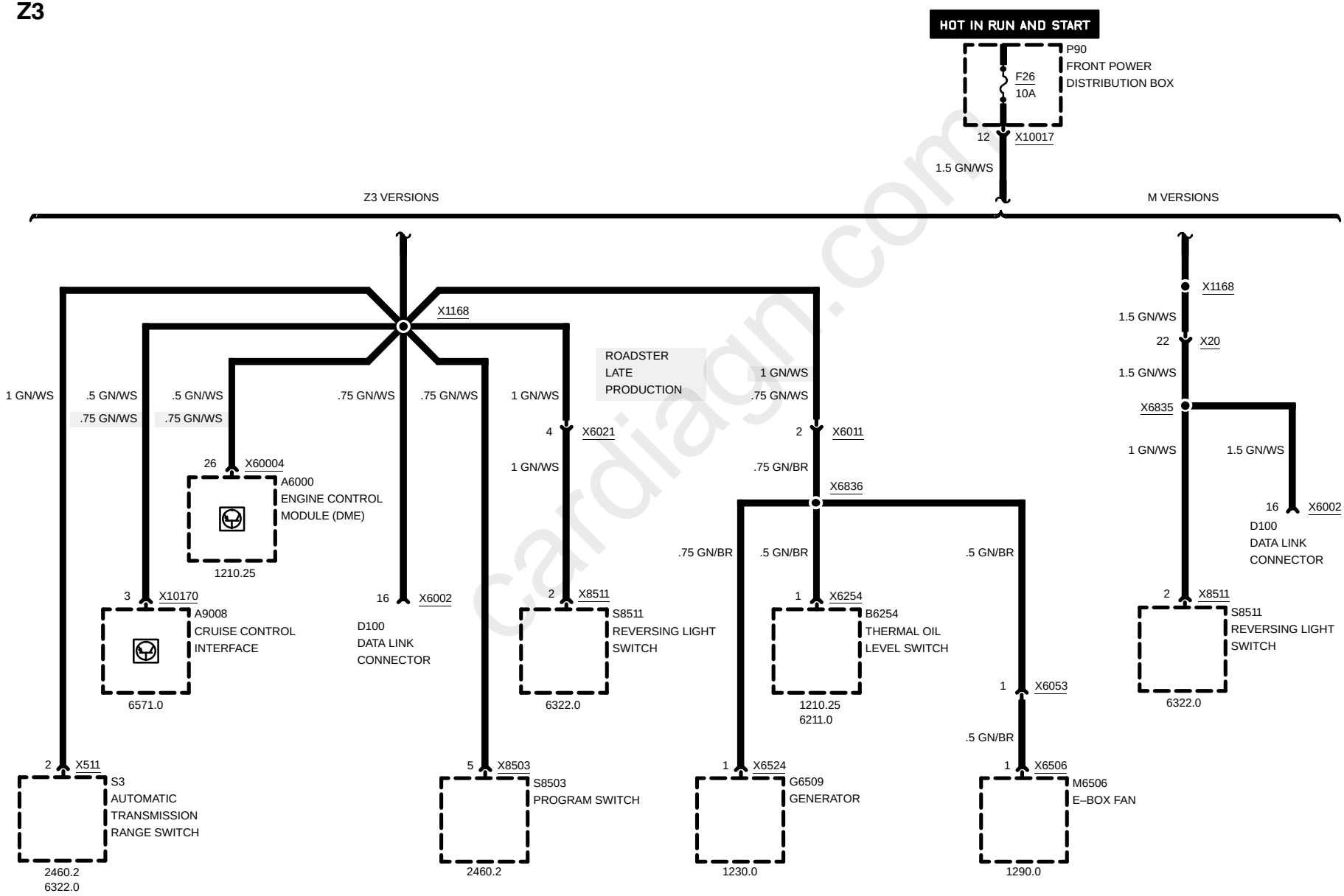
FUSES 24 AND 25



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FUSE DETAILS

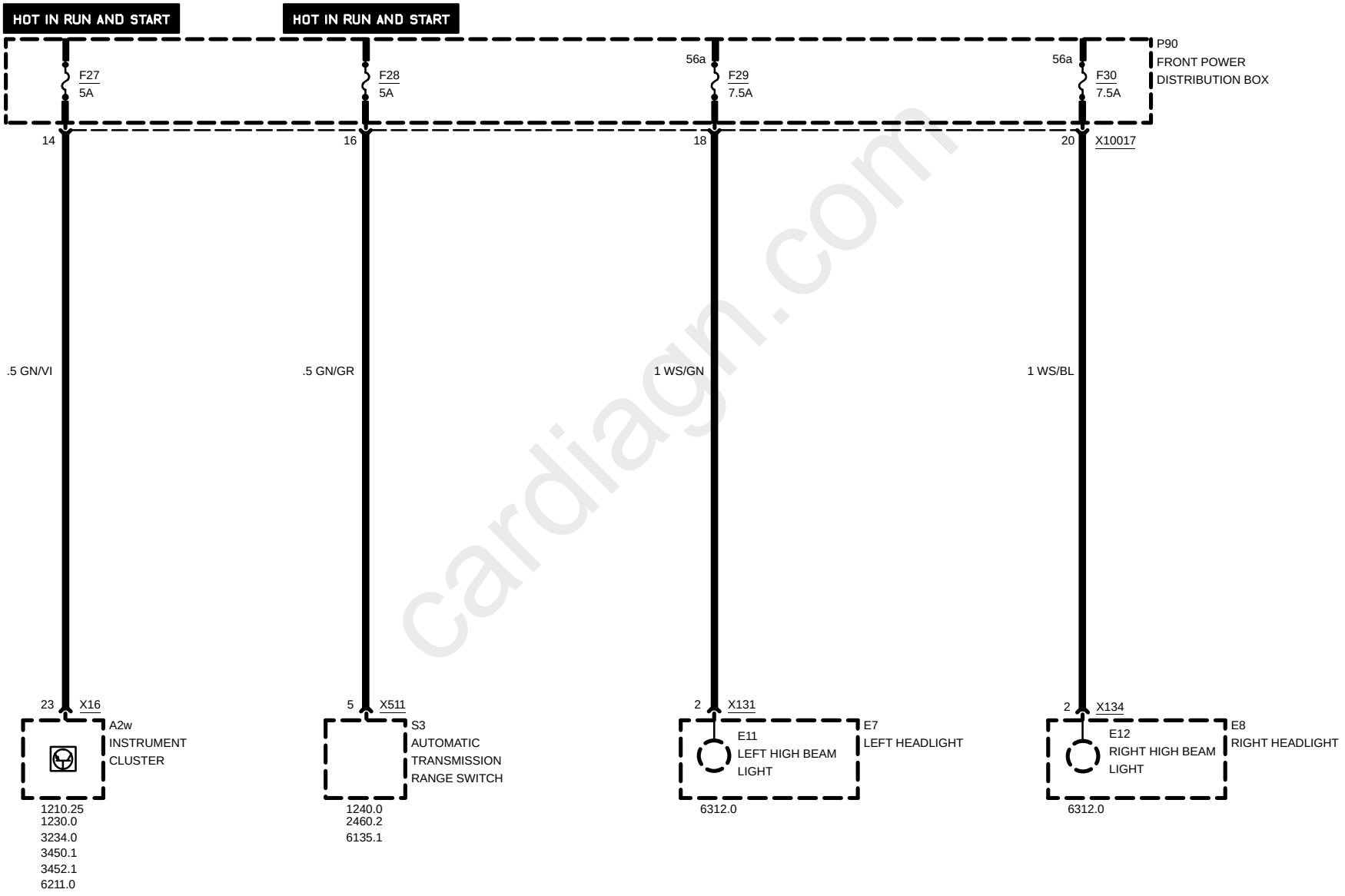
FUSE 26



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FUSE DETAILS

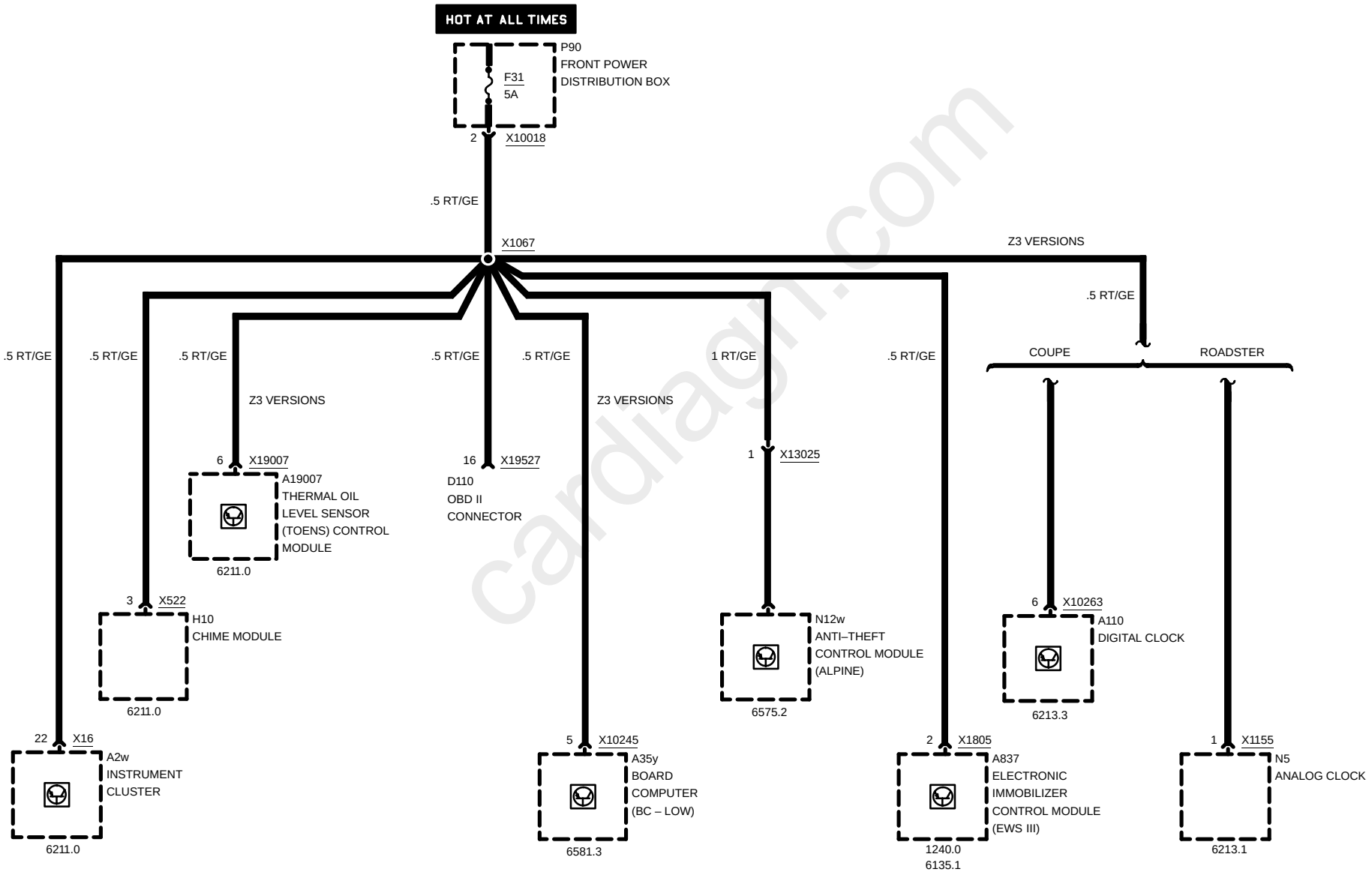
FUSES 27, 28, 29, AND 30



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FUSE DETAILS

FUSE 31

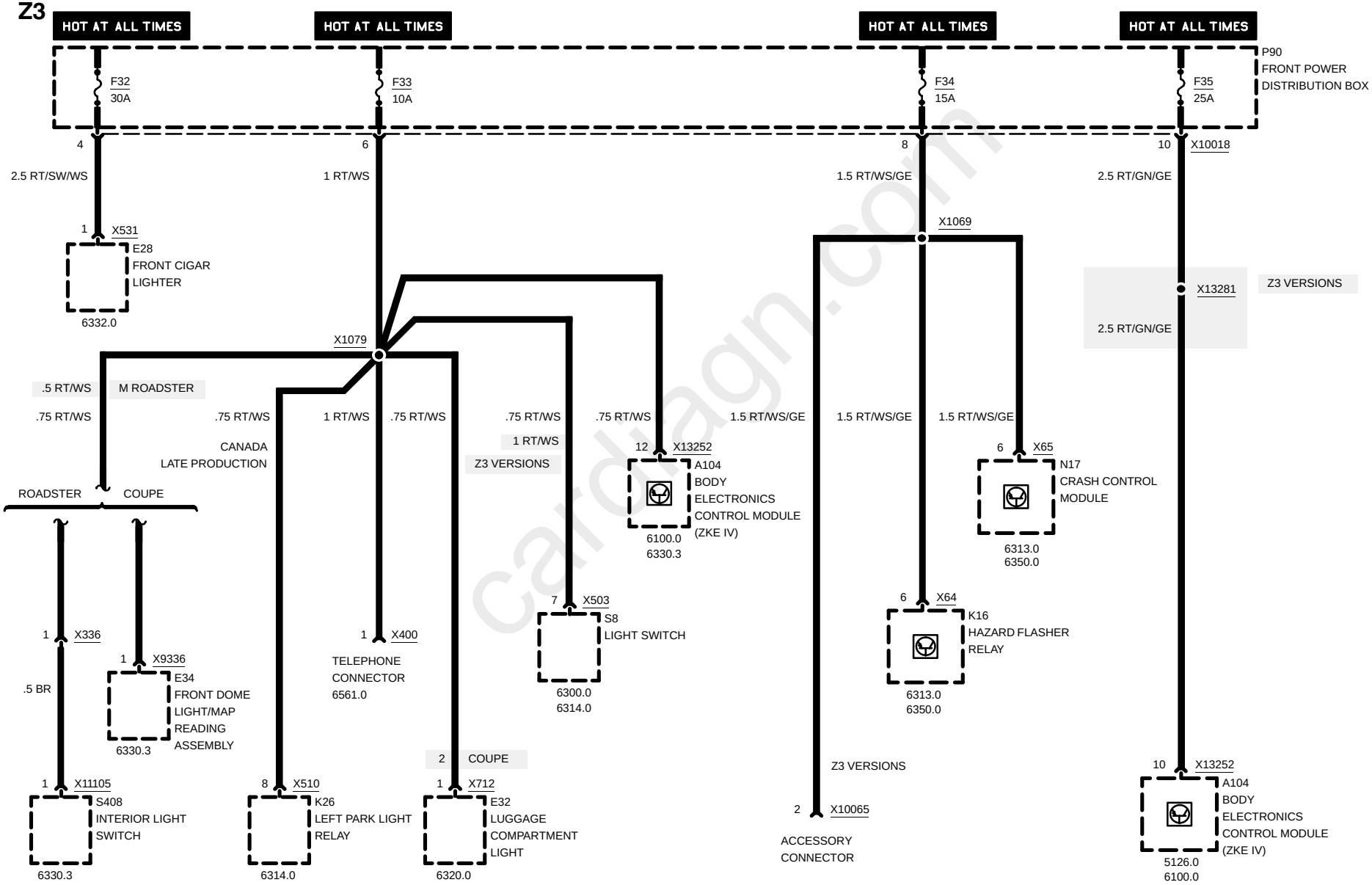


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BMW 3 Z3

FUSE DETAILS

FUSES 32, 33, 34, AND 35

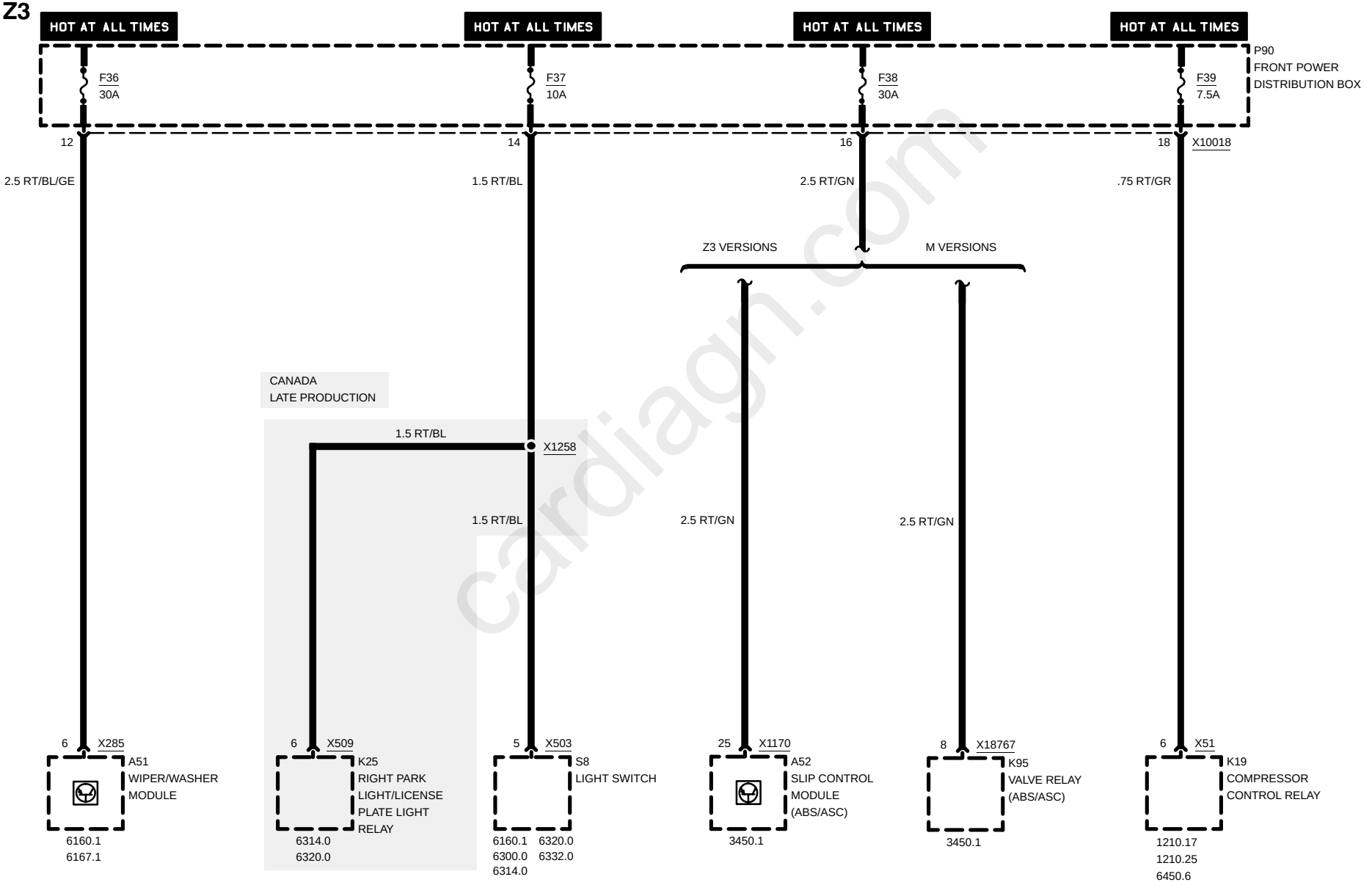


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BMW 3 Z3

FUSE DETAILS

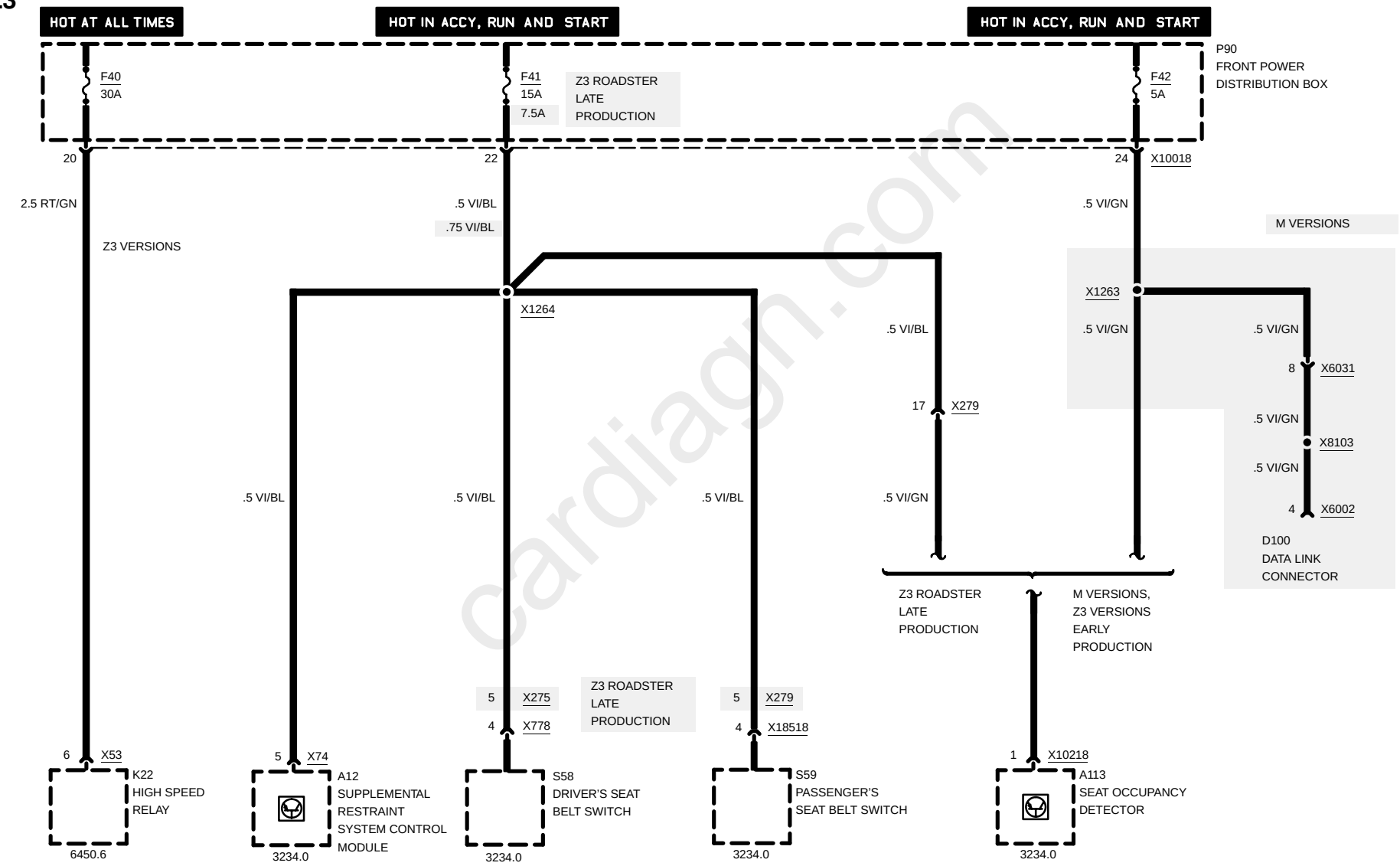
FUSES 36, 37, 38, AND 39



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FUSE DETAILS

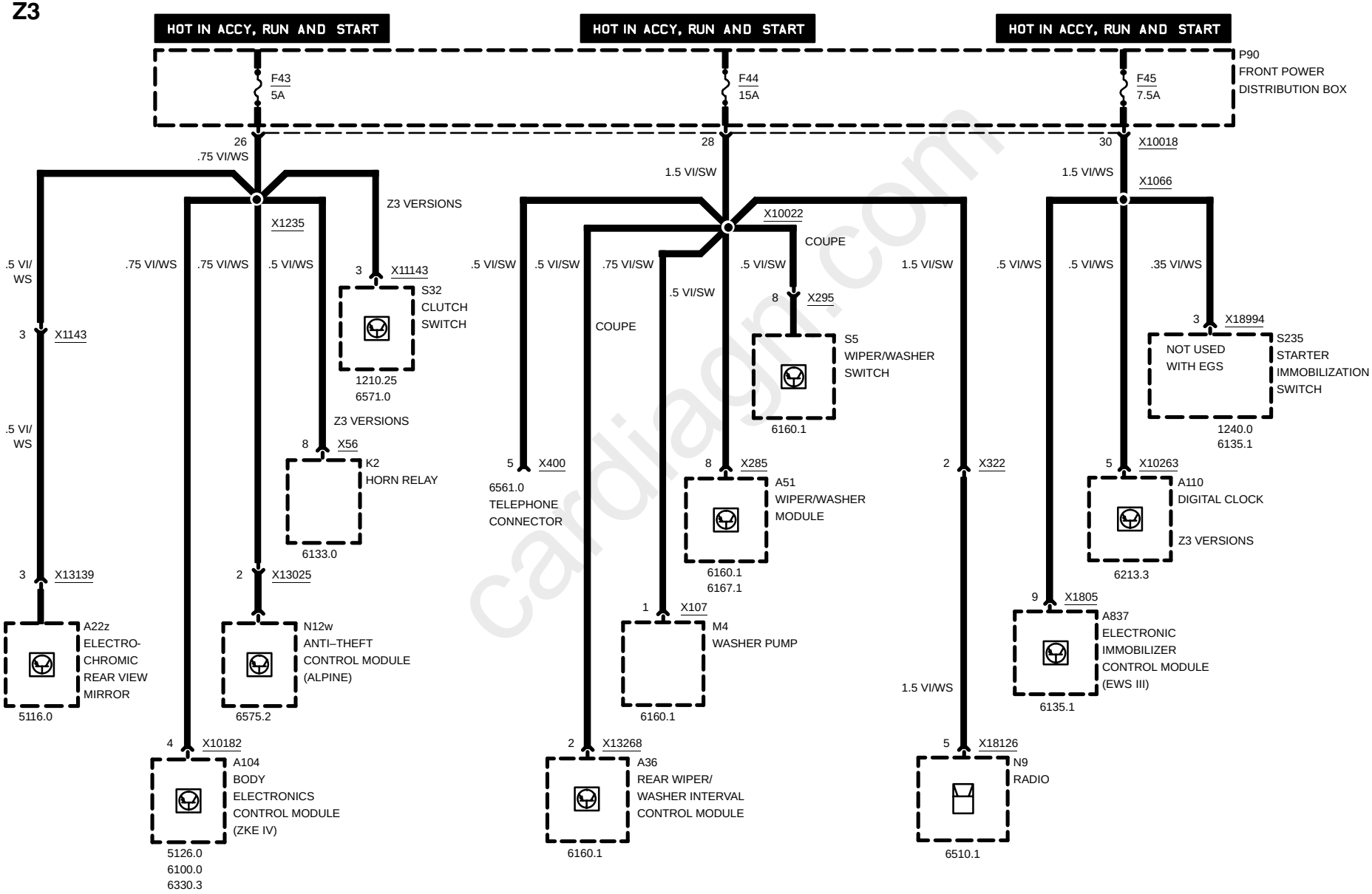
FUSES 40, 41, AND 42



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FUSE DETAILS

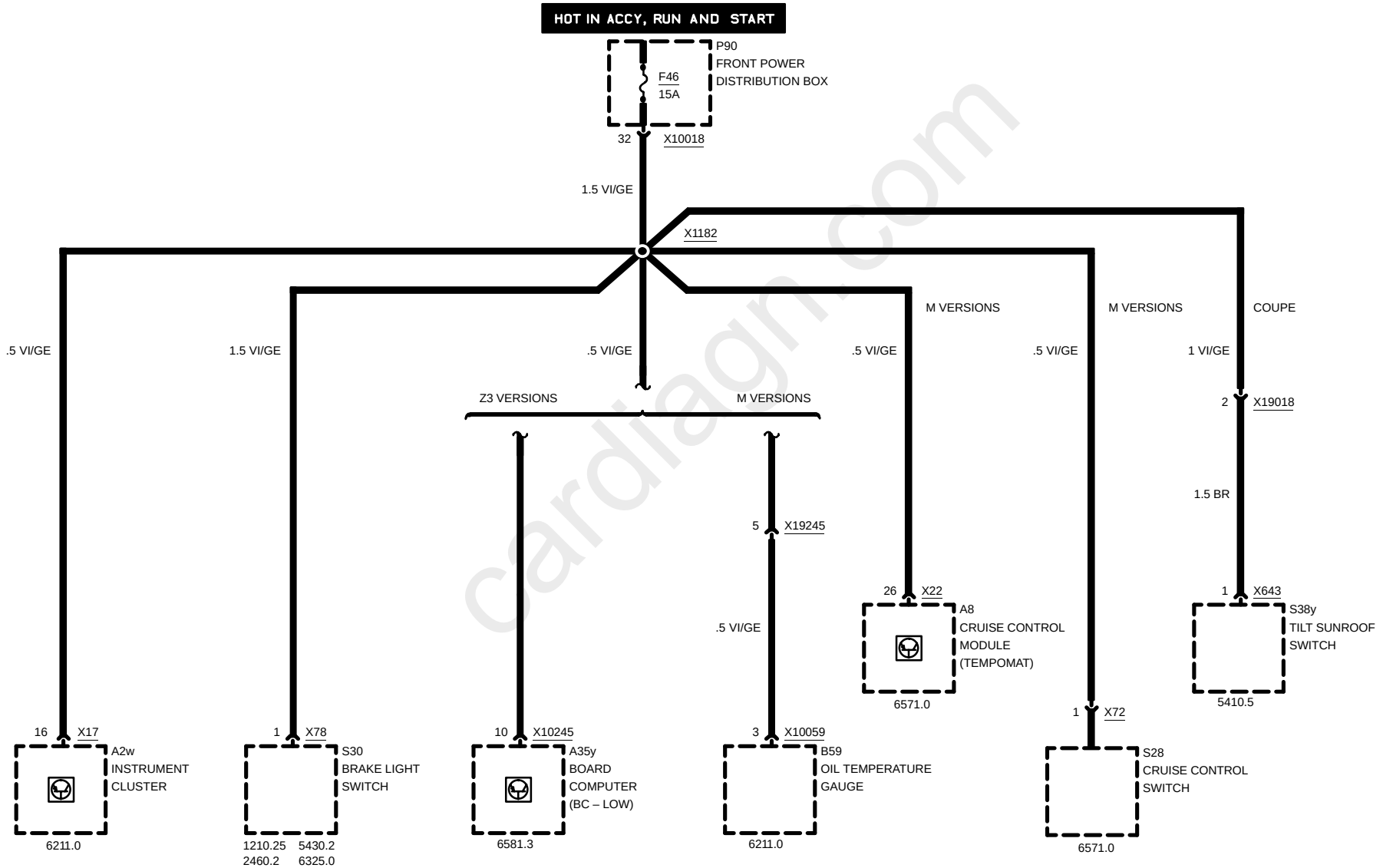
FUSES 43, 44, AND 45



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FUSE DETAILS

FUSE 46

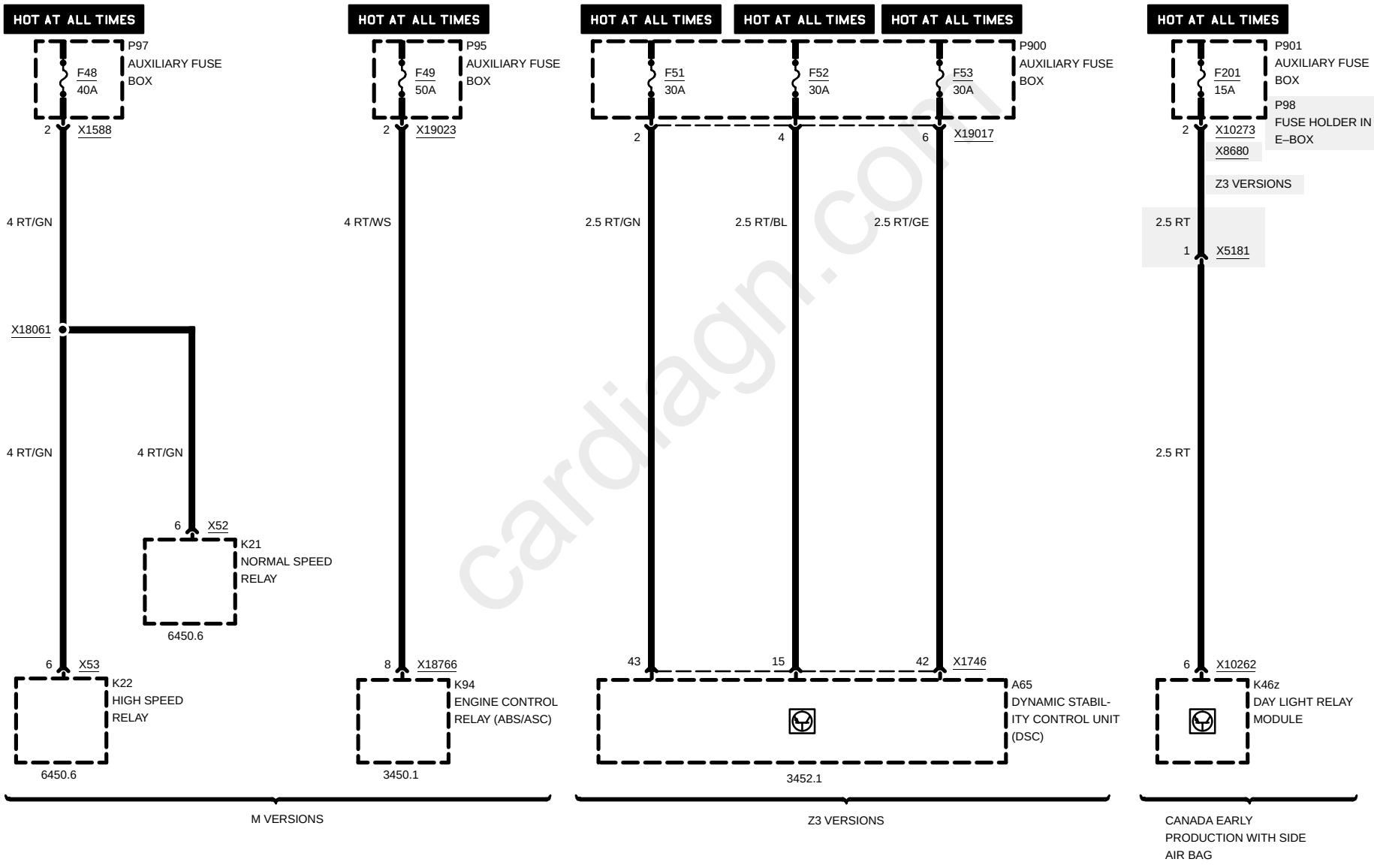


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FUSE DETAILS

FUSES 48, 49, AND 201

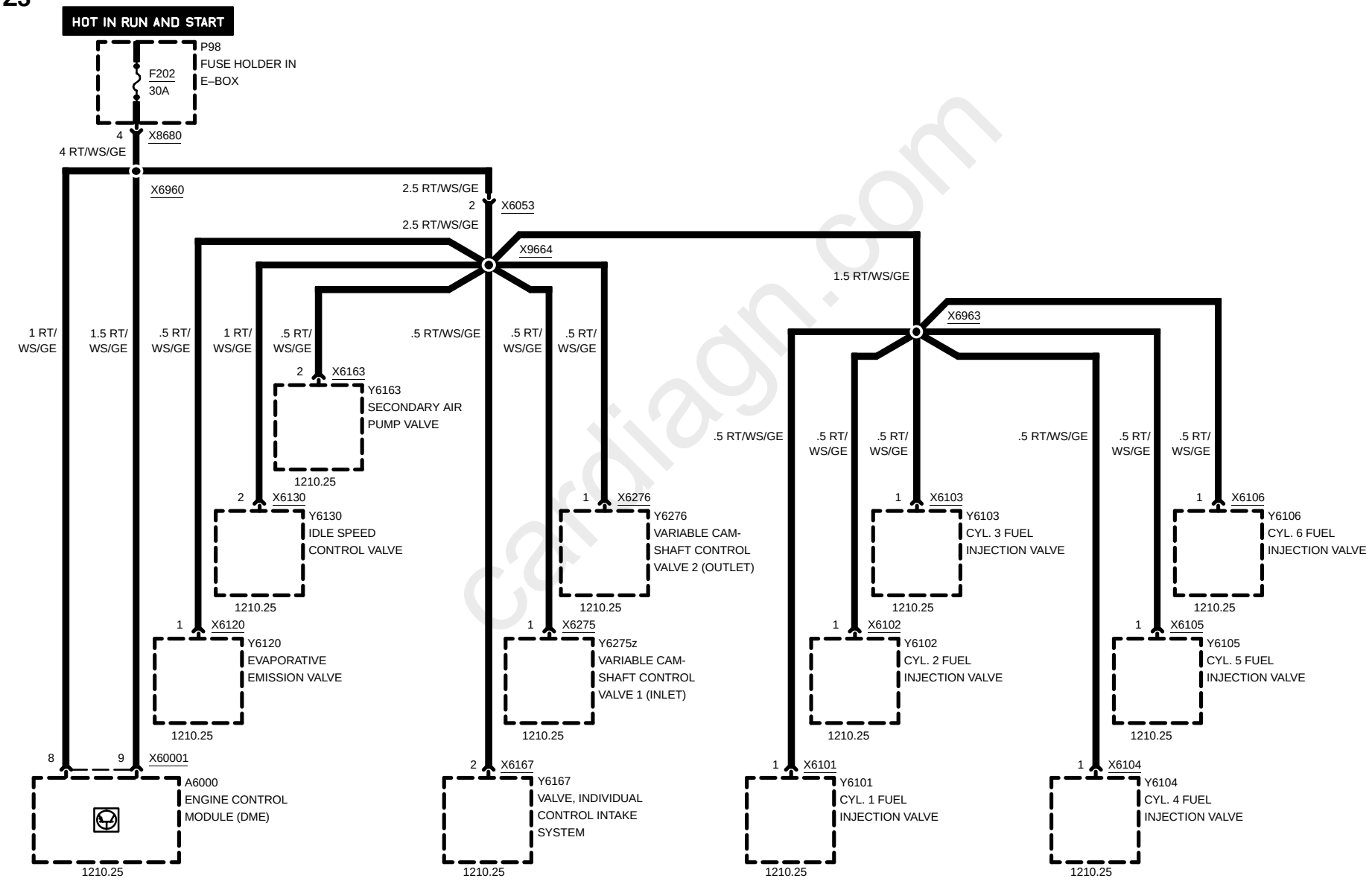
Z3



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FUSE DETAILS

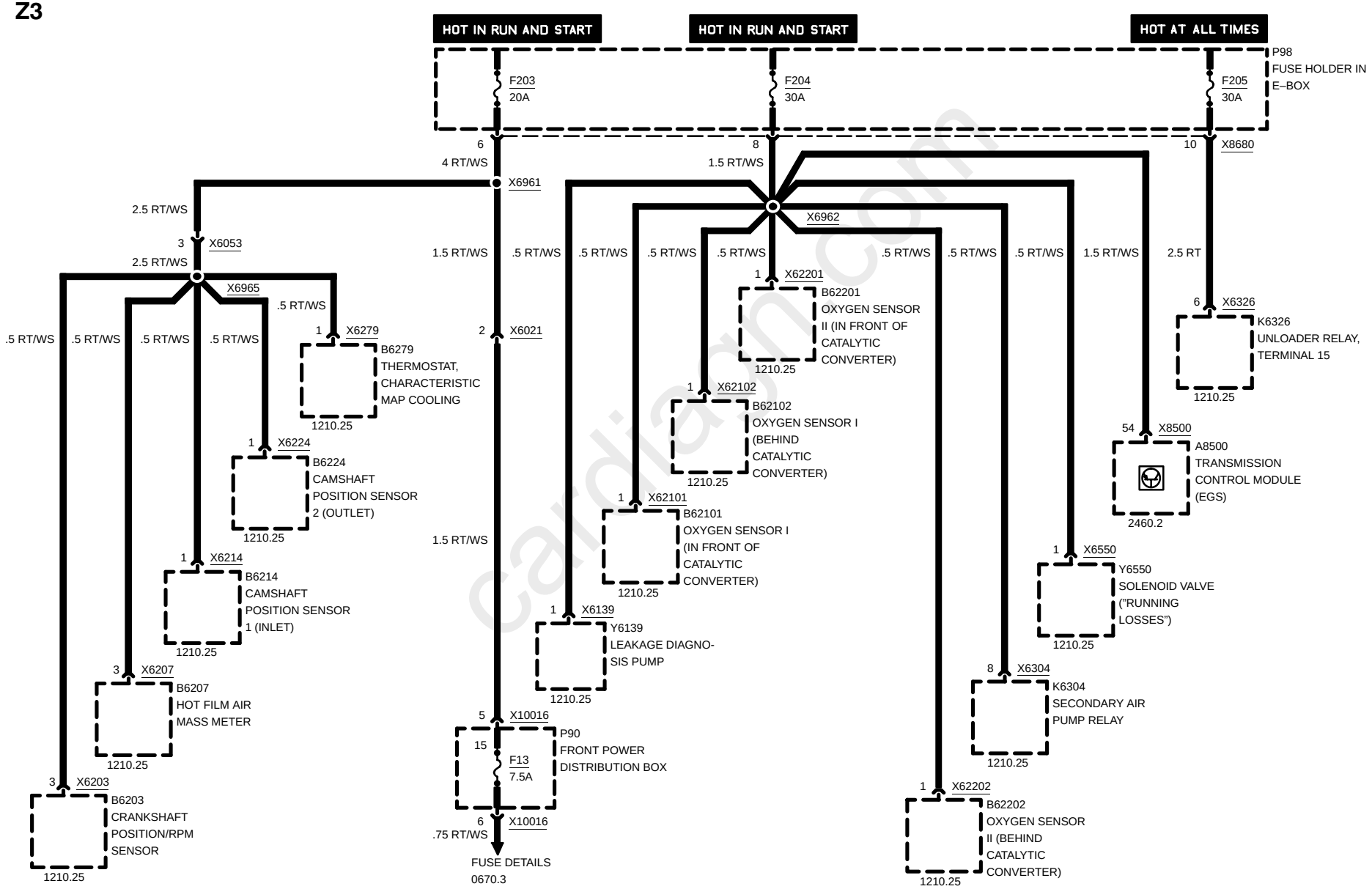
FUSE 202



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FUSE DETAILS

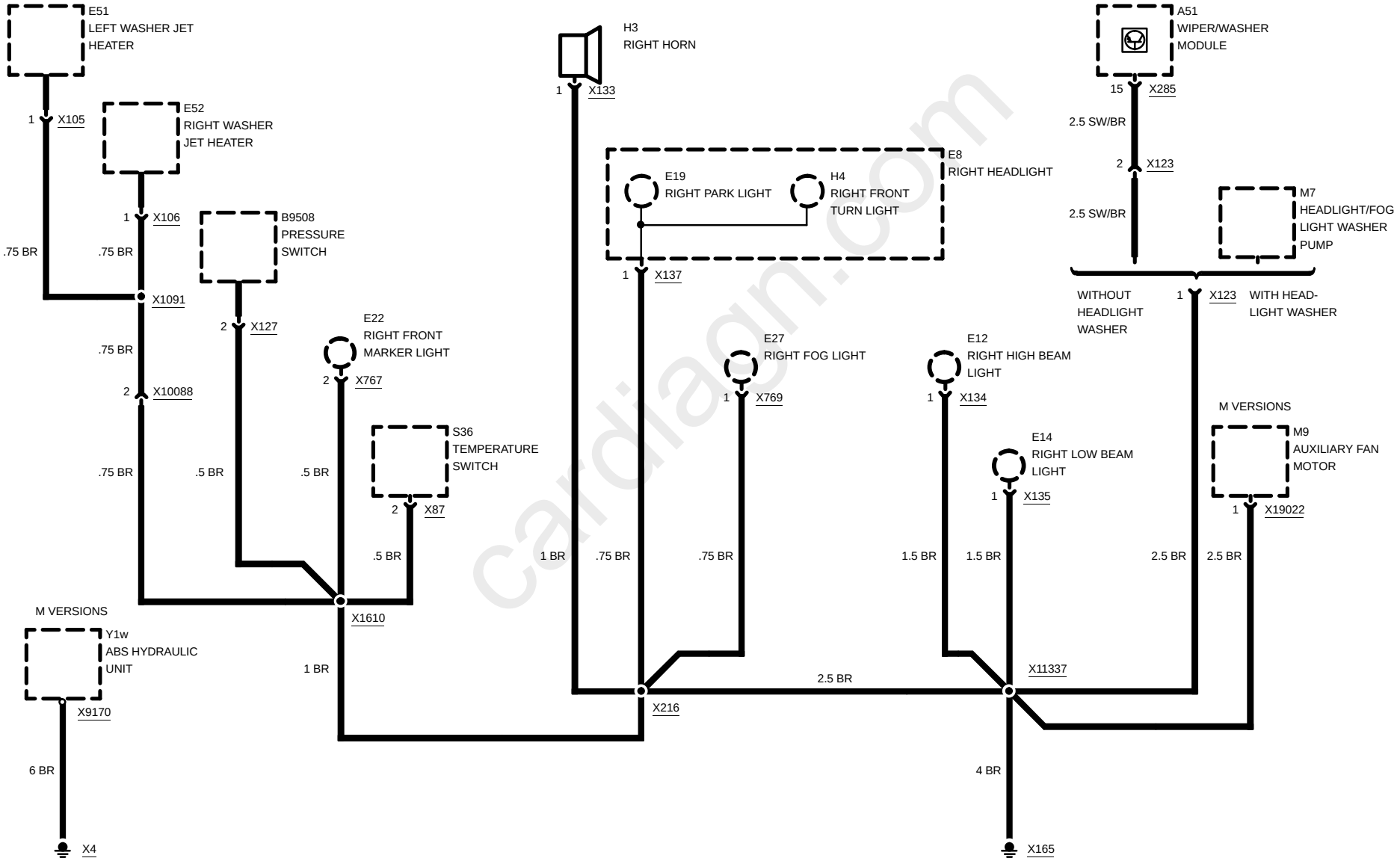
FUSES 203, 204, AND 205



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0670.4 GROUND DISTRIBUTION

GROUND X165

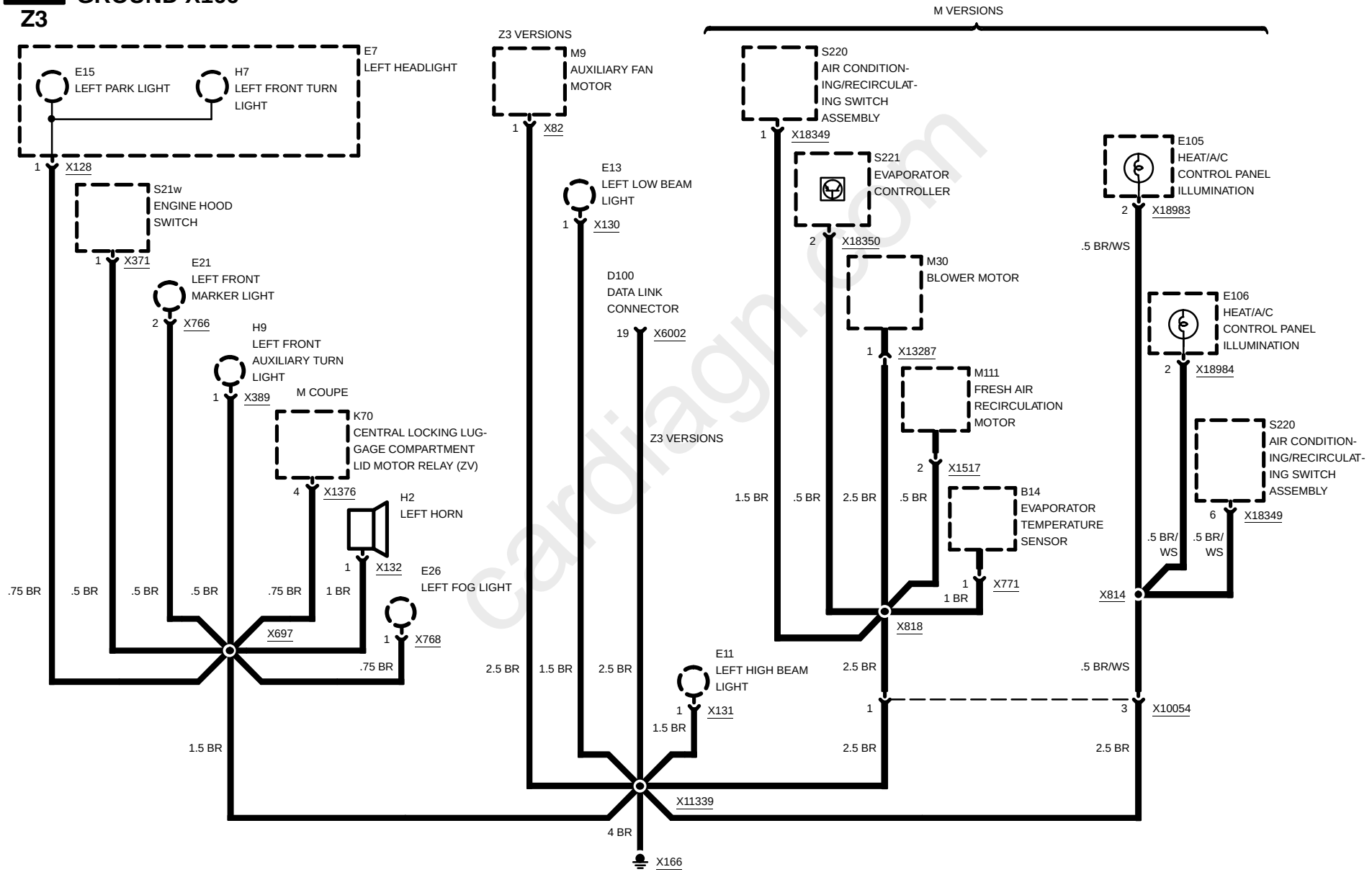


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GROUND DISTRIBUTION

GROUND X166

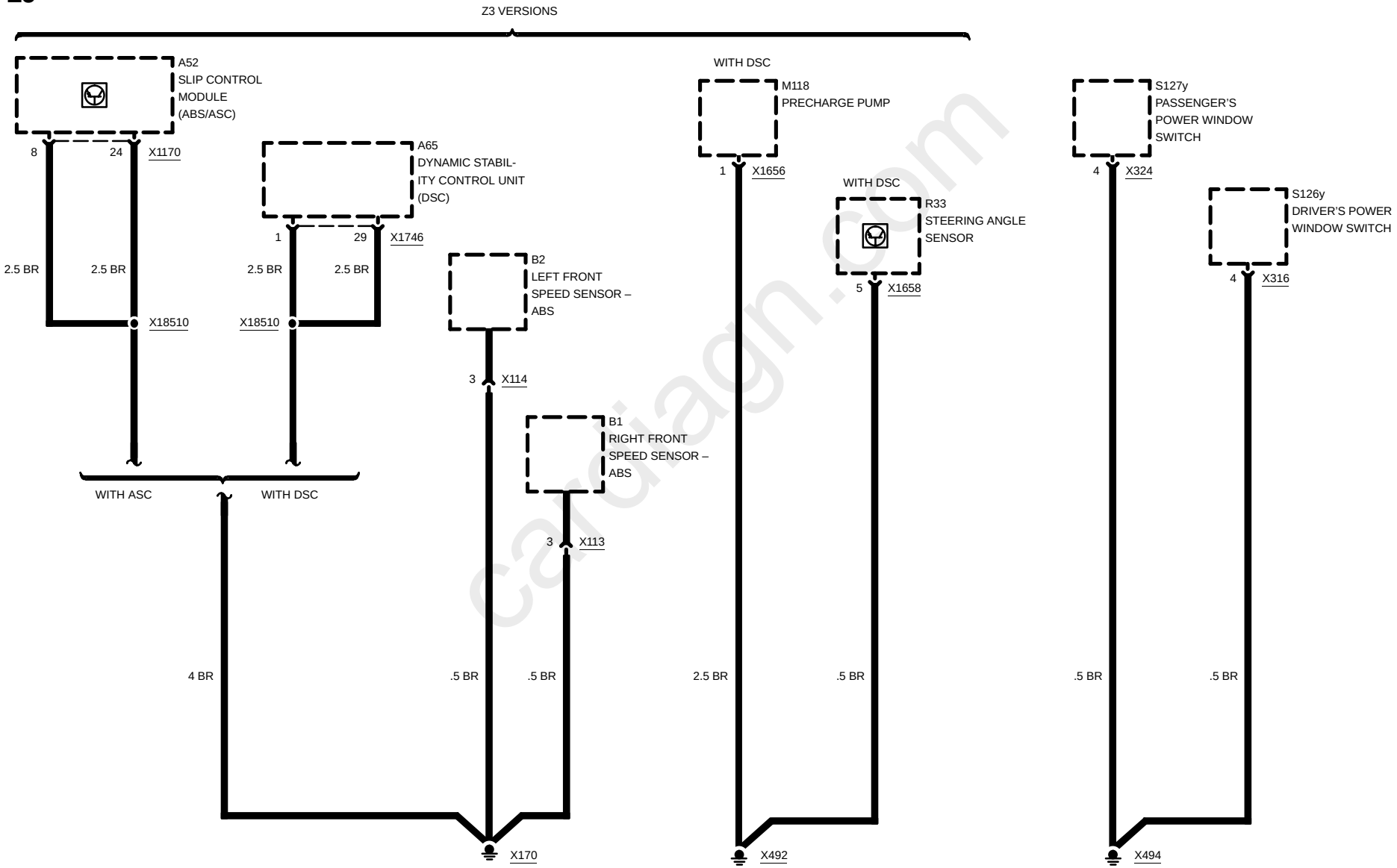
Z3



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GROUND DISTRIBUTION

GROUNDS X170, X492 AND X494

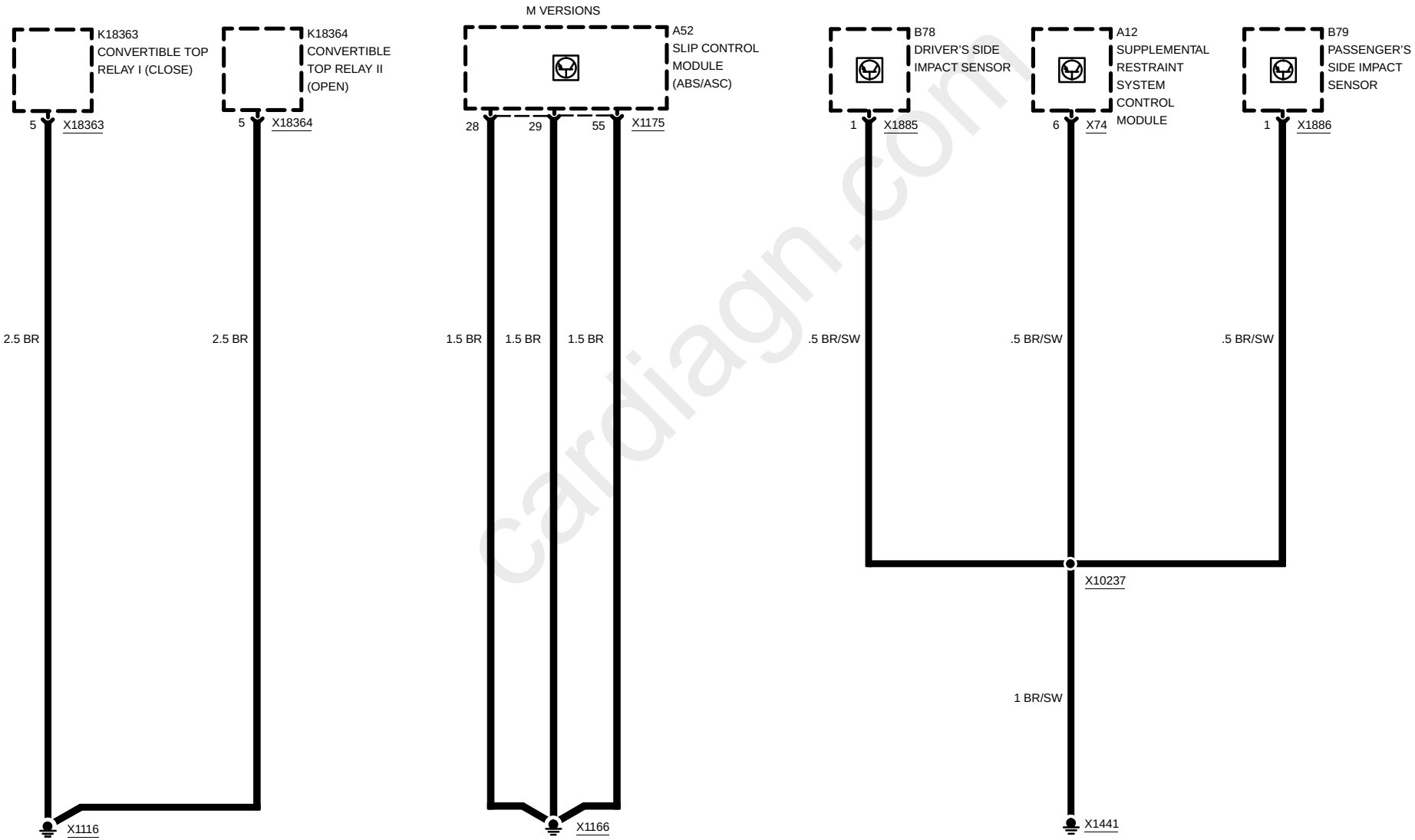


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BMW 3 Z3

GROUND DISTRIBUTION

GROUNDS X1116, X1166, AND X1441

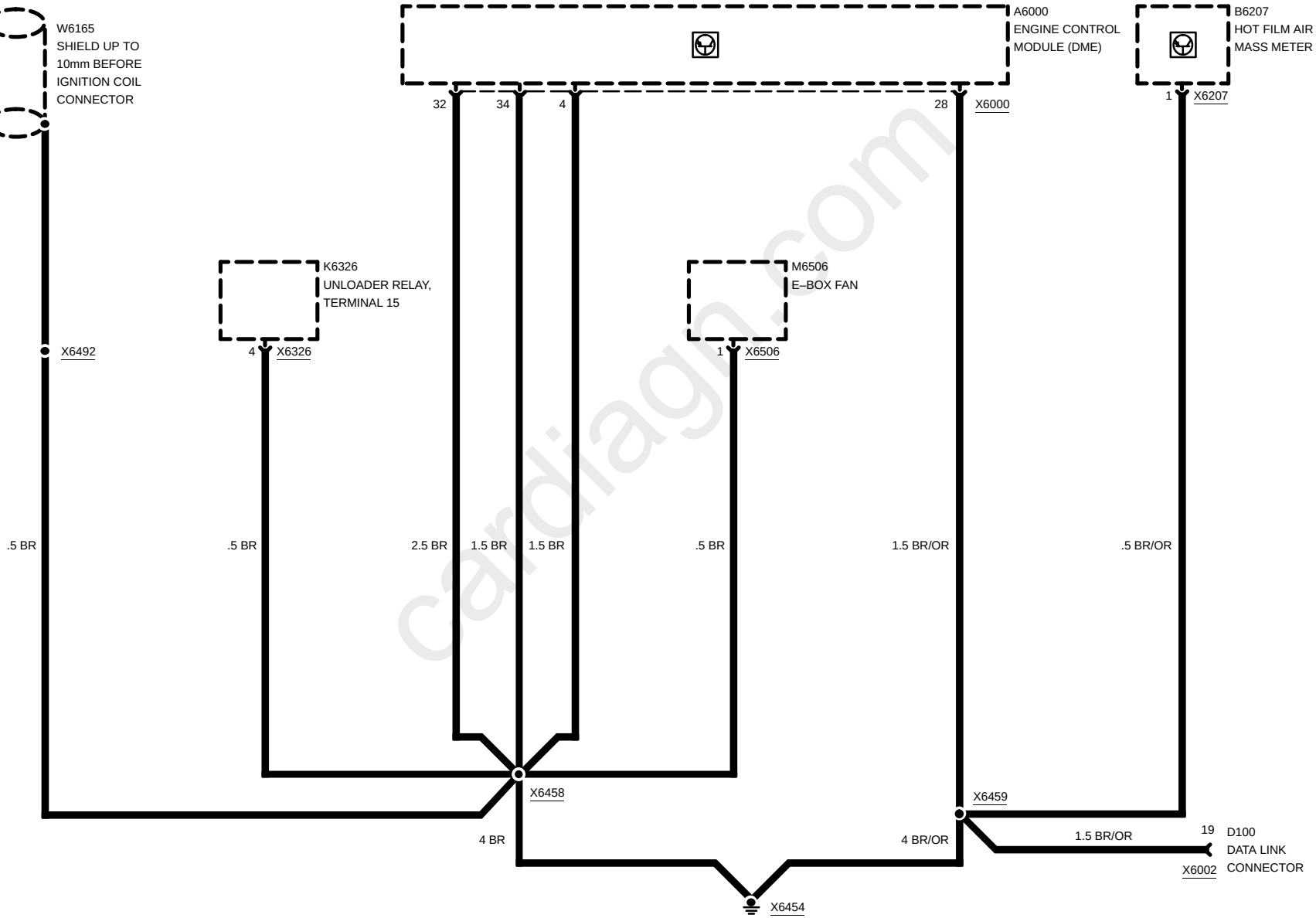


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GROUND DISTRIBUTION

M VERSIONS

GROUND X6454

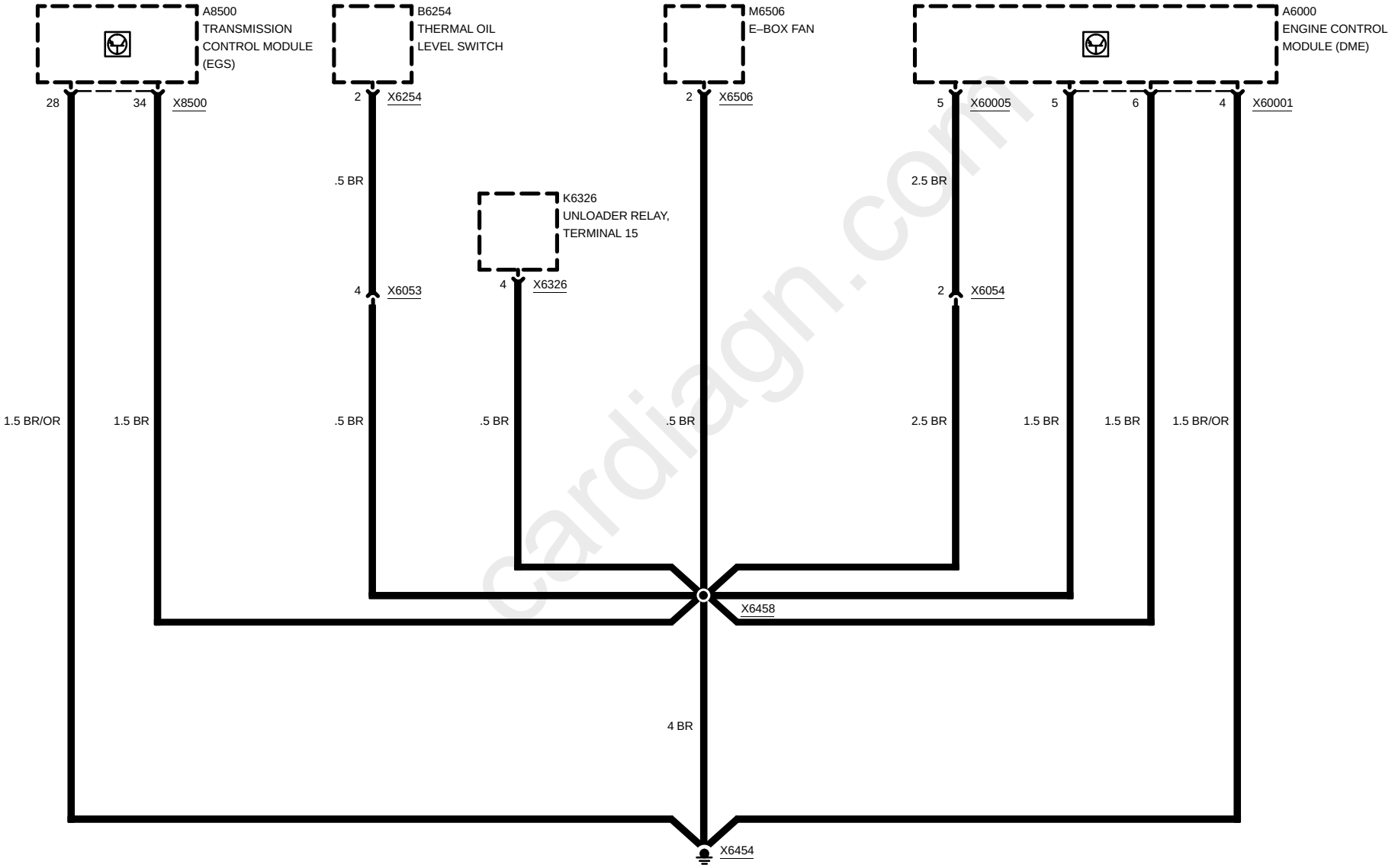


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GROUND DISTRIBUTION

GROUND X6454

Z3 VERSIONS

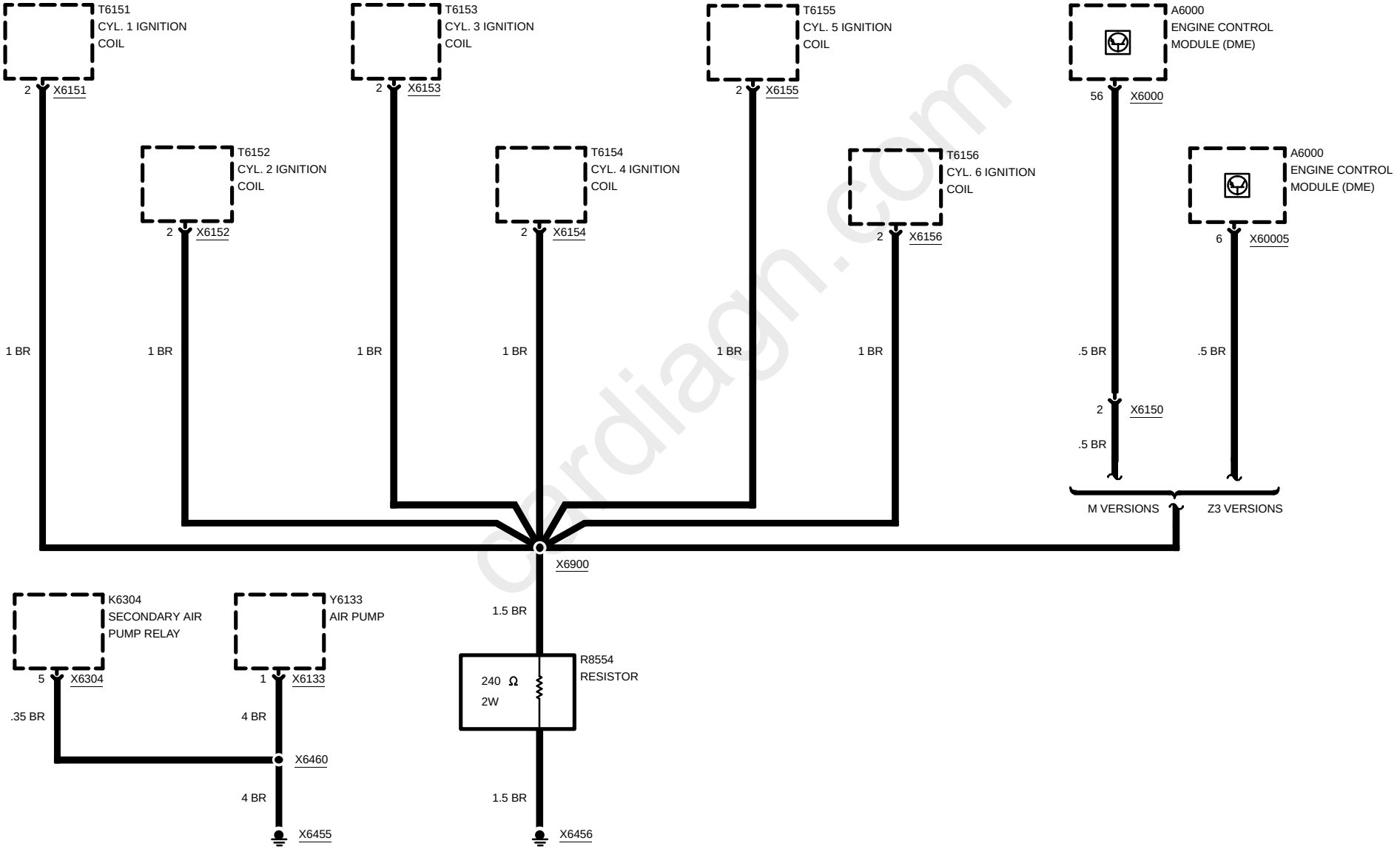


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BMW 3 Z3

GROUND DISTRIBUTION

GROUNDS X6455 AND X6456

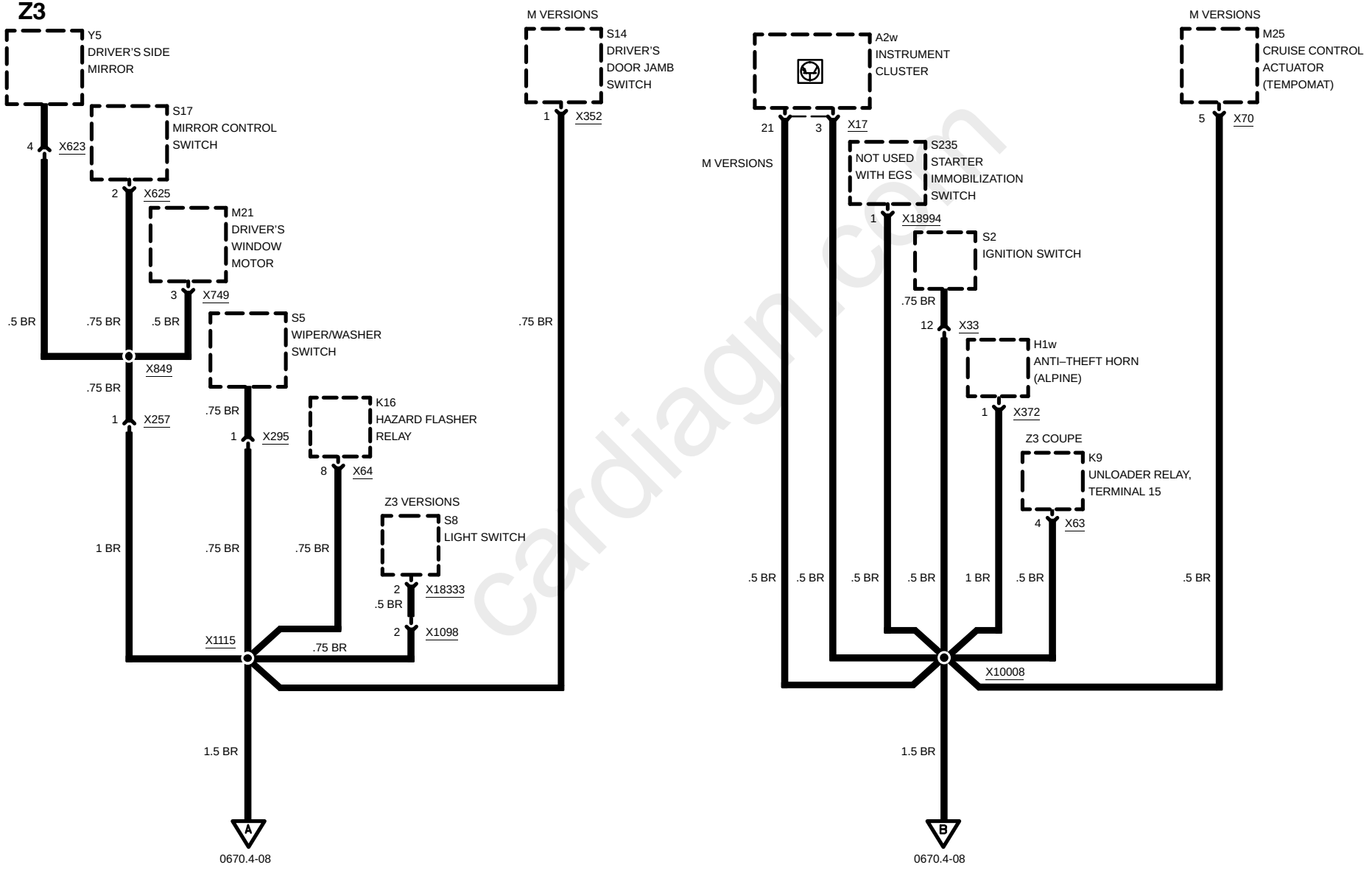


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GROUND DISTRIBUTION

GROUND X9633

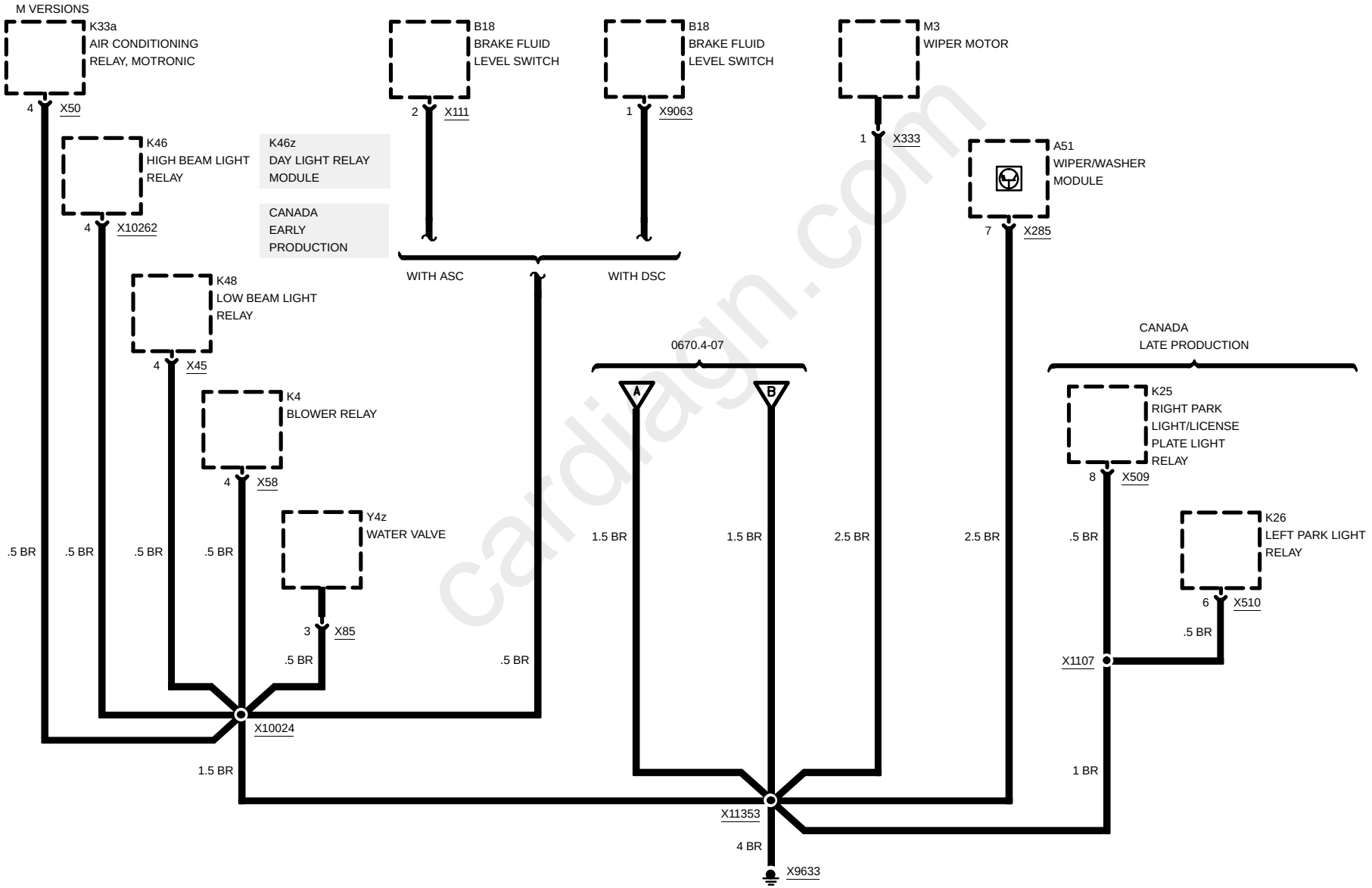
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GROUND DISTRIBUTION

GROUND X9633

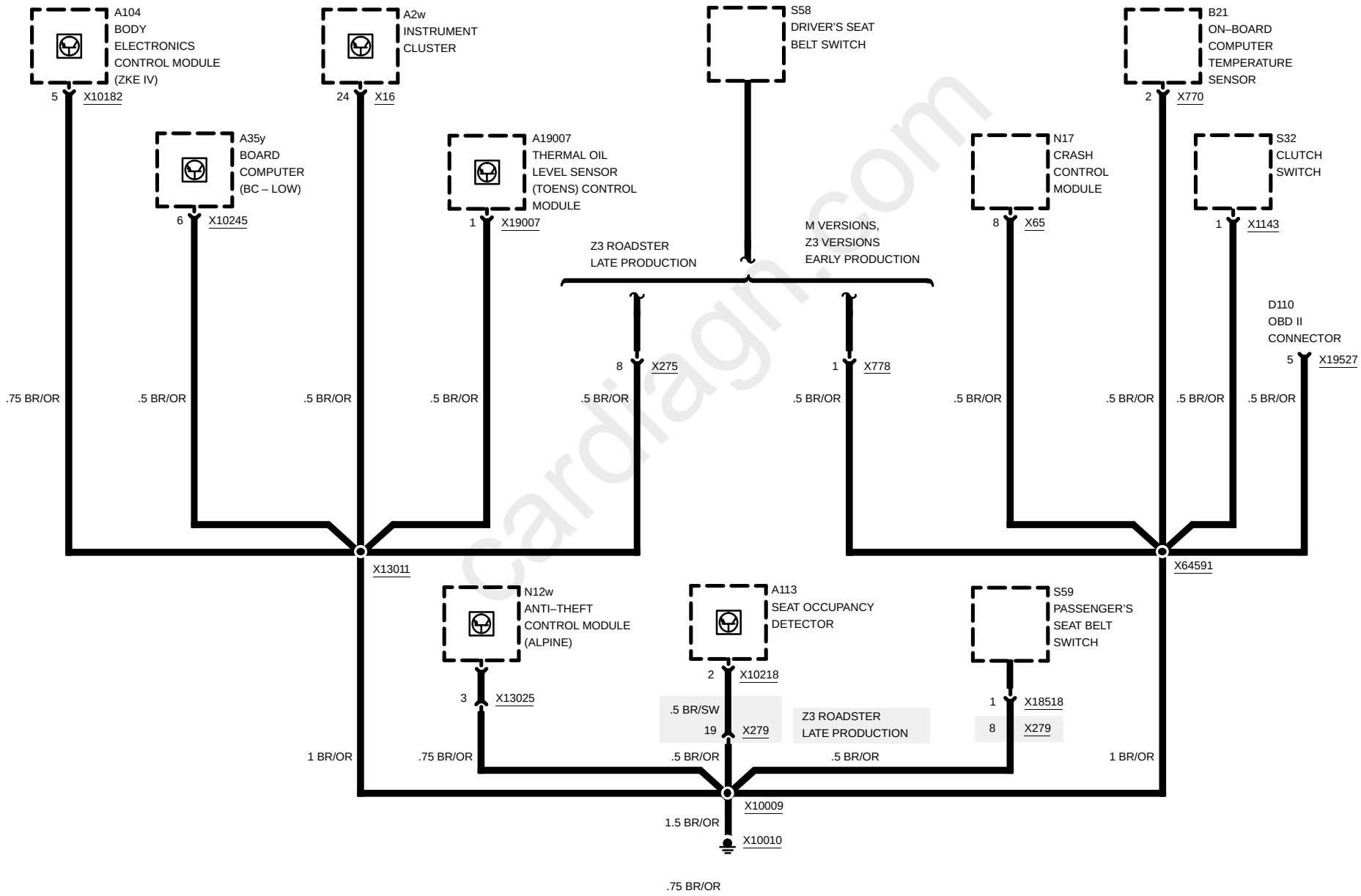


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GROUND DISTRIBUTION

GROUND X10010

Z3 VERSIONS

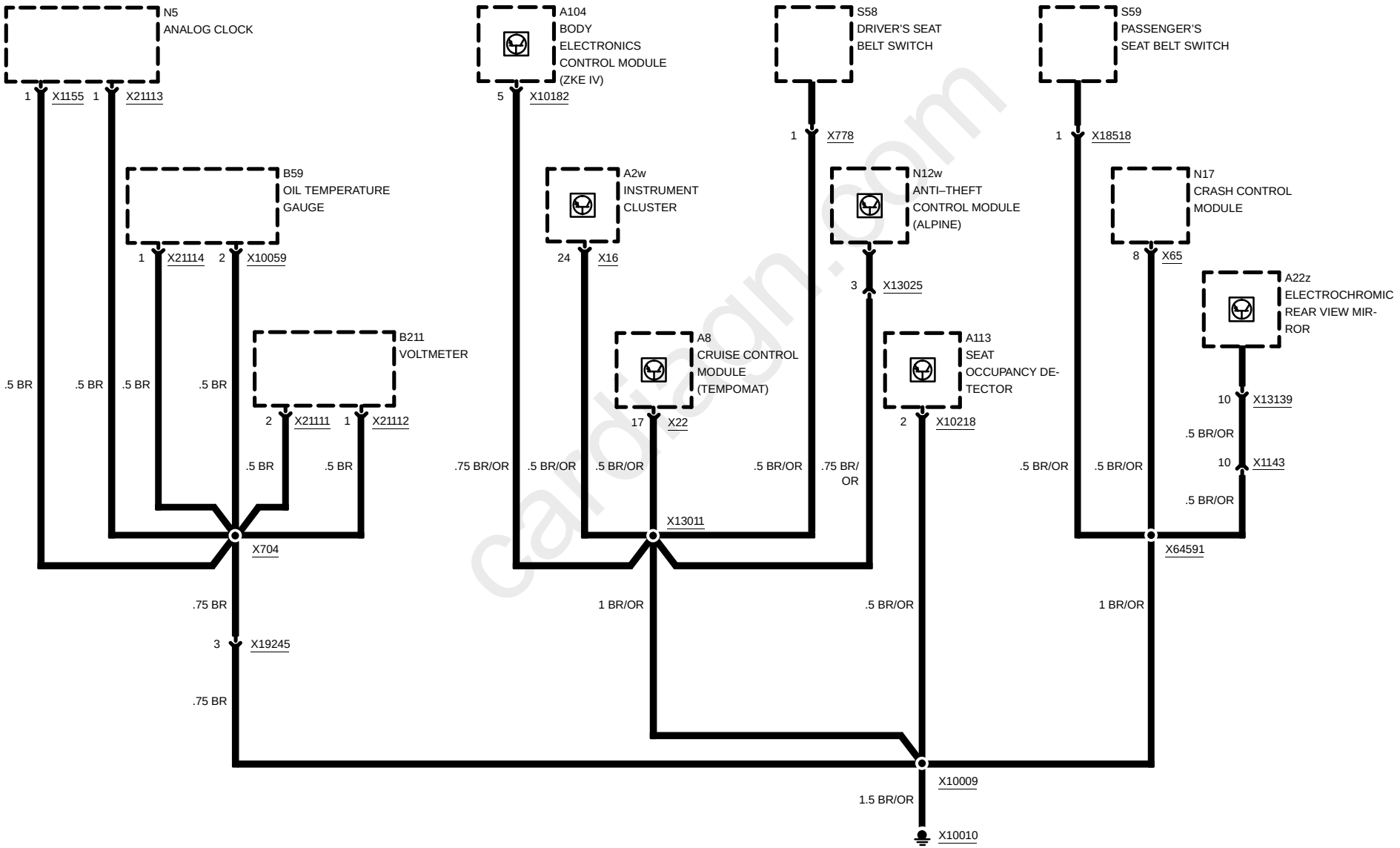


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GROUND DISTRIBUTION

GROUND X10010

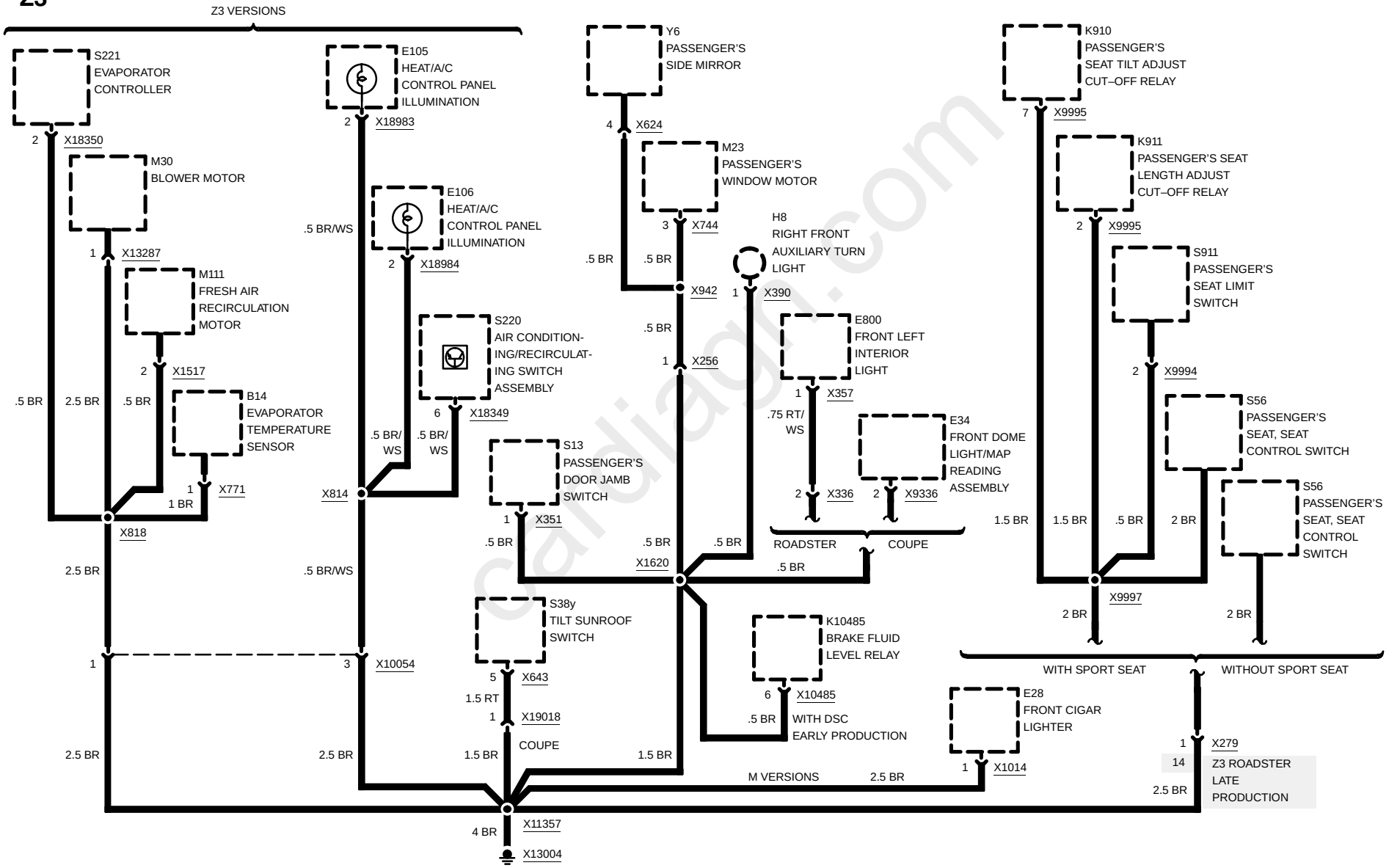
M VERSIONS



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GROUND DISTRIBUTION

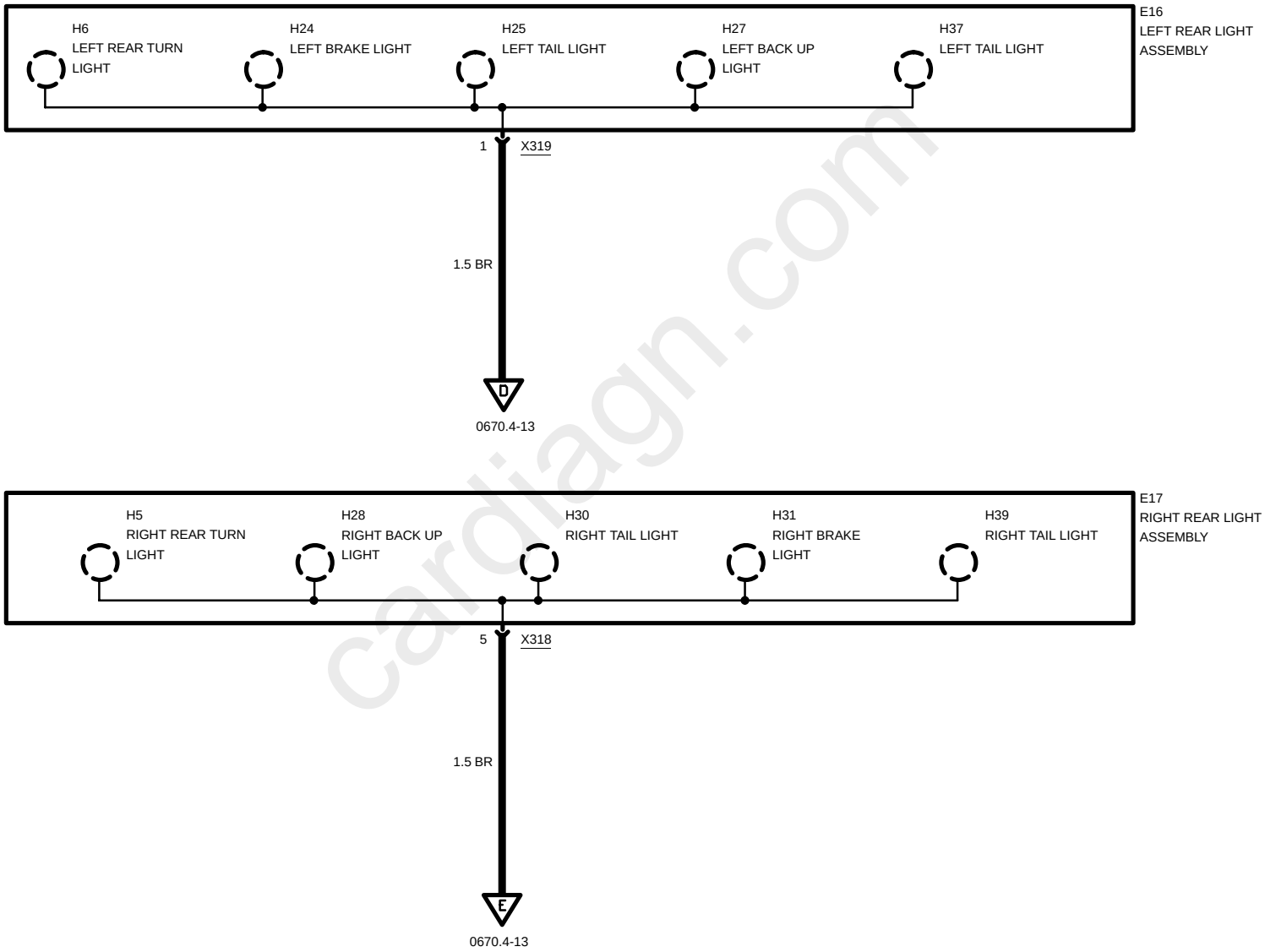
GROUND X13004



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GROUND DISTRIBUTION

GROUND X13006

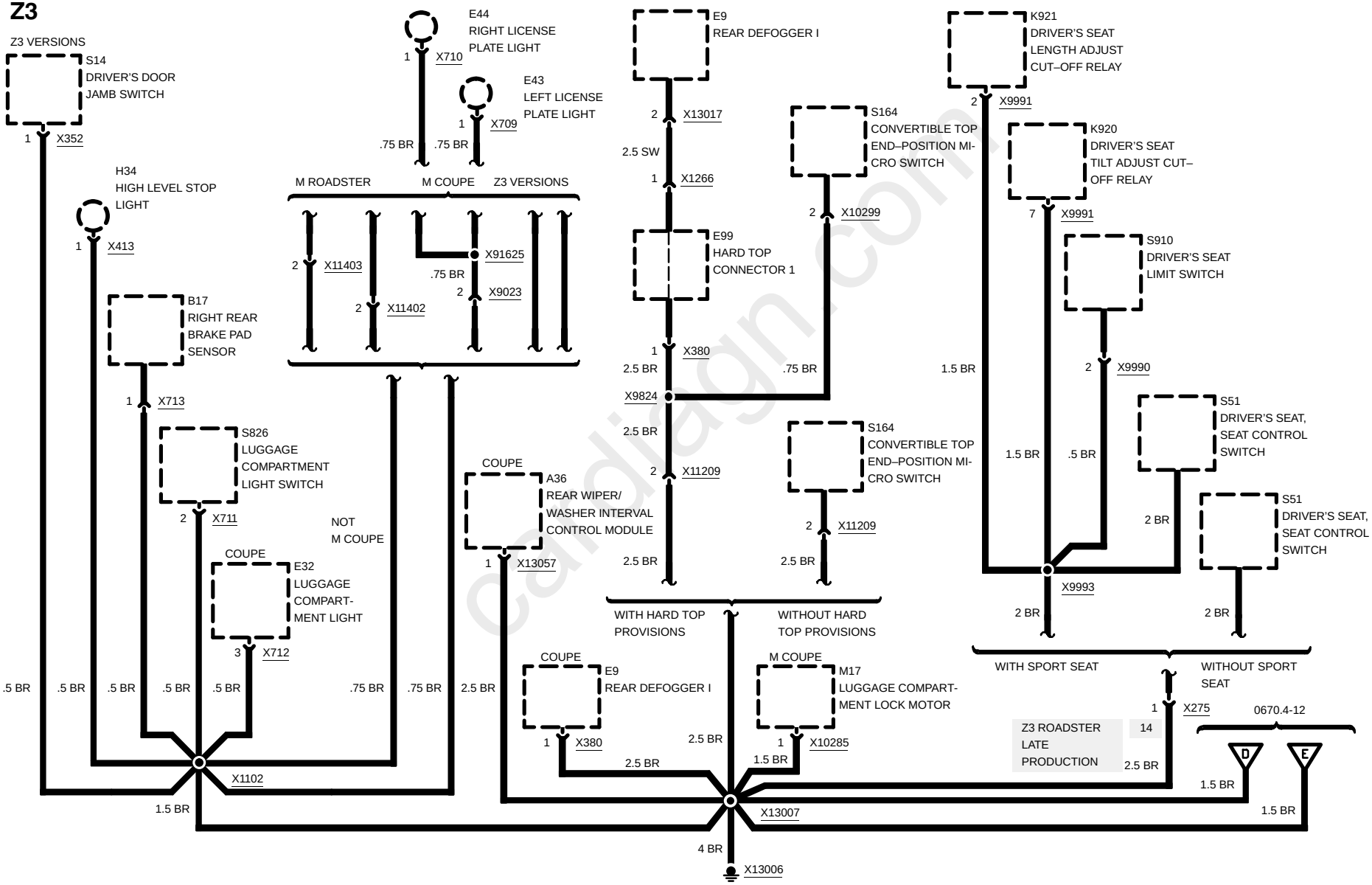


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GROUND DISTRIBUTION

GROUND X13006

Z3

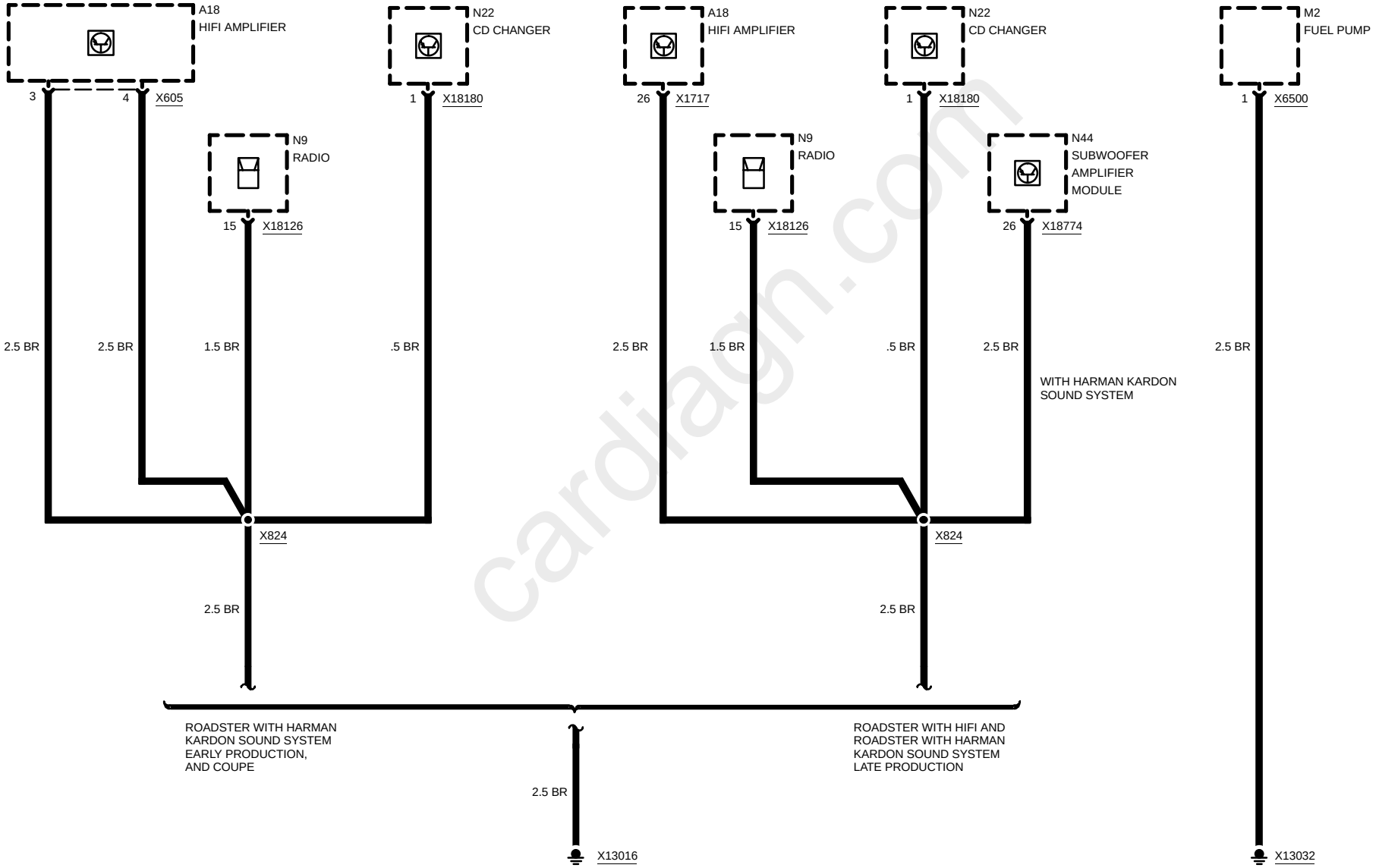


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GROUND DISTRIBUTION

GROUNDS X13016 AND X13032

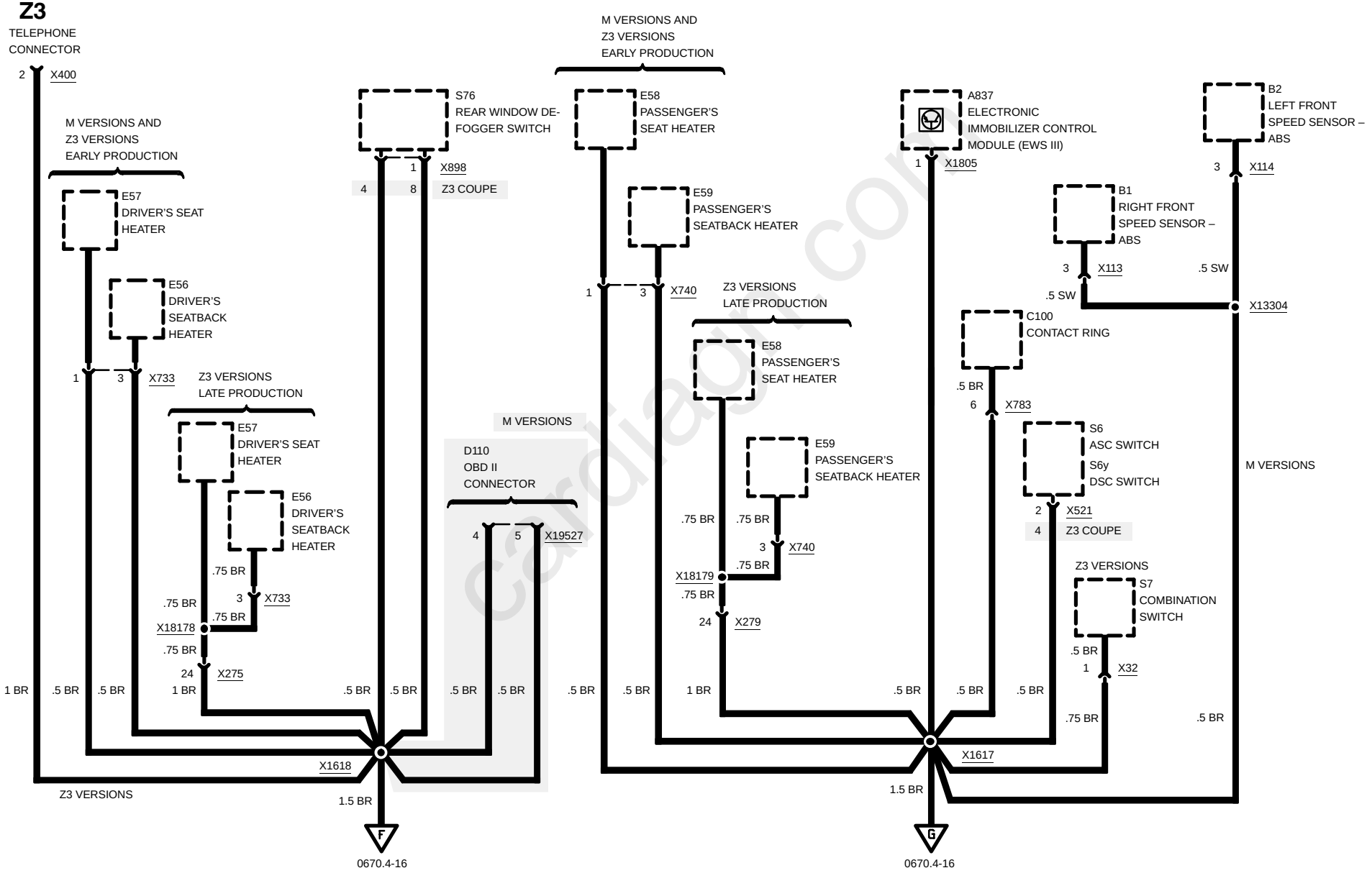
Z3



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GROUND DISTRIBUTION

GROUND X18170

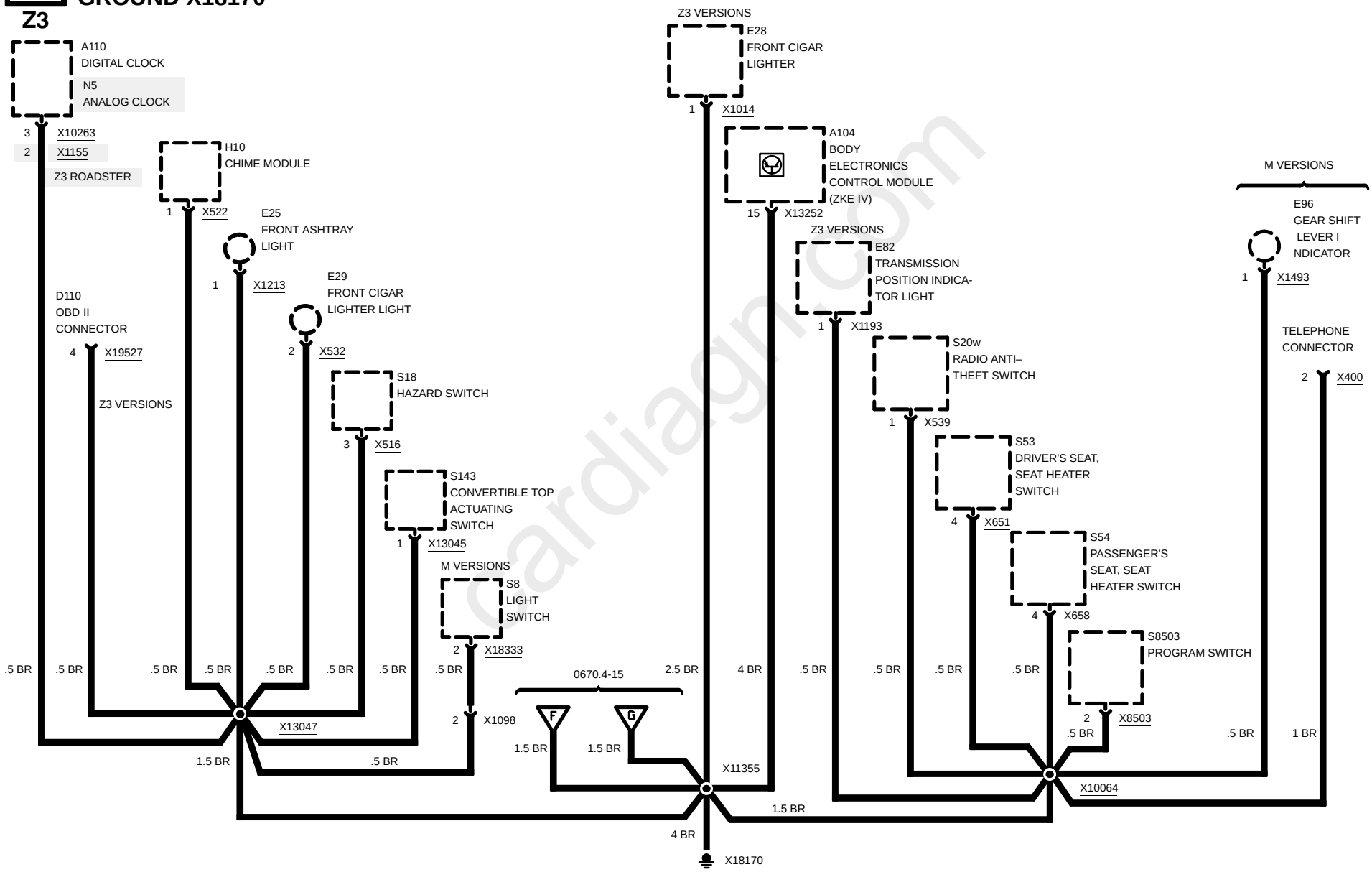


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GROUND DISTRIBUTION

GROUND X18170

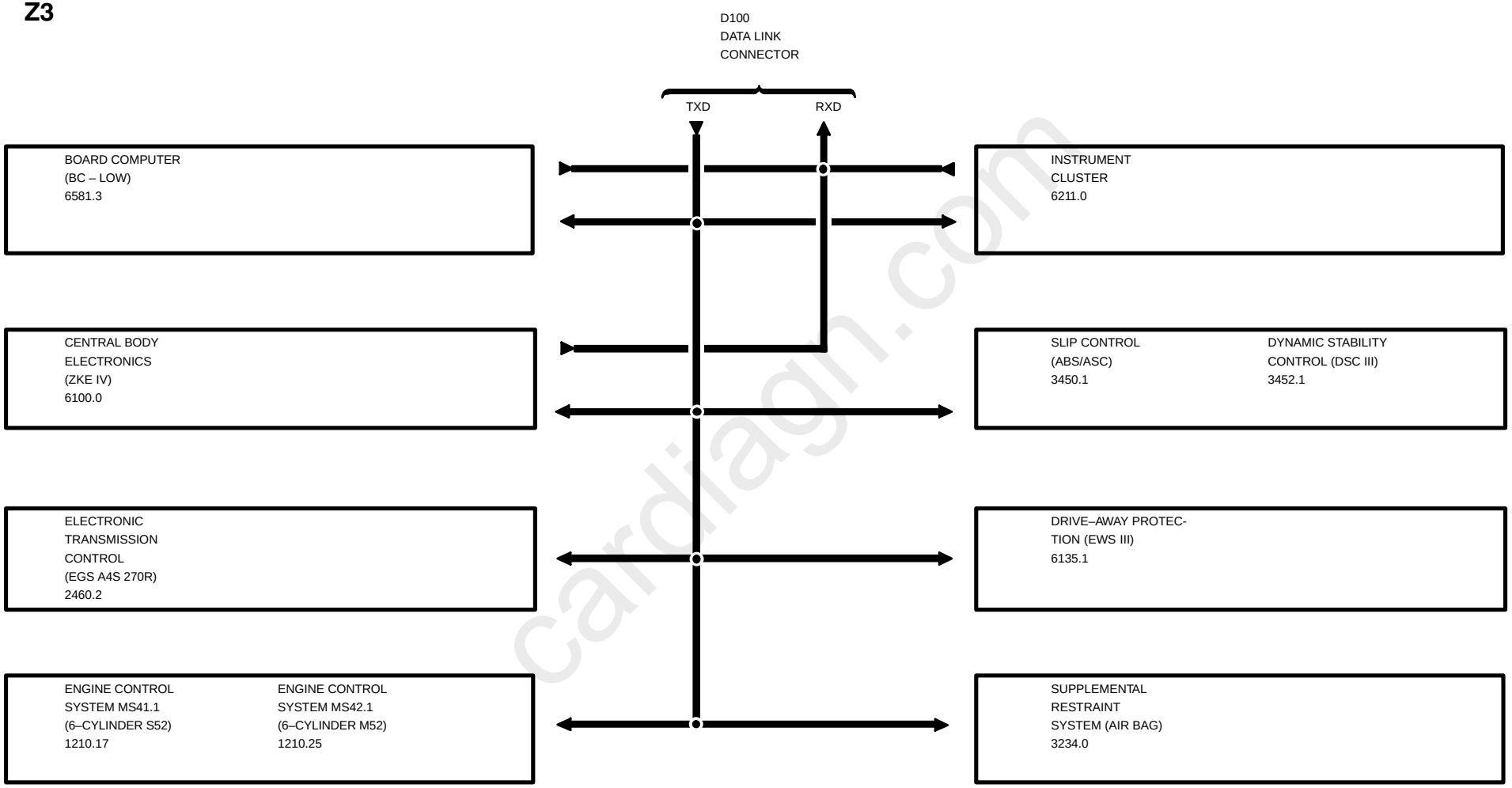
Z3



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0670.5 DATA LINK

BLOCK DIAGRAM

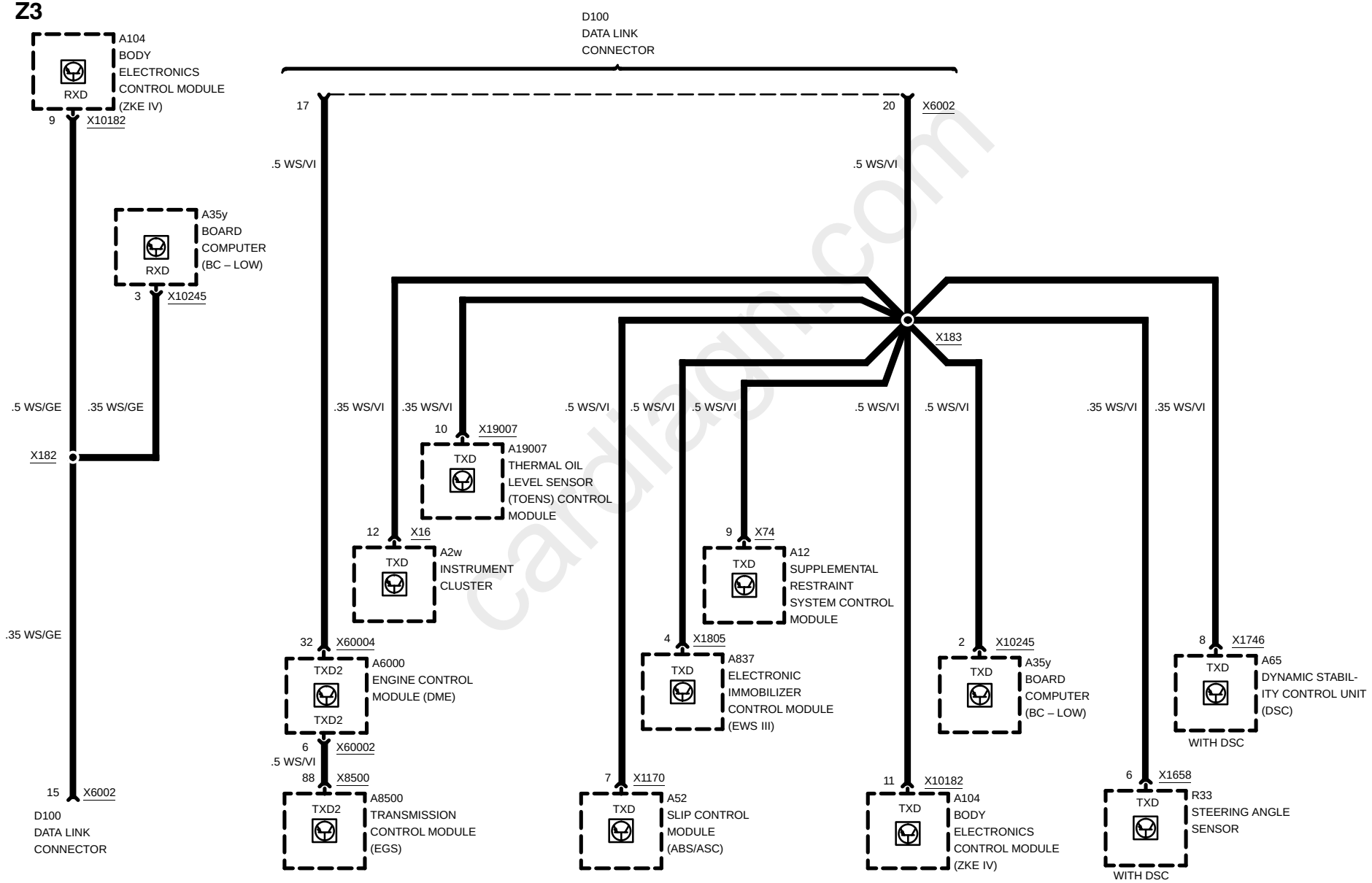


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DATA LINK

RXD AND TXD

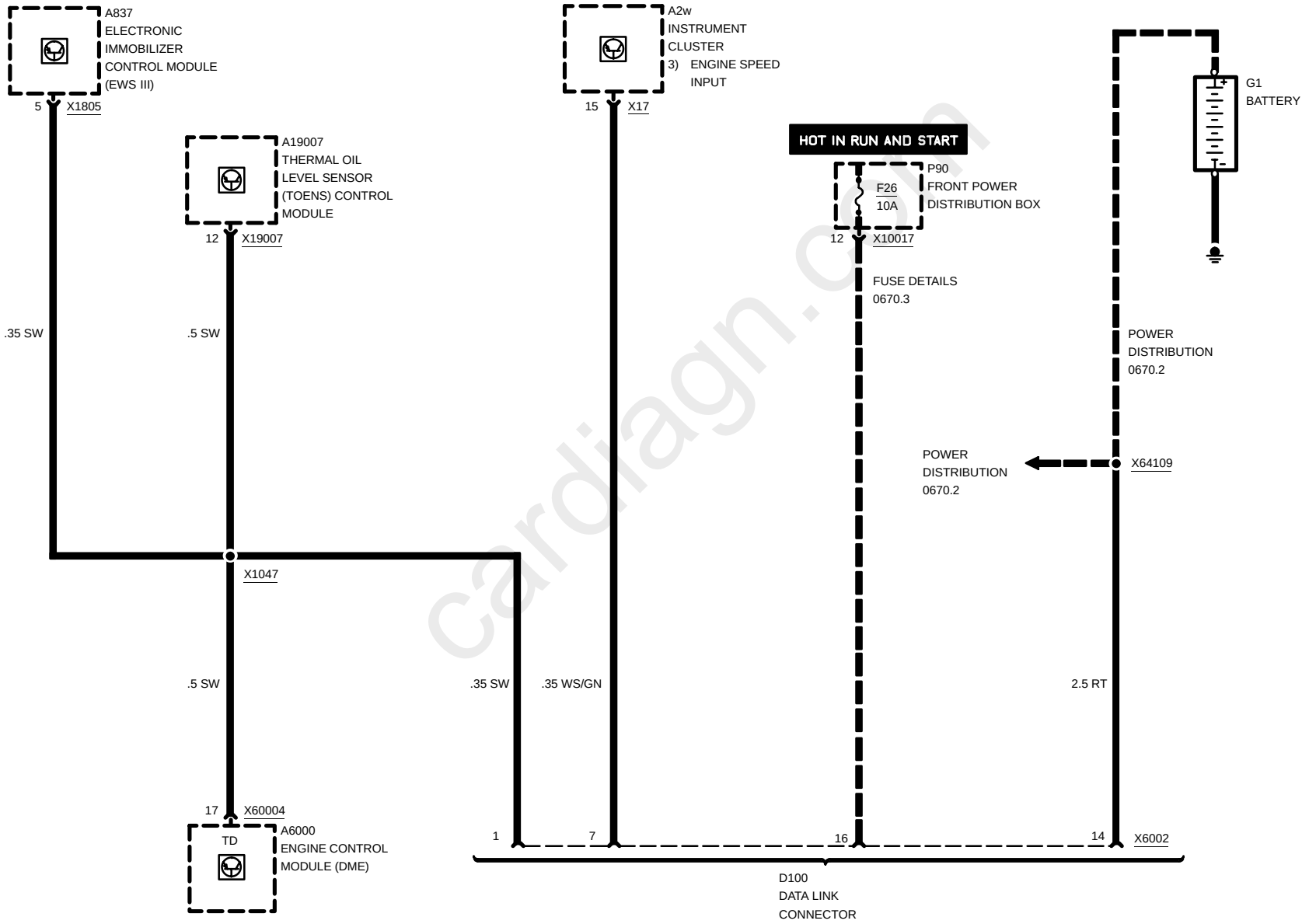
Z3 VERSIONS



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DATA LINK

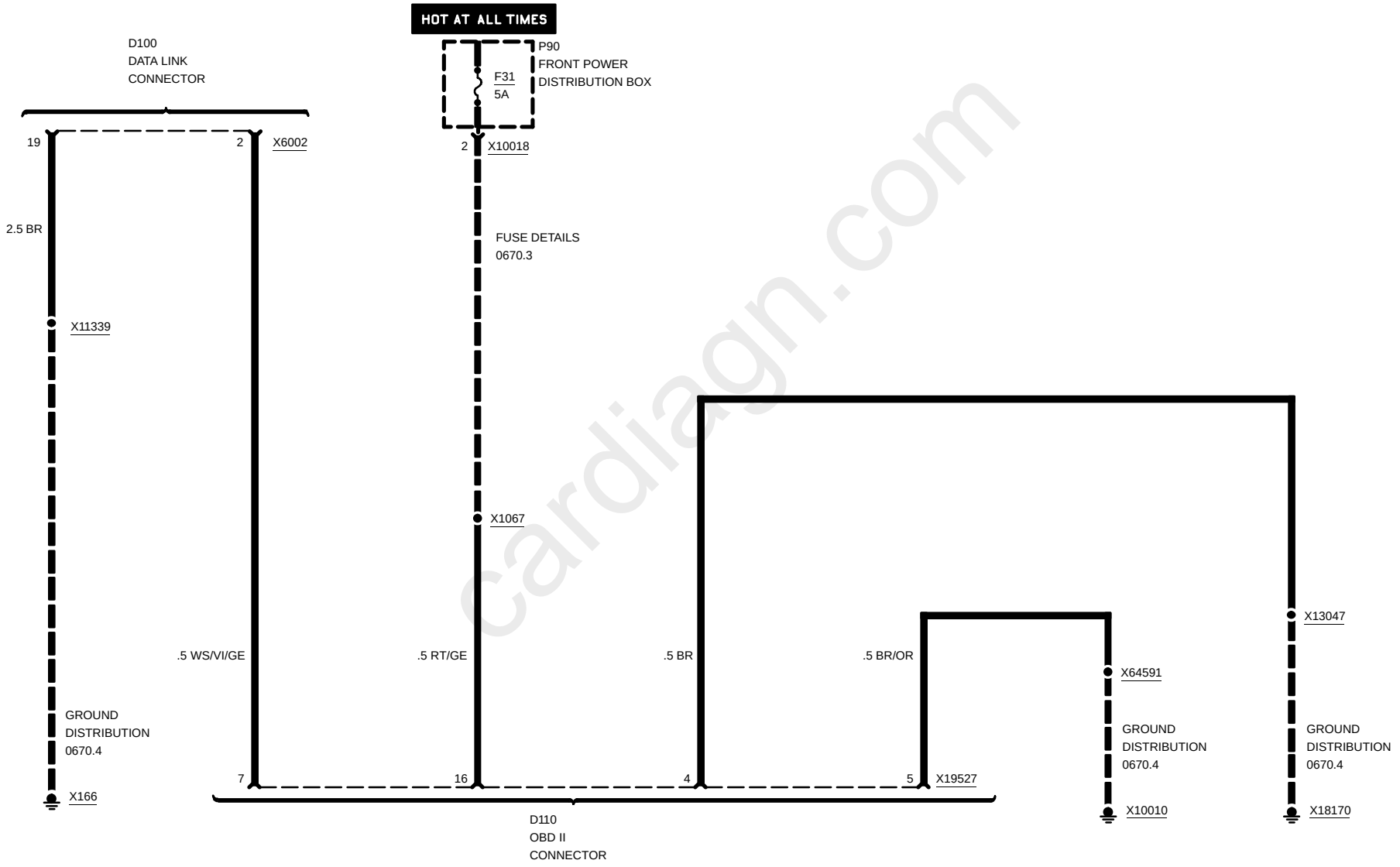
DATA LINK CONNECTOR, PINS 1, 7, 14, AND 16



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DATA LINK

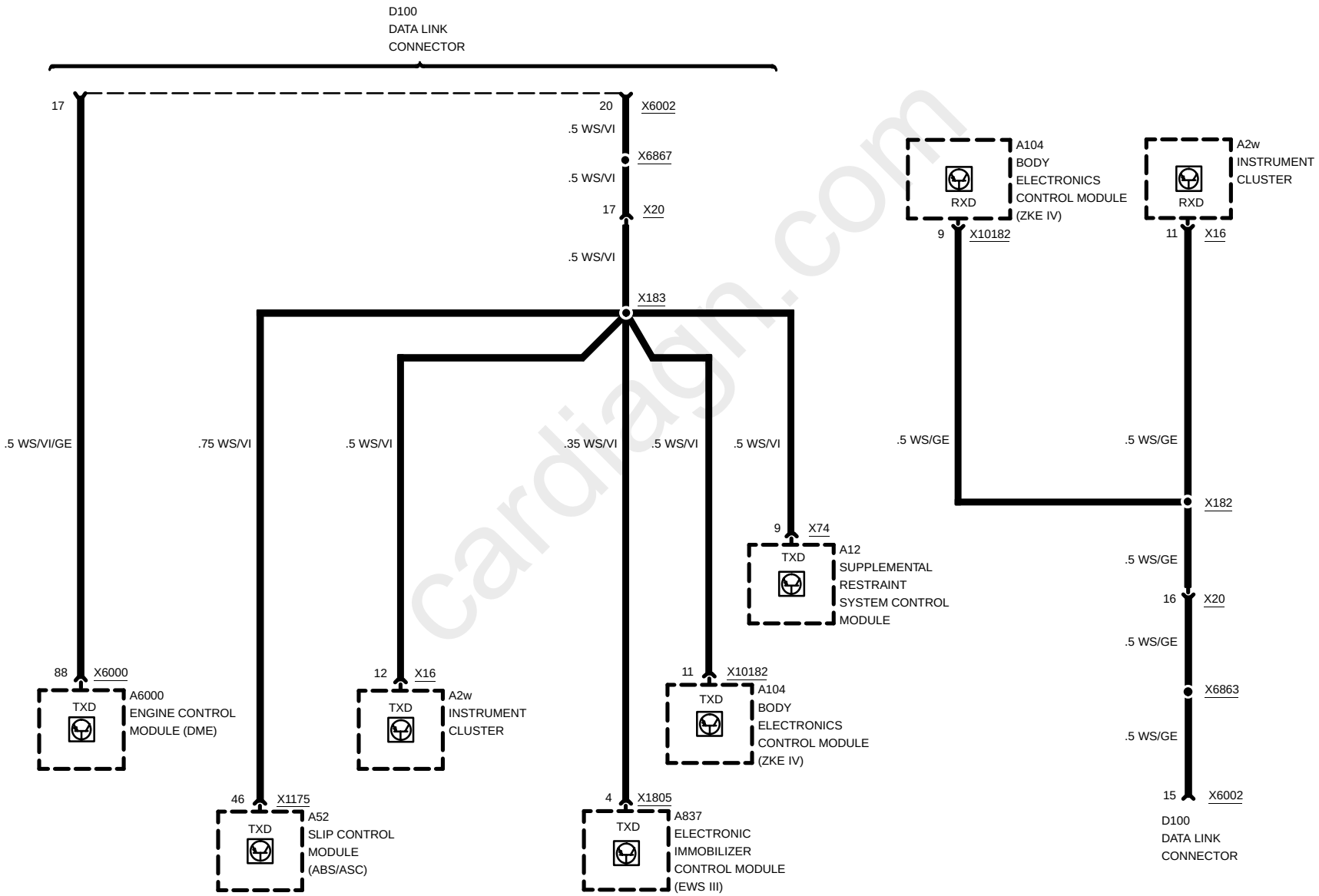
DATA LINK CONNECTOR, PINS 2 AND 19, AND OBD II CONNECTOR



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DATA LINK

TXD AND RXD

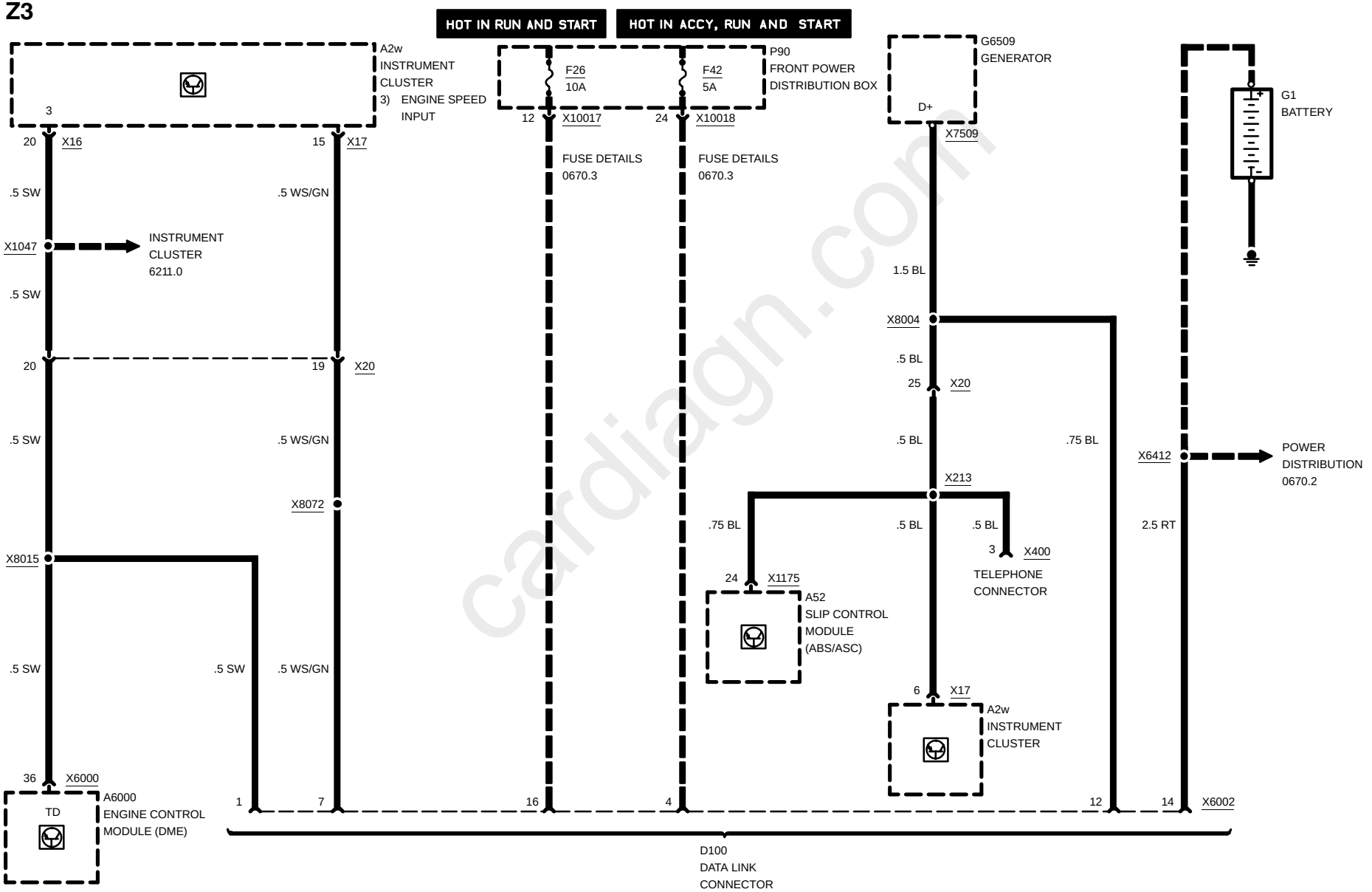


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DATA LINK

M VERSIONS

DATA LINK CONNECTOR, PINS 1, 7, 16, 4, 12, AND 14

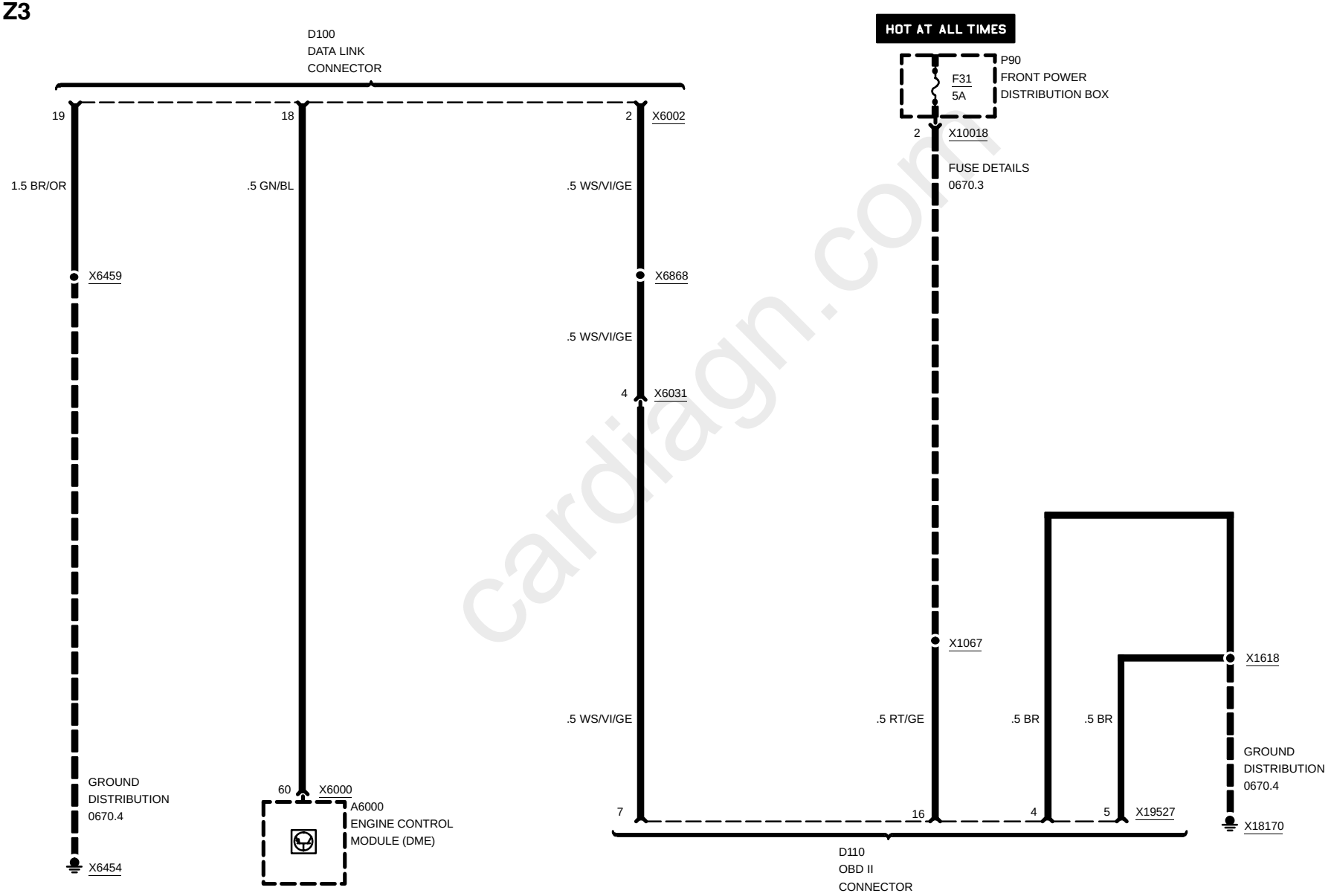


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DATA LINK

M VERSIONS

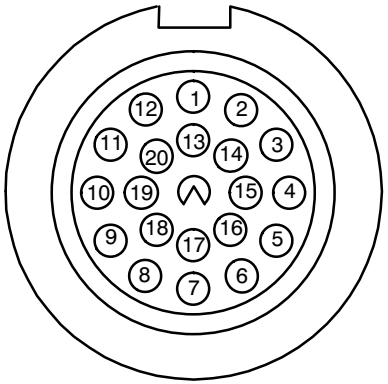
DATA LINK CONNECTOR, PINS 19, 18, 2, AND OBD II CONNECTOR



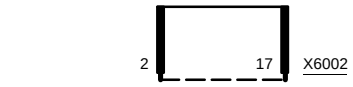
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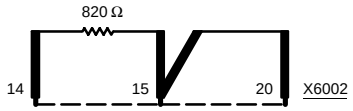
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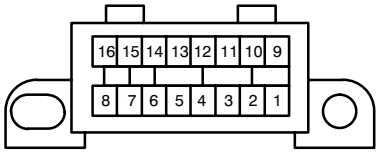
DATA LINK CONNECTOR (X6002)



BRIDGES IN CAP OF D100 DATA LINK CONNECTOR







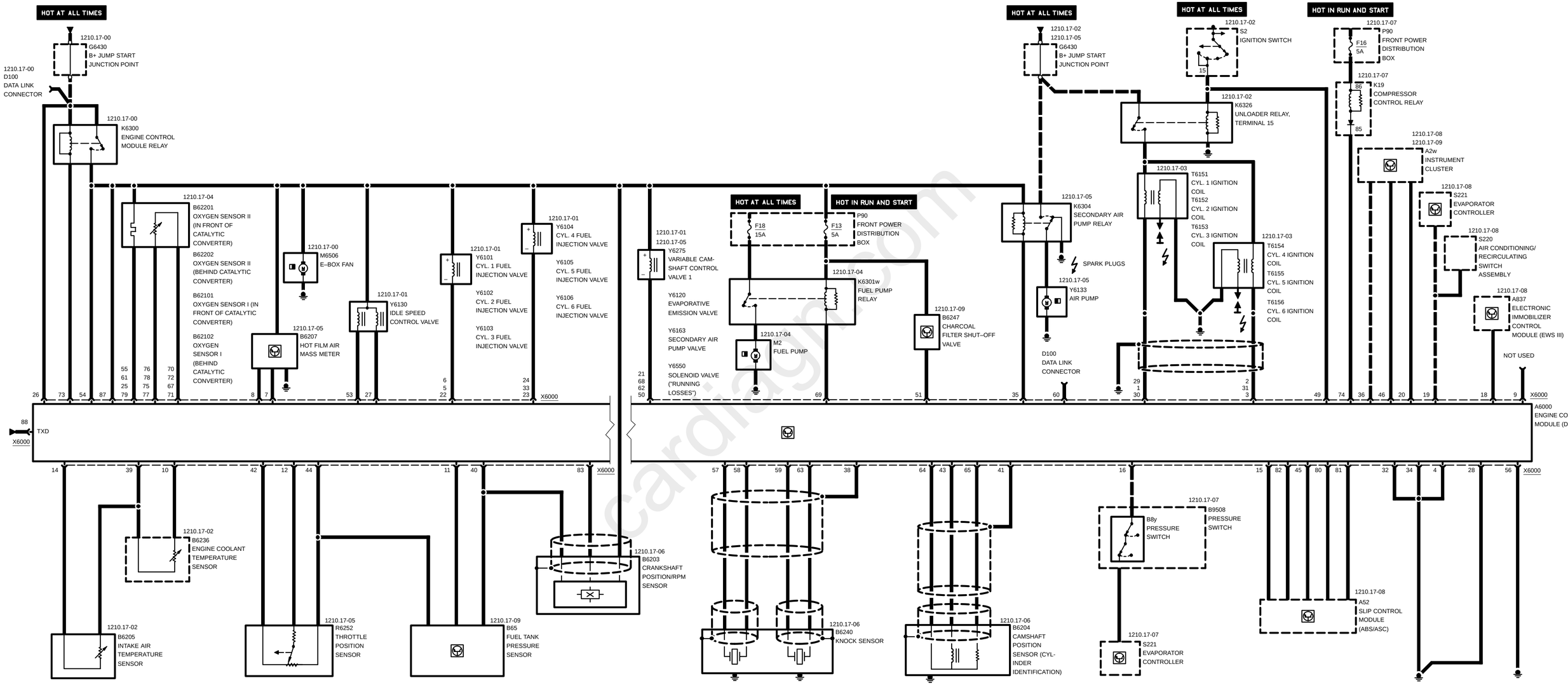
BRIDGE IN CAP OF D110 OBD II CONNECTOR

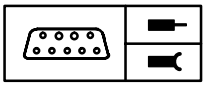


PIN NUMBER	TERMINAL NUMBER	TERMINAL DESCRIPTION	WIRE COLOR
1	TD	ENGINE	SW
2	TXD2	DIAGNOSTIC DATA LINK	WS/VI/GE
3	–	NOT OCCUPIED	
*4	R	VOLTAGE: HOT IN ACCY, RUN AND START	VI/GN
5	–	NOT OCCUPIED	
6	–	NOT OCCUPIED	
7	SI	SERVICE INTERVAL RESET	WS/GN
8	–	NOT OCCUPIED	
9	–	NOT OCCUPIED	
10	–	NOT OCCUPIED	
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	TXD2	DIAGNOSTIC DATA LINK	WS/VI (*WS/VI/GE)
*18	PGSP	PROGRAM SELECT FOR ENGINE CONTROL MODULE (DME)	GN/BL
19	31	GROUND	BR (*BR/OR)
20	TXD	DIAGNOSTIC DATA LINK	WS/VI

* M VERSIONS

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HOT AT ALL TIMES
1210.17-00
G6430
B+ JUMP START
JUNCTION POINT
1210.17-00
D100
DATA LINK
CONNECTOR
1210.17-00
K6300
ENGINE CONTROL
MODULE RELAY
1210.17-04
B62201
OXYGEN SENSOR II
(IN FRONT OF
CATALYTIC
CONVERTER)
B62202
OXYGEN SENSOR II
(BEHIND CATALYTIC
CONVERTER)
B62101
OXYGEN SENSOR I (IN
FRONT OF CATALYTIC
CONVERTER)
B62102
OXYGEN
SENSOR I
(BEHIND
CATALYTIC
CONVERTER)
1210.17-00
M6506
E–BOX FAN
1210.17-05
B6207
HOT FILM AIR
MASS METER
1210.17-01
Y6130
IDLE SPEED
CONTROL VALVE
1210.17-01
Y6101
CYL. 1 FUEL
INJECTION VALVE
Y6102
CYL. 2 FUEL
INJECTION VALVE
Y6103
CYL. 3 FUEL
INJECTION VALVE
1210.17-01
Y6104
CYL. 4 FUEL
INJECTION VALVE
Y6105
CYL. 5 FUEL
INJECTION VALVE
Y6106
CYL. 6 FUEL
INJECTION VALVE
X6000
88
X6000
TXD
1210.17-01
1210.17-05
Y6275
VARIABLE CAM-
SHAFT CONTROL
VALVE 1
Y6120
EVAPORATIVE
EMISSION VALVE
Y6163
SECONDARY AIR
PUMP VALVE
Y6550
SOLENOID VALVE
("RUNNING
LOSSES")
HOT AT ALL TIMES
HOT IN RUN AND START
F18
15A
F13
5A
P90
FRONT POWER
DISTRIBUTION
BOX
1210.17-04
K6301w
FUEL PUMP
RELAY
1210.17-04
M2
FUEL PUMP
1210.17-09
B6247
CHARCOAL
FILTER SHUT–OFF
VALVE
HOT AT ALL TIMES
1210.17-02
1210.17-05
G6430
B+ JUMP START
JUNCTION POINT
1210.17-05
K6304
SECONDARY AIR
PUMP RELAY
SPARK PLUGS
1210.17-05
Y6133
AIR PUMP
D100
DATA LINK
CONNECTOR
HOT AT ALL TIMES
1210.17-02
S2
IGNITION SWITCH
1210.17-02
K6326
UNLOADER RELAY,
TERMINAL 15
1210.17-03
T6151
CYL. 1 IGNITION
COIL
T6152
CYL. 2 IGNITION
COIL
T6153
CYL. 3 IGNITION
COIL
1210.17-03
T6154
CYL. 4 IGNITION
COIL
T6155
CYL. 5 IGNITION
COIL
T6156
CYL. 6 IGNITION
COIL
HOT IN RUN AND START
1210.17-07
P90
FRONT POWER
DISTRIBUTION
BOX
F16
5A
1210.17-07
K19
COMPRESSOR
CONTROL RELAY
1210.17-08
1210.17-09
A2w
INSTRUMENT
CLUSTER
1210.17-08
S221
EVAPORATOR
CONTROLLER
1210.17-08
S220
AIR CONDITIONING/
RECIRCULATING
SWITCH
ASSEMBLY
1210.17-08
A837
ELECTRONIC
IMMOBILIZER
CONTROL
MODULE (EWS III)
NOT USED
X6000
A6000
ENGINE CONTROL
MODULE (DME)
1210.17-02
B6236
ENGINE COOLANT
TEMPERATURE
SENSOR
1210.17-02
B6205
INTAKE AIR
TEMPERATURE
SENSOR
1210.17-05
R6252
THROTTLE
POSITION
SENSOR
1210.17-09
B65
FUEL TANK
PRESSURE
SENSOR
1210.17-06
B6203
CRANKSHAFT
POSITION/RPM
SENSOR
1210.17-06
B6240
KNOCK SENSOR
1210.17-06
B6204
CAMSHAFT
POSITION
SENSOR (CYL-
INDER
IDENTIFICATION)
B8y
PRESSURE
SWITCH
1210.17-07
B9508
PRESSURE
SWITCH
1210.17-07
S221
EVAPORATOR
CONTROLLER
1210.17-08
A52
SLIP CONTROL
MODULE
(ABS/ASC)



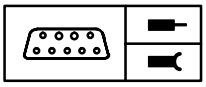
Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
2	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil
3	A	Cyl. 6 ignition coil control	Cyl. 6 ignition coil
4	M	Ground	Ground point
5	A	Cyl. 2 fuel injection valve control	Cyl. 2 fuel injection valve
6	A	Cyl. 1 fuel injection valve control	Cyl. 1 fuel injection valve
7	M	Ground	Hot wire air mass meter
8	E	Hot wire air mass meter	Hot wire air mass meter
9	E	TI-measurement signal (fuel consumption)	Not used
10	E	Engine coolant temperature	Engine coolant temperature sensor
11	E	Fuel tank pressure	Fuel tank pressure sensor
12	E	Throttle position signal	Throttle position sensor
13		Not used	
14	E	Intake air temperature	Intake air temperature sensor
15	E	Speed signal, right rear	ABS/ASC control module
16	E	Activate A/C	Pressure switch
17		Not used	
18	E	Drive-away protection signal (code)	Electronic immobilizer control module (EWS III)
19	E	A/C-ON-signal	Air conditioning operating unit
20	A	“Check engine” indicator control	Instrument cluster
21	A	Camshaft control	Variable camshaft control valve
22	A	Cyl. 3 fuel injection valve control	Cyl. 3 fuel injection valve
23	A	Cyl. 6 fuel injection valve control	Cyl. 6 fuel injection valve
24	A	Cyl. 4 fuel injection valve control	Cyl. 4 fuel injection valve
25	M	Oxygen sensor heating ground	Oxygen sensor I (in front of catalytic converter)
26	E	Battery voltage	B+ jump start junction point
27	A	Activate valve	Idle speed control valve
28	M	Ground	Ground point
29	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil

E = Input, A = Output, M = Ground

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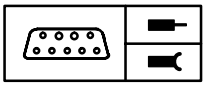


Pin Assignments

Pin	Type	Description/Function	Connection
30	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
31	A	Cyl. 5 ignition coil control	Cyl. 5 ignition coil
32	M	Ground	Ground point
33	A	Cyl. 5 fuel injection valve control	Cyl. 5 fuel injection valve
34	M	Ground	Ground point
35	A	Activate relay	Secondary air pump relay
36	A	Crankshaft RPM speed signal (TD)	Instrument cluster
37		Not used	
38	M	Ground	Shield knock sensor
39	M	Ground	Temperature sensors
40	M	Ground	Crankshaft position/RPM sensor Fuel tank pressure sensor
41	M	Ground	Shield camshaft position sensor
42	M	Ground	Throttle position sensor
43	M	Ground	Camshaft position sensor
44	A	Voltage supply	Throttle position sensor Fuel tank pressure sensor
45	A	Throttle position signal	ABS/ASC control module
46	E	TI-measurement signal (fuel consumption)	Instrument cluster
47		Not used	
48		Not used	
49	E	Terminal 15	Ignition switch
50	A	Running losses	Solenoid valve
51	A	Activate valve	Charcoal filter shut off valve
52		Not used	
53	A	Activate valve	Idle speed control valve
54	E	Battery voltage, terminal 87	Engine control module relay
55	M	Oxygen sensor heating ground	Oxygen sensor II (in front of catalytic converter)
56	M	Ground	Ground point
57	E	Cyl. 1-3 knock sensor	Knock sensor
58	E	Cyl. 1-3 knock sensor	Knock sensor
59	E	Cyl. 4-6 knock sensor	Knock sensor

E = Input, A = Output, M = Ground

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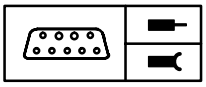


Pin Assignments

Pin	Type	Description/Function	Connection
60	E	Programming voltage	Data link connector
61	M	Oxygen sensor heating ground	Oxygen sensor II (behind catalytic converter)
62	E	Activate valve	Secondary air pump value
63	E	Cyl. 4-6 knock sensor	Knock sensor
64	E	Camshaft position	Camshaft position sensor
65	E	Camshaft position	Camshaft position sensor
66		Not used	
67	M	Oxygen sensor signal ground	Oxygen sensor I (in front of catalytic converter)
68	E	Activate valve	Evaporative emission valve
69	E	Activate relay	Fuel pump relay
70	M	Oxygen sensor signal ground	Oxygen sensor II (in front of catalytic converter)
71	M	Oxygen sensor signal ground	Oxygen sensor I (behind catalytic converter)
72	M	Oxygen sensor signal ground	Oxygen sensor II (behind catalytic converter)
73	E	Activate relay	Engine control module relay
74	A	Activate A/C compressor	Compressor control relay
75	E	Sensor signal	Oxygen sensor I (in front of catalytic converter)
76	E	Sensor signal	Oxygen sensor II (in front of catalytic converter)
77	E	Sensor signal	Oxygen sensor I (behind catalytic converter)
78	E	Sensor signal	Oxygen sensor II (behind catalytic converter)
79	M	Oxygen sensor heating ground	Oxygen sensor I (behind catalytic converter)
80	A	ASC signal ZA	Slip control module ABS/ASC
81	A	ASC signal ZWV	Slip control module ABS/ASC
82	A	ASC signal MSR	Slip control module ABS/ASC
83	E	Sensor signal	Crankshaft position/RPM sensor
84		Not used	

E = Input, A = Output, M = Ground

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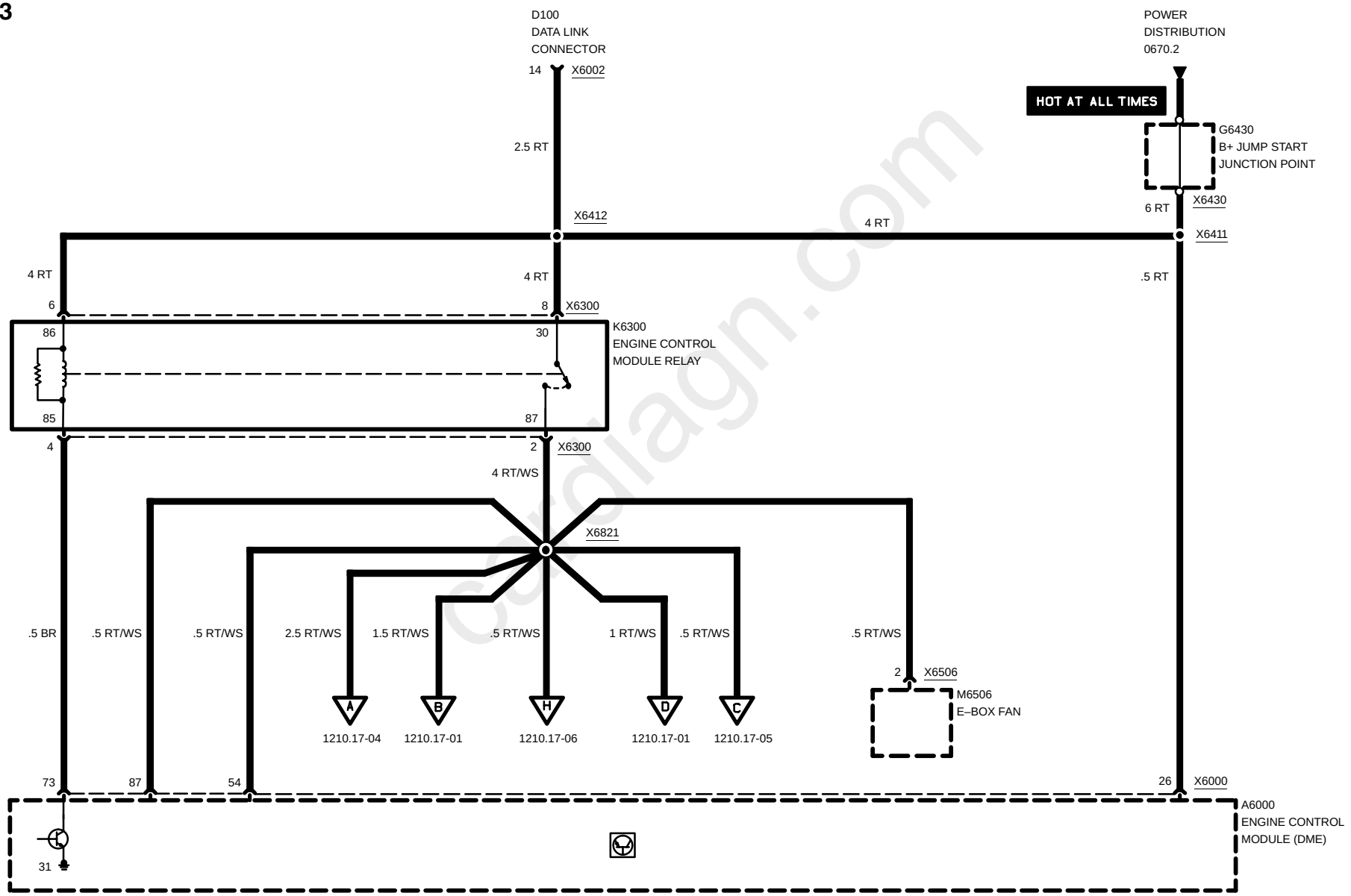


Pin Assignments

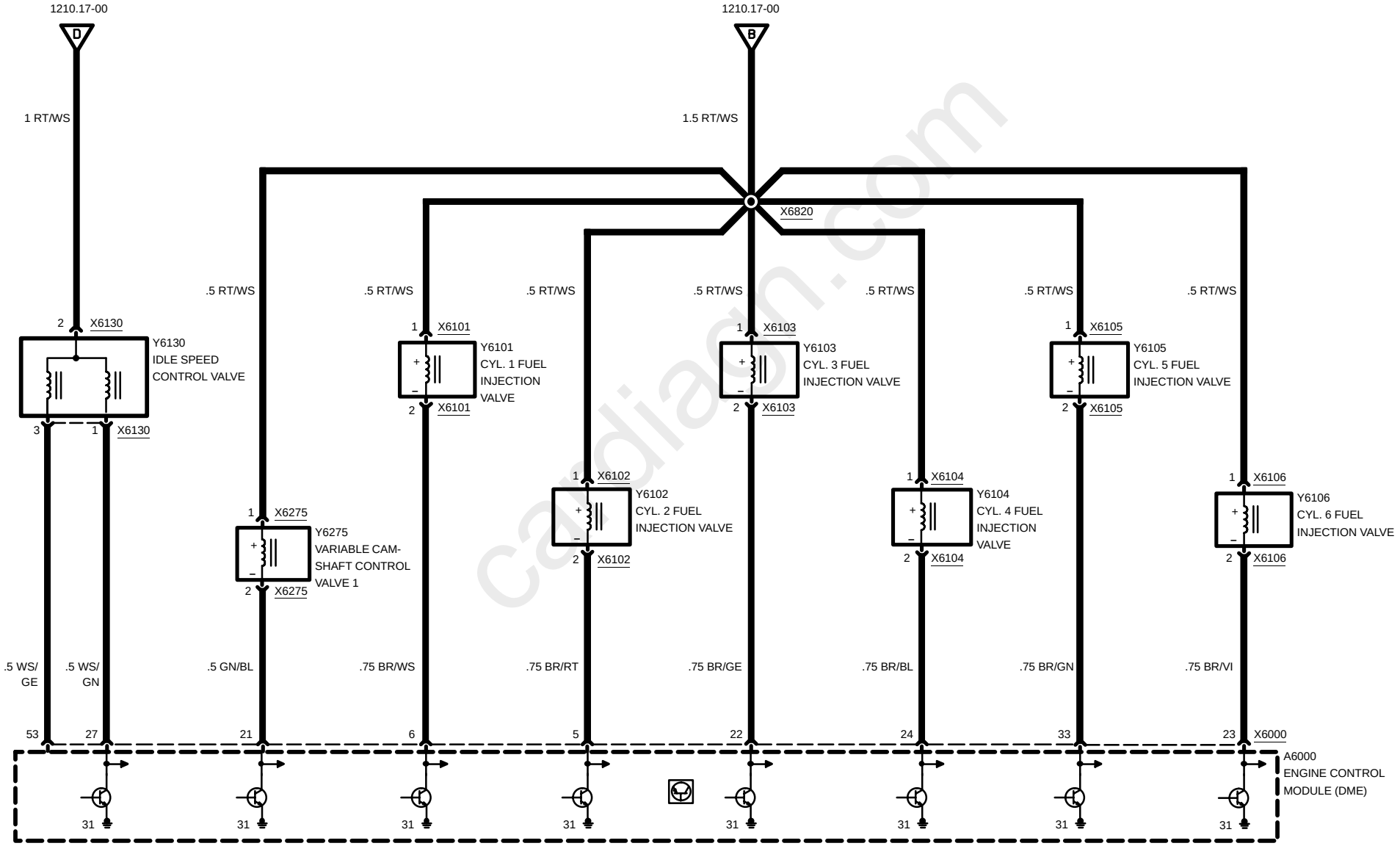
Pin	Type	Description/Function	Connection
85		Not used	
86		Not used	
87	E	Battery voltage, terminal 87	Engine control module relay
88	E/A	TxD diagnosis data link	Data link connector

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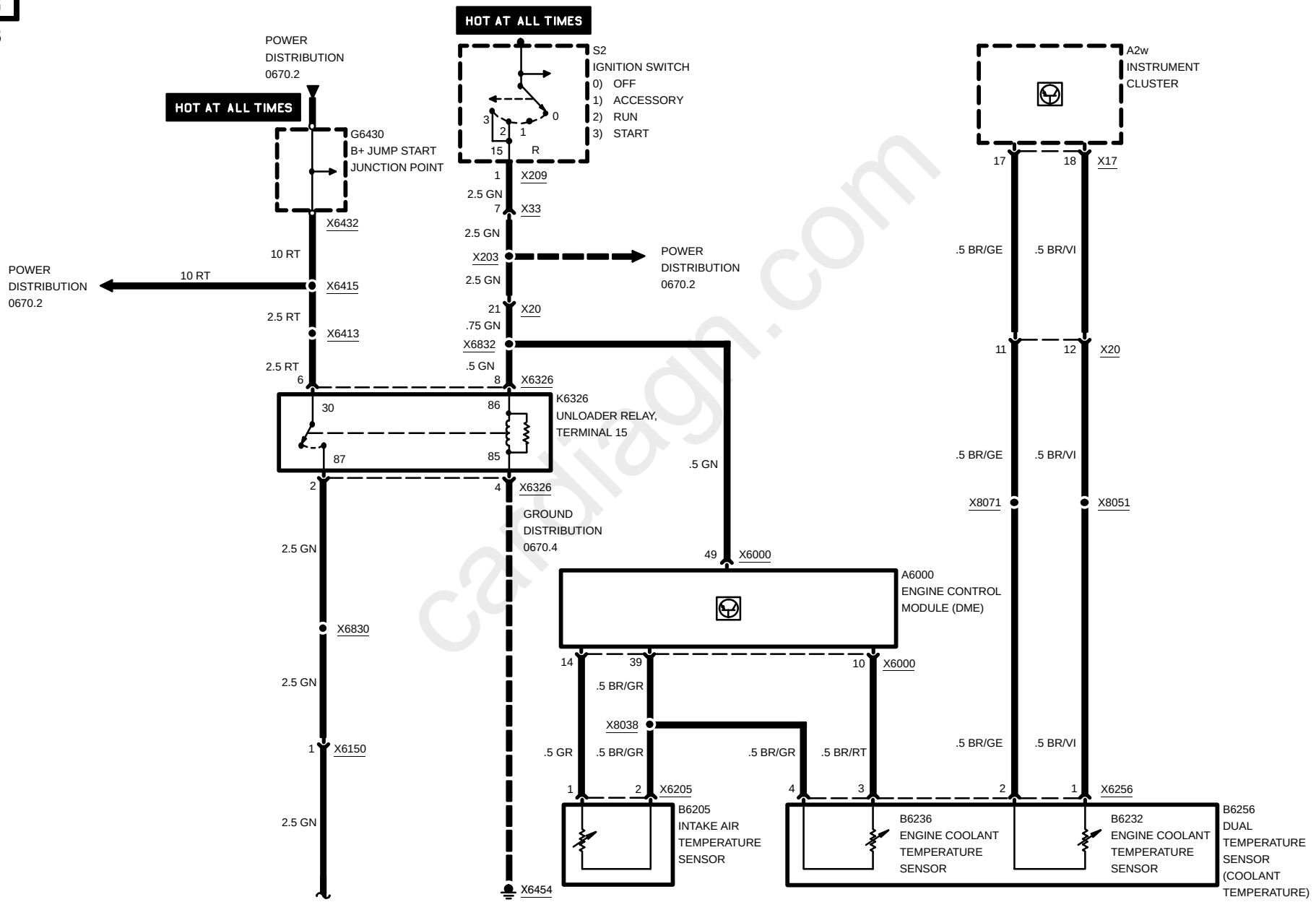
E = Input, A = Output, M = Ground



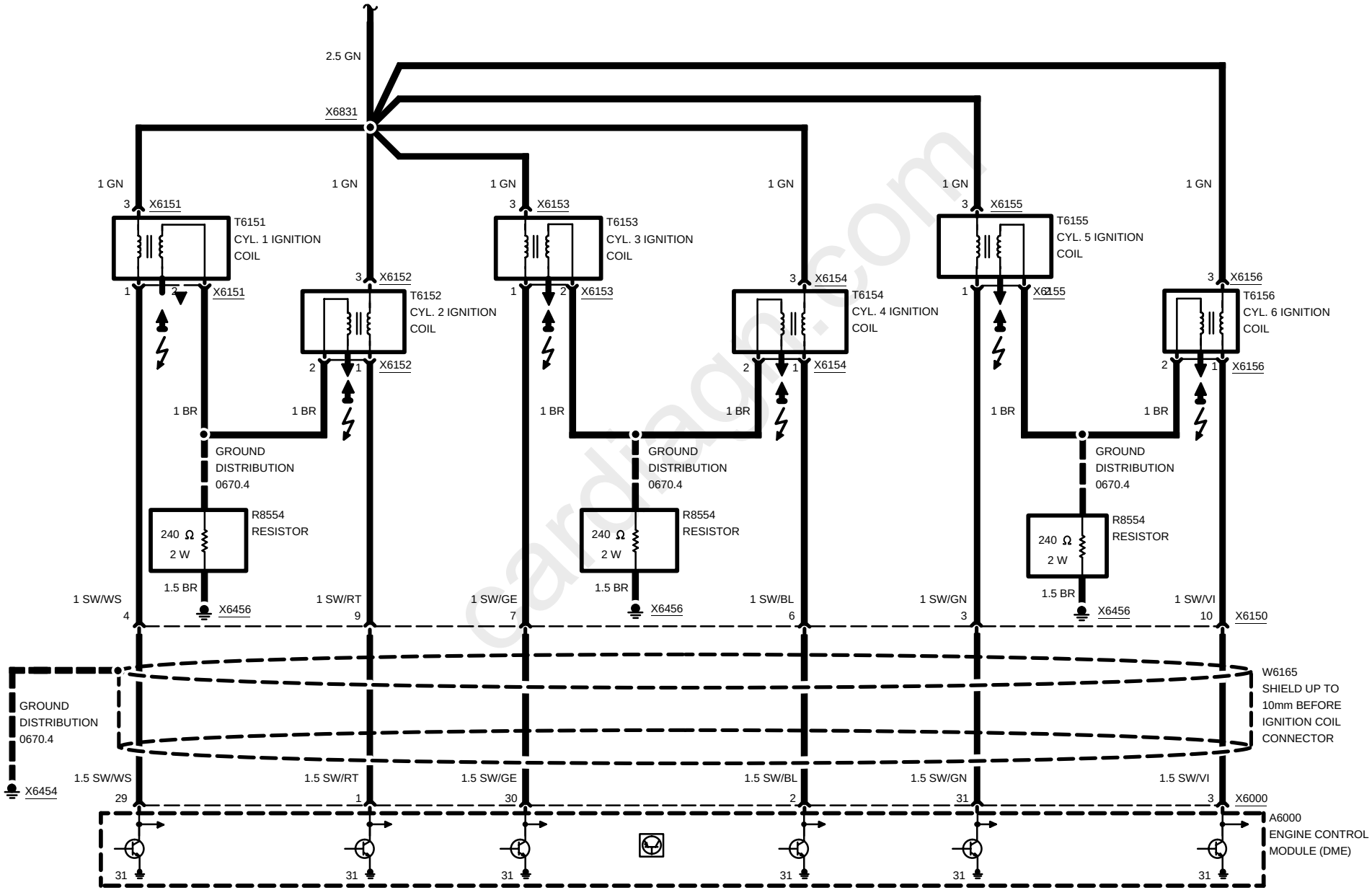
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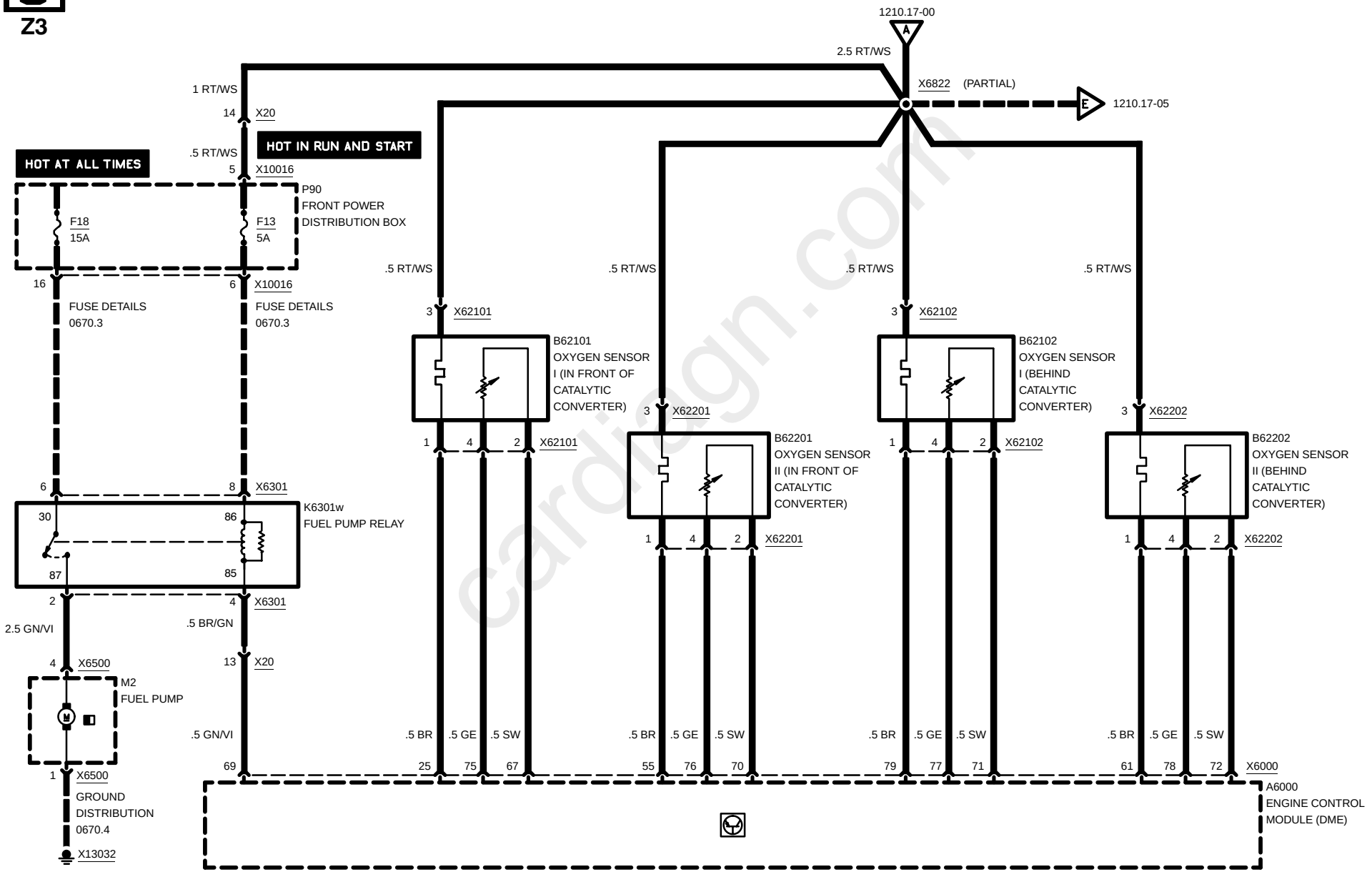
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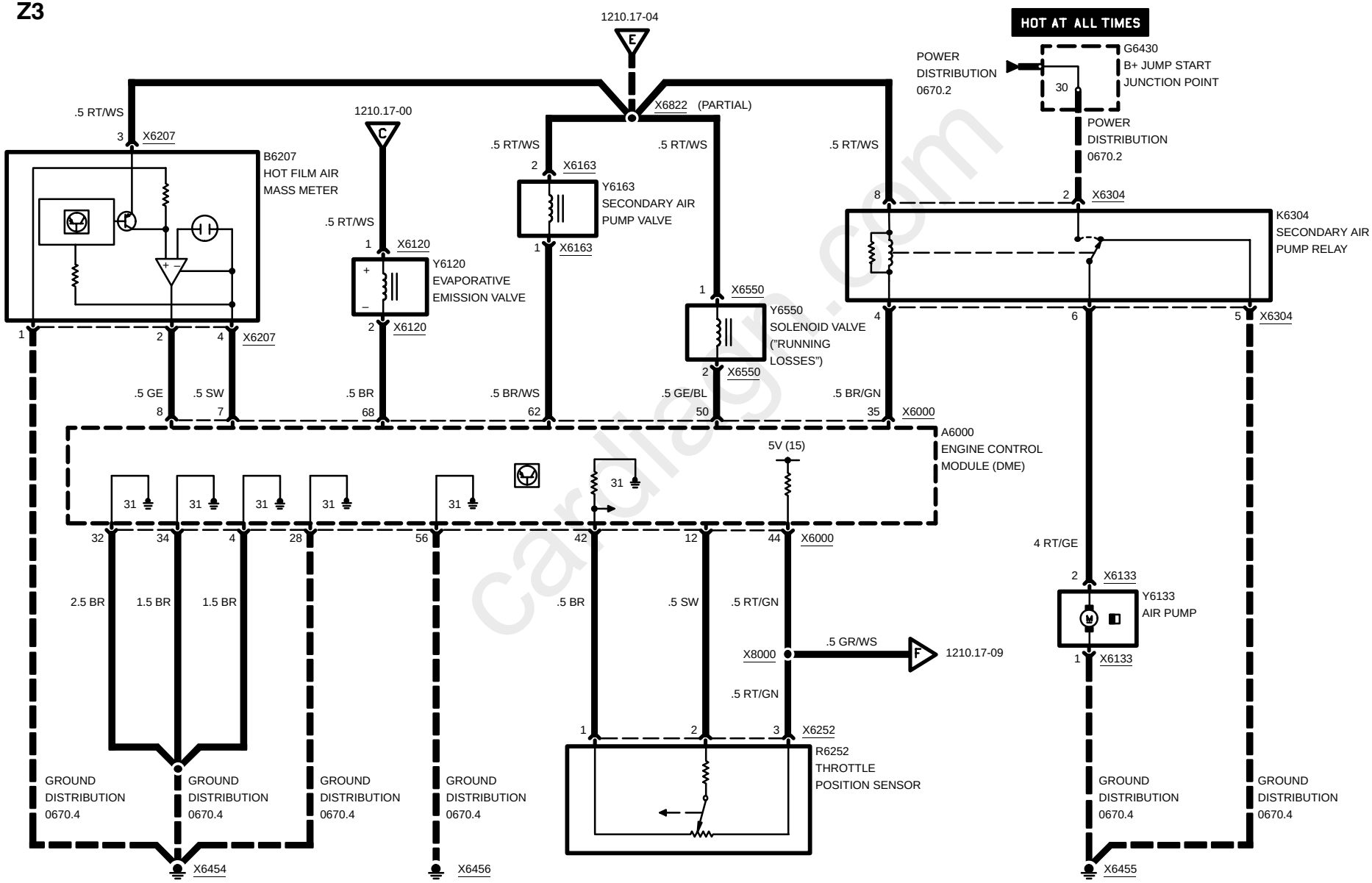
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ENGINE CONTROL SYSTEM MS41.1 (6–CYLINDER S52)

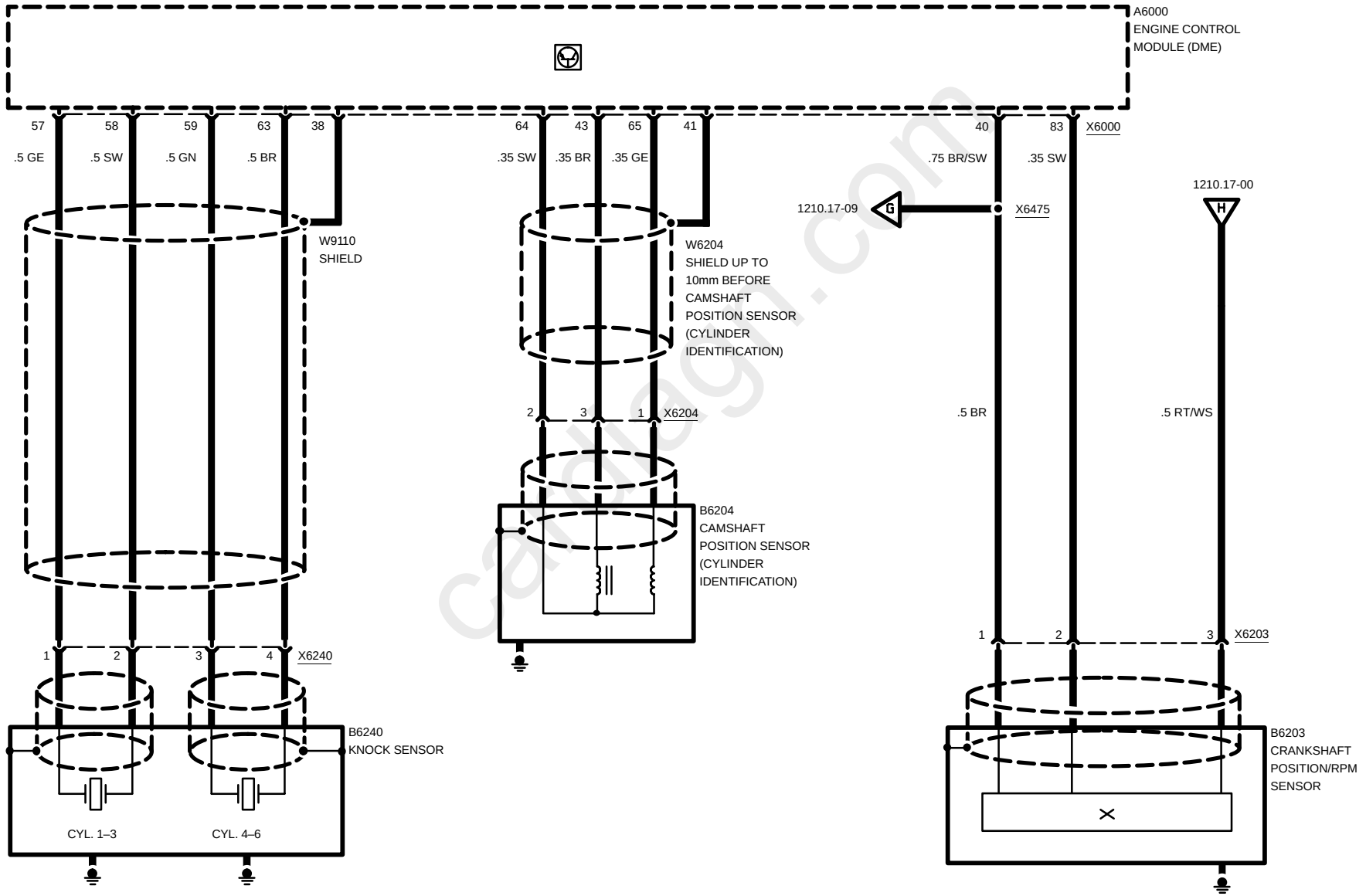
M VERSIONS



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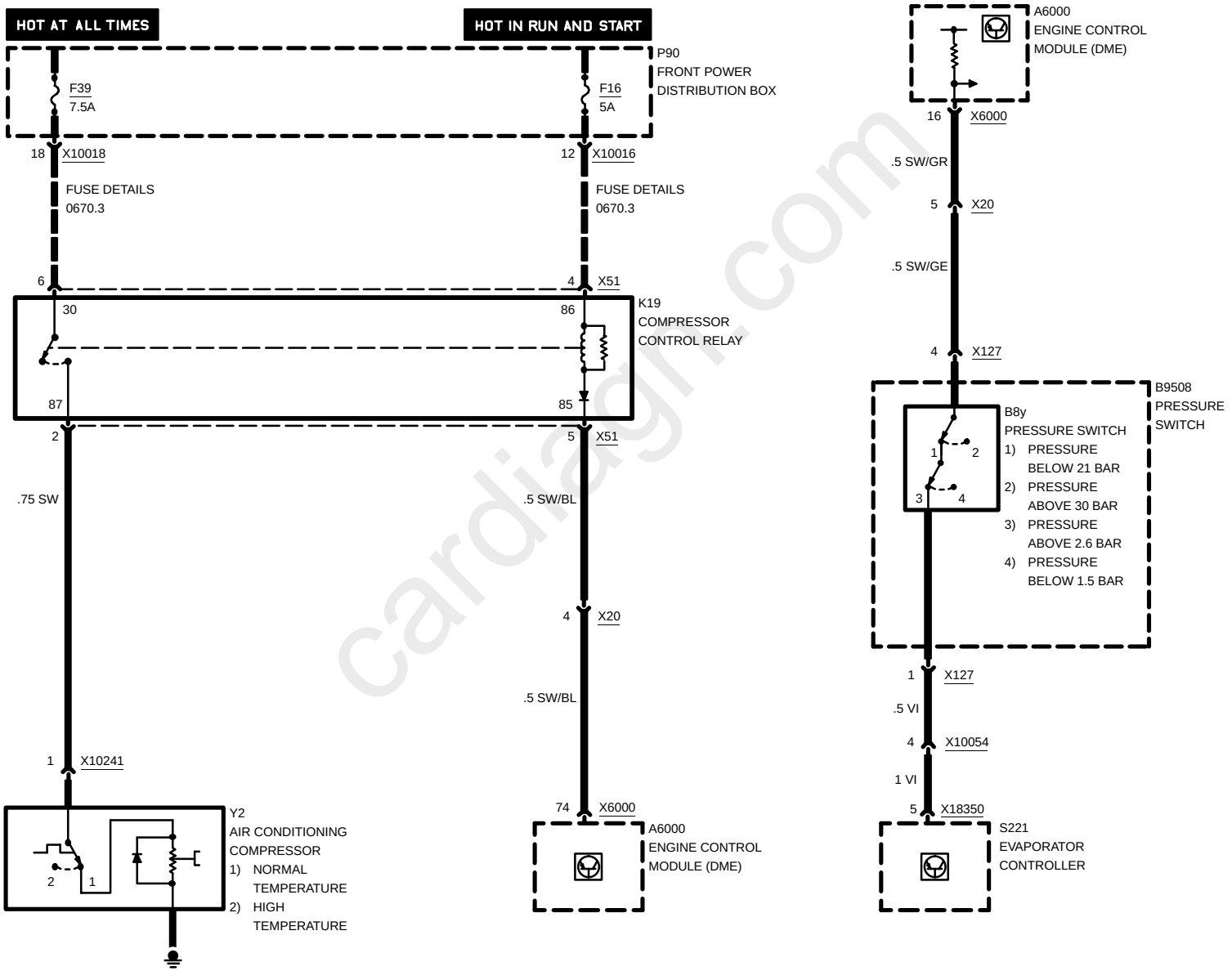
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ENGINE CONTROL SYSTEM MS41.1 (6–CYLINDER S52)

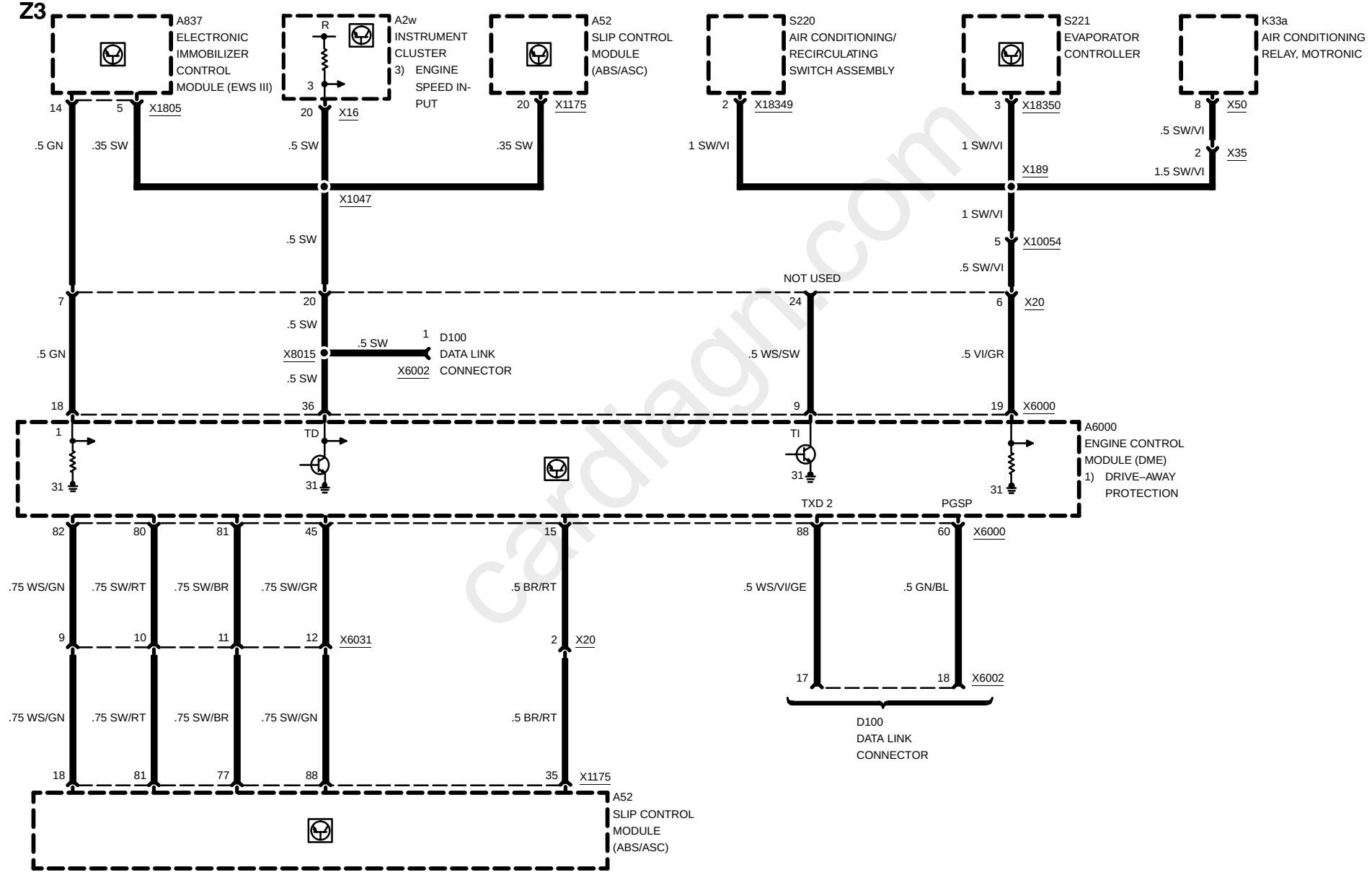
M VERSIONS



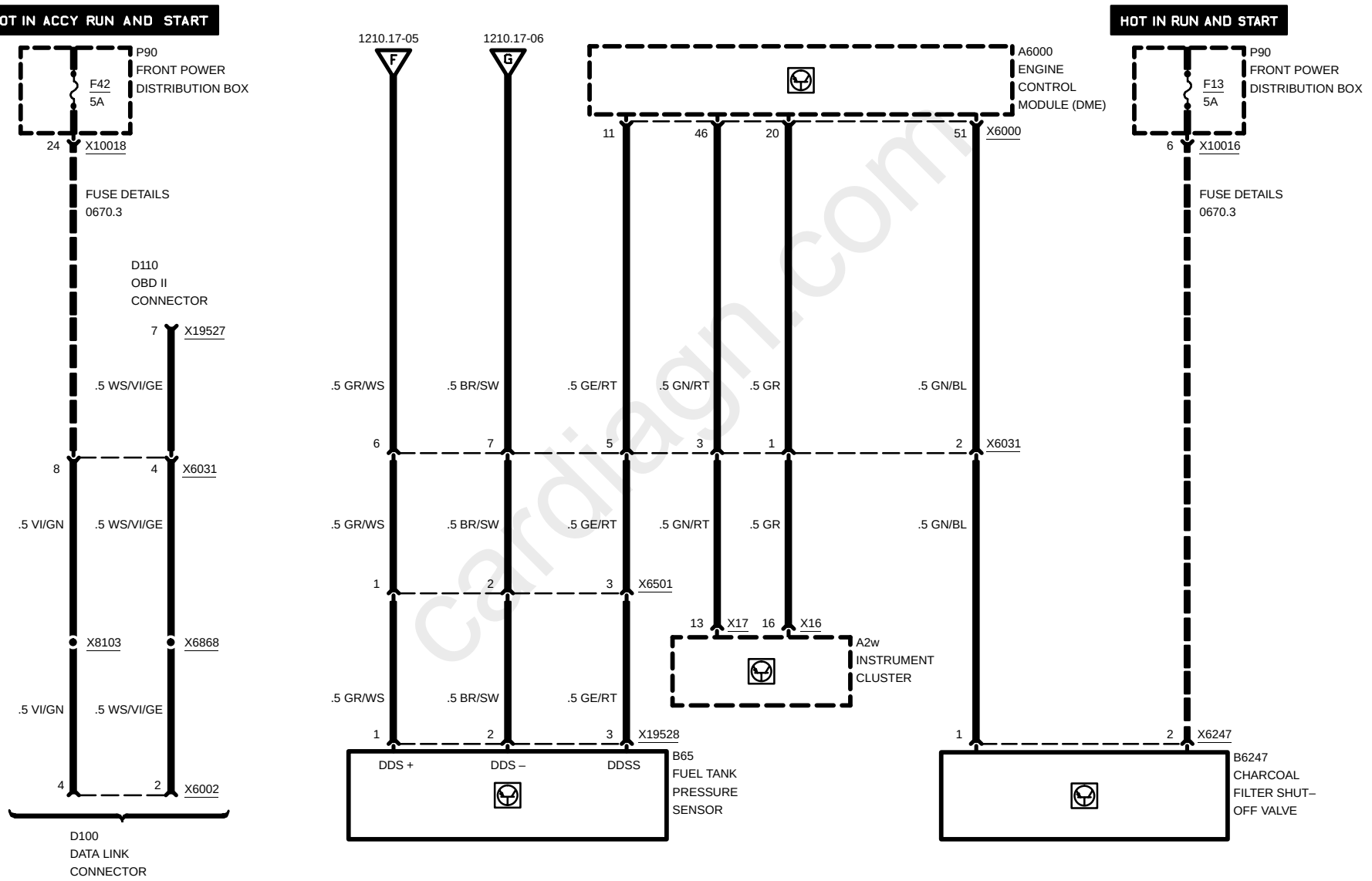
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ENGINE CONTROL SYSTEM MS41.1 (6–CYLINDER S52)

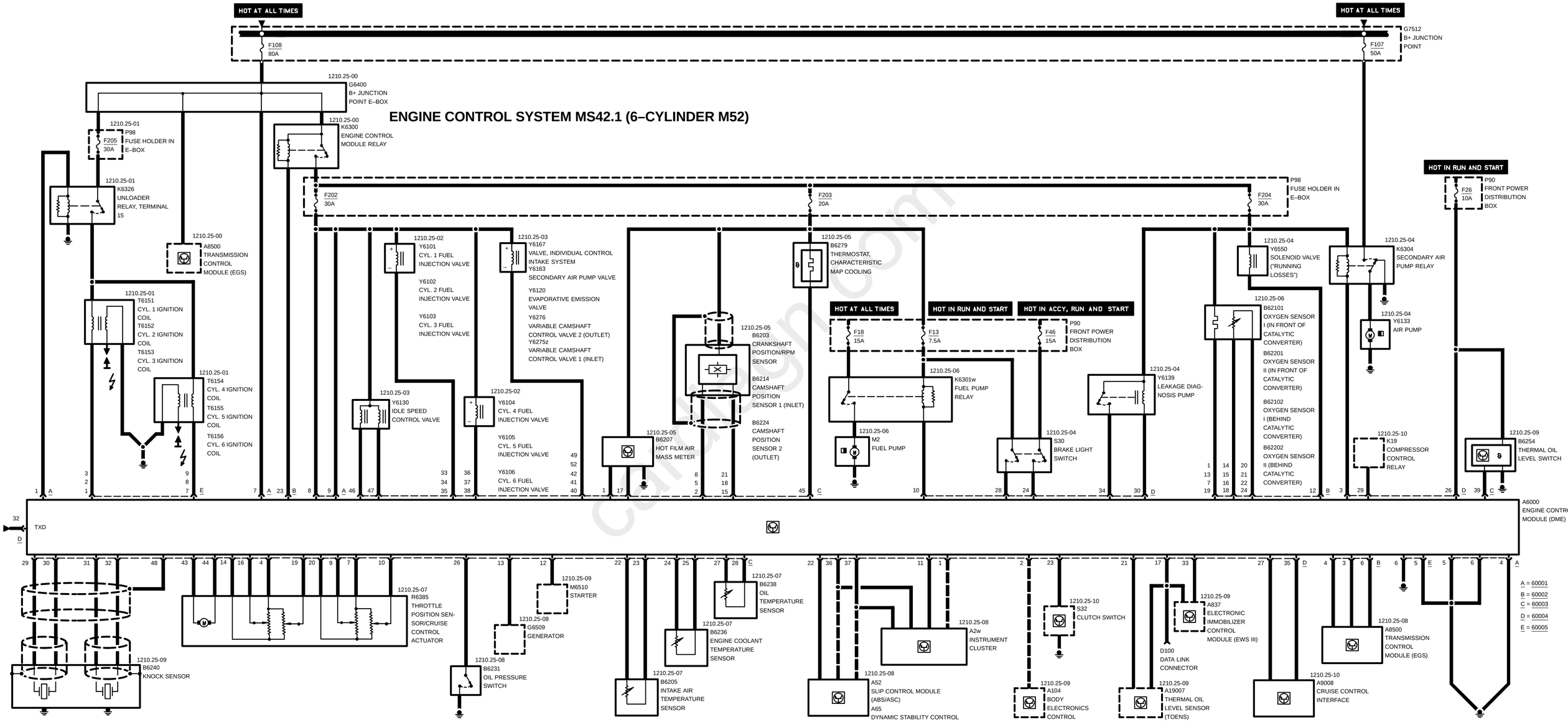
M VERSIONS

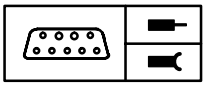


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ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)
HOT AT ALL TIMES
F108 80A
1210.25-00 G6400 B+ JUNCTION POINT E–BOX
1210.25-01 P98 F205 30A FUSE HOLDER IN E–BOX
1210.25-00 K6300 ENGINE CONTROL MODULE RELAY
1210.25-01 K6326 UNLOADER RELAY, TERMINAL 15
1210.25-00 A8500 TRANSMISSION CONTROL MODULE (EGS)
1210.25-01 T6151 CYL. 1 IGNITION COIL
T6152 CYL. 2 IGNITION COIL
T6153 CYL. 3 IGNITION COIL
T6154 CYL. 4 IGNITION COIL
T6155 CYL. 5 IGNITION COIL
T6156 CYL. 6 IGNITION COIL
F202 30A
F203 20A
F204 30A
P98 FUSE HOLDER IN E–BOX
1210.25-02 Y6101 CYL. 1 FUEL INJECTION VALVE
Y6102 CYL. 2 FUEL INJECTION VALVE
Y6103 CYL. 3 FUEL INJECTION VALVE
1210.25-03 Y6167 VALVE, INDIVIDUAL CONTROL INTAKE SYSTEM
Y6163 SECONDARY AIR PUMP VALVE
Y6120 EVAPORATIVE EMISSION VALVE
Y6276 VARIABLE CAMSHAFT CONTROL VALVE 2 (OUTLET)
Y6275z VARIABLE CAMSHAFT CONTROL VALVE 1 (INLET)
1210.25-03 Y6130 IDLE SPEED CONTROL VALVE
1210.25-02 Y6104 CYL. 4 FUEL INJECTION VALVE
Y6105 CYL. 5 FUEL INJECTION VALVE
Y6106 CYL. 6 FUEL INJECTION VALVE
1210.25-05 B6207 HOT FILM AIR MASS METER
1210.25-05 B6203 CRANKSHAFT POSITION/RPM SENSOR
B6214 CAMSHAFT POSITION SENSOR 1 (INLET)
B6224 CAMSHAFT POSITION SENSOR 2 (OUTLET)
1210.25-05 B6279 THERMOSTAT, CHARACTERISTIC MAP COOLING
HOT AT ALL TIMES
HOT IN RUN AND START
HOT IN ACCY, RUN AND START
F18 15A
F13 7.5A
F46 15A
P90 FRONT POWER DISTRIBUTION BOX
1210.25-06 K6301w FUEL PUMP RELAY
1210.25-06 M2 FUEL PUMP
1210.25-04 S30 BRAKE LIGHT SWITCH
1210.25-04 Y6139 LEAKAGE DIAGNOSIS PUMP
1210.25-04 Y6550 SOLENOID VALVE ("RUNNING LOSSES")
1210.25-06 B62101 OXYGEN SENSOR I (IN FRONT OF CATALYTIC CONVERTER)
B62201 OXYGEN SENSOR II (IN FRONT OF CATALYTIC CONVERTER)
B62102 OXYGEN SENSOR I (BEHIND CATALYTIC CONVERTER)
B62202 OXYGEN SENSOR II (BEHIND CATALYTIC CONVERTER)
1210.25-04 K6304 SECONDARY AIR PUMP RELAY
1210.25-04 Y6133 AIR PUMP
HOT IN RUN AND START
P90 FRONT POWER DISTRIBUTION BOX
F26 10A
1210.25-10 K19 COMPRESSOR CONTROL RELAY
1210.25-09 B6254 THERMAL OIL LEVEL SWITCH
A6000 ENGINE CONTROL MODULE (DME)
TXD
1210.25-09 B6240 KNOCK SENSOR
1210.25-07 R6385 THROTTLE POSITION SENSOR/CRUISE CONTROL ACTUATOR
1210.25-09 M6510 STARTER
1210.25-08 G6509 GENERATOR
1210.25-08 B6231 OIL PRESSURE SWITCH
1210.25-07 B6238 OIL TEMPERATURE SENSOR
1210.25-07 B6236 ENGINE COOLANT TEMPERATURE SENSOR
1210.25-07 B6205 INTAKE AIR TEMPERATURE SENSOR
1210.25-08 A2w INSTRUMENT CLUSTER
1210.25-08 A52 SLIP CONTROL MODULE (ABS/ASC) A65 DYNAMIC STABILITY CONTROL
1210.25-10 S32 CLUTCH SWITCH
1210.25-09 A104 BODY ELECTRONICS CONTROL
1210.25-09 A837 ELECTRONIC IMMOBILIZER CONTROL MODULE (EWS III)
D100 DATA LINK CONNECTOR
1210.25-09 A19007 THERMAL OIL LEVEL SENSOR (TOENS)
1210.25-08 A8500 TRANSMISSION CONTROL MODULE (EGS)
1210.25-10 A9008 CRUISE CONTROL INTERFACE
A = 60001
B = 60002
C = 60003
D = 60004
E = 60005



Pin Assignments

A = X60001	9 Pins, black
B = X60002	24 Pins, black
C = X60003	52 Pins, black
D = X60004	40 Pins, black
E = X60005	9 Pins, black

X60001

Pin	Type	Signal	Description/Function	Connection
1	A	15	Activate relay	Unloader relay terminal 15
2			Not used	
3			Not used	
4	M	31E	Ground	Ground point
5	M	31L	Ground	Ground point
6	M	31L	Ground	Ground point
7	E	30	Voltage supply	B+ junction point E-box
8	E	U_HR<2	Voltage supply	Fuse holder in E-box
9	E	U_HR<2	Voltage supply	Fuse holder in E-box

X60002

Pin	Type	Signal	Description/Function	Connection
1	M	T_LHV1	Oxygen sensor heating ground	Oxygen sensor 1 (in front of catalytic converter)
2			Not used	
3	E/A	D_CAN-L	CAN bus low	Transmission control module (EGS)
4	E/A	D_CAN-H	CAN bus high	Transmission control module (EGS)
5			Not used	
6	E/A	D_TXD2	Diagnosis	Transmission control module (EGS)
7	M	T_LHH1	Oxygen sensor heating ground	Oxygen sensor 1 (behind catalytic converter)
8			Not used	

E = Input, A = Output, M = Ground

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Pin Assignments

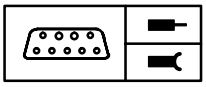
Pin	Type	Signal	Description/Function	Connection
9			Not used	
10			Not used	
11			Not used	
12	A	S_KKU	Activate valve	Solenoid valve (Running Losses)
13	M	T_LHV2	Oxygen sensor heating ground	Oxygen sensor 2 (in front of catalytic converter)
14	E	A_LSV1	Sensor signal	Oxygen sensor 1 (in front of catalytic converter)
15	E	A_LSV2	Sensor signal	Oxygen sensor 2 (in front of catalytic converter)
16	E	A_LSH1	Sensor signal	Oxygen sensor 1 (behind catalytic converter)
17			Not used	
18	E	A_LSH2	Sensor signal	Oxygen sensor 2 (behind catalytic converter)
19	M	T_LHH2	Oxygen sensor heating ground	Oxygen sensor 2 (behind catalytic converter)
20	M	M_LSV1	Signal ground	Oxygen sensor 1 (in front of catalytic converter)
21	M	M_LSV2	Signal ground	Oxygen sensor 2 (in front of catalytic converter)
22	M	M_LSH1	Signal ground	Oxygen sensor 1 (behind catalytic converter)
23	A	S_HR	Activate relay	Engine control module relay
24	M	M_LSH2	Signal ground	Oxygen sensor 2 (behind catalytic converter)

X60003

Pin	Type	Signal	Description/Function	Connection
1	E	A_HFM	Signal air mass meter	Hot film air mass meter
2	E	P_NWGA1	Signal camshaft position	Camshaft position sensor 2 (outlet)
3			Not used	
4	A	U_DKFW1	Voltage supply	Throttle position sensor 1

E = Input, A = Output, M = Ground

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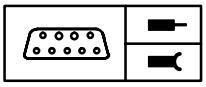


Pin Assignments

Pin	Type	Signal	Description/Function	Connection
5	E	P_NWGE1	Signal camshaft position	Camshaft position sensor 1 (inlet)
6			Not used	
7	A	U_DKFW2	Voltage supply	Throttle position sensor 2
8	E	P_KWG	Signal crankshaft position	Crankshaft position sensor
9	E	A_FWG2	Throttle position signal	Throttle position sensor 2
10	E	A_DKG2	Throttle position signal	Throttle position sensor 2
11			Not used	
12	E	S_30H	Start signal	Starter
13	E	S_61-1	Charging signal	Generator
14	M	M_DKFW1	Ground	Throttle position sensor 1
15	M	M_NWGA1	Ground	Camshaft position sensor 2 (outlet)
16	E	A_FWG1	Throttle position signal	Throttle position sensor 1
17	M	M_HFM	Ground	Hot film air massmeter
18	M	M_NWGE1	Ground	Crankshaft position sensor 1 (inlet)
19	E	A_DKG1	Throttle position signal	Throttle position sensor 1
20	M	M_DKFW2	Ground	Throttle position sensor 2
21	M	M_KWG	Ground	Crankshaft position sensor
22	E	A_TANS	Temperature signal	Intake air temperature sensor
23	M	M_TANS	Ground	Intake air temperature sensor
24	E	A_TMOT	Temperature signal	Engine coolant temperature sensor
25	M	M_TMOT	Ground	Engine coolant temperature sensor
26	E	A_OLD	Pressure signal	Oil pressure switch
27	E	A_TOEL	Temperature signal	Oil temperature sensor
28	M	M_OTF	Ground	Oil temperature sensor
29	E	A_KS1A	Cyl. 1-3 knock sensor	Knock sensor
30	E	A_KS1B	Cyl. 1-3 knock sensor	Knock sensor
31	E	A_KS2A	Cyl. 4-6 knock sensor	Knock sensor
32	E	A_KS2B	Cyl. 4-6 knock sensor	Knock sensor
33	A	P_EVZ1	Activate valve	Cyl. 1 fuel injection valve
34	A	P_EVZ2	Activate valve	Cyl. 2 fuel injection valve
35	A	P_EVZ3	Activate valve	Cyl. 3 fuel injection valve
36	A	P_EVZ4	Activate valve	Cyl. 4 fuel injection valve

E = Input, A = Output, M = Ground

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Pin Assignments

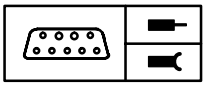
Pin	Type	Signal	Description/Function	Connection
37	A	P_EVZ5	Activate valve	Cyl. 5 fuel injection valve
38	A	P_EVZ6	Activate valve	Cyl. 6 fuel injection valve
39	E	F_OLN	Level signal	Oil level sensor
40	A	T_NWE1	Activate valve	Variable camshaft control valve 1 (inlet)
41	A	T_NWA1	Activate valve	Variable camshaft control valve 2 (outlet)
42	A	T_TEV	Activate valve	Evaporative emission valve
43	A	T_MDK1	Activate motor	Cruise control actuator
44	A	T_MDK2	Activate motor	Cruise control actuator
45	A	S_KFK	Cooling signal	Thermostat, characteristic map cooling
46	A	T_LLFSS	CLOSE signal	Idle speed control valve
47	A	T_LLFSO	OPEN signal	Idle speed control valve
48	M	W_KS	Ground	Shield knock sensor
49	A	S_DISA	Activate valve	Valve, individual control intake system
50			Not used	
51			Not used	
52	A	S_SLPV1	Activate valve	Secondary air pump valve

X60004

Pin	Type	Signal	Description/Function	Connection
1	A	61	Charging signal	Instrument cluster
2	A	30H	Start signal	Body electronics control module (ZKE IV)
3	A	SLP	Activate relay	Secondary air pump relay
4			Not used	
5			Not used	
6			Not used	
7			Not used	
8			Not used	

E = Input, A = Output, M = Ground

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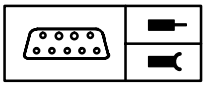


Pin Assignments

Pin	Type	Signal	Description/Function	Connection
9			Not used	
10	A	EKP	Activate relay	Fuel pump relay
11	A	OELD	Oil pressure signal	Instrument cluster
12			Not used	
13			Not used	
14			Not used	
15			Not used	
16			Not used	
17	A	TD	Crankshaft RPM speed signal (TD)	Electronic immobilizer control module (EWS III)/Thermal oil level sensor (TOENS) control module
18			Not used	
19			Not used	
20			Not used	
21	A	A-OELN	Oil level signal	Thermal oil level sensor (TOENS) control module
22	E	DFAHR	Speed signal right rear	ABS/ASC/DSC control module
23	E	KUPP	Clutch signal	Clutch switch
24	E	KL 54 ON	Brake signal	Brake light switch
25			Not used	
26	E	15A26	Terminal 15	Fuse 26
27	E	MFL	Cruise control signal	Cruise control interface
28	E	S_BLTS	Brake signal	Brake light switch
29	A	S_KOREL	Activate relay	Compressor control relay
30	A	LDPV	Activate valve	Leakage diagnosis pump
31			Not used	
32	E/A	TXDII	TXD diagnosis data link	Data link connector
33	E	EWSDME	Drive-away protection signal (code)	Electronic immobilizer control module (EWS III)
34	E	LDPS	Leakage signal	Leakage diagnosis pump
35	M	31	Ground	Cruise control interface
36	E/A	CAN+	CAN bus high	Instrument cluster, ABS/ASC/DSC control module

E = Input, A = Output, M = Ground

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Pin Assignments

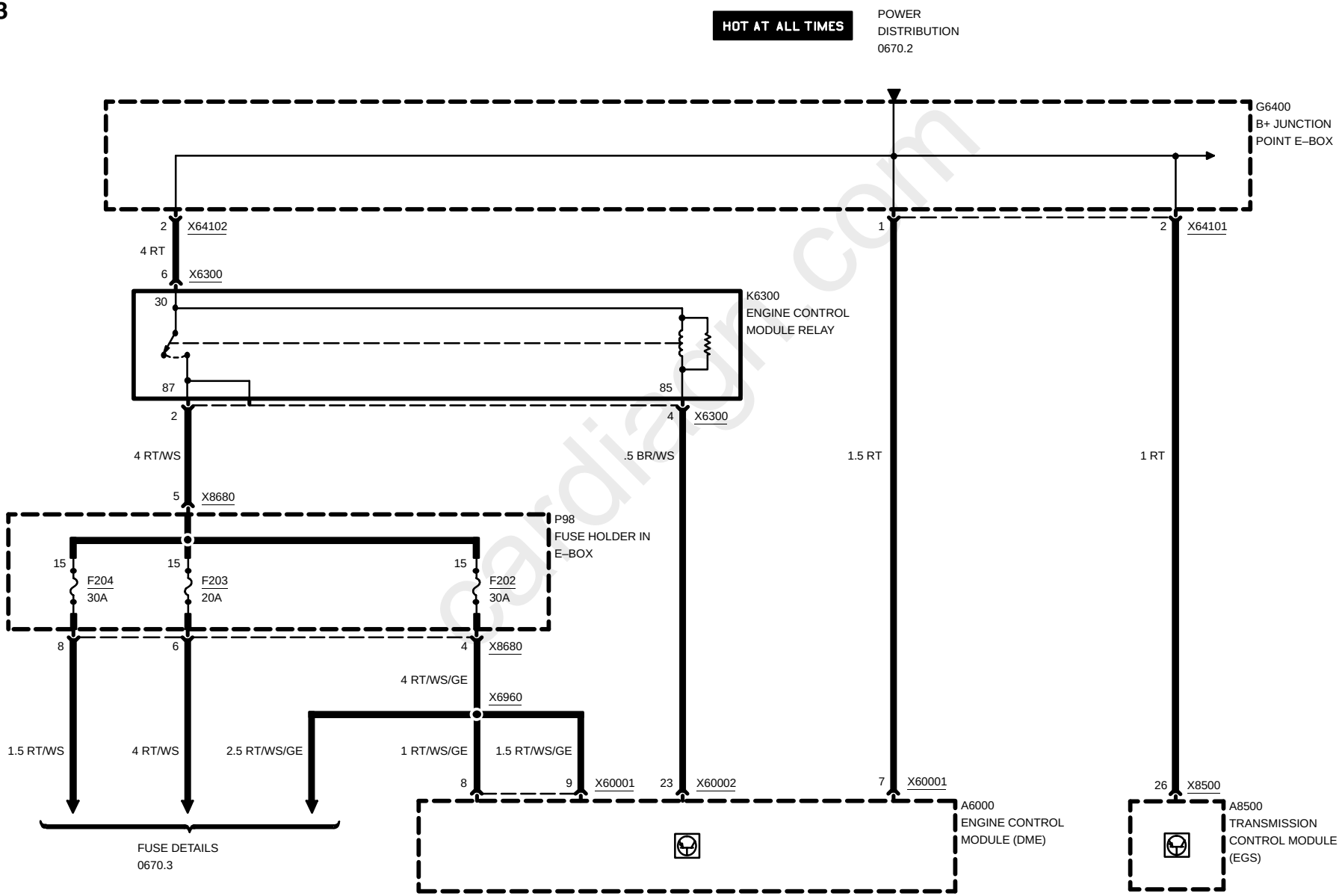
Pin	Type	Signal	Description/Function	Connection
37	E/A	CAN–	CAN bus low	Instrument cluster, ABS/ASC/DSC control module
38			Not used	
39			Not used	
40			Not used	

X60005

Pin	Type	Signal	Description/Function	Connection
1	A	P_ZSZ3	Ignition coil signal	Cyl. 3 ignition coil
2	A	P_ZSZ2	Ignition coil signal	Cyl. 2 ignition coil
3	A	P_ZSZ1	Ignition coil signal	Cyl. 1 ignition coil
4			Not used	
5	M	31L	Ground	Ground point
6	M	A_ZSR	Ground	Ground point
7	A	P_ZSZ6	Ignition coil signal	Cyl. 6 ignition coil
8	A	P_ZSZ5	Ignition coil signal	Cyl. 5 ignition coil
9	A	P_ZSZ4	Ignition coil signal	Cyl. 4 ignition coil

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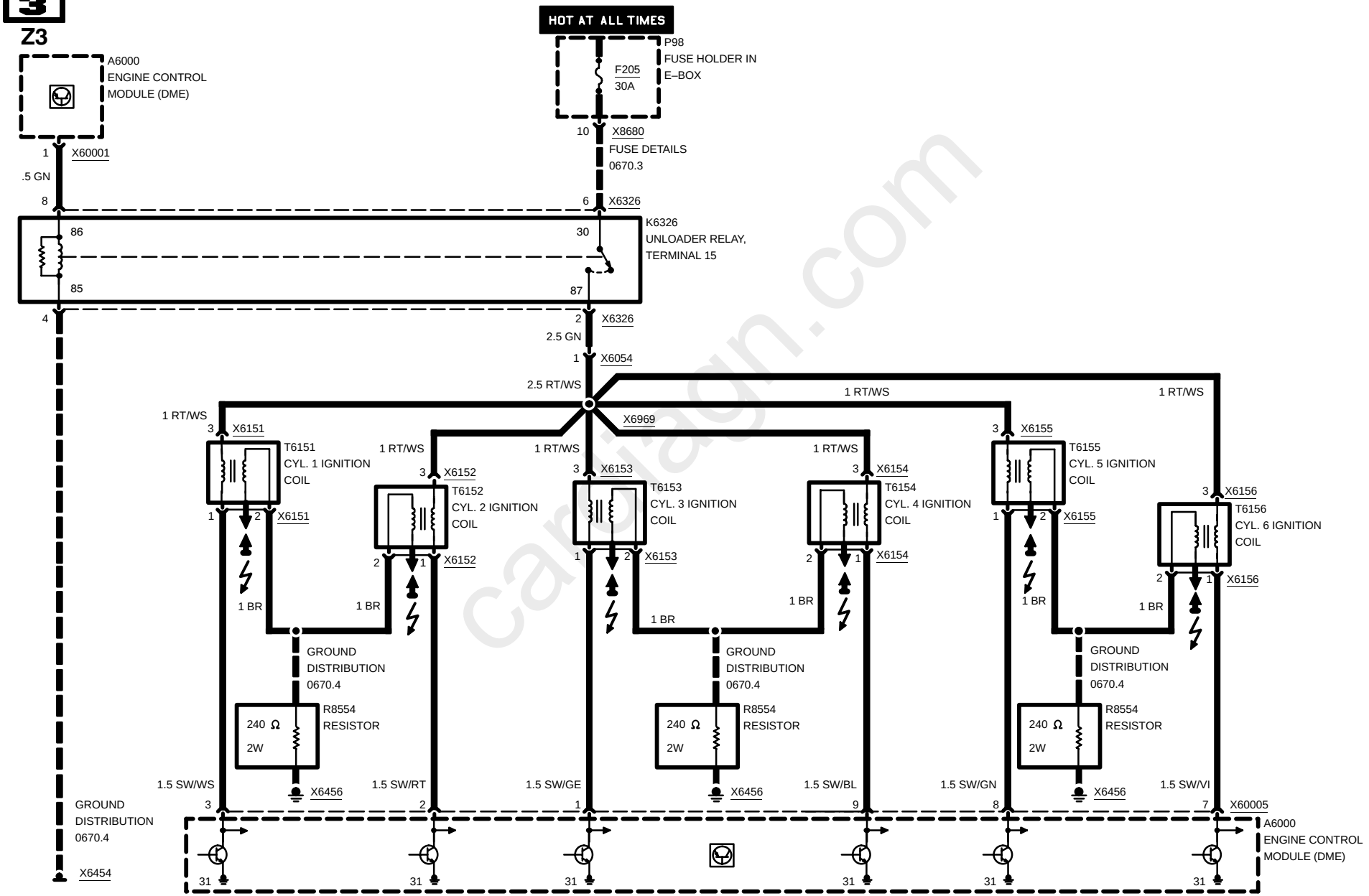
E = Input, A = Output, M = Ground


HOT AT ALL TIMES
POWER DISTRIBUTION 0670.2
G6400 B+ JUNCTION POINT E–BOX
2 X64102
4 RT
6 X6300
30
K6300 ENGINE CONTROL MODULE RELAY
87
85
2
4 X6300
4 RT/WS
.5 BR/WS
1.5 RT
1 RT
1 X64101
2 X64101
5 X8680
P98 FUSE HOLDER IN E–BOX
15 F204 30A
15 F203 20A
15 F202 30A
8
6
4 X8680
4 RT/WS/GE
X6960
1.5 RT/WS
4 RT/WS
2.5 RT/WS/GE
1 RT/WS/GE
1.5 RT/WS/GE
8
9 X60001
23 X60002
7 X60001
26 X8500
A6000 ENGINE CONTROL MODULE (DME)
A8500 TRANSMISSION CONTROL MODULE (EGS)
FUSE DETAILS 0670.3

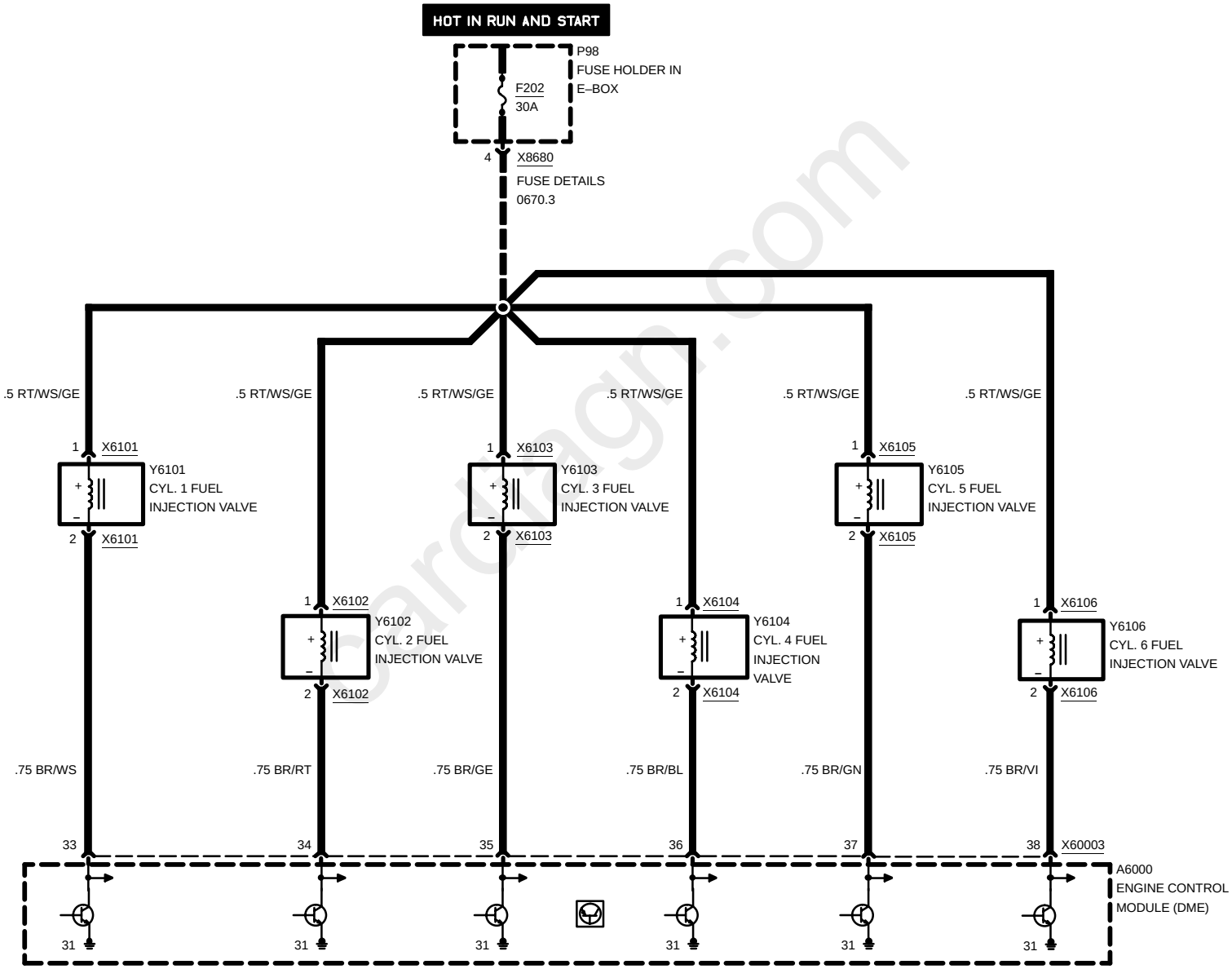
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ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)

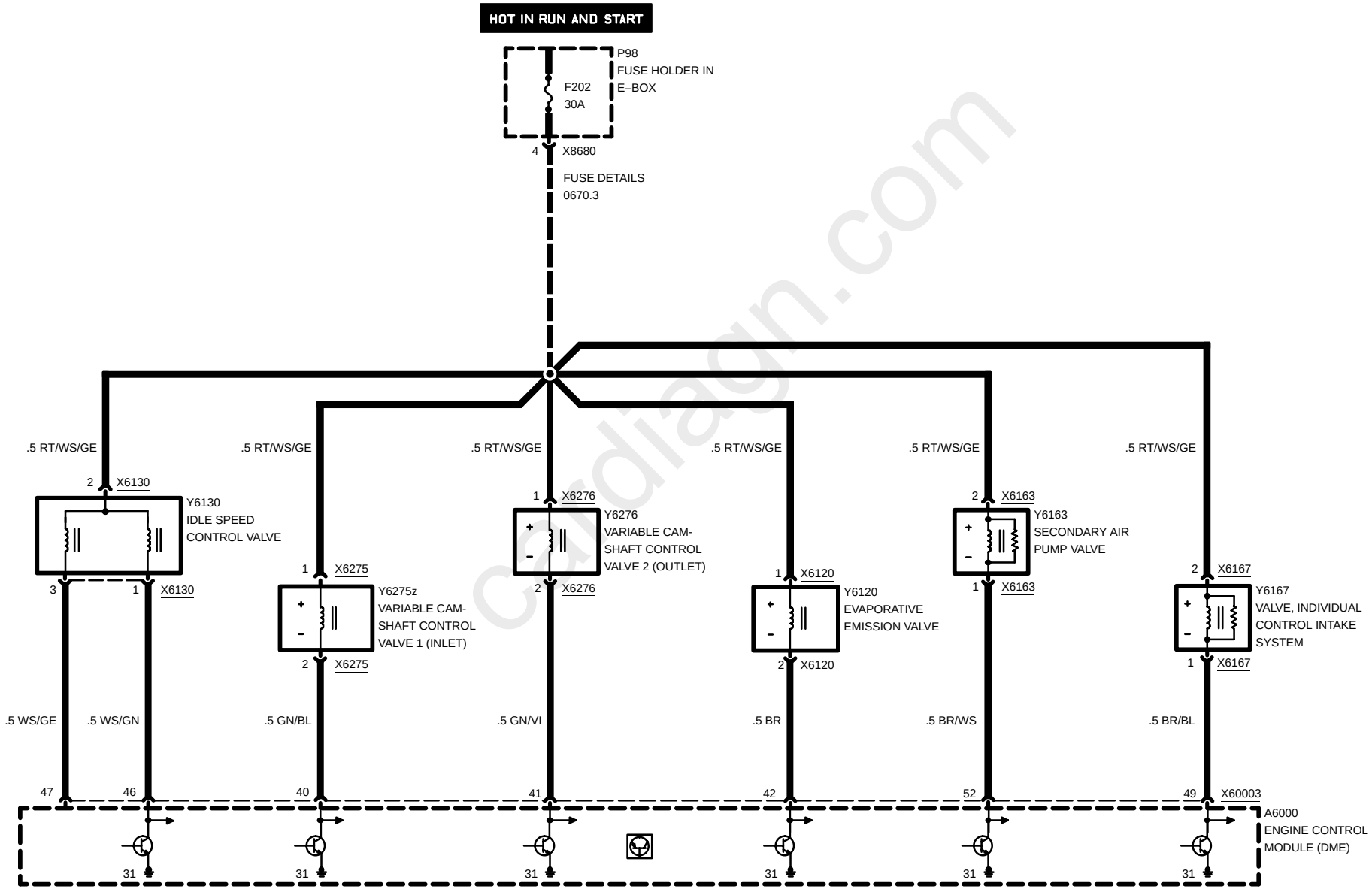
Z3 VERSIONS



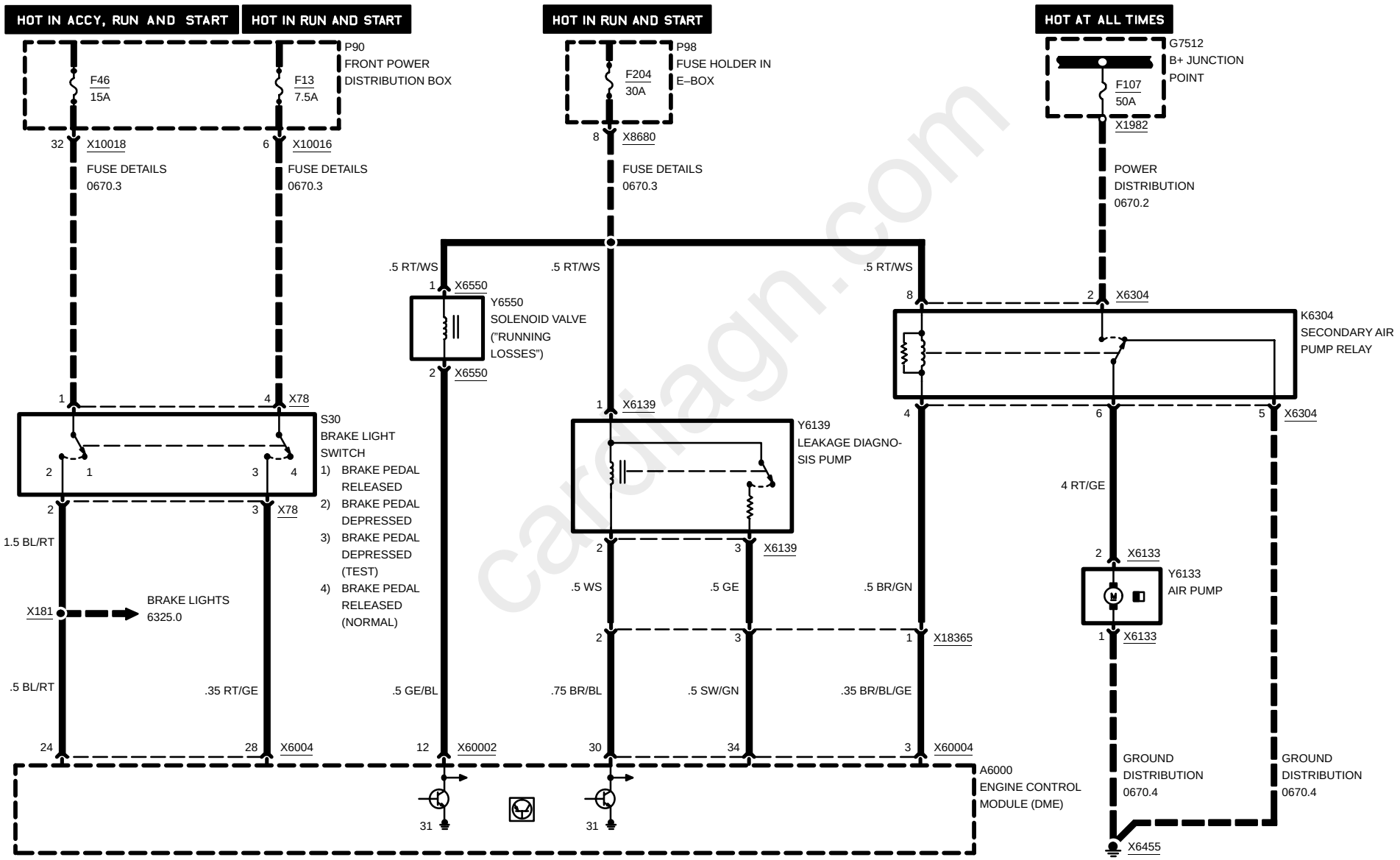
carsiagn.com


HOT IN RUN AND START
P98
FUSE HOLDER IN E–BOX
F202
30A
4
X8680
FUSE DETAILS
0670.3
.5 RT/WS/GE
.5 RT/WS/GE
.5 RT/WS/GE
.5 RT/WS/GE
.5 RT/WS/GE
.5 RT/WS/GE
1
X6101
Y6101
CYL. 1 FUEL INJECTION VALVE
2
X6101
1
X6103
Y6103
CYL. 3 FUEL INJECTION VALVE
2
X6103
1
X6105
Y6105
CYL. 5 FUEL INJECTION VALVE
2
X6105
1
X6102
Y6102
CYL. 2 FUEL INJECTION VALVE
2
X6102
1
X6104
Y6104
CYL. 4 FUEL INJECTION VALVE
2
X6104
1
X6106
Y6106
CYL. 6 FUEL INJECTION VALVE
2
X6106
.75 BR/WS
.75 BR/RT
.75 BR/GE
.75 BR/BL
.75 BR/GN
.75 BR/VI
33
34
35
36
37
38
X60003
A6000
ENGINE CONTROL MODULE (DME)
31
31
31
31
31
31

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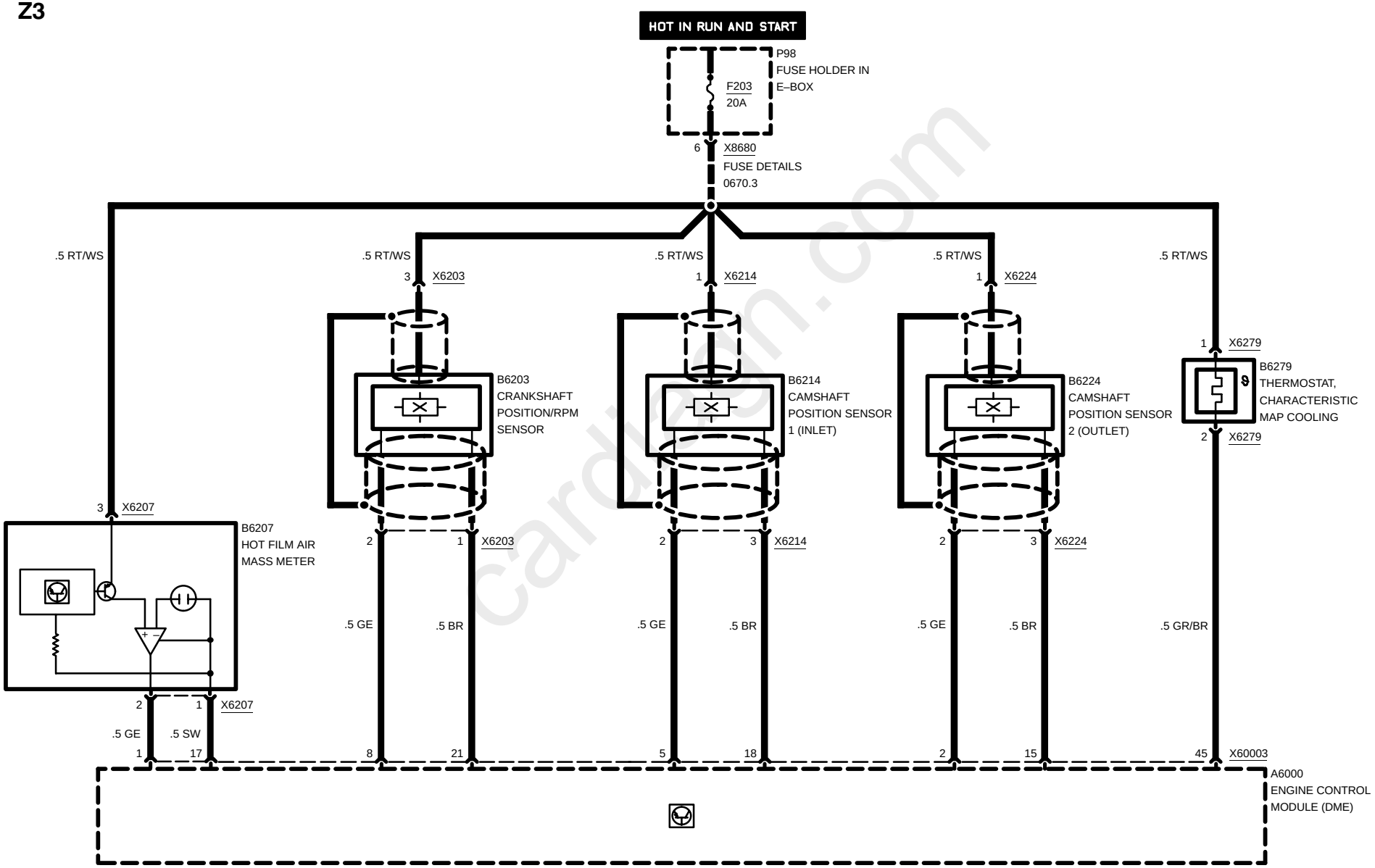
cardiagn.com



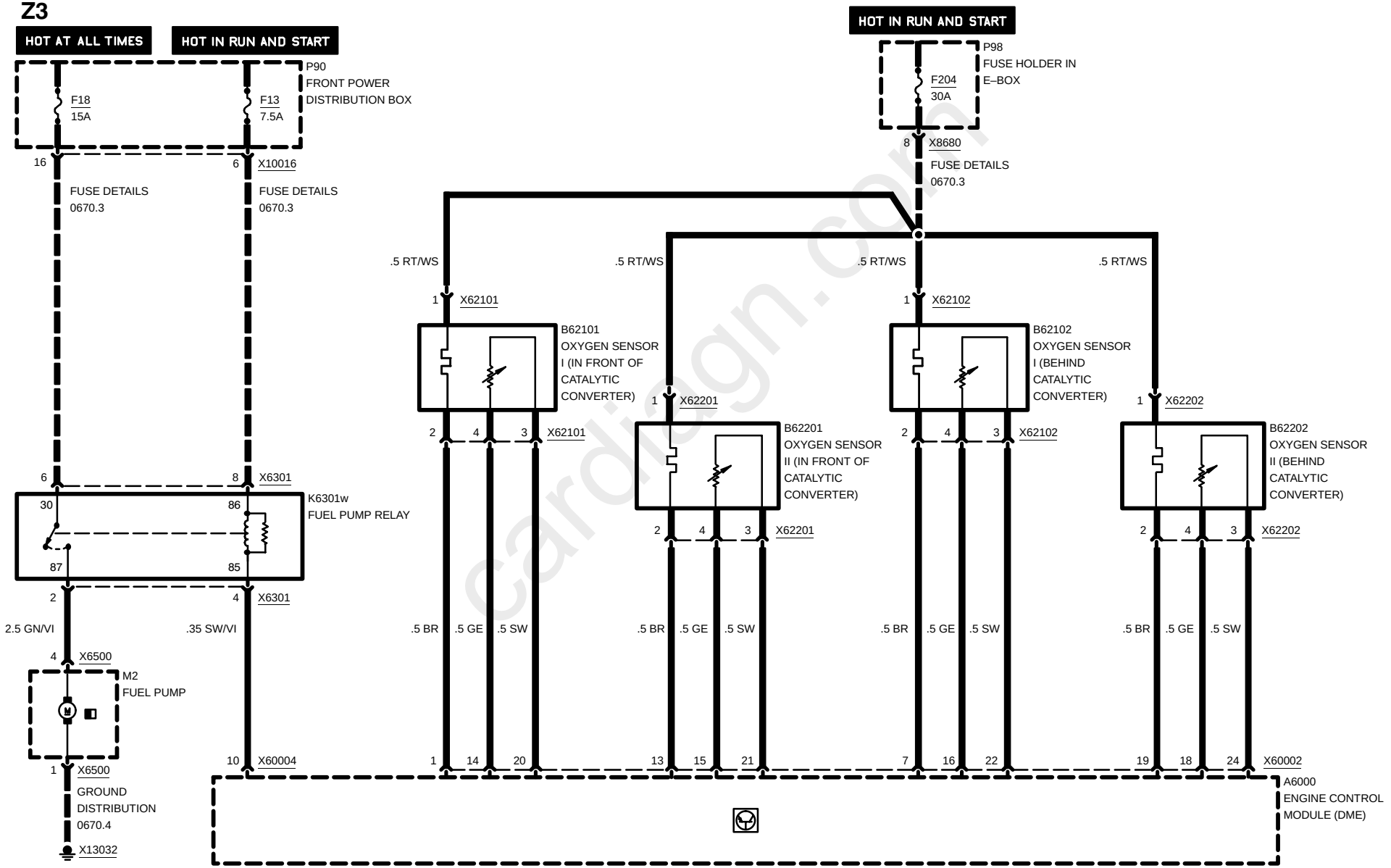
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ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)

Z3 VERSIONS



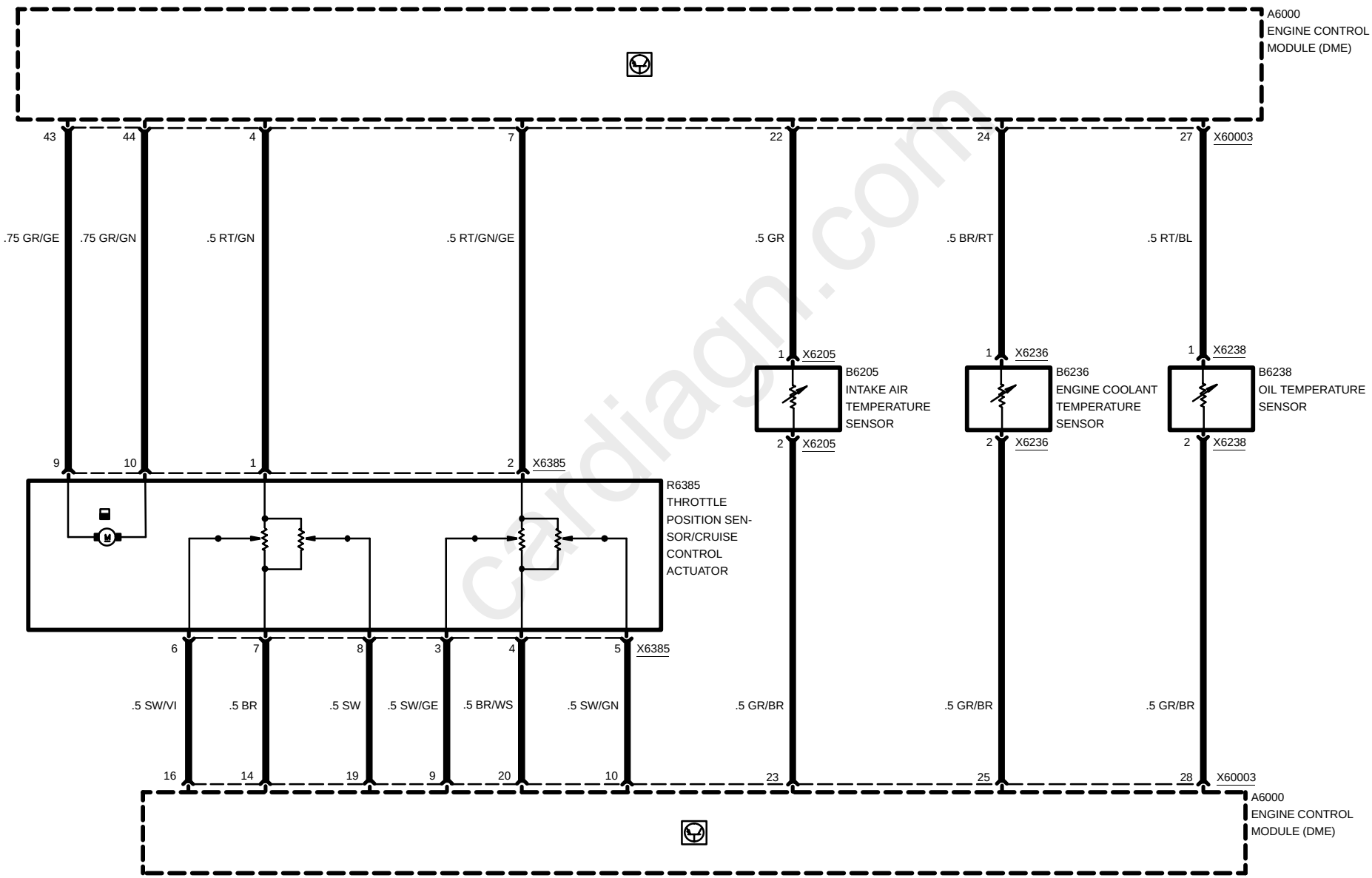
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ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)

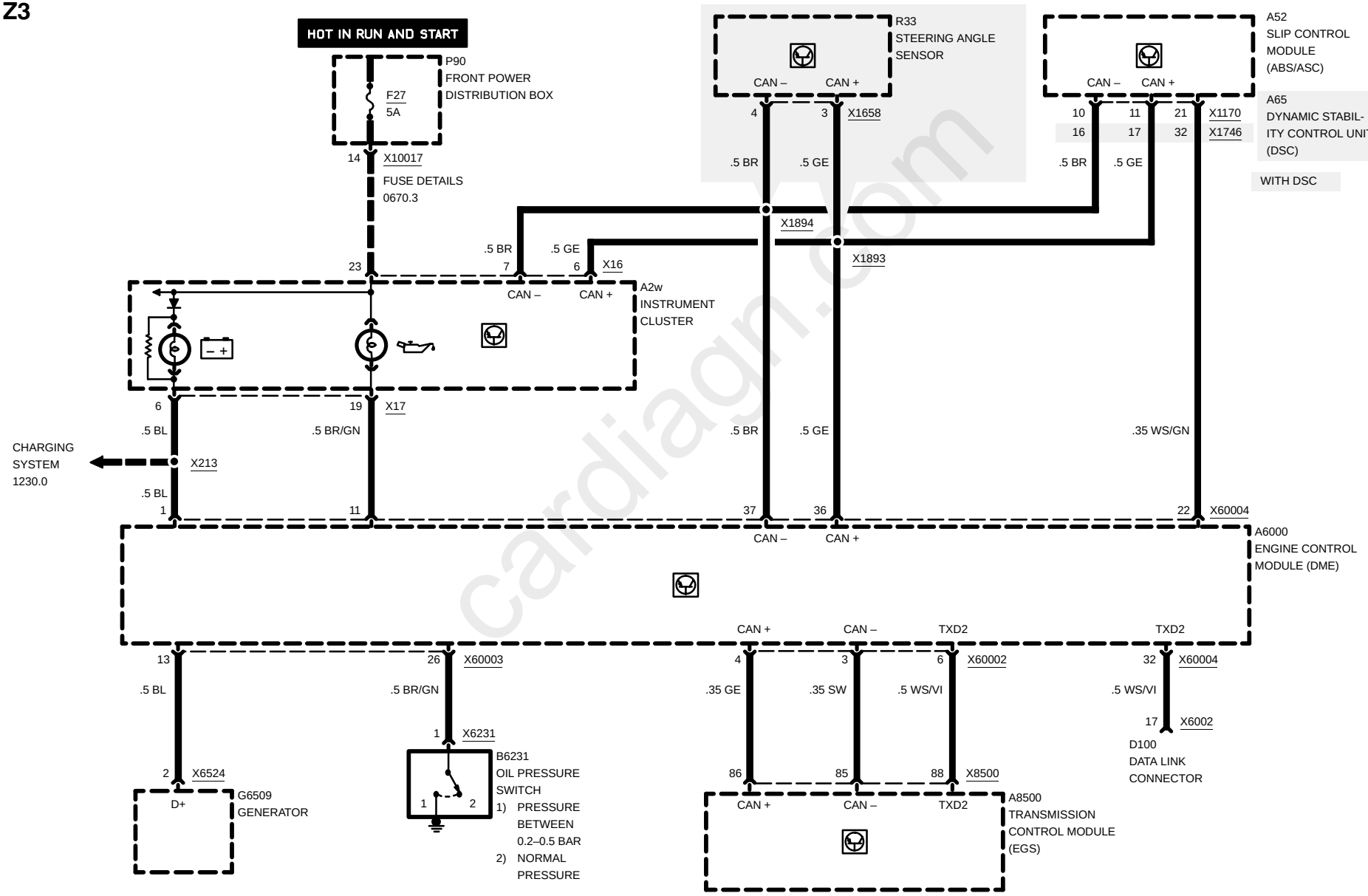
Z3 VERSIONS



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ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)

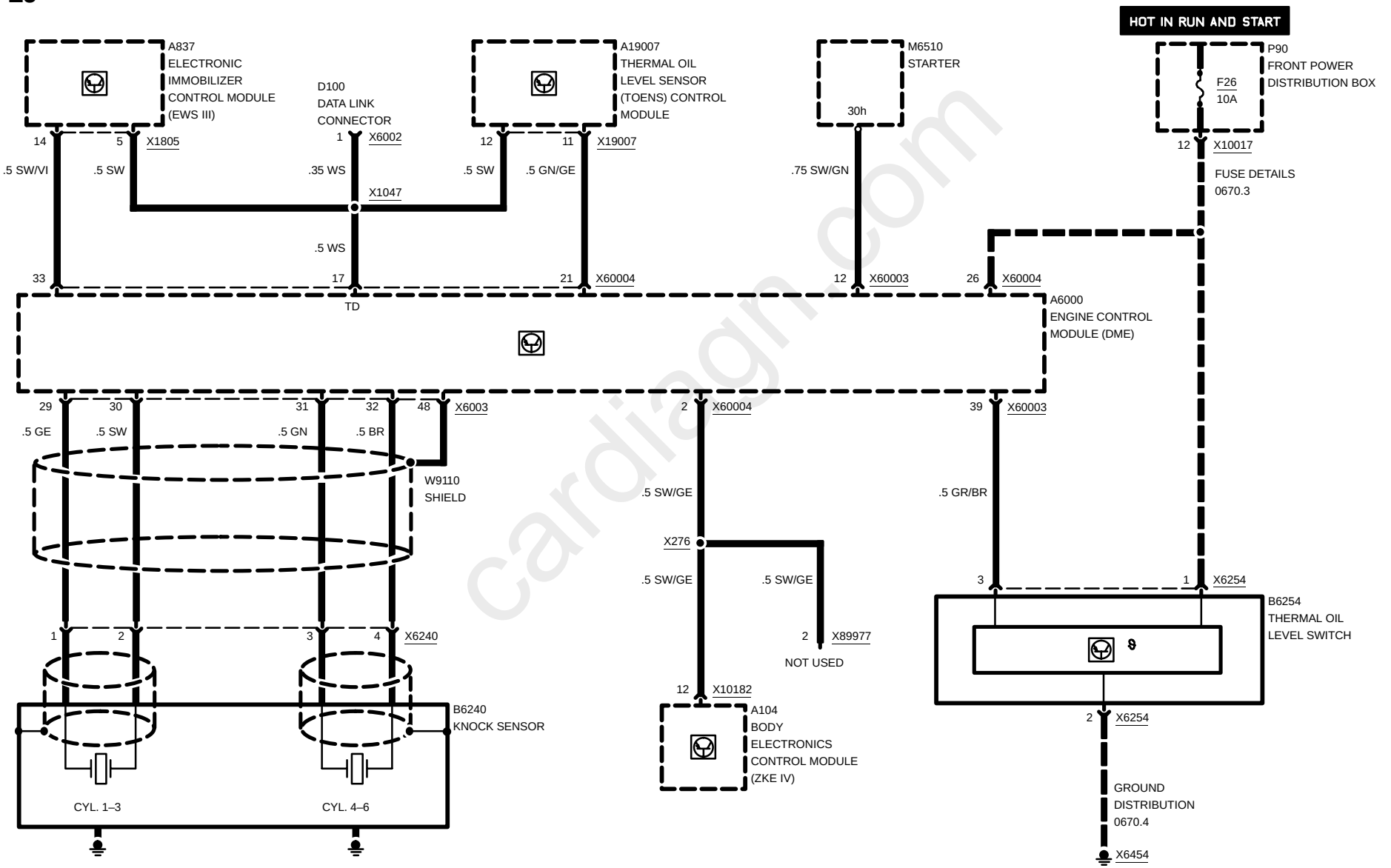
Z3 VERSIONS



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ENGINE CONTROL SYSTEM MS42.1 (6–CYLINDER M52)

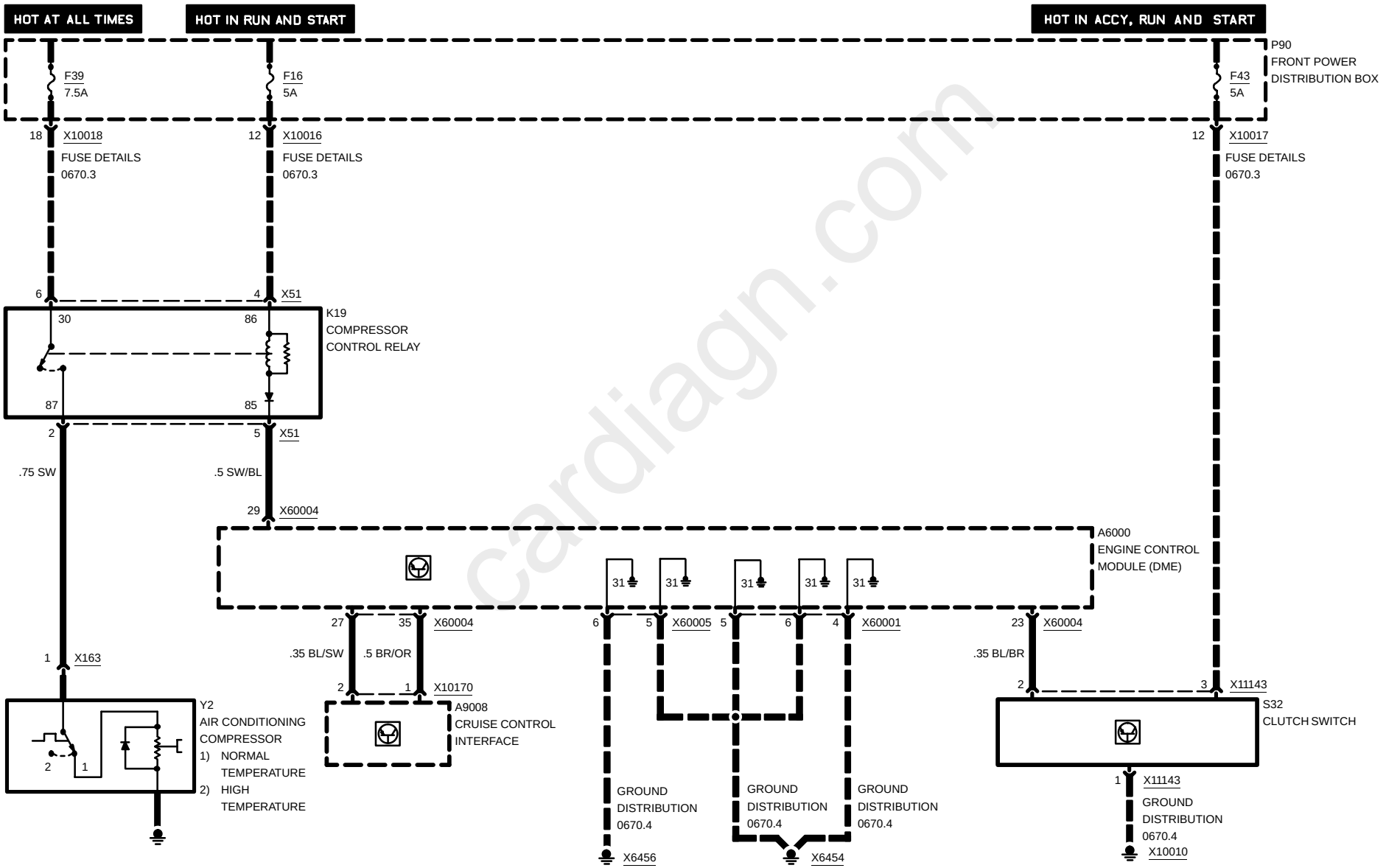
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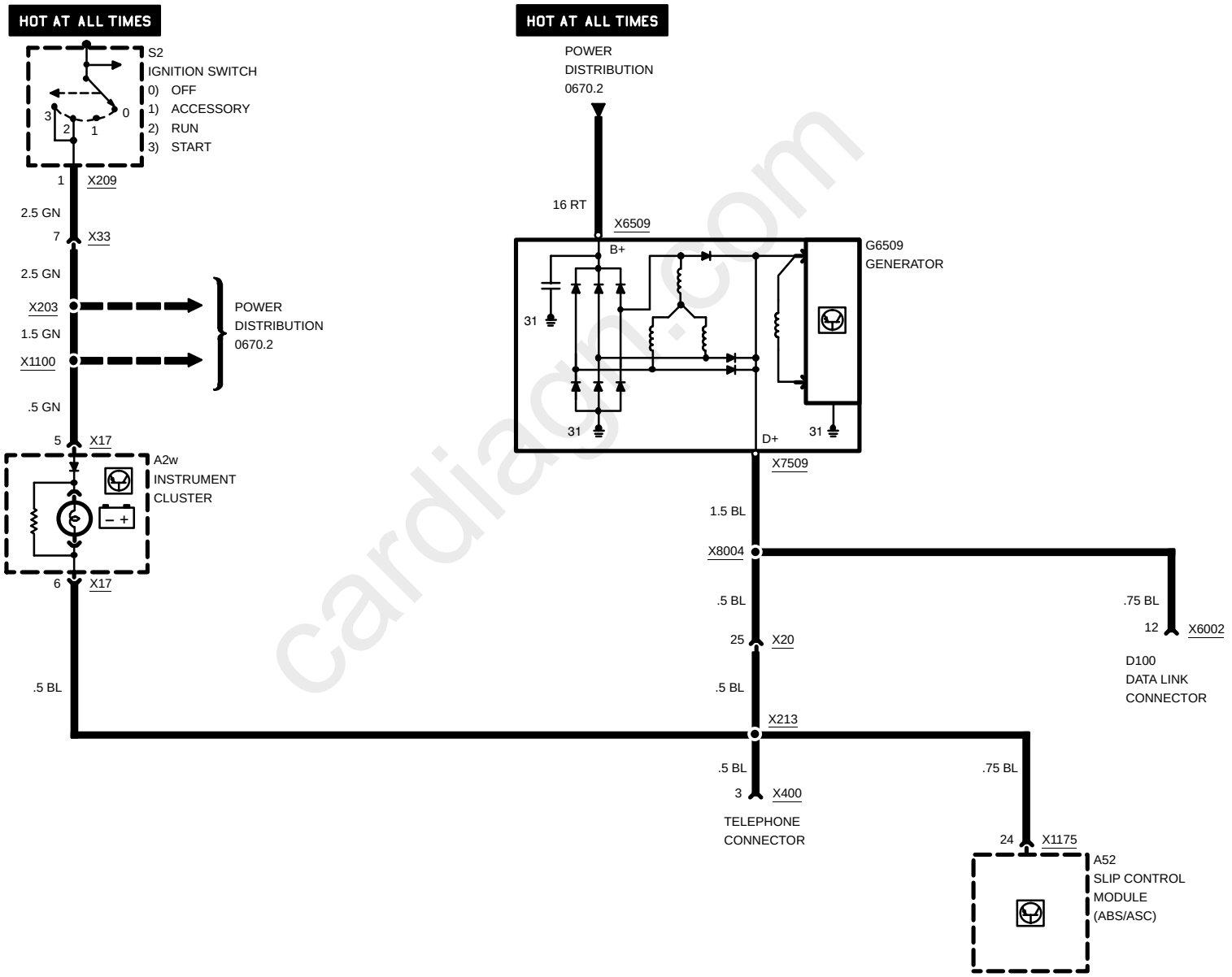
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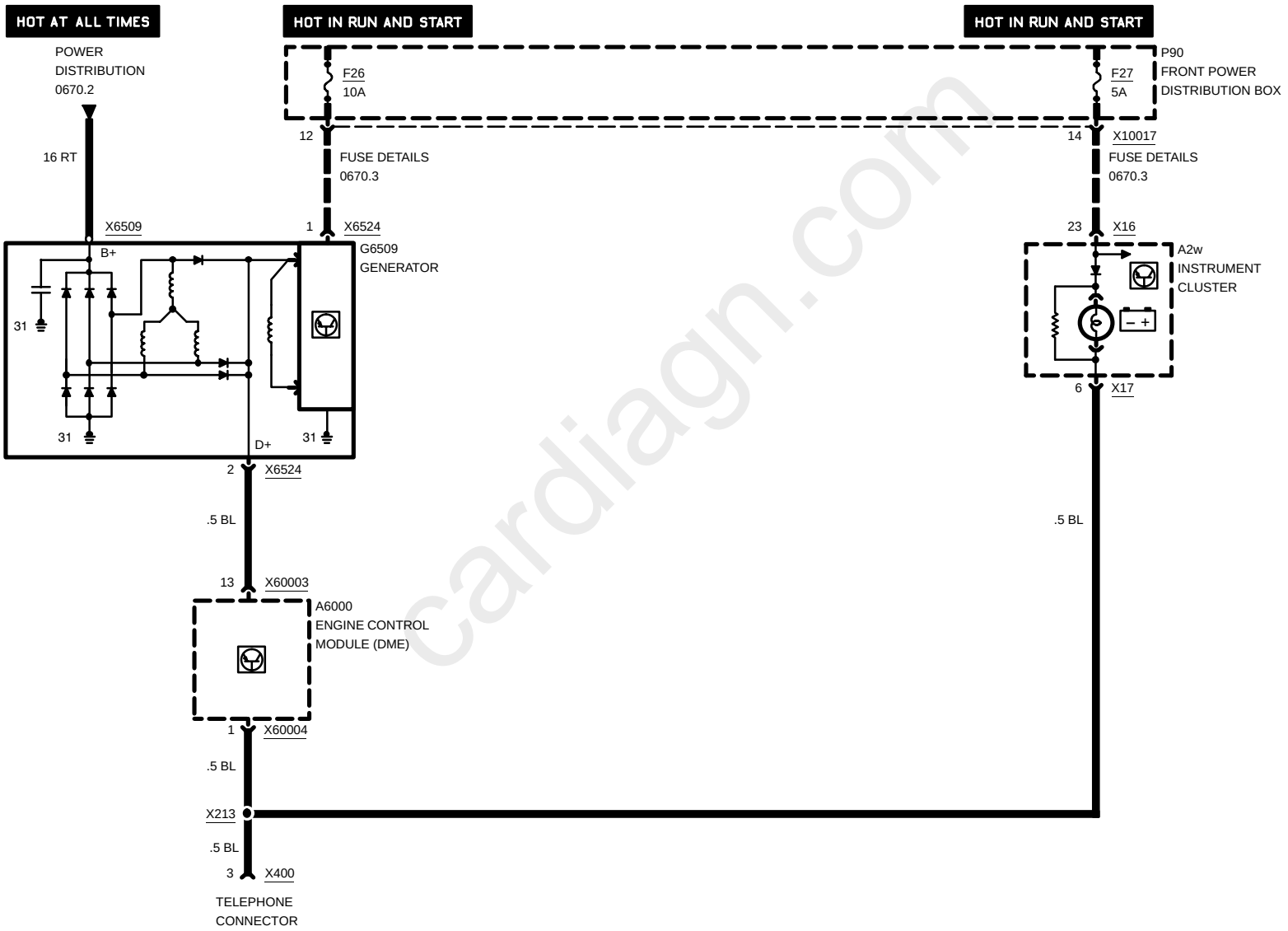
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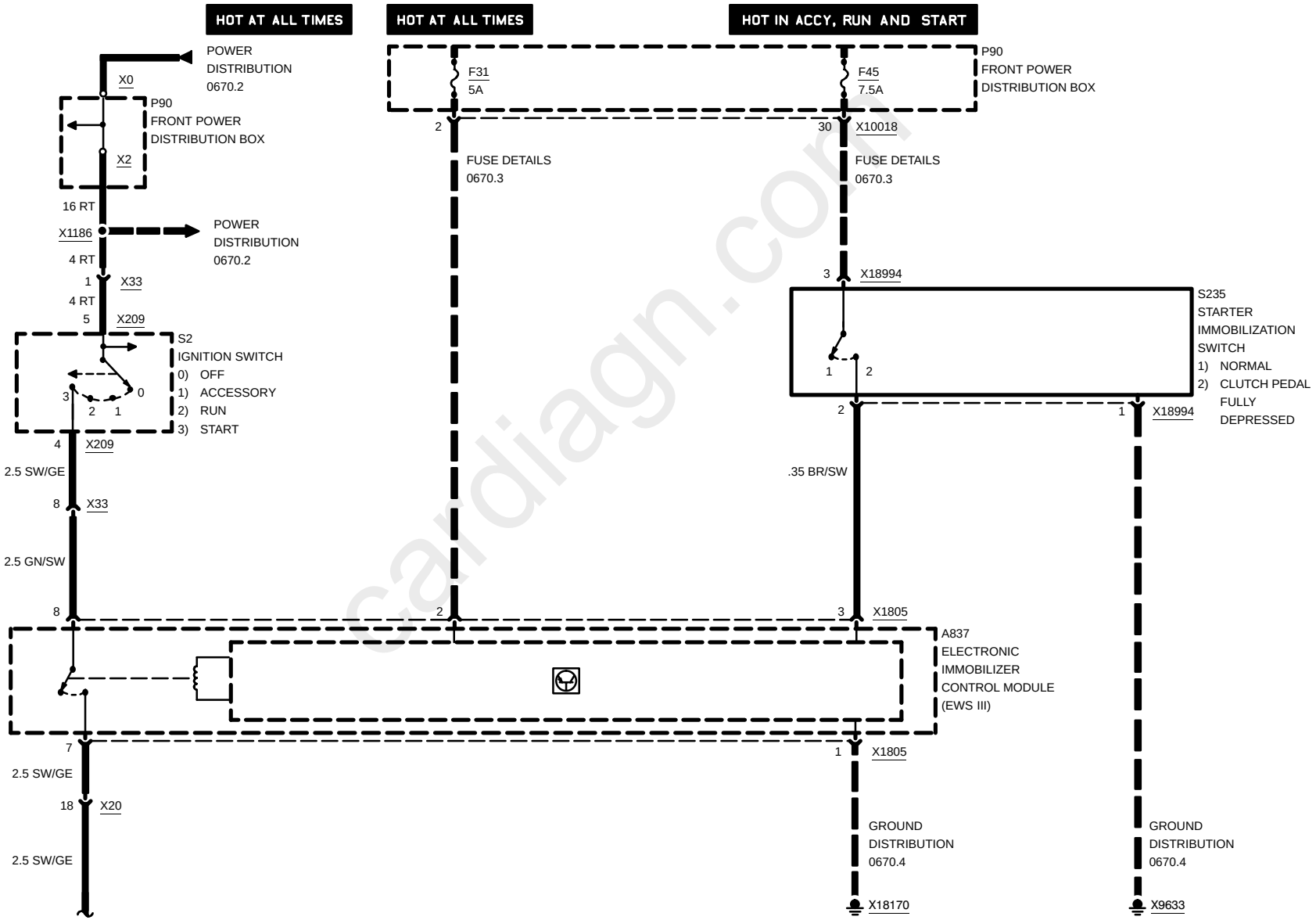
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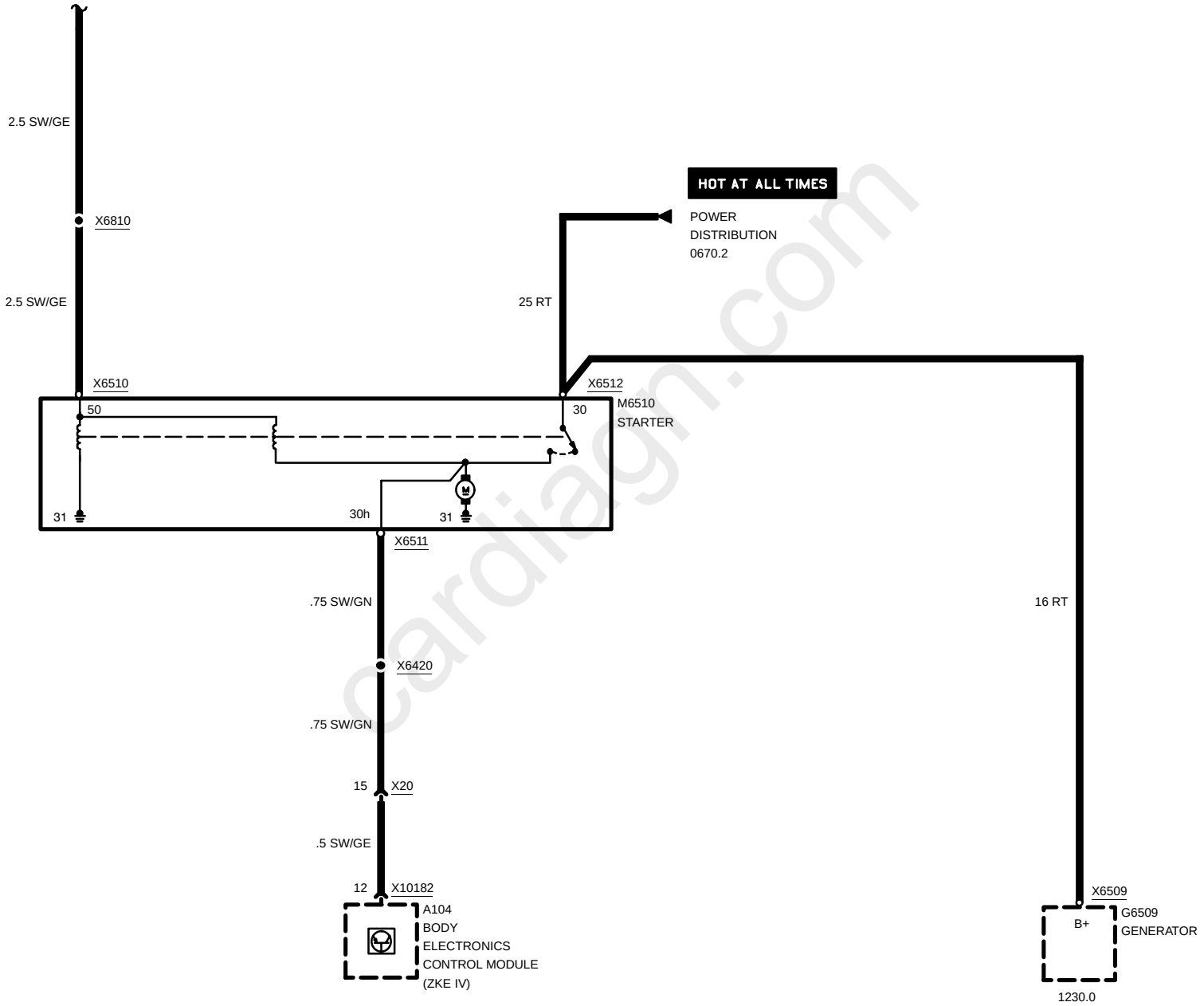
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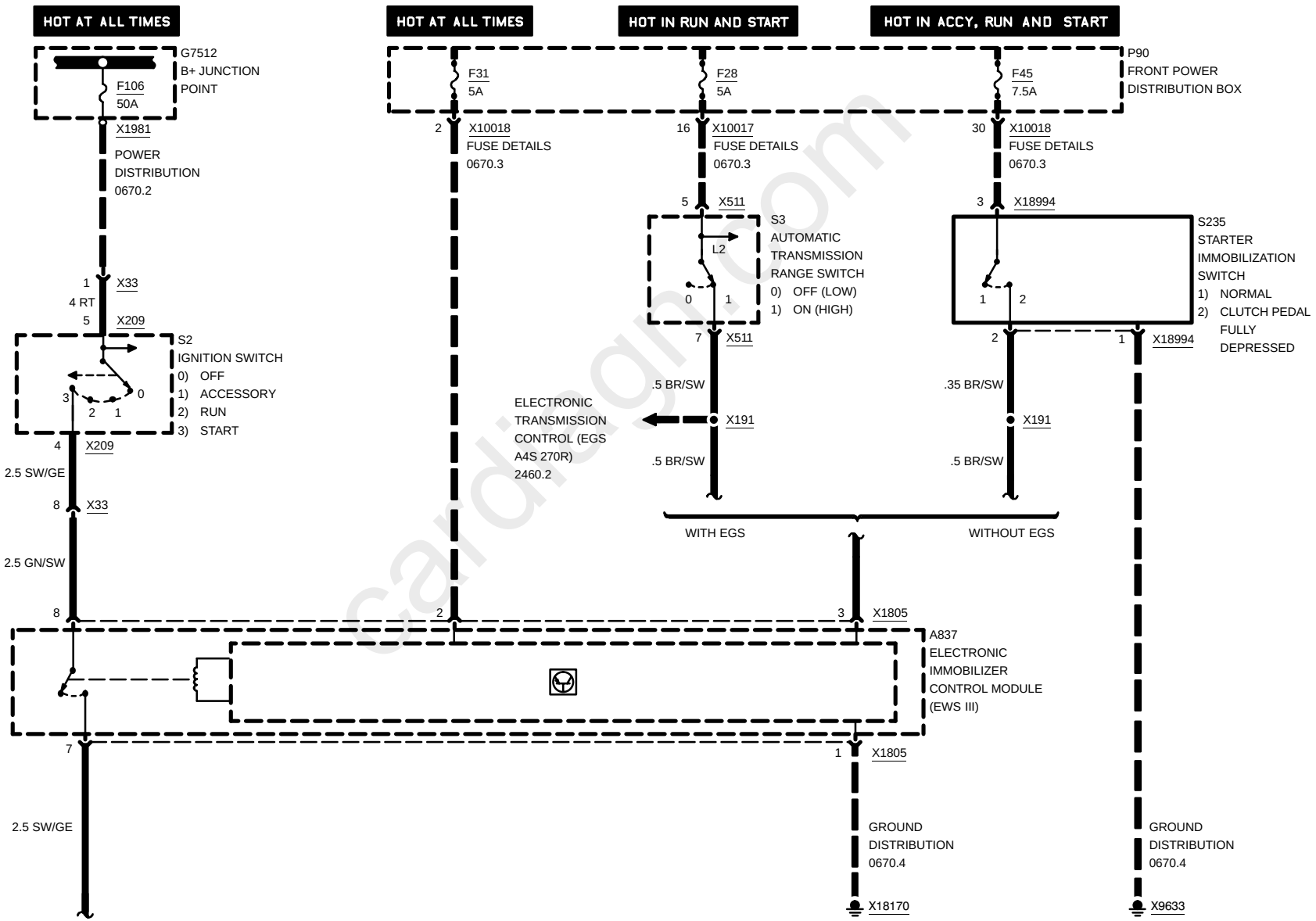
cardiagn.com



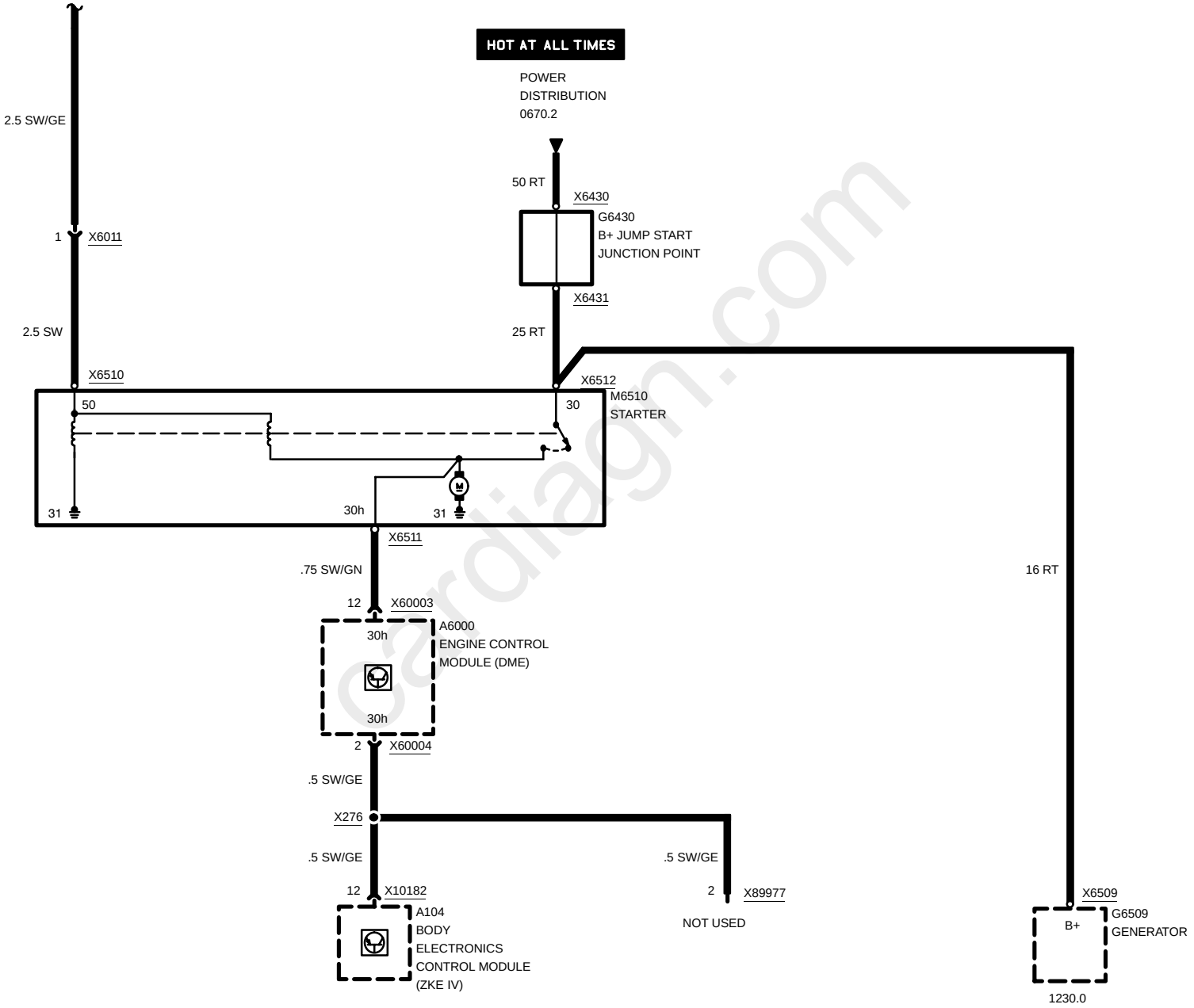
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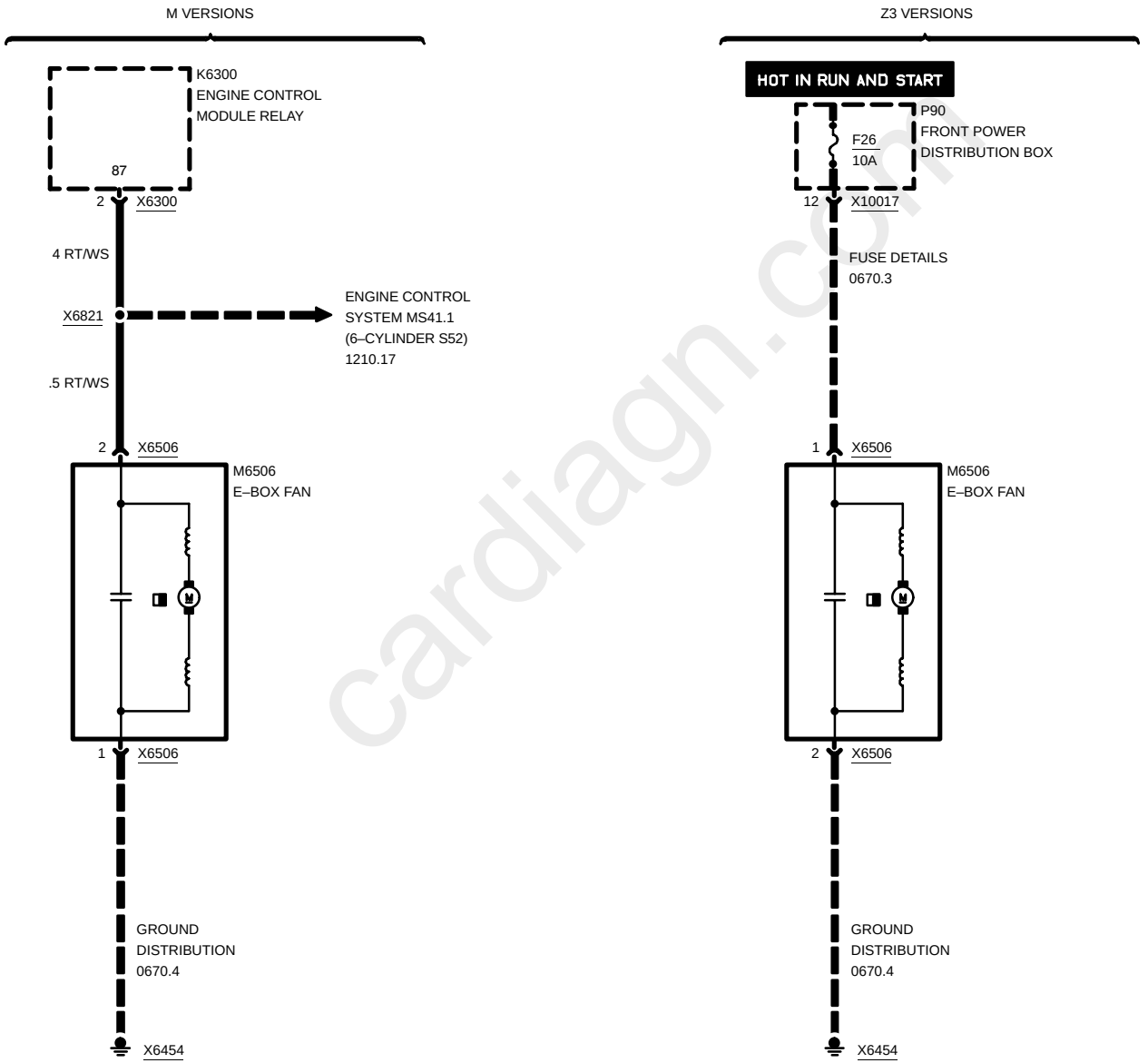


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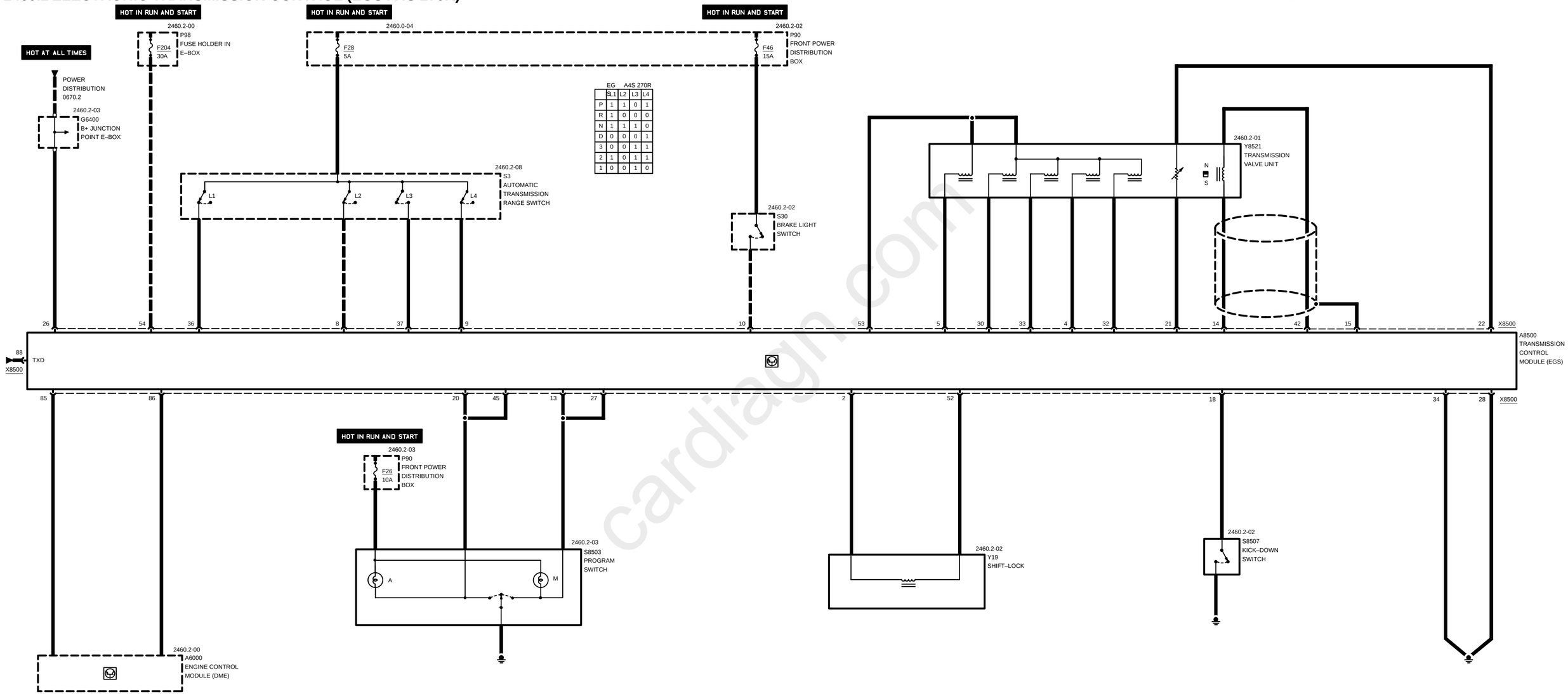
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1290.0 E–BOX FAN

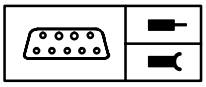


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2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)



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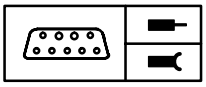
Pin Assignments

X8500

Pin	Type	Description/Function	Connection
10		Not used	
11	M	Ground	Shift-lock
12		Not used	
13	A	Solenoid valve 3 control (–)	Transmission valve unit
14	A	Hydraulic pressure regulator control (–)	Transmission valve unit
15		Not used	
16		Not used	
17	E	Gear range signal L2	Automatic transmission range switch
18	E	Gear range signal L4	Automatic transmission range switch
19	E	Brake pedal position	Brake light switch
20		Not used	
21		Not used	
22	E	Manual mode signal	Program switch
23	E	Output speed (–)	Transmission valve unit
24	M	Ground for shield	Shield for speed sensor
25		Not used	
26		Not used	
27	E	Kick-down signal	Kick-down switch
28		Not used	
29	E	Automatic mode signal	Program switch
30	E	Oil temperature signal (–)	Transmission valve unit
31	E	Oil temperature signal (+)	Transmission valve unit
32		Not used	
33		Not used	
34		Not used	
35	E	Battery voltage	B+ junction point E-box
36	A	M-program indication	Program switch
37	M	Ground	Ground point
38		Not used	
39	A	Solenoid valve 1 control (–)	Transmission valve unit

E = Input, A = Output, M = Ground

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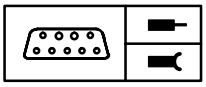


Pin Assignments

Pin	Type	Description/Function	Connection
40		Not used	
41	A	Torque converter clutch solenoid valve control (–)	Transmission valve unit
42	A	Solenoid valve 2 control (–)	Transmission valve unit
43	M	Ground	Ground point
44		Not used	
45	E	Gear range signal L1	Automatic transmission range switch
46	E	Gear range signal L3	Automatic transmission range switch
47		Not used	
48		Not used	
49		Not used	
50		Not used	
51	E	Output speed (+)	Transmission valve unit
52		Not used	
53		Not used	
54	A	A-program indication	Program switch
55		Not used	
56		Not used	
57		Not used	
58		Not used	
59		Not used	
60		Not used	
61	A	Shift-lock solenoid control	Shift-lock
62	A	Voltage solenoid valves	Transmission valve unit
63	E	Voltage supply	Fuse 204
64		Not used	
65		Not used	
66		Not used	
67		Not used	
68		Not used	
69		Not used	
70		Not used	

E = Input, A = Output, M = Ground

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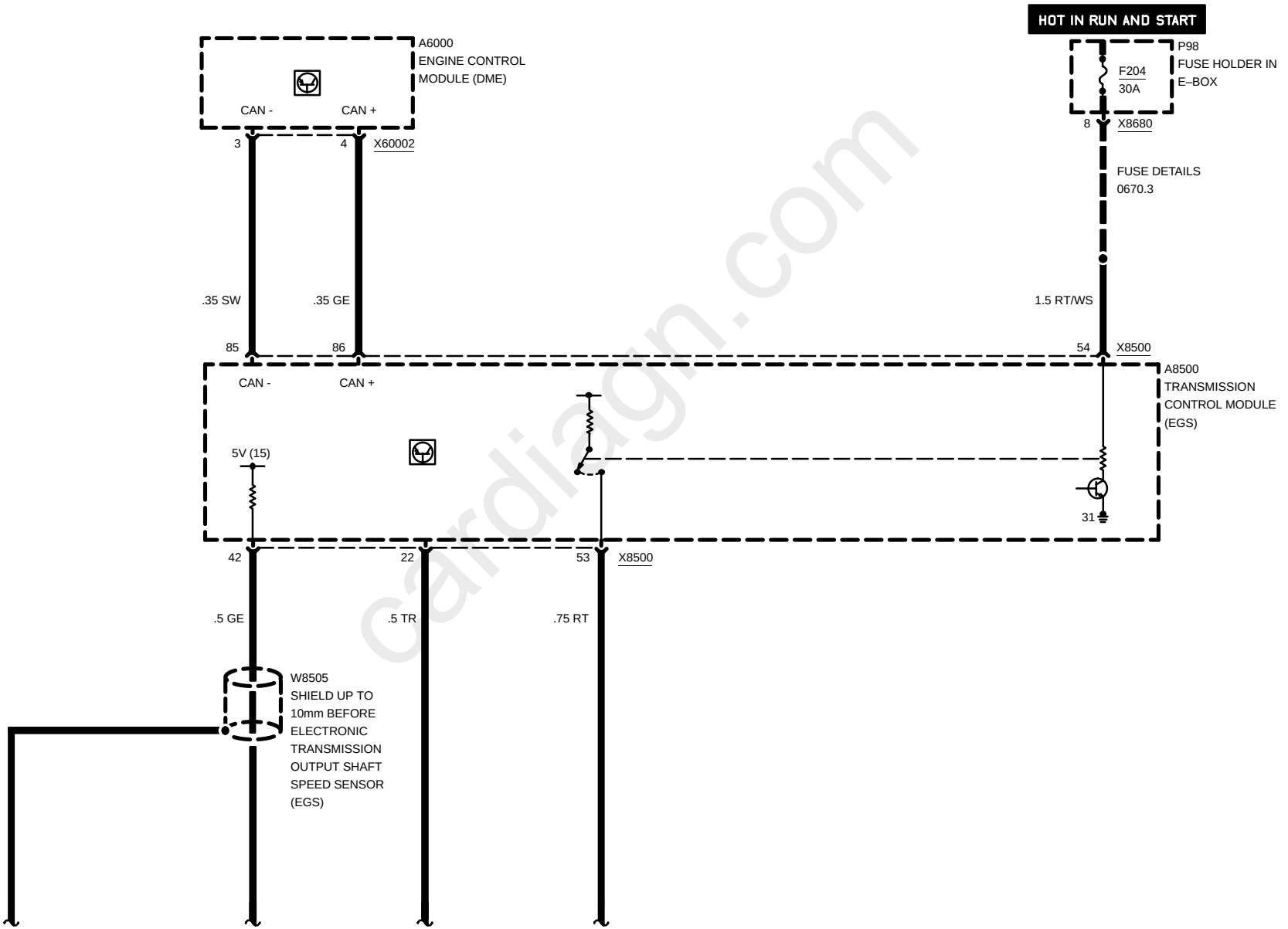
Pin Assignments

Pin	Type	Description/Function	Connection
71		Not used	
72		Not used	
73		Not used	
74		Not used	
75		Not used	
76		Not used	
77		Not used	
78		Not used	
79		Not used	
80		Not used	
81		Not used	
82		Not used	
83		Not used	
84		Not used	
85		Not used	
86		Not used	
87		Not used	
88		Not used	
89		Not used	
90		Not used	
91		Not used	
92		Not used	
93		Not used	
94	E/A	Can-Low	Engine control module
95	E/A	Can-High	Engine control module
96		Not used	
97	E/A	TxD diagnostic data link	Engine control module

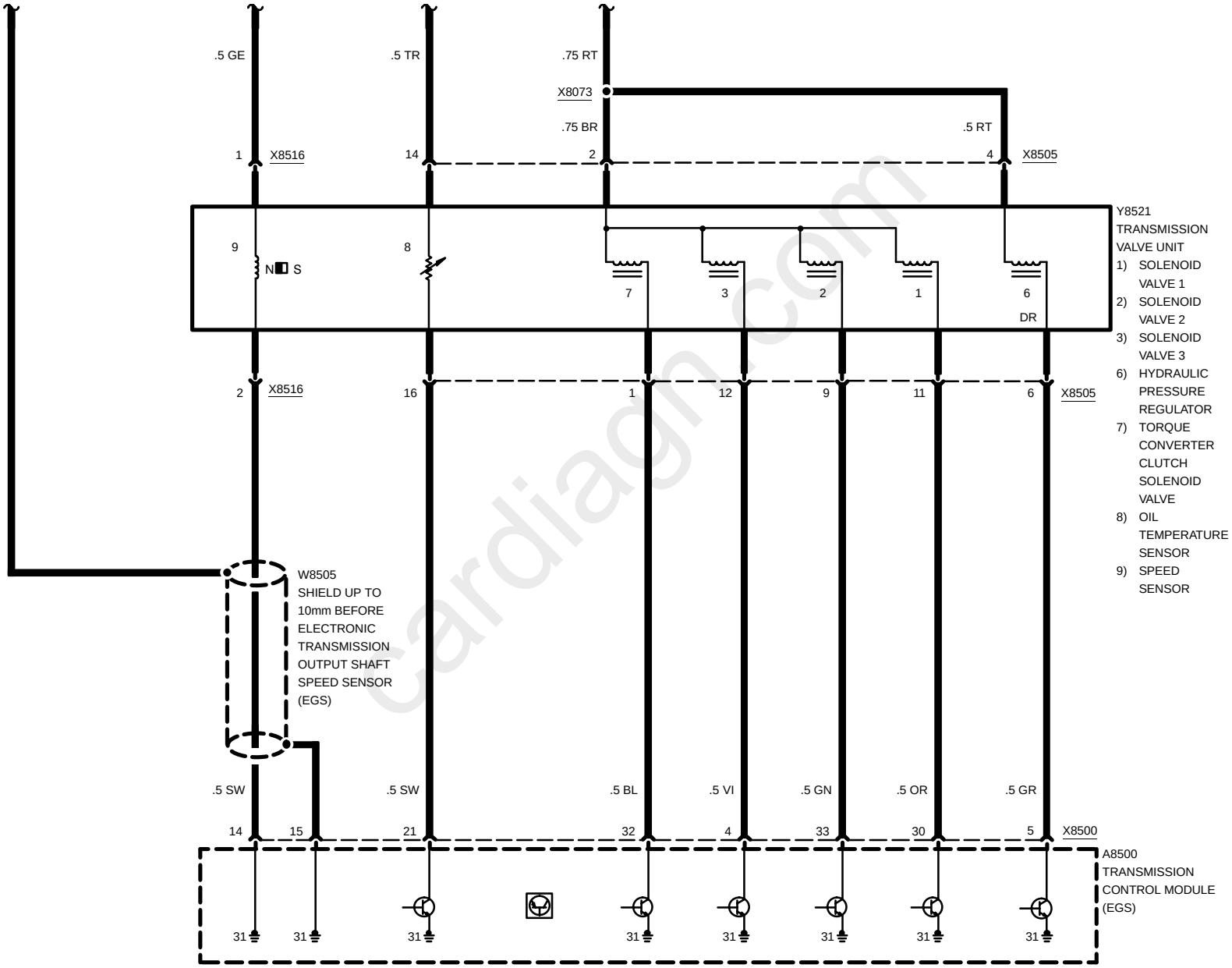
E = Input, A = Output, M = Ground

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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)



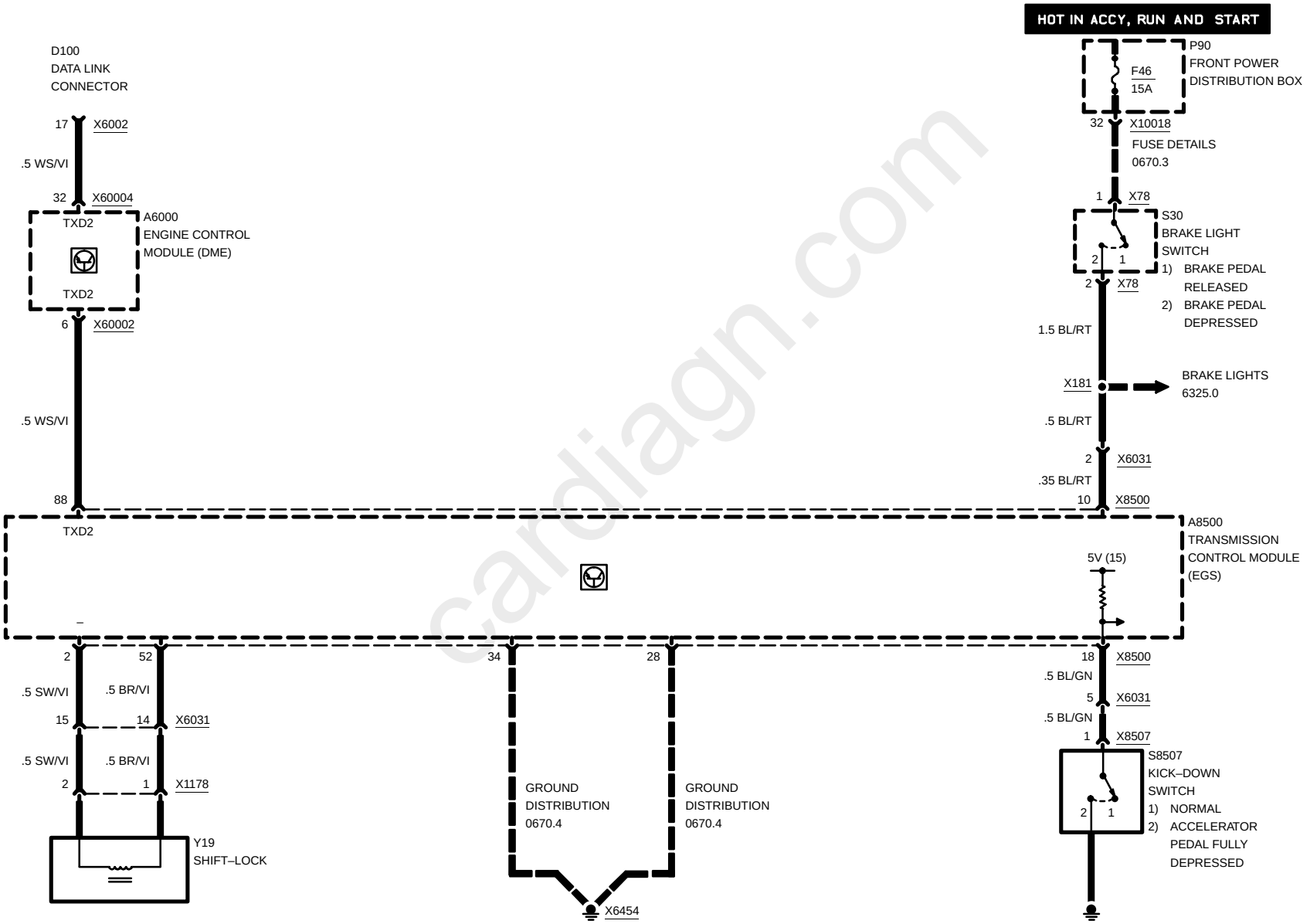
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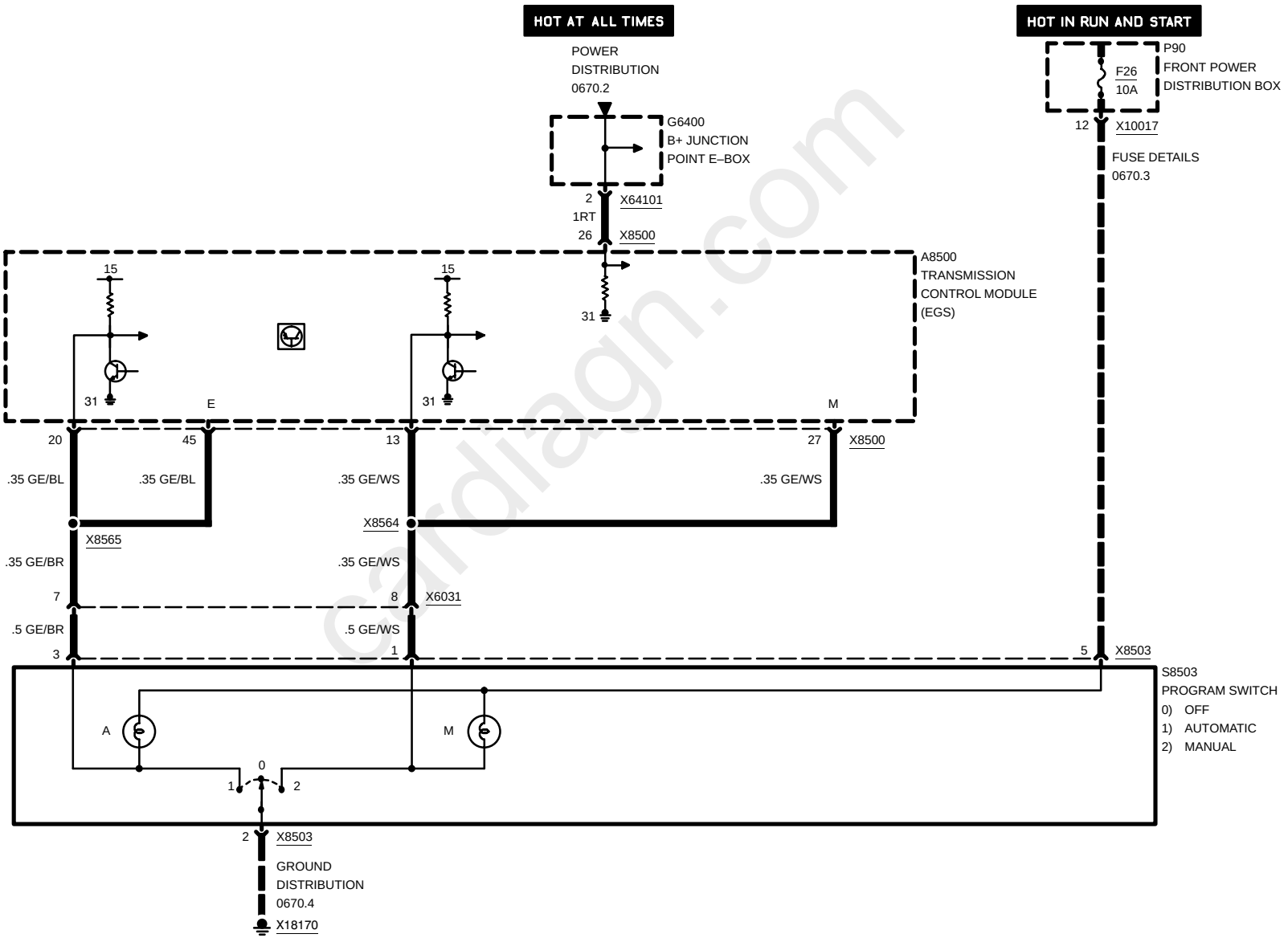
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

SHIFT LOCK, DATA LINK, KICK–DOWN SWITCH



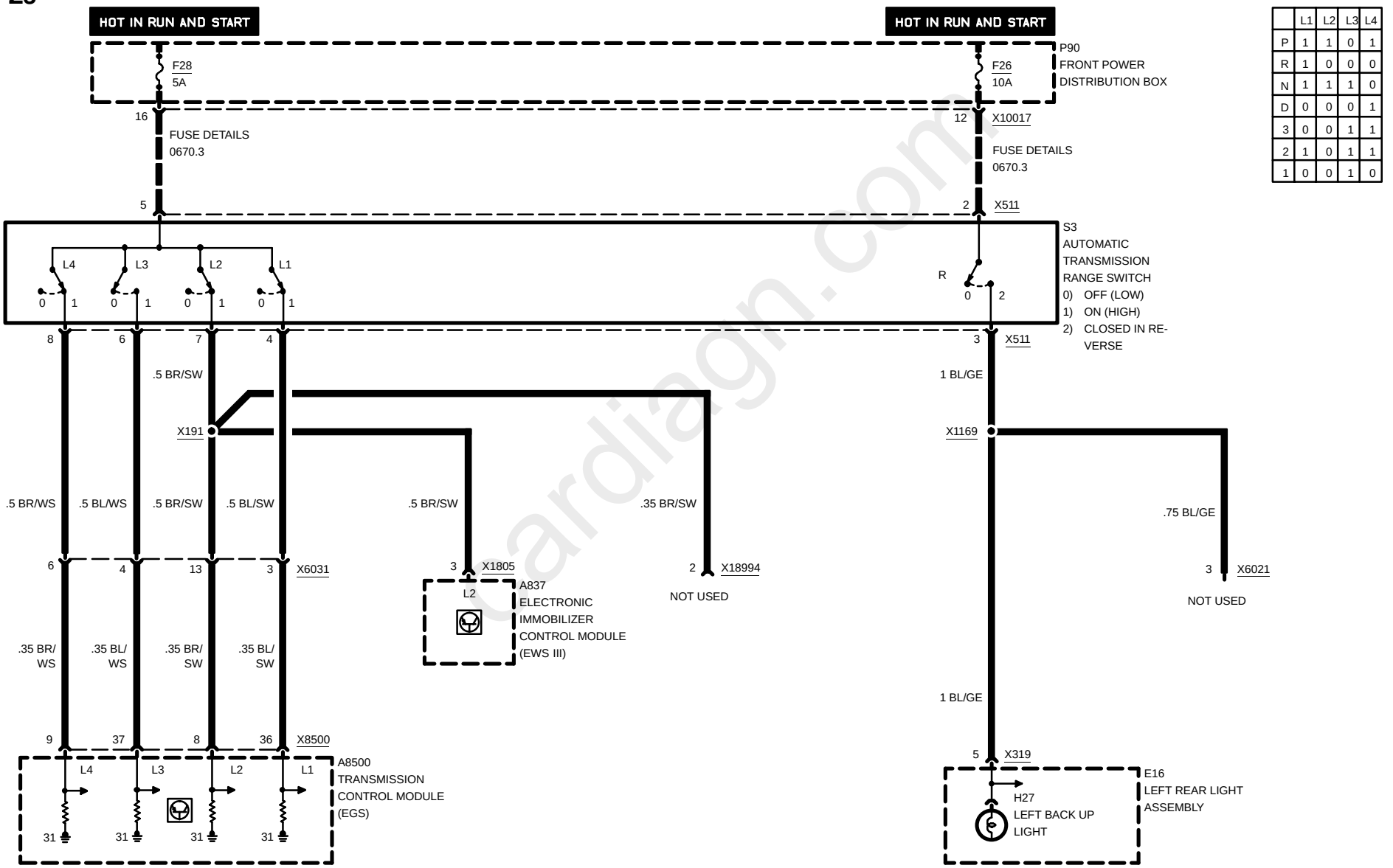
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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)



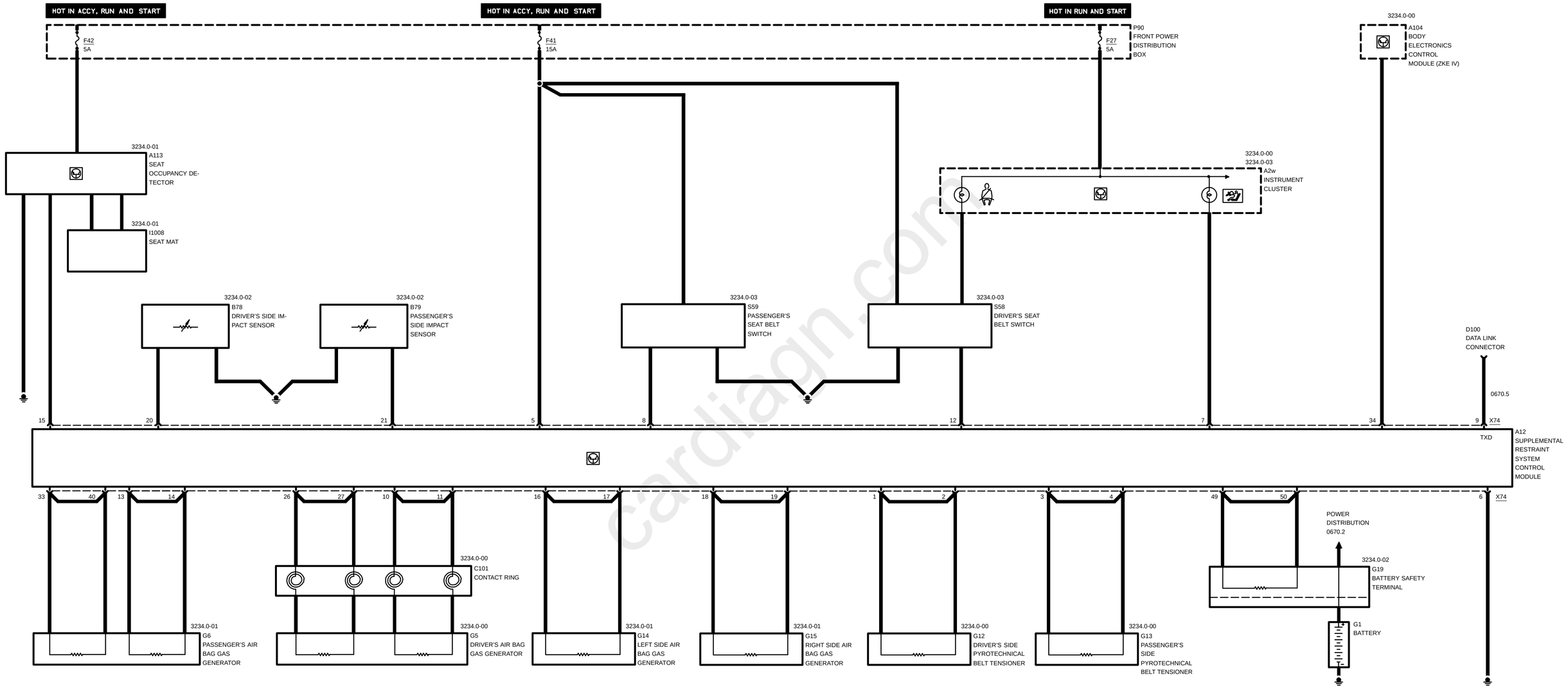
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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)



	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
3	0	0	1	1
2	1	0	1	1
1	0	0	1	0

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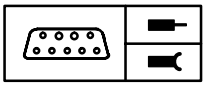
Pin Assignments

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 41
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	A	Air bag II (+)	Driver's air bag gas generator
27	A	Air bag II (–)	Driver's air bag gas generator
28		Not used	
29		Not used	

E = Input, A = Output, M = Ground

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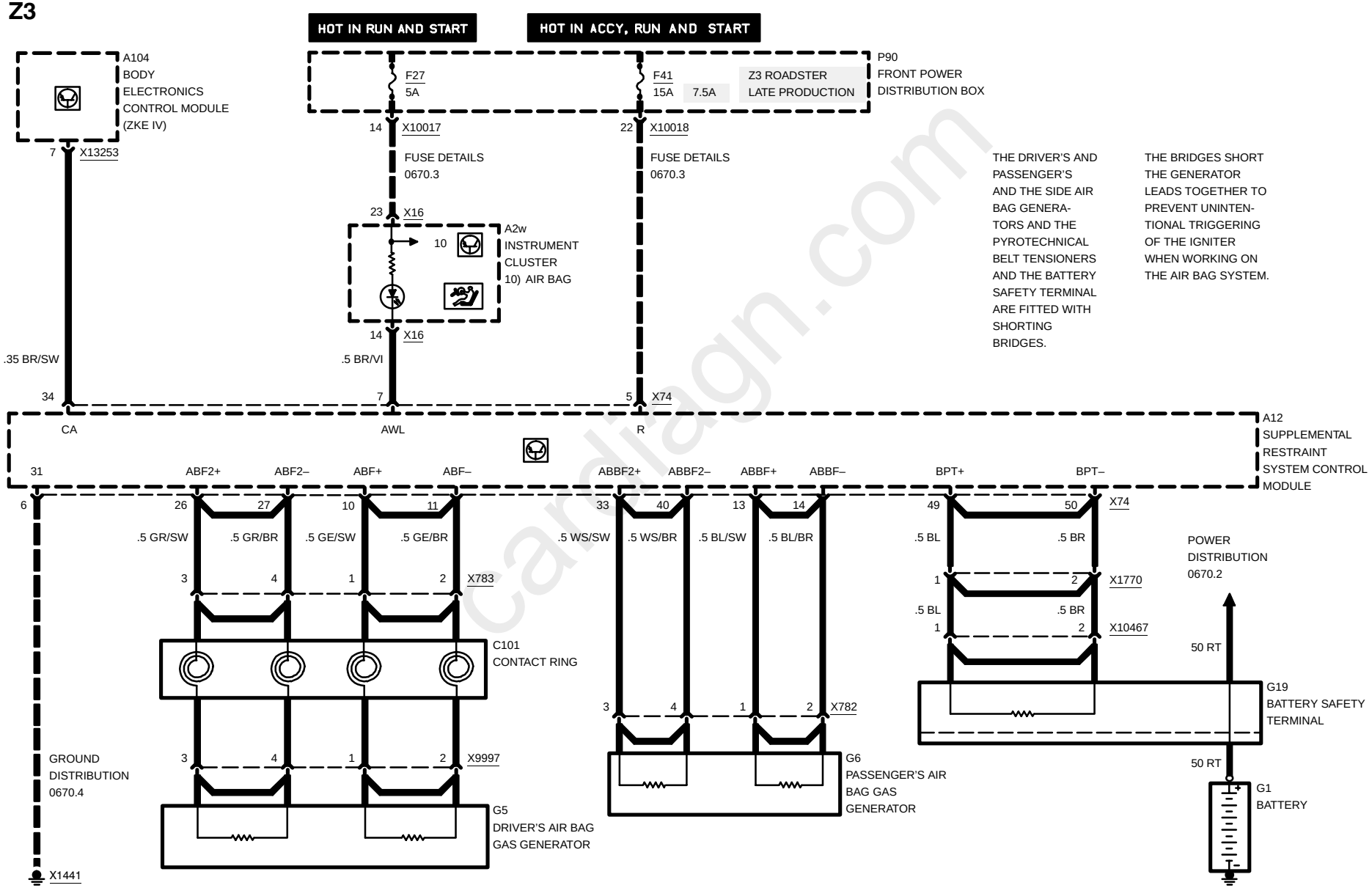
Pin Assignments

Pin	Type	Description/Function	Connection
30		Not used	
31		Not used	
32		Not used	
33	A	Air bag II (+)	Passenger's air bag gas generator
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	A	Air bag II (–)	Passenger's air bag gas generator
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	A	Battery safety terminal (+)	Battery safety terminal
50	A	Battery safety terminal (–)	Battery safety terminal

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E = Input, A = Output, M = Ground

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



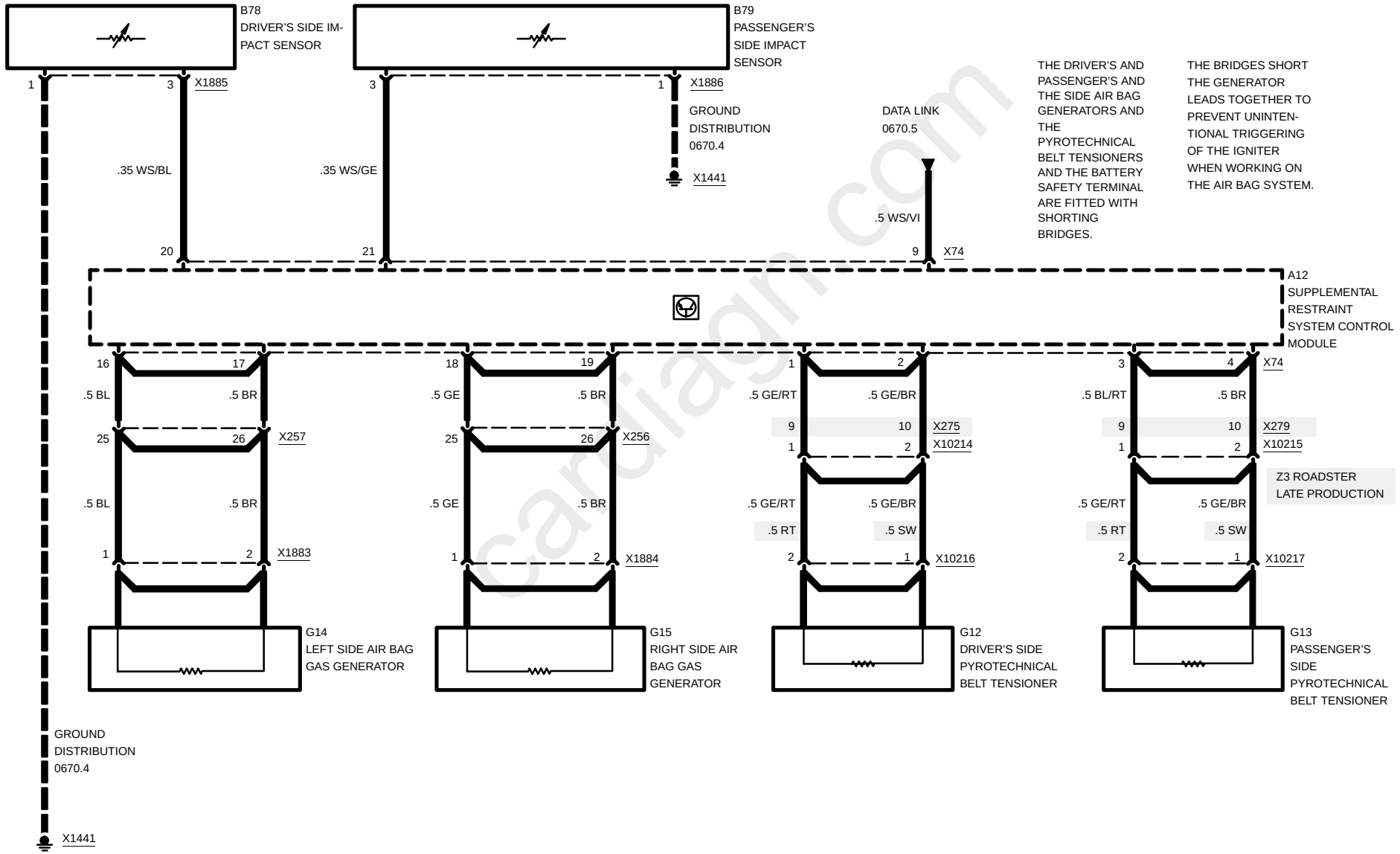
THE DRIVER'S AND PASSENGER'S AND THE SIDE AIR BAG GENERATORS AND THE PYROTECHNICAL BELT TENSIONERS AND THE BATTERY SAFETY TERMINAL ARE FITTED WITH SHORTING BRIDGES.

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

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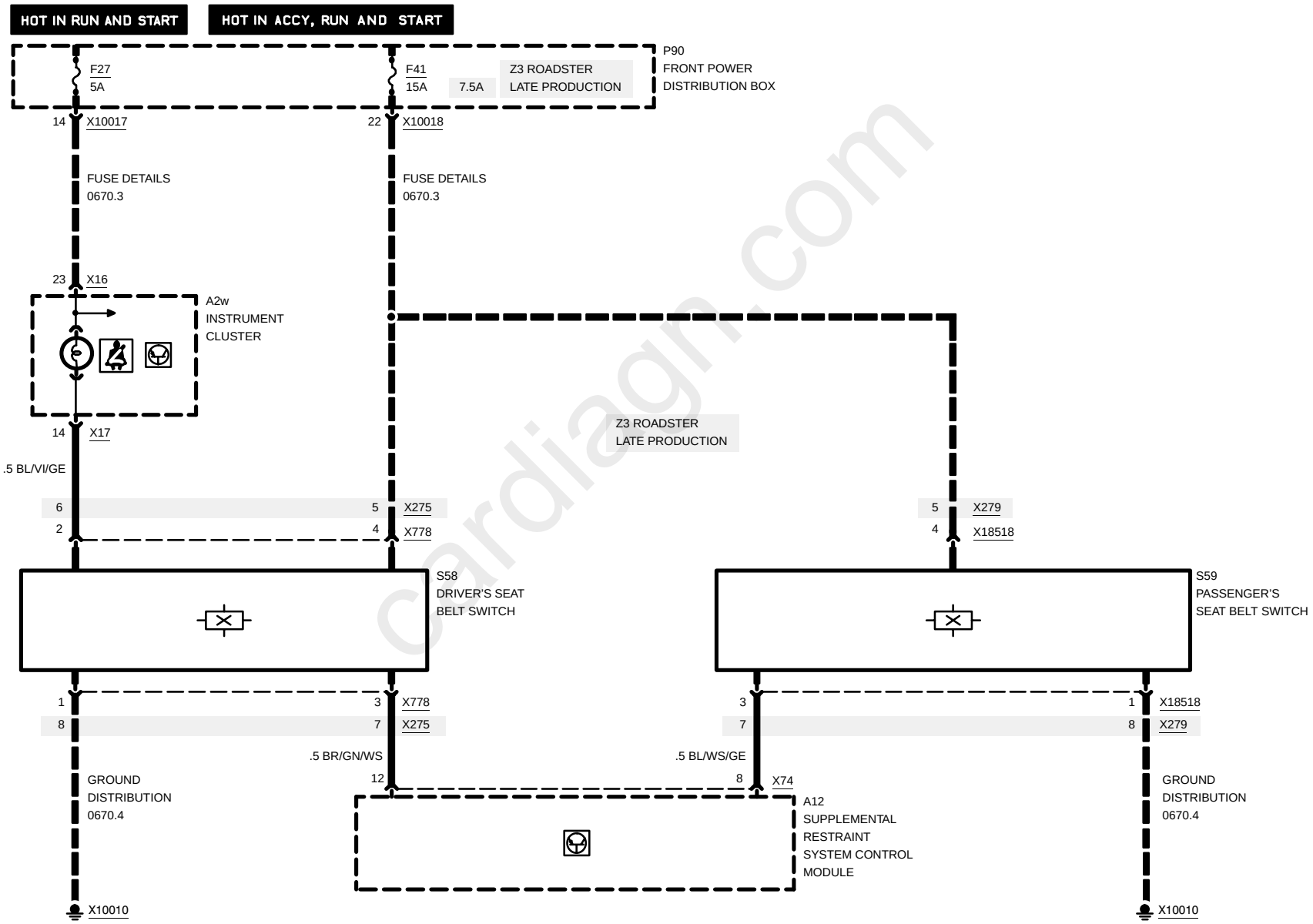
SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

SIDE AIR BAG



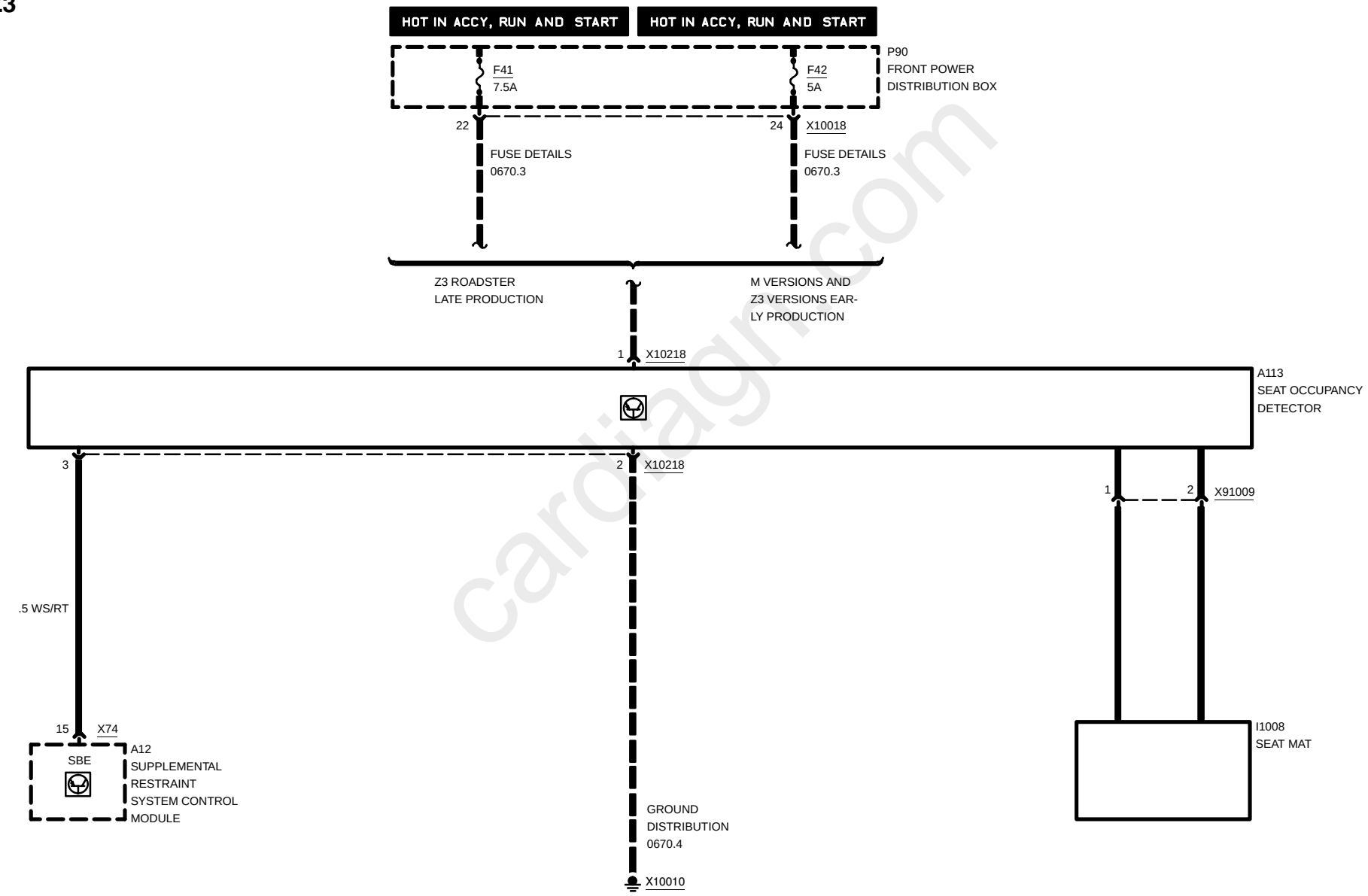
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SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



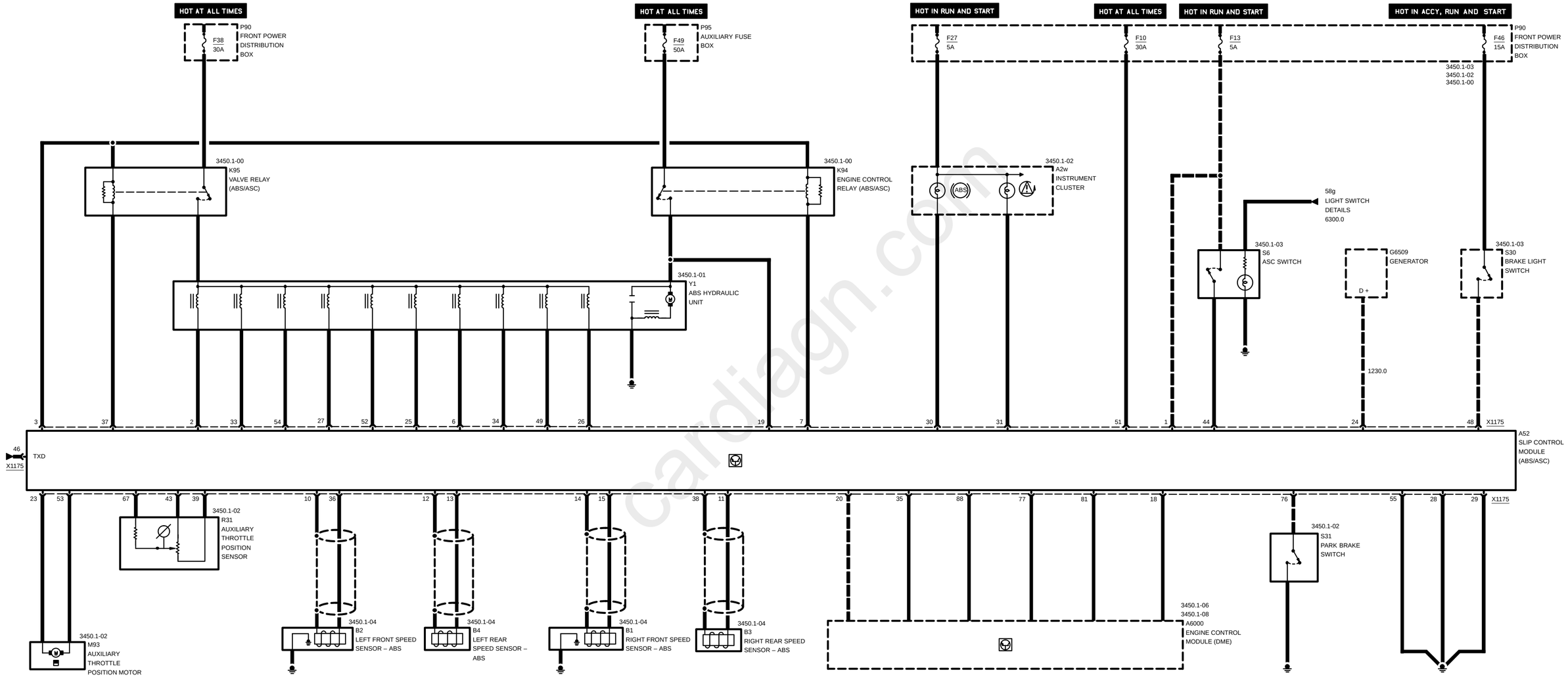
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SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



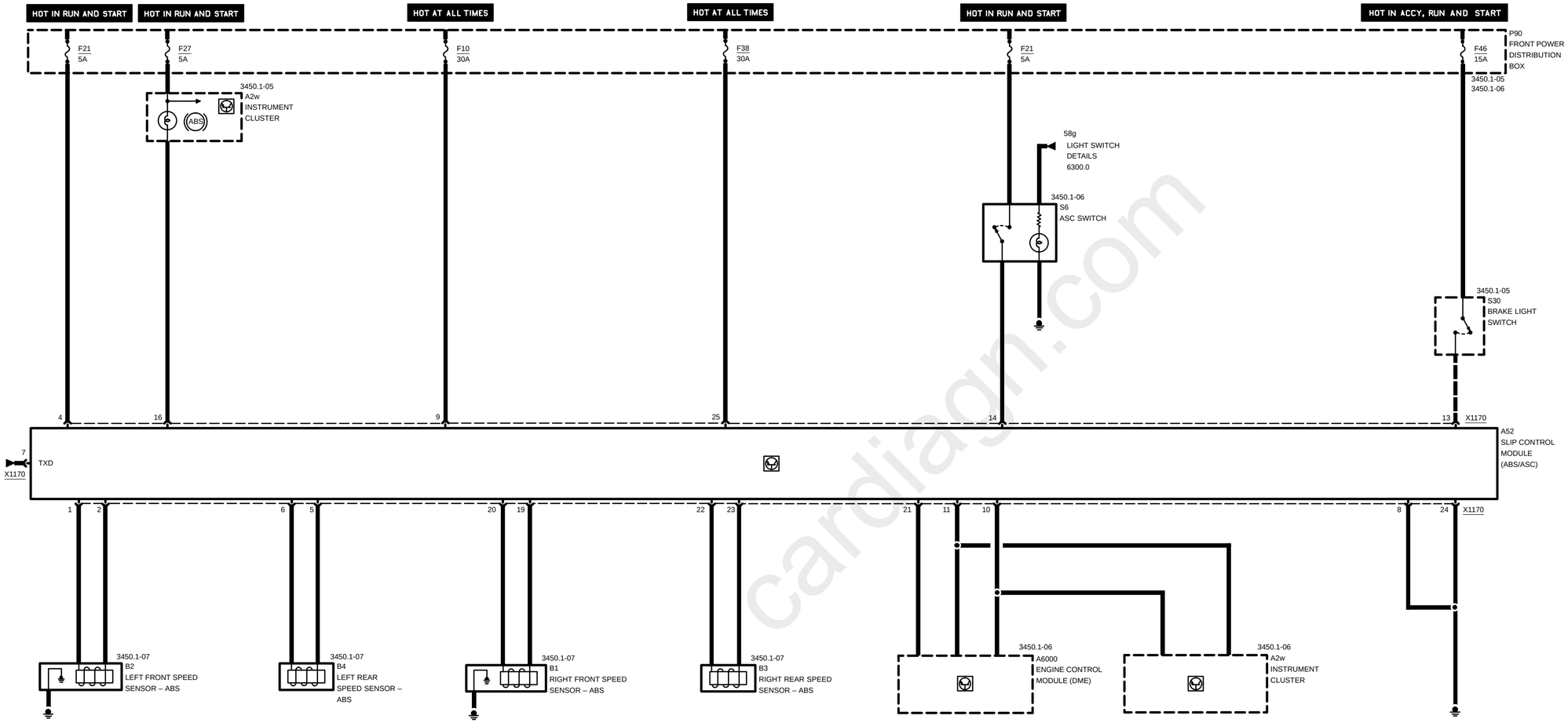
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M VERSIONS

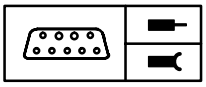


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Z3 VERSIONS



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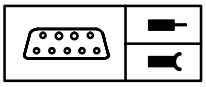
Pin Assignments

X1175

Pin	Type	Description/Function	Connection
51	E	Voltage supply	Fuse 13
52	A	Left front inlet valve	ABS hydraulic unit
53	A	Voltage supply	Valve – Engine control relay
54		Not used	
55		Not used	
56	A	Right rear inlet valve	ABS hydraulic unit
57	A	Activate relay	Engine control relay
58		Not used	
59		Not used	
60	M	Sensor ground	ABS speed sensor, left front
61	E	Speed signal	ABS speed sensor, right rear
62	M	Sensor ground	ABS speed sensor, left rear
63	E	Speed signal	ABS speed sensor, left rear
64	M	Sensor ground	ABS speed sensor, right front
65	E	Speed signal	ABS speed sensor, right front
66		Not used	
67		Not used	
68	E	Engine signal 1	Engine control module (DME)
69	E	Relay activation feedback	Engine control relay
70	E	Speed signal	Engine control module (DME)
71		Not used	
72		Not used	
73	A	ADS step motor (+)	ADS step motor
74	E	Charge indicator	Generator
75	A	Left rear outlet valve	ABS hydraulic unit
76	A	Shut-off valve (ASC)	ABS hydraulic unit
77	A	Right front outlet valve	ABS hydraulic unit
78	M	Ground	Ground point
79	M	Ground	Ground point
80	A	ABS lamp control	Instrument cluster

E = Input, A = Output, M = Ground

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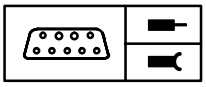


Pin Assignments

Pin	Type	Description/Function	Connection
81	A	ASC lamp control	Instrument cluster
82		Not used	
83	A	Left front outlet valve	ABS hydraulic unit
84	A	Right rear outlet valve	ABS hydraulic unit
85	A	Right rear speed signal	Engine control module (DME)
86	E	Speed signal	ABS speed sensor, left front
87	A	Activate relay	Valve relay
88	M	Sensor ground	ABS speed sensor, right rear
89	A	Throttle position sensor (–)	Auxiliary throttle position sensor
90		Not used	
91		Not used	
92		Not used	
93	A	Throttle position sensor (+)	Auxiliary throttle position sensor
94	E	ASC-ON-signal	ASC switch
95		Not used	
96	E/A	TXD signal	Diagnostic link
97		Not used	
98	E	Brake signal	Brake light switch
99	A	Changeover valve (ASC)	ABS hydraulic unit
100		Not used	
101	E	Voltage supply	Fuse 10
102	A	Left rear inlet valve	ABS hydraulic unit
103	A	ADS step motor (–)	ADS step motor
104	A	Right front inlet valve	ABS hydraulic unit
105	M	Ground	Ground point
106		Not used	
107		Not used	
108		Not used	
109		Not used	
110		Not used	
111		Not used	
112		Not used	

E = Input, A = Output, M = Ground

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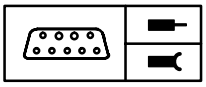


Pin Assignments

Pin	Type	Description/Function	Connection
113		Not used	
114		Not used	
115		Not used	
116		Not used	
117	E	ASC throttle flap signal	Auxiliary throttle position sensor
118		Not used	
119		Not used	
120		Not used	
121		Not used	
122		Not used	
123		Not used	
124		Not used	
125		Not used	
126	E	Signal park brake set	Park brake switch
127	E	Engine signal 3	Engine control module (DME)
128		Not used	
129		Not used	
130		Not used	
131	E	Engine signal 2	Engine control module (DME)
132		Not used	
133		Not used	
134		Not used	
135		Not used	
136		Not used	
137		Not used	
138	E	Throttle flap position	Engine control module (DME)

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E = Input, A = Output, M = Ground



Pin Assignments

X1170

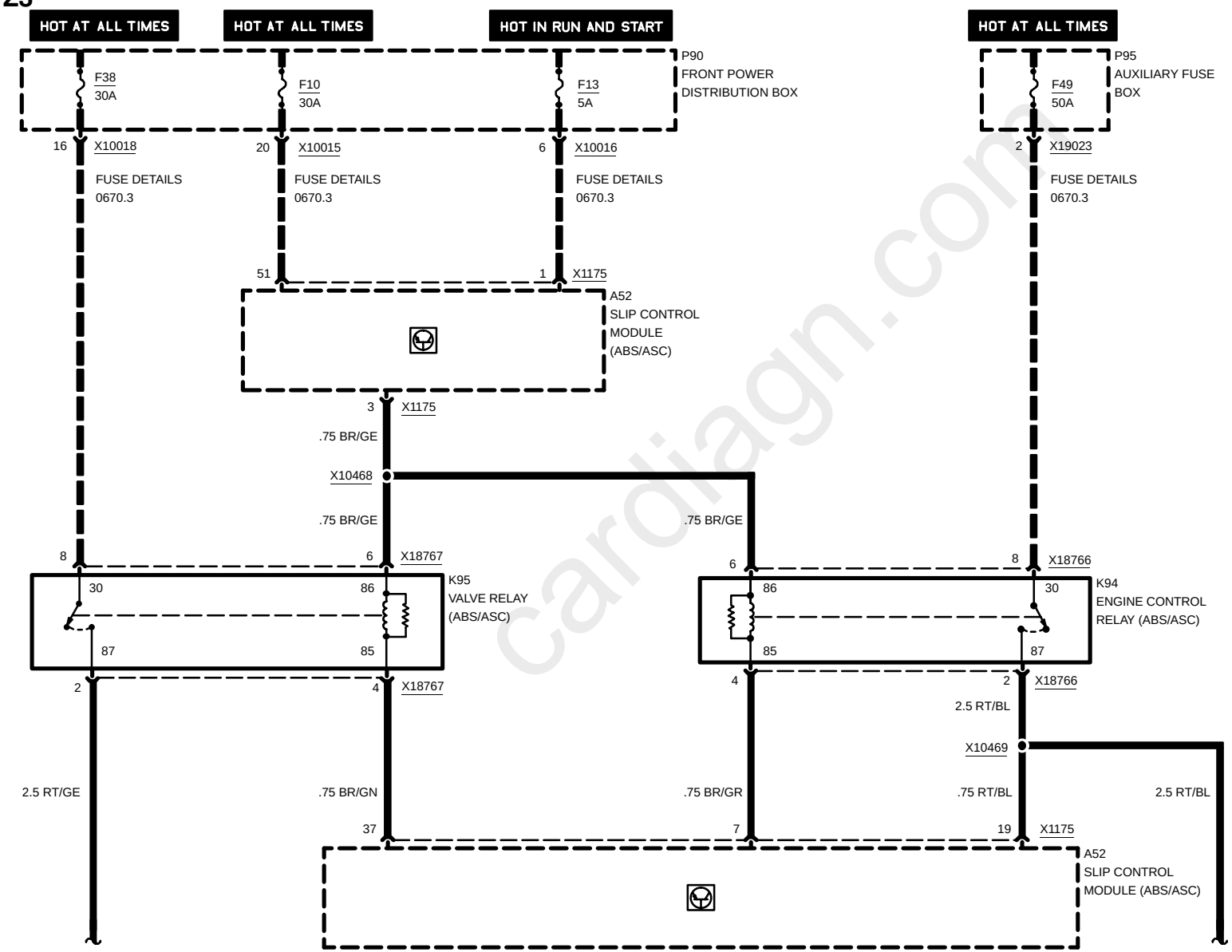
Pin	Type	Signal	Description/Function	Connection
1	M	VL–	Sensor ground	ABS speed sensor, left front
2	E	VL+	Speed signal	ABS speed sensor, left front
3			Not used	
4	E	15A21	Voltage supply	Fuse 21
5	M	HL–	Sensor ground	ABS speed sensor, left rear
6	E	HL+	Speed signal	ABS speed sensor, left rear
7	E/A	TXD	TXD signal	Diagnostic link
8	M	31L	Ground	Ground point
9	E	30<10	Voltage supply	Fuse 10
10	E/A	CAN–	CAN bus low	Instrument cluster/engine control module
11	E/A	CAN+	CAN bus high	Instrument cluster/engine control module
12			Not used	
13	E	54	Brake signal	Brake light switch
14	E	ASCS	ASC-ON-signal	ASC switch
15			Not used	
16	A	WLAS	Warning lamp	Instrument cluster
17			Not used	
18			Not used	
19	M	VR–	Sensor ground	ABS speed sensor, right front
20	E	VR+	Speed signal	ABS speed sensor, right front
21	A	DFAHR	Right rear speed signal	Engine control module (DME)
22	E	HR+	Speed signal	ABS speed sensor, right rear
23	M	HR–	Sensor ground	ABS speed sensor, right rear
24	M	31L	Ground	Ground point
25	E	30<38	Voltage supply	Fuse 38

E = Input, A = Output, M = Ground

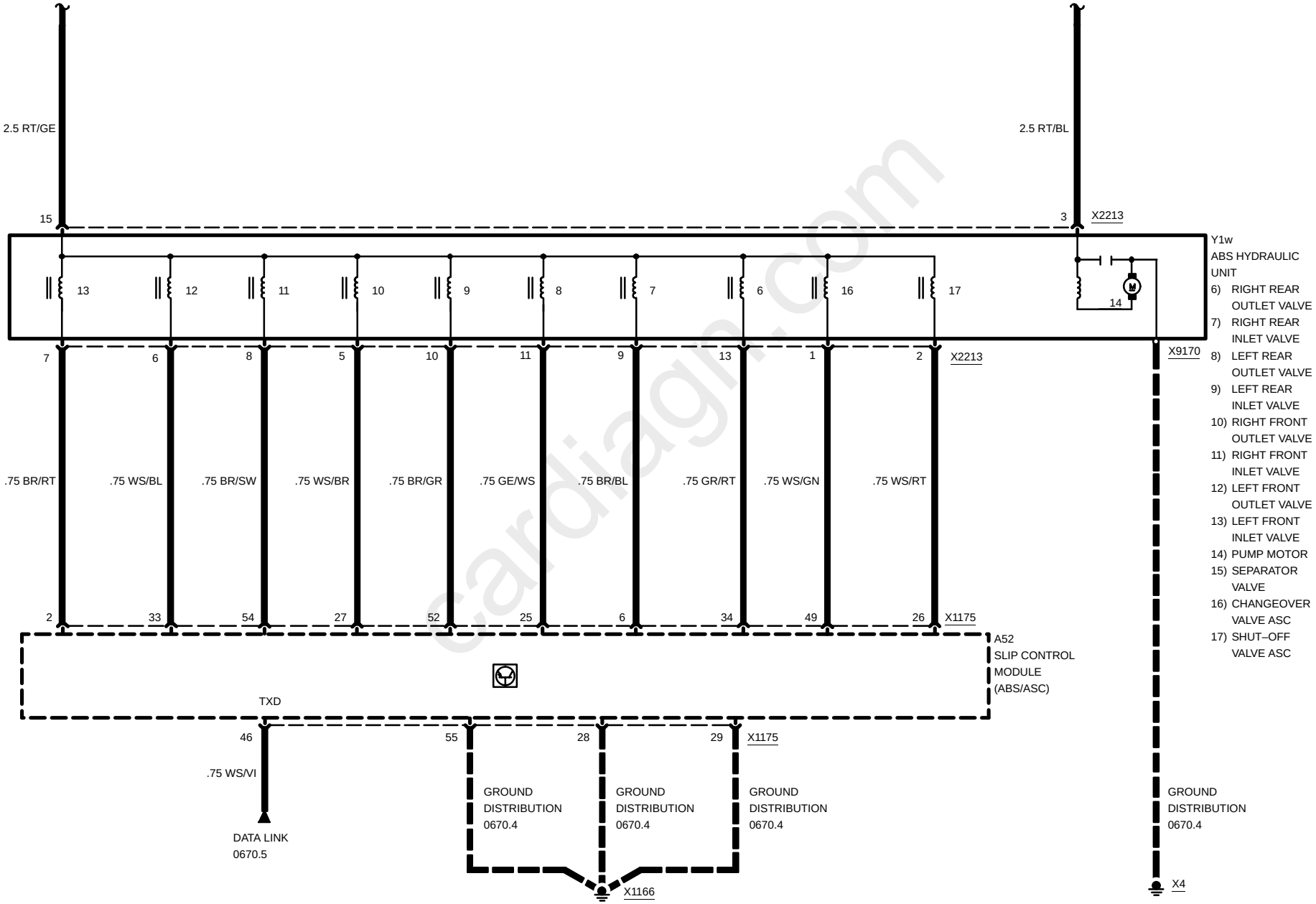
carmagn.com

SLIP CONTROL (ABS/ASC)

M VERSIONS



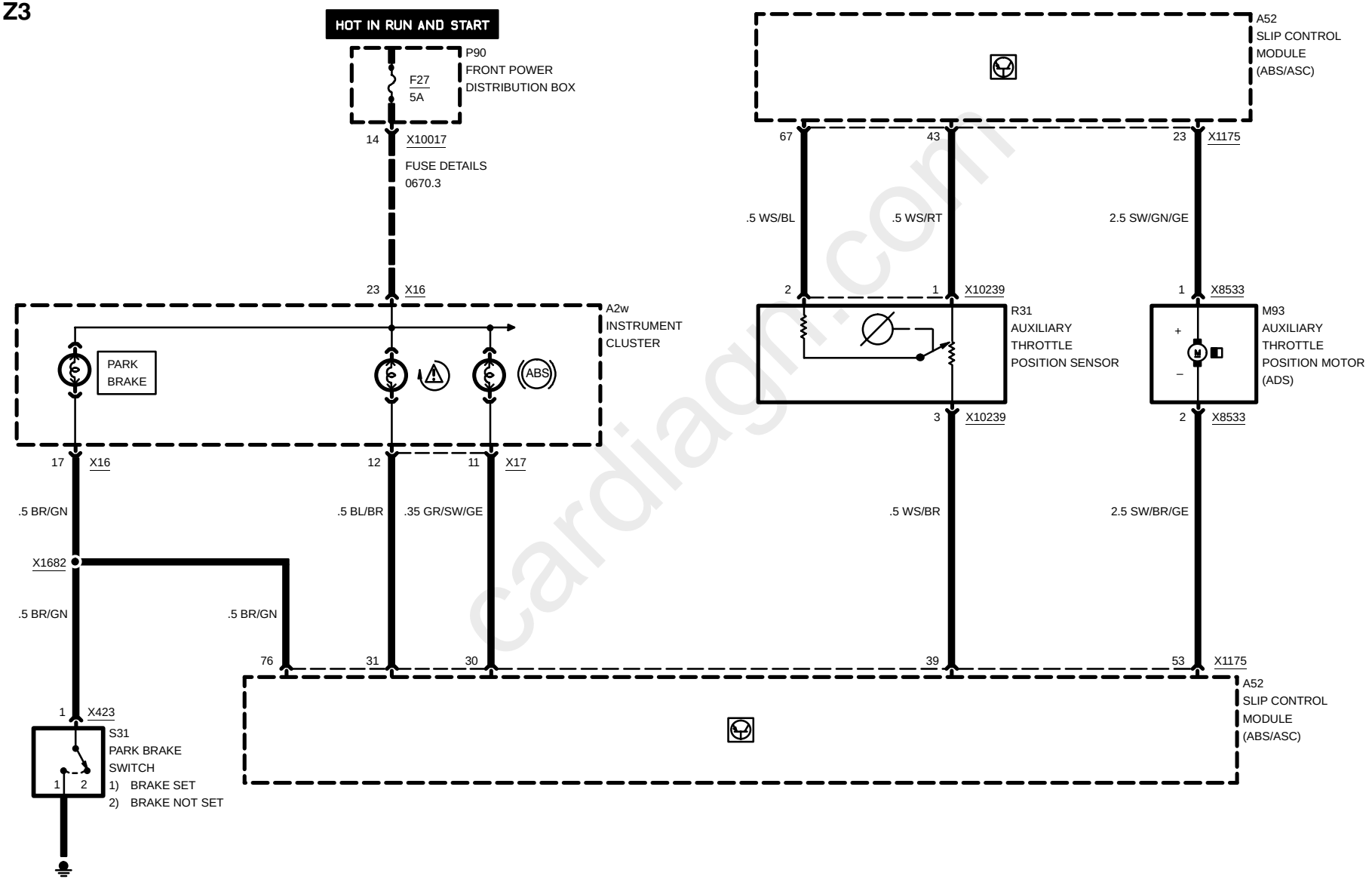
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SLIP CONTROL (ABS/ASC)

M VERSIONS

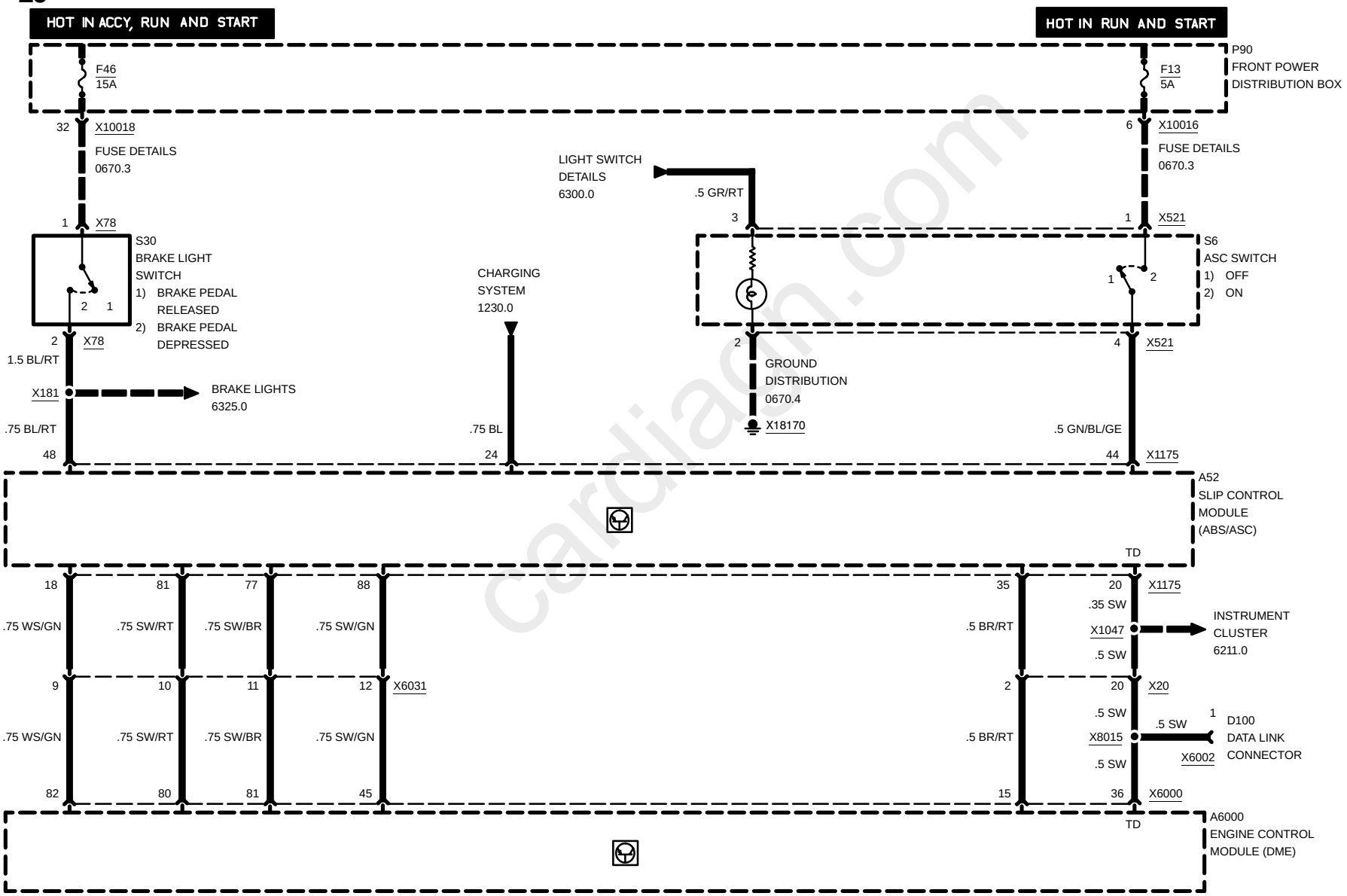


cardiagn.com

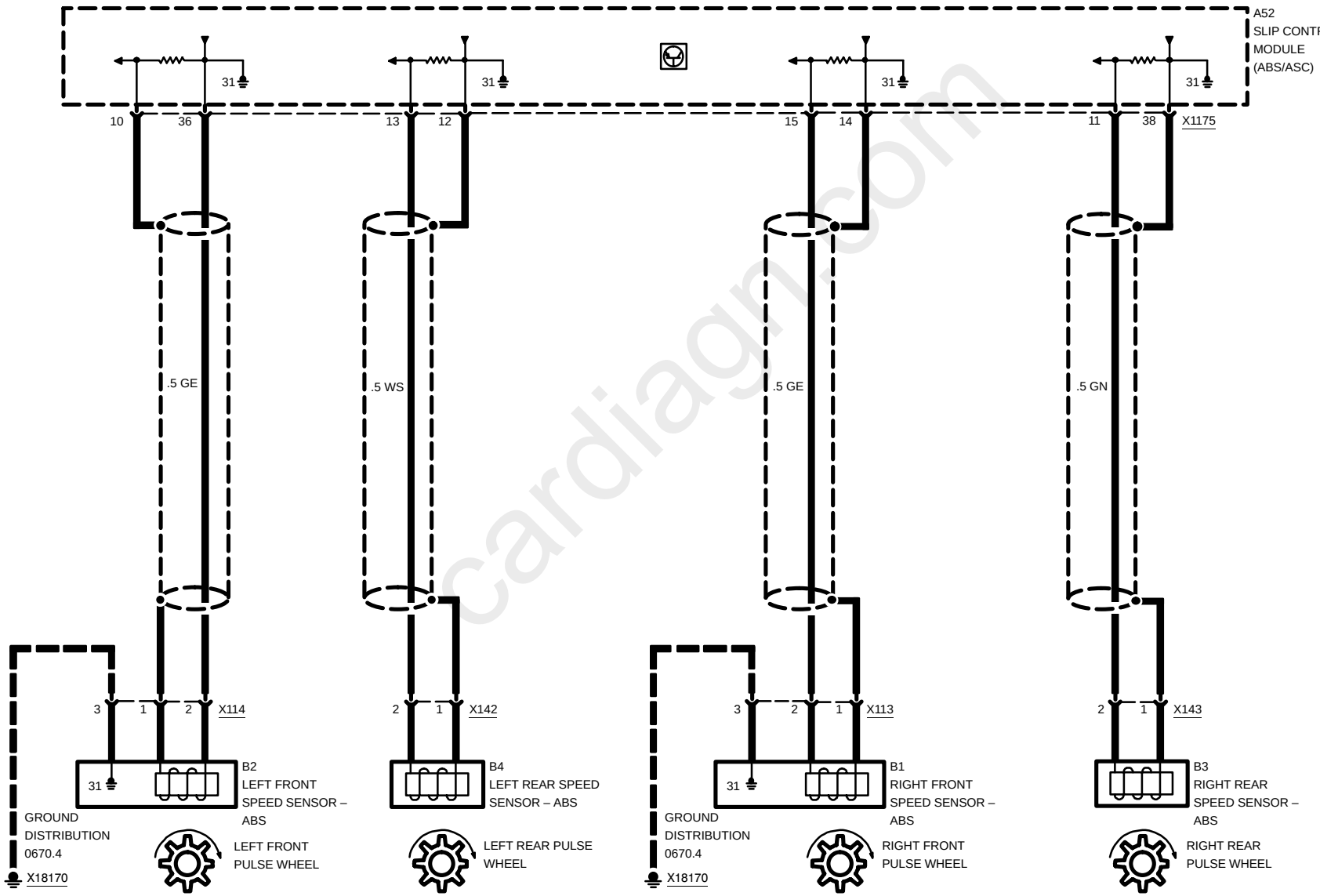
BMW 3 Z3

SLIP CONTROL (ABS/ASC)

M VERSIONS



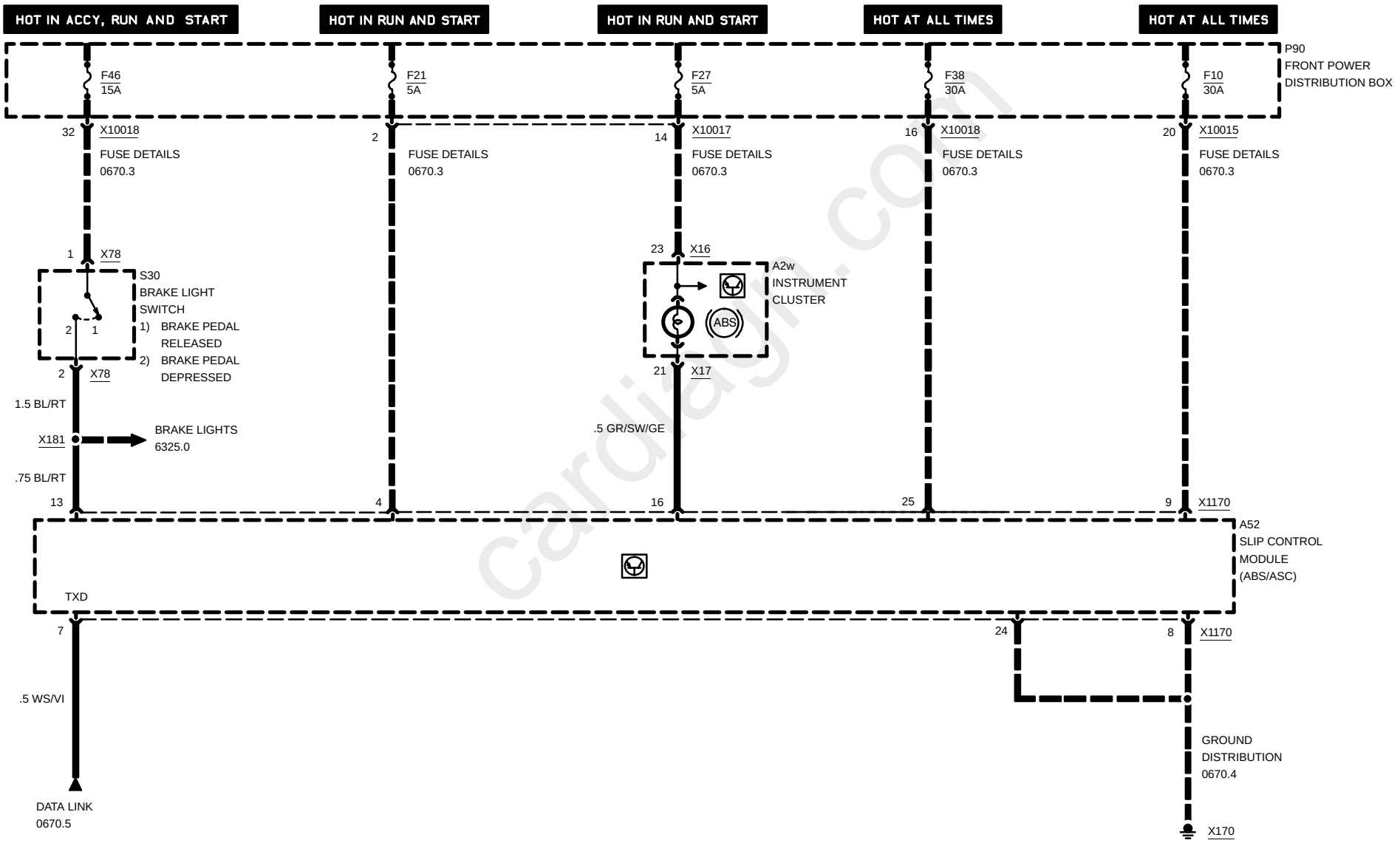
cardiagn.com



cardiagn.com

SLIP CONTROL (ABS/ASC)

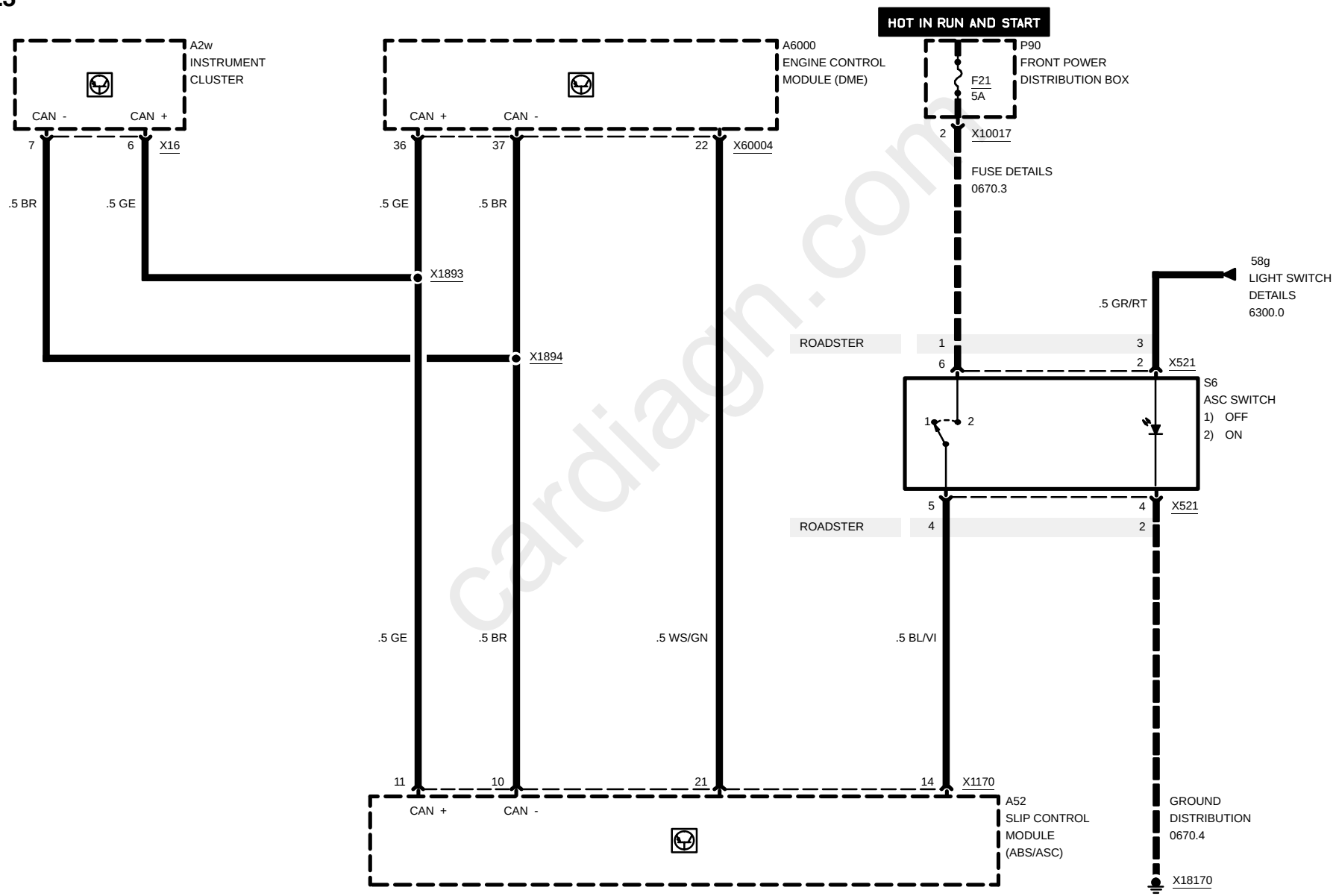
Z3 VERSIONS



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SLIP CONTROL (ABS/ASC)

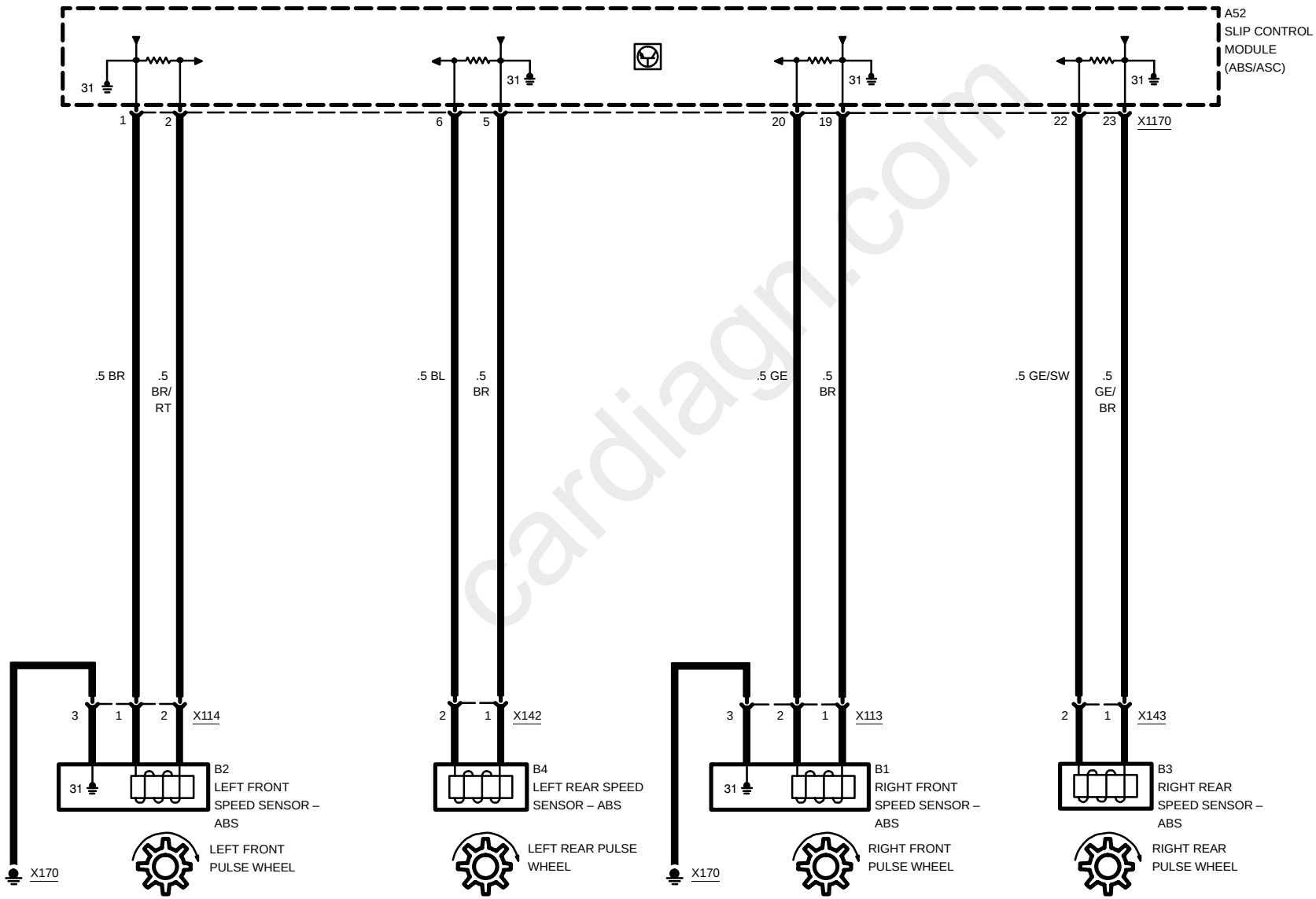
Z3 VERSIONS



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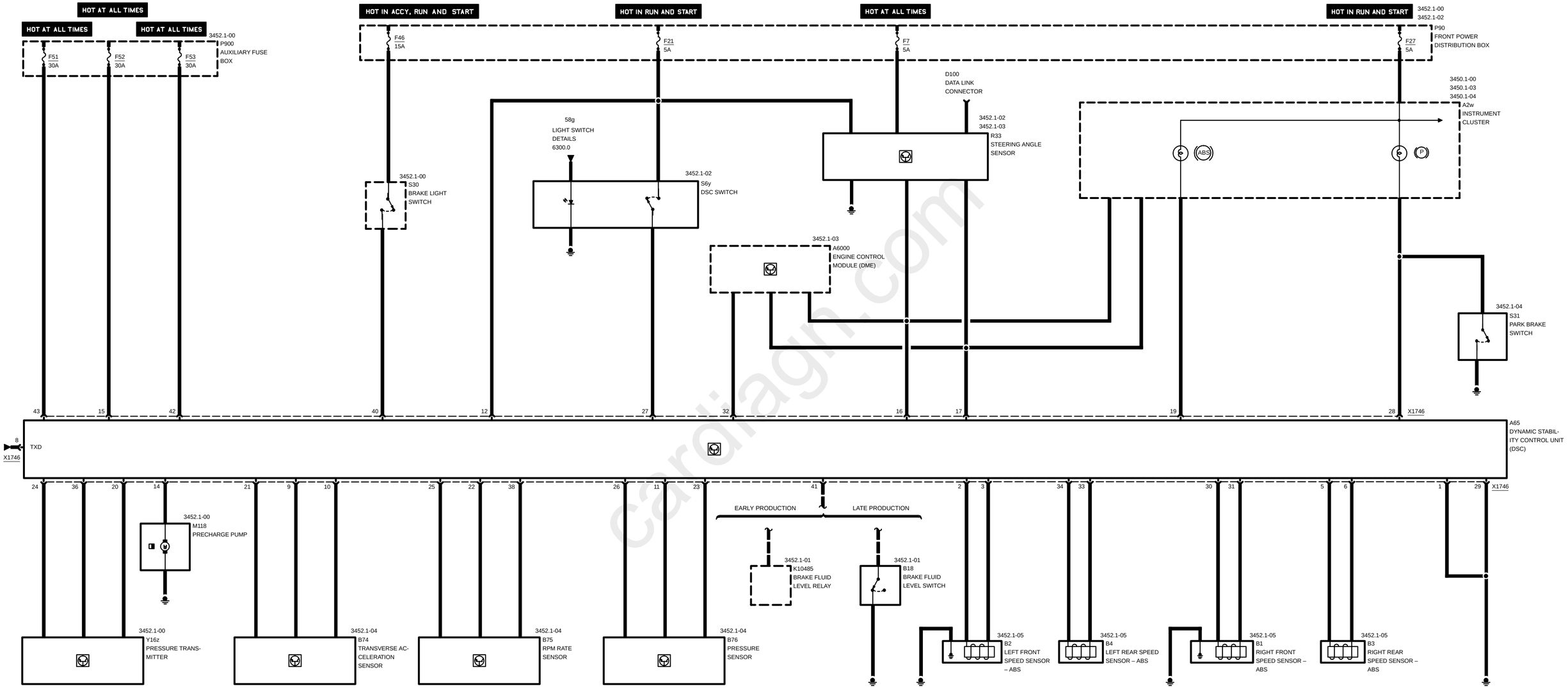
SLIP CONTROL (ABS/ASC)

Z3 VERSIONS

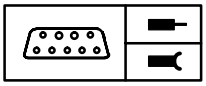


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3452.1 DYNAMIC STABILITY CONTROL (DSC III)



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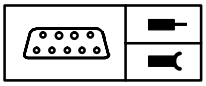
Pin Assignments

X1746

Pin	Type	Signal	Description/Function	Connection
1	M	GND	Ground	Ground point
2	M	FL0	Sensor ground	Left front speed sensor (ABS)
3	E	FL1	Speed signal	Left front speed sensor (ABS)
4			Not used	
5	M	RR0	Sensor ground	Right rear speed sensor (ABS)
6	E	RR1	Speed signal	Right rear speed sensor (ABS)
7			Not used	
8	E/A	DIAG_K	TxD signal	Data link connector
9	E	A_LAT	Transverse acceleration sensor signal	Transverse acceleration sensor
10	M	GND_LAT	Ground	Transverse acceleration sensor
11	A	P_DRIV1	Voltage supply	Pressure sensor
12	E	15A21	Terminal 15	Fuse 21
13			Not used	
14	A	VLP+	Activate precharge pump	Precharge pump
15	E	30A52	Terminal 30	Fuse 52
16	E/A	CAN_L	CAN-bus Low	Splice, CAN-bus Low
17	E/A	CAN_H	CAN-bus High	Splice, CAN-bus High
18			Not used	
19	A	WLAS	Warning lamp	Instrument cluster
20	A	SENS_DRI	Pressure transmitter signal	Pressure transmitter
21	A	SENSP_LA	Voltage supply	Transverse acceleration sensor
22	A	SENSP_YA	Voltage supply	RPM rate sensor
23	E	SENS_DRI	Pressure sensor signal	Pressure sensor
24	M	GND_DRIV	Ground	Pressure sensor
25	M	GND_YAW	Ground	RPM rate sensor
26	M	GND_DRIV	Ground	Pressure sensor
27	E	TCS	DSC-ON-signal	DSC switch
28	E	PBRS	Handbrake signal	Handbrake switch
29	M	GND	Ground	Ground point
30	E	FR1	Speed signal	Right front speed sensor (ABS)
31	M	FR0	Ground	Right front speed sensor (ABS)
32	A	DFAHR	Wheel speed signal, right rear	Engine control module (DME)

E = Input, A = Output, M = Ground

carDiagn.com



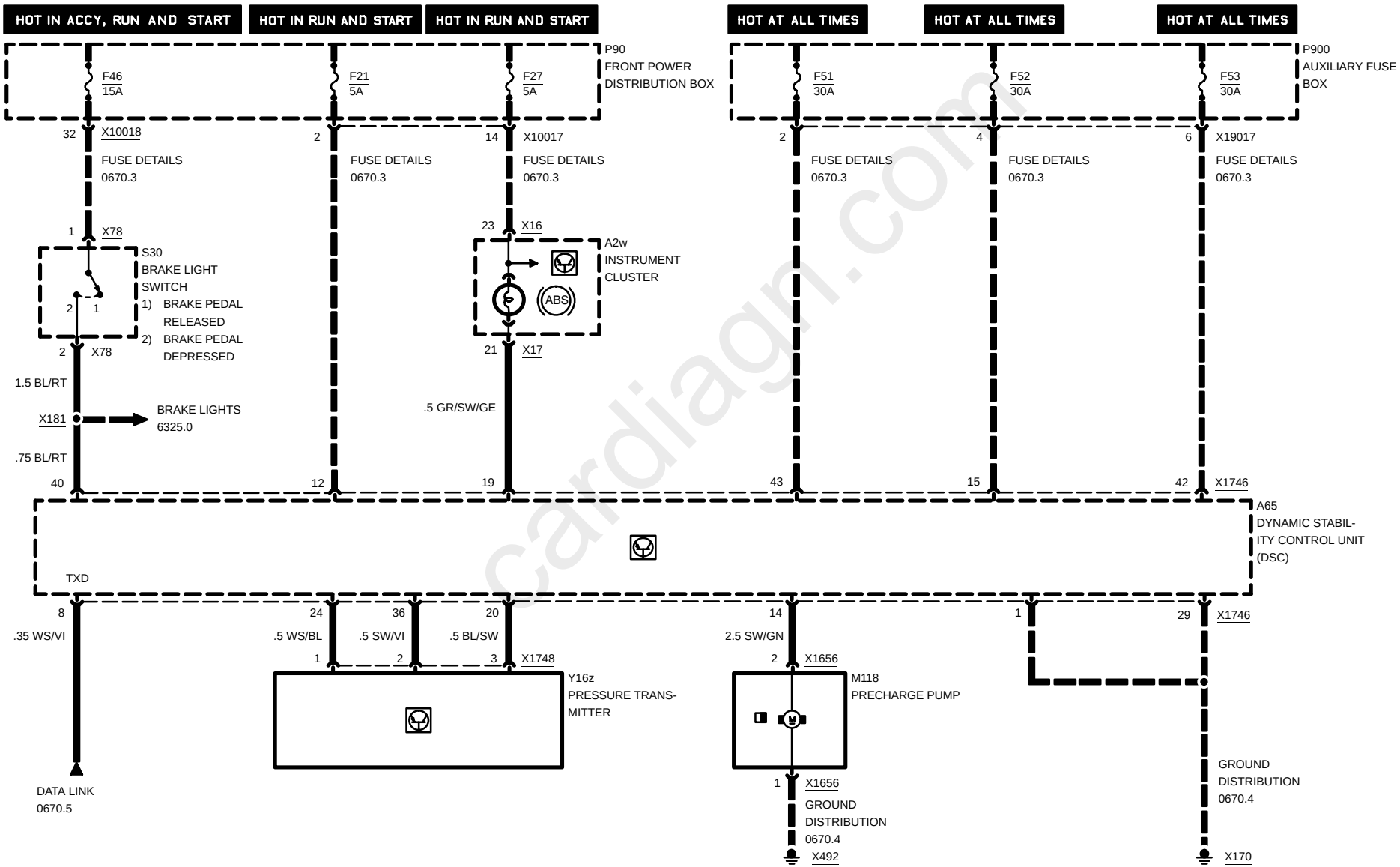
Pin Assignments

Pin	Type	Signal	Description/Function	Connection
33	E	RL1	Speed signal	Left rear speed sensor (ABS)
34	M	RL0	Ground	Left rear speed sensor (ABS)
35			Not used	
36	A	P_DRIV2	Voltage supply	Pressure sensor
37			Not used	
38	E	YAW_SIG	RPM rate signal	RPM rate sensor
39			Not used	
40	E	BLS	Brake signal	Brake light switch
41	E	BRFN	Brake fluid level signal	Brake fluid level switch
42	E	30A53	Terminal 30	Fuse 53
43	E	30A51	Terminal 30	Fuse 51

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E = Input, A = Output, M = Ground

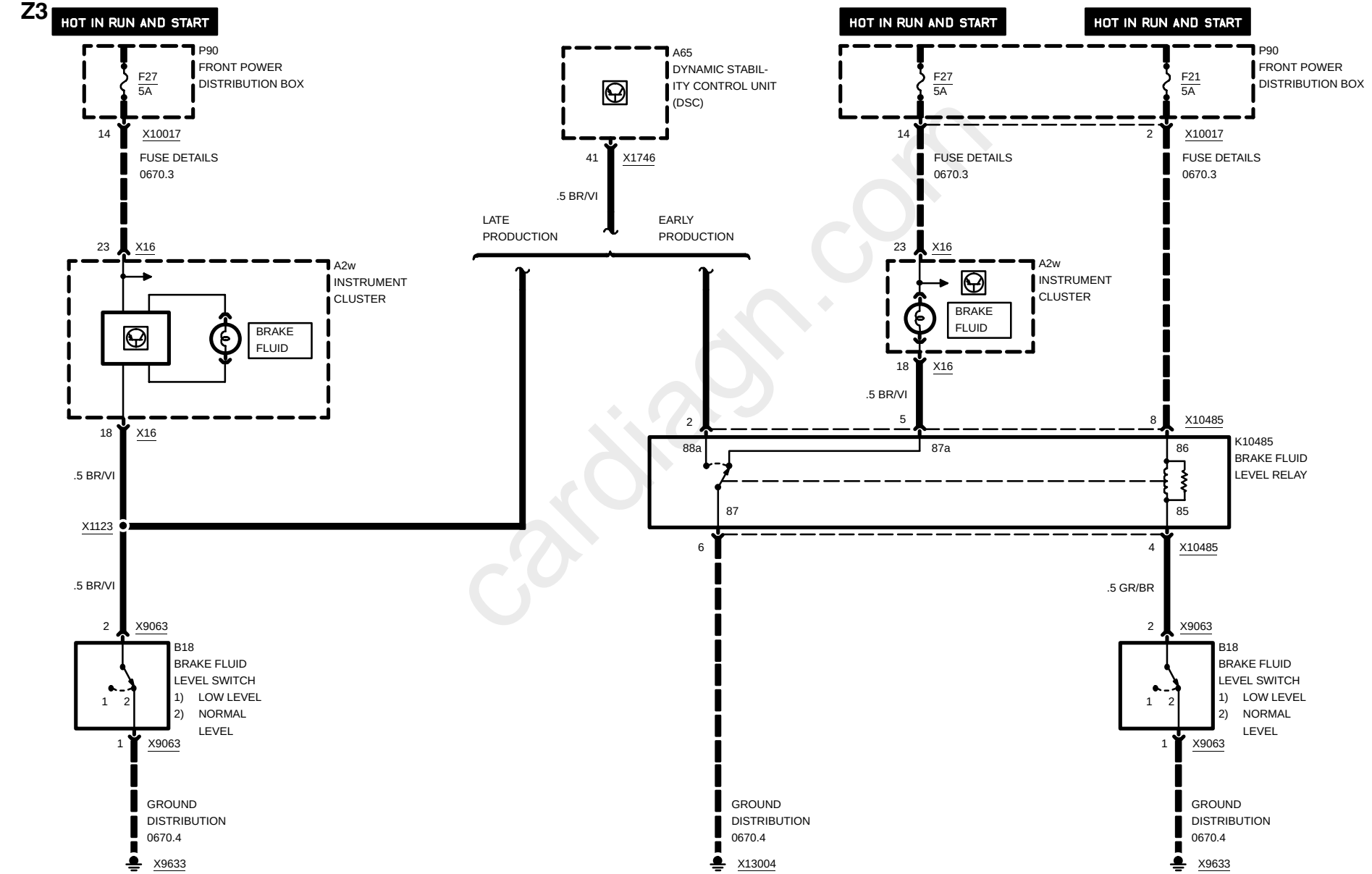
DYNAMIC STABILITY CONTROL (DSC III)



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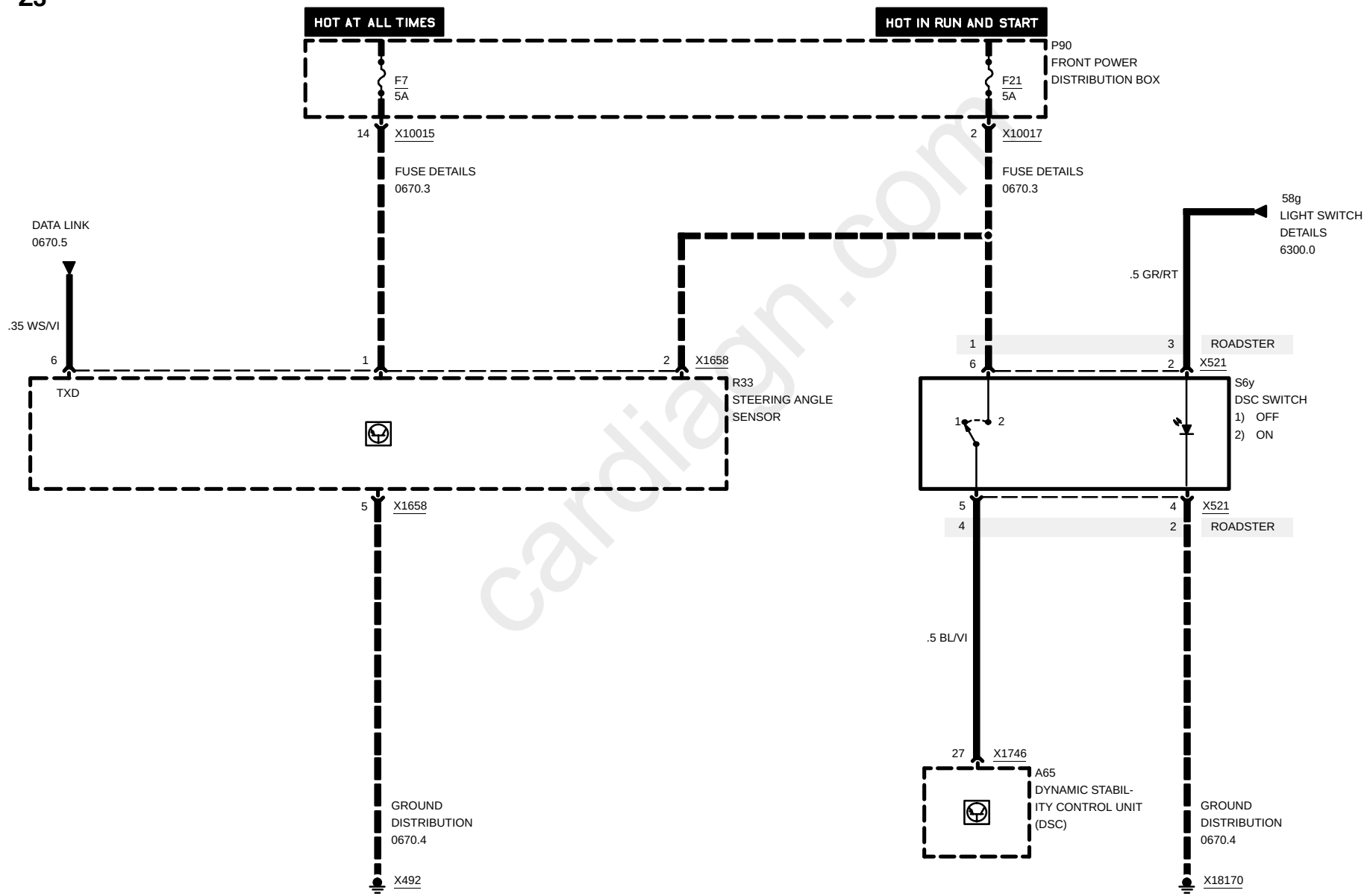
DYNAMIC STABILITY CONTROL (DSC III)

BMW 3 Z3



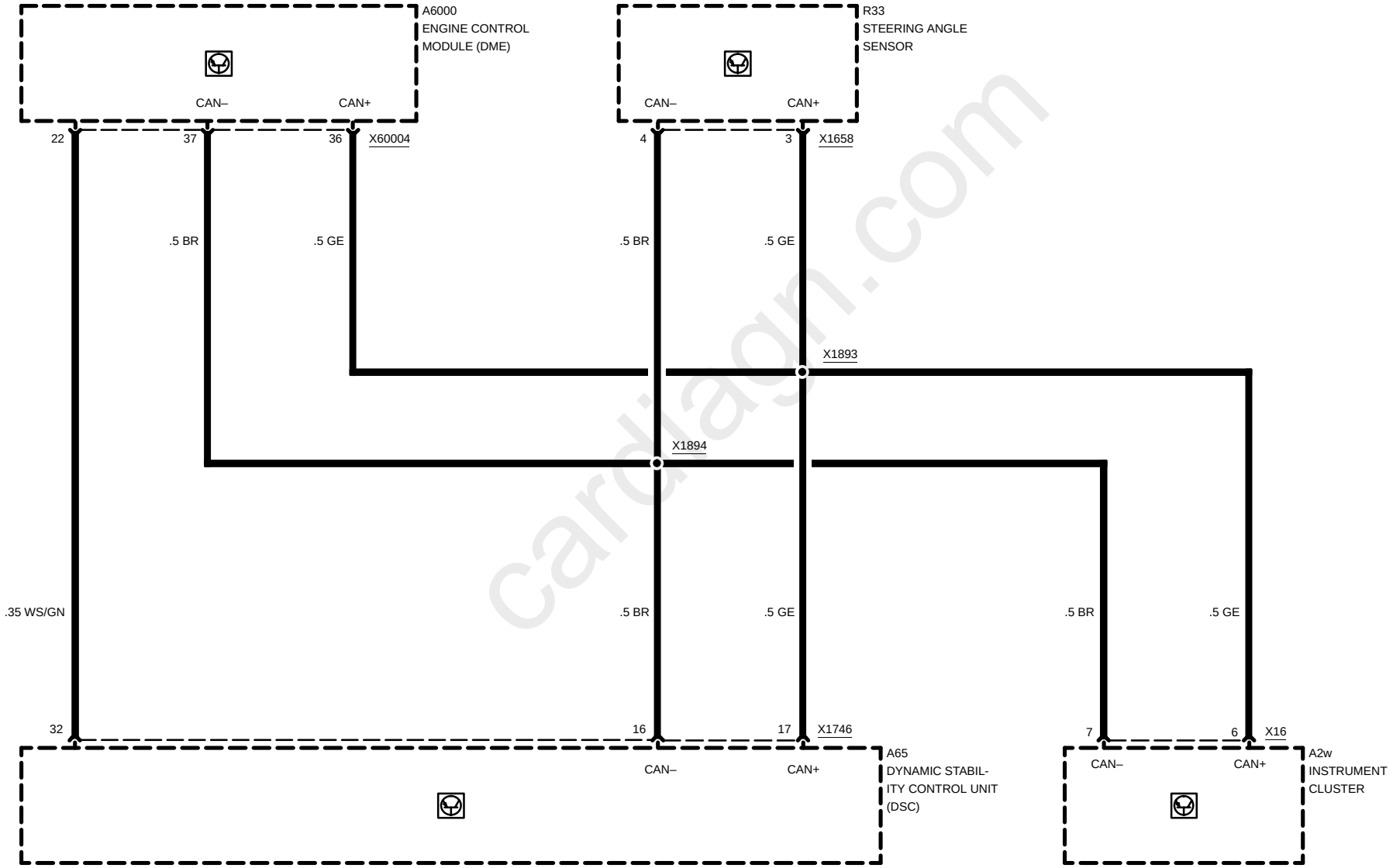
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DYNAMIC STABILITY CONTROL (DSC III)



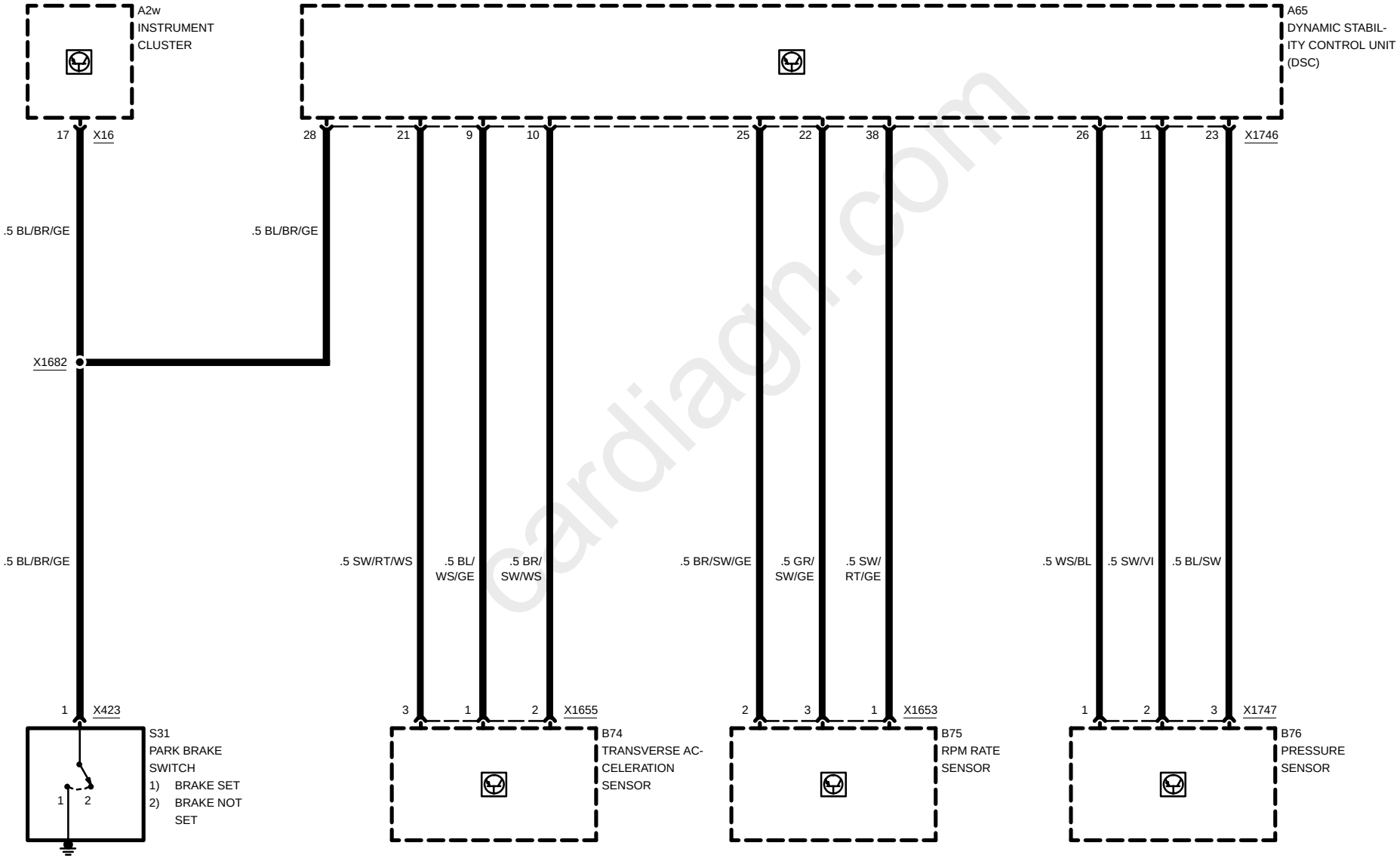
cardiagn.com

DYNAMIC STABILITY CONTROL (DSC III)



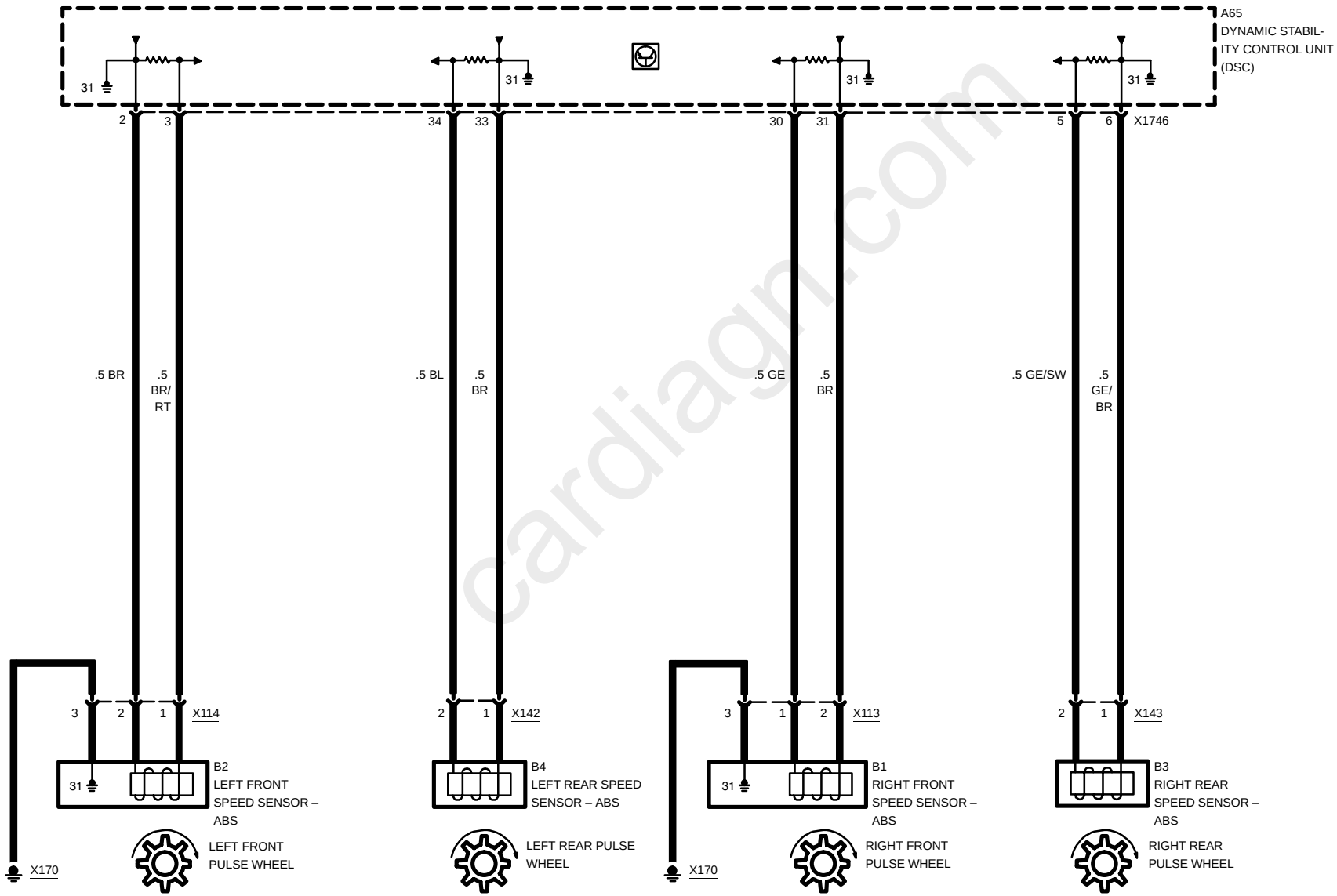
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DYNAMIC STABILITY CONTROL (DSC III)



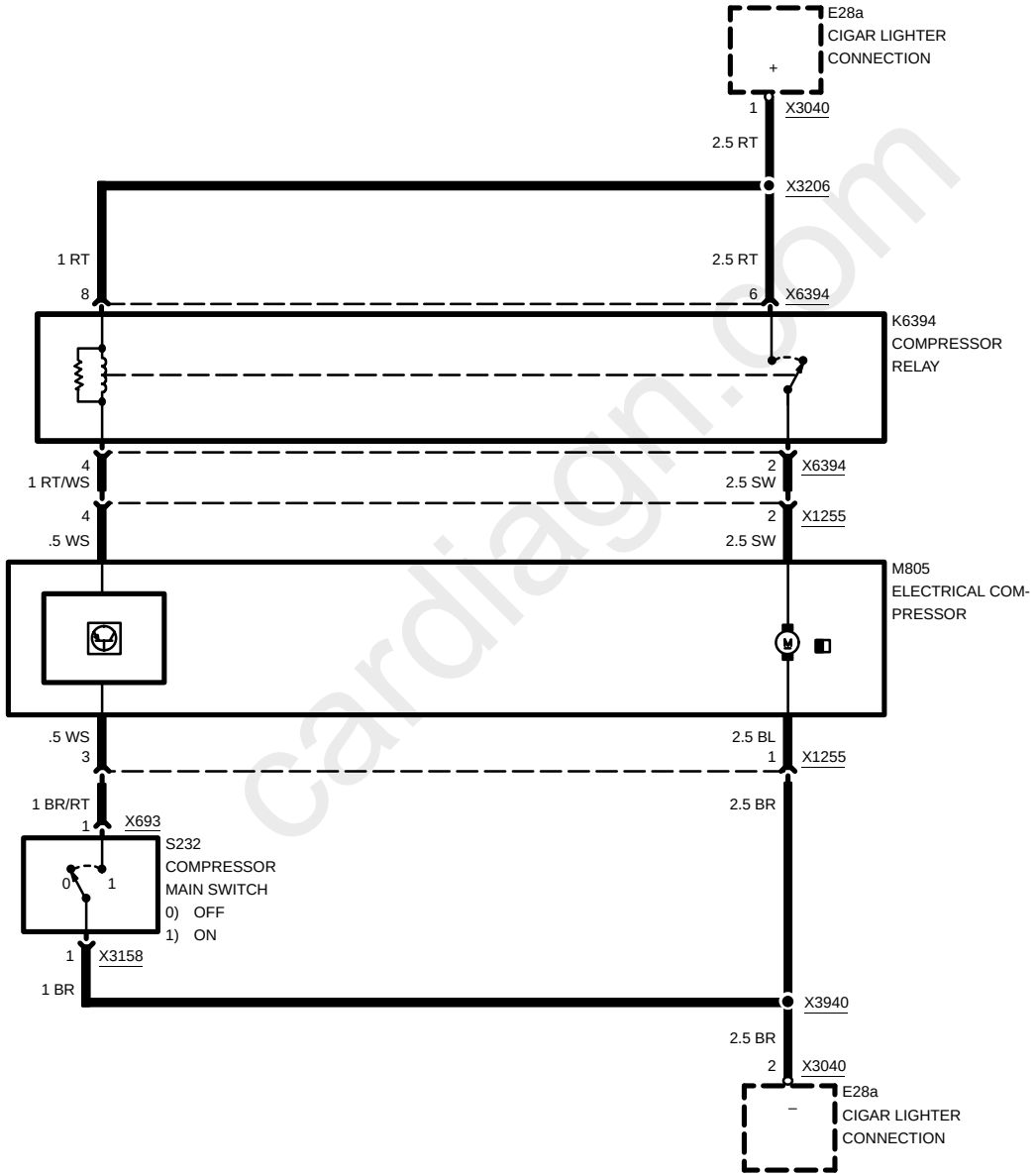
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DYNAMIC STABILITY CONTROL (DSC III)



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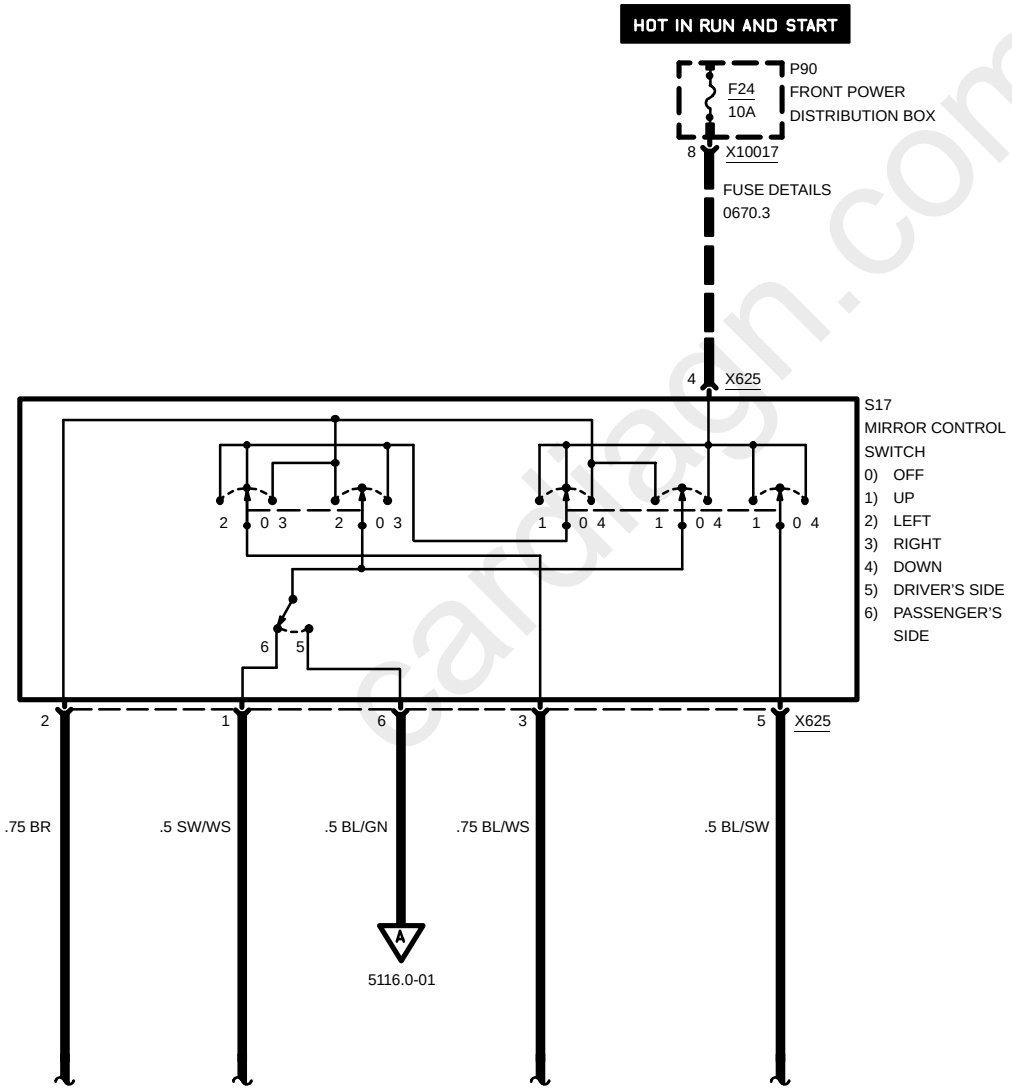
3614.0 TIRE INFLATION SYSTEM



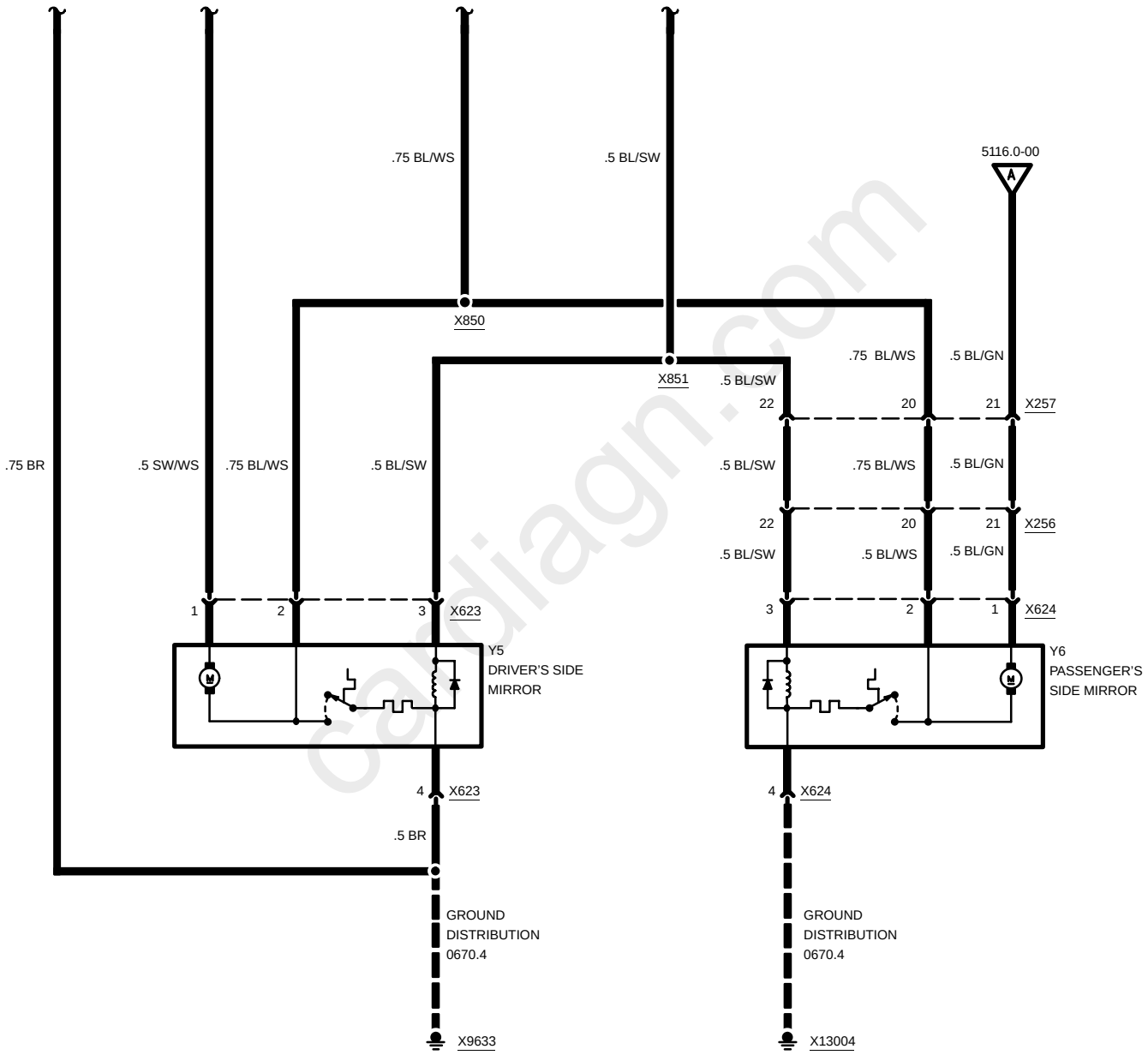
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5116.0 POWER MIRRORS

OUTSIDE MIRROR



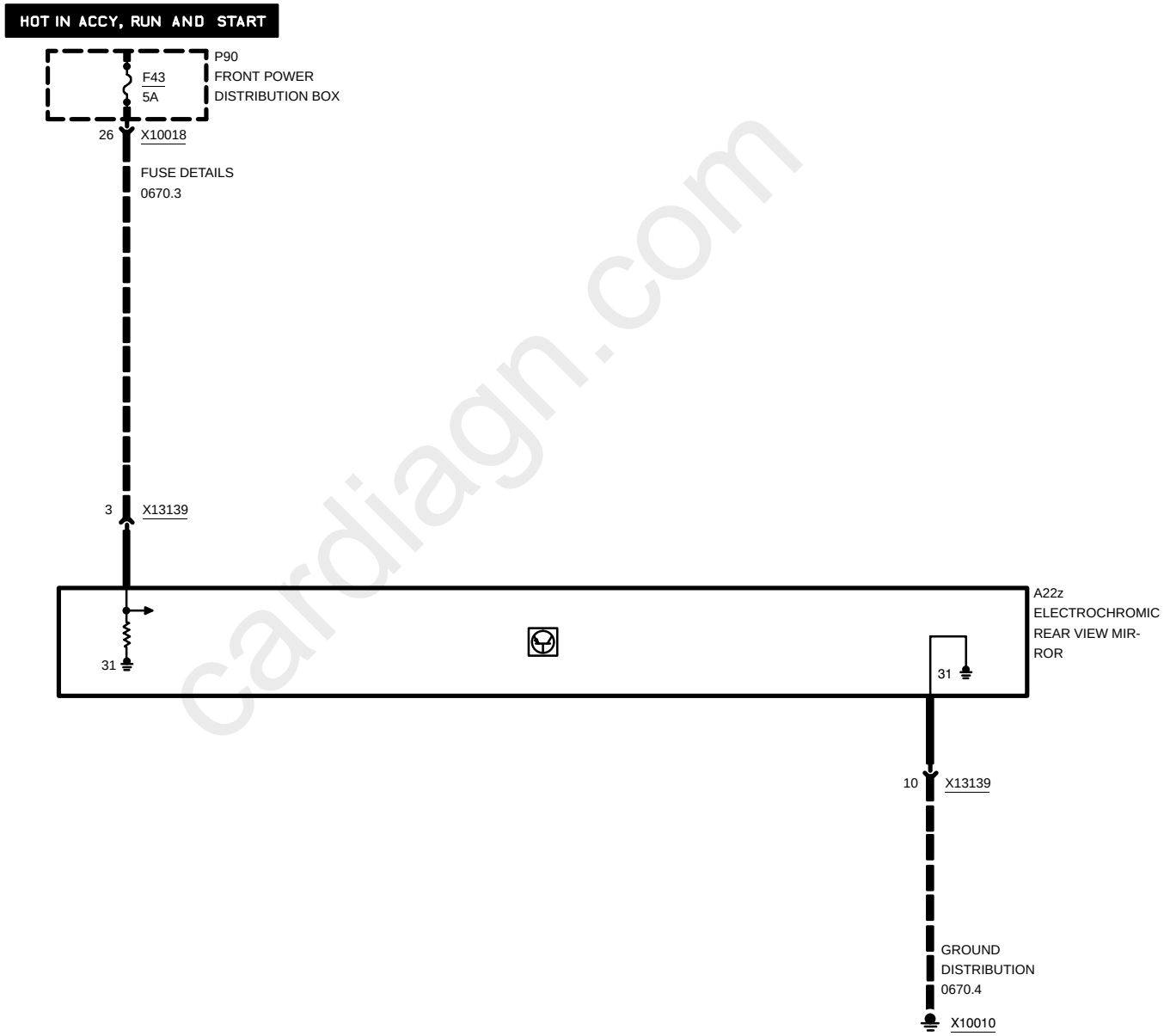
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POWER MIRRORS

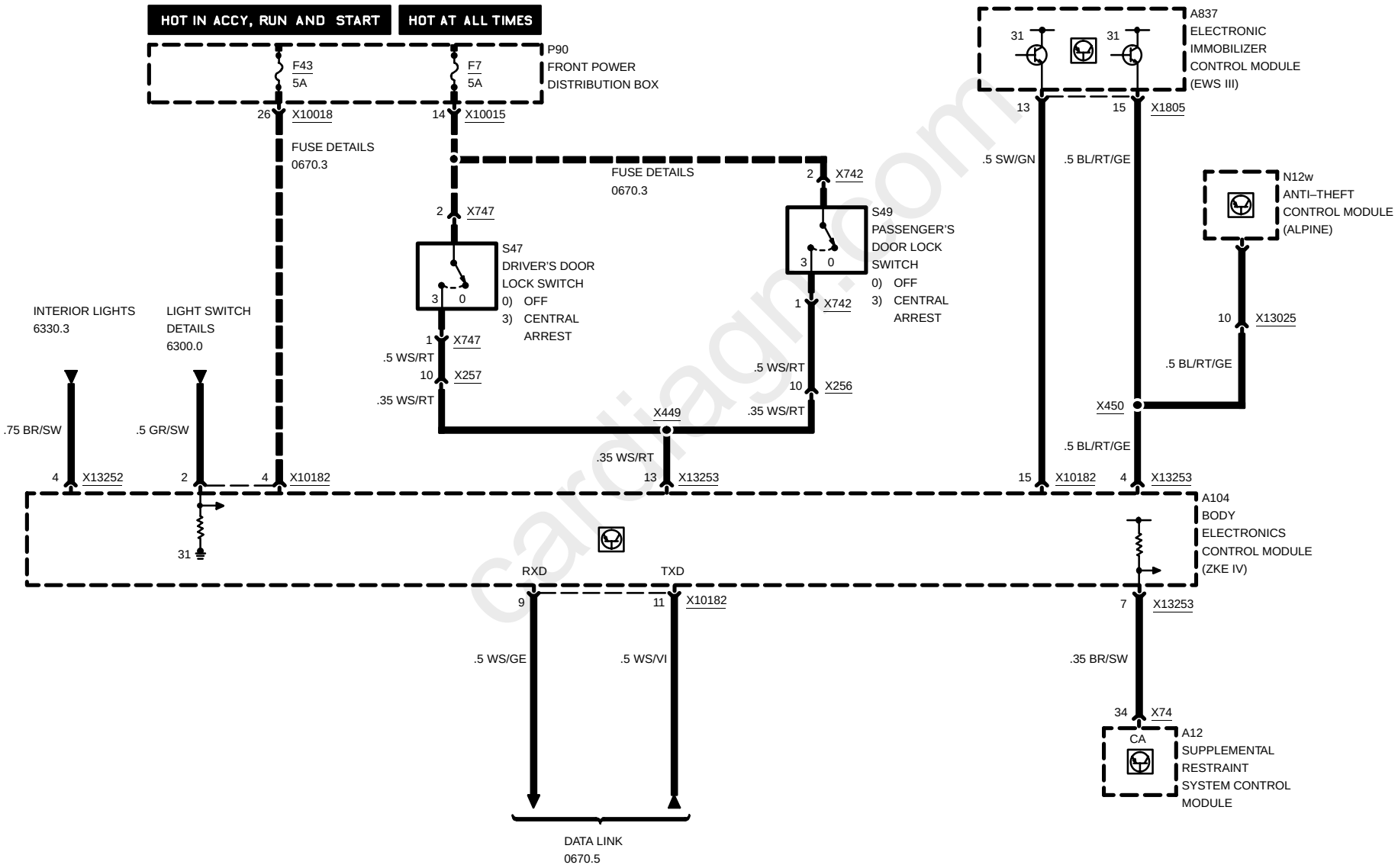
ELECTROCHROME REAR VIEW MIRROR



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5126.0 ZKE CENTRAL LOCKING (ZV)

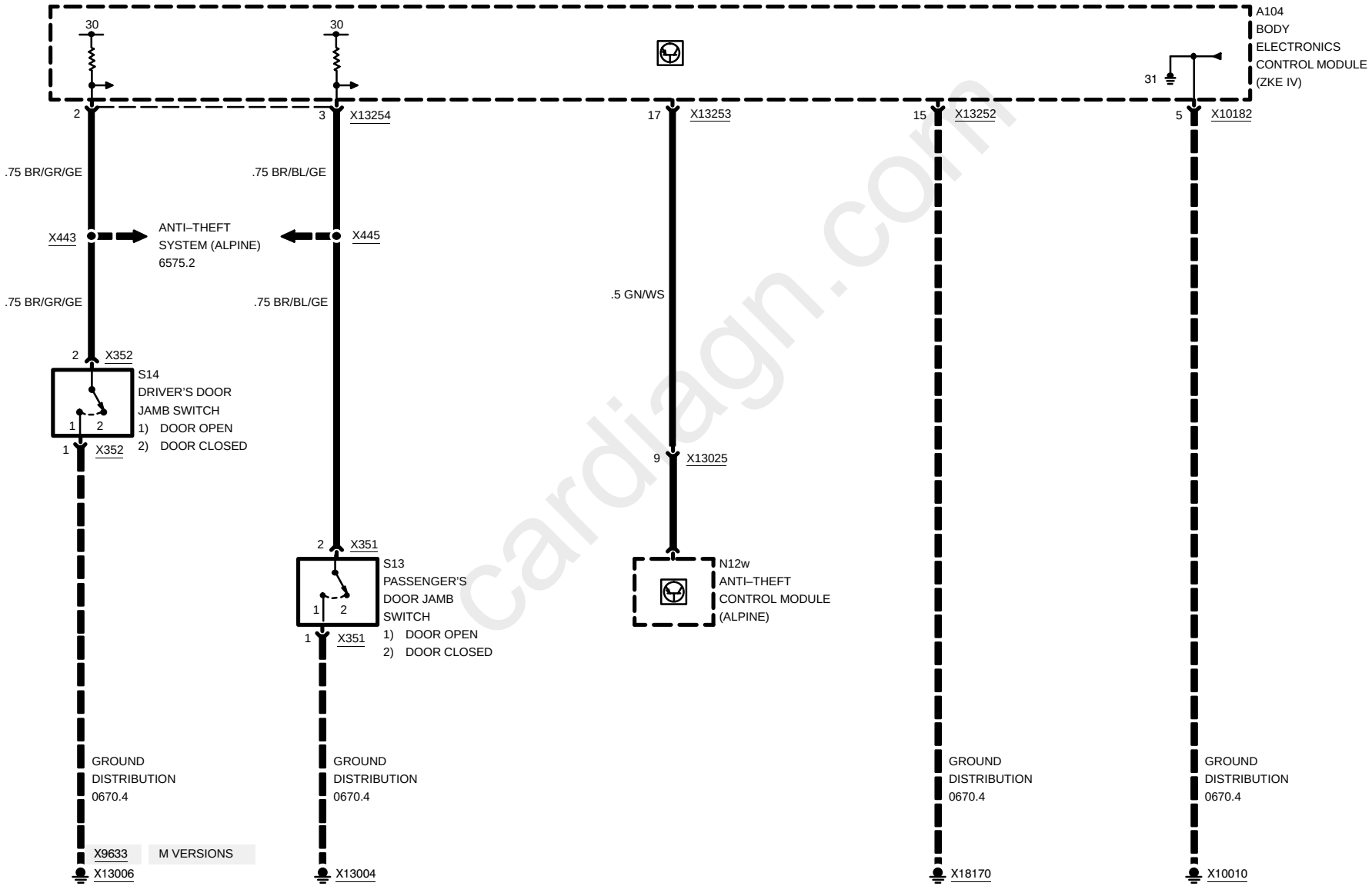
INPUTS, DRIVE–AWAY PROTECTION



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ZKE CENTRAL LOCKING (ZV)

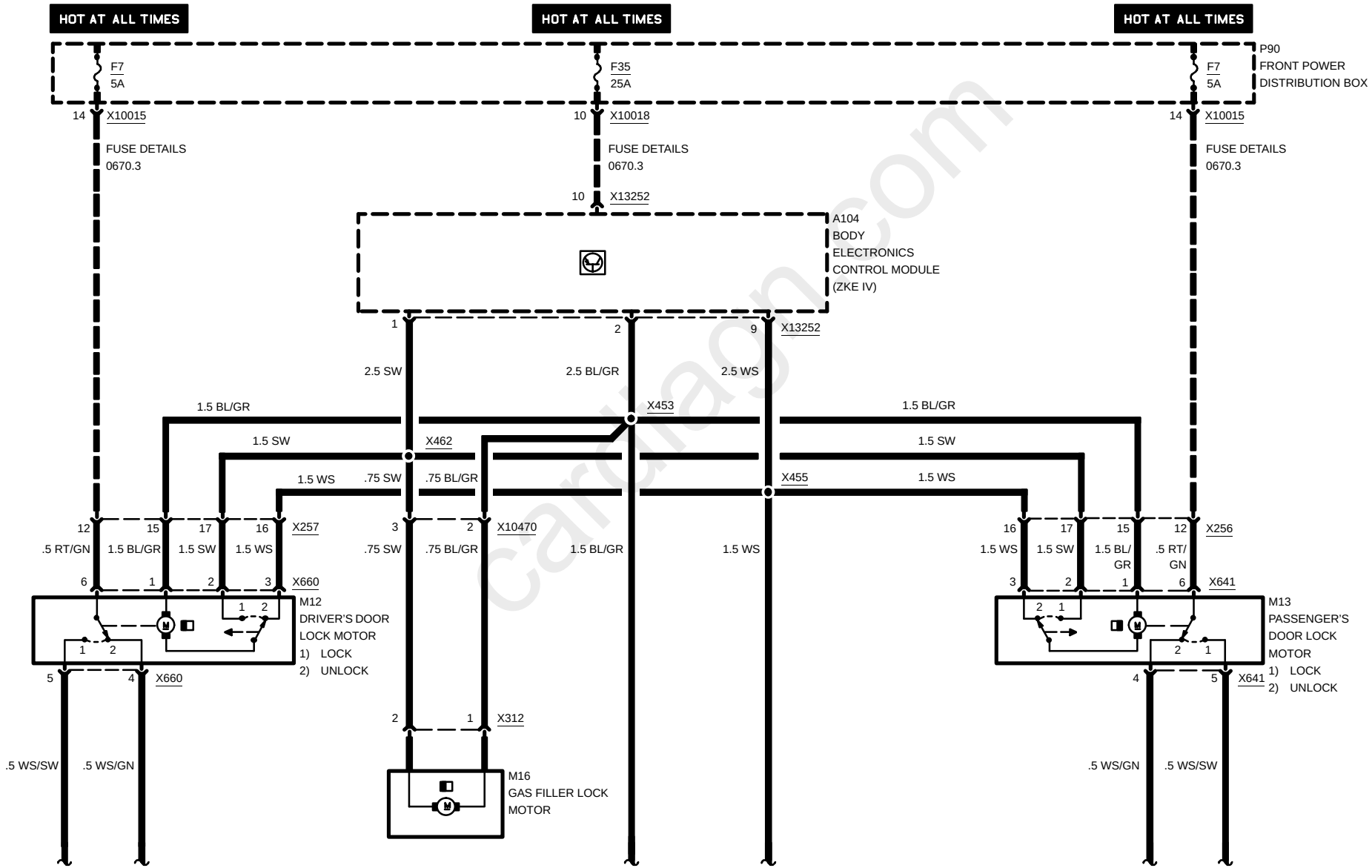
INPUT DETAILS



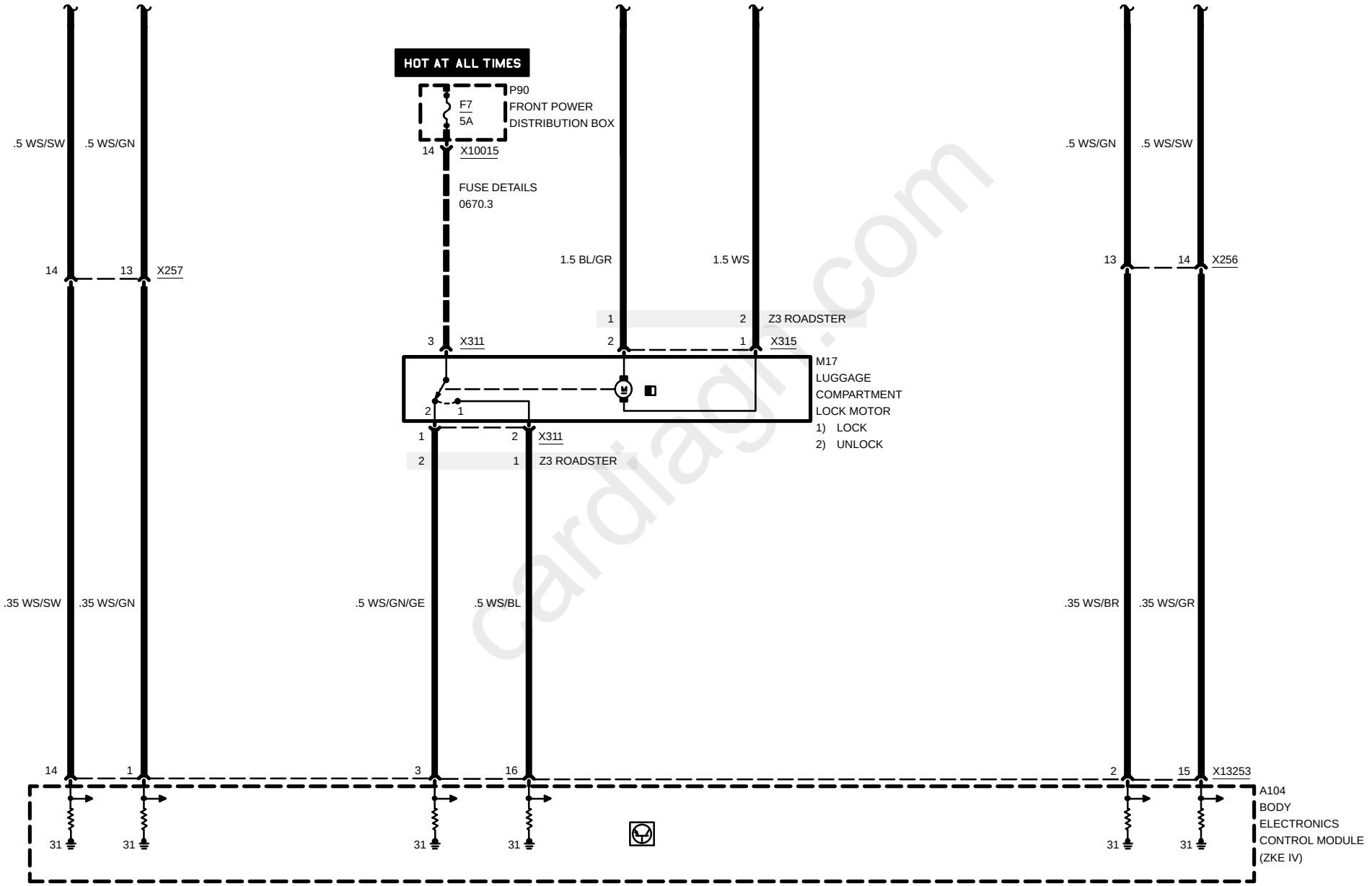
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ZKE CENTRAL LOCKING (ZV)

OUTPUT DETAILS



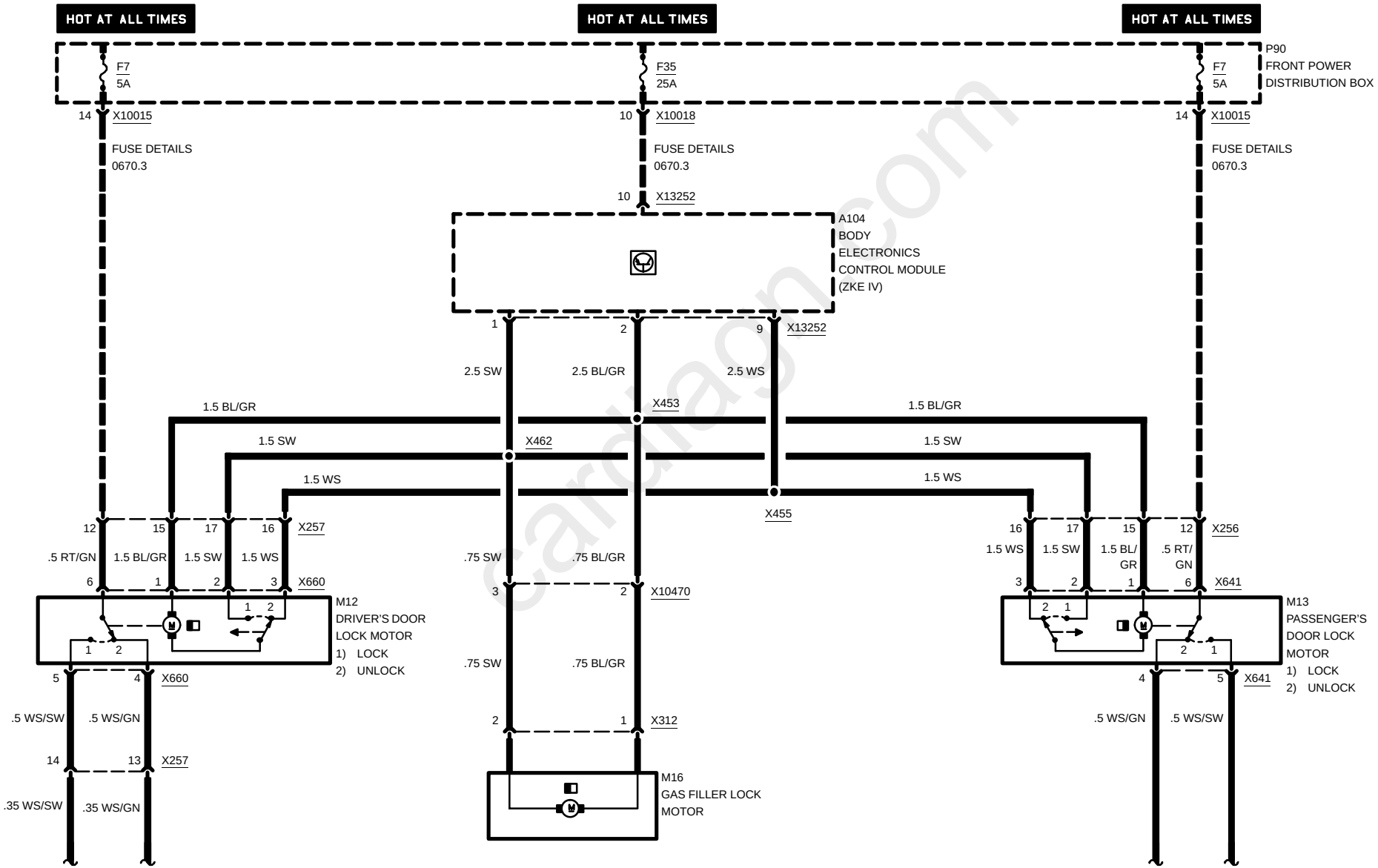
cardiagn.com


HOT AT ALL TIMES
P90
F7
5A
FRONT POWER
DISTRIBUTION BOX
14 X10015
FUSE DETAILS
0670.3
.5 WS/SW .5 WS/GN
14 13 X257
1.5 BL/GR 1.5 WS
1 2 Z3 ROADSTER
3 X311 2 1 X315
M17
LUGGAGE
COMPARTMENT
LOCK MOTOR
1) LOCK
2) UNLOCK
2 1
1 2 X311
2 1 Z3 ROADSTER
.5 WS/GN .5 WS/SW
13 14 X256
.35 WS/SW .35 WS/GN
.5 WS/GN/GE .5 WS/BL
.35 WS/BR .35 WS/GR
14 1 3 16 2 15 X13253
A104
BODY
ELECTRONICS
CONTROL MODULE
(ZKE IV)
31 31 31 31 31 31

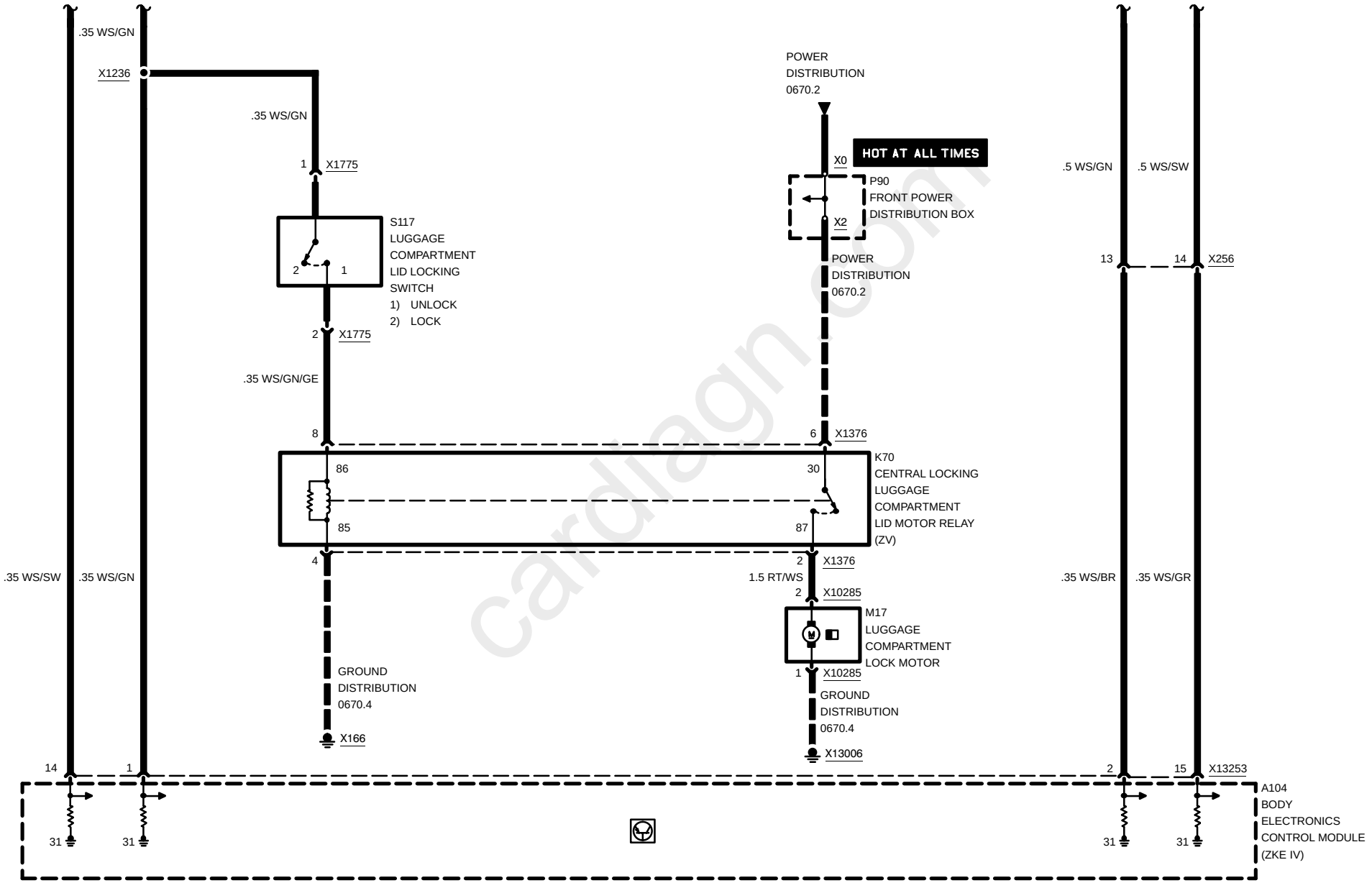
ZKE CENTRAL LOCKING (ZV)

OUTPUT DETAILS

M COUPE



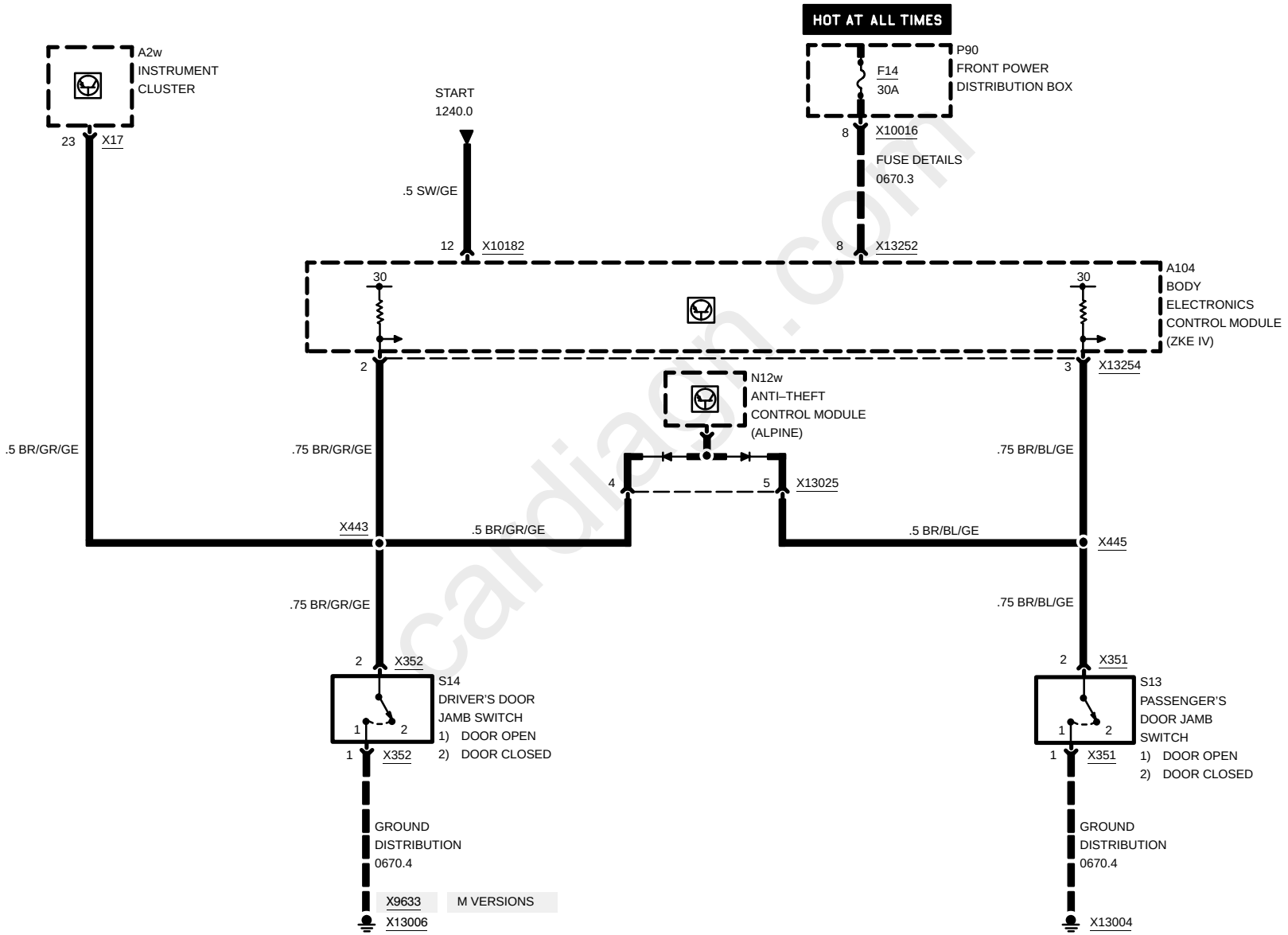
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5133.0 ZKE POWER WINDOWS (FH)

INPUT DETAILS

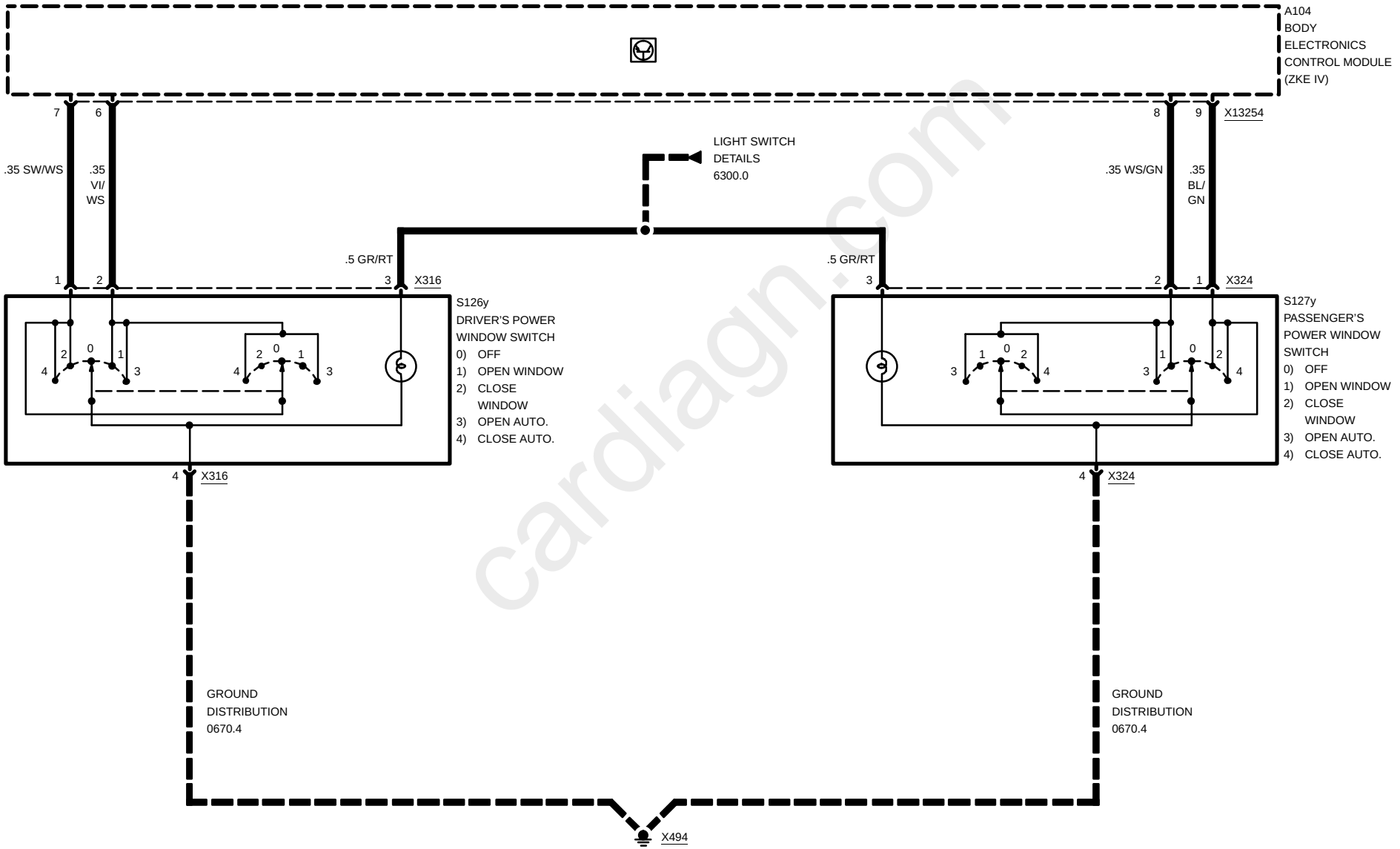


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ZKE POWER WINDOWS (FH)

INPUT DETAILS

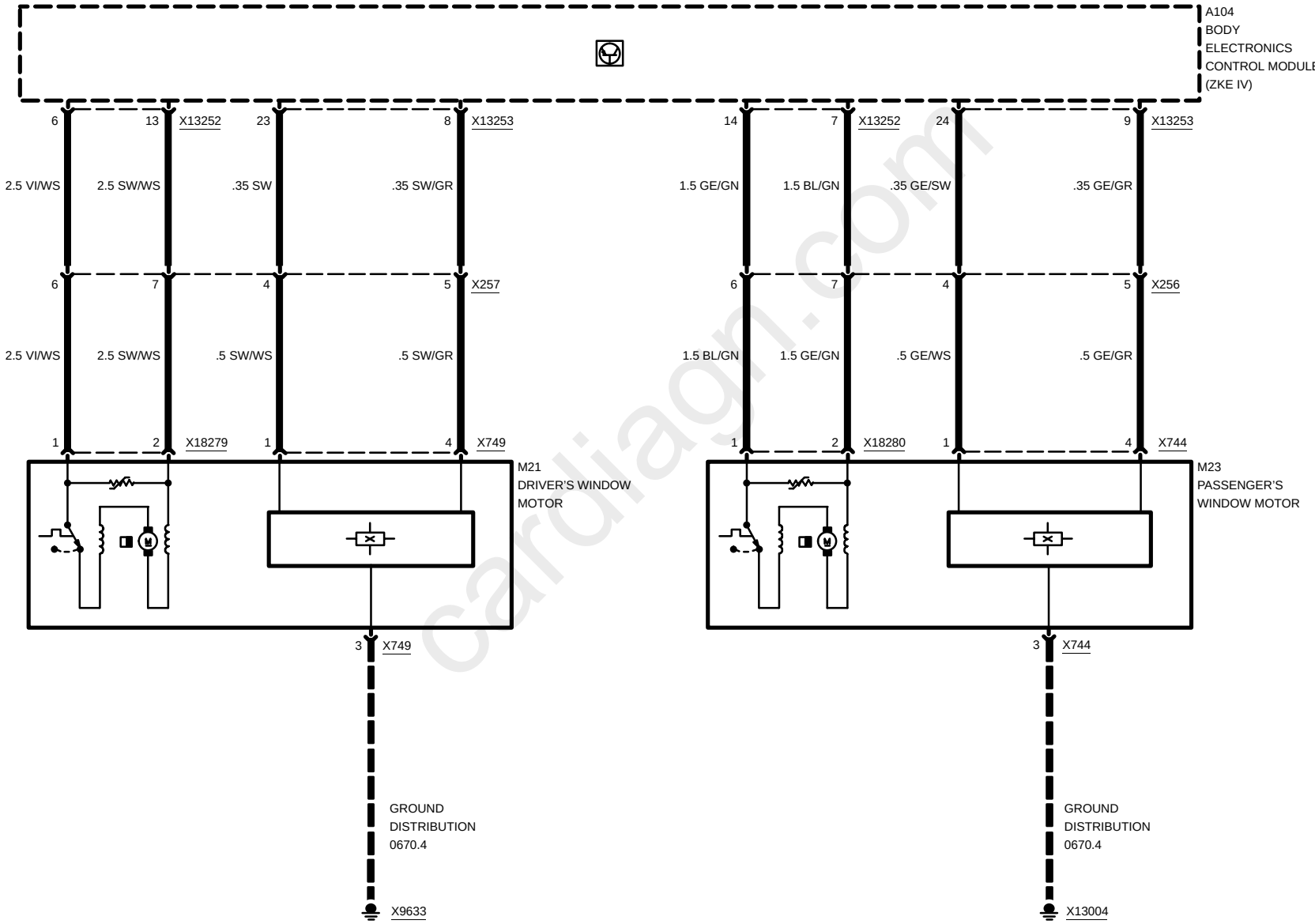
BMW 3 Z3



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ZKE POWER WINDOWS (FH)

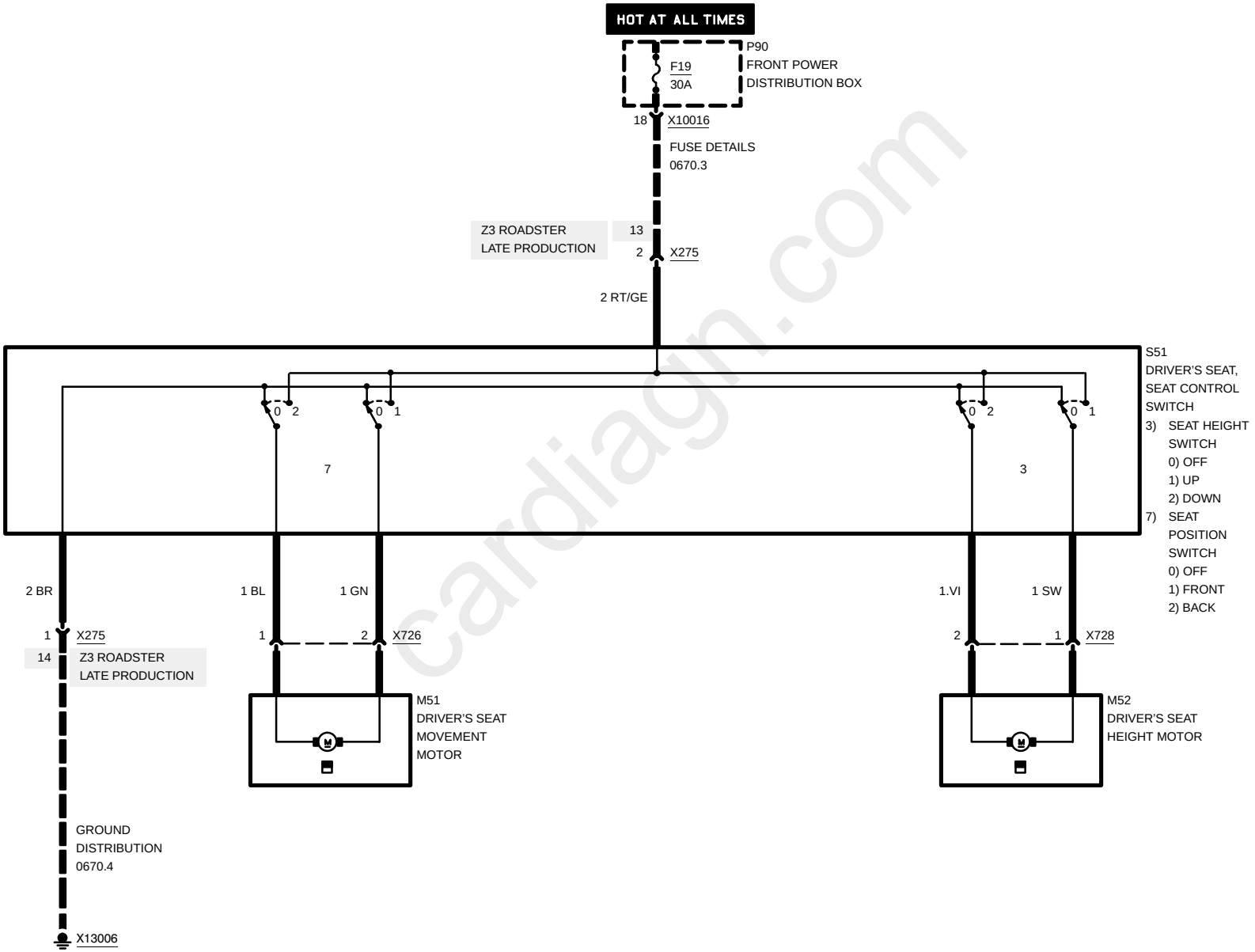
OUTPUT DETAILS



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5200.0 POWER SEATS

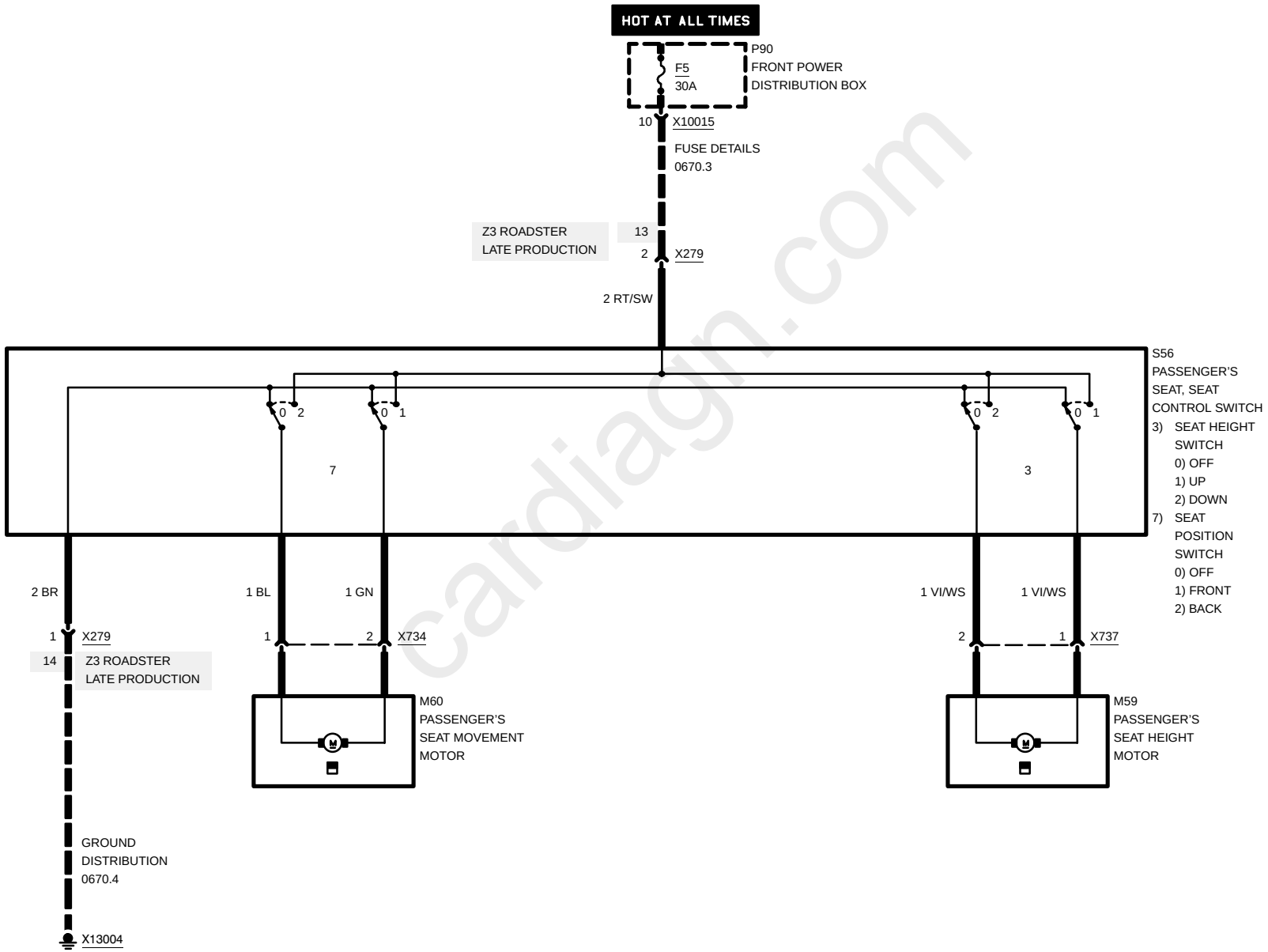
DRIVER'S SEAT



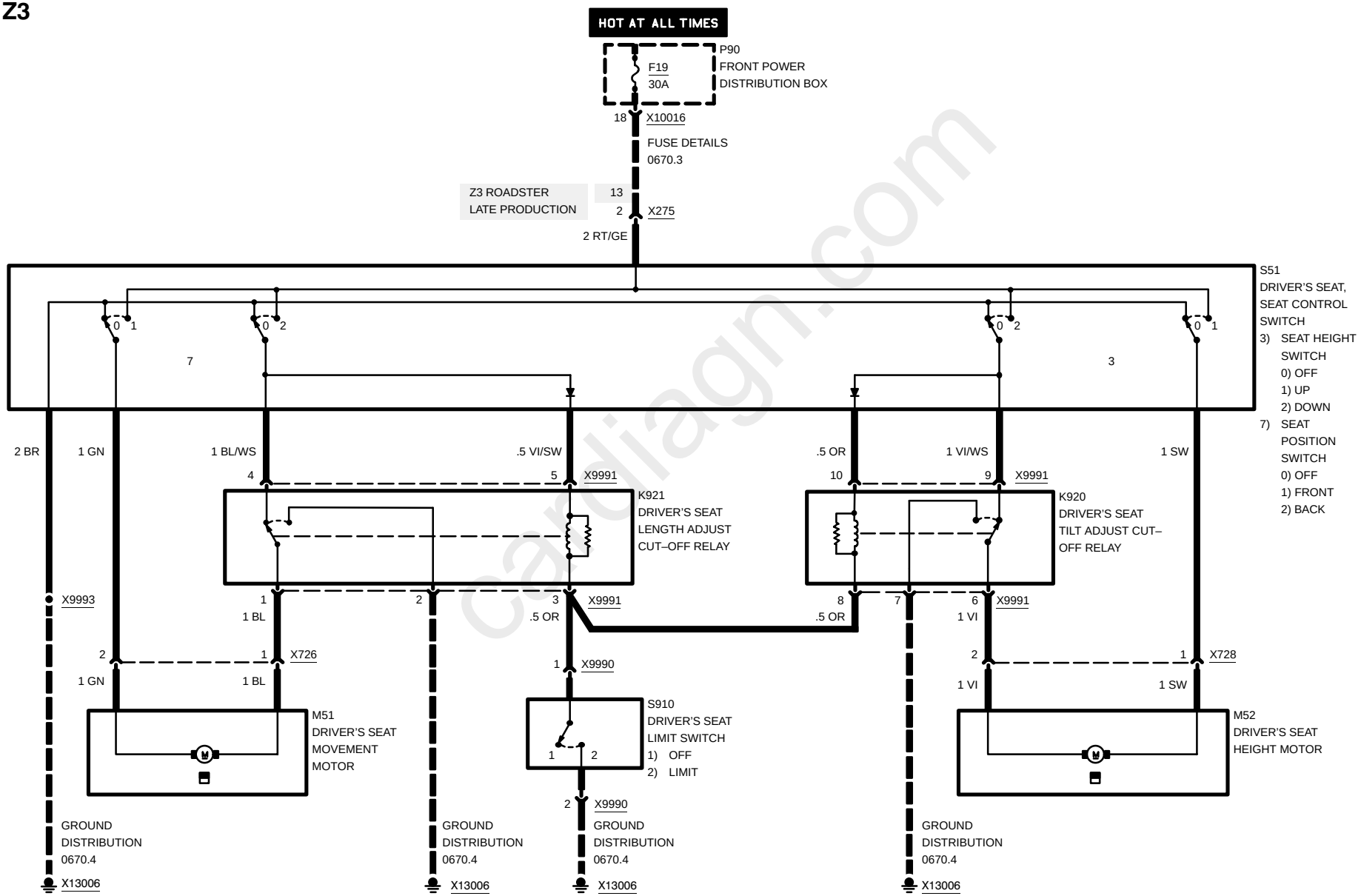
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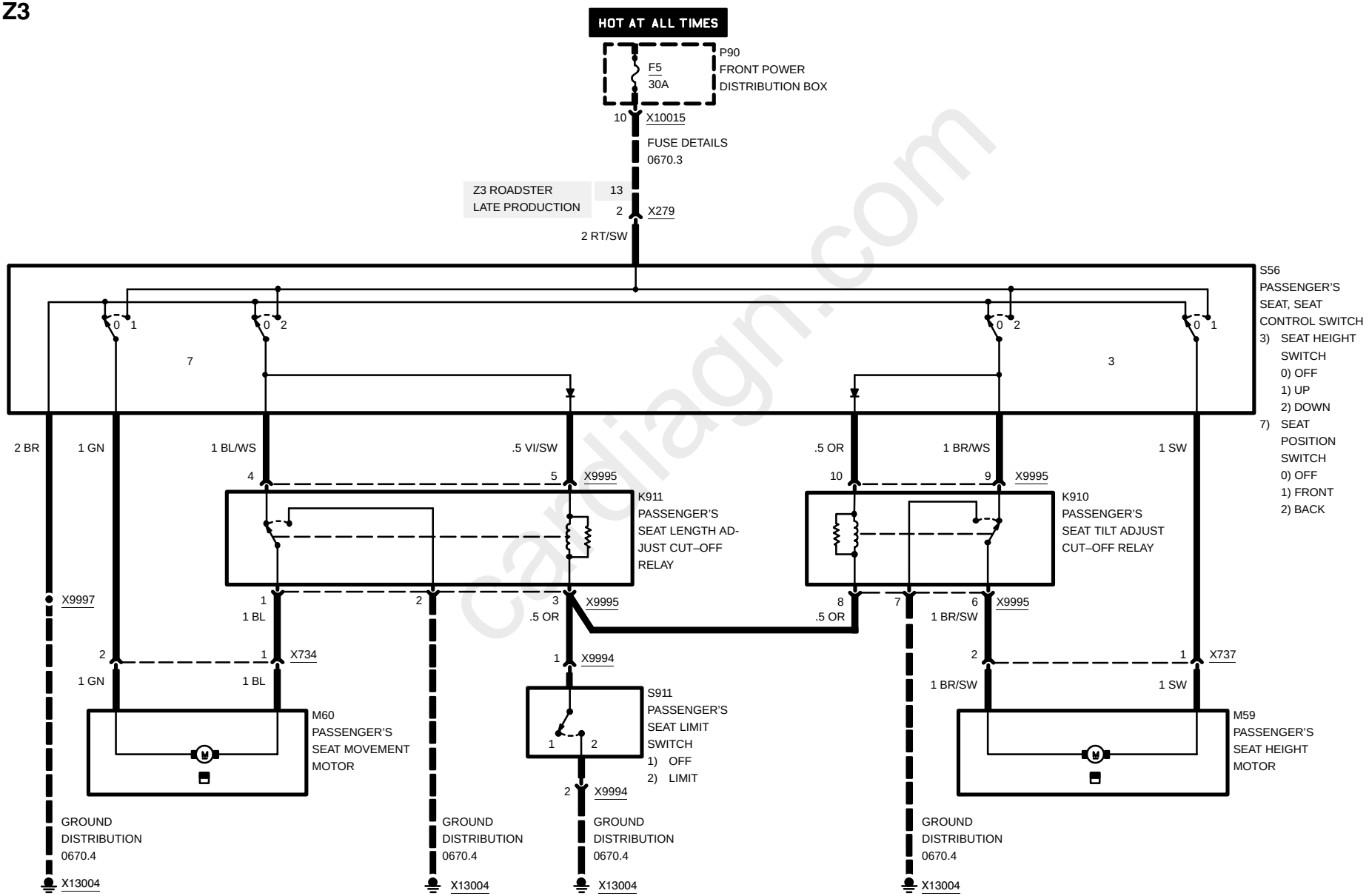
POWER SEATS

PASSENGER'S SEAT

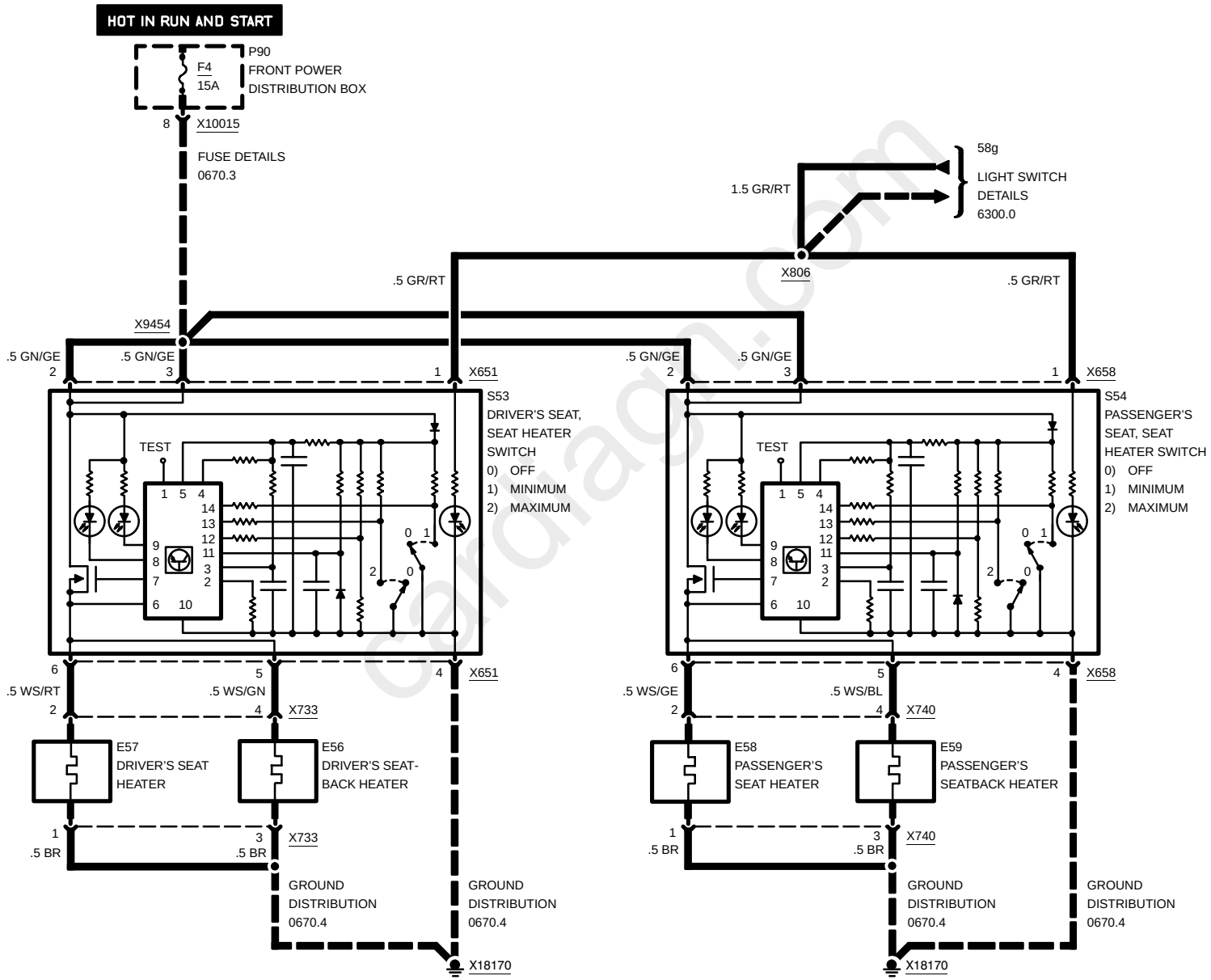


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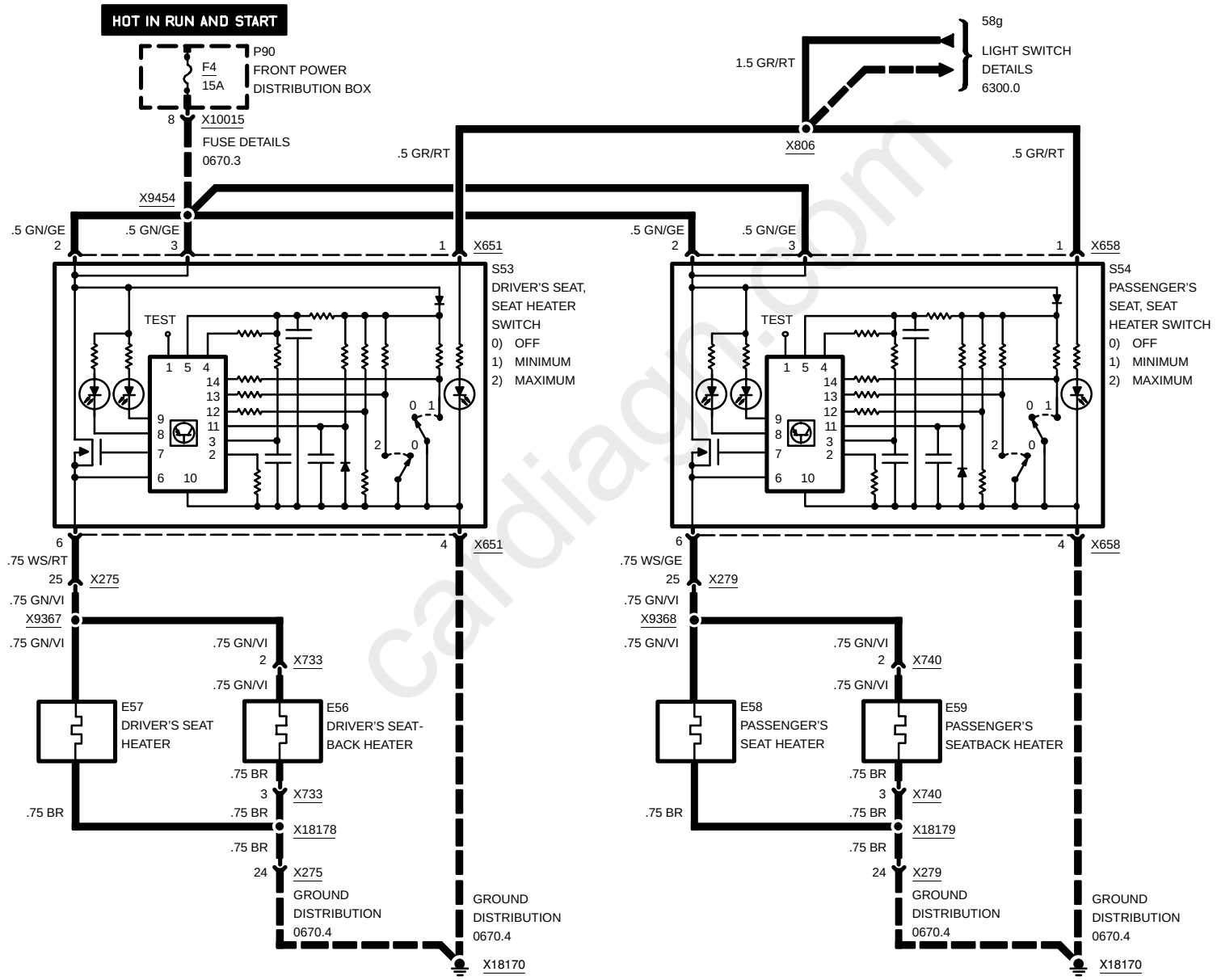

HOT AT ALL TIMES
P90
FRONT POWER
DISTRIBUTION BOX
F19
30A
18
X10016
FUSE DETAILS
0670.3
Z3 ROADSTER
LATE PRODUCTION
13
2
X275
2 RT/GE
S51
DRIVER'S SEAT,
SEAT CONTROL
SWITCH
3) SEAT HEIGHT
SWITCH
0) OFF
1) UP
2) DOWN
7) SEAT
POSITION
SWITCH
0) OFF
1) FRONT
2) BACK
2 BR
1 GN
1 BL/WS
.5 VI/SW
.5 OR
1 VI/WS
1 SW
X9991
K921
DRIVER'S SEAT
LENGTH ADJUST
CUT–OFF RELAY
K920
DRIVER'S SEAT
TILT ADJUST CUT–
OFF RELAY
X9993
1 BL
.5 OR
1 VI
X726
X728
X9990
S910
DRIVER'S SEAT
LIMIT SWITCH
1) OFF
2) LIMIT
M51
DRIVER'S SEAT
MOVEMENT
MOTOR
M52
DRIVER'S SEAT
HEIGHT MOTOR
GROUND
DISTRIBUTION
0670.4
X13006



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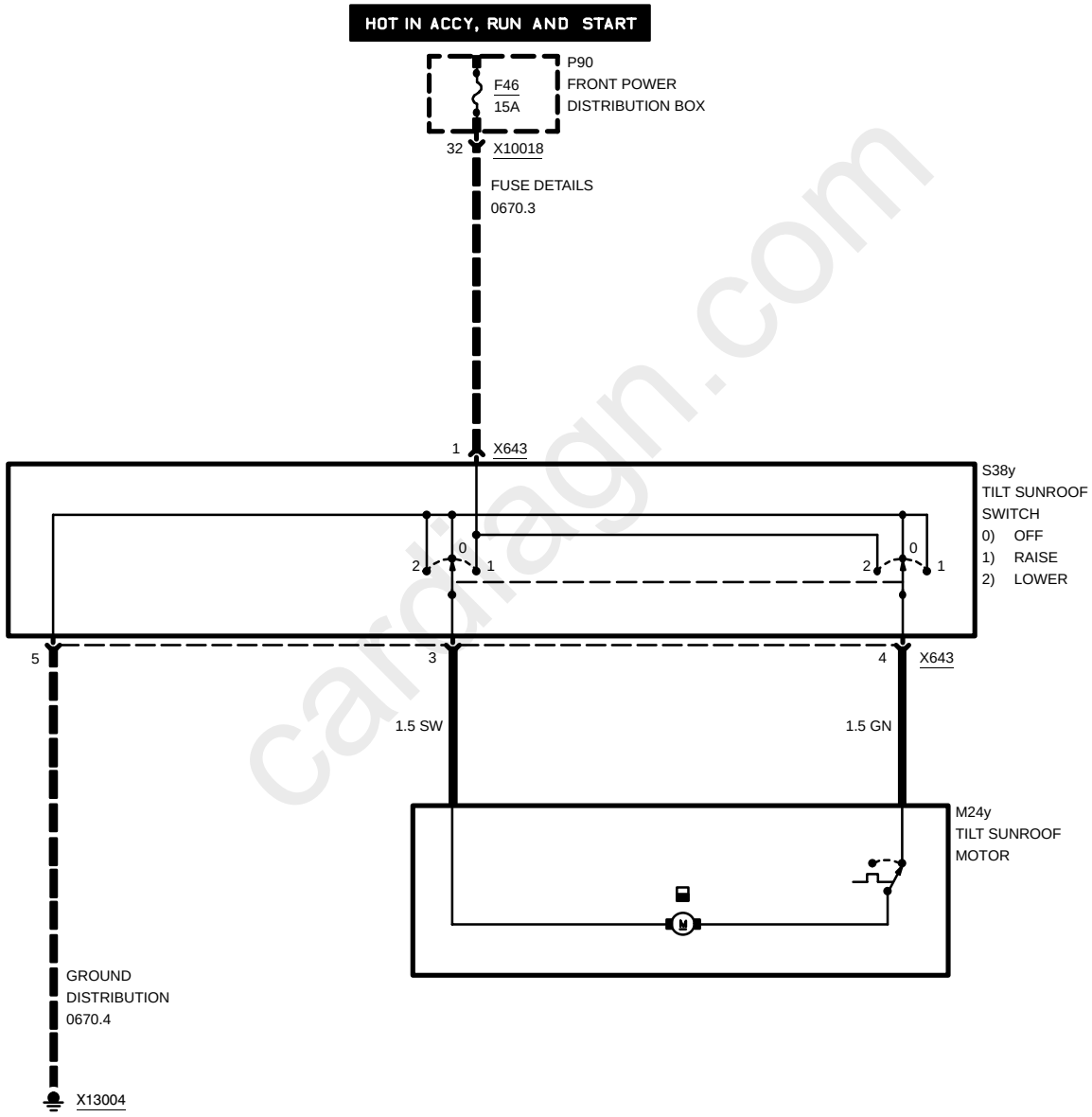


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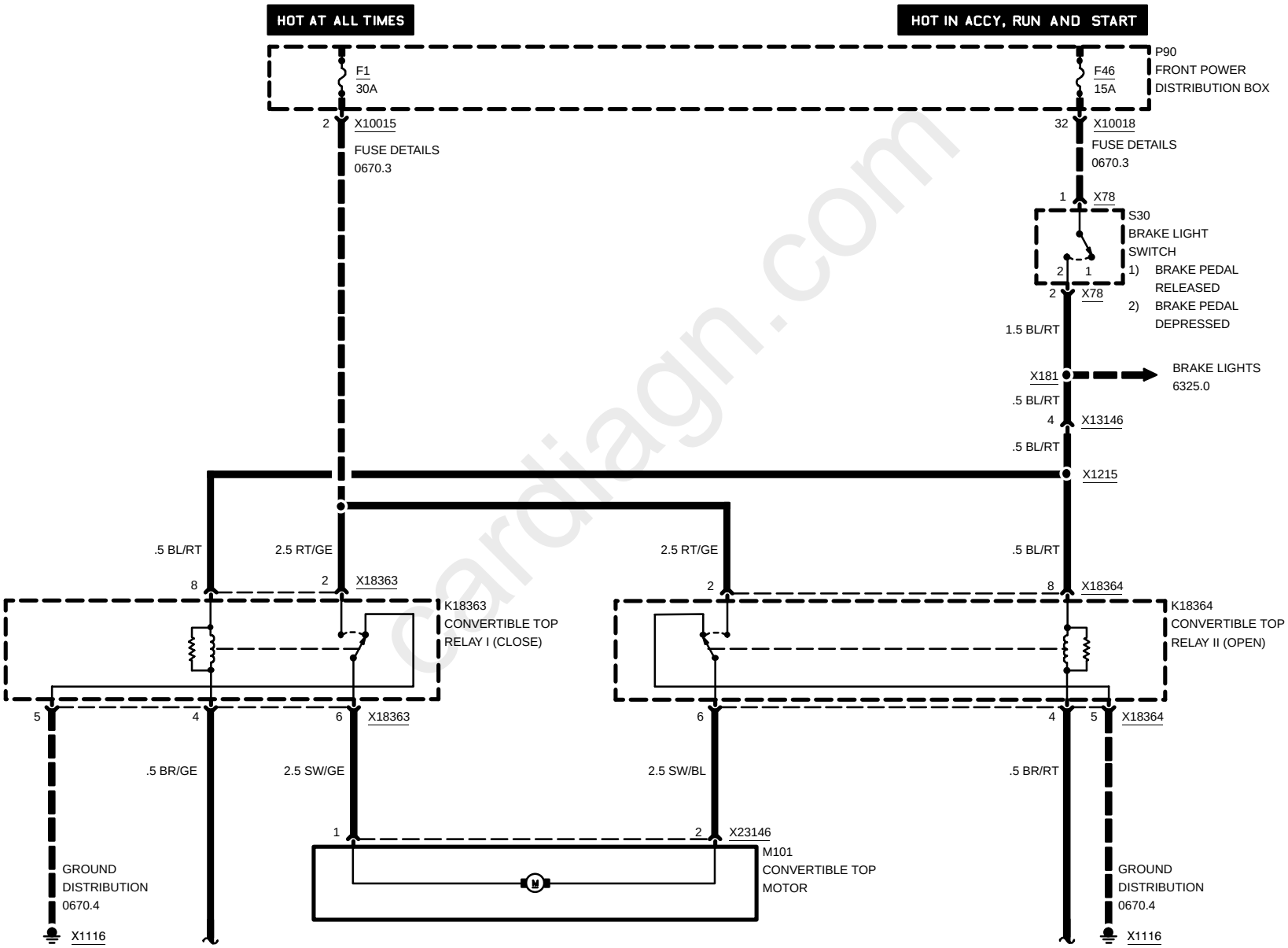
cardiagn.com

5410.5 POWER TILT SUNROOF

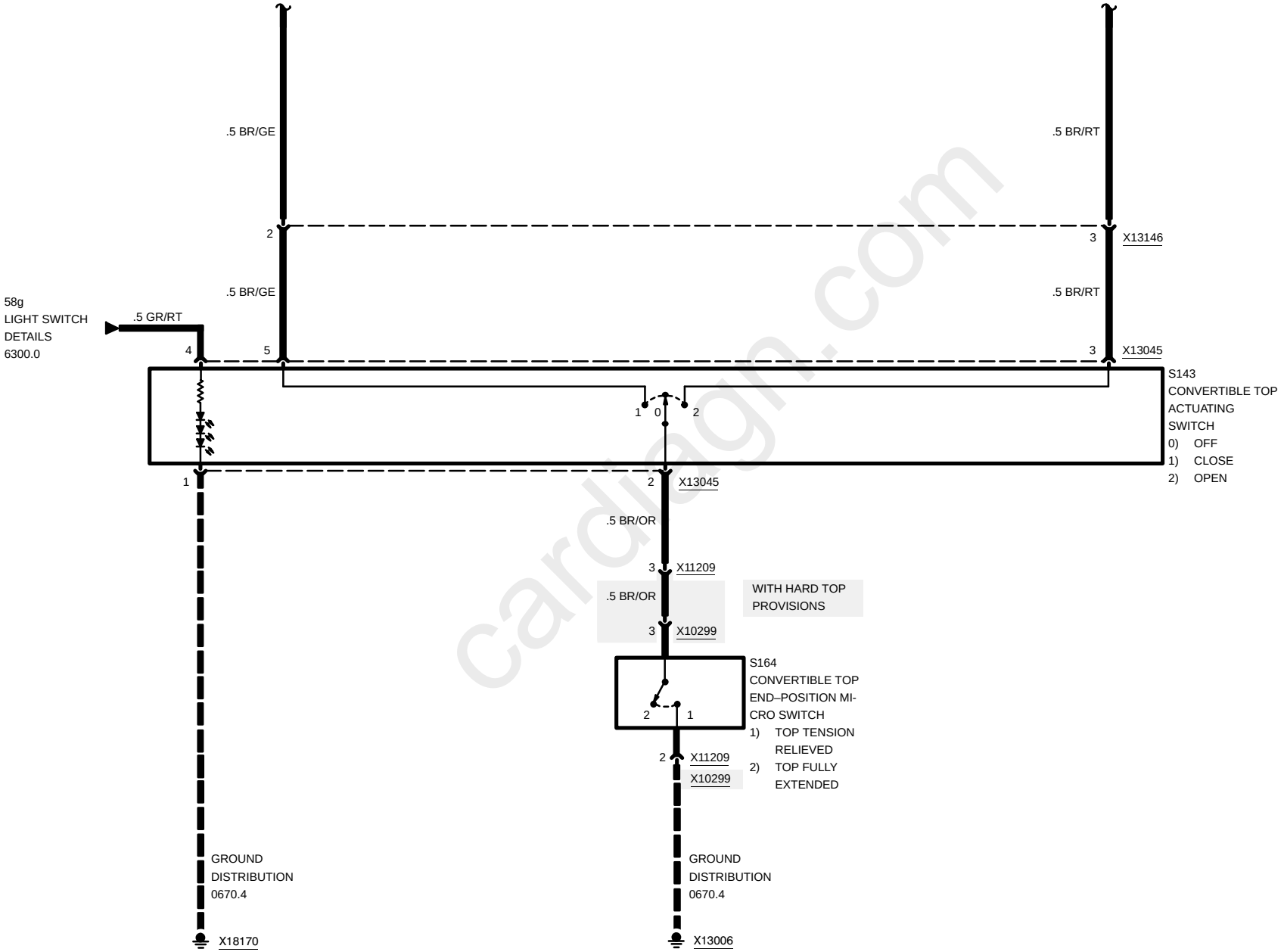


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5430.2 ELECTRO–HYDRAULIC CONVERTIBLE TOP

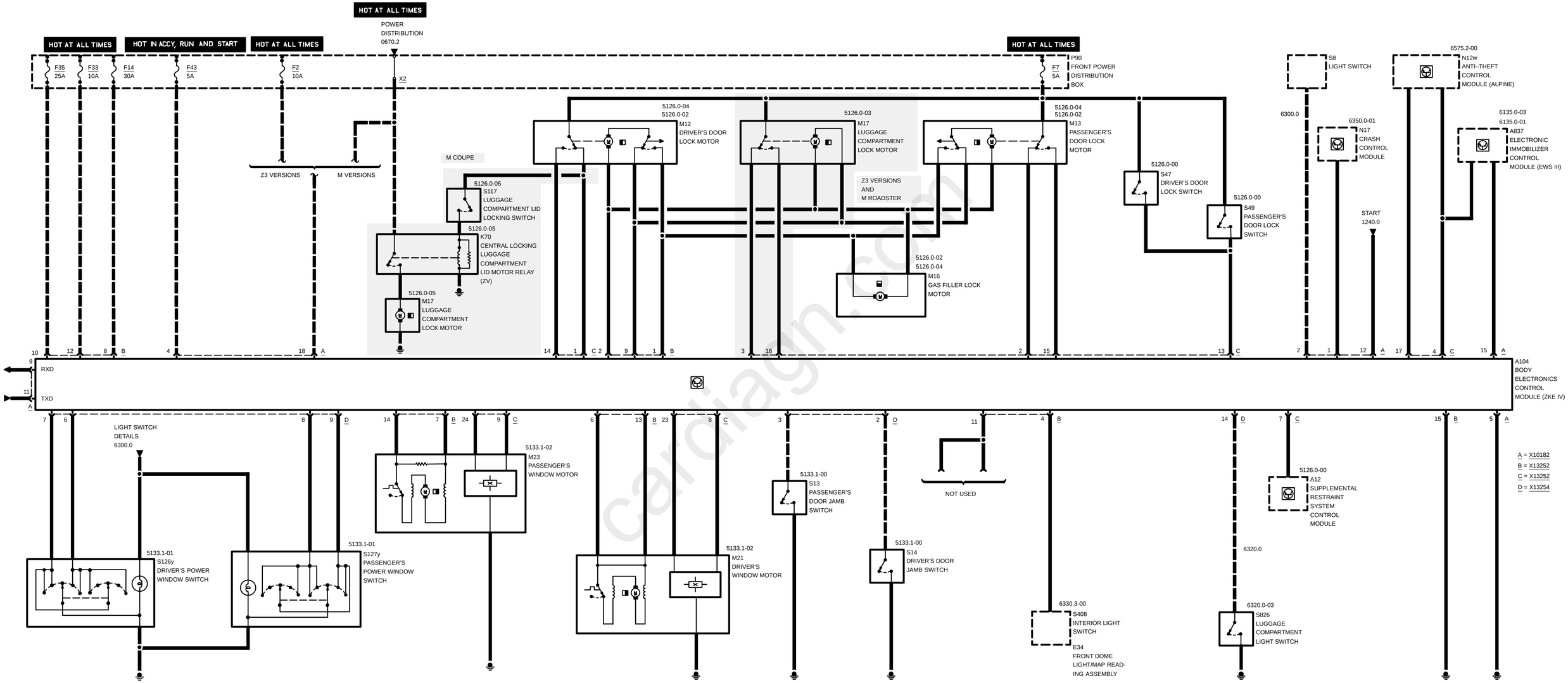


cardiagn.com

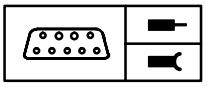


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6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)



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Pin Assignments

F = X10182	18 Pins, black
G = X13252	15 Pins, black
H = X13253	26 Pins, yellow
I = X13254	26 Pins, green

X10182

Pin	Type	Description/Function	Connection
1	E	Crash signal	Crash control module
2	E	Light signal	Light switch
3		Not used	
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

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E = Input, A = Output, M = Ground

Pin Assignments

X13252

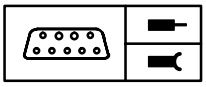
Pin	Type	Description/Function	Connection
1	A	Central arrest signal	Lock motors
2	A	Unlock signal	Lock motors
3		Not used	
4	A	Automatic interior light signal	Interior light
5		Not used	
6	A	Voltage supply	Power window motor, driver's door
7	A	Voltage supply	Power window motor, passenger's door
8	E	Power supply	Front power distribution box, fuse 14
9	A	Lock signal	Lock motors
10	E	Power supply	Front power distribution box, fuse 35
11	A	Consumer cut-off signal	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	Trunk lock motor (Z3 Versions and M Roadster)
4	E	Data signal	Anti-theft system control module (Alpine)
5		Not used	
6		Not used	
7	E	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

E = Input, A = Output, M = Ground

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Pin Assignments

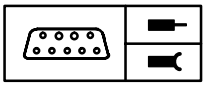
Pin	Type	Description/Function	Connection
10		Not used	
11		Not used	
12		Not used	
13	E	Central arrest signal	Door lock switches
14	E	Lock signal, driver's door	Door lock motor, driver's door
15	E	Lock signal, passenger's door	Door lock motor, passenger's door
16	E	Lock signal trunk lid	Trunk lock motor (Z3 Versions and M Roadster)
17	E	Data signal	Anti-theft system control module (Alpine)
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23	A	Plus supply (revolution)	Power window's motor, driver's side
24	A	Voltage supply (revolution)	Power window's motor, passenger's side
25		Not used	
26		Not used	

X13254

Pin	Type	Description/Function	Connection
1		Not used	
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	

E = Input, A = Output, M = Ground

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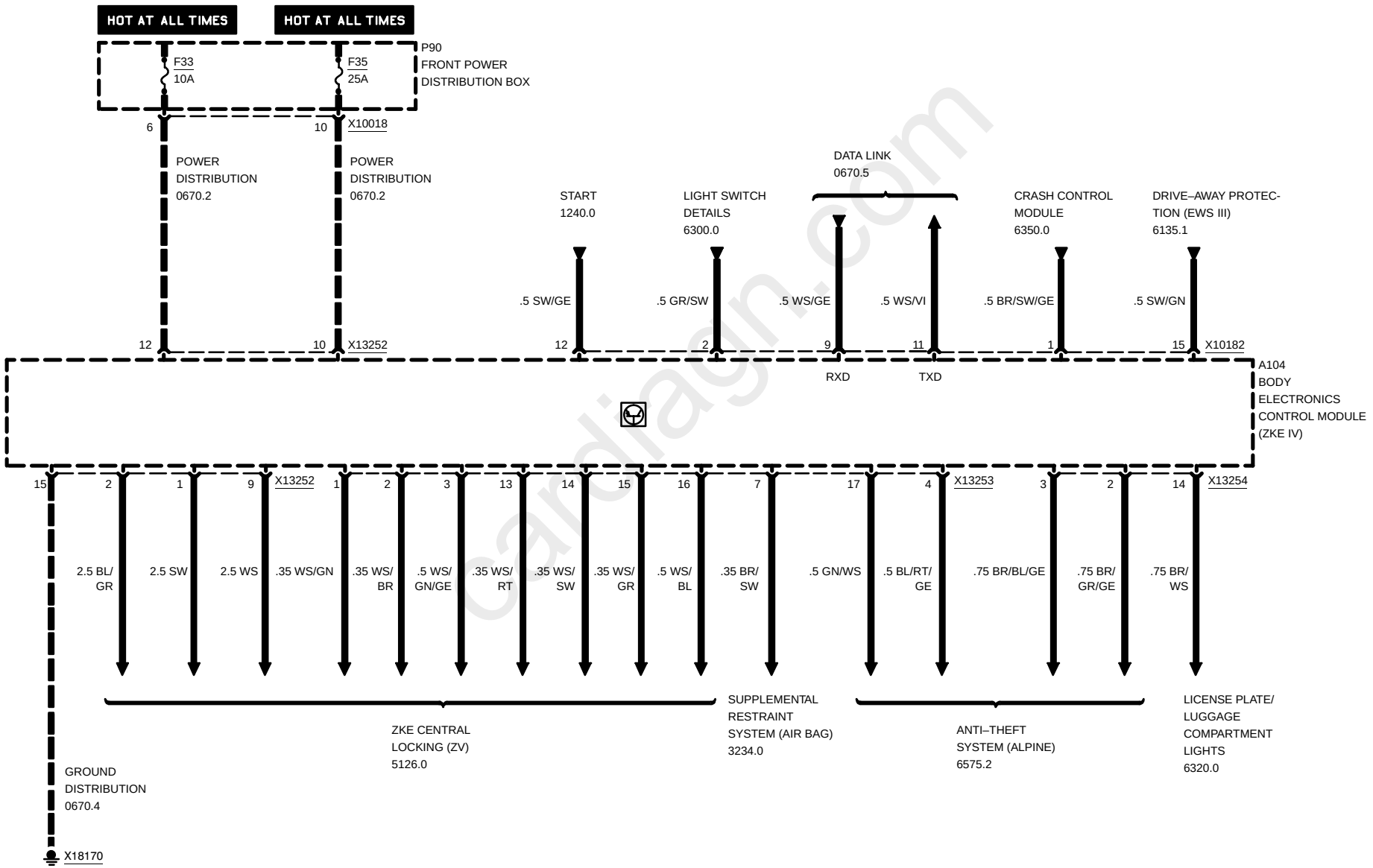
Pin Assignments

Pin	Type	Description/Function	Connection
11		Not used	
12		Not used	
13		Not used	
14	E	Luggage compartment signal	Luggage compartment light switch
15		Not used	
16		Not used	
17		Not used	
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26		Not used	

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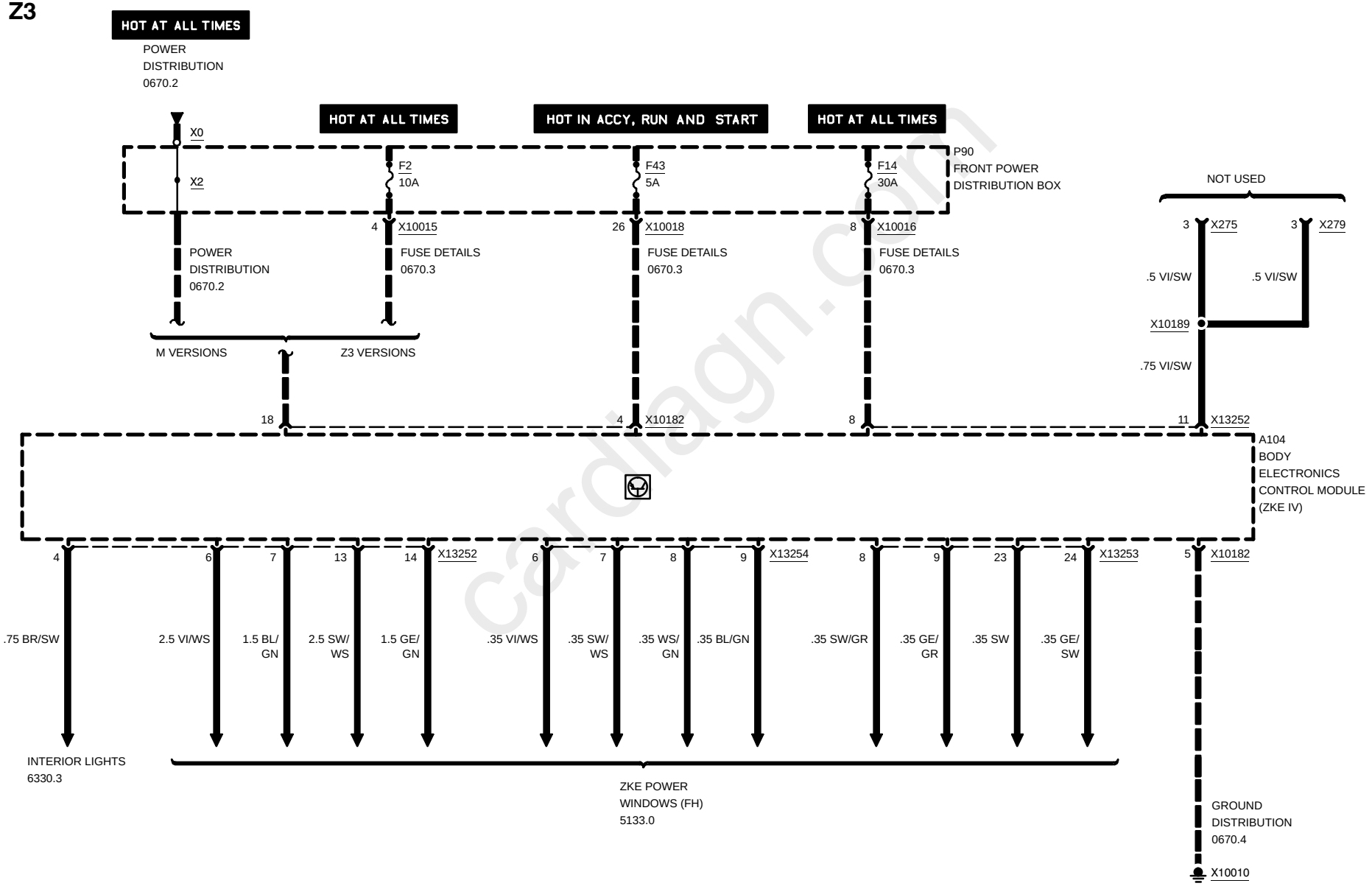
E = Input, A = Output, M = Ground

CENTRAL BODY ELECTRONICS (ZKE IV)



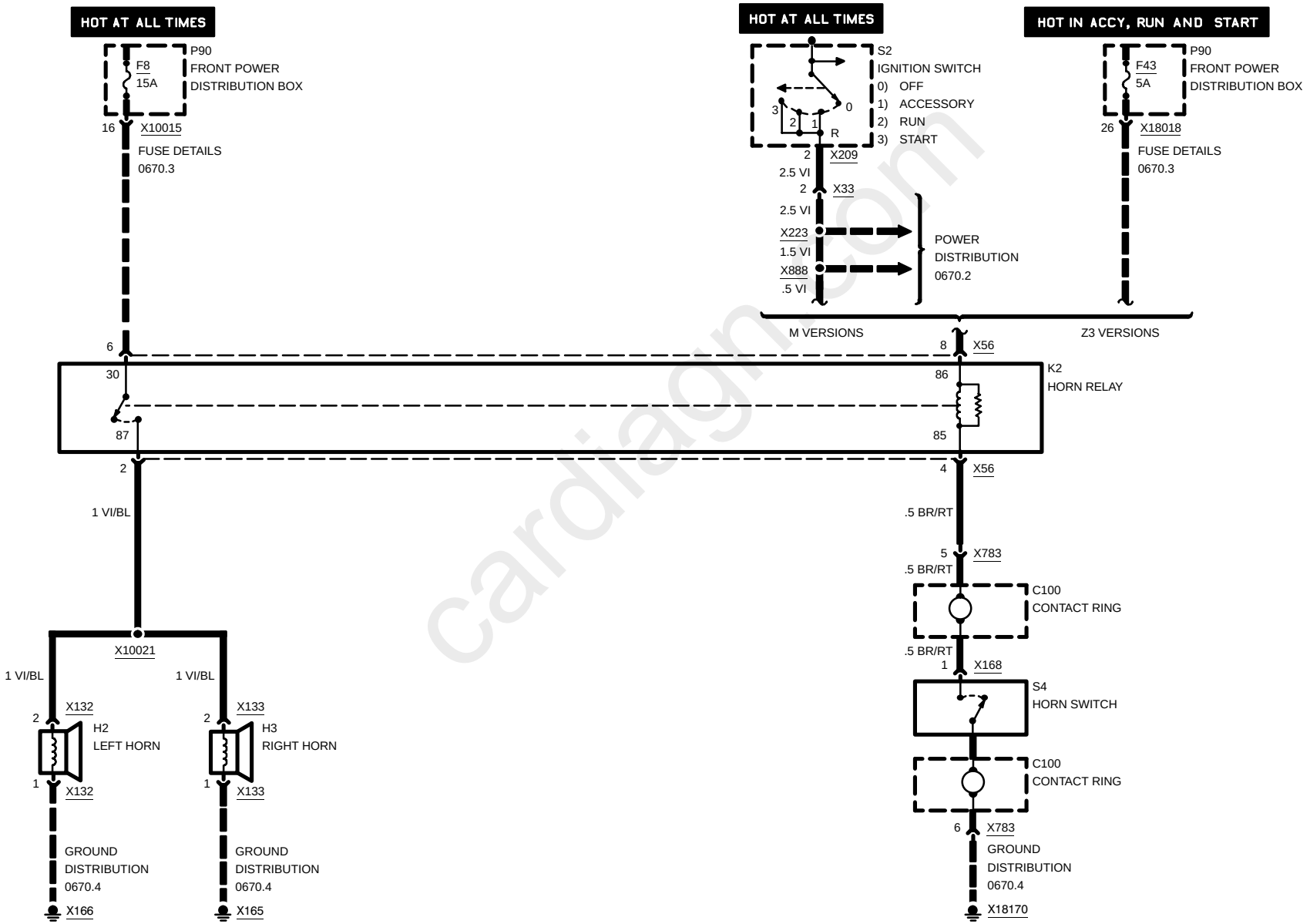
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CENTRAL BODY ELECTRONICS (ZKE IV)



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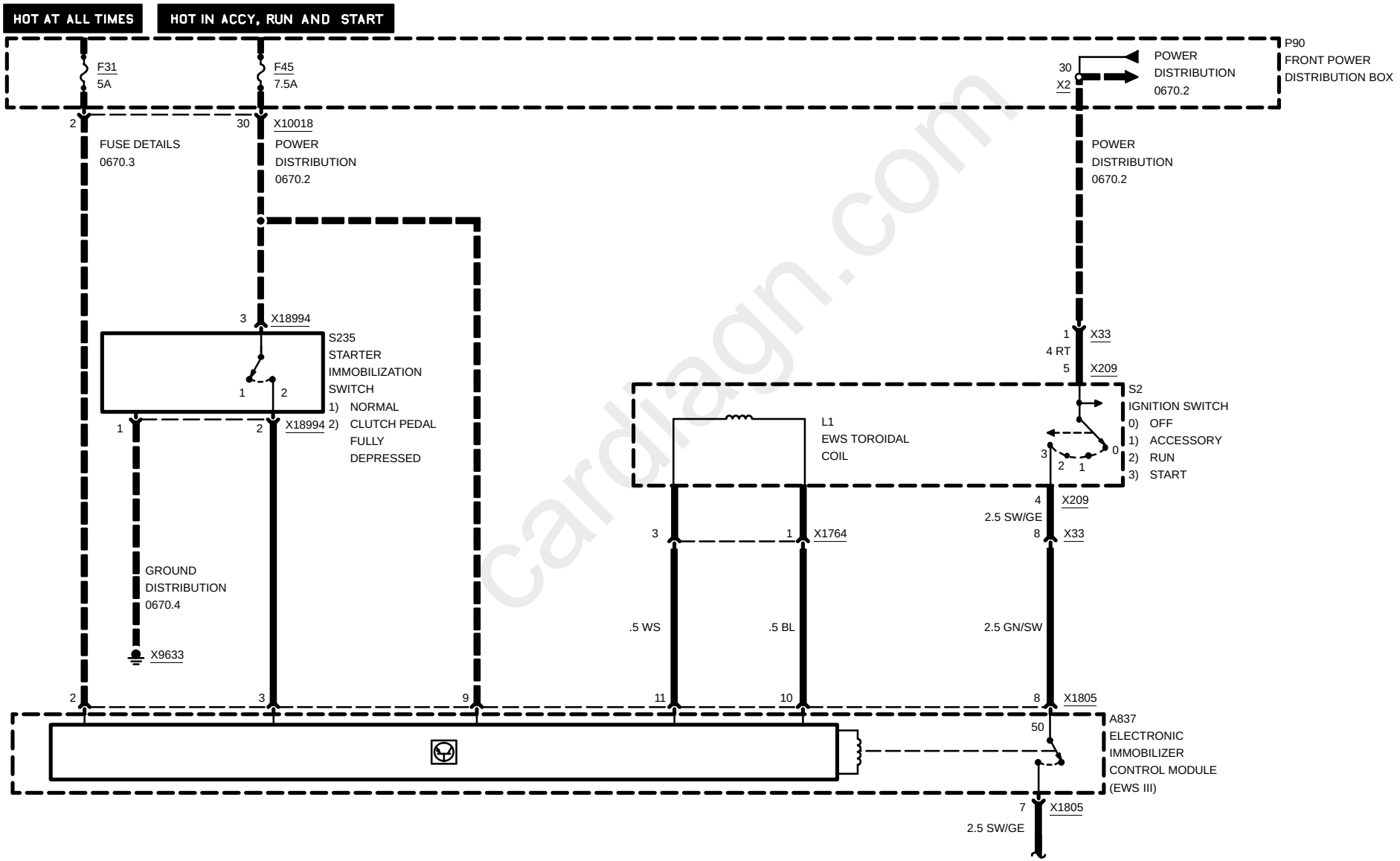
6133.0 HORN



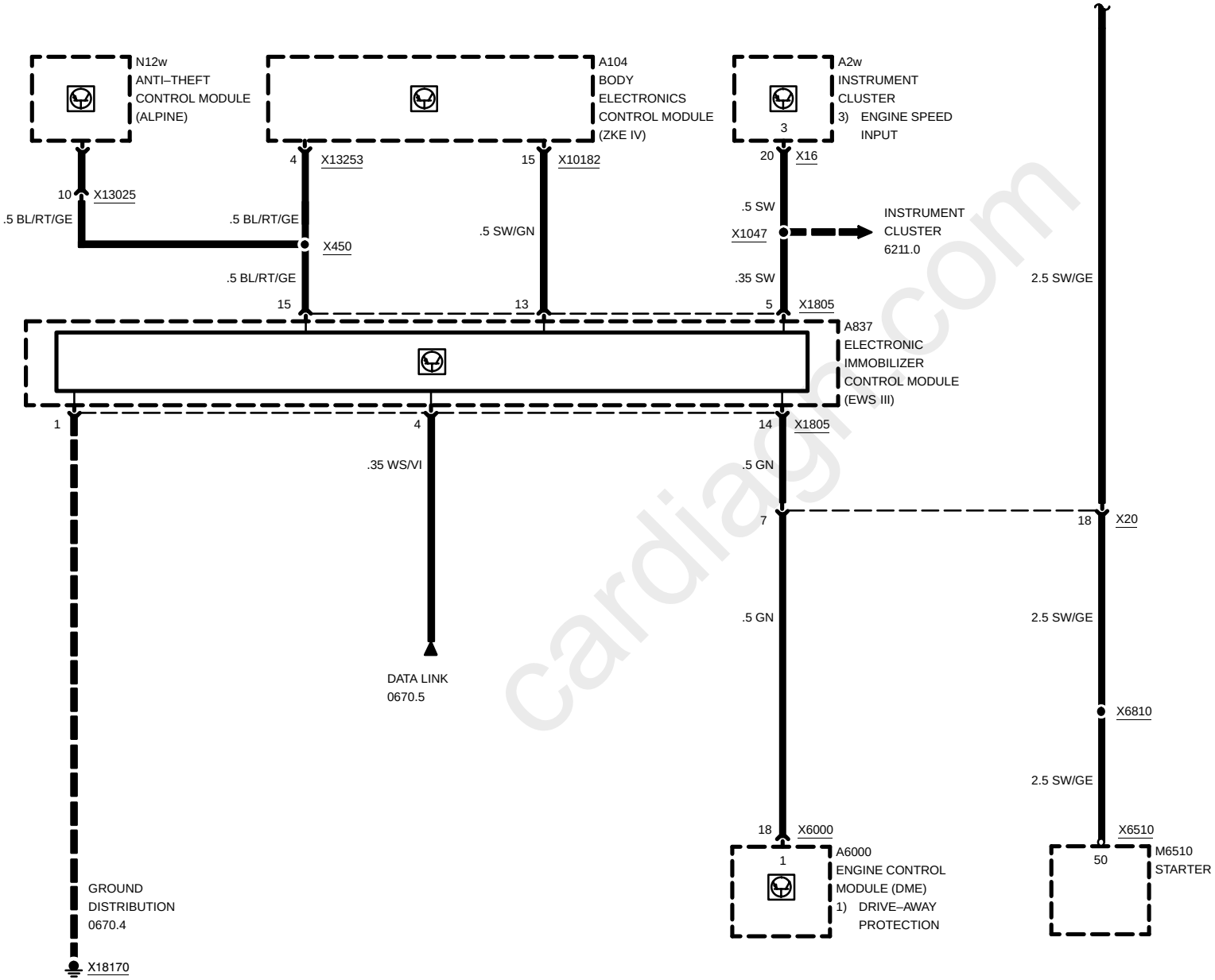
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6135.1 DRIVE–AWAY PROTECTION (EWS III)

M VERSIONS



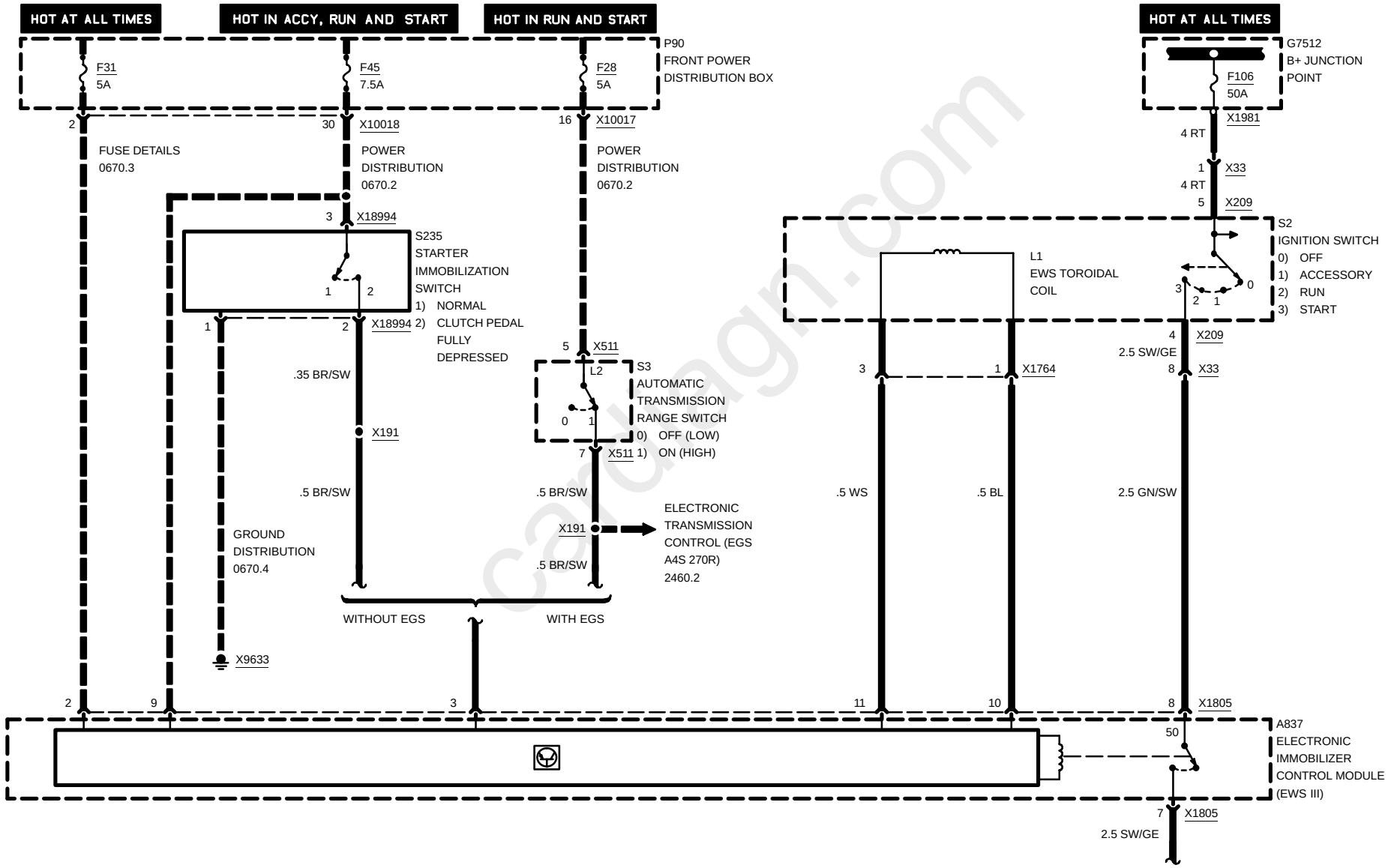
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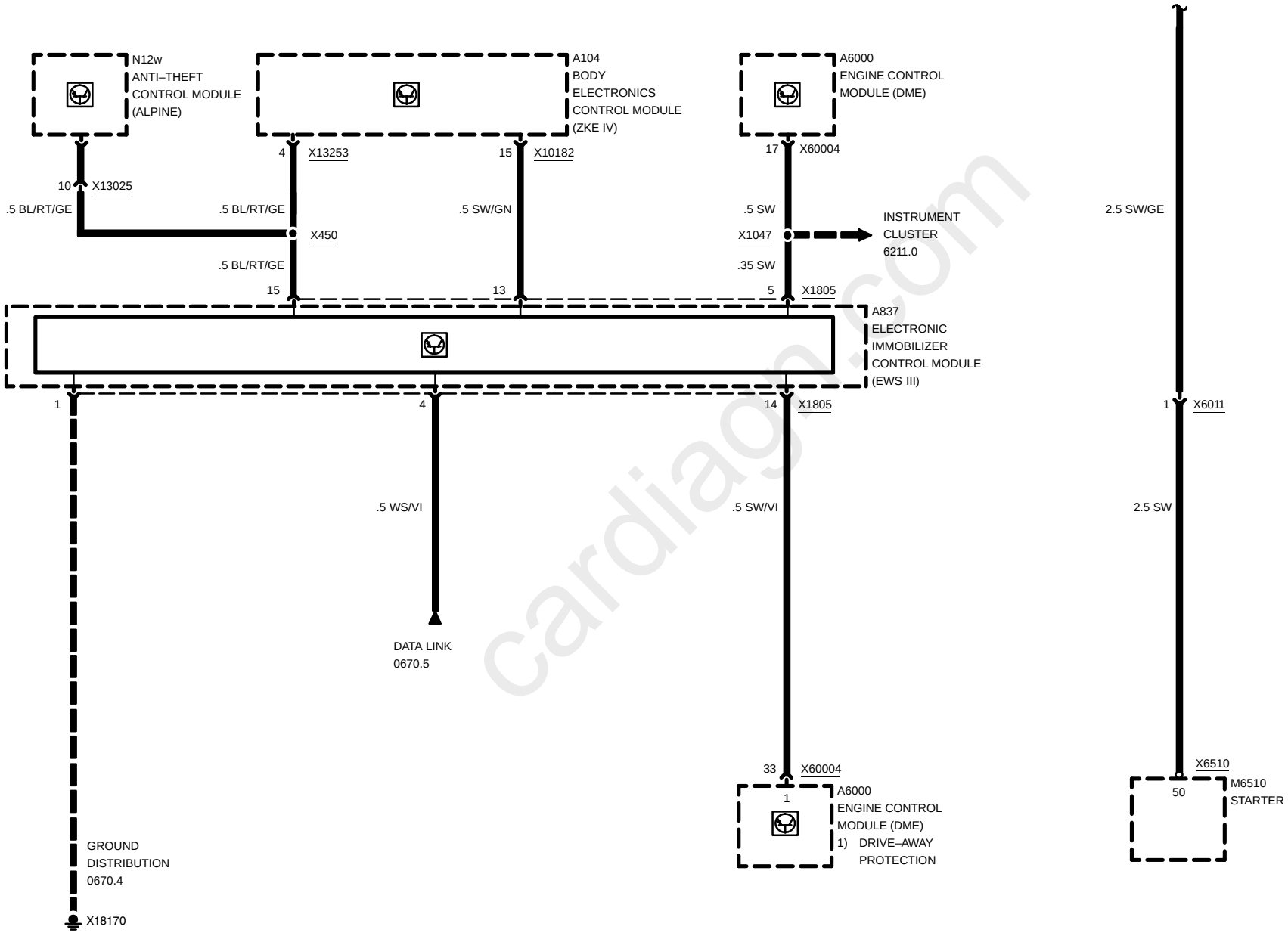
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DRIVE–AWAY PROTECTION (EWS III)

Z3 VERSIONS



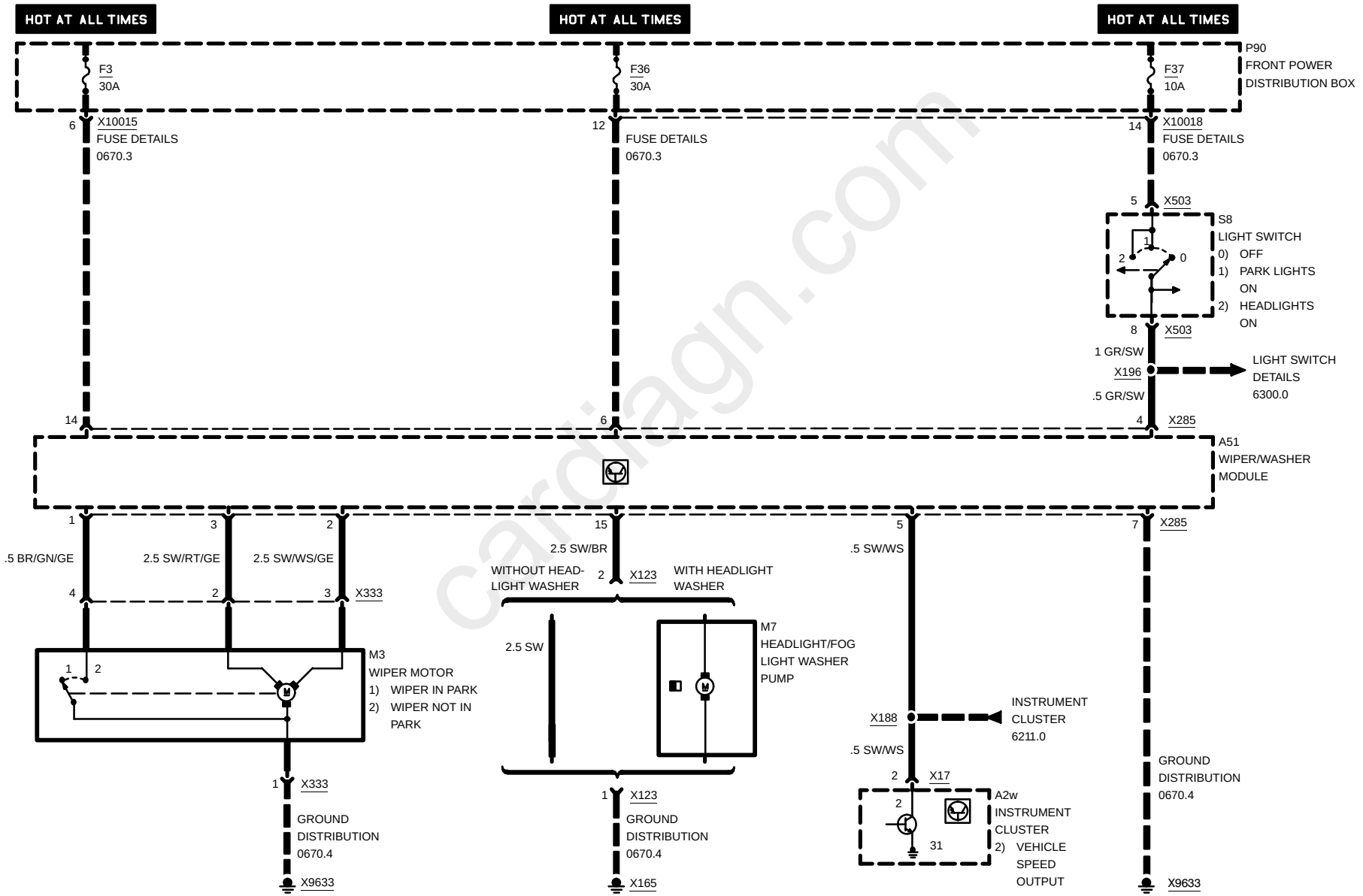
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6160.1 WIPER/WASHER MODULE (WWM)

HIGH

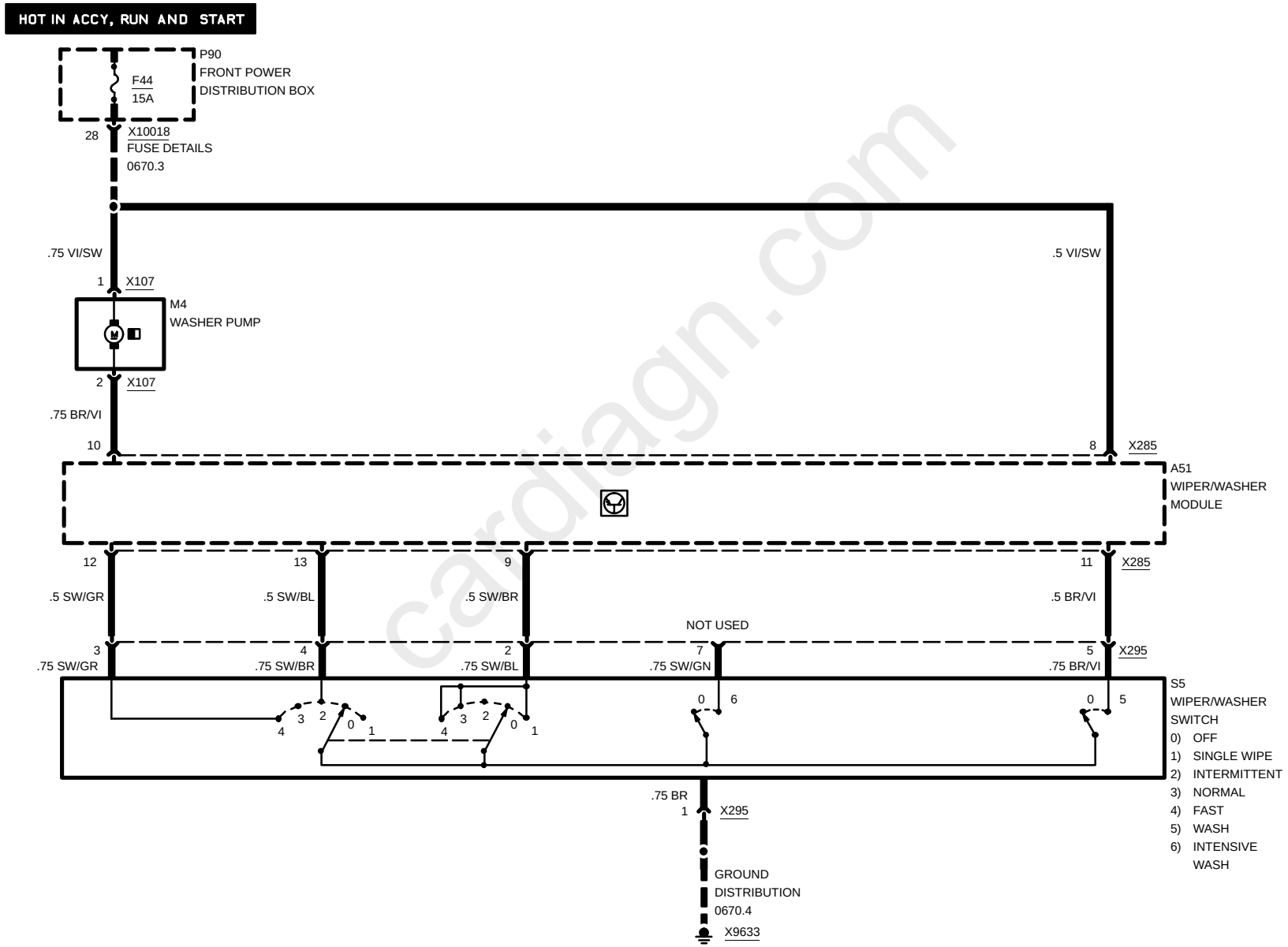


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WIPER/WASHER MODULE (WWM)

HIGH

ROADSTER

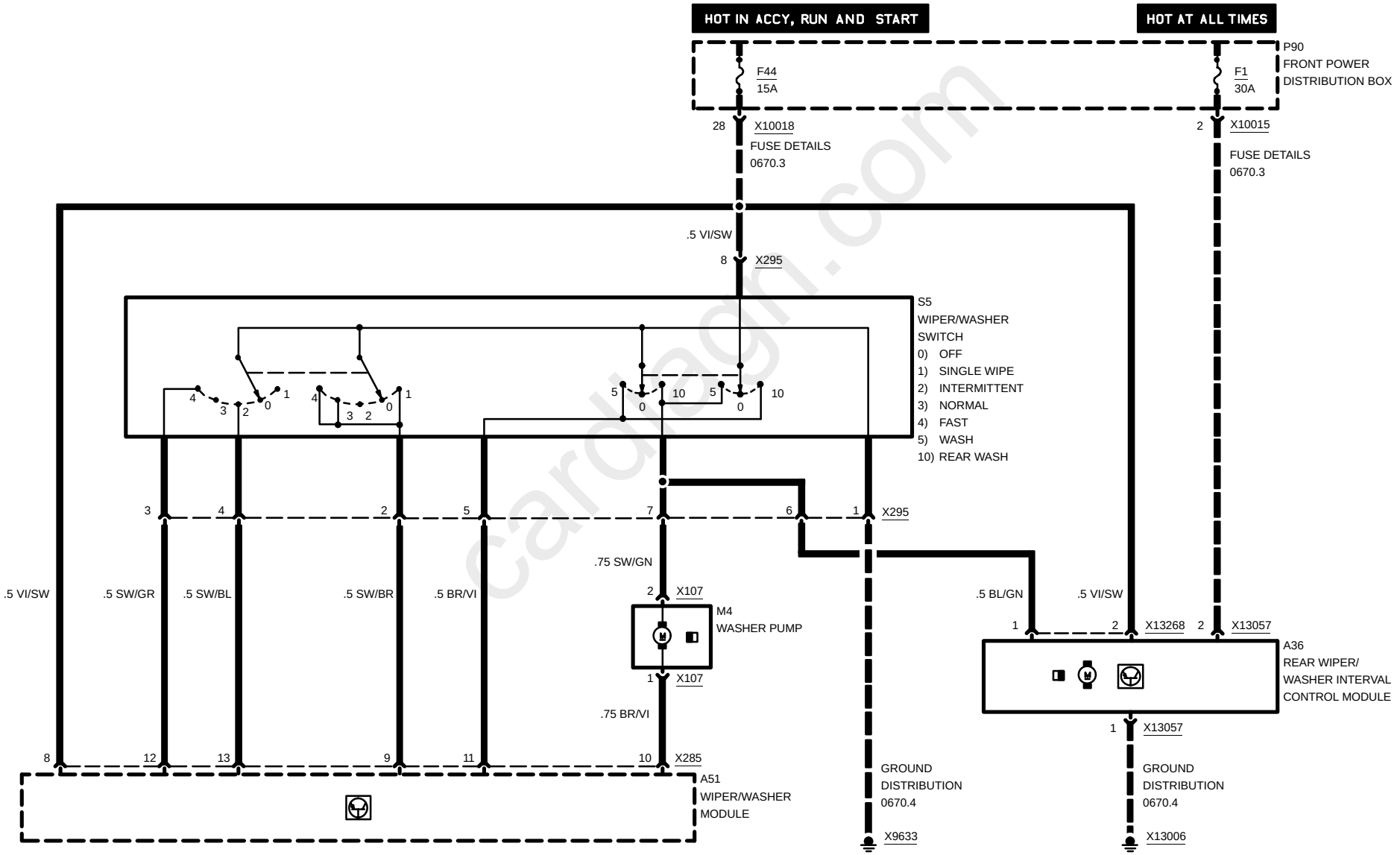


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WIPER/WASHER MODULE (WWM)

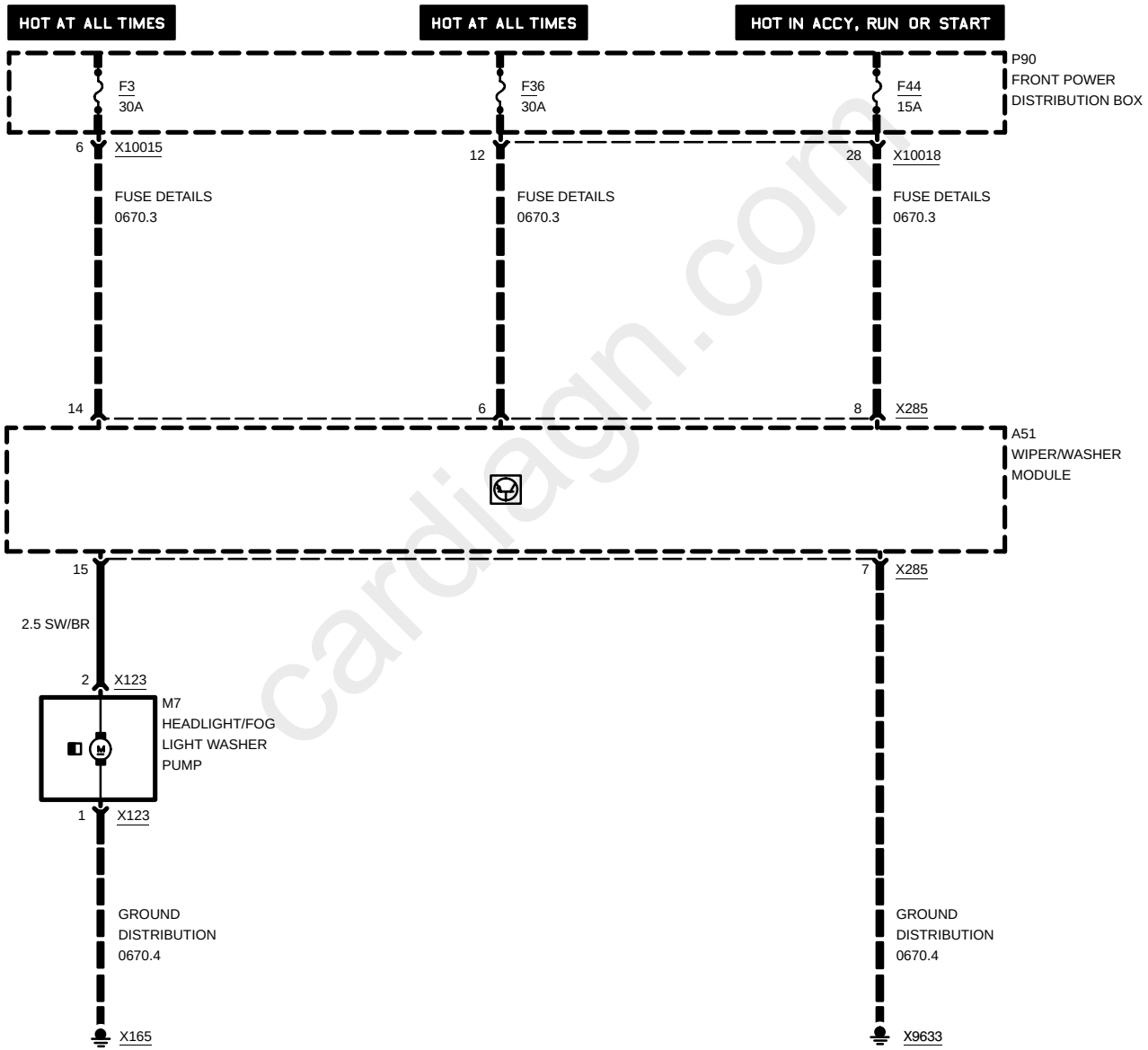
WIPER/WASHER (HIGH)

COUPE



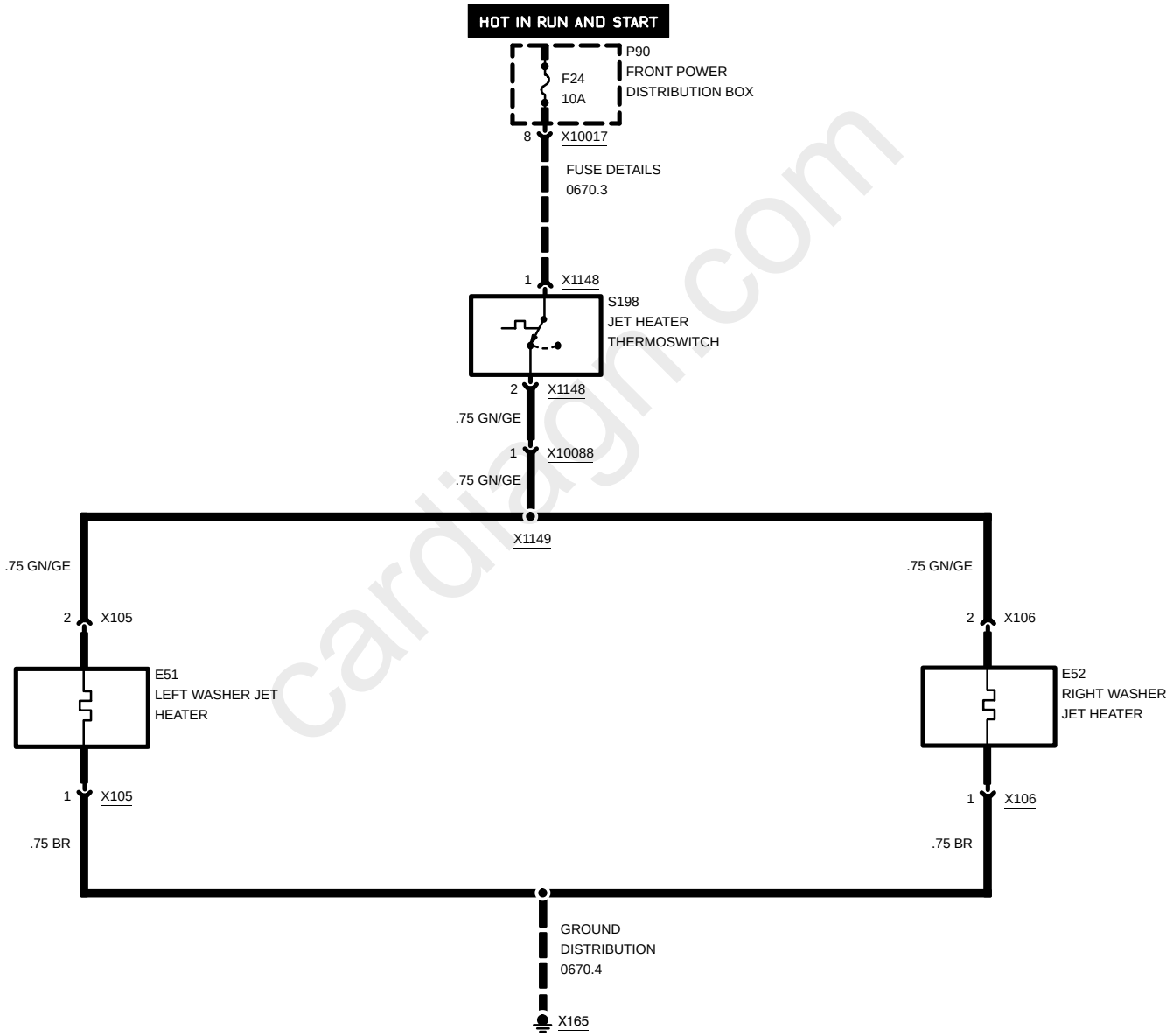
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6167.1 HEADLIGHT WASHER (SRA)

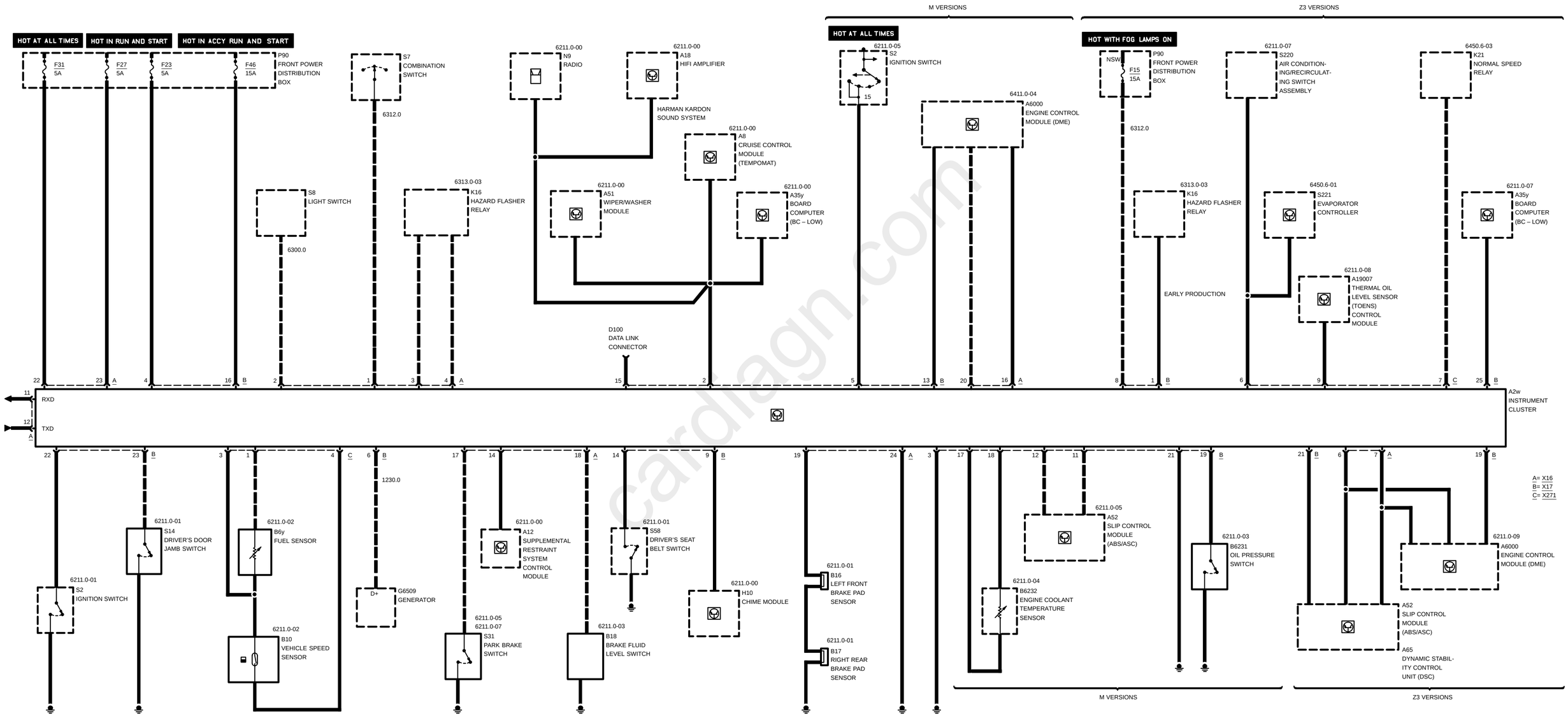


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6169.0 WINDSHIELD WASHER JET HEATERS



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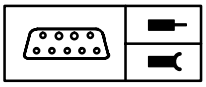
Pin Assignments

X16

Pin	Type	Description/Function	Connection
1	E	High beam indicator control	Combination switch
2	E	Terminal 58g, instrument illumination power	Light switch (dimmer)
3	E	Right turn signal indicator control	Hazard flasher relay
4	E	Left turn signal indicator control	Hazard flasher relay
5		Not used	
6	E/A	CAN bus high	Engine/slip control module (Z3 Versions)
7	E/A	CAN bus low	Engine/slip control module (Z3 Versions)
8		Not used	
9		Not used	
10		Not used	
11	A	Diagnosis RXD signal	Data link connector (M Versions)
12	E/A	Diagnosis TXD signal	Data link connector
13		Not used	
14	E	Air bag warning lamp (SRS) control	Supplemental restraint system control module
15		Not used	
16	E	“Check engine” indicator control	Engine control module (DME) (M Versions)
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) (M Versions)
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

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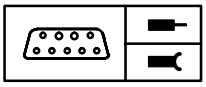
Pin Assignments

X17

Pin	Type	Description/Function	Connection
1	E	Trailer turn signal indicator control	Hazard flasher relay (Z3 Versions Early Production)
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 (M Versions)
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 (Z3 Versions)
9	A	Sound tone signal	Chime module
10		not used	
11	E	Slip control system warning lamp (ABS) control	Slip control module (ABS/ASC) (M Versions)
12	E	ASC signal	ASC control module (M Versions)
13	A	TI-measurement signal (fuel consumption)	Engine control module (DME) (M Versions)
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 (M Versions)
18	E	Coolant temperature sensor (+)	Coolant temperature sensor (M Versions)
19	E	Oil pressure warning lamp control	Oil pressure switch (M Versions) Engine control module (Z3 Versions)
20		Not used	
21	M	Ground (ASC)	Ground point (M Versions)
21	E	ABS warning lamp (ABS)	Slip control module (ABS/ASC) (Z3 Versions)

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
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	
25	E	Fuel consumption signal	Board computer (Z3 Versions)
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 sensor and vehicle speed sensor	Fuel tank sensor and vehicle speed sensor
4	E	Position signal (TW)	Vehicle speed sensor
5		Not used	
6	E	A/C-ON-signal	Air condition switch (Z3 Versions)
7	E	Activate A/C	Pressure switch, normal speed relay (Z3 Versions)
8		Not used	
9	E	Oil level signal	Thermal oil level sensor (TOENS) control module (Z3 Versions)
10		Not used	
11		Not used	
12		Not used	

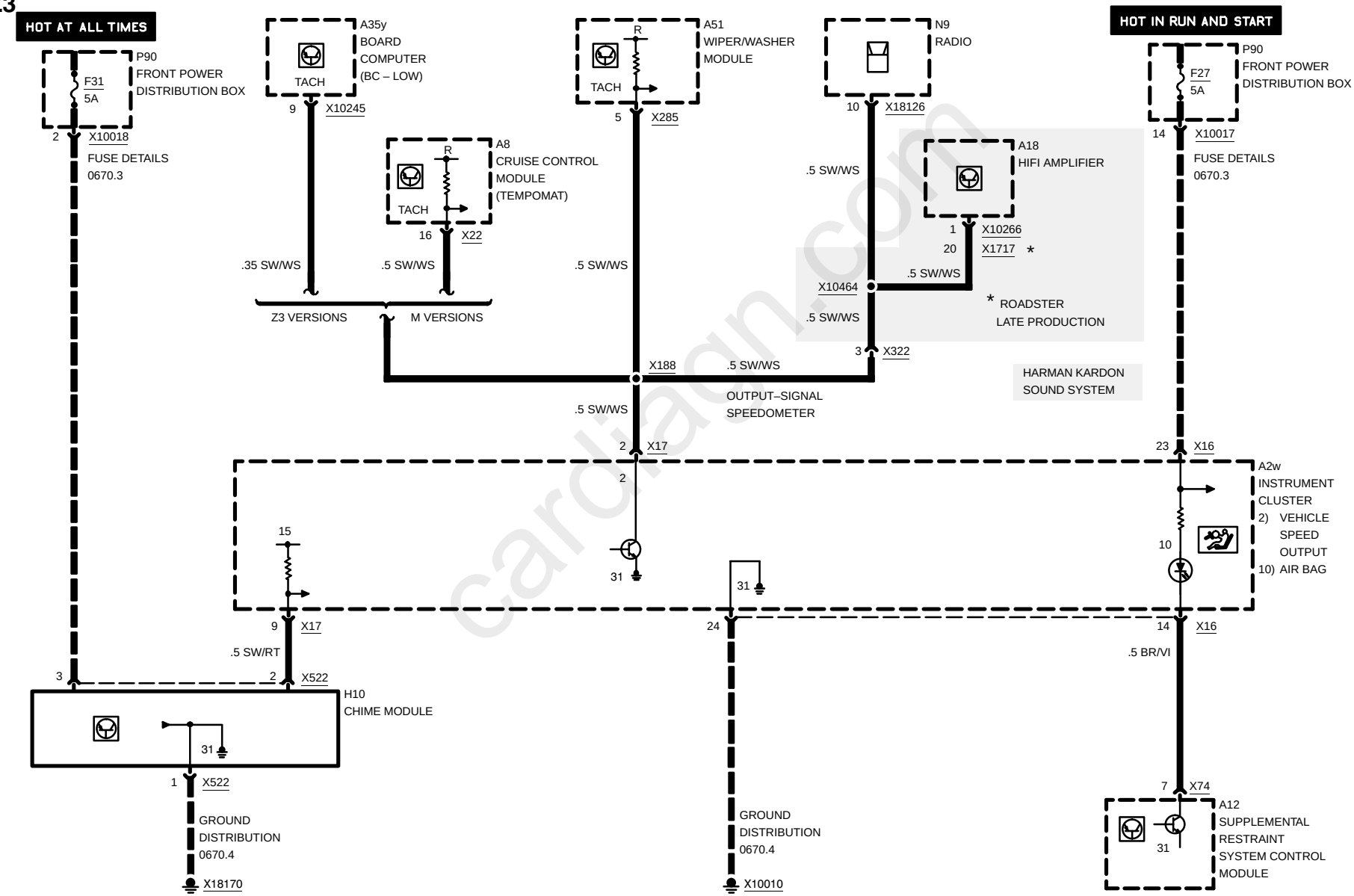
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E = Input, A = Output, M = Ground

INSTRUMENT CLUSTER

INDICATORS

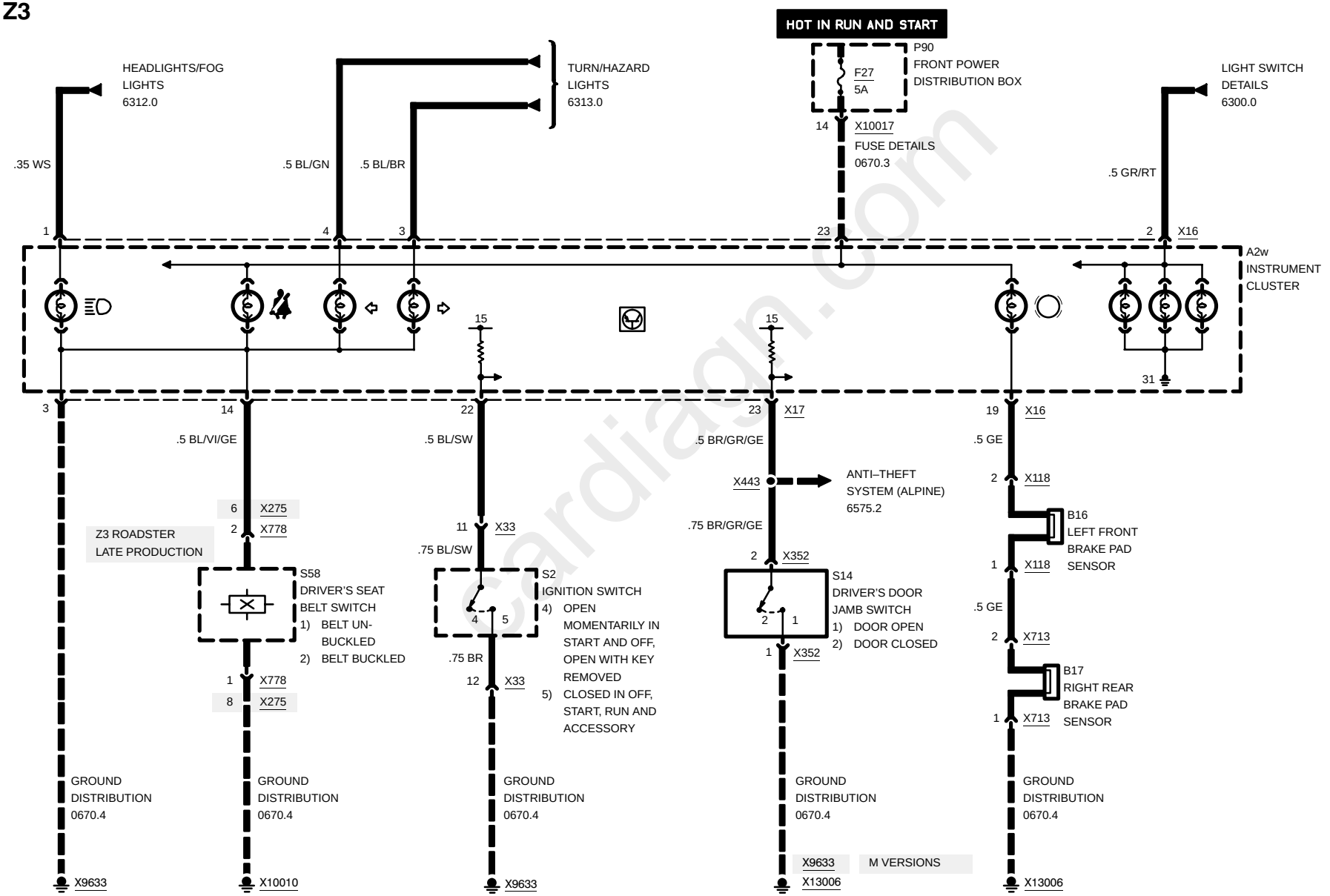
Z3



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INSTRUMENT CLUSTER

INDICATORS

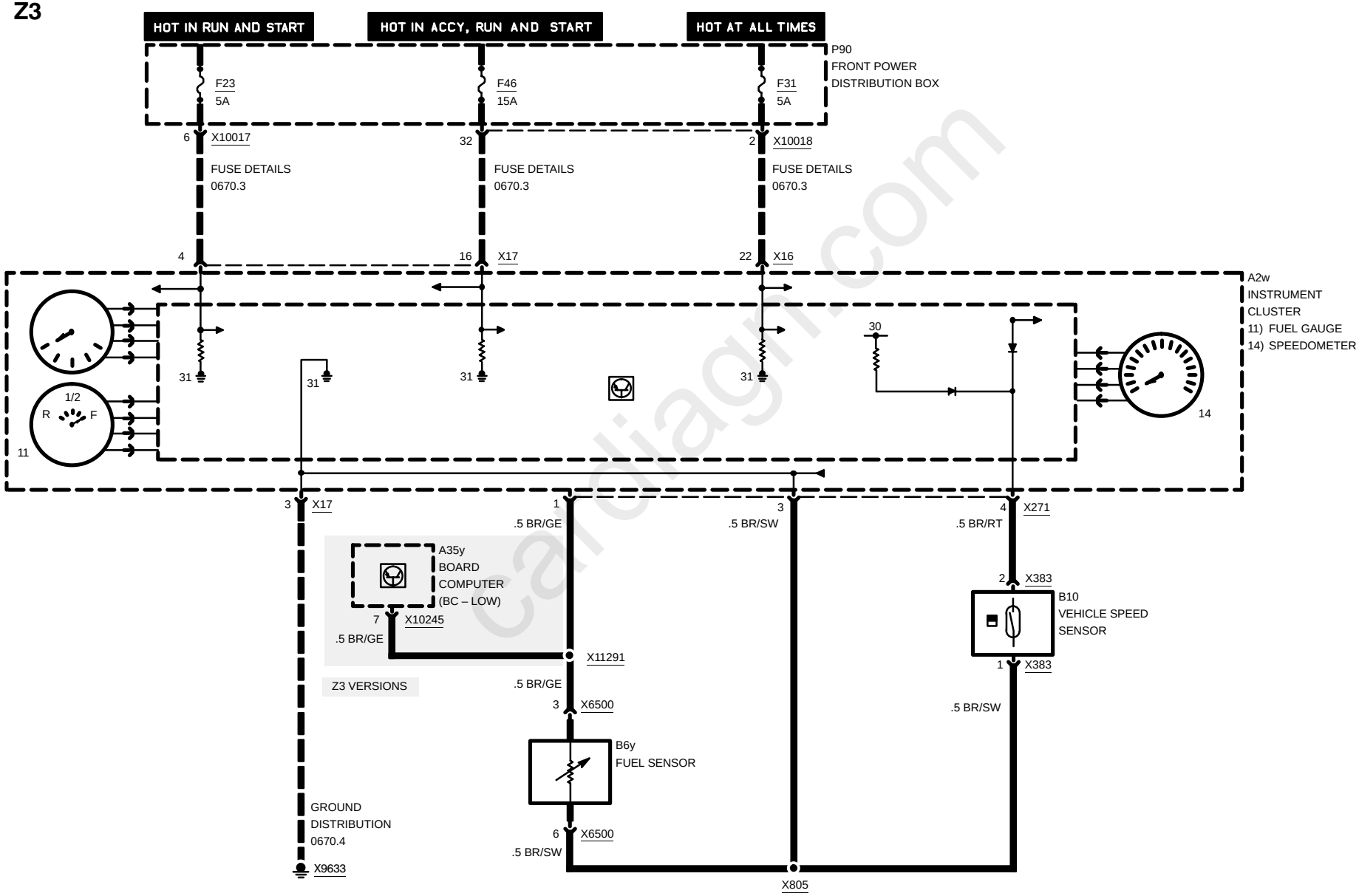


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INSTRUMENT CLUSTER

INDICATORS

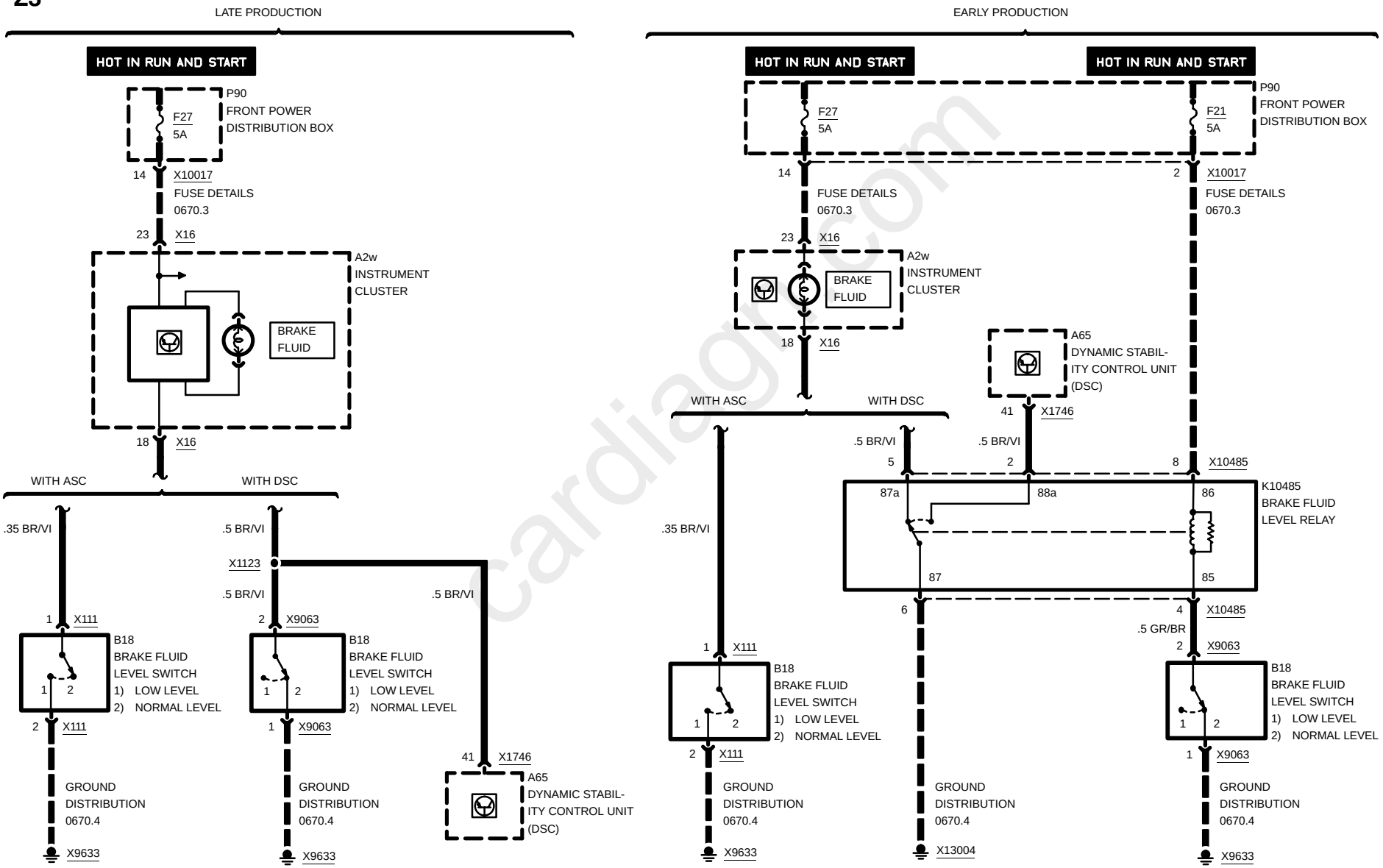
Z3



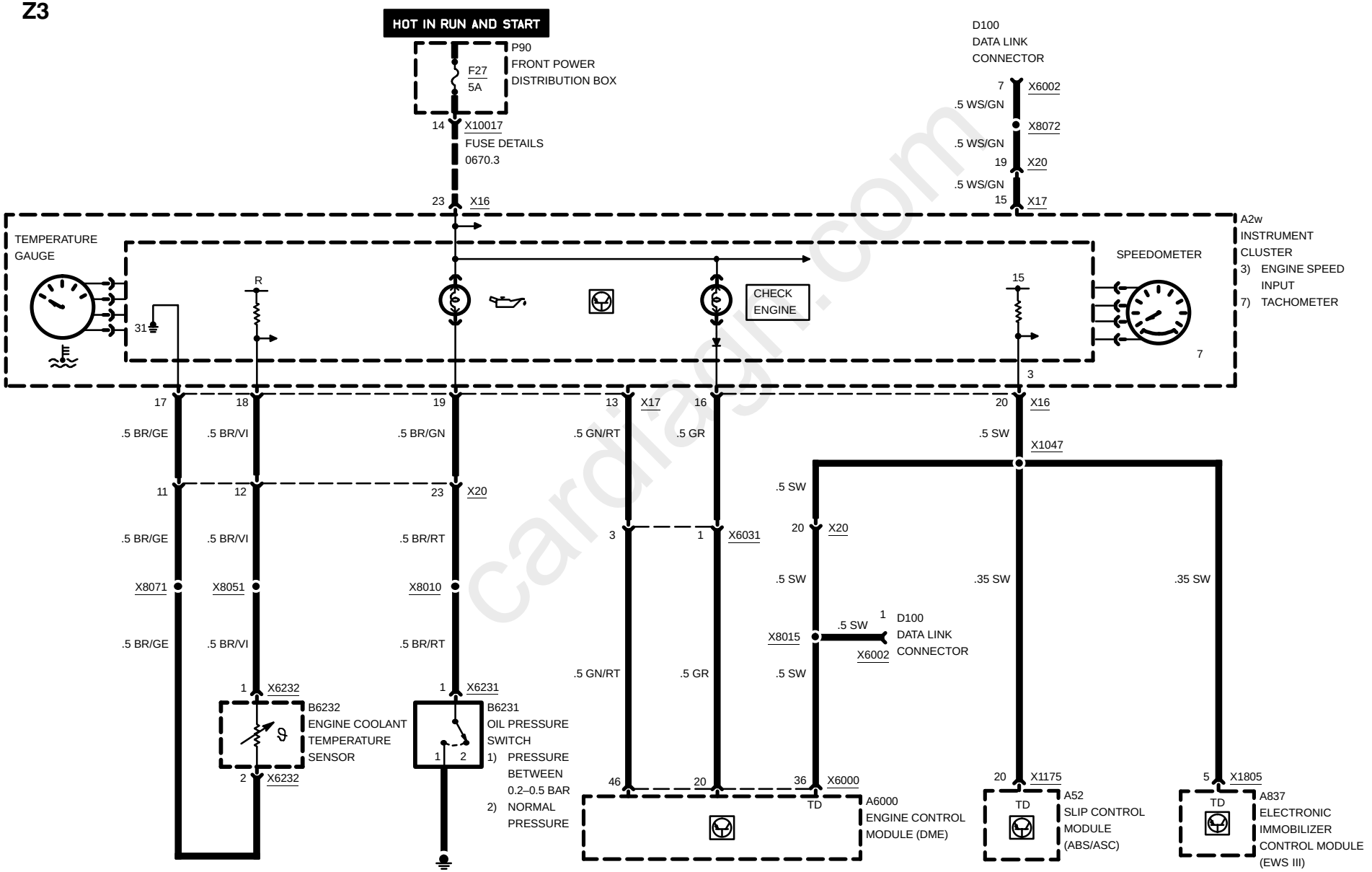
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INSTRUMENT CLUSTER

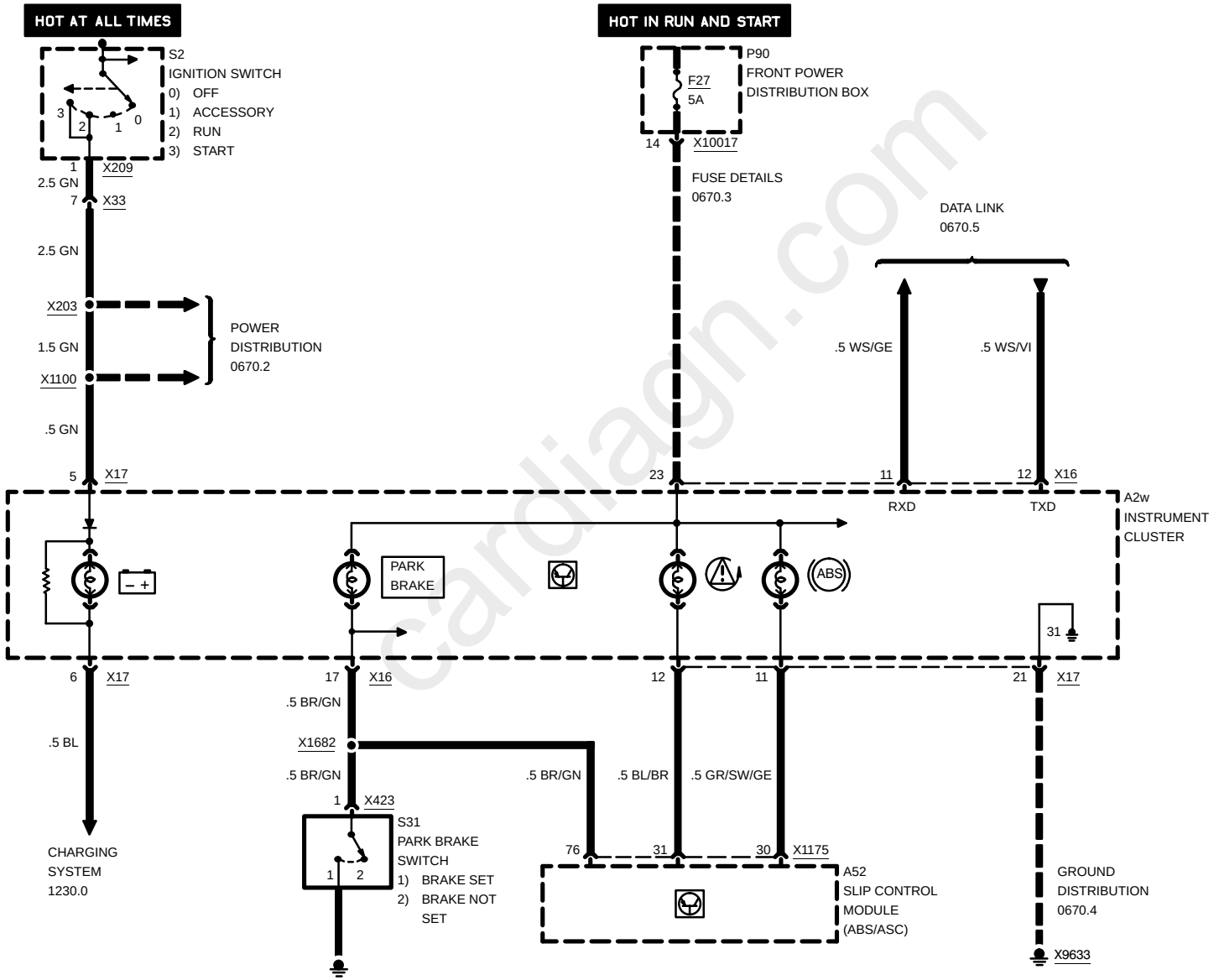
BMW 3 Z3



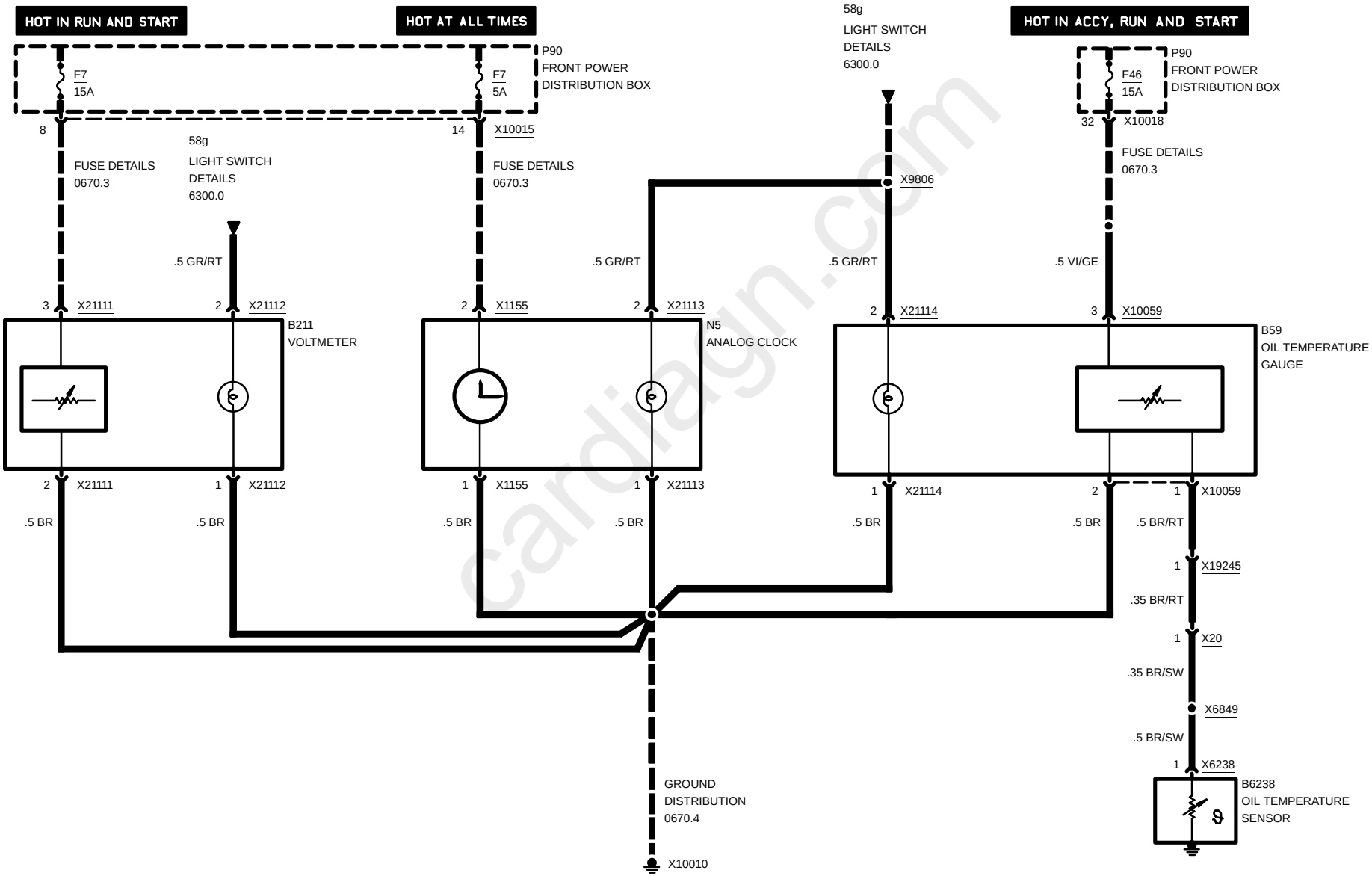
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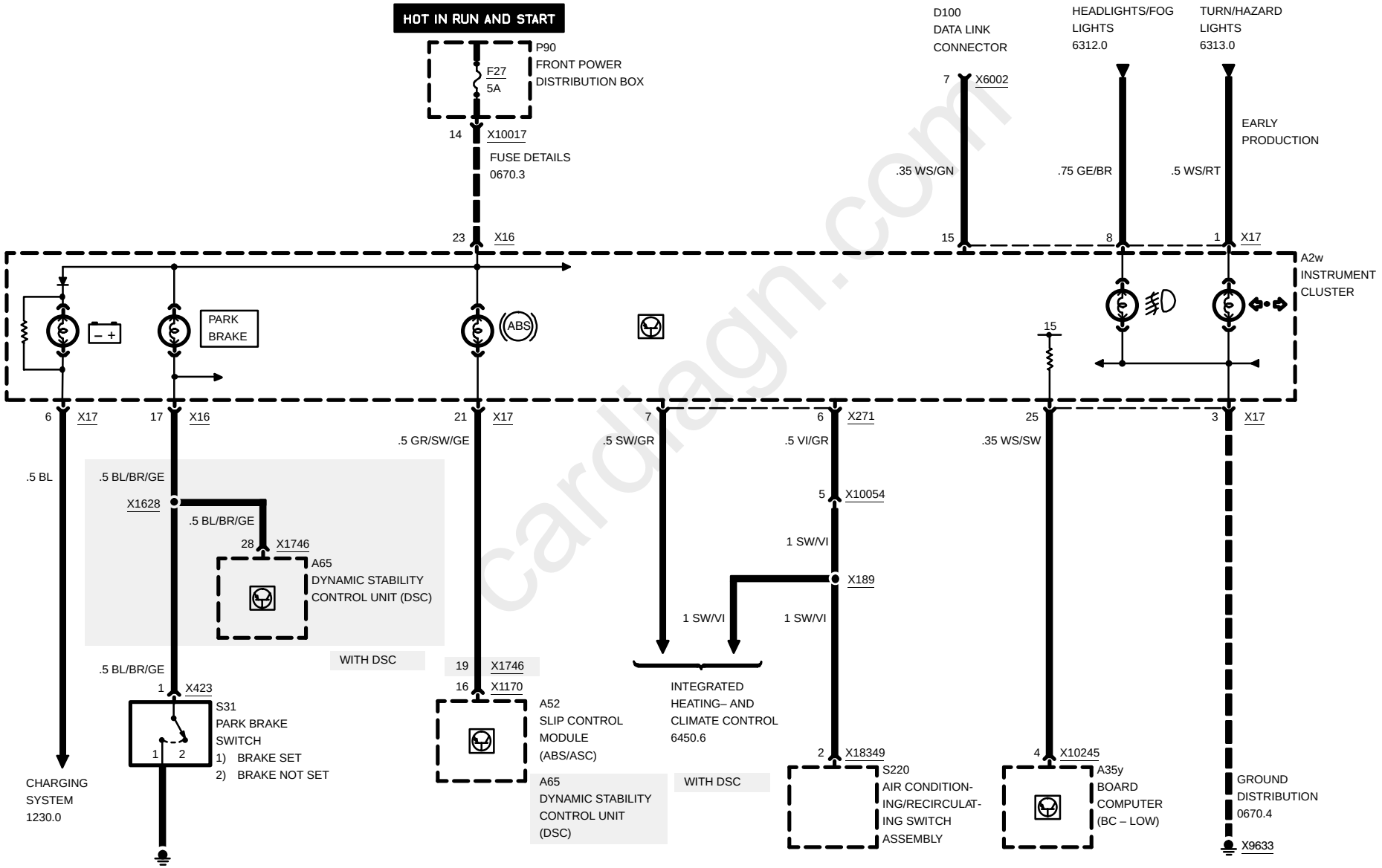
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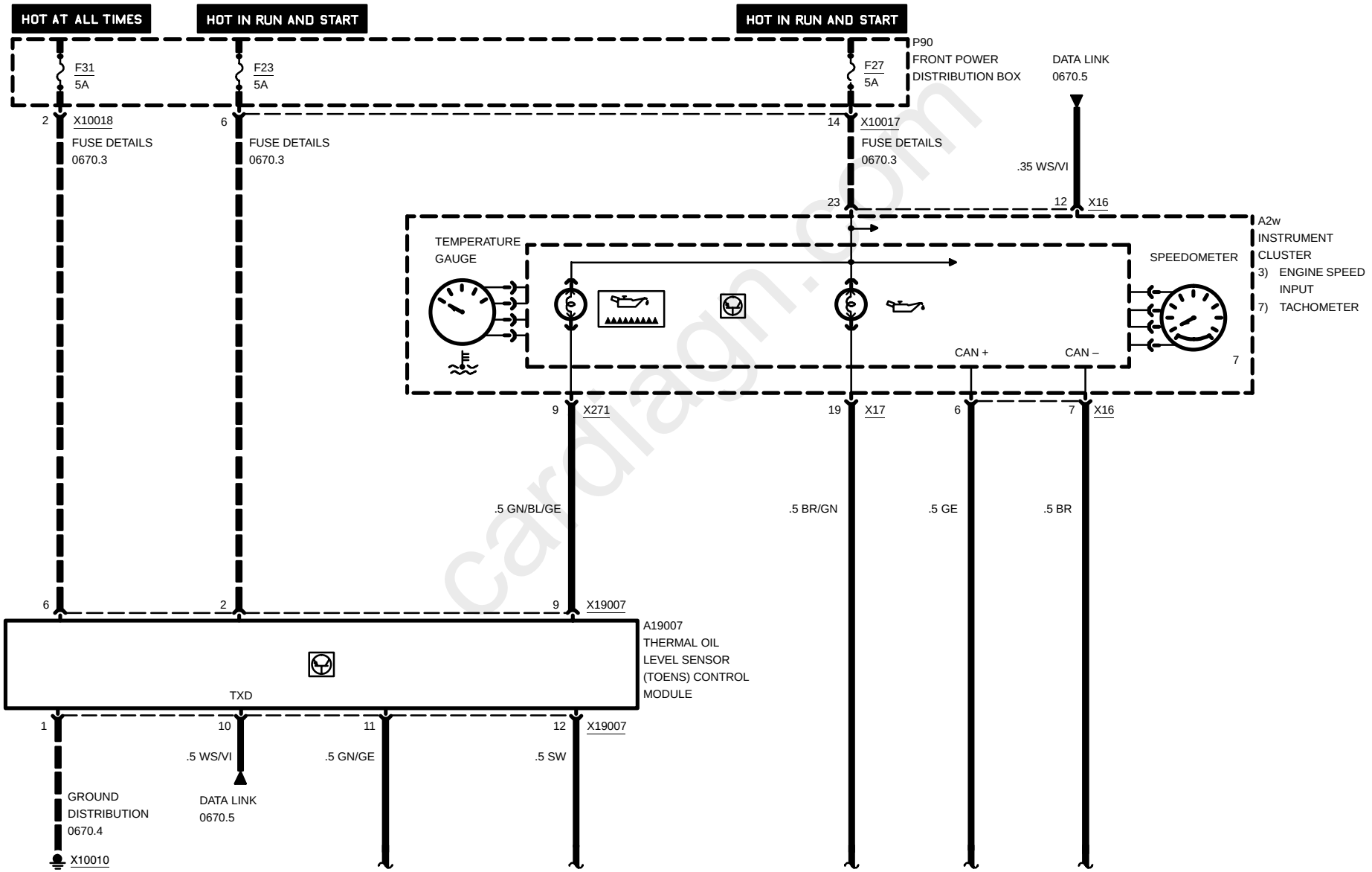


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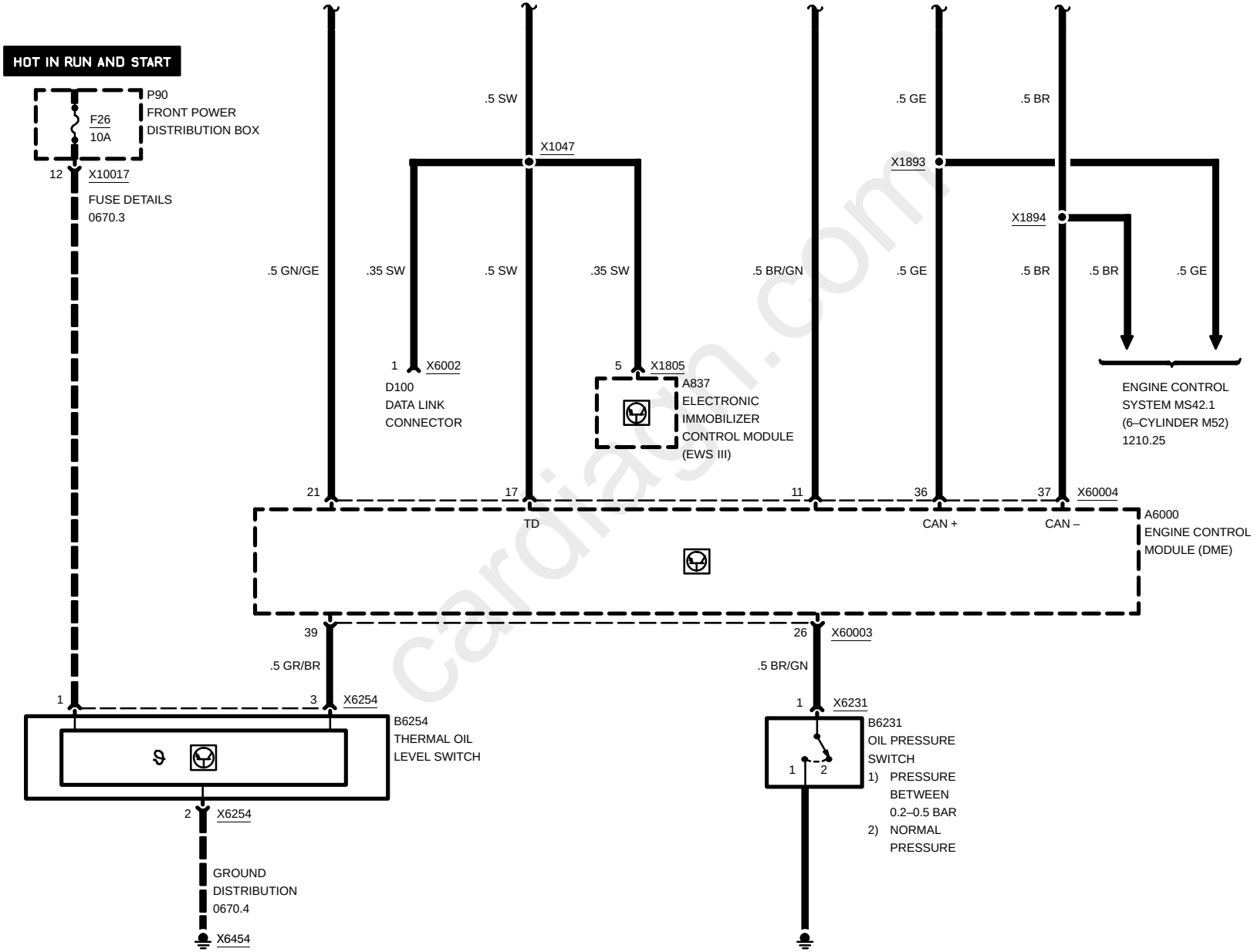
INSTRUMENT CLUSTER

INDICATORS

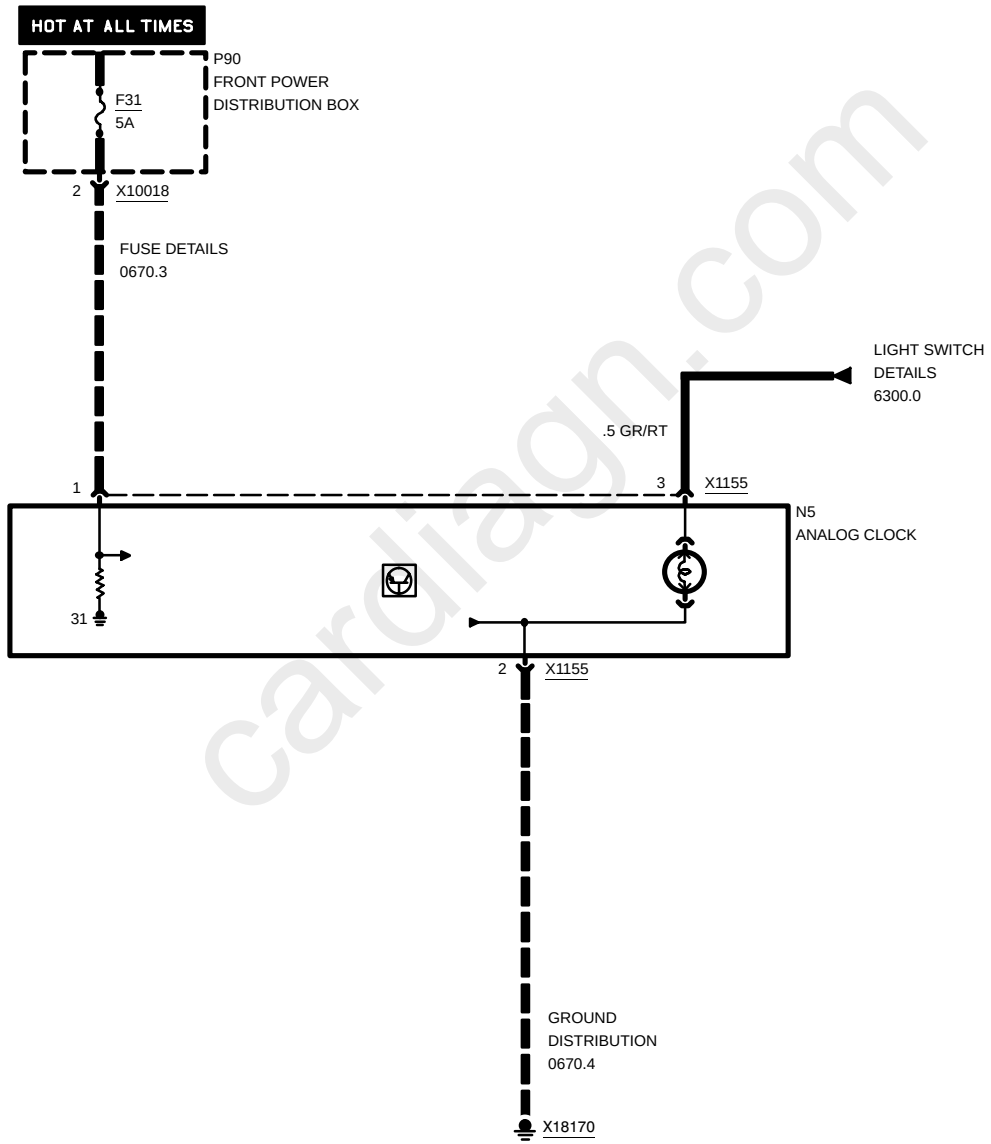
Z3 VERSIONS



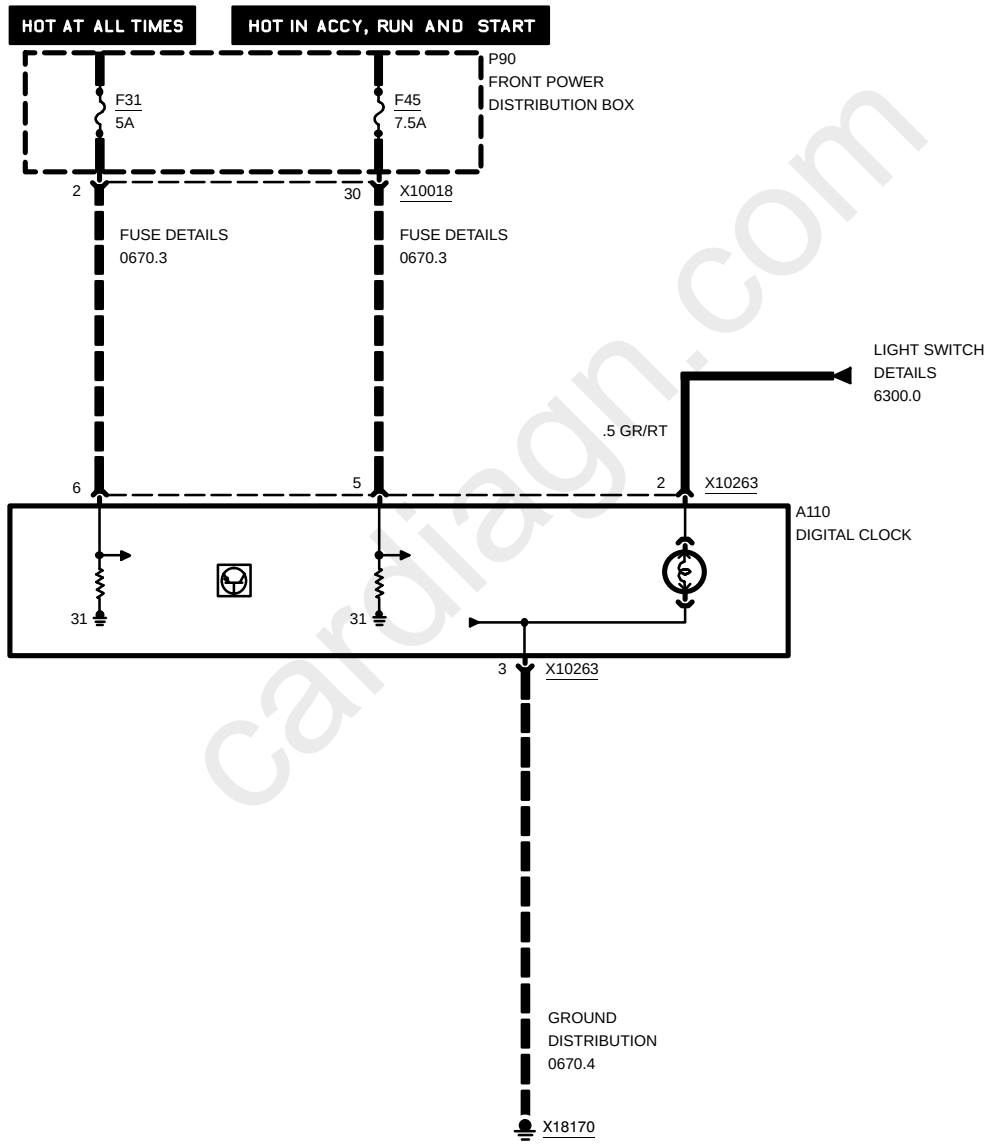
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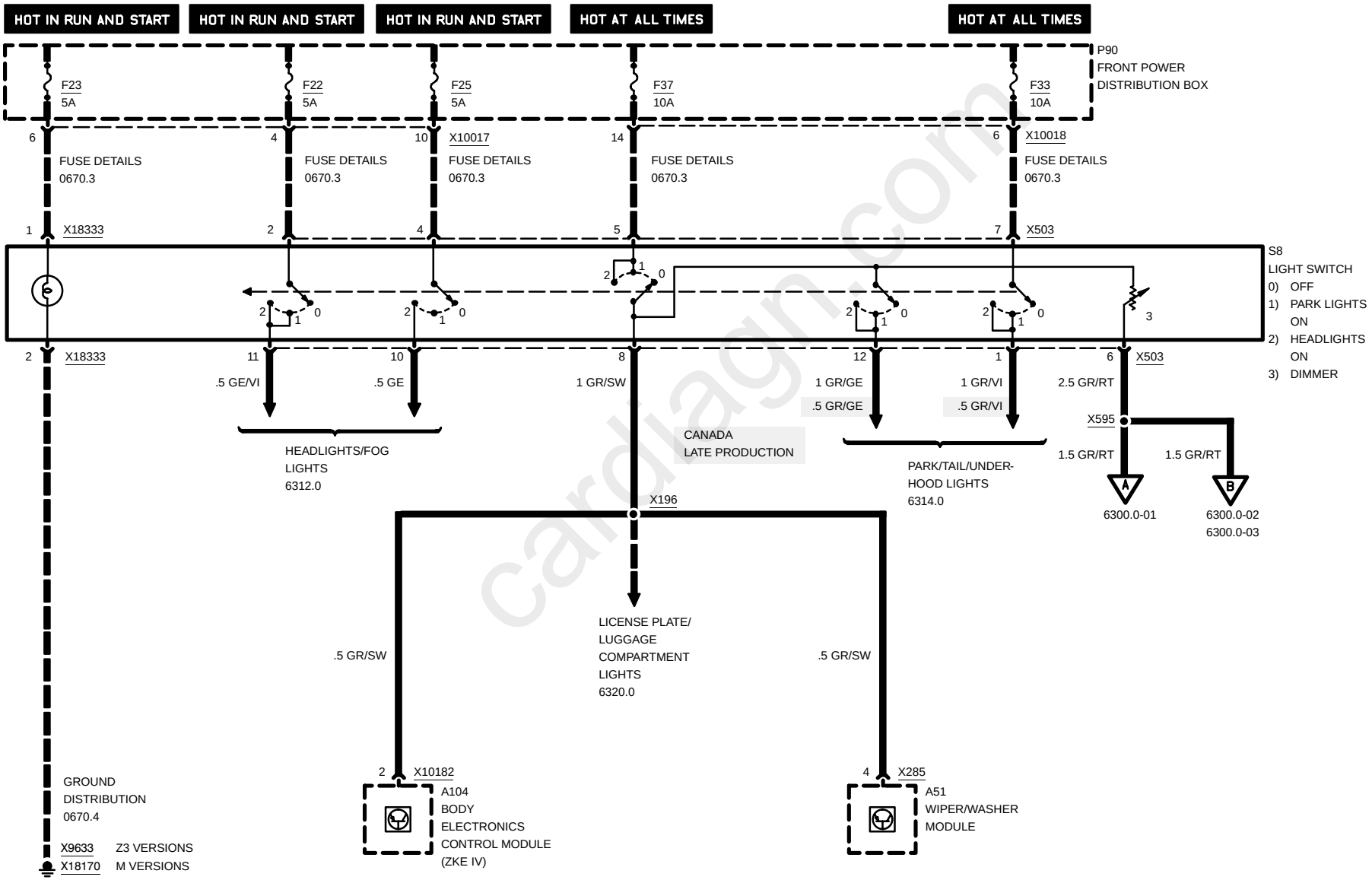
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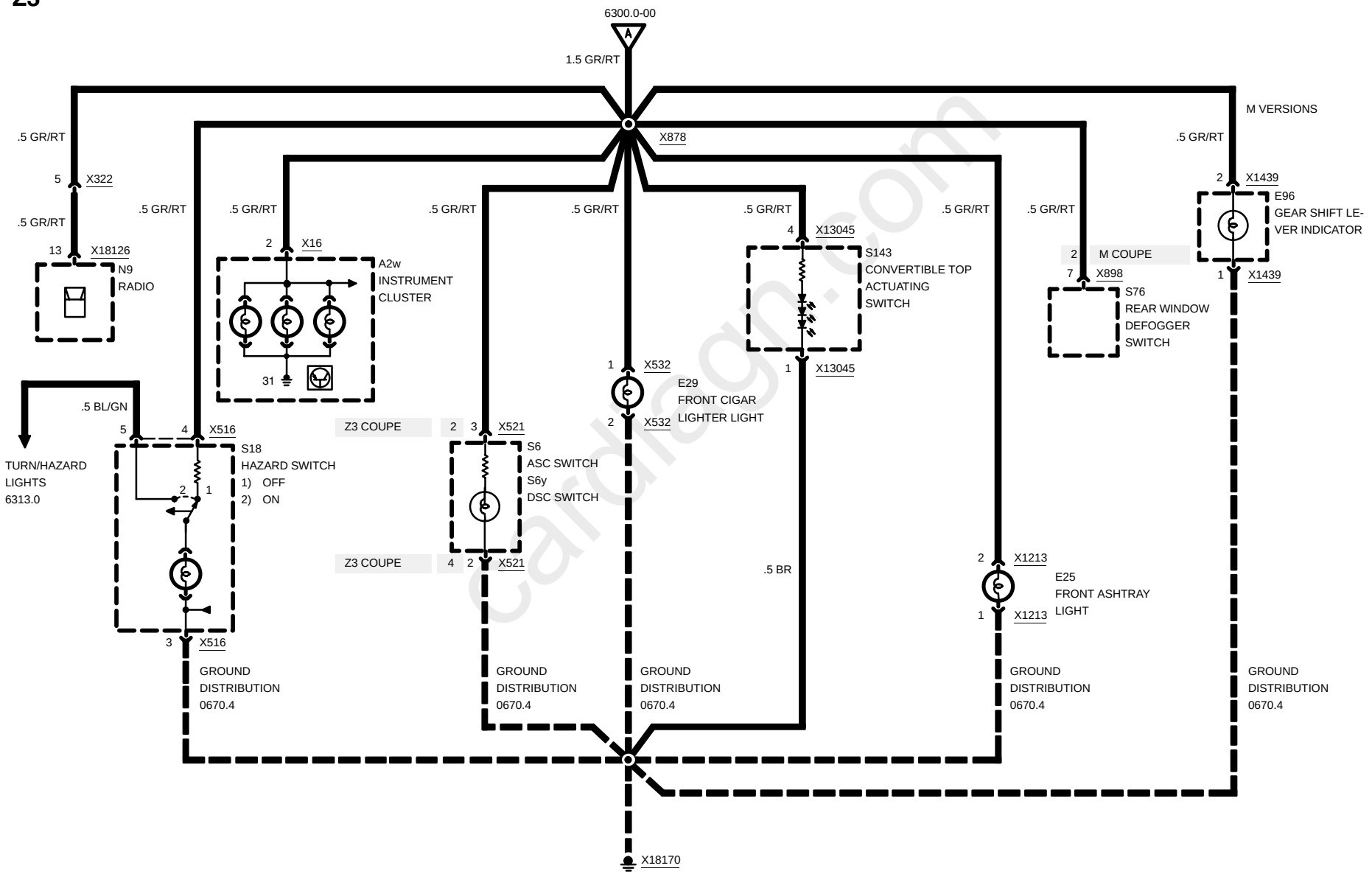
6300.0 LIGHT SWITCH DETAILS

BMW 3 Z3



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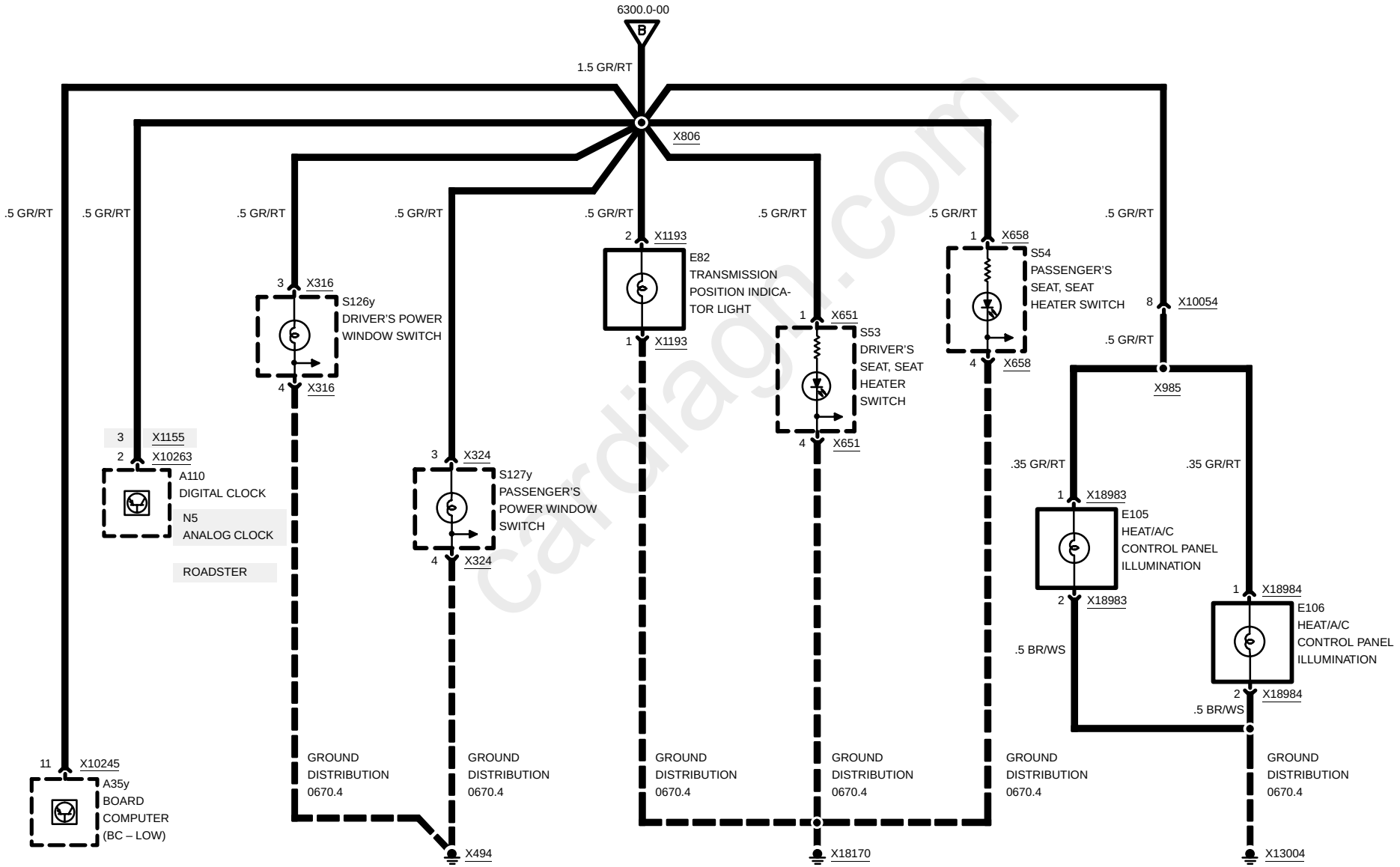
LIGHT SWITCH DETAILS



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LIGHT SWITCH DETAILS

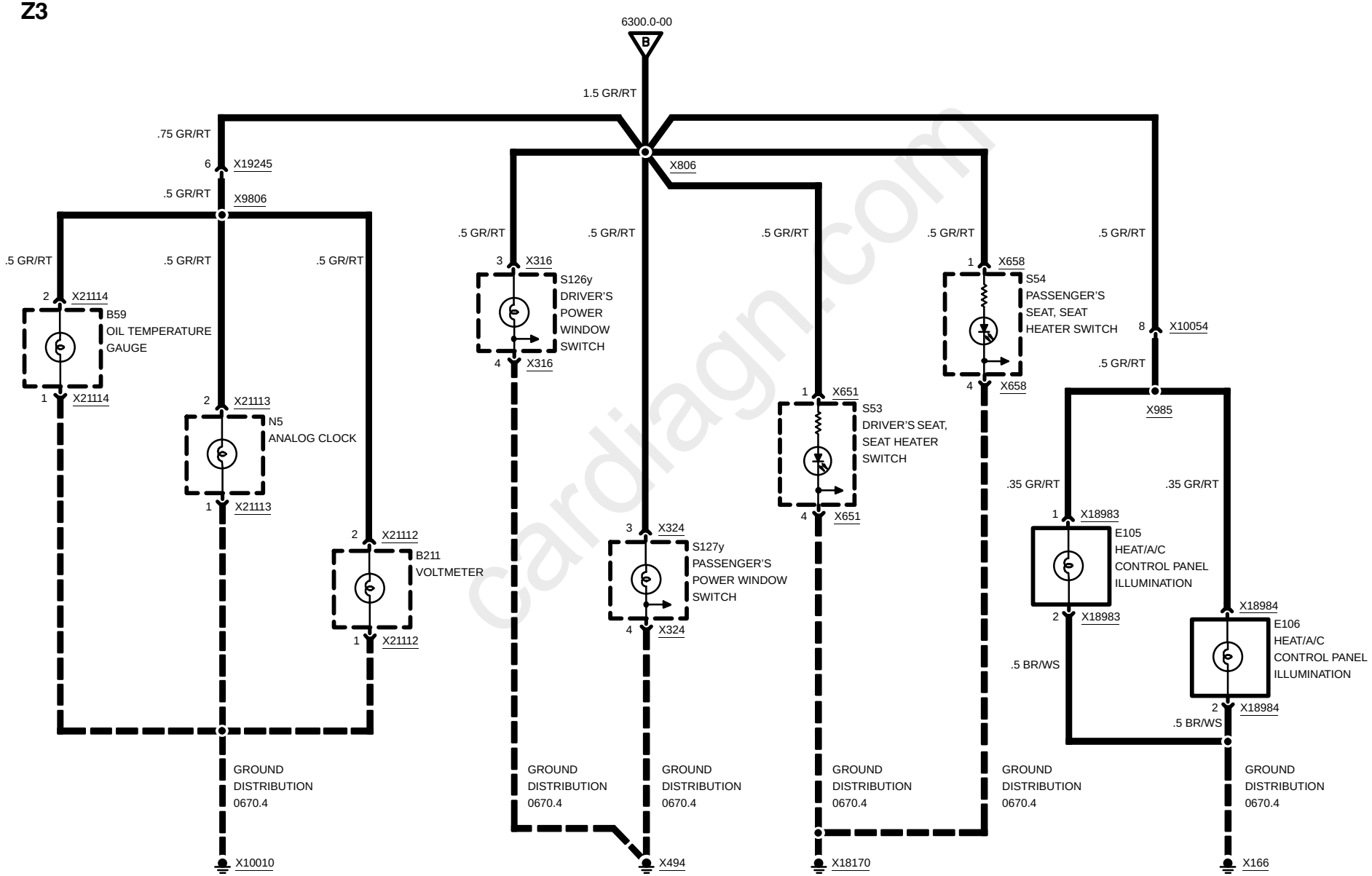
Z3 VERSIONS



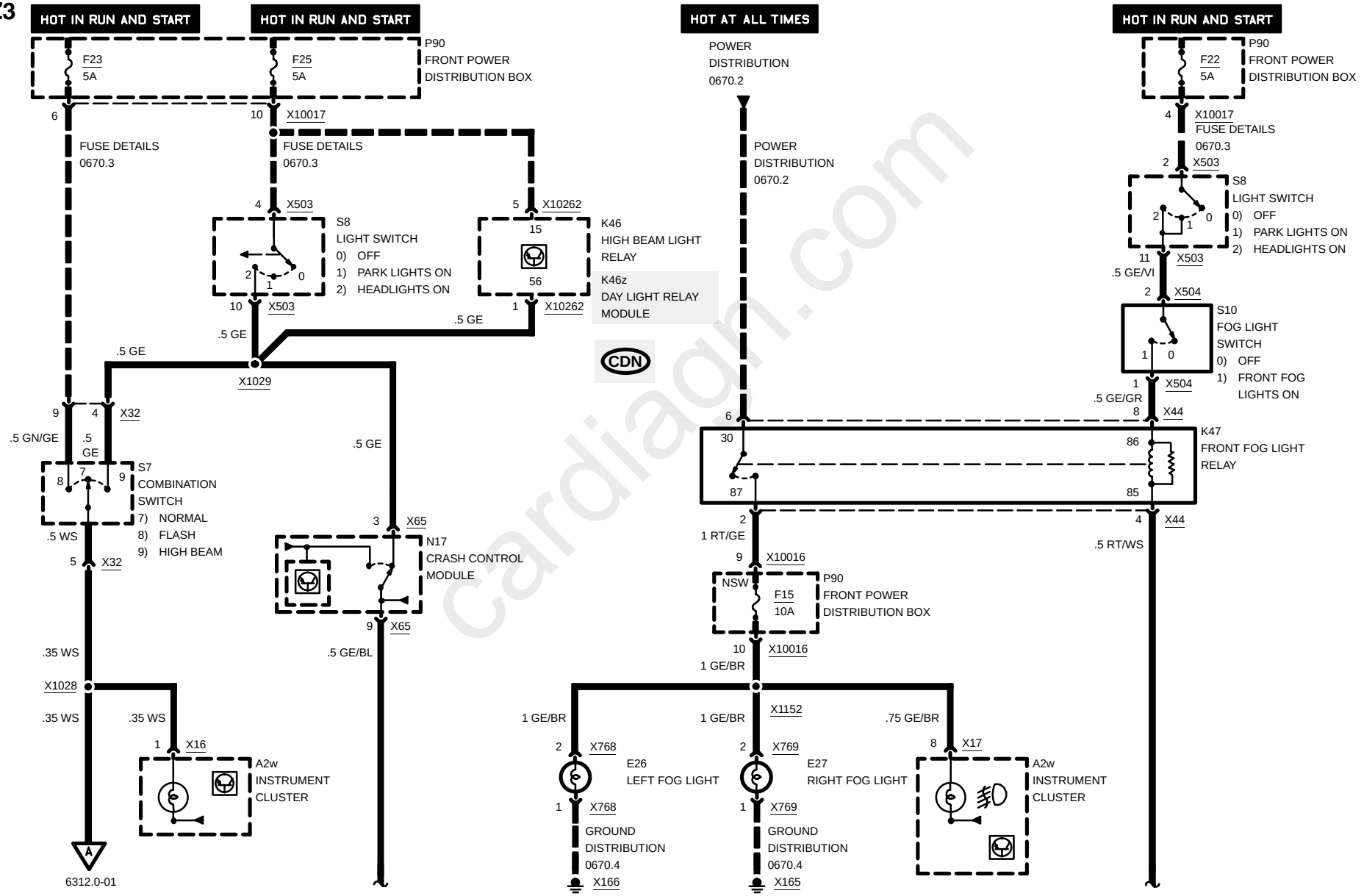
cardiagn.com

LIGHT SWITCH DETAILS

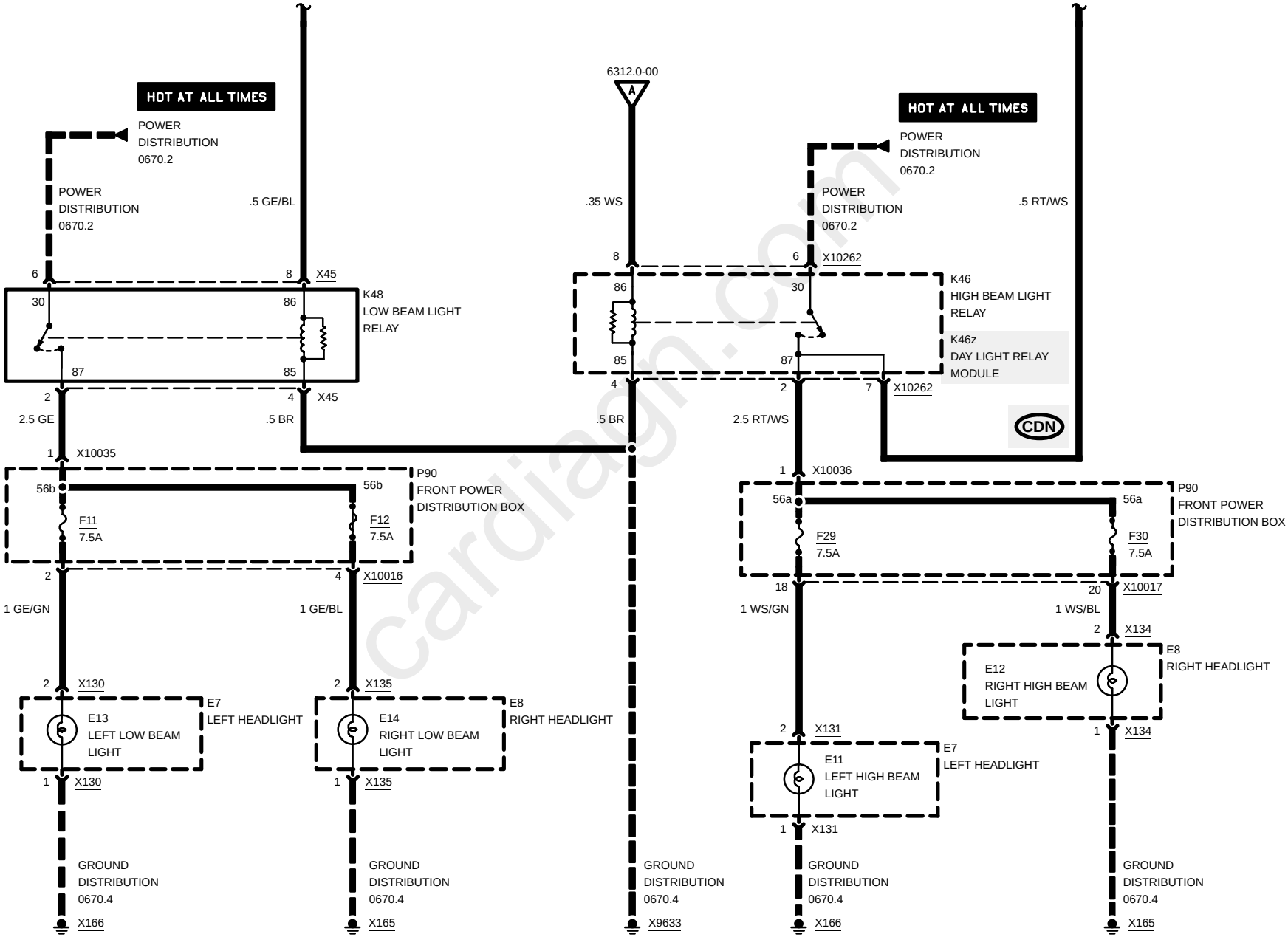
M VERSIONS



cardiagn.com



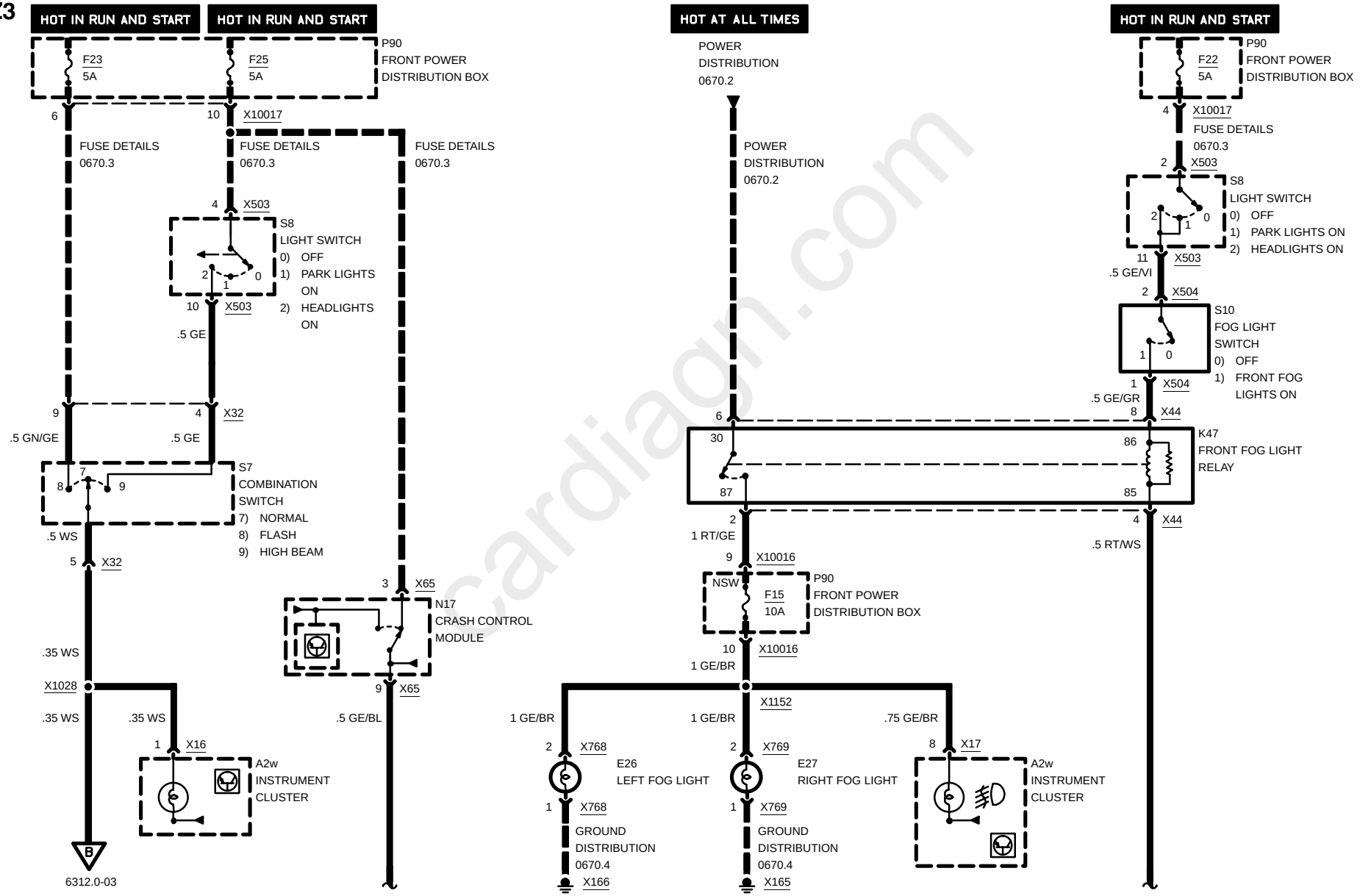
cardiagn.com



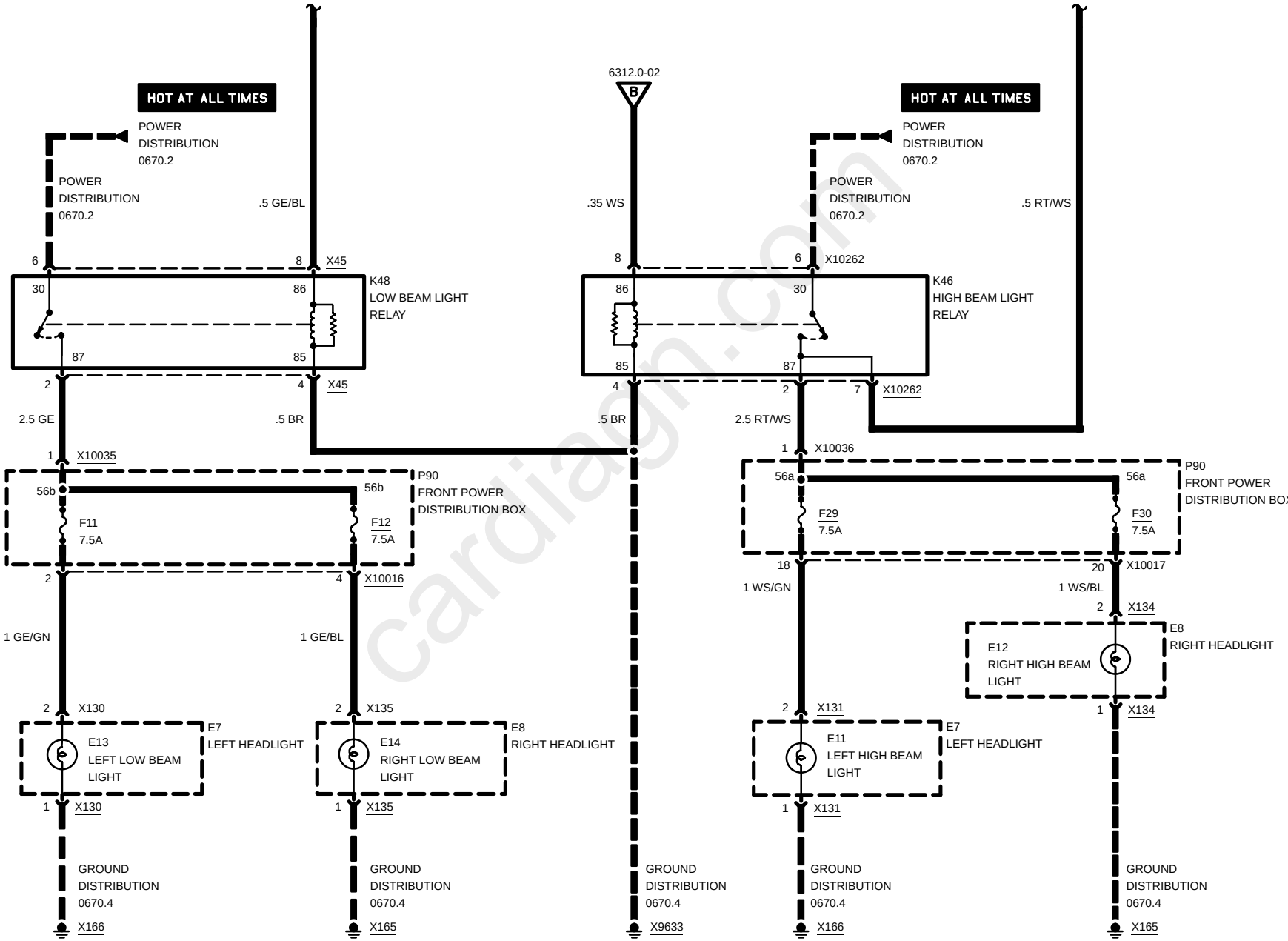
cardiagn.com

HEADLIGHTS/FOG LIGHTS

CANADA LATE PRODUCTION

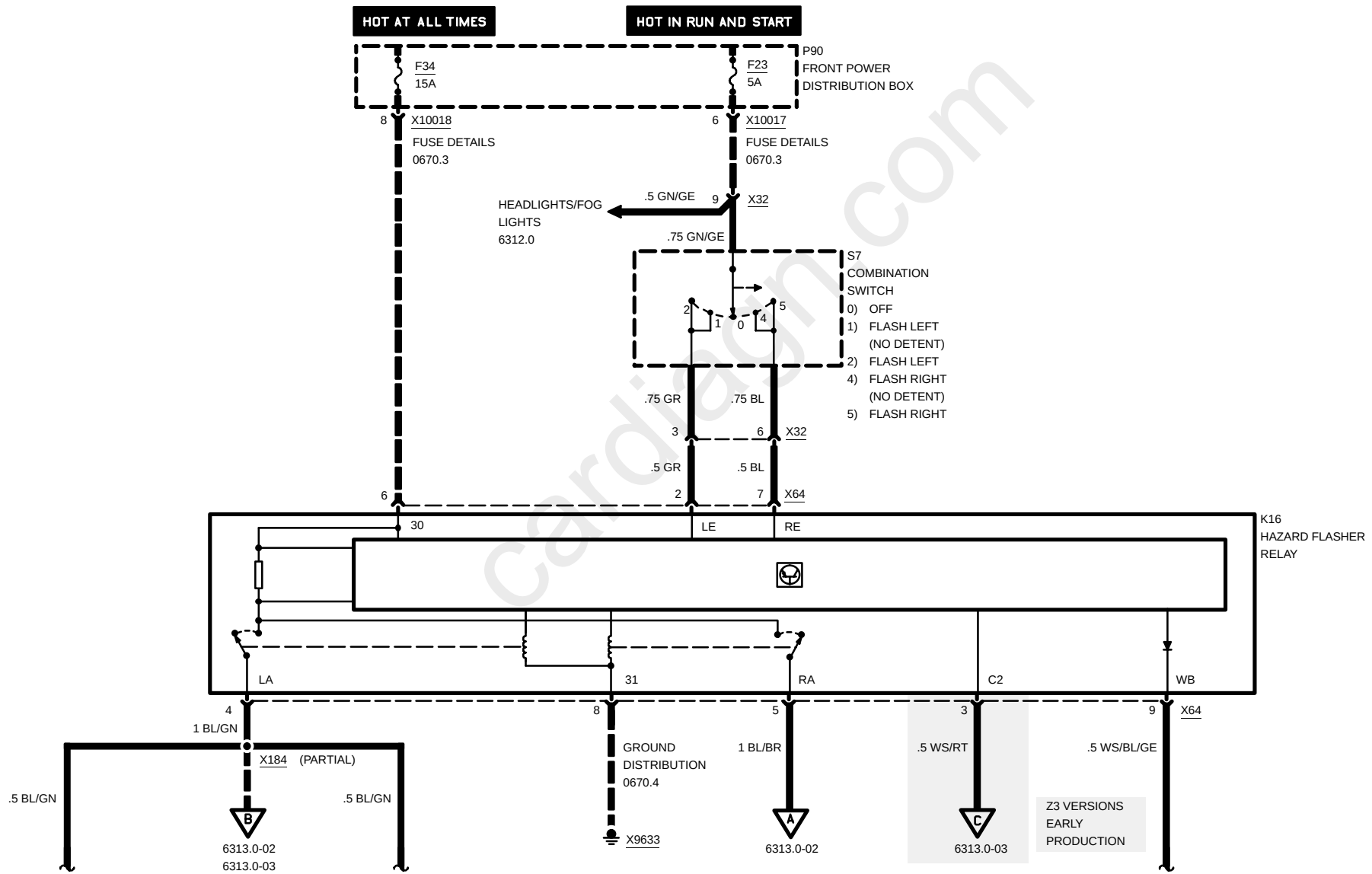


carsdiagn.com

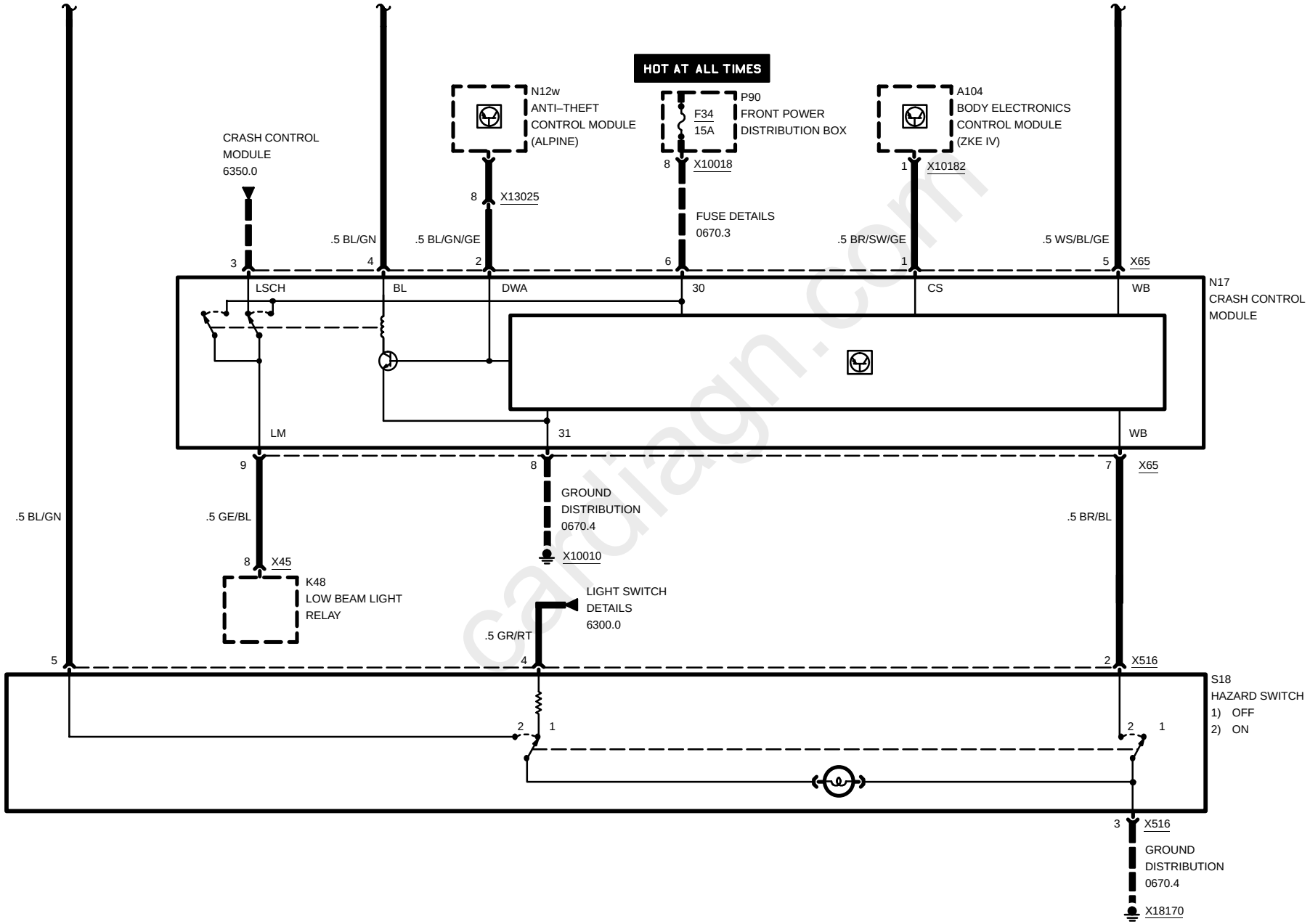


cardiagn.com

6313.0 TURN/HAZARD LIGHTS

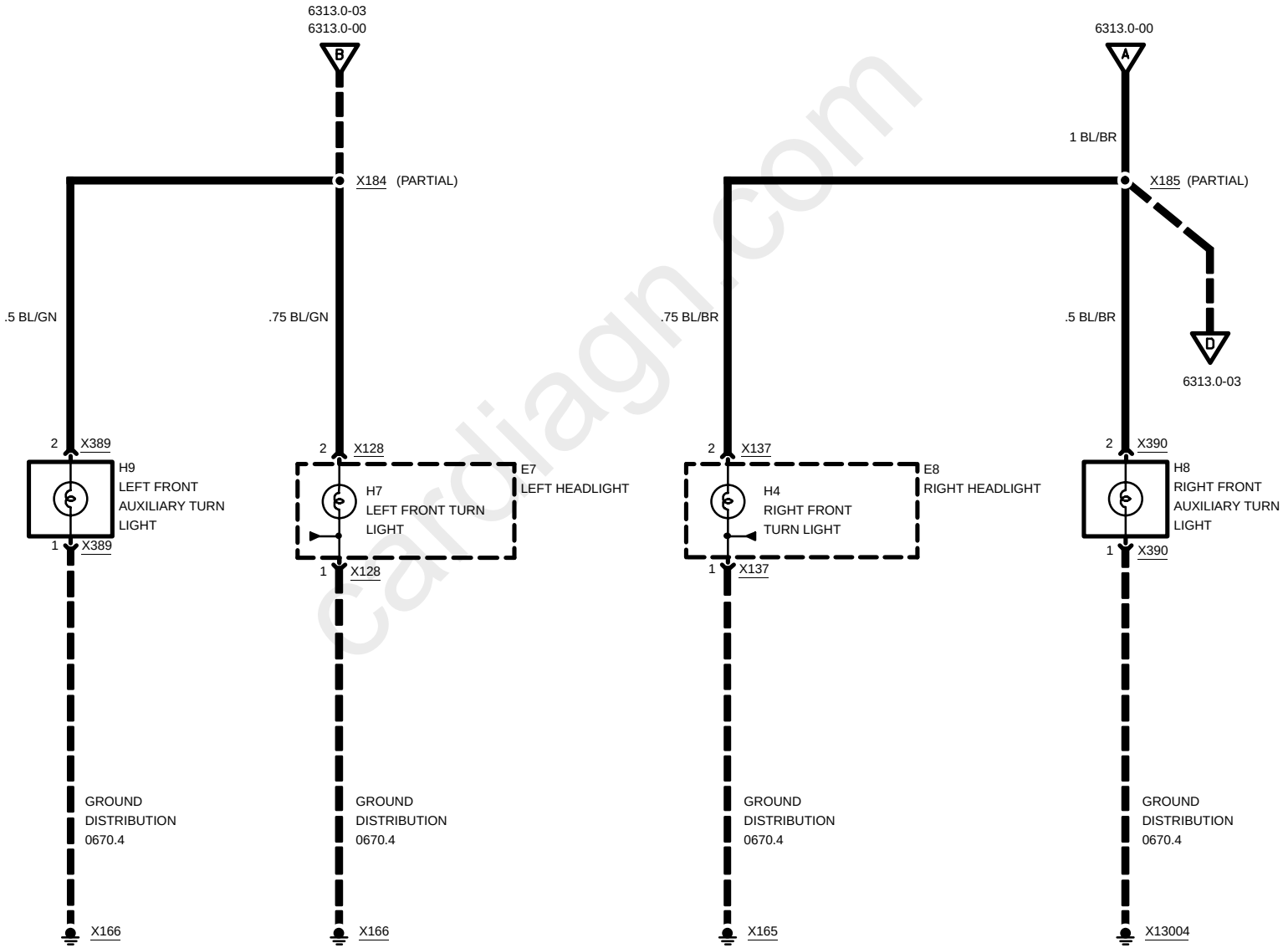


cardiagn.com



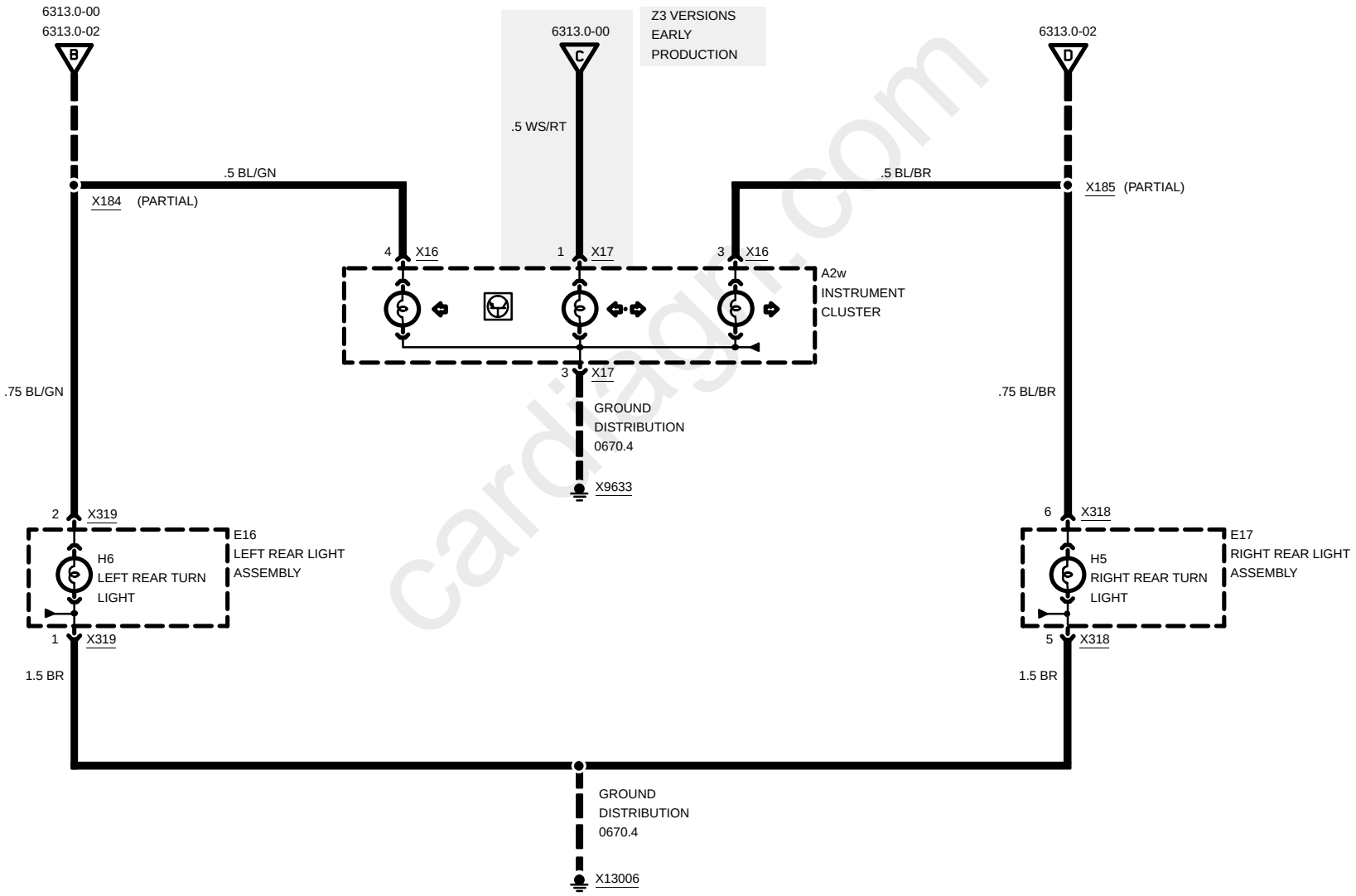
carDiagn.com

TURN/HAZARD LIGHTS



cardiagn.com

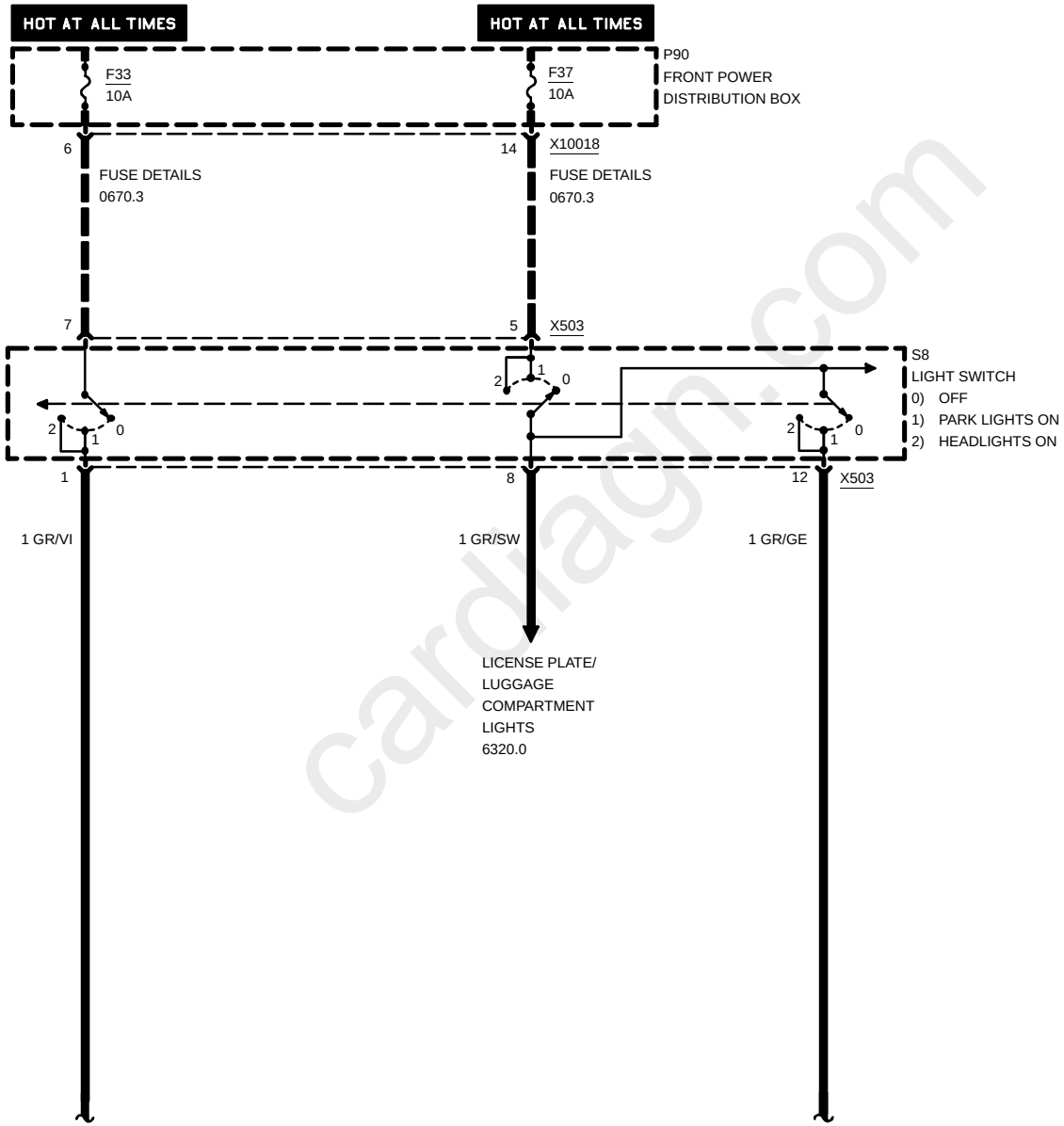
TURN/HAZARD LIGHTS



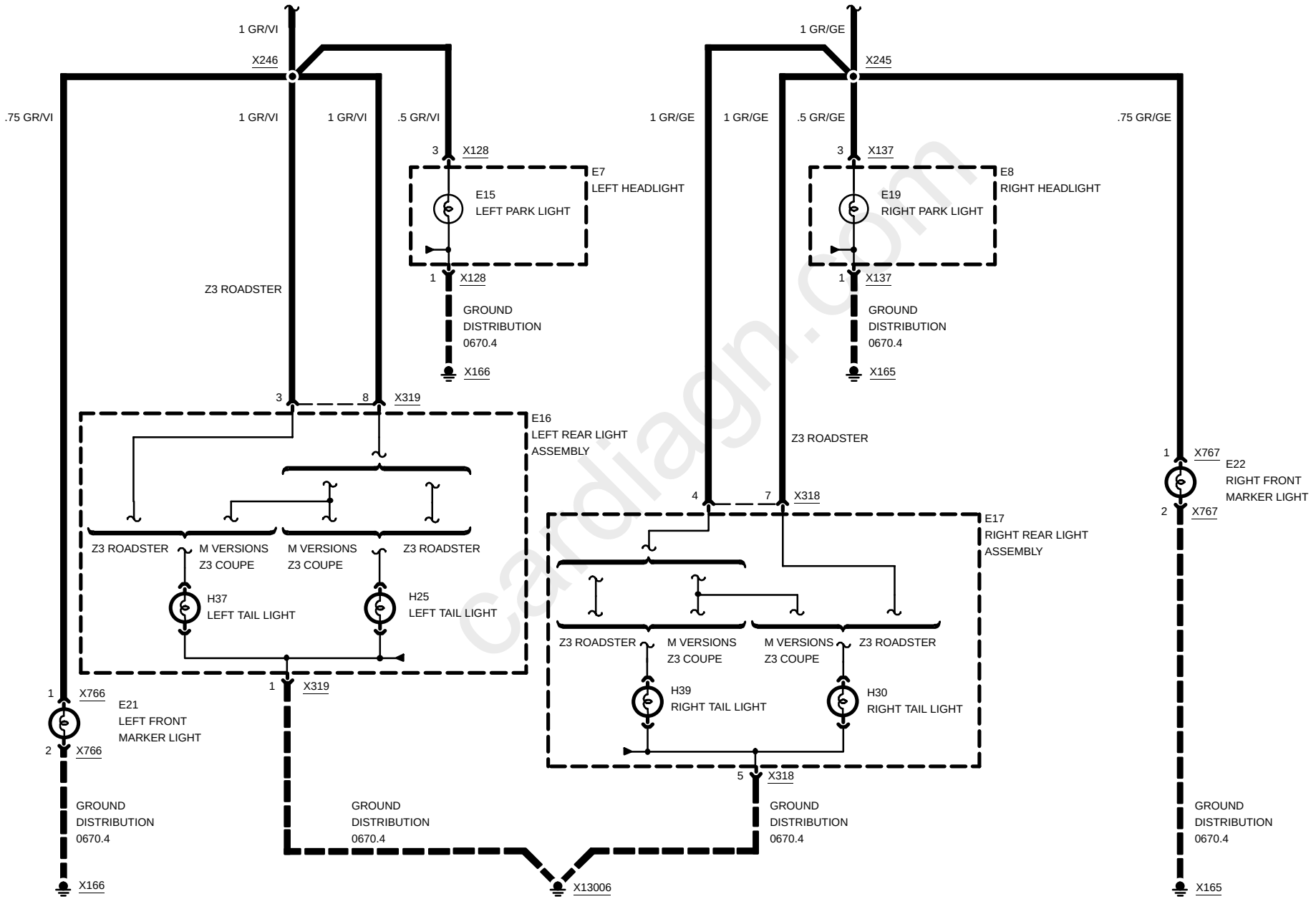
cardiagn.com

6314.0 PARK/TAIL/UNDERHOOD LIGHTS

USA AND CANADA EARLY PRODUCTION



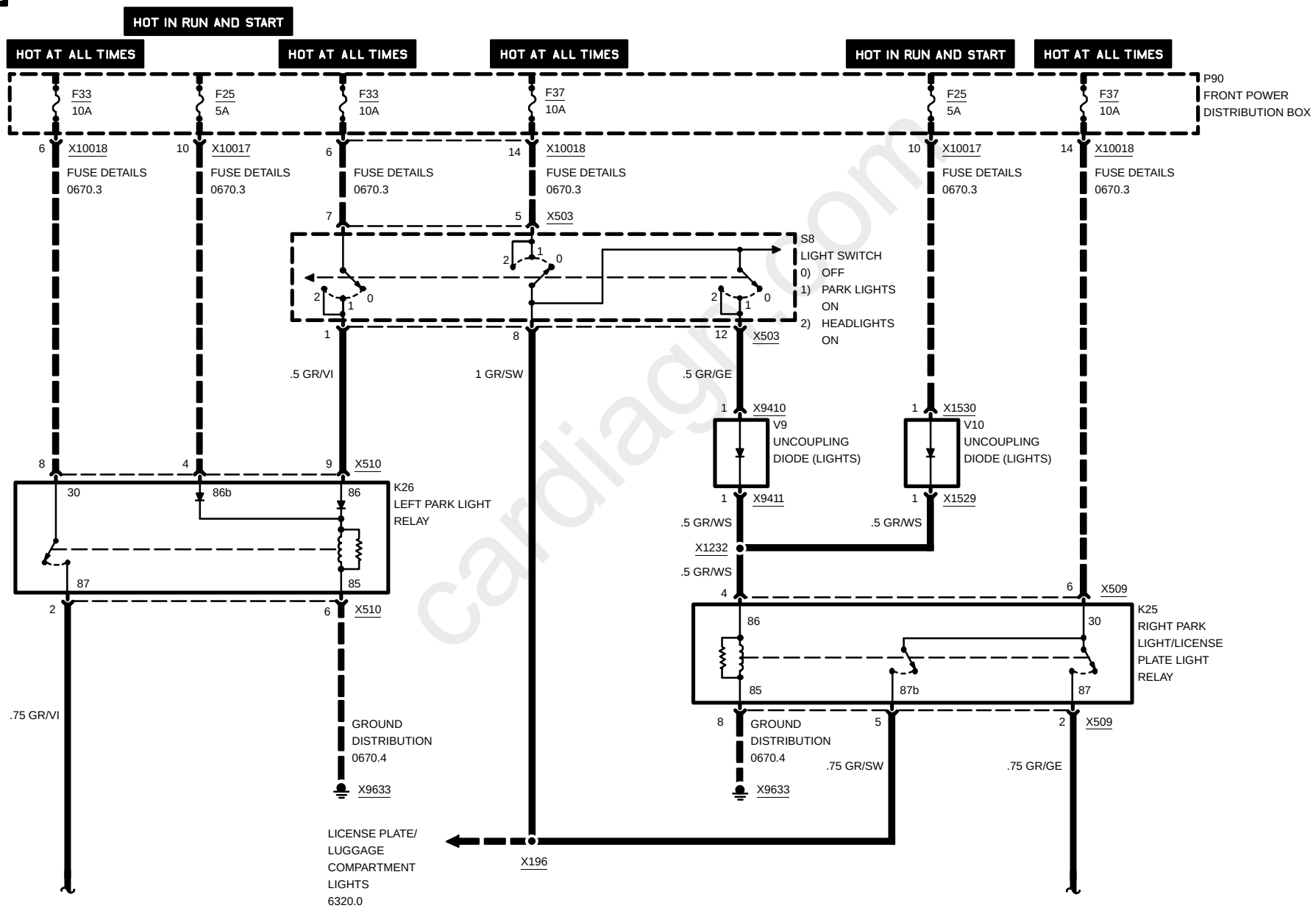
cardiagn.com



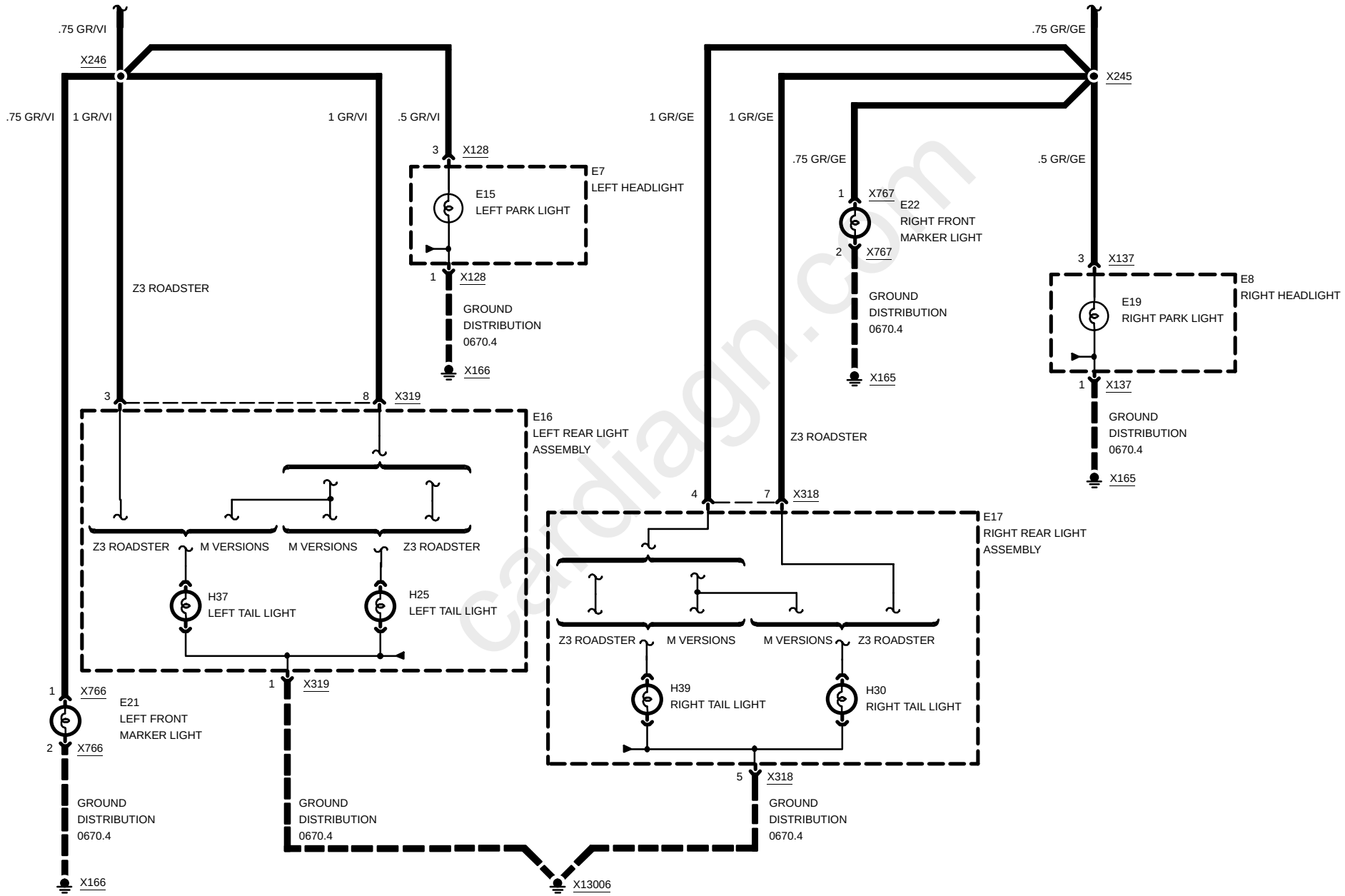
cardiagn.com

PARK/TAIL/UNDERHOOD LIGHTS

CANADA LATE PRODUCTION



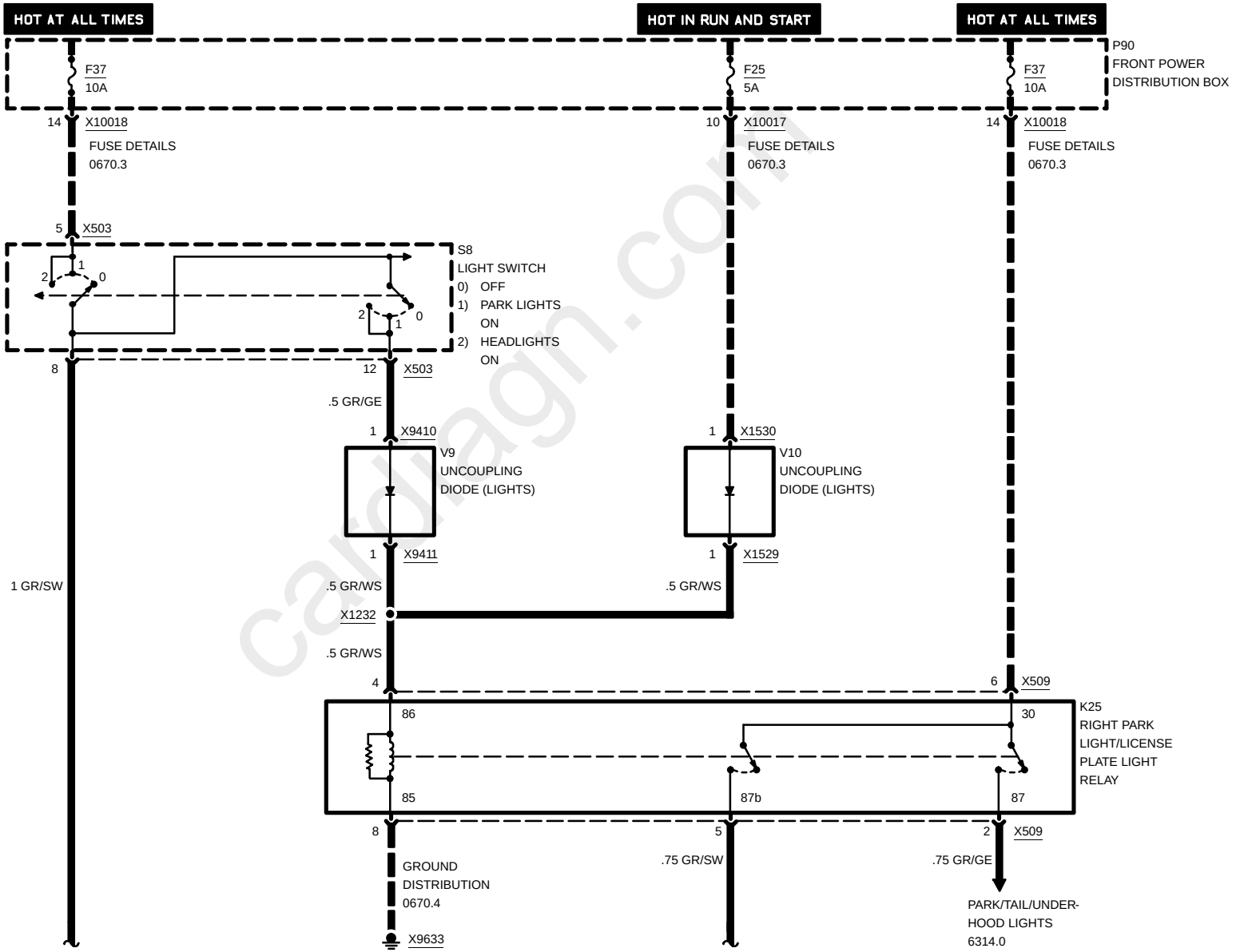
cardiagn.com



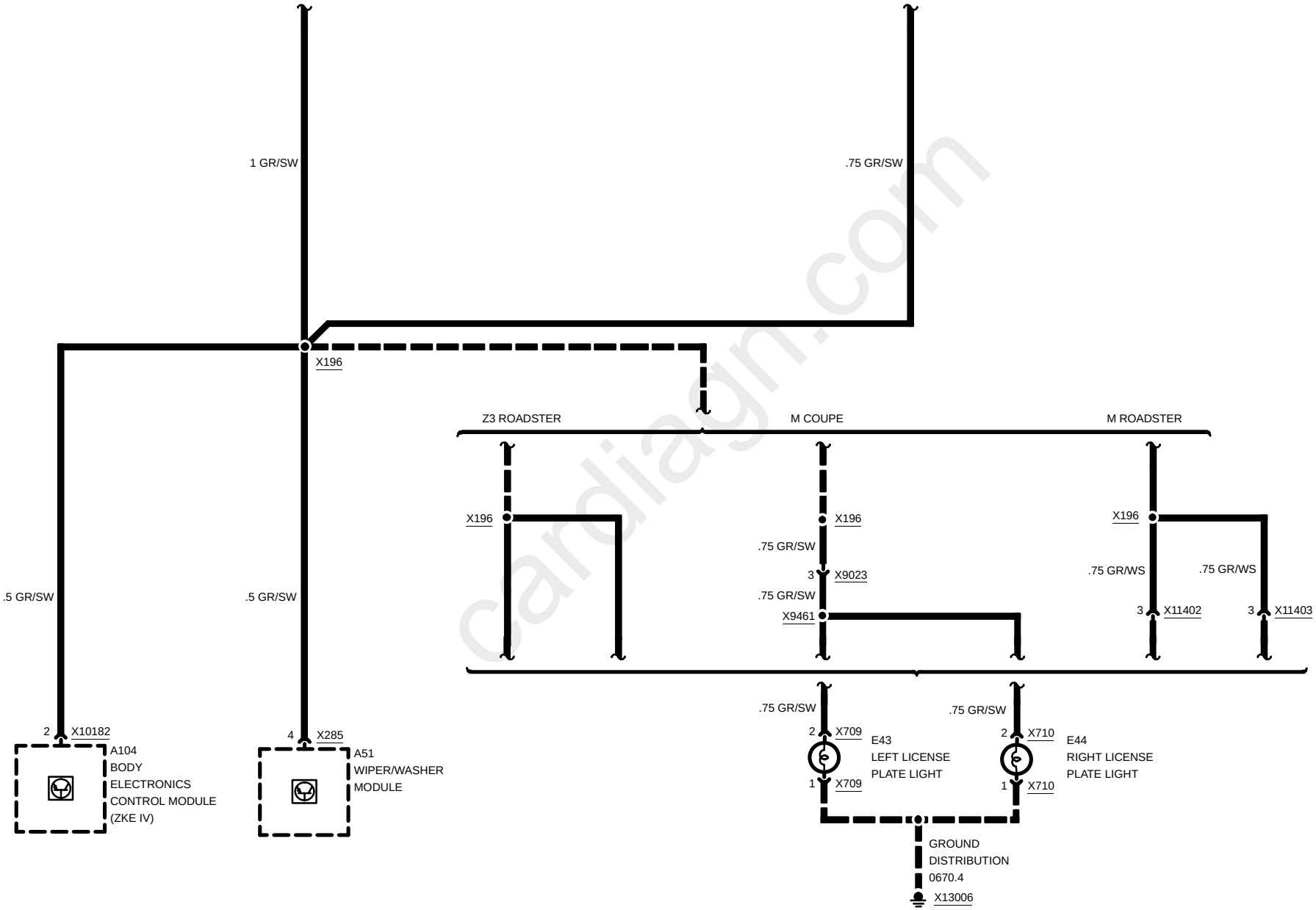
cardiagn.com

6320.0 LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS

CANADA LATE PRODUCTION



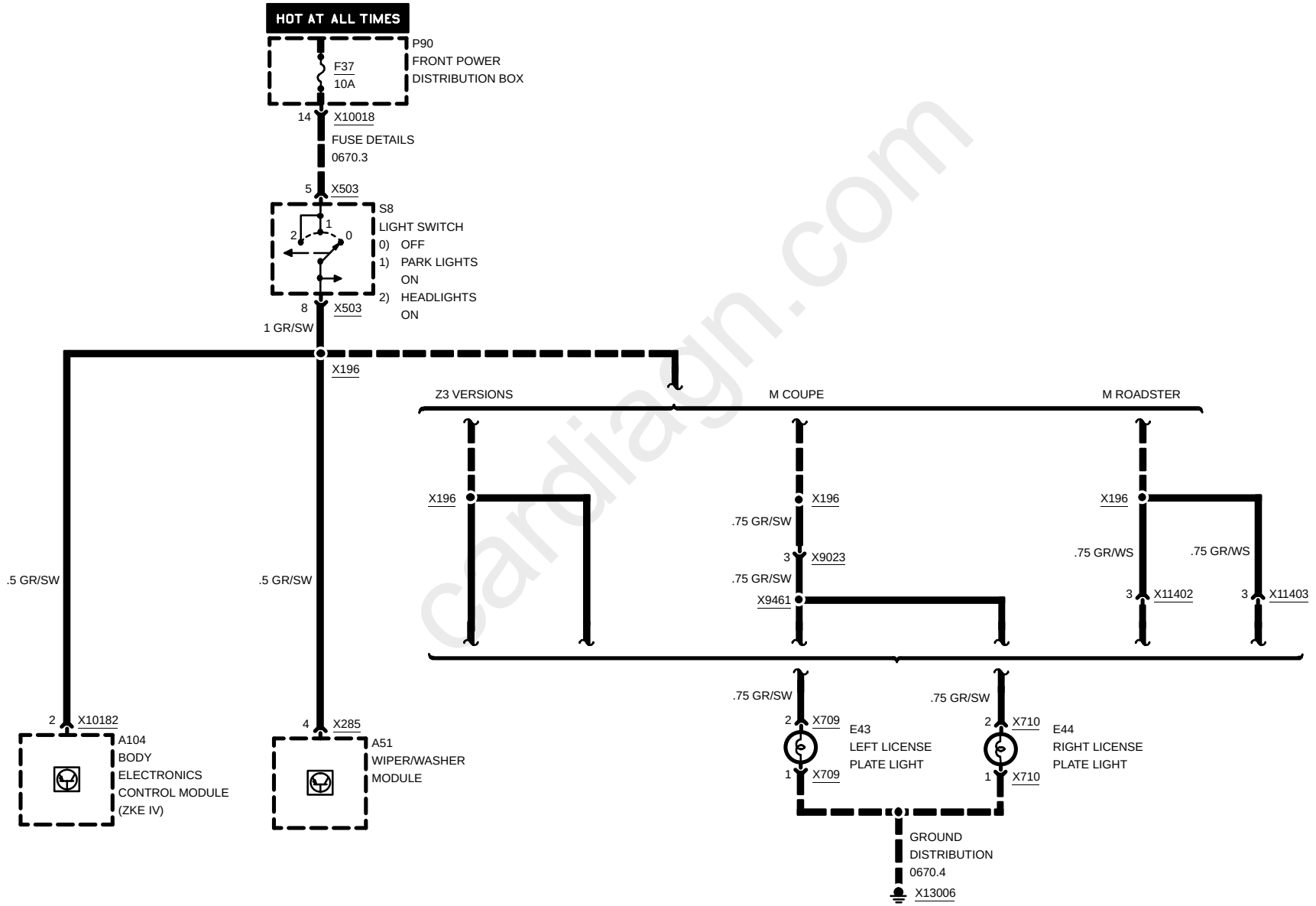
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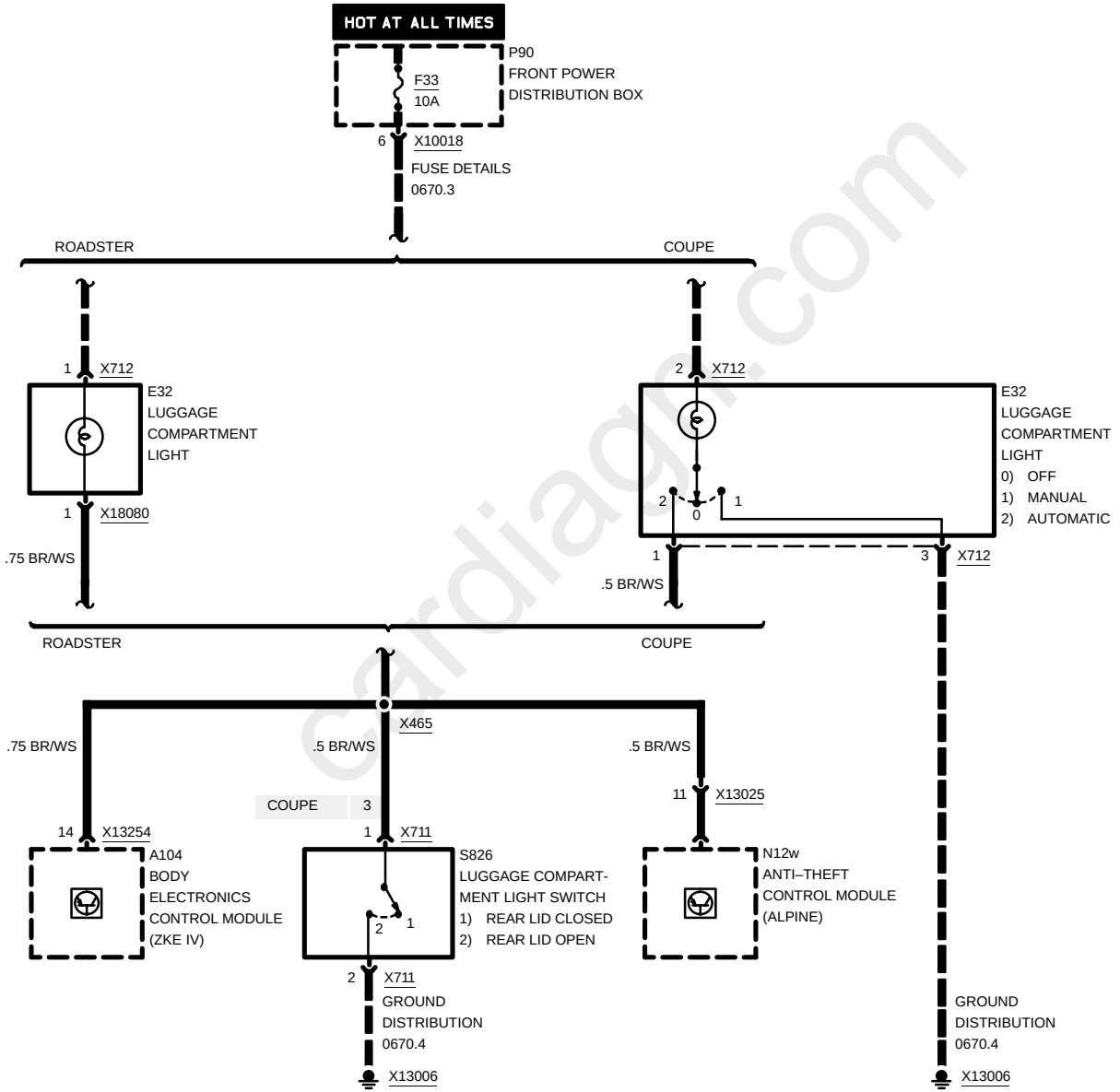
LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS

USA AND CANADA EARLY PRODUCTION



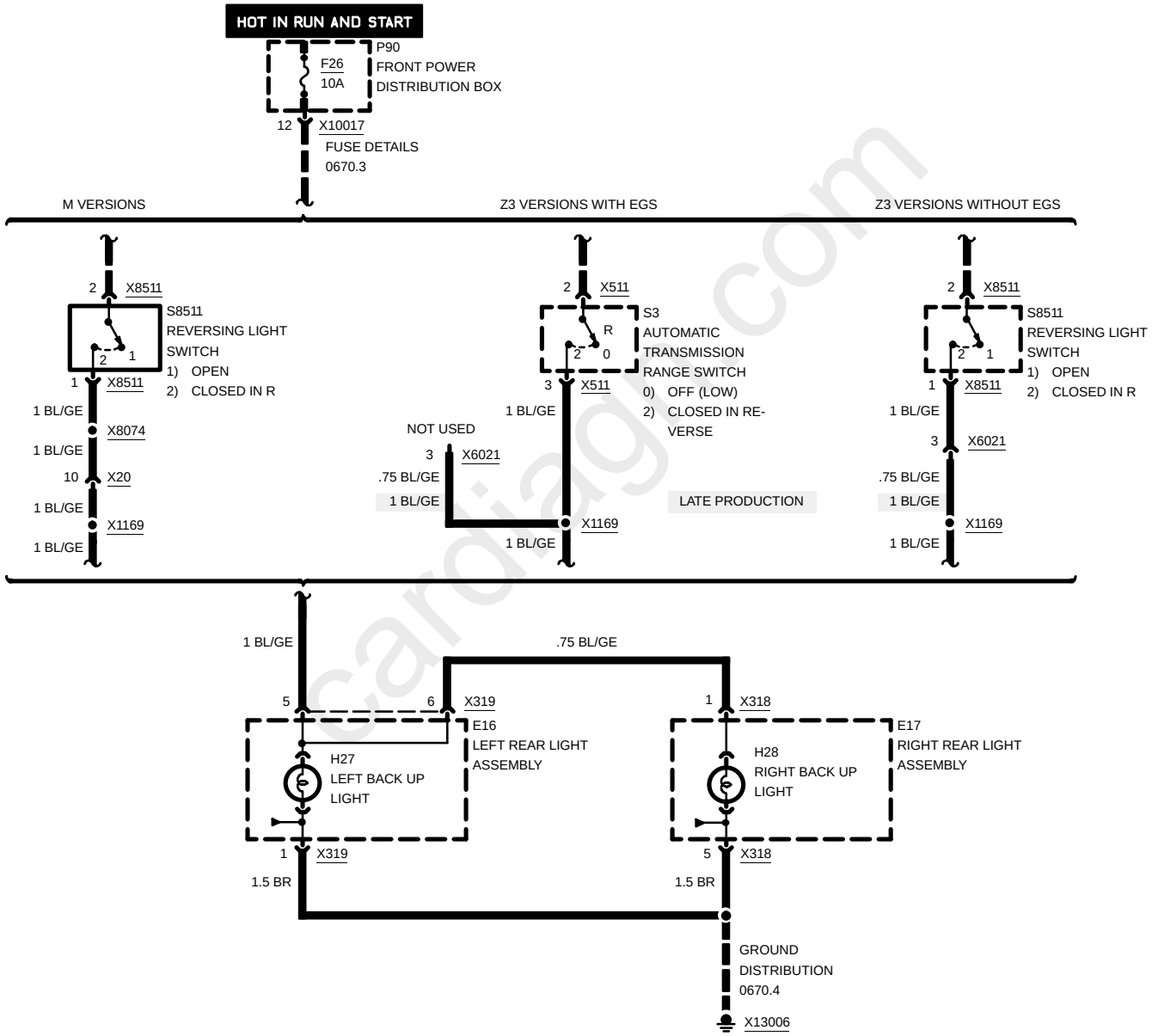
cardiagn.com

LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS



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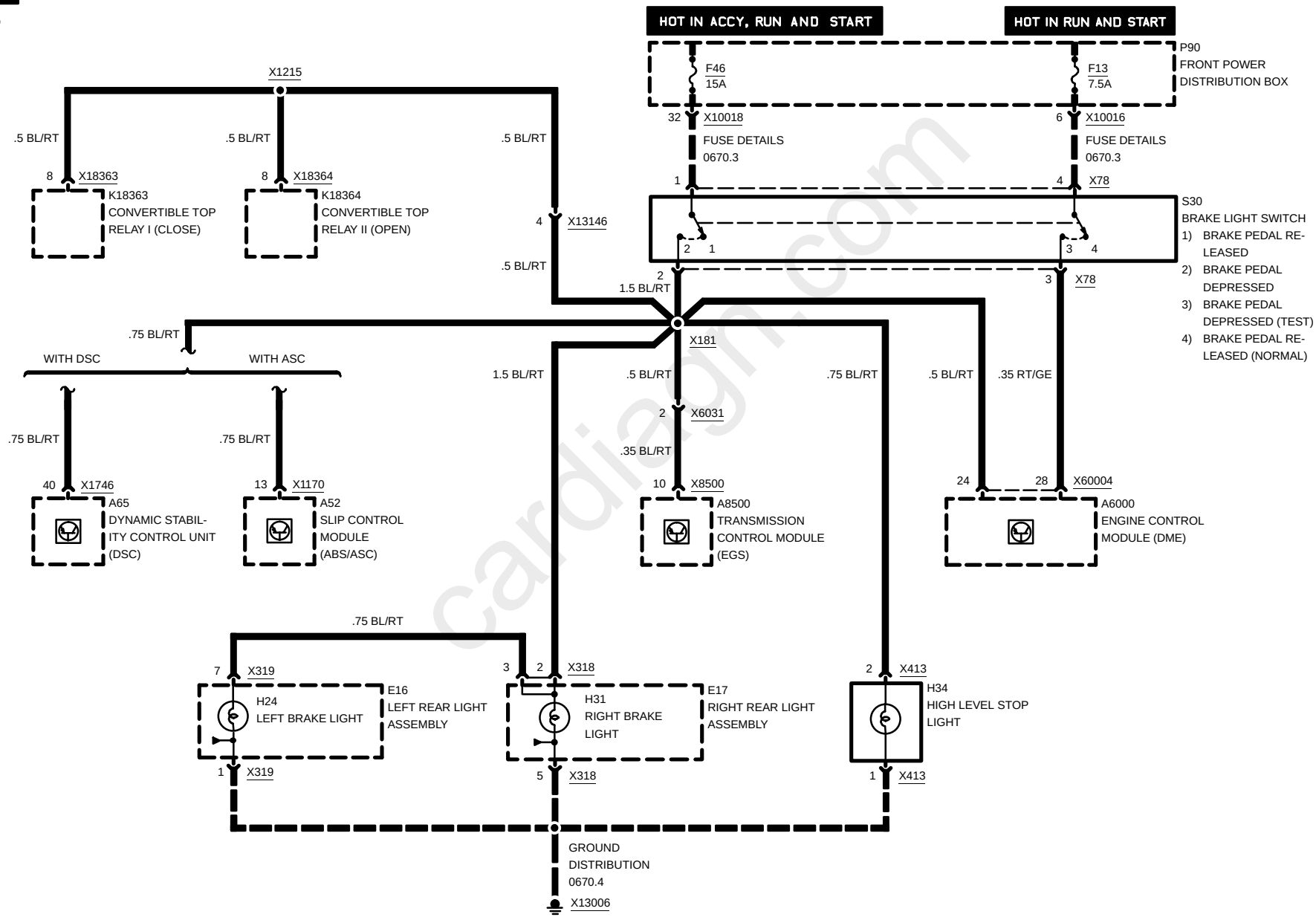
6322.0 BACK UP LIGHTS



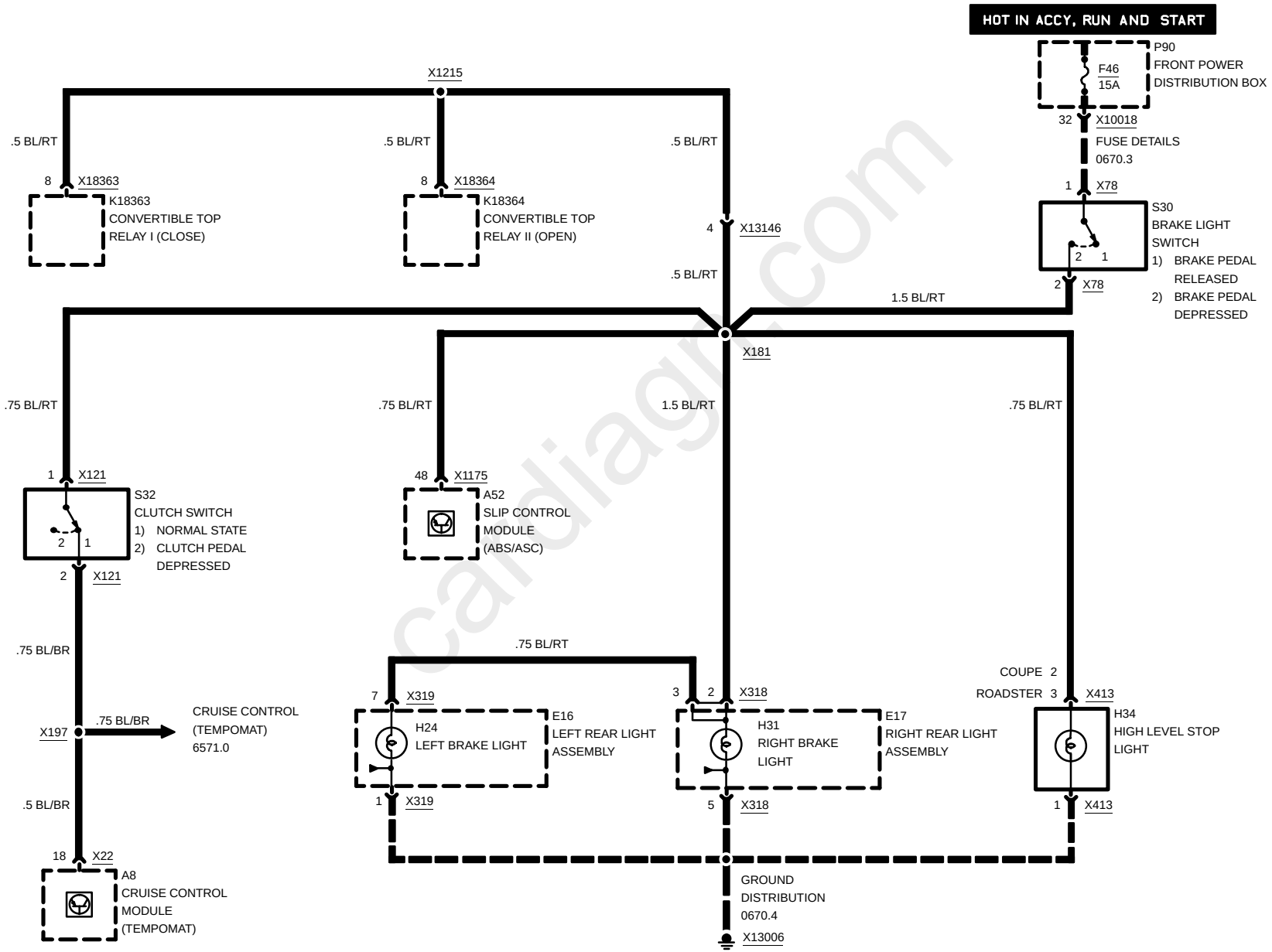
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6325.0 BRAKE LIGHTS

Z3 VERSIONS

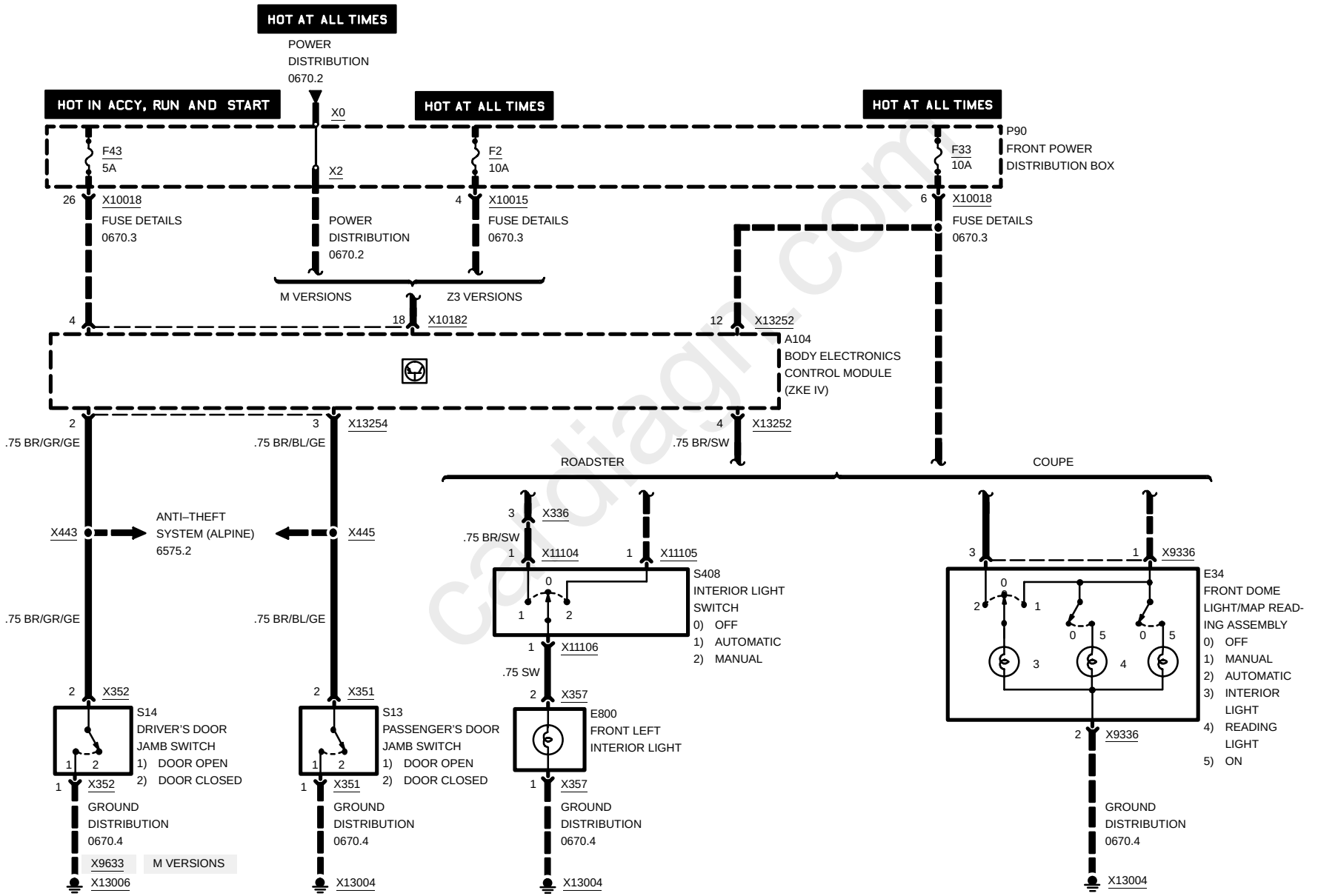


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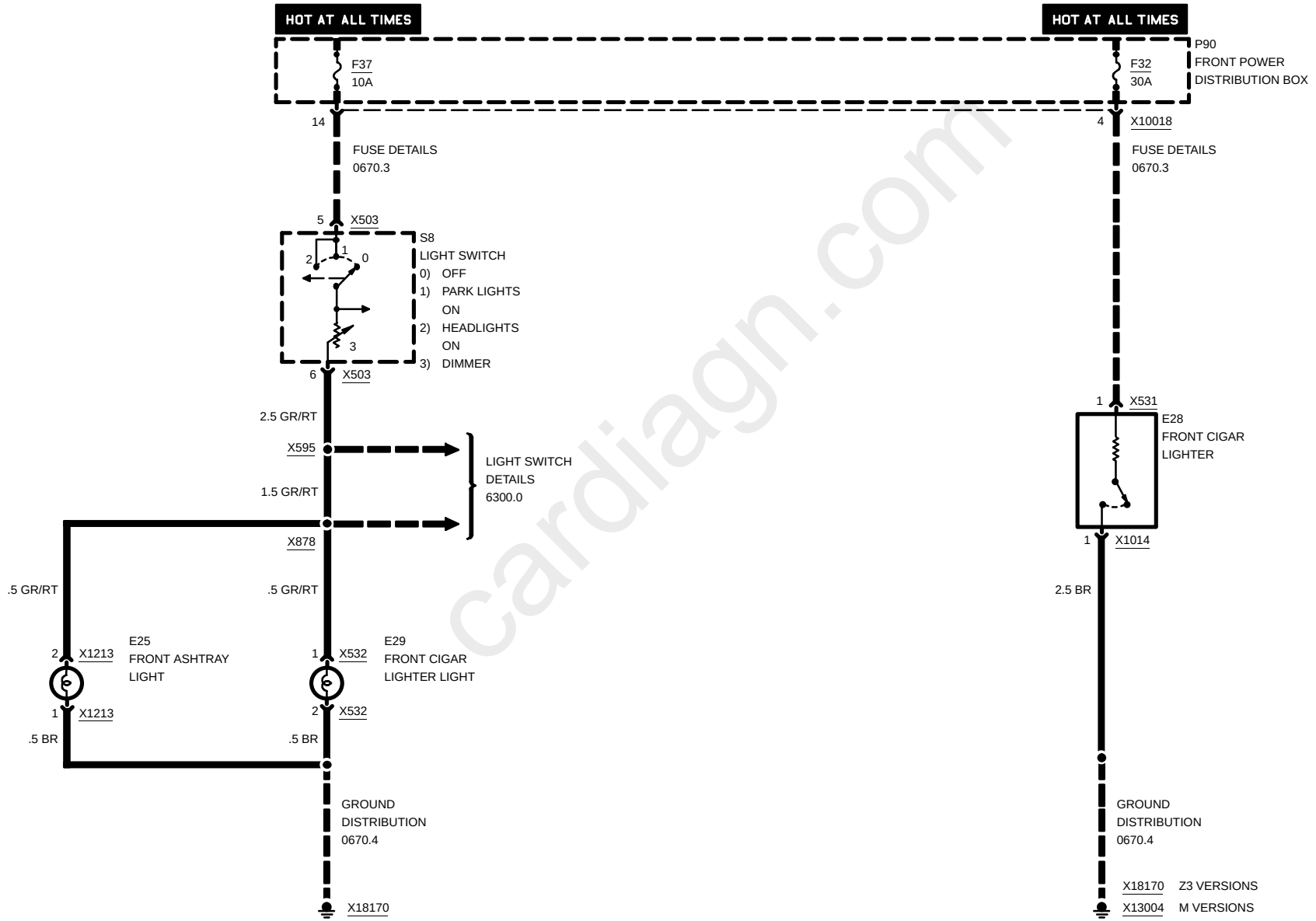
cardiagn.com

6330.3 INTERIOR LIGHTS



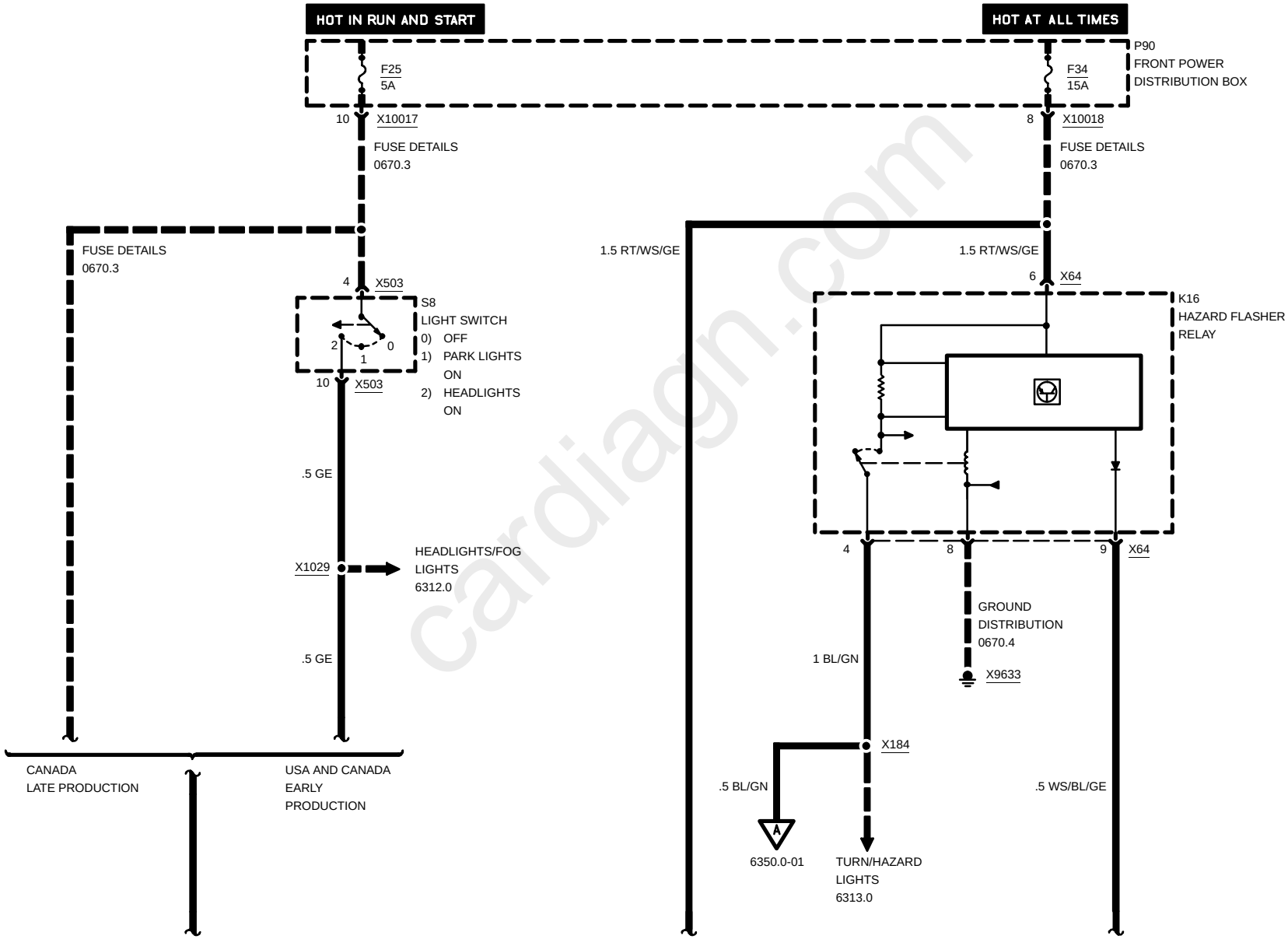
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6332.0 INTERIOR ACCESSORIES

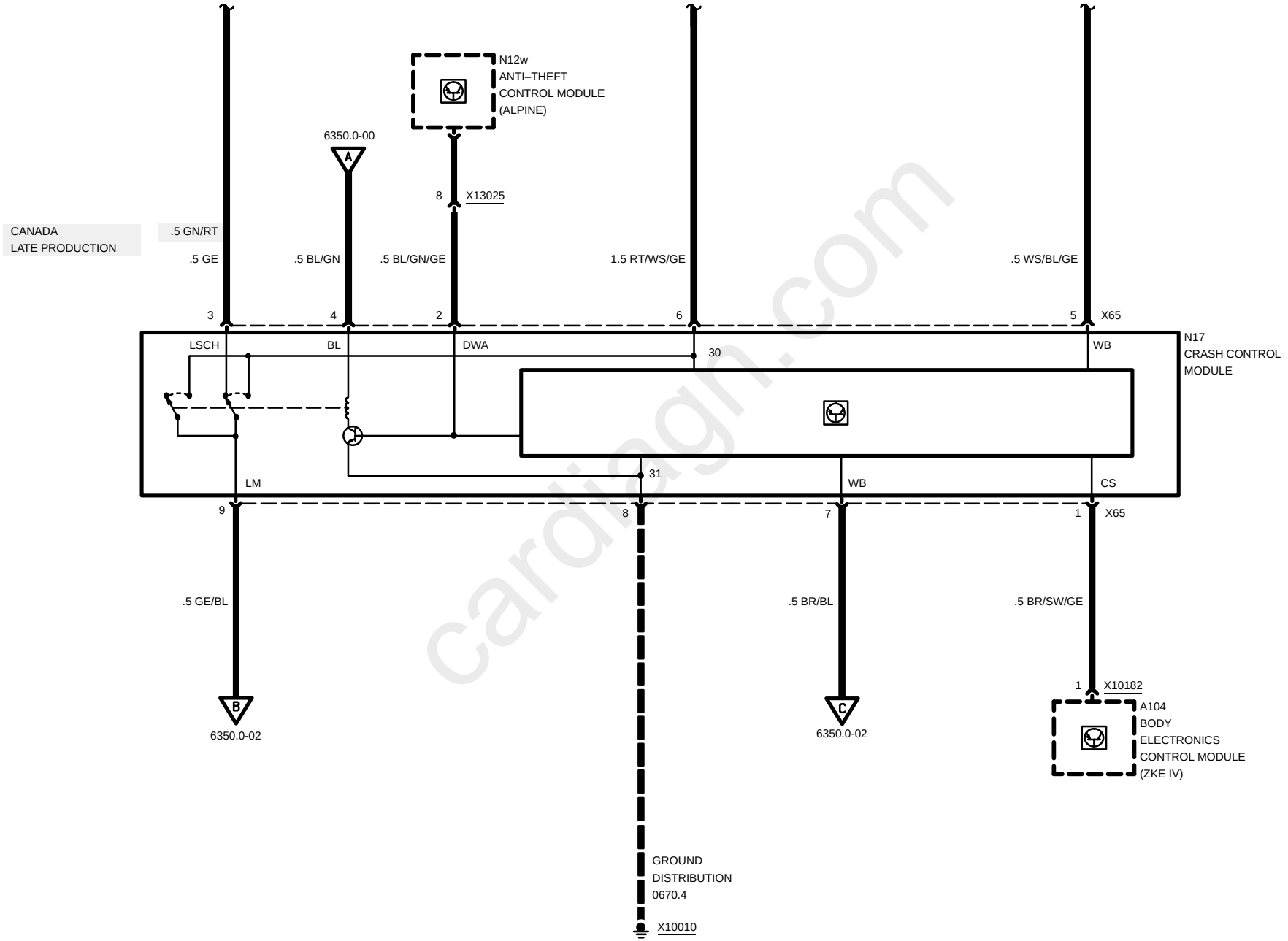


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6350.0 CRASH CONTROL MODULE

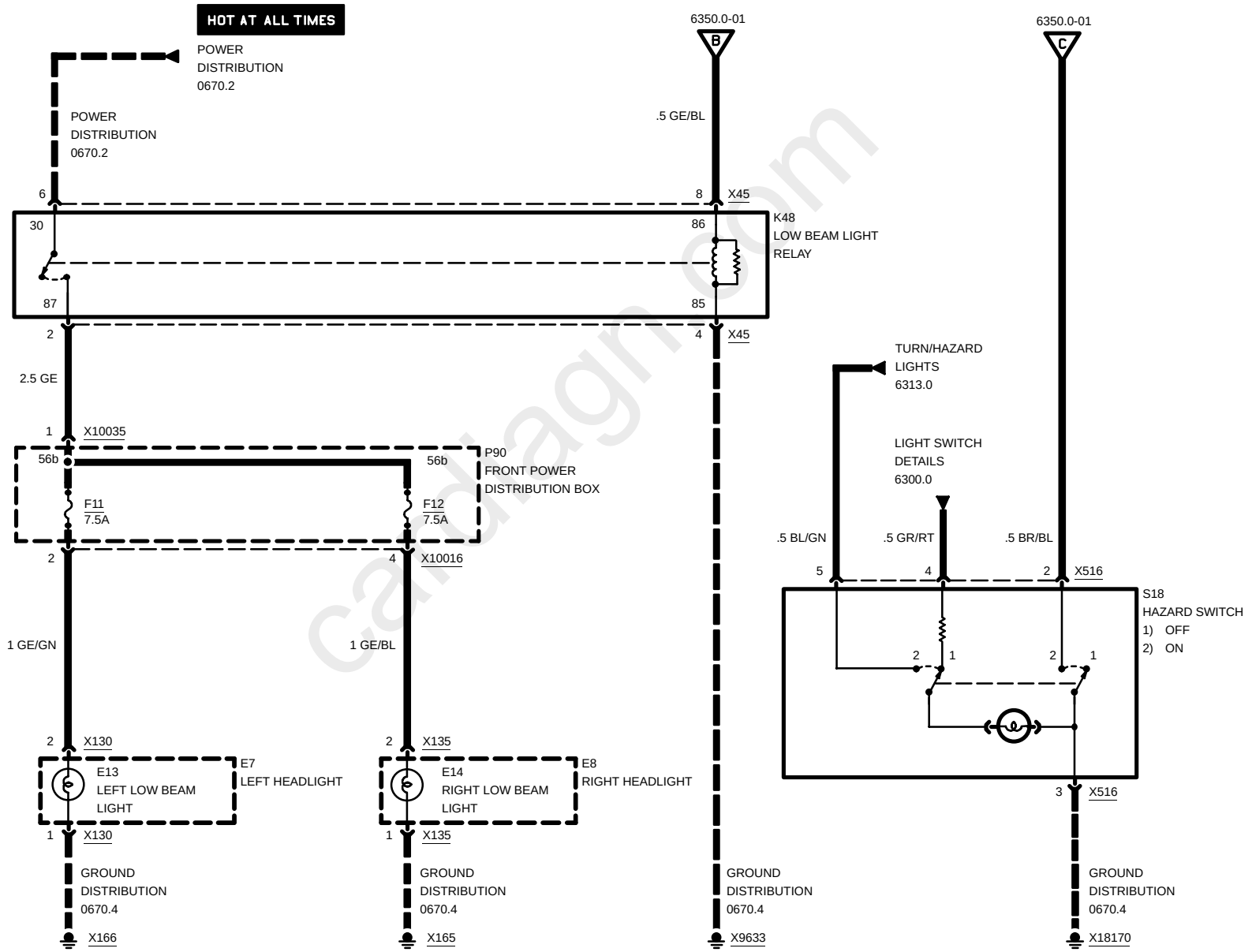


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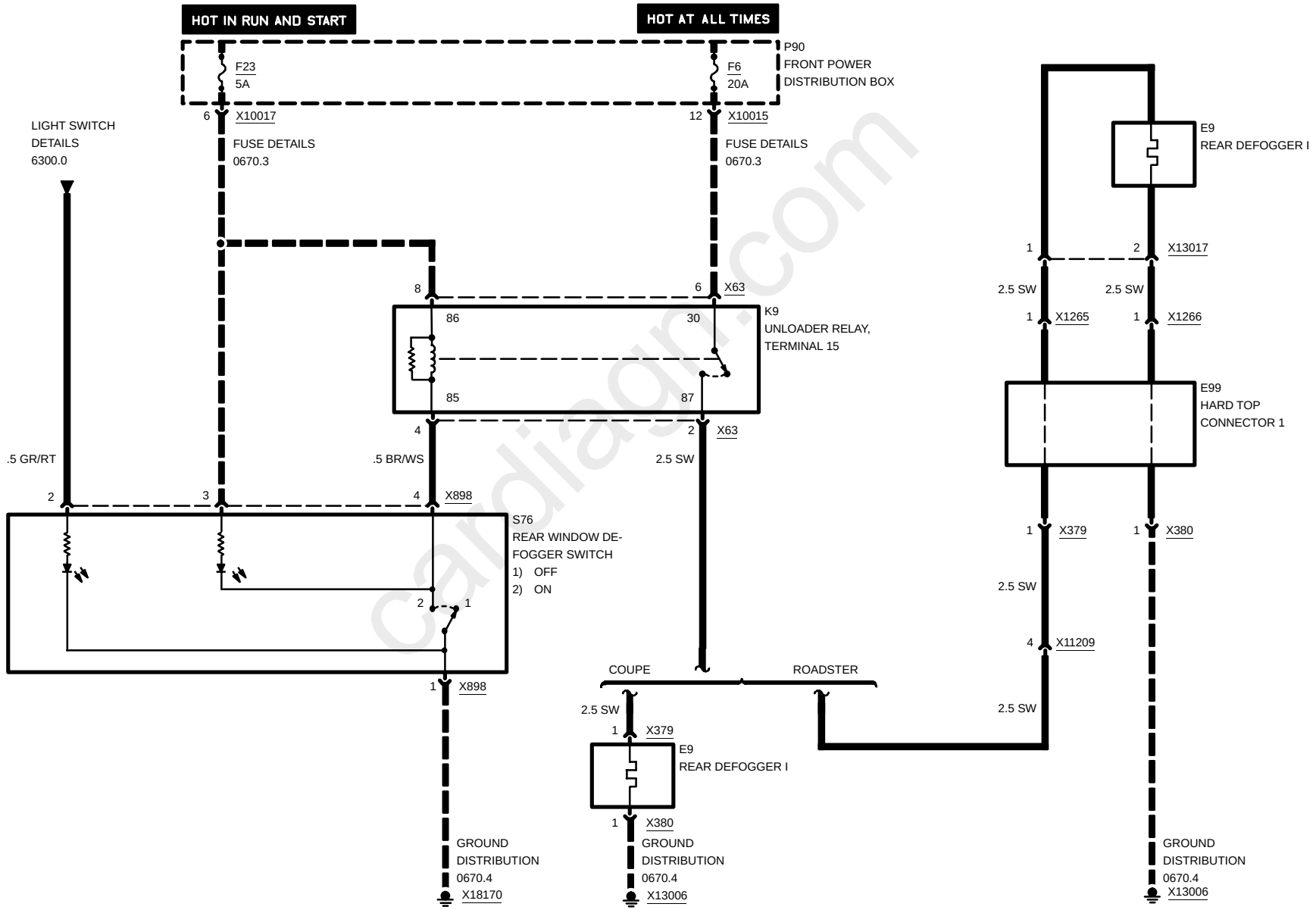
CRASH CONTROL MODULE



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6424.0 REAR WINDOW DEFOGGER

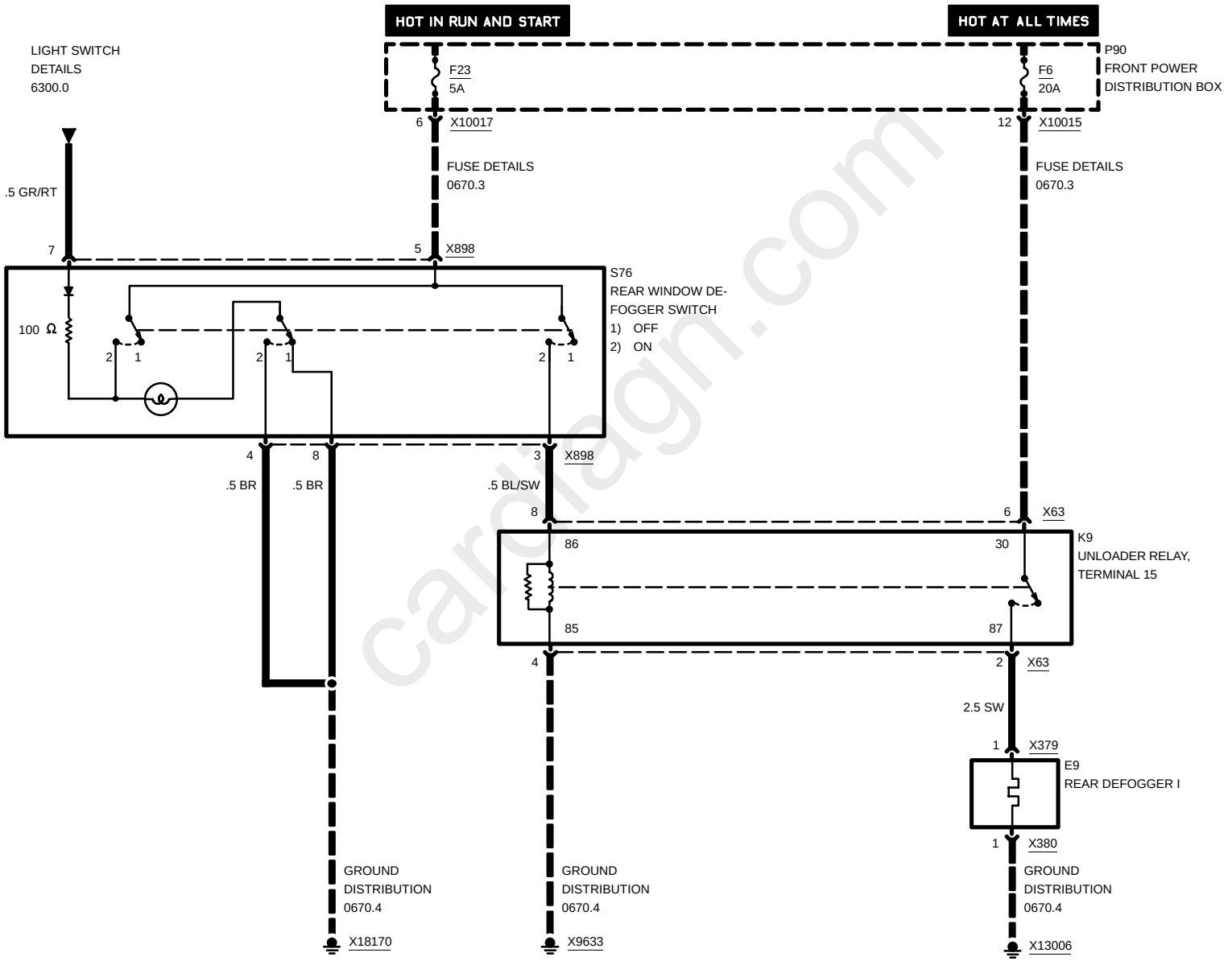
M COUPE AND ROADSTER



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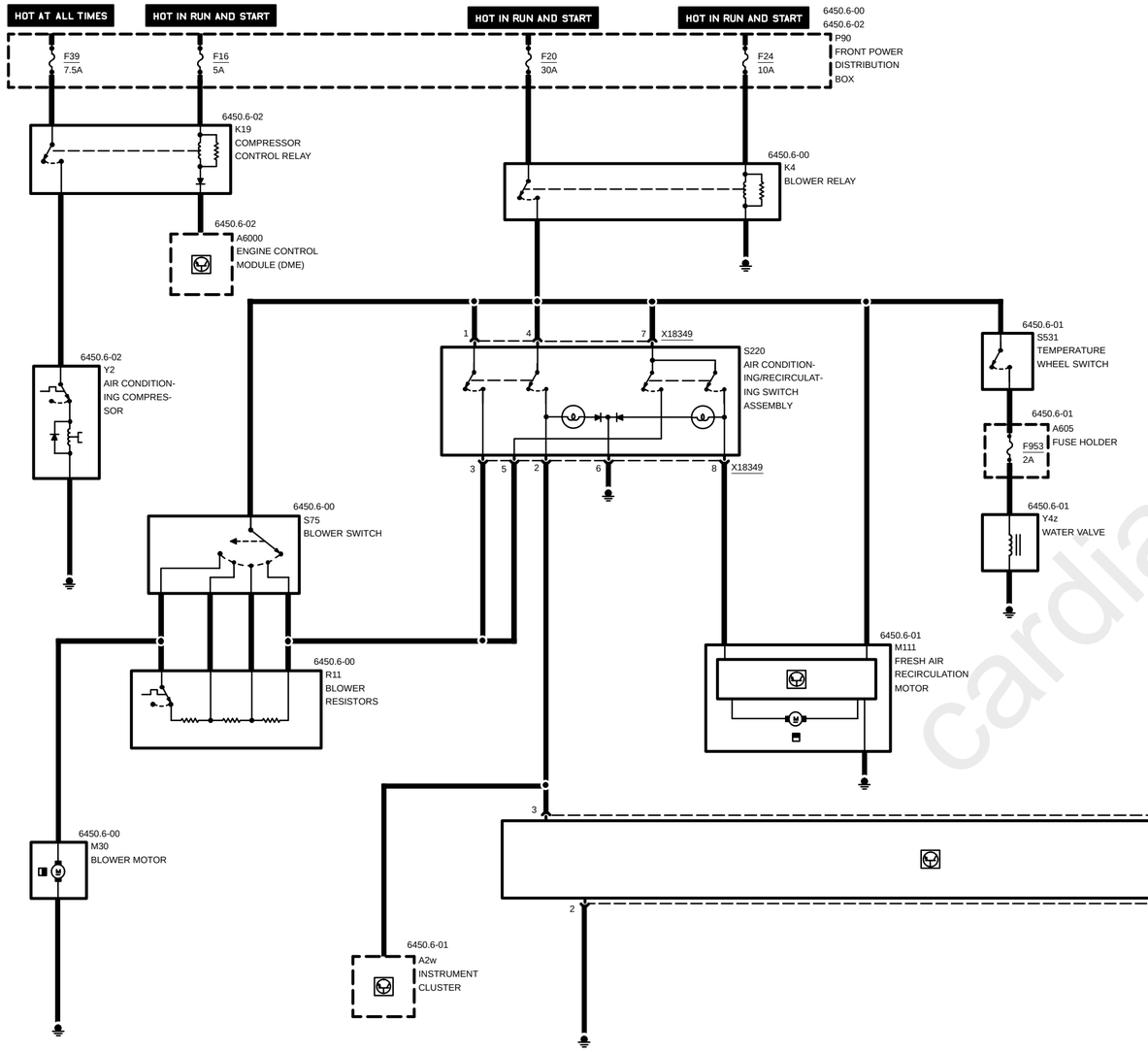
REAR WINDOW DEFOGGER

Z3 COUPE

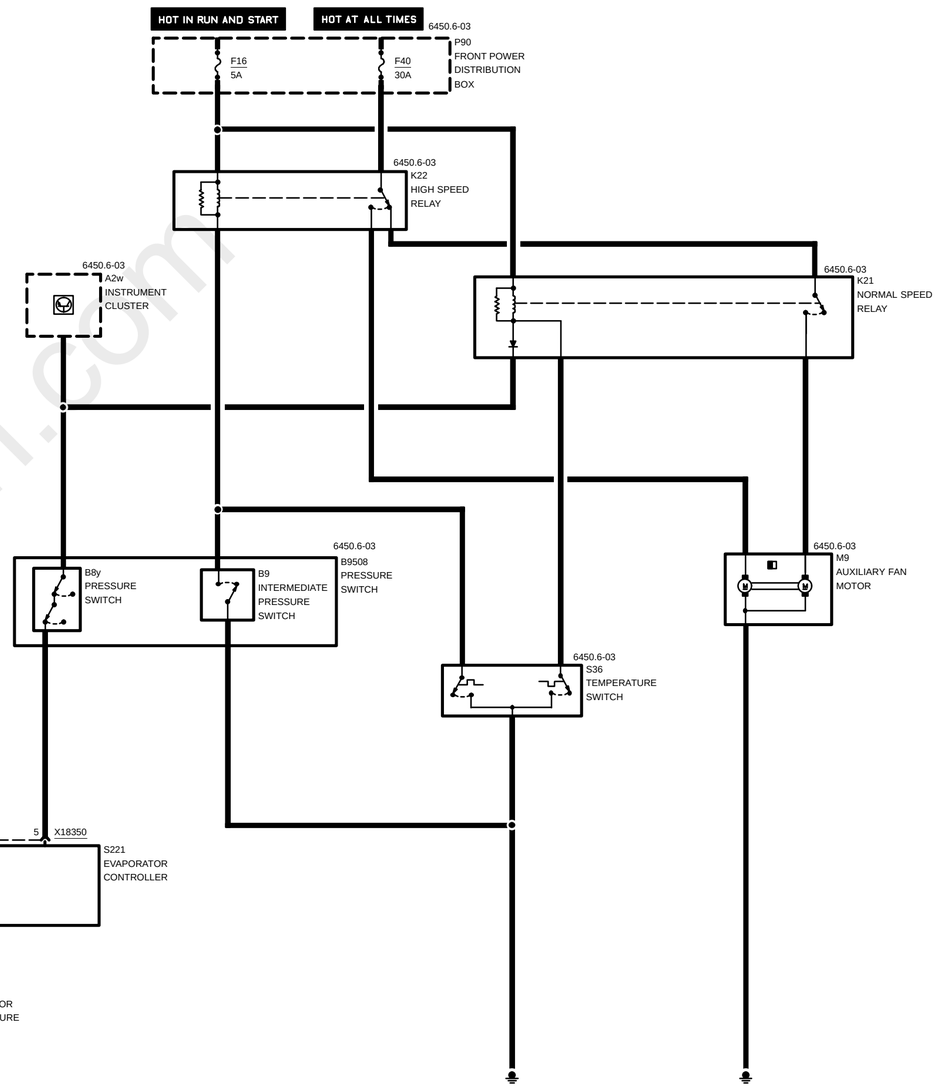


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Z3 VERSIONS

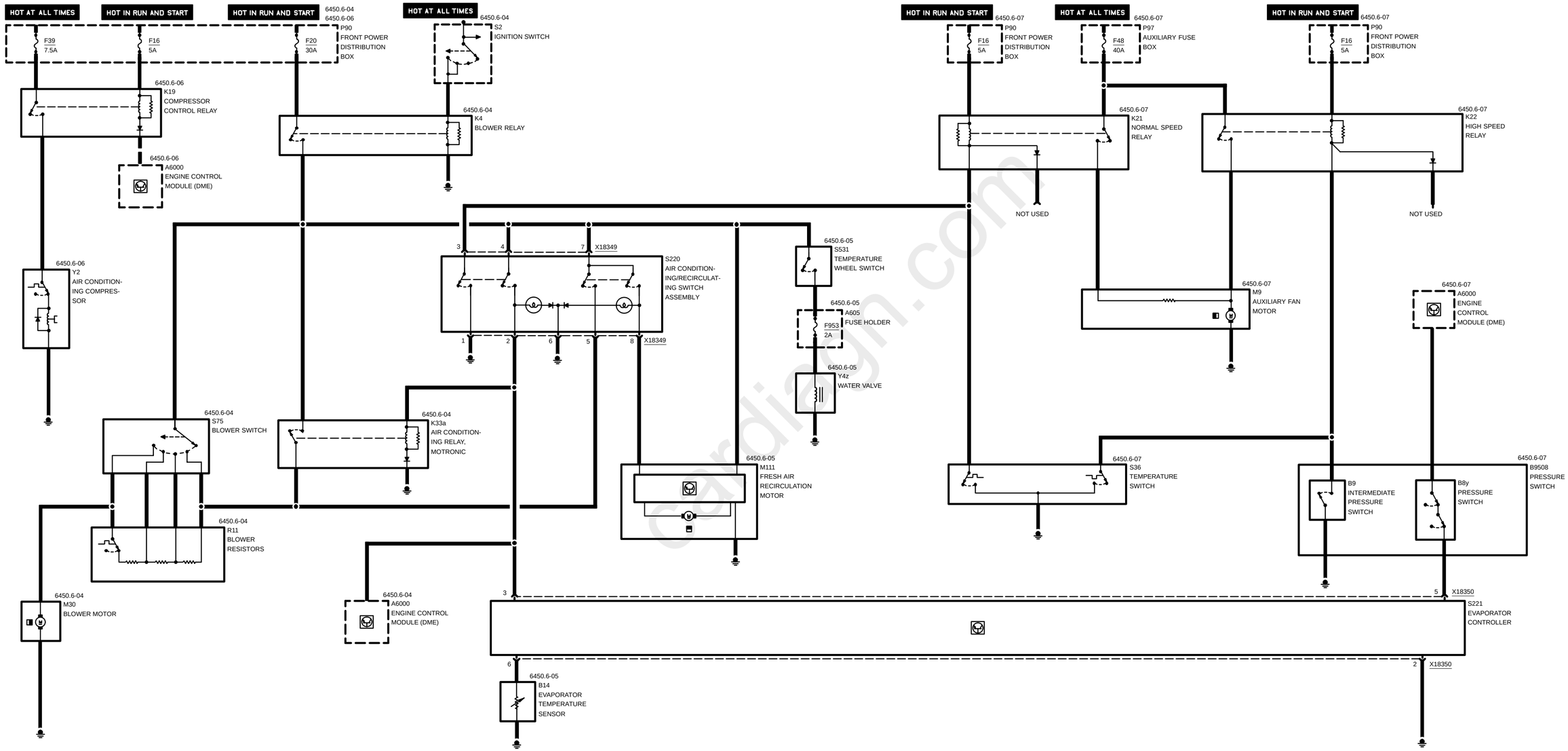


AUXILIARY FAN



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M VERSIONS



AUXILIARY FAN

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Pin Assignments (Z3 Versions)

X18349	8 Pins, black
X18350	6 Pins, black

X18349

Pin	Type	Description/Function	Connection
1	E	Terminal 15	Heating blower relay
2	A	Activate compressor clutch	Instrument cluster
3	A	Blower level 1 (air conditioning)	Blower resistor
4	E	Terminal 15	Heating blower relay
5	A	Blower level 1 (air-recirculation)	Blower resistor
6	M	Ground for function lights	Ground point
7	E	Terminal 15	Heating blower relay
8	A	Activate fresh air-recirculation	Fresh air-recirculation motor

X18350

Pin	Type	Description/Function	Connection
1		Not used	
2	M	Ground	Ground point
3	E	Climate-ON-signal	Air conditioning/recirculated air operating unit
4		Not used	
5	A	Activate A/C compressor	Pressure switch
6	E	Evaporator temperature	Evaporator temperature sensor

E = Input, A = Output, M = Ground

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Pin Assignments (M Versions)

X18349	8 Pins, black
X18350	6 Pins, black

X18349

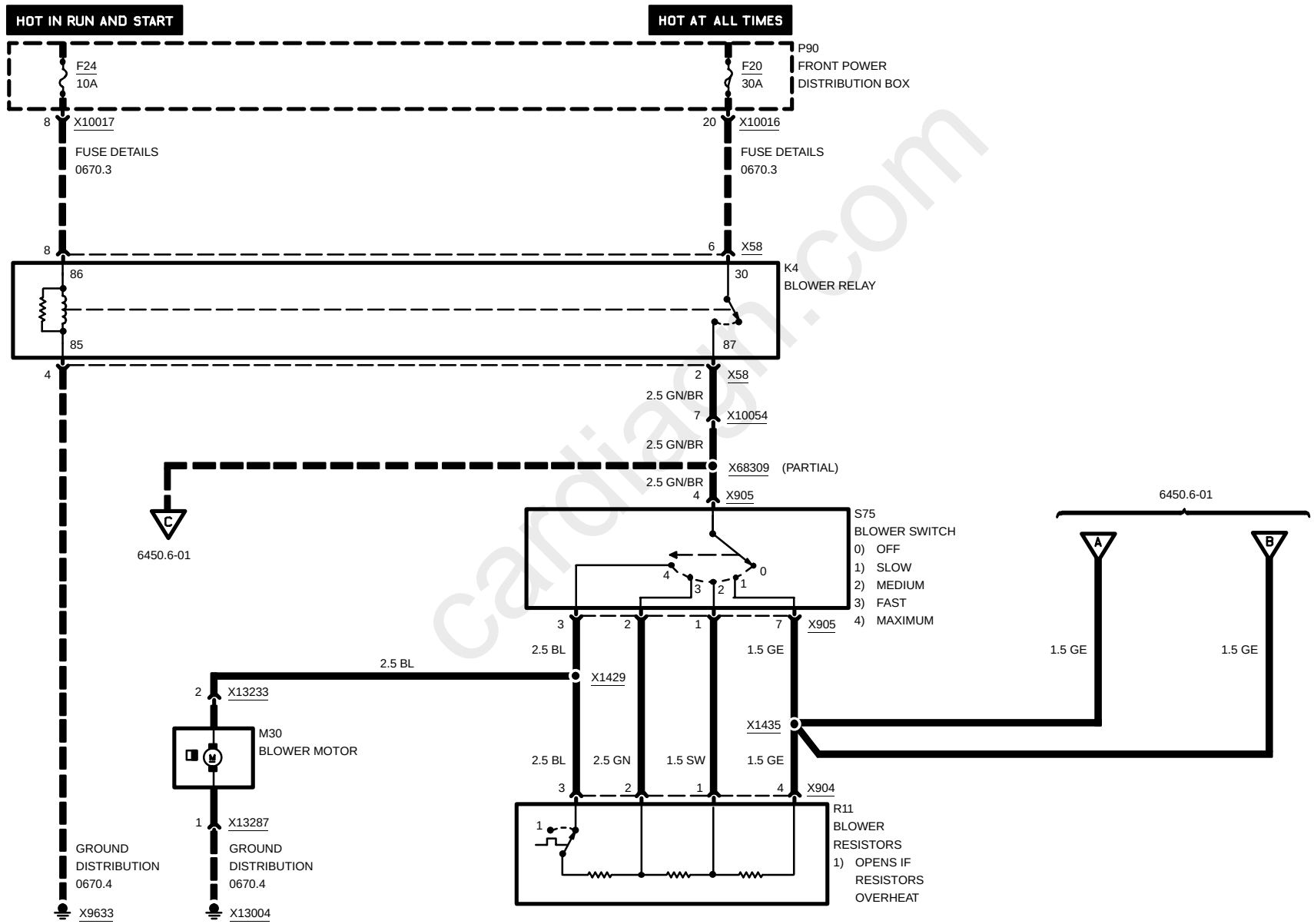
Pin	Type	Description/Function	Connection
1	M	Ground	Ground point
2	A	A/C-ON-signal	Evaporator controller
3	A	A/C-ON-signal	Normal speed relay
4	E	Terminal 15	Heating blower relay
5	A	Blower level 1 (air-recirculation)	Blower resistor
6	M	Ground for function lights	Ground point
7	E	Terminal 15	Heating blower relay
8	A	Activate fresh air-recirculation	Fresh air-recirculation motor

X18350

Pin	Type	Description/Function	Connection
1		Not used	
2	M	Ground	Ground point
3	E	Climate-ON-signal	Air conditioning/recirculated air operating unit
4		Not used	
5	A	Activate A/C compressor	Pressure switch
6	E	Evaporator temperature	Evaporator temperature sensor

E = Input, A = Output, M = Ground

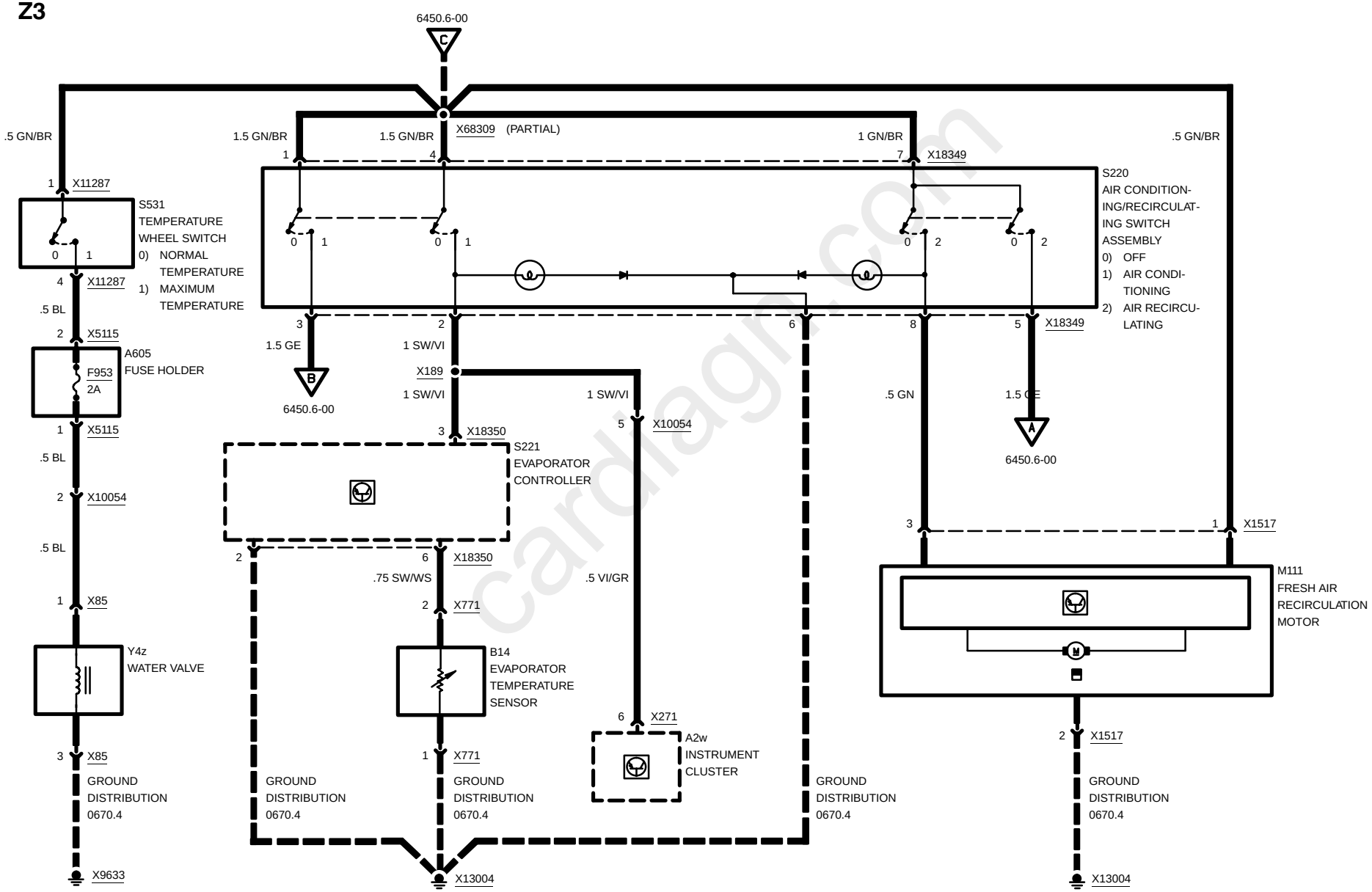
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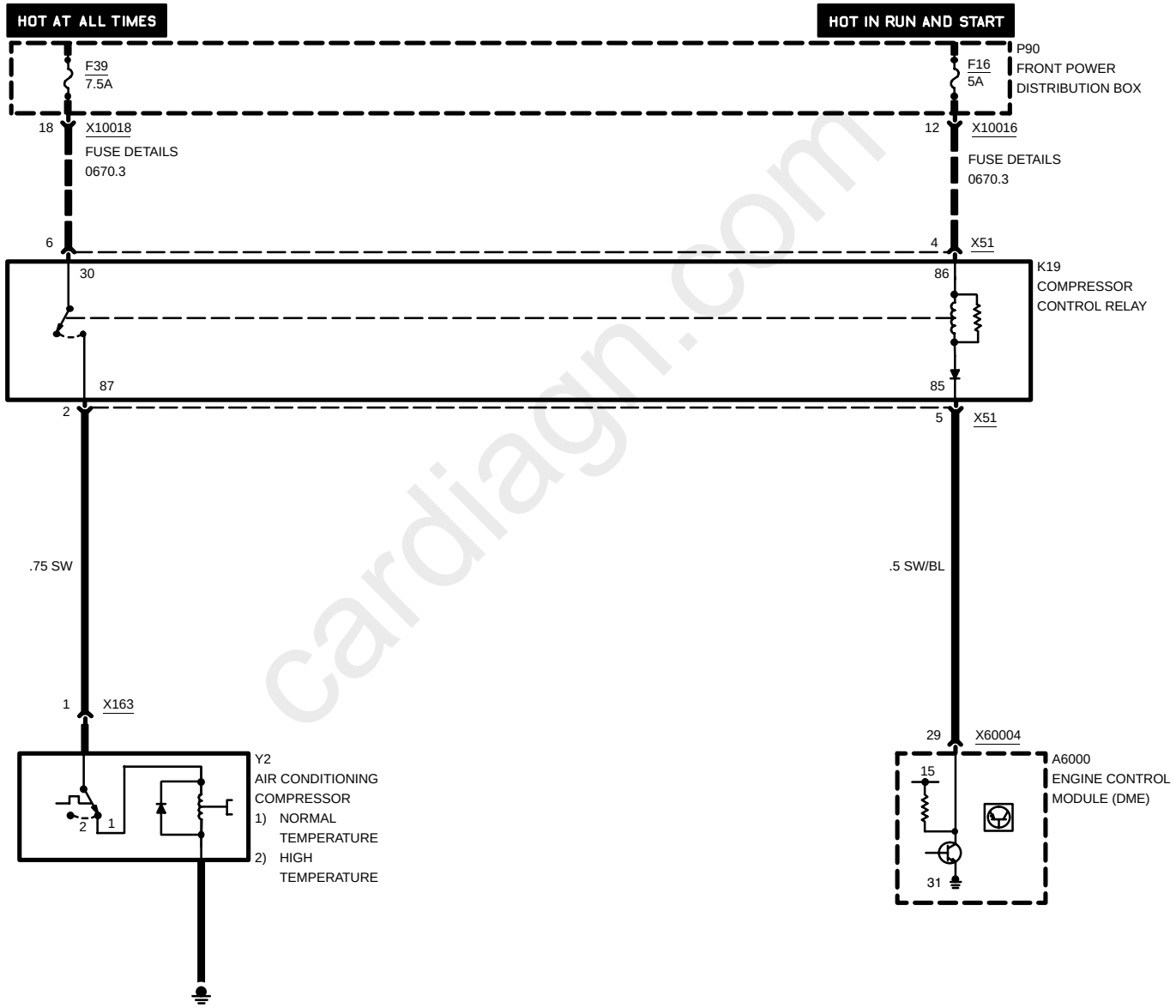
INTEGRATED HEATING– AND CLIMATE CONTROL

Z3 VERSIONS



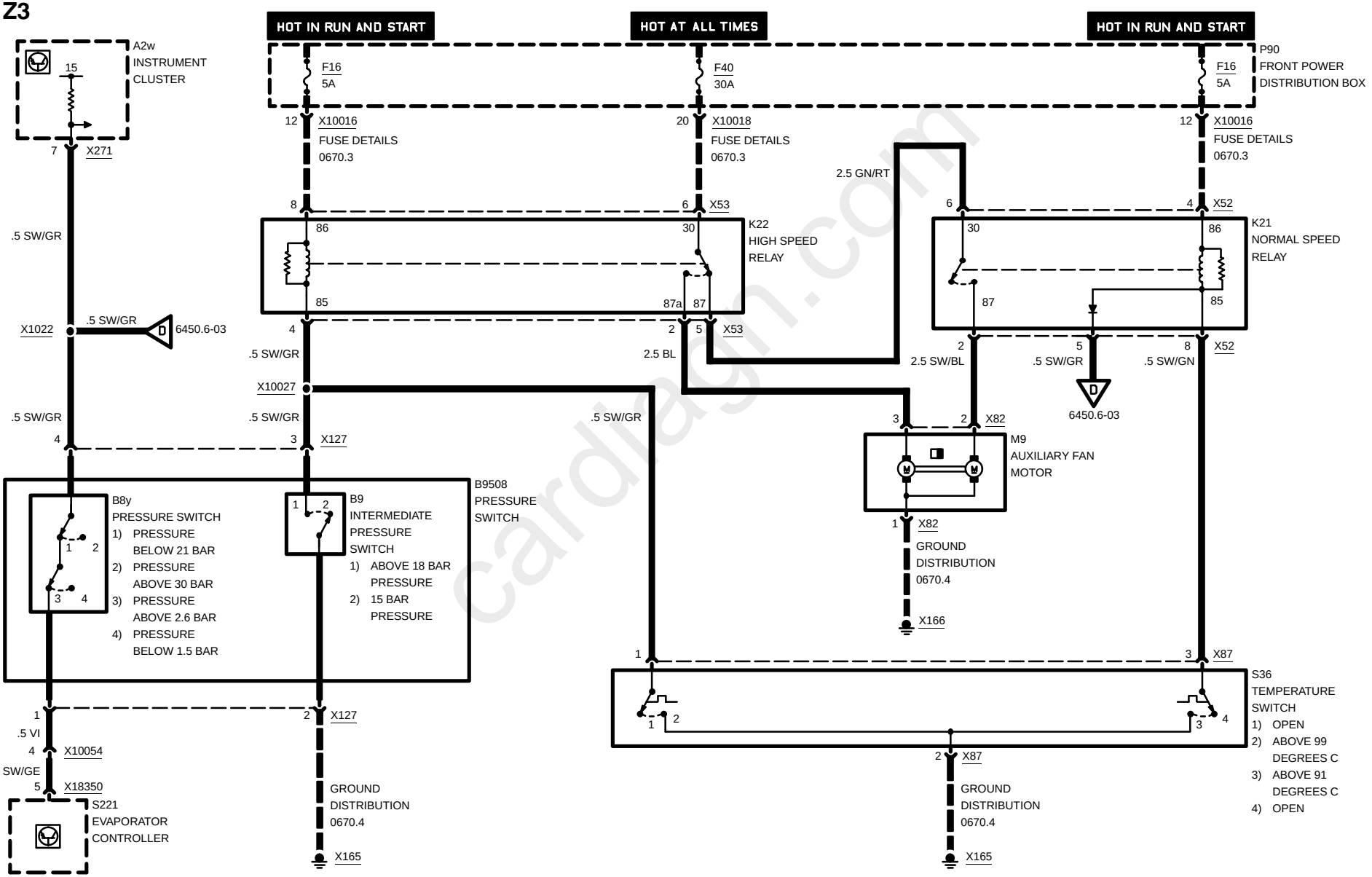
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COMPRESSOR CONTROLS



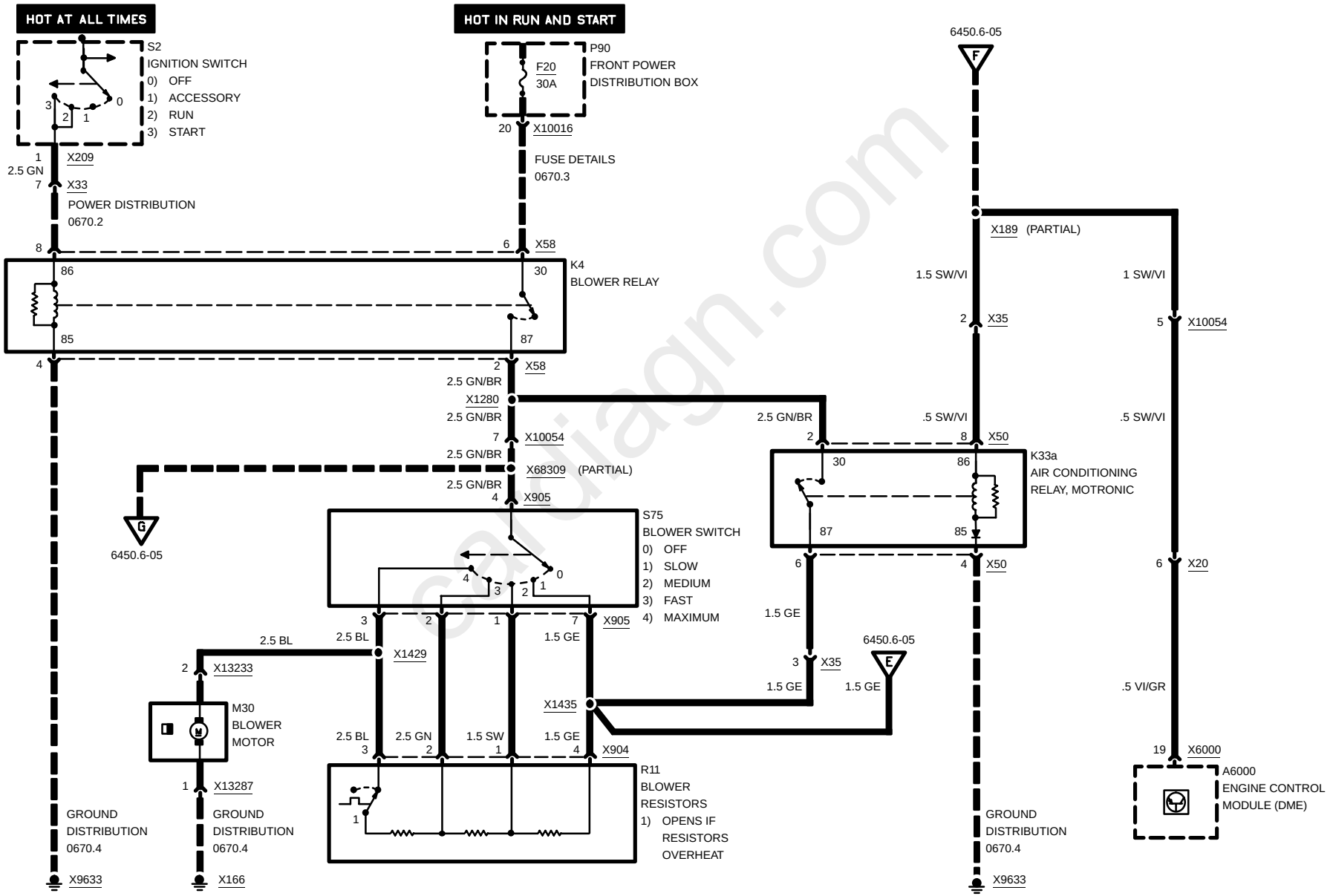
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AUXILIARY FAN



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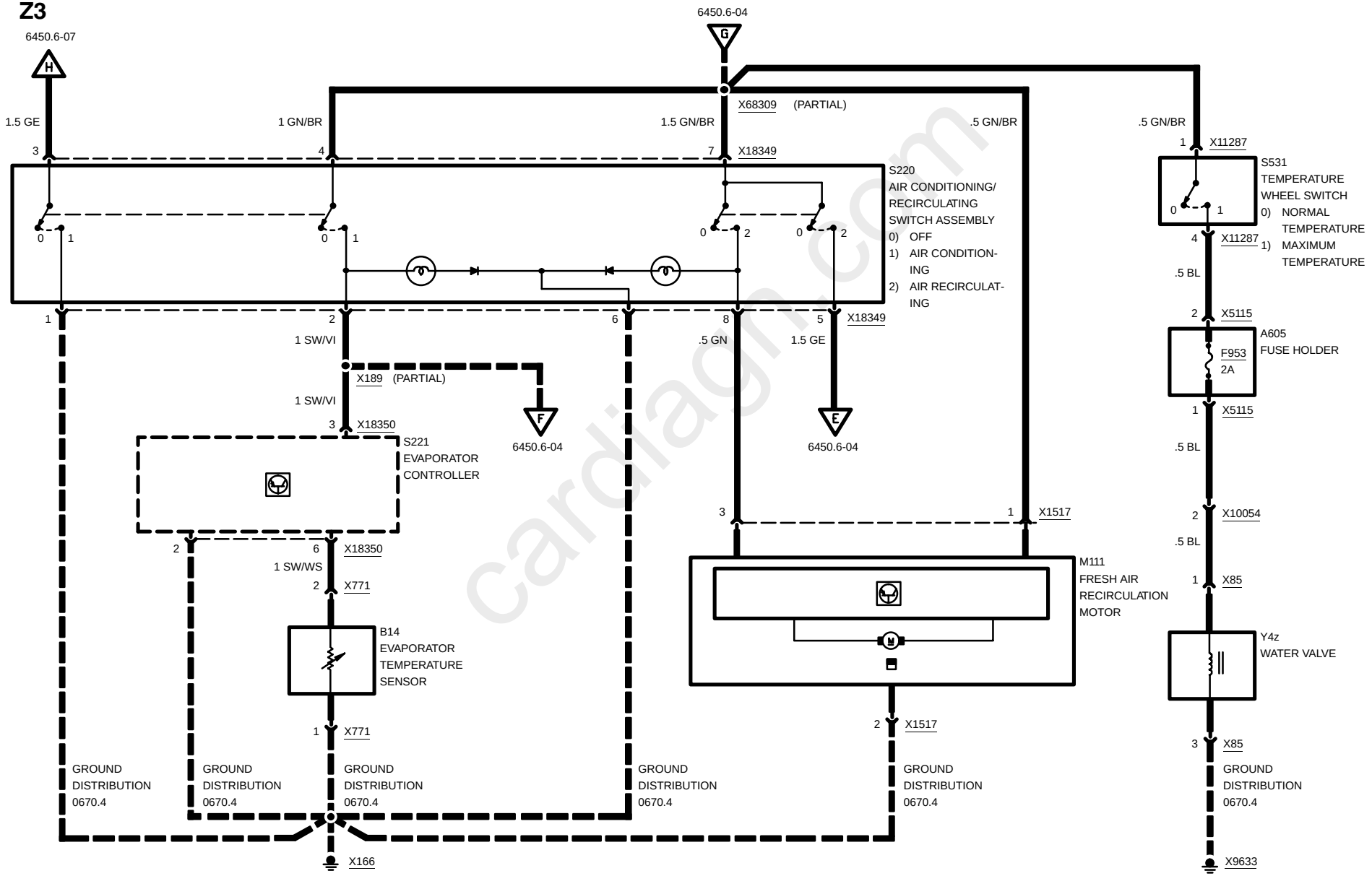
POWER, AIR FLOW CONTROL



carjiagn.com

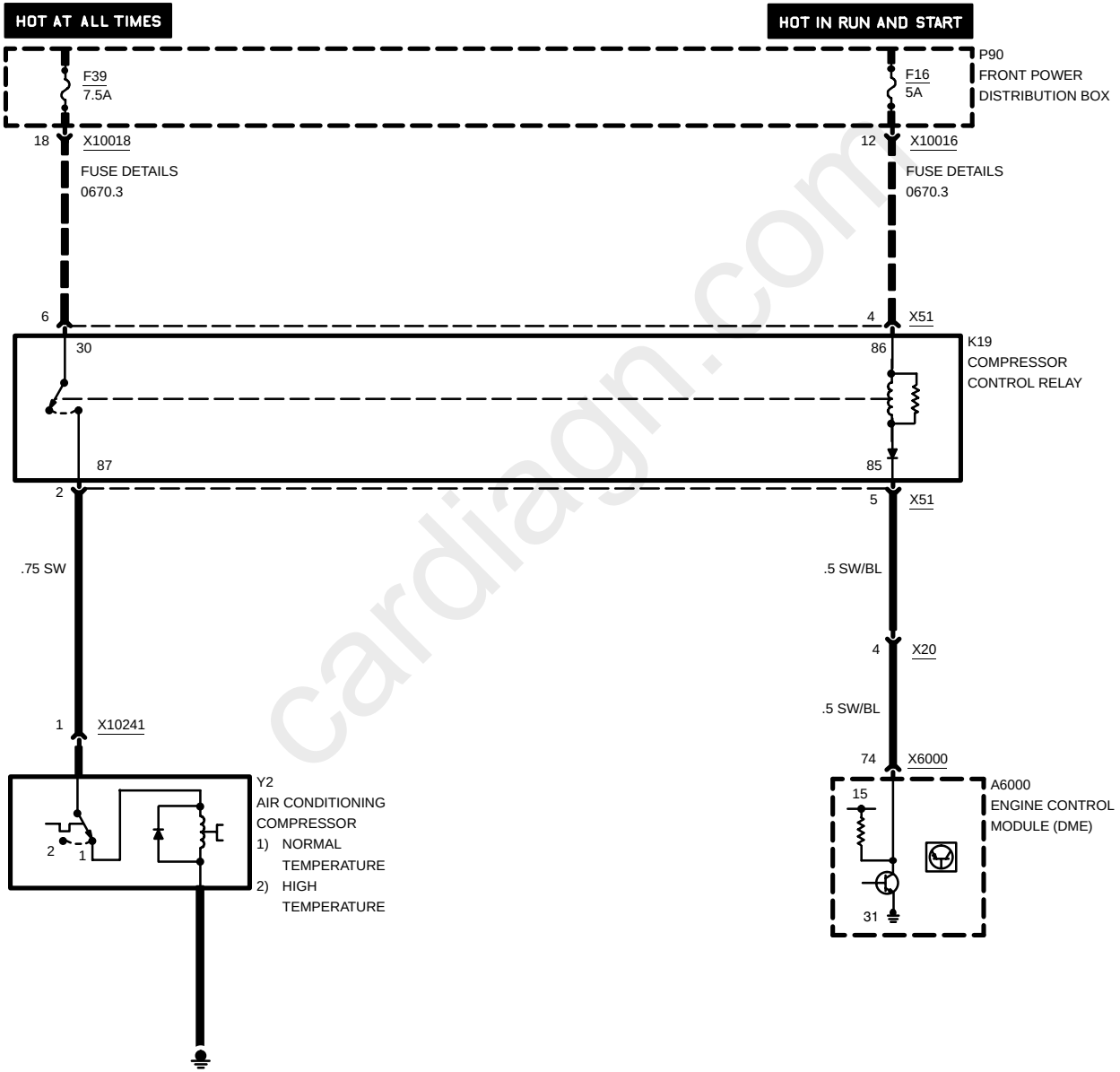
INTEGRATED HEATING– AND CLIMATE CONTROL

M VERSIONS



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COMPRESSOR CONTROL AND WATER SUPPLY

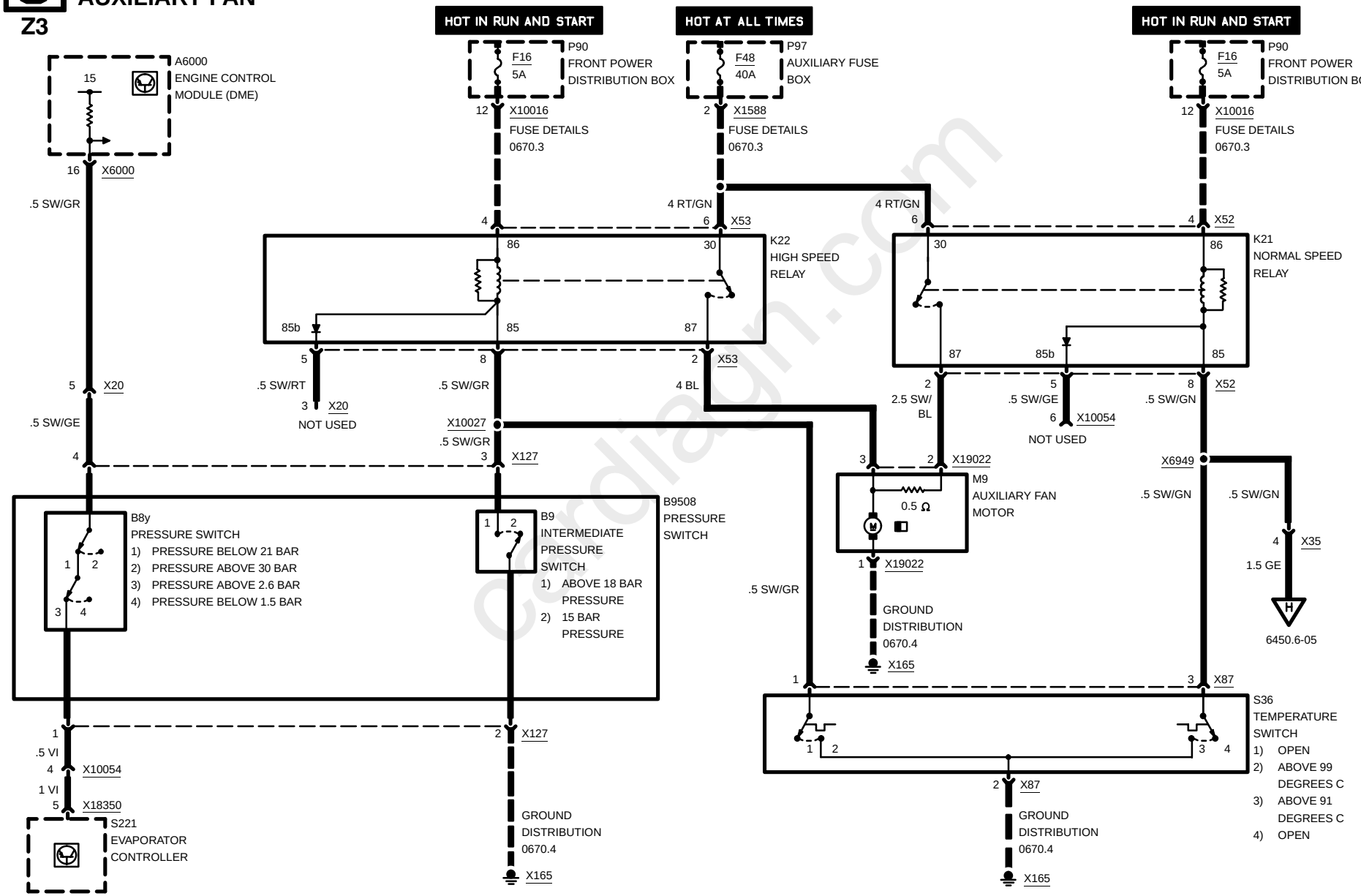


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INTEGRATED HEATING– AND CLIMATE CONTROL

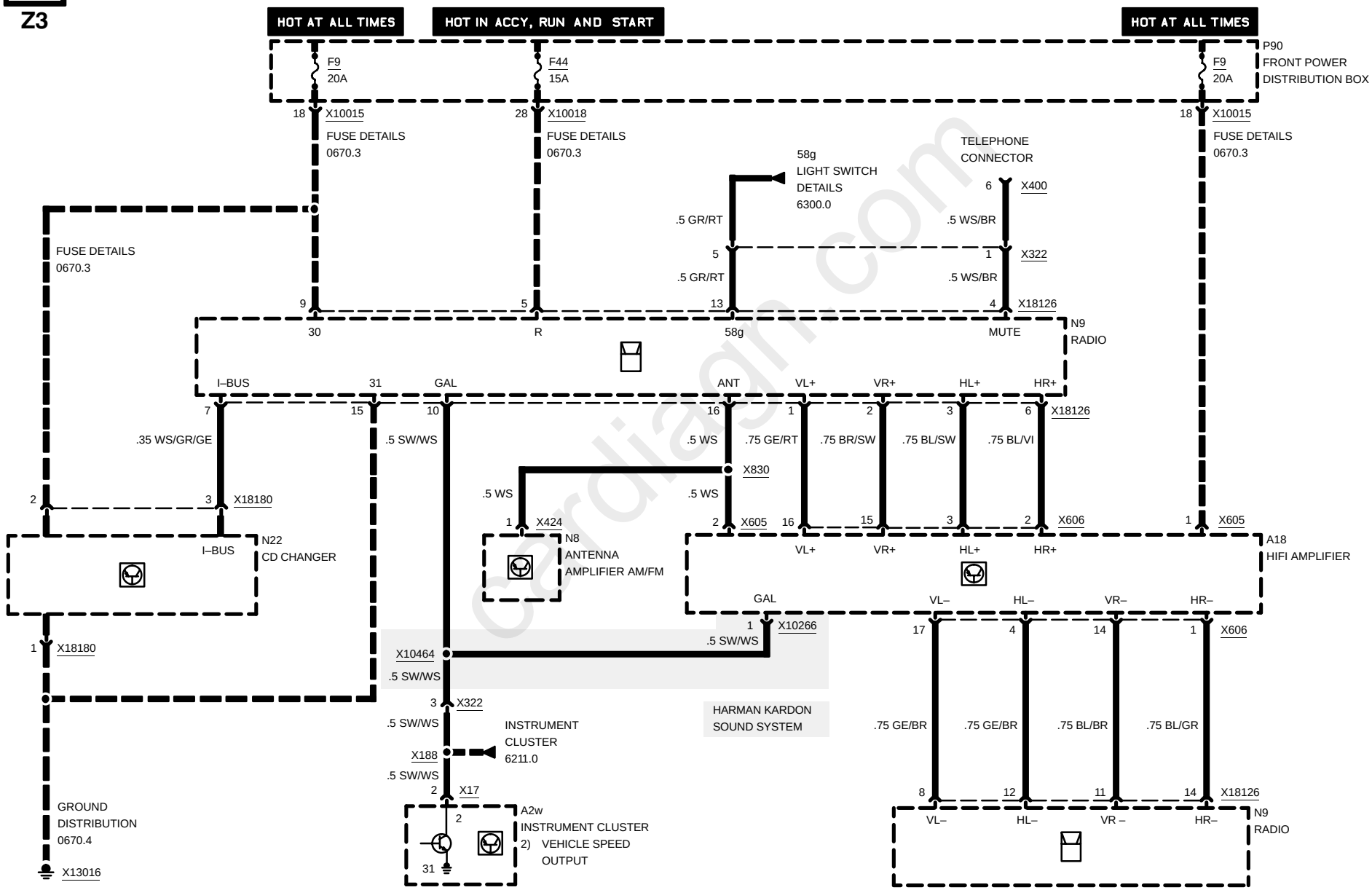
M VERSIONS

AUXILIARY FAN

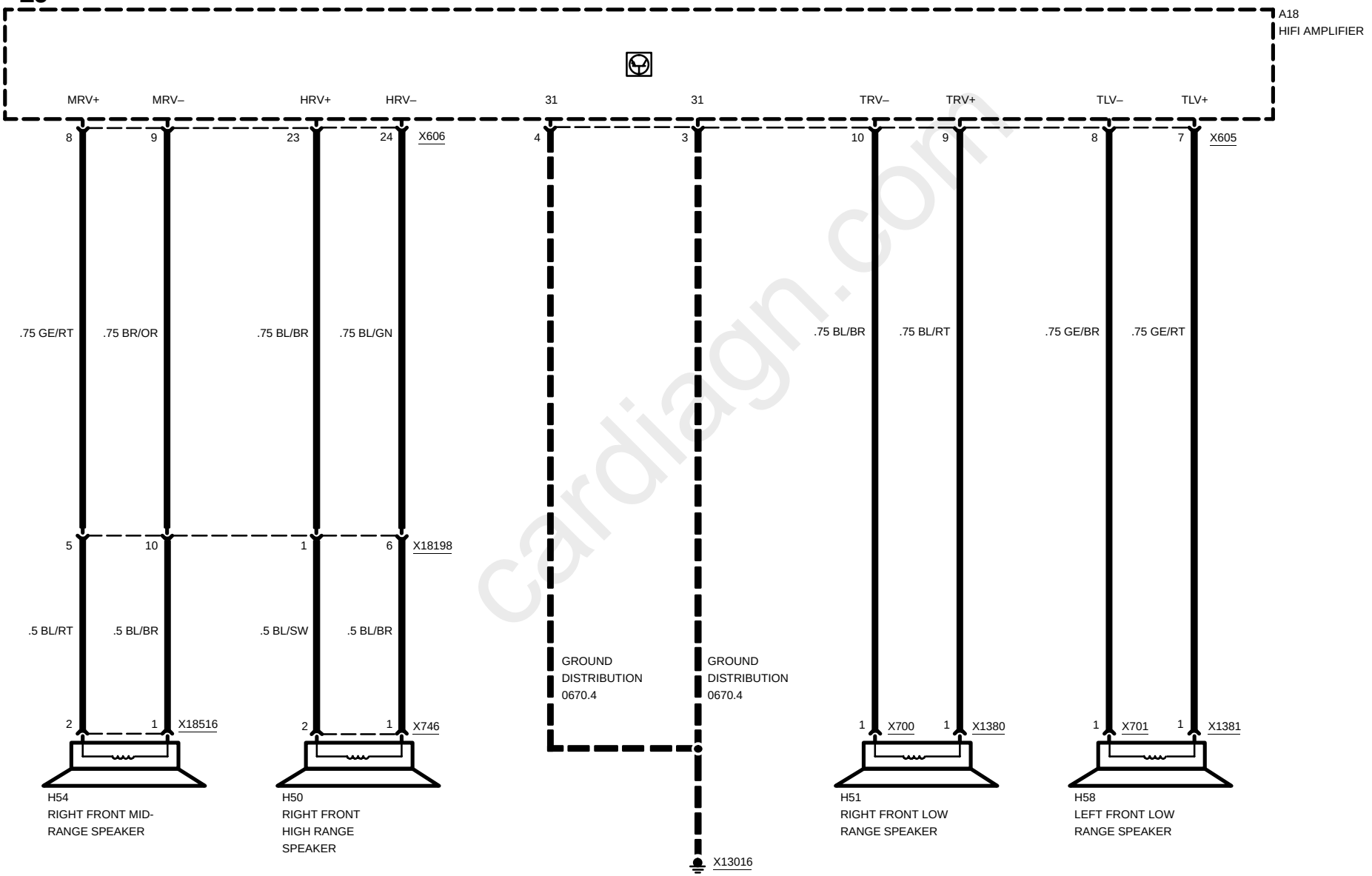


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6510.1 RADIO/HIFI ROADSTER WITH HARMAN KARDON SOUND SYSTEM EARLY PRODUCTION, AND COUPE



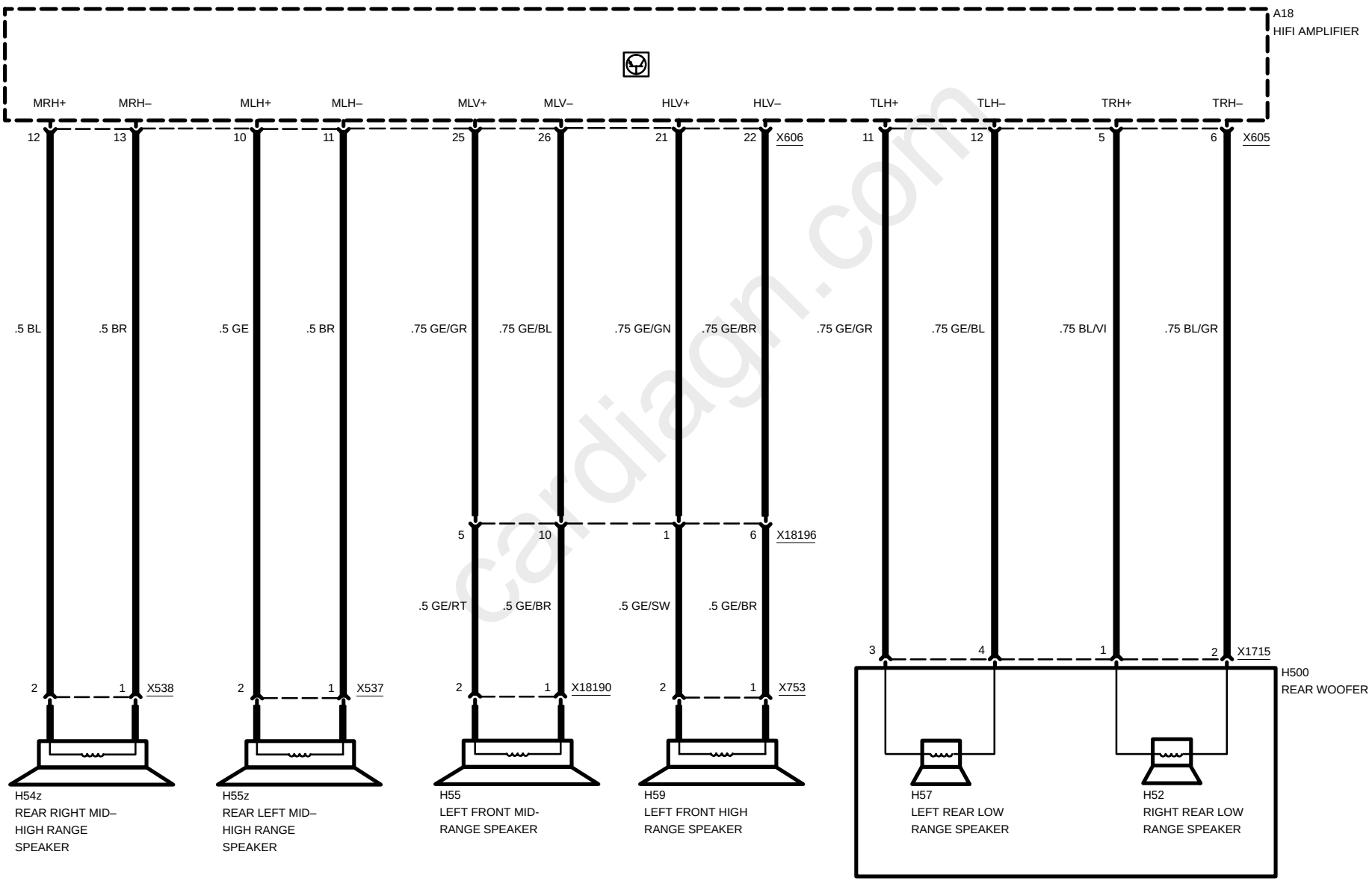
cardiagn.com



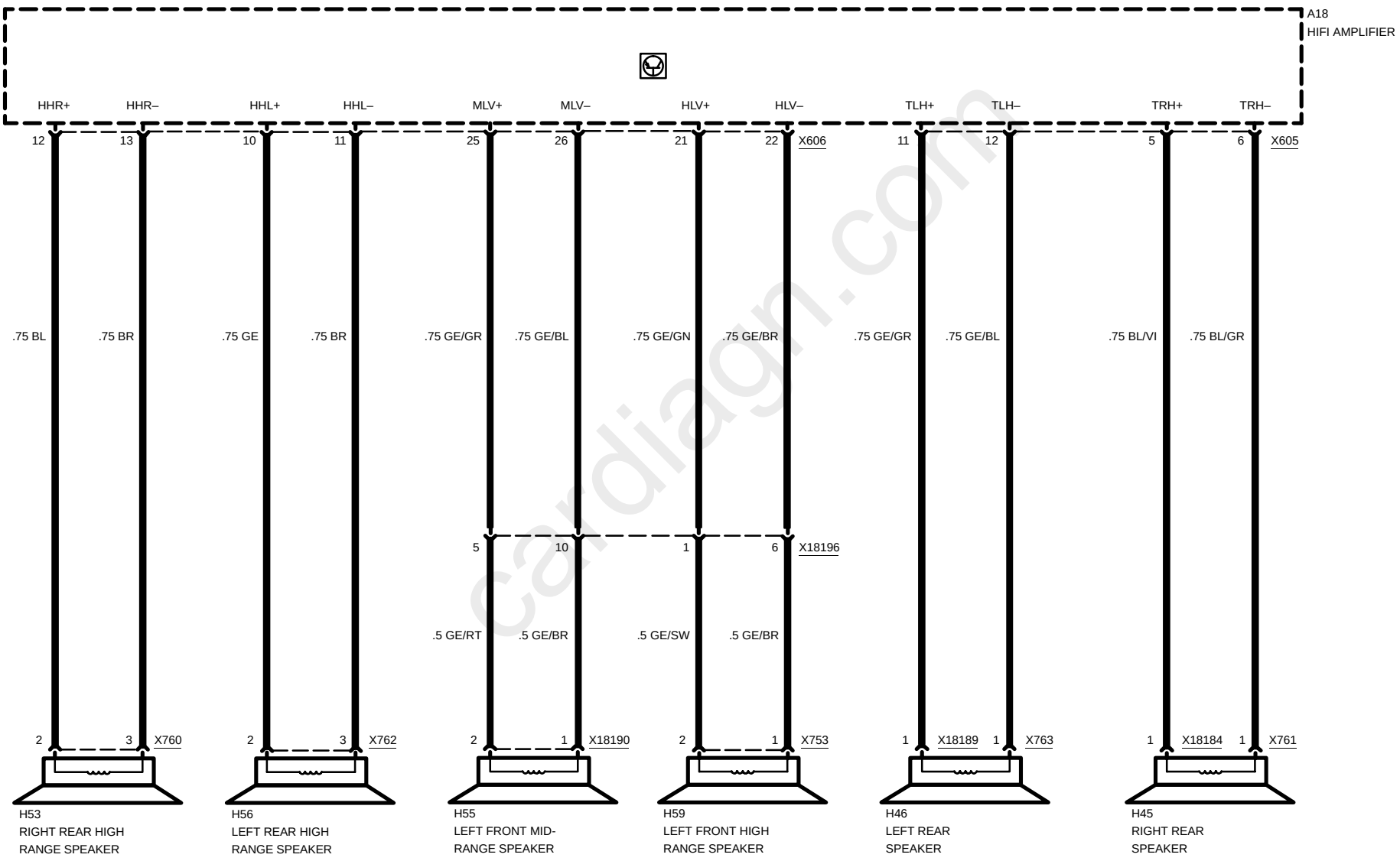
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RADIO/HIFI

WITH HARMAN KARDON SOUND SYSTEM, COUPE, AND ROADSTER EARLY PRODUCTION



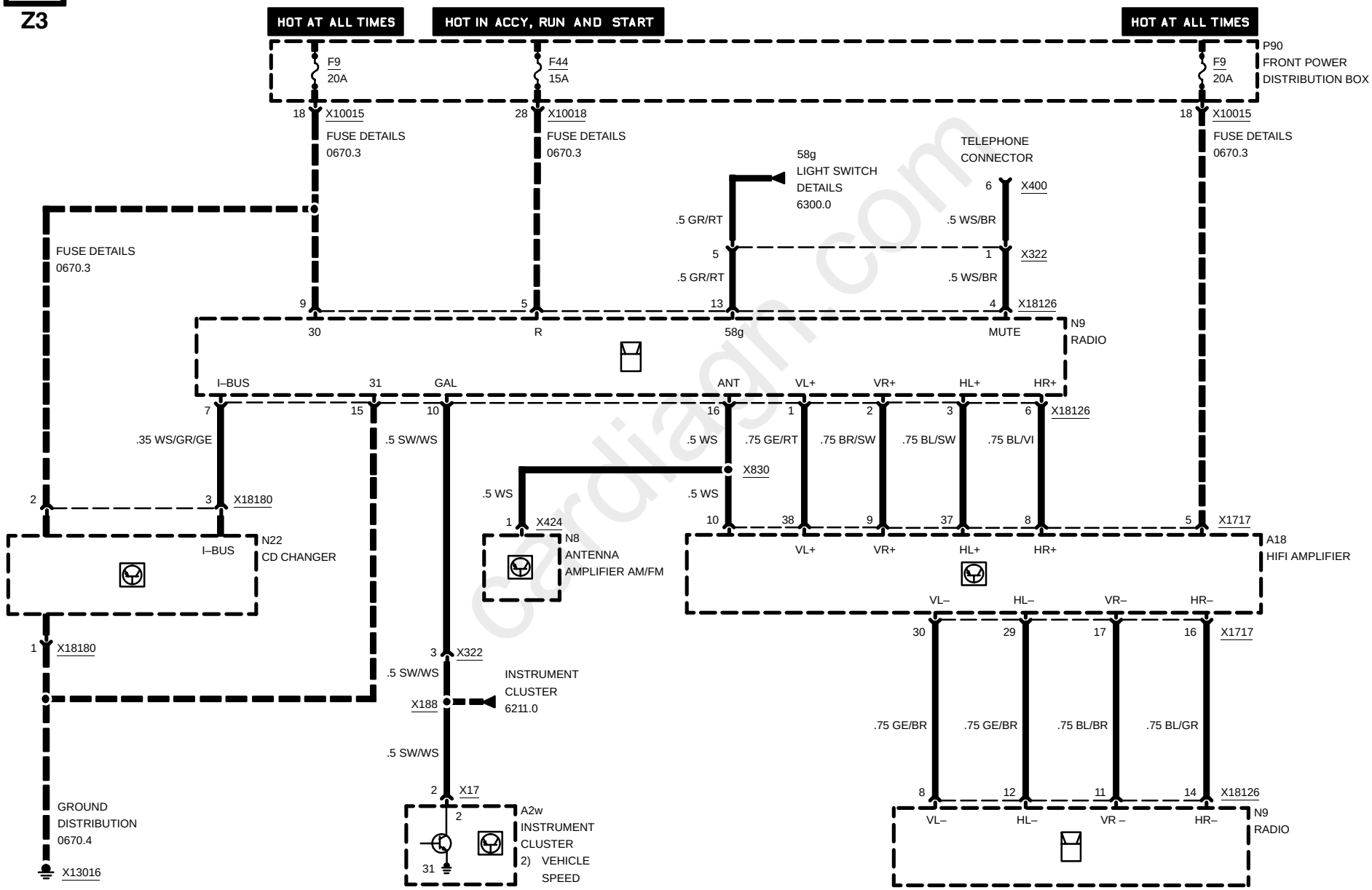
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RADIO/HIFI

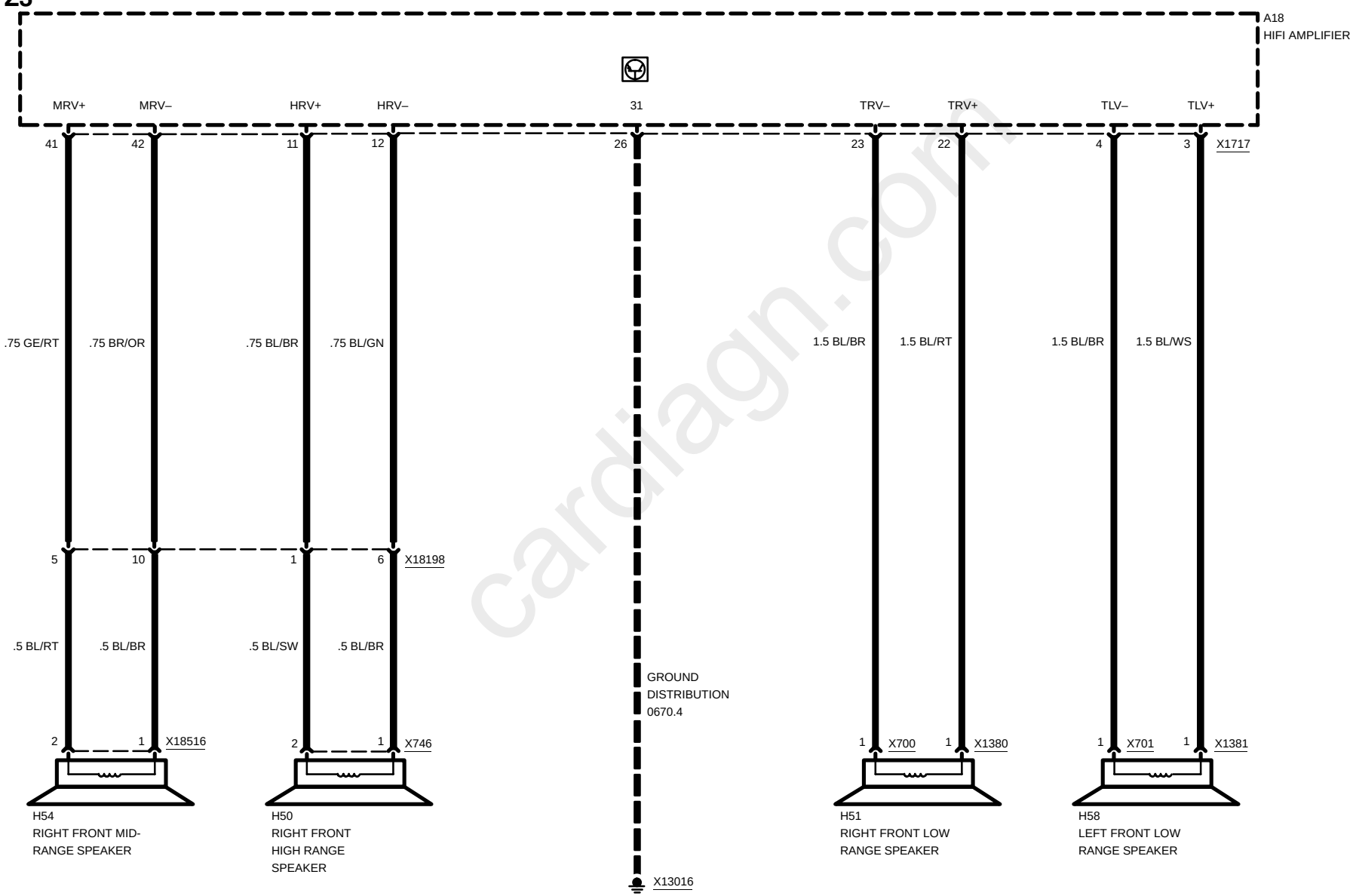
ROADSTER WITH HIFI



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RADIO/HIFI

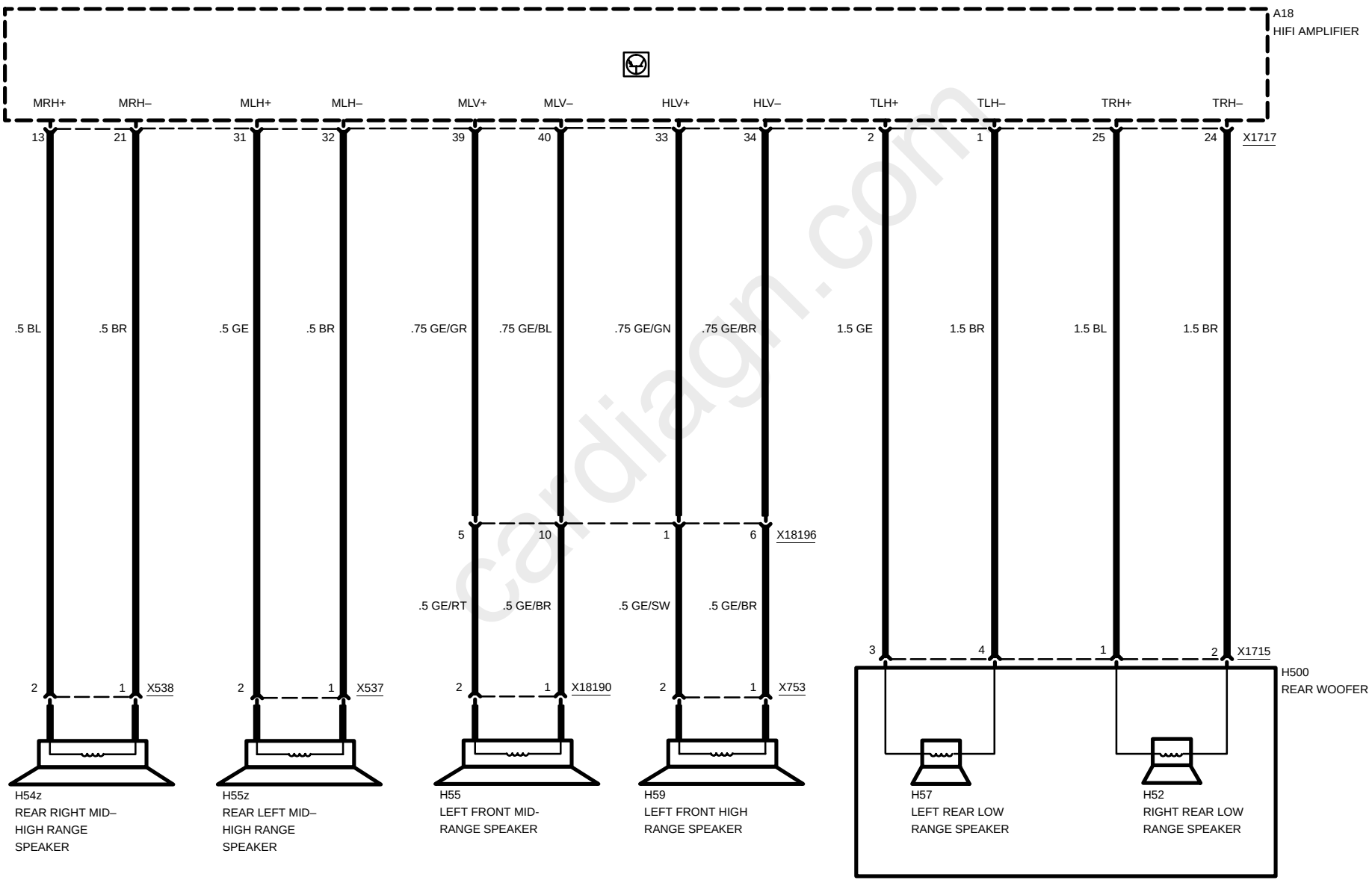
ROADSTER WITH HIFI



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RADIO/HIFI

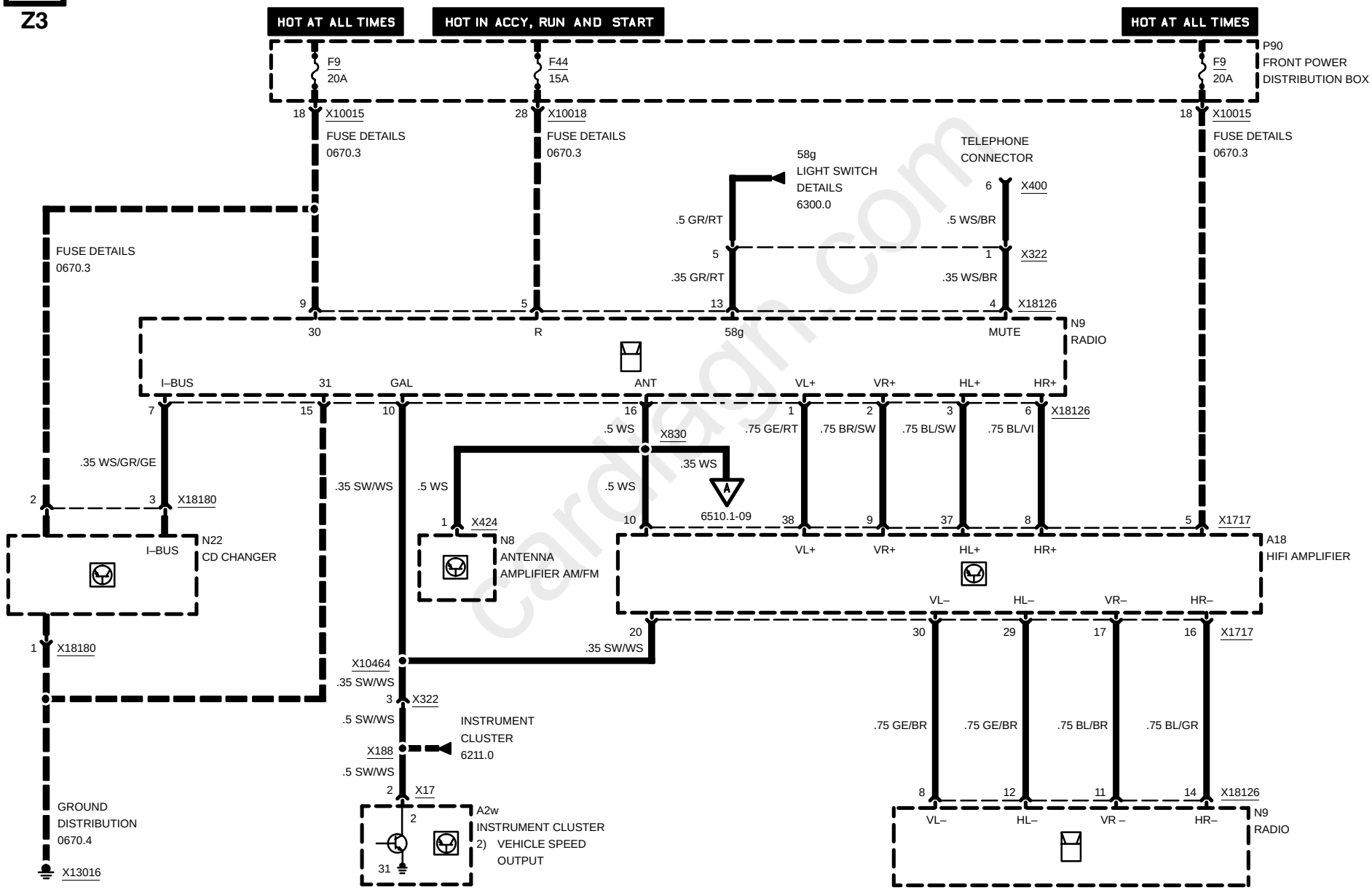
ROADSTER WITH HIFI



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RADIO/HIFI

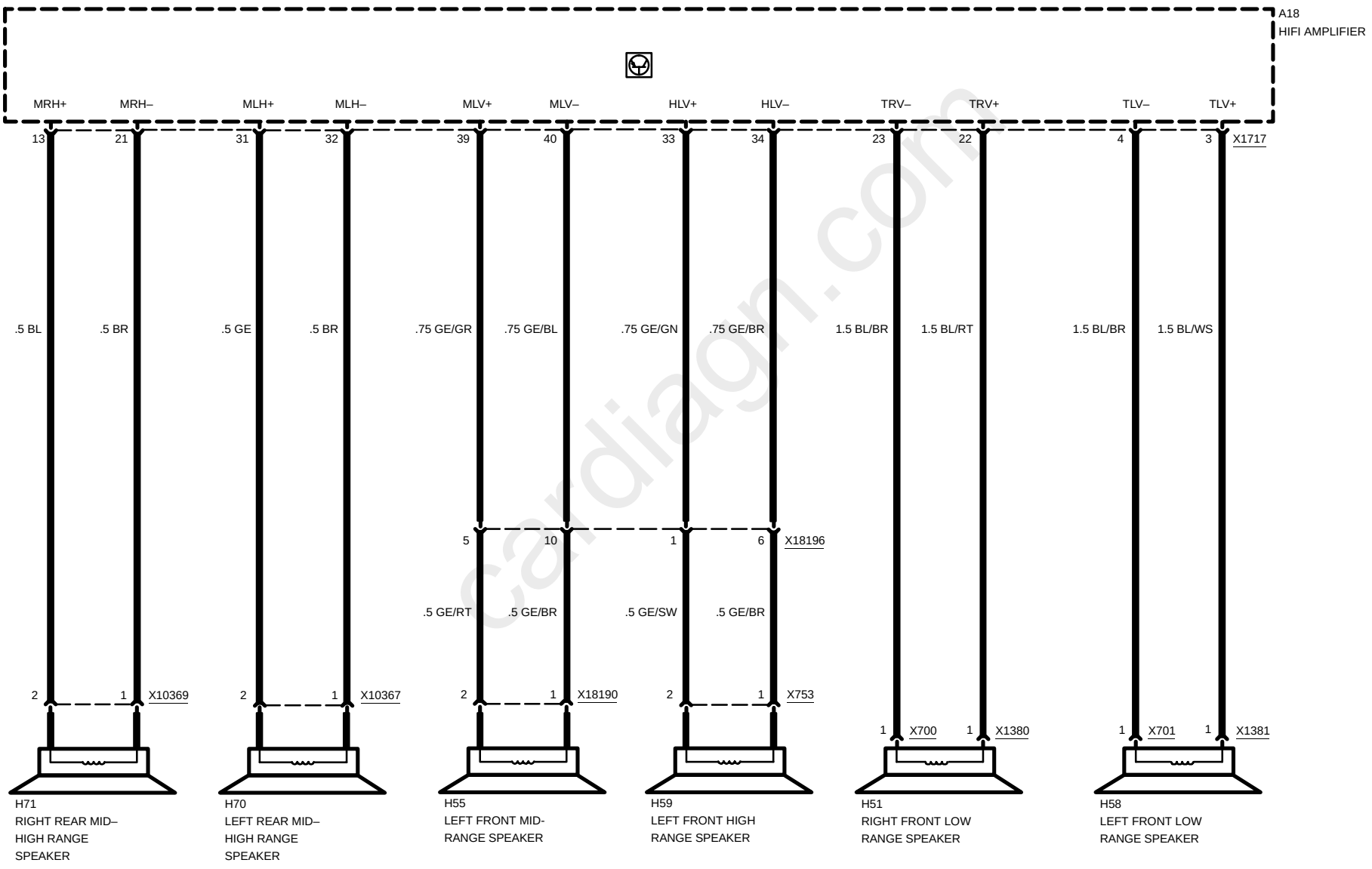
ROADSTER WITH HARMAN KARDON SOUND SYSTEM LATE PRODUCTION



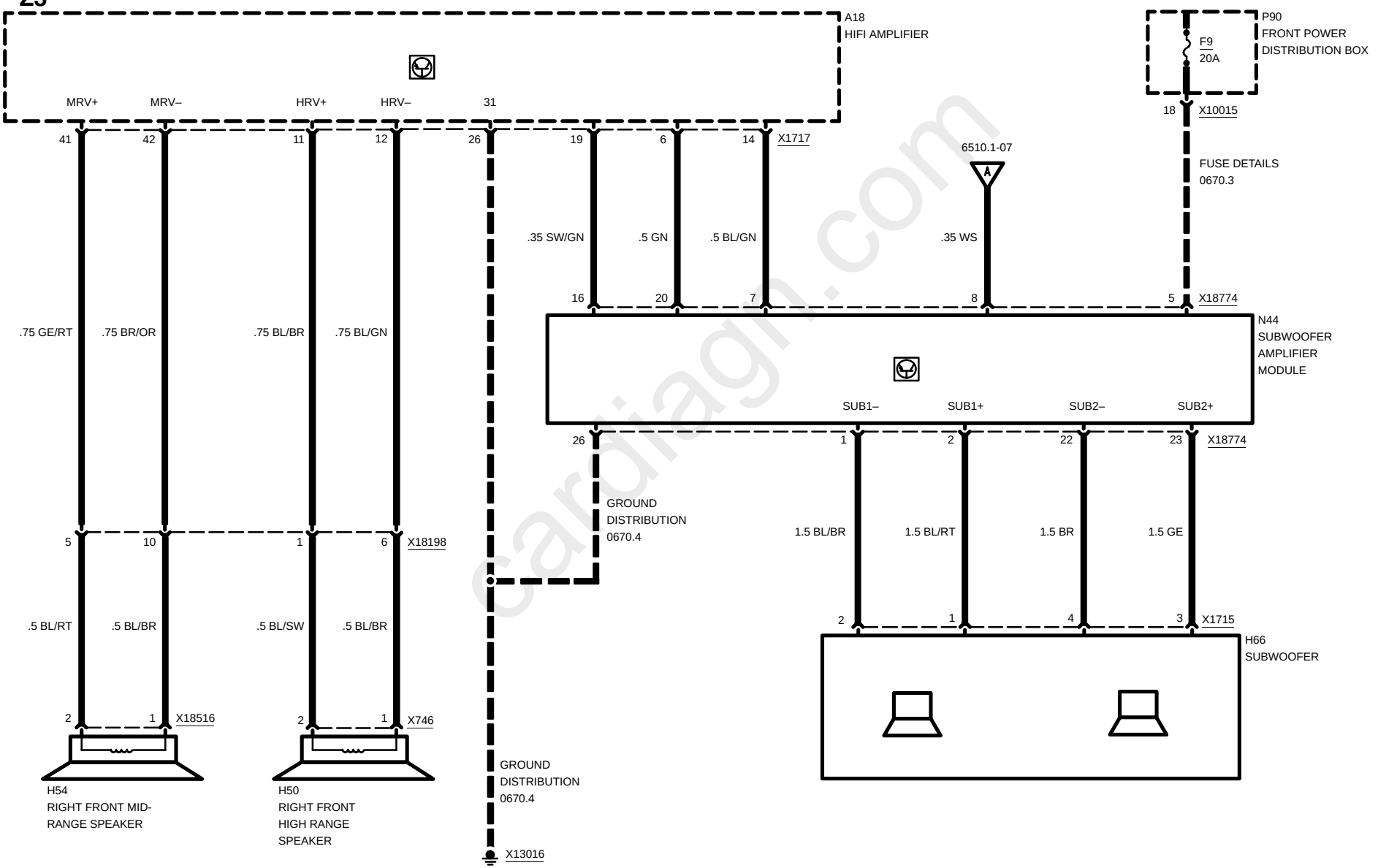
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RADIO/HIFI

ROADSTER WITH HARMAN KARDON SOUND SYSTEM LATE PRODUCTION

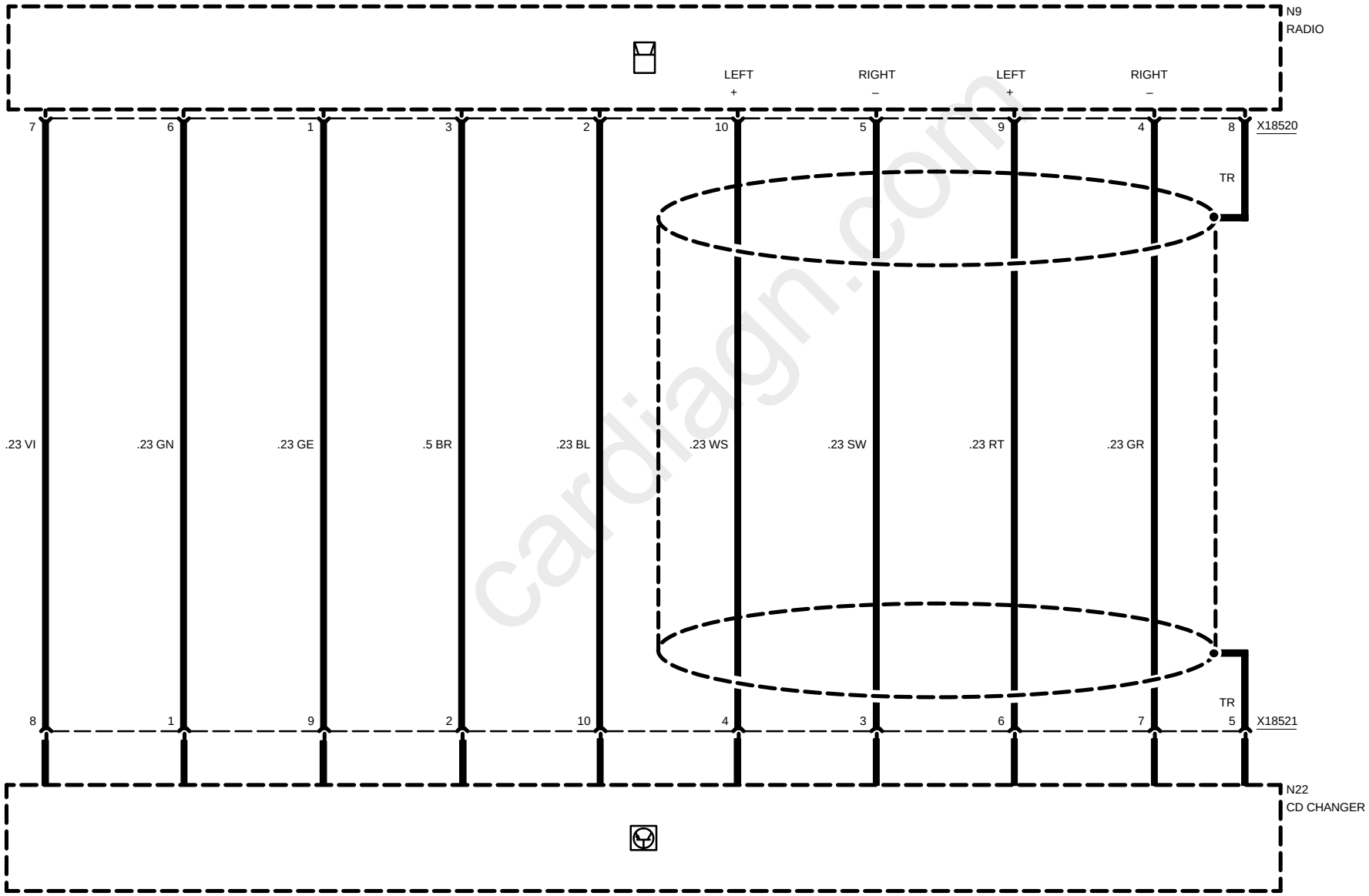


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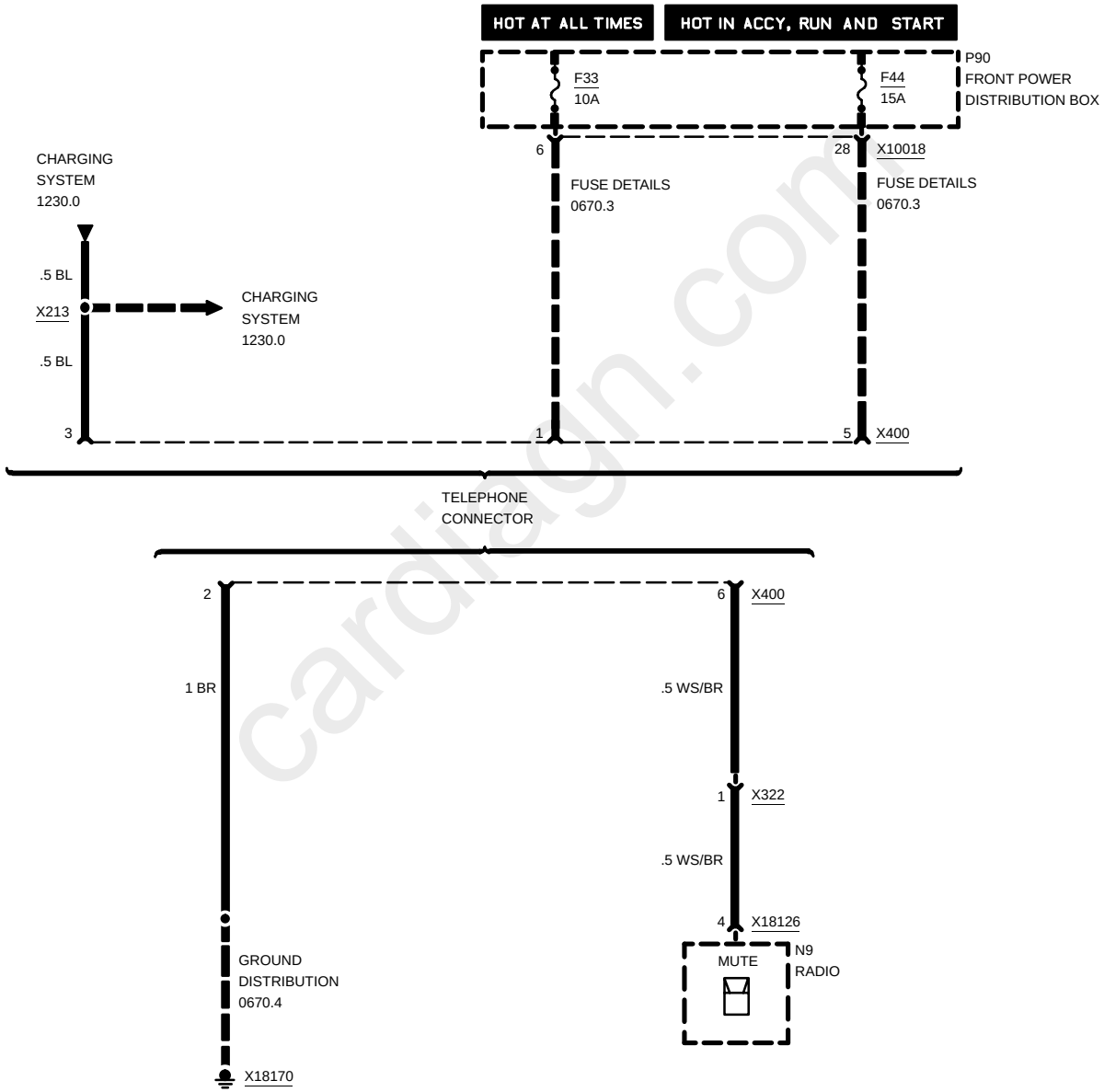
RADIO/HIFI



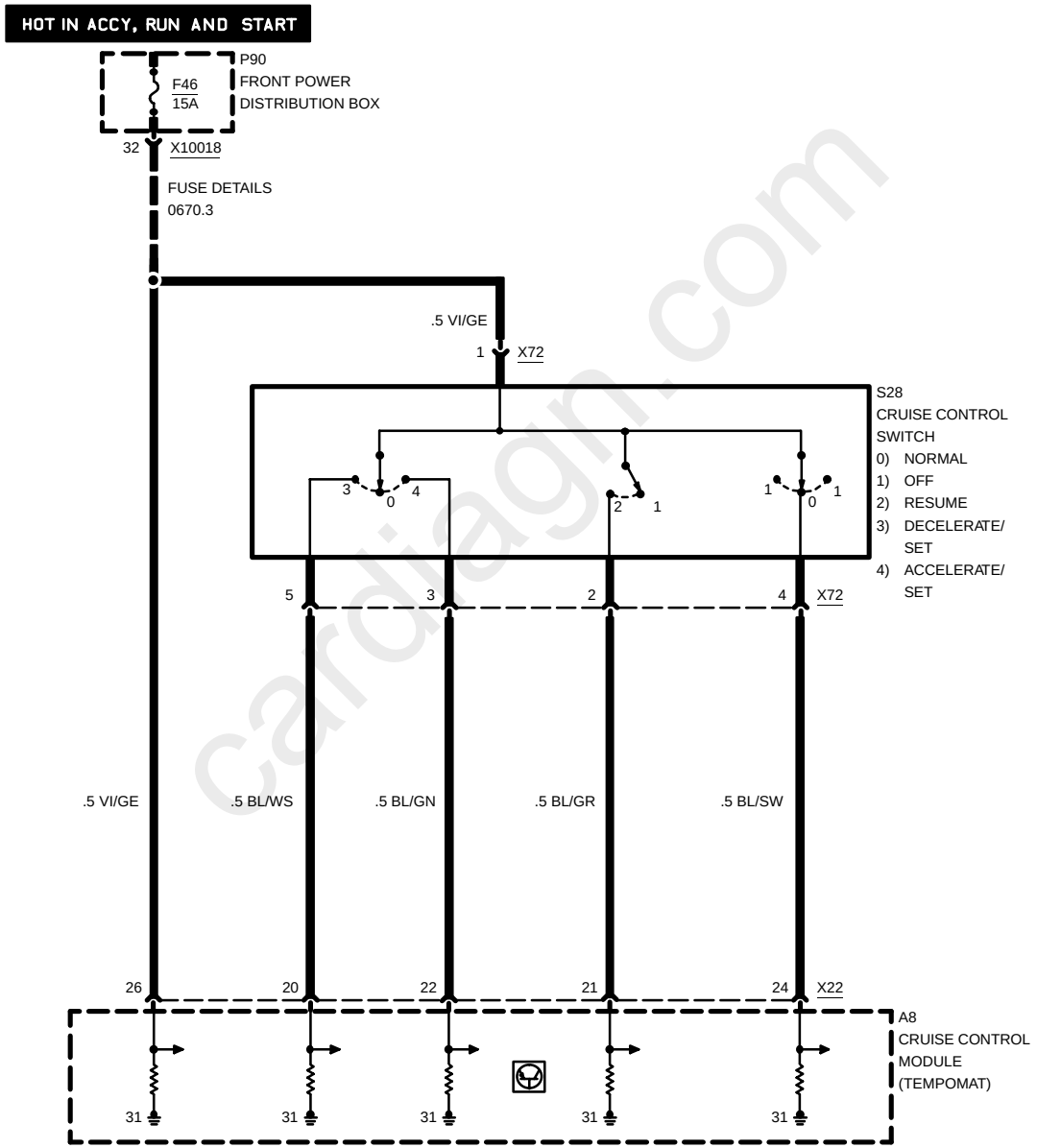
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6561.0 CELLULAR TELEPHONE (PROVISIONS)

PROVISIONS



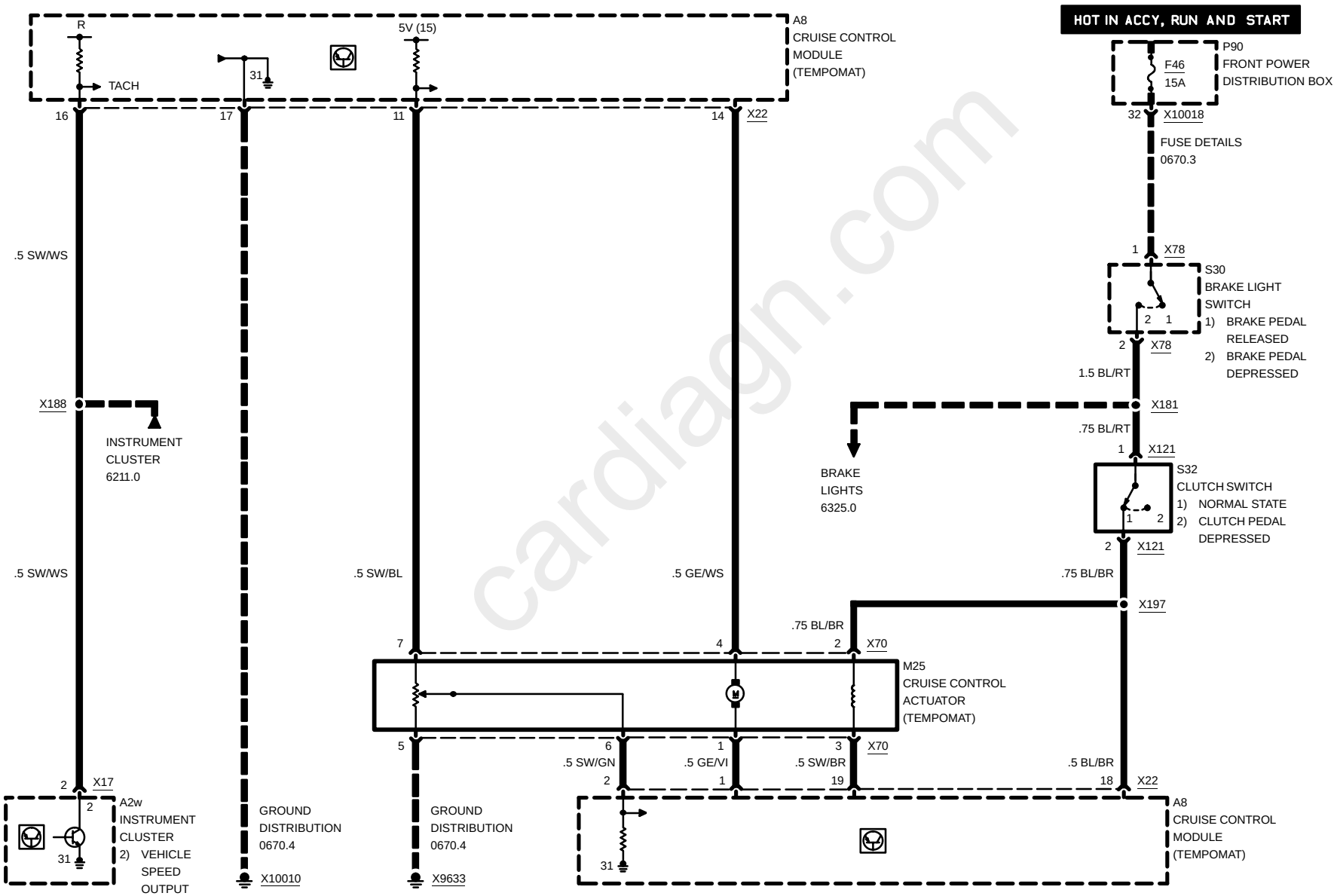
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CRUISE CONTROL (TEMPOMAT)

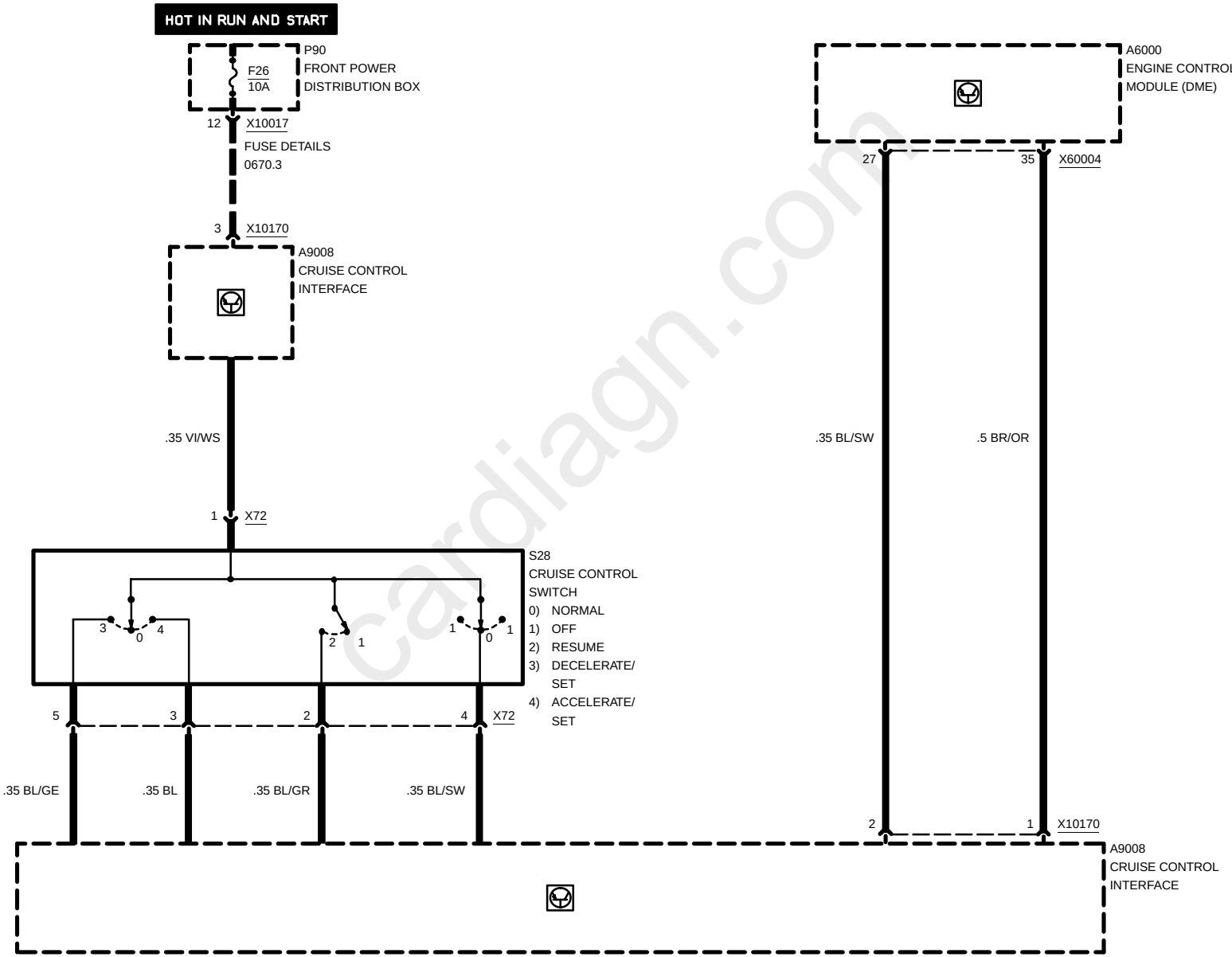
M VERSIONS



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CRUISE CONTROL (TEMPOMAT)

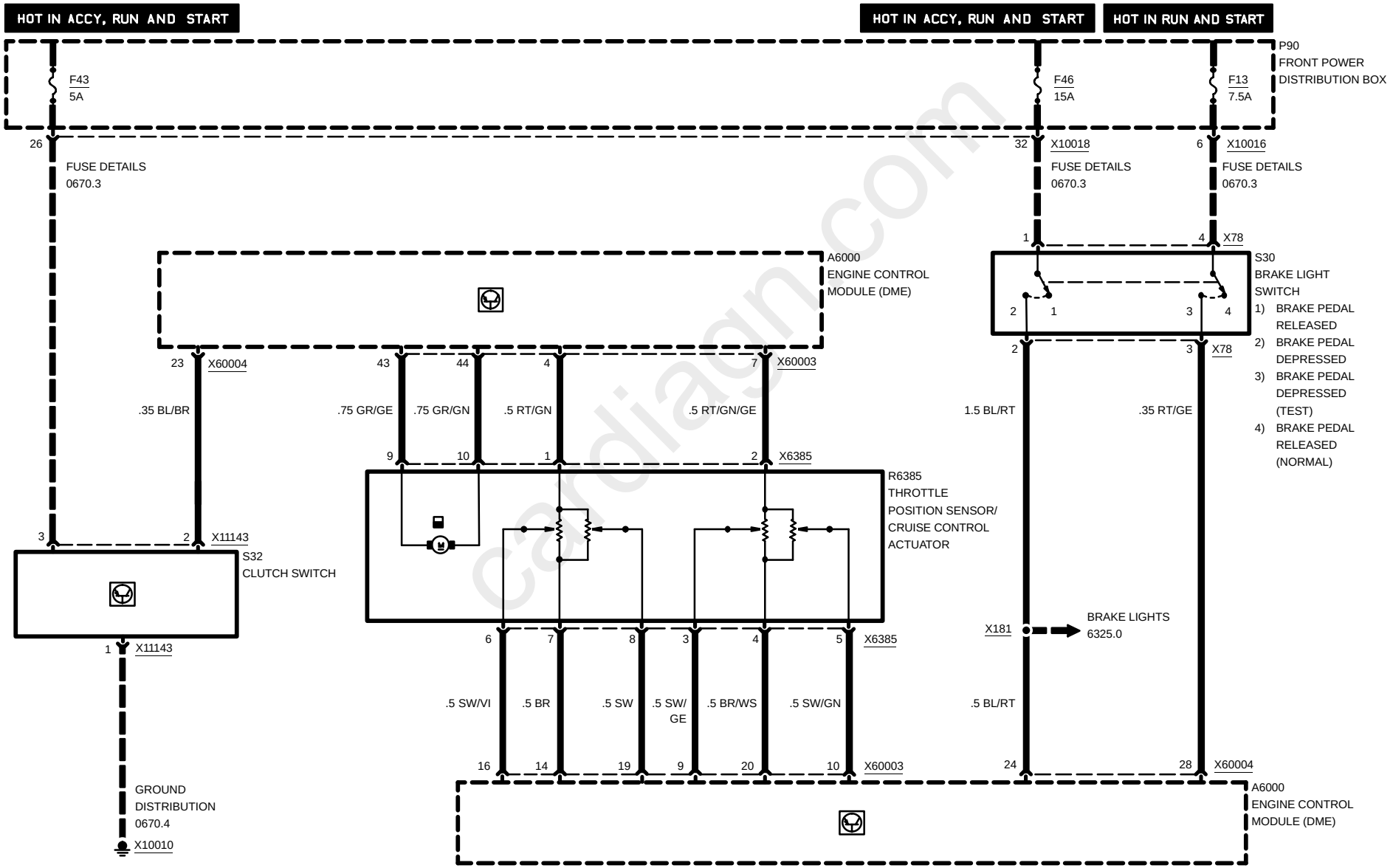
Z3 VERSIONS



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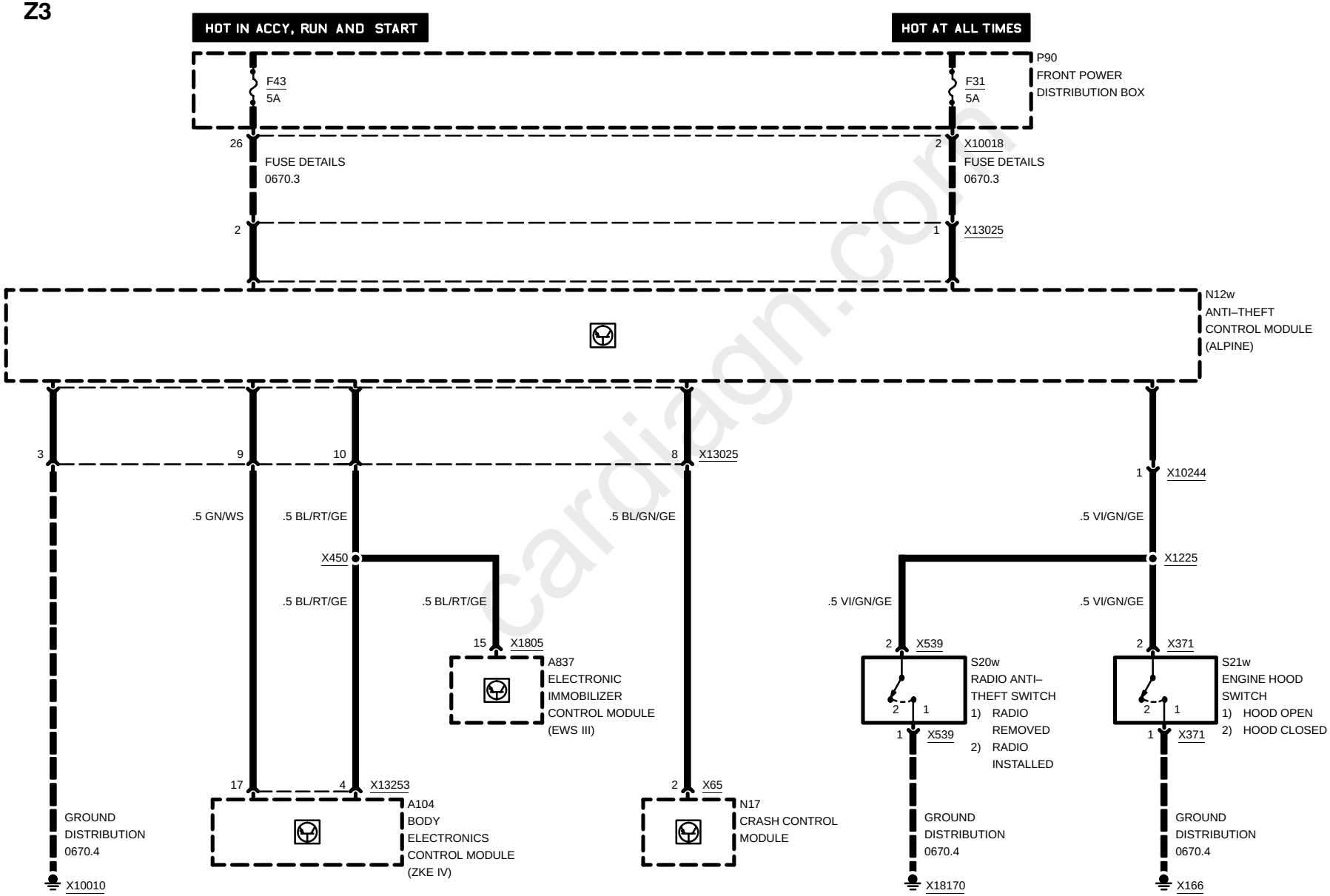
CRUISE CONTROL (TEMPOMAT)

Z3 VERSIONS



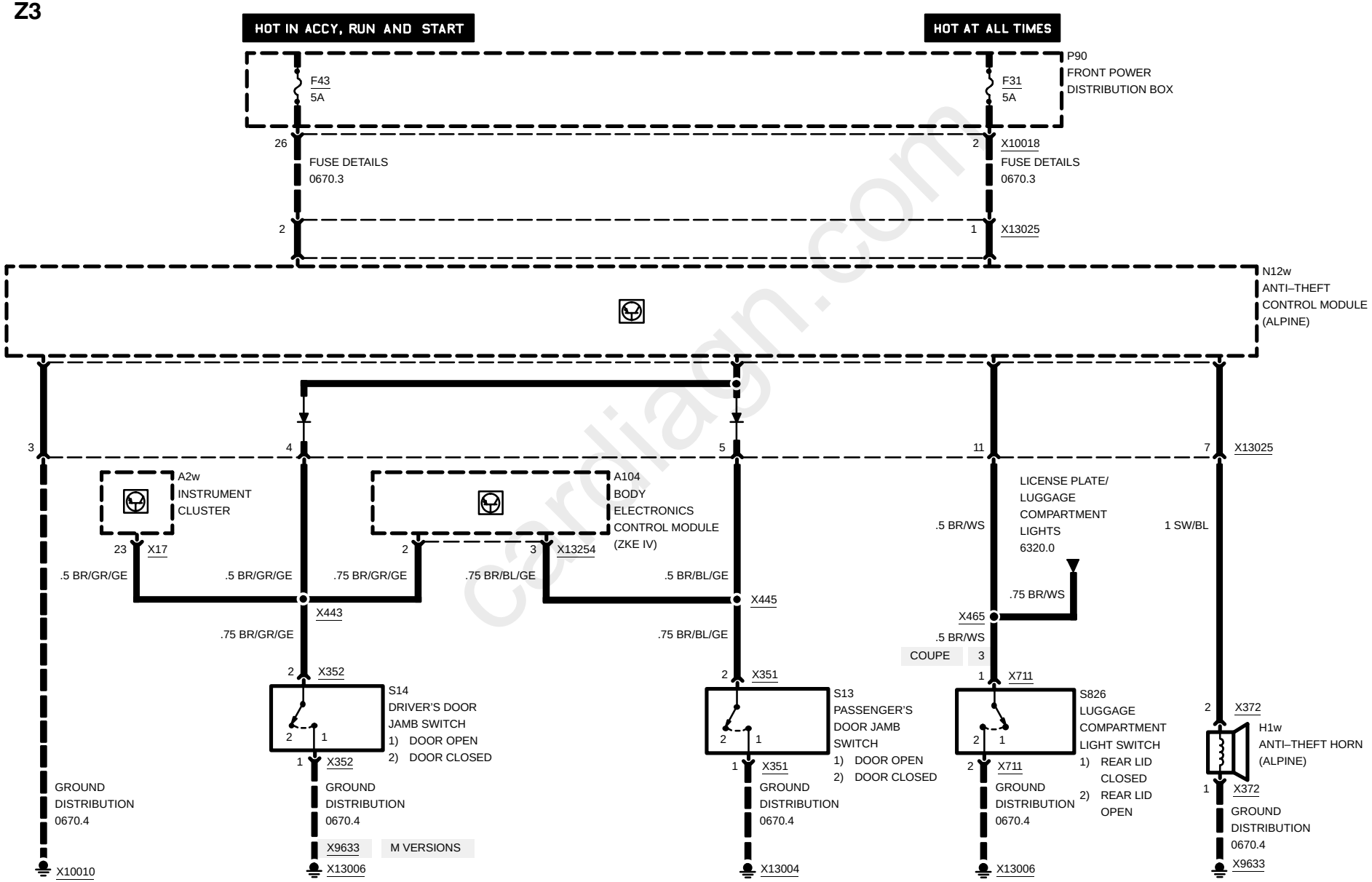
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6575.2 ANTI–THEFT SYSTEM (ALPINE)



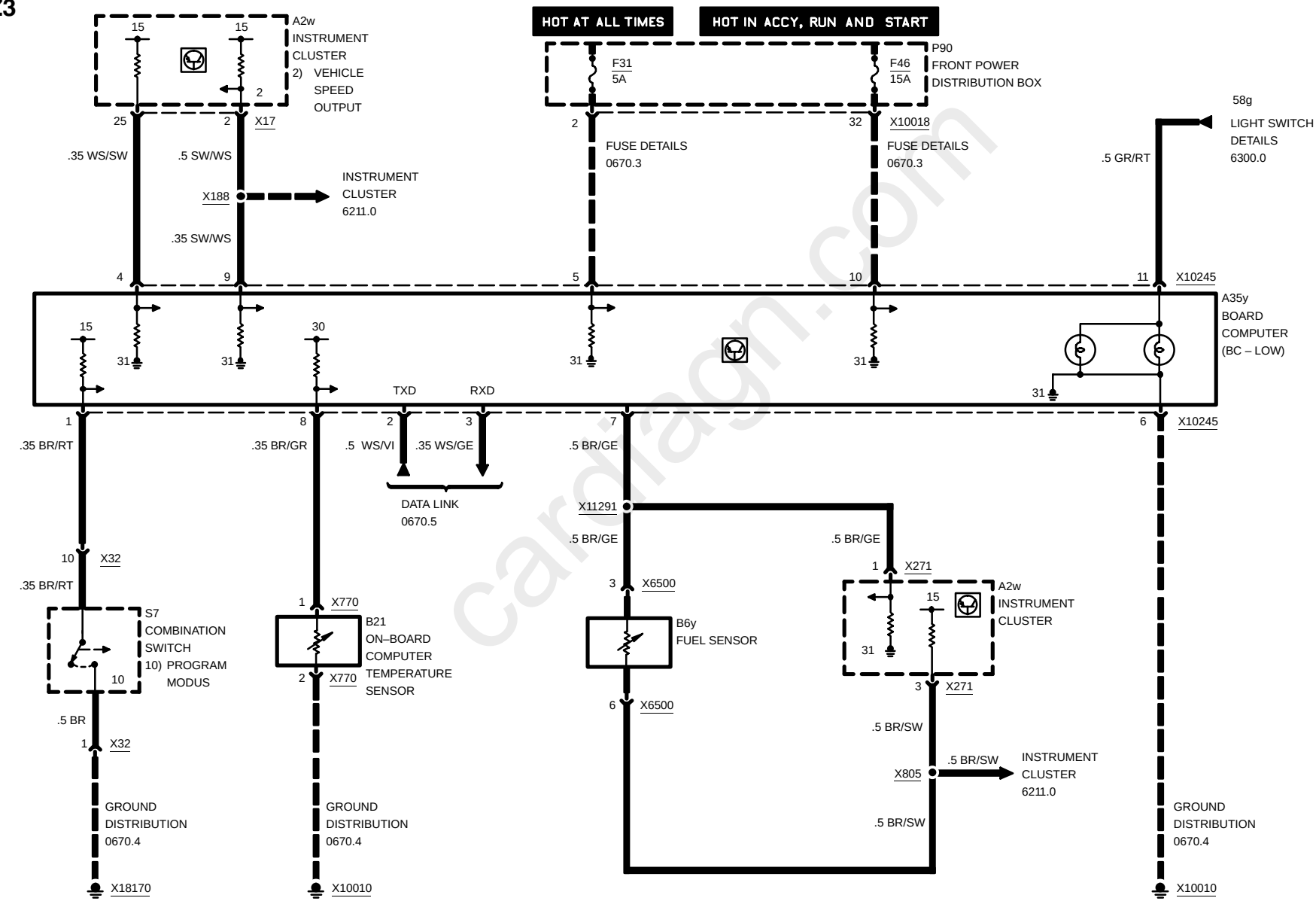
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ANTI–THEFT SYSTEM (ALPINE)



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6581.3 BOARD COMPUTER (BC – LOW)



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7000.0 COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
A2w	INSTRUMENT CLUSTER	LH side of dash	20-2	
A8	CRUISE CONTROL MODULE (TEMPOMAT)	behind glove box	00-2	
A12	SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE	below center console	22-2	
A18	HIFI AMPLIFIER	in RH side of luggage compartment (ROADSTER)	27-3	
A18	HIFI AMPLIFIER	in RH side of luggage compartment (COUPE)	40-3	
A22z	ELECTROCHROMIC REAR VIEW MIRROR	in interior rear view mirror		
A35y	BOARD COMPUTER (BC – LOW)	center console	00-3	
A36	REAR WIPER/WASHER INTERVAL CONTROL MODULE	in lift gate	37-2	
A51	WIPER/WASHER MODULE	behind glove box	50-1	
A52	SLIP CONTROL MODULE (ABS/ASC)	front LH side of engine compartment (Z3 VERSIONS)	41-1	
A52	SLIP CONTROL MODULE (ABS/ASC)	behind glove box (M VERSIONS)	00-2	
A65	DYNAMIC STABILITY CONTROL UNIT (DSC)	LH side of engine compartment	46-3	
A104	BODY ELECTRONICS CONTROL MODULE (ZKE IV)	behind glove box	50-1	
A110	DIGITAL CLOCK	center console		
A113	SEAT OCCUPANCY DETECTOR	under RH front seat	24-1	
A113	SEAT OCCUPANCY DETECTOR	under RH front seat (WITH SPORT SEAT)	11-2	
A605	FUSE HOLDER	center console (radio and console removed)	36-1	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
A837	ELECTRONIC IMMOBILIZER CONTROL MODULE (EWS III)	LH side of steering column	49-1	
A6000	ENGINE CONTROL MODULE (DME)	rear RH side of engine compartment in E–Box (M VERSIONS)	00-1	
A6000	ENGINE CONTROL MODULE (DME)	rear RH side of engine compartment in E–Box (Z3 VERSIONS)	47-2	
A8500	TRANSMISSION CONTROL MODULE (EGS)	rear RH side of engine compartment in E–Box	47-1	
A9008	CRUISE CONTROL INTERFACE	near steering column	49-1	
A19007	THERMAL OIL LEVEL SENSOR (TOENS) CONTROL MODULE	behind glove box	50-2	
B1	RIGHT FRONT SPEED SENSOR – ABS	on RH front wheel, above brake caliper		
B2	LEFT FRONT SPEED SENSOR – ABS	on LH front wheel, above brake caliper	12-3	
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		
B6y	FUEL SENSOR	in fuel tank		
B8y	PRESSURE SWITCH	front RH side of engine compartment		
B9	INTERMEDIATE PRESSURE SWITCH	front RH side of engine compartment		
B10	VEHICLE SPEED SENSOR	on differential	15-2	
B14	EVAPORATOR TEMPERATURE SENSOR	RH side of LH footwell	21-2	
B16	LEFT FRONT BRAKE PAD SENSOR	on LH front wheel, above brake caliper	12-3	
B17	RIGHT REAR BRAKE PAD SENSOR	behind RH rear wheel		
B18	BRAKE FLUID LEVEL SWITCH	rear LH side of engine compartment	09-1	
B21	ON–BOARD COMPUTER TEMPERATURE SENSOR	in RH front bumper	11-3	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
B59	OIL TEMPERATURE GAUGE	center console		
B65	FUEL TANK PRESSURE SENSOR	under rear storage compartment	07-2	
B74	TRANSVERSE ACCELERATION SENSOR	under driver's seat	49-2	
B75	RPM RATE SENSOR	under driver's seat	49-2	
B76	PRESSURE SENSOR	rear LH side of engine compartment	48-1	
B78	DRIVER'S SIDE IMPACT SENSOR	under LH front seat	35-3	
B79	PASSENGER'S SIDE IMPACT SENSOR	under RH front seat	35-1	
B211	VOLTMETER	center console		
B6203	CRANKSHAFT POSITION/RPM SENSOR	rear LH side of engine compartment (M VERSIONS)	32-3	
B6203	CRANKSHAFT POSITION/RPM SENSOR	rear LH side of engine compartment (Z3 VERSIONS)	45-1	
B6204	CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION)	front of engine	31-3	
B6205	INTAKE AIR TEMPERATURE SENSOR	front LH side of engine compartment (M VERSIONS)	34-1	
B6205	INTAKE AIR TEMPERATURE SENSOR	top center of engine (Z3 VERSIONS)	45-3	
B6207	HOT FILM AIR MASS METER	LH side of engine compartment (M VERSIONS)	33-3	
B6207	HOT FILM AIR MASS METER	LH side of engine compartment (Z3 VERSIONS)		
B6209	HALL EFFECT CAMSHAFT SENSOR	front of engine		
B6214	CAMSHAFT POSITION SENSOR 1 (INLET)	front of engine		
B6224	CAMSHAFT POSITION SENSOR 2 (OUTLET)	front of engine	45-2	
B6231	OIL PRESSURE SWITCH	lower LH side of engine (M VERSIONS)	32-2	
B6231	OIL PRESSURE SWITCH	LH side of engine compartment (Z3 VERSIONS)	43-2	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
B6232	ENGINE COOLANT TEMPERATURE SENSOR	front of engine		
B6236	ENGINE COOLANT TEMPERATURE SENSOR	front of engine	44-2	
B6238	OIL TEMPERATURE SENSOR	RH side of oil filter (M VERSIONS)	32-2	
B6238	OIL TEMPERATURE SENSOR	RH side of oil filter (Z3 VERSIONS)	43-2	
B6240	KNOCK SENSOR	LH side of engine (Z3 VERSIONS)	46-2	
B6240	KNOCK SENSOR	top front of engine (M VERSIONS)	33-2	
B6247	CHARCOAL FILTER SHUT–OFF VALVE	under LH rear of car	12-1	
B6254	THERMAL OIL LEVEL SWITCH	lower LH side of engine compartment	41-2	
B6256	DUAL TEMPERATURE SENSOR (COOLANT TEMPERATURE)	rear of engine compartment	32-1	
B6279	THERMOSTAT, CHARACTERISTIC MAP COOLING	front of engine	44-3	
B9508	PRESSURE SWITCH	front RH side of engine compartment	30-2	
B62101	OXYGEN SENSOR I (IN FRONT OF CATALYTIC CONVERTER)	on catalytic converter	44-1	
B62102	OXYGEN SENSOR I (BEHIND CATALYTIC CONVERTER)	on catalytic converter		
B62201	OXYGEN SENSOR II (IN FRONT OF CATALYTIC CONVERTER)	on catalytic converter	44-1	
B62202	OXYGEN SENSOR II (BEHIND CATALYTIC CONVERTER)	on catalytic converter		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
C100	CONTACT RING	top of steering column		
C101	CONTACT RING	top of steering column	36-3	
D100	DATA LINK CONNECTOR	rear RH side of engine compartment (M VERSIONS)	31-1	
D100	DATA LINK CONNECTOR	rear LH side of engine compartment (Z3 VERSIONS)	41-1	
D110	OBD II CONNECTOR	center console right	28-3	
E7	LEFT HEADLIGHT	front LH side of engine compartment		
E8	RIGHT HEADLIGHT	front RH side of engine compartment		
E9	REAR DEFOGGER I	hard top		
E11	LEFT HIGH BEAM LIGHT	near front LH headlight	29-1	
E12	RIGHT HIGH BEAM LIGHT	near front RH headlight		
E13	LEFT LOW BEAM LIGHT	near front LH headlight	29-1	
E14	RIGHT LOW BEAM LIGHT	near front RH headlight	29-3	
E15	LEFT PARK LIGHT	near front LH headlight		
E16	LEFT REAR LIGHT ASSEMBLY	LH side of body rear end		
E17	RIGHT REAR LIGHT ASSEMBLY	RH side of body rear end	01-1	
E19	RIGHT PARK LIGHT	near front RH headlight		
E21	LEFT FRONT MARKER LIGHT	front of vehicle		
E22	RIGHT FRONT MARKER LIGHT	front of vehicle		
E25	FRONT ASHTRAY LIGHT	center console		
E26	LEFT FOG LIGHT	under LH front bumper		
E27	RIGHT FOG LIGHT	under RH front bumper	13-2	
E28	FRONT CIGAR LIGHTER	center console		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
E28a	CIGAR LIGHTER CONNECTION	TIRE INFLATION SYSTEM		
E29	FRONT CIGAR LIGHTER LIGHT	center console	22-3	
E32	LUGGAGE COMPARTMENT LIGHT	in luggage compartment (ROADSTER)		
E32	LUGGAGE COMPARTMENT LIGHT	in roof panel (COUPE)		
E34	FRONT DOME LIGHT/MAP READING ASSEMBLY	in roof panel		
E43	LEFT LICENSE PLATE LIGHT	underside of luggage compartment lid, near license plate		
E44	RIGHT LICENSE PLATE LIGHT	underside of luggage compartment lid, near license plate		
E51	LEFT WASHER JET HEATER	on underside of engine hood	37-1	
E52	RIGHT WASHER JET HEATER	on underside of engine hood	37-1	
E56	DRIVER'S SEATBACK HEATER	in top of LH backrest		
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 top of RH backrest		
E82	TRANSMISSION POSITION INDICATOR LIGHT	center console	22-1	
E96	GEAR SHIFT LEVER INDICATOR	center console		
E99	HARD TOP CONNECTOR 1	near LH rear wheel well		
E105	HEAT/A/C CONTROL PANEL ILLUMINATION	center of dash	21-3	
E106	HEAT/A/C CONTROL PANEL ILLUMINATION	center of dash	21-3	
E800	FRONT LEFT INTERIOR LIGHT	near interior rear view mirror		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
F97	FUSIBLE LINK	in RH side of luggage compartment	01-1	
G1	BATTERY	in RH side of luggage compartment	01-1	
G5	DRIVER'S AIR BAG GAS GENERATOR	behind steering wheel		
G6	PASSENGER'S AIR BAG GAS GENERATOR	behind glove box above		
G12	DRIVER'S SIDE PYROTECHNICAL BELT TENSIONER	in LH front seat belt buckle	36-2	
G13	PASSENGER'S SIDE PYROTECHNICAL BELT TENSIONER	in RH front seat belt buckle	36-2	
G14	LEFT SIDE AIR BAG GAS GENERATOR	LH front door	16-2	
G15	RIGHT SIDE AIR BAG GAS GENERATOR	RH front door	35-2	
G19	BATTERY SAFETY TERMINAL	RH side of luggage compartment	01-3	
G6400	B+ JUNCTION POINT E–BOX	rear RH side of engine compartment in E–Box	48-3	
G6430	B+ JUMP START JUNCTION POINT	rear RH side of engine compartment	01-2	
G6509	GENERATOR	front LH side of engine compartment	02-3	
G7512	B+ JUNCTION POINT	below LH side of dash		
H1w	ANTI–THEFT HORN (ALPINE)	rear LH side of engine compartment	09-1	
H2	LEFT HORN	under LH front bumper		
H3	RIGHT HORN	RH front of wheel well	13-2	
H4	RIGHT FRONT TURN LIGHT	front of vehicle		
H7	LEFT FRONT TURN LIGHT	front of vehicle		
H8	RIGHT FRONT AUXILIARY TURN LIGHT	front of vehicle		
H9	LEFT FRONT AUXILIARY TURN LIGHT	front of vehicle		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
H10	CHIME MODULE	below LH side of dash		
H34	HIGH LEVEL STOP LIGHT	on lift gate (ROADSTER)	38-2	
H34	HIGH LEVEL STOP LIGHT	on lift gate (COUPE)		
H45	RIGHT REAR SPEAKER	in roof panel		
H46	LEFT REAR SPEAKER	in roof panel		
H50	RIGHT FRONT HIGH RANGE SPEAKER	in upper RH front door		
H51	RIGHT FRONT LOW RANGE SPEAKER	in lower RH A–pillar		
H52	RIGHT REAR LOW RANGE SPEAKER	in rear speaker box		
H53	RIGHT REAR HIGH RANGE SPEAKER	in roof panel		
H54	RIGHT FRONT MIDRANGE SPEAKER	in upper RH front door		
H54z	REAR RIGHT MID–HIGH RANGE SPEAKER	in rear speaker box (ROADSTER)	07-3	
H54z	REAR RIGHT MID–HIGH RANGE SPEAKER	in roof panel (COUPE)		
H55	LEFT FRONT MIDRANGE SPEAKER	in upper LH front door		
H55z	REAR LEFT MID–HIGH RANGE SPEAKER	in rear speaker box (ROADSTER)	10-1	
H55z	REAR LEFT MID–HIGH RANGE SPEAKER	in roof panel (COUPE)		
H56	LEFT REAR HIGH RANGE SPEAKER	in roof panel		
H57	LEFT REAR LOW RANGE SPEAKER	in rear speaker box		
H58	LEFT FRONT LOW RANGE SPEAKER	in lower LH A–pillar		
H59	LEFT FRONT HIGH RANGE SPEAKER	in upper LH front door		
H66	SUBWOOFER	in rear left speaker box		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
H70	LEFT REAR MID–HIGH RANGE SPEAKER	in rear speaker box		
H71	RIGHT REAR MID–HIGH RANGE SPEAKER	in rear speaker box		
H500	REAR WOOFER	in rear speaker box (ROADSTER)		
H500	REAR WOOFER	in rear speaker box (COUPE)	40-3	
I1008	SEAT MAT	in passenger's seat area		
K2	HORN RELAY	rear LH side of engine compartment in Power Distribution Box	09-2	
K4	BLOWER RELAY	rear LH side of engine compartment in Power Distribution Box	09-2	
K9	UNLOADER RELAY, TERMINAL 15	rear LH side of engine compartment in Power Distribution Box	09-3	
K16	HAZARD FLASHER RELAY	rear LH side of engine compartment in Power Distribution Box	09-2	
K19	COMPRESSOR CONTROL RELAY	rear LH side of engine compartment in Power Distribution Box	09-3	
K21	NORMAL SPEED RELAY	rear LH side of engine compartment in Power Distribution Box	09-3	
K22	HIGH SPEED RELAY	rear LH side of engine compartment in Power Distribution Box	09-3	
K25	RIGHT PARK LIGHT/LICENSE PLATE LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	08-2	
K26	LEFT PARK LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	08-2	
K33a	AIR CONDITIONING RELAY, MOTRONIC	rear LH side of engine compartment in Power Distribution Box	09-2	
K46	HIGH BEAM LIGHT RELAY	footwell, driver's side (USA AND CANADA LATE PRODUCTION)	19-1	
K46z	DAY LIGHT RELAY MODULE	footwell, driver's side (CANADA EARLY PRODUCTION)		
K47	FRONT FOG LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	09-2	
K48	LOW BEAM LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	09-2	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
K70	CENTRAL LOCKING LUGGAGE COMPARTMENT LID MOTOR RELAY (ZV)	rear LH side of engine compartment in Power Distribution Box	08-2	
K94	ENGINE CONTROL RELAY (ABS/ASC)	rear LH side of engine compartment in Power Distribution Box	09-3	
K95	VALVE RELAY (ABS/ASC)	rear LH side of engine compartment in Power Distribution Box	09-3	
K910	PASSENGER'S SEAT TILT ADJUST CUT–OFF RELAY	underside of RH front seat	11-1	
K911	PASSENGER'S SEAT LENGTH ADJUST CUT–OFF RELAY	underside of RH front seat	11-1	
K920	DRIVER'S SEAT TILT ADJUST CUT–OFF RELAY	underside of LH front seat	10-2	
K921	DRIVER'S SEAT LENGTH ADJUST CUT–OFF RELAY	underside of LH front seat	10-2	
K6300	ENGINE CONTROL MODULE RELAY	rear RH side of engine compartment in E–Box (M VERSIONS)	00-1	
K6300	ENGINE CONTROL MODULE RELAY	rear RH side of engine compartment in E–Box (Z3 VERSIONS)	47-3	
K6304	SECONDARY AIR PUMP RELAY	rear RH side of engine compartment in E–Box (M VERSIONS)	00-1	
K6304	SECONDARY AIR PUMP RELAY	rear RH side of engine compartment in E–Box (Z3 VERSIONS)	47-3	
K6326	UNLOADER RELAY, TERMINAL 15	rear RH side of engine compartment in E–Box (M VERSIONS)	00-1	
K6326	UNLOADER RELAY, TERMINAL 15	rear RH side of engine compartment in E–Box (Z3 VERSIONS)	47-3	
K6301w	FUEL PUMP RELAY	below LH side of dash	19-1	
K6394	COMPRESSOR RELAY	TIRE INFLATION SYSTEM		
K10485	BRAKE FLUID LEVEL RELAY	below RH side of dash	50-2	
K18363	CONVERTIBLE TOP RELAY I (CLOSE)	in LH side of luggage compartment	25-3	
K18364	CONVERTIBLE TOP RELAY II (OPEN)	in LH side of luggage compartment	25-3	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
L1	EWS TOROIDAL COIL	at ignition switch	36-3	
M2	FUEL PUMP	in fuel tank		
M3	WIPER MOTOR	rear of engine compartment	39-3	
M4	WASHER PUMP	front RH side of engine compartment on washer fluid reservoir		
M7	HEADLIGHT/FOG LIGHT WASHER PUMP	front RH side of engine compartment on washer fluid reservoir		
M9	AUXILIARY FAN MOTOR	behind front grille		
M12	DRIVER'S DOOR LOCK MOTOR	driver's door		
M13	PASSENGER'S DOOR LOCK MOTOR	passenger's door		
M16	GAS FILLER LOCK MOTOR	RH rear wheel well	40-1	
M17	LUGGAGE COMPARTMENT LOCK MOTOR	rear side of luggage compartment behind trim panel (ROADSTER)		
M17	LUGGAGE COMPARTMENT LOCK MOTOR	in lift gate (M COUPE)	40-2	
M17	LUGGAGE COMPARTMENT LOCK MOTOR	in lift gate (Z3 COUPE)	37-2	
M21	DRIVER'S WINDOW MOTOR	in driver's door	17-2	
M23	PASSENGER'S WINDOW MOTOR	in passenger's door	18-3	
M24y	TILT SUNROOF MOTOR	in roof panel		
M25	CRUISE CONTROL ACTUATOR (TEMPOMAT)	rear LH side of engine compartment	08-3	
M30	BLOWER MOTOR	rear of engine compartment		
M51	DRIVER'S SEAT MOVEMENT MOTOR	under LH front seat	25-1	
M51	DRIVER'S SEAT MOVEMENT MOTOR	under LH front seat (WITH SPORT SEAT)	10-3	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
M52 ..	DRIVER'S SEAT HEIGHT MOTOR	under LH front seat	25-1	
M52 ..	DRIVER'S SEAT HEIGHT MOTOR	under LH front seat (WITH SPORT SEAT)	10-3	
M59 ..	PASSENGER'S SEAT HEIGHT MOTOR	under RH front seat	24-1	
M60 ..	PASSENGER'S SEAT MOVEMENT MOTOR	under RH front seat	24-1	
M93 ..	AUXILIARY THROTTLE POSITION MOTOR (ADS)	front of engine	08-1	
M101 .	CONVERTIBLE TOP MOTOR	in LH side of luggage compartment	25-3	
M111 .	FRESH AIR RECIRCULATION MOTOR	RH side of LH footwell	21-2	
M118 .	PRECHARGE PUMP	rear LH side of engine compartment	48-1	
M805 .	ELECTRICAL COMPRESSOR	TIRE INFLATION SYSTEM		
M6506	E–BOX FAN	in E–Box		
M6510	STARTER	rear LH side of engine compartment	02-2	
N5 ...	ANALOG CLOCK	center console		
N8 ...	ANTENNA AMPLIFIER AM/FM	in LH side of luggage compartment behind trim panel (ROADSTER)		
N8 ...	ANTENNA AMPLIFIER AM/FM	in roof panel (COUPE)	37-3	
N9 ...	RADIO	center console		
N12w .	ANTI–THEFT CONTROL MODULE (ALPINE)	behind glove box		
N17 ..	CRASH CONTROL MODULE	footwell, driver's side (M VERSIONS AND Z3 VERSIONS LATE PRODUCTION)	19-1	
N17 ..	CRASH CONTROL MODULE	footwell, passenger's side (Z3 VERSIONS EARLY PRODUCTION)	50-2	
N22 ..	CD CHANGER	in RH side of luggage compartment		
N44 ..	SUBWOOFER AMPLIFIER MODULE	in LH forward side of luggage compartment	41-3	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
P90	FRONT POWER DISTRIBUTION BOX	rear LH side of engine compartment		
P95	AUXILIARY FUSE BOX	below LH side of dash		
P97	AUXILIARY FUSE BOX	below LH side of dash	19-1	
P98	FUSE HOLDER IN E–BOX	rear RH side of engine compartment in E–Box	48-2	
P99	FUSE HOLDER	in RH side of luggage compartment	01-3	
P900	AUXILIARY FUSE BOX	rear LH side of engine compartment	42-2	
P901	AUXILIARY FUSE BOX	in RH side of luggage compartment		
R11	BLOWER RESISTORS	rear of engine compartment behind firewall		
R31	AUXILIARY THROTTLE POSITION SENSOR	front of engine	33-3	
R33	STEERING ANGLE SENSOR	on steering column	49-3	
R6252	THROTTLE POSITION SENSOR	front of engine	33-3	
R6385	THROTTLE POSITION SENSOR/CRUISE CONTROL ACTUATOR	top LH side of engine	46-1	
R8554	RESISTOR	on cylinder head		
S2	IGNITION SWITCH	LH side of dash	36-3	
S3	AUTOMATIC TRANSMISSION RANGE SWITCH	center console	22-1	
S4	HORN SWITCH	on steering wheel		
S5	WIPER/WASHER SWITCH	LH side of dash RH side of steering column above		
S6	ASC SWITCH	center console		
S6y	DSC SWITCH	center console		
S7	COMBINATION SWITCH	LH side of dash LH side of steering column above		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S8	LIGHT SWITCH	LH side of dash		
S10	FOG LIGHT SWITCH	LH side of dash		
S13	PASSENGER'S DOOR JAMB SWITCH	RH B–pillar	26-1	
S14	DRIVER'S DOOR JAMB SWITCH	LH B–pillar	27-1	
S17	MIRROR CONTROL SWITCH	in upper LH front door		
S18	HAZARD SWITCH	center console bottom		
S20w	RADIO ANTI–THEFT SWITCH	center console (radio and console removed)	36-1	
S21w	ENGINE HOOD SWITCH	near LH headlight assembly	29-1	
S28	CRUISE CONTROL SWITCH	LH side of dash RH side of steering column above		
S30	BRAKE LIGHT SWITCH	LH footwell	20-1	
S31	PARK BRAKE SWITCH	center console on rear of park brake lever		
S32	CLUTCH SWITCH	LH footwell	20-1	
S36	TEMPERATURE SWITCH	front RH side of engine compartment	30-1	
S38y	TILT SUNROOF SWITCH	in roof panel		
S47	DRIVER'S DOOR LOCK SWITCH	in driver's door	17-1	
S49	PASSENGER'S DOOR LOCK SWITCH	in passenger's door		
S51	DRIVER'S SEAT, SEAT CONTROL SWITCH	LH front seat		
S53	DRIVER'S SEAT, SEAT HEATER SWITCH	center console	23-1	
S54	PASSENGER'S SEAT, SEAT HEATER SWITCH	center console	23-1	
S56	PASSENGER'S SEAT, SEAT CONTROL SWITCH	RH front seat		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S58	DRIVER'S SEAT BELT SWITCH	in LH front seat belt buckle		
S59	PASSENGER'S SEAT BELT SWITCH	in RH front seat belt buckle		
S75	BLOWER SWITCH	center of dash	21-3	
S76	REAR WINDOW DEFOGGER SWITCH	center console		
S117	LUGGAGE COMPARTMENT LID LOCKING SWITCH	in lift gate		
S126y	DRIVER'S POWER WINDOW SWITCH	center console near gearshift lever		
S127y	PASSENGER'S POWER WINDOW SWITCH	center console near gearshift lever		
S143	CONVERTIBLE TOP ACTUATING SWITCH	center console		
S164	CONVERTIBLE TOP END–POSITION MICRO SWITCH	at convertible top linkage	17-3	
S198	JET HEATER THERMOSWITCH	on front RH wheel well		
S220	AIR CONDITIONING/RECIRCULATING SWITCH ASSEMBLY	center console	00-3	
S221	EVAPORATOR CONTROLLER	RH side of LH footwell	21-2	
S232	COMPRESSOR MAIN SWITCH	TIRE INFLATION SYSTEM		
S235	STARTER IMMOBILIZATION SWITCH	LH footwell	20-1	
S408	INTERIOR LIGHT SWITCH	near interior rear view mirror	28-2	
S531	TEMPERATURE WHEEL SWITCH	center of dash	21-3	
S826	LUGGAGE COMPARTMENT LIGHT SWITCH	underside of luggage compartment lid		
S910	DRIVER'S SEAT LIMIT SWITCH	in driver's seatback	38-3	
S911	PASSENGER'S SEAT LIMIT SWITCH	in passenger's seatback	38-3	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S8503	PROGRAM SWITCH	center console	22-1	
S8507	KICK–DOWN SWITCH	behind gas pedal	19-3	
S8511	REVERSING LIGHT SWITCH	LH side of transmission	14-2	
T6151	CYL. 1 IGNITION COIL	RH side of engine compartment		
T6152	CYL. 2 IGNITION COIL	RH side of engine compartment		
T6153	CYL. 3 IGNITION COIL	RH side of engine compartment		
T6154	CYL. 4 IGNITION COIL	RH side of engine compartment		
T6155	CYL. 5 IGNITION COIL	RH side of engine compartment		
T6156	CYL. 6 IGNITION COIL	RH side of engine compartment		
V9	UNCOUPLING DIODE (LIGHTS)	rear LH side of engine compartment in Power Distribution Box		
V10	UNCOUPLING DIODE (LIGHTS)	rear LH side of engine compartment in Power Distribution Box		
X0	B+ JUNCTION POINT	rear LH side of engine compartment in Power Distribution Box	02-1	
X2	BATTERY B+ START POINT	rear LH side of engine compartment in Power Distribution Box (M VERSIONS)		
X2	BATTERY B+ START POINT	in RH side of luggage compartment (Z3 VERSIONS)		
X4	GROUND	LH side of engine compartment		
X8	CABLE SOCKET B+	in RH side of luggage compartment		
X9	CABLE SOCKET B+	below LH side of dash		
X16	(26 PINS, NATURAL)	LH side of dash rear side of instrument cluster, A2w	20-2	00-3
X17	(26 PINS, BLUE)	LH side of dash rear side of instrument cluster, A2w	20-2	00-3
X20	(25 PINS, BLACK)	rear LH side of engine compartment	08-1	04-4
X22	(26 PINS, BLUE)	behind glove box	00-2	00-3
X32	(12 PINS, NATURAL)	on steering column	19-2	02-4

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X33	(12 PINS, BLACK)	on steering column	19-2	02-4
X35	(4 PINS, BLACK)	RH side of LH footwell	21-1	03-1
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
X50	(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)	Power Distribution Box rear LH side of engine compartment		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 (M VERSIONS AND Z3 VERSIONS LATE PRODUCTION)		03-4
X65	(9 PINS, BLACK)	below RH side of dash (Z3 VERSIONS EARLY PRODUCTION)	50-2	03-4
X70	(8 PINS, BLACK)	rear LH side of engine compartment	08-3	06-2
X72	(6 PINS, NATURAL)	on steering column	19-2	05-3
X74	(50 PINS, NATURAL)	below center console	22-2	11-2
X78	(4 PINS, BLACK)	on steering column	20-1	03-1
X82	(3 PINS, BLACK)	under radiator	13-1	05-5
X85	(3 PINS, BLACK)	rear LH side of engine compartment	14-3	05-5
X87	(3 PINS, BLACK)	RH top of radiator	30-1	02-5
X105	(2 PINS, GRAY)	on underside of engine hood	37-1	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X106	(2 PINS, GRAY)	on underside of engine hood	37-1	
X107	(2 PINS, BLACK)	front RH side of engine compartment on washer fluid reservoir		
X111	(2 PINS, BLACK)	rear LH side of engine compartment	09-1	
X113	(3 PINS, GRAY)	behind RH front wheel	13-3	06-3
X114	(3 PINS, GRAY)	behind LH front wheel	12-2	06-3
X118	(2 PINS, BLACK)	behind LH front wheel	12-2	
X121	(2 PINS, WHITE)	LH footwell	20-1	
X123	(2 PINS, GRAY)	front RH side of engine compartment on washer fluid reservoir		
X127	(4 PINS, BLACK)	front RH side of engine compartment	30-2	05-4
X128	(3 PINS, BLACK)	front LH side of engine compartment		02-5
X130	(2 PINS, GRAY)	near front LH headlight	29-2	
X131	(2 PINS, BLACK)	near front LH headlight	29-2	
X132	(2 PINS, BLACK)	on front LH wheel well		
X133	(2 PINS, BLACK)	on front RH wheel well	13-2	
X134	(2 PINS, BLACK)	near front RH headlight	29-3	
X135	(2 PINS, GRAY)	near front RH headlight	29-3	
X137	(3 PINS, BLACK)	front RH side of engine compartment	30-3	02-5
X142	(2 PINS, GRAY)	under LH rear of car	16-1	
X143	(2 PINS, GRAY)	under RH rear of car	15-3	
X163	(3 PINS, BLACK)	front RH side of engine compartment on washer fluid reservoir near RH headlight assembly	30-2	05-5
X165	GROUND	front RH side of engine compartment	04-2	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X166	GROUND	front LH side of engine compartment	05-1	
X168	(1 PIN, BLACK)	on steering wheel		
X170	GROUND	behind LH footwell speaker grille	03-2	
X256	(26 PINS, BLACK)	RH A–pillar	18-1	03-5
X257	(26 PINS, BLACK)	LH A–pillar	16-3	03-5
X271	(12 PINS, BLACK)	LH side of dash rear side of instrument cluster, A2w	20-2	01-3
X275	(4 PINS, NATURAL)	under LH front seat	25-2	03-1
X275	(4 PINS, NATURAL)	under LH front seat (WITH SPORT SEAT)	10-3	03-1
X279	(4 PINS, NATURAL)	under RH front seat	24-2	03-1
X279	(4 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	11-2	03-1
X285	(15 PINS, BLUE)	behind glove box	50-1	05-1
X295	(8 PINS, BLACK)	on steering column	19-2	03-3
X311	(3 PINS, BLACK)	in luggage compartment lid (ROADSTER)	28-1	01-1
X311	(3 PINS, BLACK)	in lift gate (COUPE)	37-2	01-1
X312	(2 PINS, BLACK)	RH rear wheel well	40-1	
X315	(2 PINS, BLACK)	in luggage compartment lid (ROADSTER)	28-1	
X315	(2 PINS, BLACK)	in lift gate (COUPE)	37-2	
X316	(4 PINS, VIOLET)	center console near gearshift lever		07-1
X318	(8 PINS, BLACK)	in RH rear side of luggage compartment behind RH rear light assembly	01-1	02-1
X319	(8 PINS, BLACK)	in LH side of luggage compartment behind trim panel		02-1
X322	(6 PINS, BLACK)	footwell, driver's side	19-1	03-6
X324	(4 PINS, VIOLET)	center console near gearshift lever		07-1

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X333	(4 PINS, NATURAL)	rear of engine compartment below center of cowl	39-3	03-1
X336	(3 PINS, BLACK)	in upper RH A–pillar		01-1
X351	(3 PINS, BLACK)	RH B–pillar	26-1	01-1
X352	(3 PINS, BLACK)	LH B–pillar	27-1	01-1
X357	(2 PINS, WHITE)	near interior rear view mirror	28-2	
X371	(3 PINS, BLACK)	near front LH headlight	29-1	02-5
X372	(2 PINS, GRAY)	rear LH side of engine compartment	09-1	
X379	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X380	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X383	(2 PINS, BLACK)	on differential	15-2	
X389	(2 PINS, BLACK)	LEFT FRONT AUXILIARY TURN LIGHT		
X390	(2 PINS, BLACK)	RIGHT FRONT AUXILIARY TURN LIGHT		
X400	(8 PINS, BLACK)	center console		02-1
X413	(3 PINS, BLACK)	HIGH LEVEL STOP LIGHT (ROADSTER)	38-2	01-1
X413	(3 PINS, BLACK)	HIGH LEVEL STOP LIGHT (COUPE)		01-1
X423	(1 PIN, ——)	below center console on rear of park brake lever		
X424	(1 PIN, ——)	in LH side of luggage compartment behind trim panel (ROADSTER)		
X424	(1 PIN, ——)	in roof panel (COUPE)	37-3	
X492	GROUND	front LH side of engine compartment	05-1	
X494	GROUND	below center console	03-1	
X503	(12 PINS, BLACK)	LH side of dash	20-3	07-2
X504	(4 PINS, NATURAL)	LH side of dash	20-3	03-1

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X509	(9 PINS, BLACK)	rear LH side of engine compartment in Power Distribution Box		03-4
X510	(9 PINS, BLACK)	rear LH side of engine compartment in Power Distribution Box		03-4
X511	(8 PINS, BLACK)	center console	22-1	02-1
X516	(5 PINS, BLACK)	center console		02-6
X521	(6 PINS, BLUE)	center console (Z3 COUPE)		04-5
X521	(4 PINS, BLUE)	center console (M VERSIONS Z3 ROADSTER)		07-1
X522	(3 PINS, NATURAL)	RH side of LH footwell		04-3
X531	(1 PIN, NATURAL)	center console	22-3	
X532	(2 PINS, BLACK)	center console	22-3	
X537	(3 PINS, BLACK)	REAR LEFT MID–HIGH RANGE SPEAKER (ROADSTER)	10-1	01-1
X537	(3 PINS, BLACK)	in roof panel, REAR LEFT MID–HIGH RANGE SPEAKER (COUPE)		01-1
X538	(3 PINS, BLACK)	REAR RIGHT MID–HIGH RANGE SPEAKER (ROADSTER)	07-3	01-1
X538	(3 PINS, BLACK)	in roof panel, REAR RIGHT MID–HIGH RANGE SPEAKER (COUPE)		01-1
X539	(2 PINS, BLACK)	center console (radio and console removed)	36-1	
X605	(12 PINS, BLACK)	in RH forward side of luggage compartment (ROADSTER)	27-3	01-5
X605	(12 PINS, BLACK)	in RH forward side of luggage compartment (COUPE)	40-3	01-5
X606	(26 PINS, BLACK)	in LH side of luggage compartment behind trim panel (ROADSTER)	27-3	00-3
X606	(26 PINS, BLACK)	in RH forward side of luggage compartment behind trim panel (COUPE)	40-3	00-3
X623	(4 PINS, BLACK)	in driver's door	17-2	07-1
X624	(4 PINS, BLACK)	in passenger's door	18-3	07-1
X625	(6 PINS, BLACK)	in driver's door	17-2	08-2
X641	(6 PINS, BLACK)	in passenger's door	18-2	07-4

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X643	(6 PINS, WHITE)	in roof panel		04-6
X651	(6 PINS, VIOLET)	center console	23-1	04-5
X658	(6 PINS, VIOLET)	center console	23-1	04-5
X660	(6 PINS, BLACK)	LH front door behind door panel		07-4
X693	(1 PIN, NATURAL)	TIRE INFLATION SYSTEM		
X700	(1 PIN, ——)	behind RH footwell speaker grille	23-3	
X701	(1 PIN, ——)	behind LH footwell speaker grille		
X709	(2 PINS, BLACK)	underside of luggage compartment lid, near license plate		
X710	(2 PINS, BLACK)	underside of luggage compartment lid, near license plate		
X711	(2 PINS, BLACK)	in luggage compartment lid	28-1	
X712	(1 PIN, BLACK)	in luggage compartment (ROADSTER)		
X712	(4 PINS, NATURAL)	in roof panel (COUPE)	37-3	
X713	(2 PINS, BLACK)	under RH rear of car	15-3	
X726	(2 PINS, NATURAL)	under LH front seat	25-1	
X726	(2 PINS, NATURAL)	under LH front seat (WITH SPORT SEAT)	10-3	
X728	(2 PINS, BLACK)	under LH front seat	25-1	
X728	(2 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	10-3	
X733	(4 PINS, BLACK)	under LH front seat	25-2	03-1
X733	(4 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	10-3	03-1
X734	(2 PINS, NATURAL)	under RH front seat	24-1	
X734	(2 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	11-1	
X737	(2 PINS, BLACK)	under RH front seat	24-1	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X737	(2 PINS, BLACK)	under RH front seat (WITH SPORT SEAT)	11-2	
X740	(4 PINS, BLACK)	under RH front seat	24-2	03-1
X740	(4 PINS, BLACK)	under RH front seat (WITH SPORT SEAT)	11-2	
X742	(2 PINS, YELLOW)	in passenger's door		
X744	(4 PINS, GRAY)	in passenger's door	18-3	05-4
X746	(3 PINS, YELLOW)	in passenger's door	18-3	10-5
X747	(2 PINS, YELLOW)	in driver's door	17-1	
X749	(2 PINS, GRAY)	in driver's door	17-2	
X753	(3 PINS, YELLOW)	in driver's door	17-2	10-5
X760	(3 PINS, BLACK)	RIGHT REAR HIGH RANGE SPEAKER		01-1
X761	(1 PIN, BLACK)	RIGHT REAR SPEAKER		
X762	(3 PINS, BLACK)	LEFT REAR HIGH RANGE SPEAKER		01-1
X763	(1 PIN, BLACK)	LEFT REAR SPEAKER		
X766	(2 PINS, BLACK)	LH front of vehicle		
X767	(2 PINS, BLACK)	RH front of vehicle		
X768	(2 PINS, BLACK)	on front LH wheel well		
X769	(2 PINS, BLACK)	RH front of wheel well	13-2	
X770	(2 PINS, YELLOW)	in RH front bumper	11-3	
X771	(2 PINS, NATURAL)	RH side of LH footwell	21-2	
X778	(4 PINS, BLACK)	under LH front seat		07-1
X778	(4 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	10-2	07-1
X782	(6 PINS, BLACK)	behind glove box above	24-3	11-3

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X783	(6 PINS, BLACK)	underside of steering column	36-3	11-3
X898	(4 PINS, BLACK)	center console (M COUPE)		07-1
X898	(4 PINS, BLACK)	under rear storage compartment (ROADSTER)	26-2	07-1
X898	(8 PINS, BLACK)	center console (Z3 COUPE)		08-3
X904	(4 PINS, BLACK)	RH side of LH footwell		03-1
X905	(7 PINS, BLACK)	center of dash	21-3	09-3
X1014	(1 PIN, BLACK)	center console	22-3	
X1098	(3 PINS, BLACK)	LH side of dash	20-3	01-1
X1116	GROUND	in LH side of luggage compartment	06-3	
X1143	(10 PINS, BLACK)	LH side of LH footwell	50-3	02-3
X1148	(2 PINS, BLACK)	on front RH wheel well		
X1155	(2 PINS, BLACK)	center console (M VERSIONS)		
X1155	(3 PINS, BLACK)	center console (Z3 ROADSTER)		01-1
X1166	GROUND	behind glove box	04-1	
X1170	(25 PINS, GRAY)	front LH side of engine compartment	41-1	09-4
X1175	(83 PINS, NATURAL)	behind glove box	00-2	08-4
X1178	(2 PINS, WHITE)	center console	27-2	
X1193	(3 PINS, BLACK)	center console	22-1	01-1
X1213	(2 PINS, BLACK)	center console		
X1255	(4 PINS, BLACK)	TIRE INFLATION SYSTEM		03-1
X1265	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X1266	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X1376	(9 PINS, BLACK)	front Power Distribution Box rear LH side of engine compartment		03-4
X1380	(1 PIN, ——)	behind RH footwell speaker grille	23-3	
X1381	(1 PIN, ——)	behind LH footwell speaker grille		
X1439	(2 PINS, BLACK)	center console		
X1441	GROUND	below center console	03-3	
X1517	(6 PINS, BLACK)	RH side of LH footwell	21-2	09-2
X1529	(1 PIN, ——)	rear LH side of engine compartment in Power Distribution Box		
X1530	(1 PIN, NATURAL)	rear LH side of engine compartment in Power Distribution Box		
X1588	(2 PINS, BLACK)	below LH side of dash	19-1	
X1653	(3 PINS, BLACK)	under driver's seat	49-2	02-5
X1655	(3 PINS, NATURAL)	under driver's seat	49-2	02-5
X1656	(2 PINS, BLACK)	rear LH side of engine compartment	48-1	
X1658	(6 PINS, BLACK)	on steering column	49-3	11-3
X1715	(4 PINS, NATURAL)	in rear left speaker box (ROADSTER)	26-3	03-1
X1715	(4 PINS, NATURAL)	in RH forward side of luggage compartment (COUPE)	40-3	03-1
X1717	(42 PINS, BLACK)	in RH forward side of luggage compartment	38-1	12-2
X1746	(43 PINS, BLACK)	LH side of engine compartment	46-3	12-1
X1747	(3 PINS, NATURAL)	rear LH side of engine compartment	48-1	02-5
X1748	(3 PINS, NATURAL)	rear LH side of engine compartment	48-1	02-5
X1764	(3 PINS, BLACK)	RH side of steering column	49-1	01-1
X1770	(3 PINS, ORANGE)	in RH forward side of luggage compartment (ROADSTER)	38-1	07-5
X1770	(3 PINS, ORANGE)	in RH forward side of luggage compartment (COUPE)		07-5

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X1775	(3 PINS, NATURAL)	in lift gate		10-5
X1805	(15 PINS, NATURAL)	LH side of steering column	49-1	05-1
X1883	(2 PINS, YELLOW)	LH front door	16-2	
X1884	(2 PINS, YELLOW)	RH front door	35-2	
X1885	(3 PINS, BLACK)	under LH front seat	35-3	10-1
X1886	(3 PINS, BLACK)	under RH front seat	35-1	10-1
X1976	CABLE SOCKET B+	below LH side of dash		
X1977	CABLE SOCKET B+	below LH side of dash		
X1978	CABLE SOCKET B+	below LH side of dash		
X1979	CABLE SOCKET B+	below LH side of dash		
X1980	CABLE SOCKET B+	below LH side of dash		
X1981	CABLE SOCKET B+	below LH side of dash		
X1982	CABLE SOCKET B+	below LH side of dash		
X2213	(15 PINS, NATURAL)	LH side of engine compartment	08-1	05-1
X3040	(2 PINS, BLACK)	TIRE INFLATION SYSTEM		
X3158	(1 PIN, NATURAL)	TIRE INFLATION SYSTEM		
X5115	(2 PINS, BLACK)	center console (radio and console removed)	36-1	
X5181	(2 PINS, BLACK)	rear RH side of engine compartment		
X6000	(88 PINS, NATURAL)	rear RH side of engine compartment in E–Box (M VERSIONS)	00-1	00-1
X6002	(20 PINS, BLACK)	rear RH side of engine compartment (M VERSIONS)		04-1
X6002	(20 PINS, BLACK)	rear LH side of engine compartment (Z3 VERSIONS)		04-1
X6011	(2 PINS, BLUE)	rear RH side of engine compartment in E–Box	48-2	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6021	(4 PINS, BLACK)	rear RH side of engine compartment in E–Box	48-2	03-1
X6031	(12 PINS, BLACK)	rear LH side of engine compartment (M VERSIONS)	08-1	01-6
X6031	(18 PINS, BLACK)	rear RH side of engine compartment in E–Box (Z3 VERSIONS)	48-2	07-3
X6053	(4 PINS, NATURAL)	rear RH side of engine compartment in E–Box	48-3	03-1
X6054	(2 PINS, NATURAL)	rear RH side of engine compartment in E–Box	47-3	
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		
X6105	(2 PINS, BLACK)	top center of engine		
X6106	(2 PINS, BLACK)	top center of engine		
X6120	(2 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)	43-2	
X6120	(2 PINS, BLACK)	LH side of engine compartment (M VERSIONS)	34-2	
X6130	(3 PINS, BLACK)	front of engine	43-3	10-2
X6133	(2 PINS, BLACK)	rear RH side of engine compartment	31-2	
X6139	(3 PINS, BLACK)	under LH center of car	41-2	05-5
X6150	(10 PINS, BLACK)	rear RH side of engine compartment	31-1	10-1
X6151	(3 PINS, BLACK)	top RH side of engine		09-5
X6152	(3 PINS, BLACK)	top RH side of engine		09-5
X6153	(3 PINS, BLACK)	top RH side of engine		09-5
X6154	(3 PINS, BLACK)	top RH side of engine		09-5
X6155	(3 PINS, BLACK)	top RH side of engine		09-5

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6156	(3 PINS, BLACK)	top RH side of engine		09-5
X6163	(2 PINS, BLACK)	LH side of engine compartment (M VERSIONS)	31-3	
X6163	(2 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)	42-3	
X6167	(2 PINS, BLACK)	LH side of engine compartment	46-3	
X6203	(3 PINS, BLACK)	rear LH side of engine compartment (M VERSIONS)	33-1	10-2
X6203	(3 PINS, BLACK)	rear LH side of engine compartment (Z3 VERSIONS)	45-1	06-4
X6204	(3 PINS, BLACK)	front of engine below intake manifold	33-1	10-2
X6205	(2 PINS, BLACK)	top center of engine (Z3 VERSIONS)	45-3	
X6205	(2 PINS, BLACK)	front LH side of engine compartment (M VERSIONS)	34-1	
X6207	(4 PINS, BLACK)	LH side of engine compartment (M VERSIONS)	33-3	10-4
X6207	(3 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)		10-2
X6214	(3 PINS, BLACK)	front of engine	42-1	10-2
X6224	(3 PINS, BLACK)	front of engine	45-2	06-4
X6231	(2 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)	43-2	
X6231	(2 PINS, BLACK)	front of engine (M VERSIONS)	32-2	
X6236	(2 PINS, BLACK)	LH side of engine	44-2	
X6238	(2 PINS, BLACK)	RH side of oil filter (M VERSIONS)	32-2	
X6238	(2 PINS, BLACK)	RH side of oil filter (Z3 VERSIONS)	43-2	
X6240	(4 PINS, BLACK)	LH side of engine near starter (Z3 VERSIONS)	46-2	06-1
X6240	(4 PINS, BLACK)	LH side of engine (M VERSIONS)	33-1	06-1
X6247	(2 PINS, BLACK)	under LH rear of car	12-1	
X6252	(3 PINS, BLACK)	front of engine	33-3	10-2

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6254	(3 PINS, BLACK)	LH side of engine	41-2	06-4
X6256	(4 PINS, BLACK)	rear of engine compartment		10-3
X6275	(2 PINS, BLACK)	top center of engine (M VERSIONS)	31-3	
X6275	(2 PINS, BLACK)	top center of engine (Z3 VERSIONS)	45-3	
X6276	(2 PINS, BLACK)	front of engine	45-2	
X6279	(2 PINS, BLACK)	front of engine	44-3	
X6300	(9 PINS, BLACK)	rear RH side of engine compartment in E–Box (M VERSIONS)		03-4
X6301	(9 PINS, BLACK)	below LH side of dash		03-4
X6304	(9 PINS, BLACK)	rear RH side of engine compartment in E–Box (M VERSIONS)		03-4
X6326	(9 PINS, BLACK)	rear RH side of engine compartment in E–Box (M VERSIONS)		03-4
X6385	(10 PINS, BLACK)	top LH side of engine	46-1	05-2
X6394	(9 PINS, BLACK)	TIRE INFLATION SYSTEM		03-4
X6430	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6431	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6432	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6433	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6437	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6454	GROUND	rear RH side of engine compartment (Z3 VERSIONS)		
X6454	GROUND	rear RH side of engine compartment (M VERSIONS)	04-2	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6455	GROUND	rear RH side of engine compartment (M VERSIONS)	04-2	
X6455	GROUND	rear RH side of engine compartment (Z3 VERSIONS)		
X6456	GROUND	rear RH side of engine compartment	06-1	
X6500	(6 PINS, BLACK)	under rear storage compartment	07-1	06-5
X6501	(3 PINS, BLACK)	under rear storage compartment	07-1	02-5
X6506	(2 PINS, BLACK)	in E–Box	47-3	
X6509	CABLE SOCKET ALTERNATOR B+	front LH side of engine compartment	02-3	
X6510	CABLE SOCKET STARTER, TERMINAL 50	rear LH side of engine compartment at starter	02-2	
X6511	CABLE SOCKET STARTER, TERMINAL 30h	rear LH side of engine compartment at starter		
X6512	CABLE SOCKET STARTER, TERMINAL 30	rear LH side of engine compartment at starter	02-2	
X6524	(3 PINS, BLACK)	front LH side of engine compartment	43-1	10-2
X6550	(2 PINS, BLACK)	under LH center of car	34-3	
X7509	CABLE SOCKET ALTERNATOR, TERMINAL D+	front LH side of engine compartment	02-3	
X8500	(88 PINS, NATURAL)	rear RH side of engine compartment in E–Box	47-1	00-1
X8503	(6 PINS, VIOLET)	center console	22-1	04-5
X8505	(16 PINS, BLACK)	on RH side of transmission	15-1	11-4
X8507	(1 PIN, BLACK)	behind gas pedal	19-3	
X8511	(2 PINS, BLACK)	LH side of transmission	14-2	
X8516	(2 PINS, BLACK)	LH side of transmission		
X8533	(2 PINS, BLACK)	LH side of engine compartment	08-1	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X9023	(3 PINS, BLACK)	in lift gate	39-2	01-1
X9063	(2 PINS, BLACK)	rear LH side of engine compartment		
X9170	CABLE SOCKET GROUND	LH side of engine compartment		
X9336	(4 PINS, NATURAL)	in upper RH A–pillar		03-1
X9410	(1 PIN, NATURAL)	rear LH side of engine compartment in Power Distribution Box		
X9411	(1 PIN, ——)	rear LH side of engine compartment in Power Distribution Box		
X9633	GROUND	behind LH footwell speaker grille	03-2	
X9990	(3 PINS, BLACK)	underside of LH front seat		11-1
X9991	(10 PINS, BLACK)	underside of LH front seat	10-2	11-5
X9994	(3 PINS, BLACK)	underside of RH front seat		11-1
X9995	(10 PINS, BLACK)	underside of RH front seat	11-1	11-5
X9997	(6 PINS, BLACK)	behind steering wheel		11-3
X10010	GROUND	behind glove box	04-1	
X10013	(2 PINS, NATURAL)	behind steering wheel		
X10054	(8 PINS, BLACK)	RH side of LH footwell	21-1	02-1
X10059	(3 PINS, BLACK)	center console		01-2
X10065	(2 PINS, WHITE)	LH footwell	14-1	
X10088	(2 PINS, BLACK)	front RH side of engine compartment	30-3	
X10170	(3 PINS, NATURAL)	near steering column	49-1	01-1
X10182	(18 PINS, BLACK)	behind glove box		07-3
X10214	(3 PINS, VIOLET)	under LH front seat	10-2	10-5
X10215	(3 PINS, VIOLET)	under RH front seat	11-1	10-5

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X10216	(3 PINS, YELLOW)	in LH front seat belt buckle	36-2	07-5
X10217	(3 PINS, YELLOW)	in RH front seat belt buckle	36-2	07-5
X10218	(3 PINS, NATURAL)	under RH front seat	24-2	01-1
X10218	(3 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	11-2	01-1
X10239	(3 PINS, BLACK)	front of engine	33-3	10-2
X10241	(3 PINS, BLACK)	front RH side of engine compartment	30-2	05-5
X10244	(1 PIN, BLACK)	behind glove box	24-3	
X10245	(12 PINS, BLACK)	center console	00-3	01-3
X10262	(9 PINS, BLACK)	below LH side of dash		03-4
X10263	(6 PINS, BLACK)	center console		04-5
X10266	(6 PINS, BLACK)	in RH forward side of luggage compartment (ROADSTER)	27-3	04-5
X10266	(6 PINS, BLACK)	in RH forward side of luggage compartment (COUPE)	40-3	04-5
X10273	(6 PINS, BLACK)	in RH forward side of luggage compartment		
X10285	(2 PINS, BLACK)	in lift gate	40-2	
X10299	(4 PINS, BLACK)	RH rear wheel well	17-3	03-1
X10367	(3 PINS, BLUE)	in rear speaker box		01-1
X10369	(3 PINS, BLUE)	in rear speaker box		01-1
X10422	CABLE SOCKET B+	below LH side of dash		
X10467	(3 PINS, ORANGE)	RH side of luggage compartment	01-3	01-1
X10470	(3 PINS, BLACK)	in RH rear side of luggage compartment	39-1	01-1
X10485	(9 PINS, BLACK)	below RH side of dash		03-4
X11104	(1 PIN, ——)	near interior rear view mirror	28-2	

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X11105	(1 PIN, ——)	near interior rear view mirror	28-2	
X11106	(1 PIN, ——)	near interior rear view mirror	28-2	
X11143	(3 PINS, BLUE)	footwell, driver's side		01-1
X11209	(4 PINS, BLACK)	near RH rear wheel well	17-3	03-1
X11287	CONNECTORS SOLDERED UP	center of dash		
X11402	(3 PINS, VIOLET)	in luggage compartment lid		01-1
X11403	(3 PINS, VIOLET)	in luggage compartment lid		01-1
X13004	GROUND	behind glove box	04-1	
X13006	GROUND	in LH side of luggage compartment	05-3	
X13016	GROUND	in LH side of luggage compartment	05-2	
X13017	(2 PINS, BLUE)	hard top		
X13025	(12 PINS, BLACK)	behind glove box	24-3	02-4
X13032	GROUND	under rear storage compartment	06-2	
X13045	(6 PINS, NATURAL)	center console		04-5
X13057	(2 PINS, BLACK)	in lift gate	37-2	
X13139	(10 PINS, BLACK)	near interior rear view mirror		02-3
X13146	(8 PINS, BLACK)	in LH side of luggage compartment	25-3	02-1
X13233	(2 PINS, BLACK)	center of dash behind center console		
X13252	(15 PINS, BLACK)	behind glove box	50-1	05-1
X13253	(26 PINS, VIOLET)	behind glove box	50-1	00-3
X13254	(26 PINS, GREEN)	behind glove box	50-1	00-3
X13268	(3 PINS, BLACK)	in lift gate	37-2	01-1

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X13287	(1 PIN, WHITE)	center of dash behind center console		
X18080	(1 PIN, BLACK)	in LH side of luggage compartment		
X18126	(17 PINS, BLACK)	center console behind radio		02-2
X18170	GROUND	below center console	03-1	
X18180	(3 PINS, BLACK)	in RH rear side of luggage compartment		01-1
X18184	(1 PIN, BLACK)	RIGHT REAR SPEAKER		
X18189	(1 PIN, BLACK)	LEFT REAR SPEAKER		
X18190	(3 PINS, BLACK)	in driver's door	17-2	10-5
X18196	(10 PINS, BLACK)	LH A–pillar	16-3	02-3
X18198	(10 PINS, BLACK)	RH A–pillar	18-1	02-3
X18279	(2 PINS, GRAY)	in driver's door		
X18280	(2 PINS, GRAY)	in passenger's door		
X18333	(2 PINS, BLACK)	on instrument cluster		
X18349	(8 PINS, BLACK)	center console	00-3	08-3
X18350	(6 PINS, BLACK)	RH side of LH footwell	21-2	03-6
X18363	(9 PINS, BLACK)	in LH side of luggage compartment		03-4
X18364	(9 PINS, BLACK)	in LH side of luggage compartment		03-4
X18365	(3 PINS, BLACK)	rear RH side of engine compartment in E–Box	48-3	04-3
X18516	(3 PINS, BLACK)	in passenger's door	18-3	10-5
X18518	(4 PINS, BLACK)	under RH front seat	11-1	07-1
X18520	(10 PINS, BLACK)	center console RADIO		
X18521	(10 PINS, BLACK)	RH side of luggage compartment CD CHANGER		

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X18766	(9 PINS, BLACK)	front Power Distribution Box rear LH side of engine compartment		03-4
X18767	(9 PINS, BLACK)	front Power Distribution Box rear LH side of engine compartment		03-4
X18774	(42 PINS, BLACK)	in LH forward side of luggage compartment	41-3	12-2
X18983	(2 PINS, BLACK)	center of dash		
X18984	(2 PINS, BLACK)	center of dash	21-3	
X18994	(3 PINS, VIOLET)	LH footwell	20-1	01-1
X19007	(12 PINS, BLACK)	behind glove box	50-2	01-3
X19018	(2 PINS, BLACK)	behind glove box	23-2	
X19022	(3 PINS, BLACK)	under radiator	13-1	05-5
X19023	(2 PINS, BLACK)	below LH side of dash		
X19245	(8 PINS, BLACK)	center console		02-1
X19527	(16 PINS, BLACK)	center console right	28-3	08-1
X19528	(3 PINS, NATURAL)	under rear storage compartment	07-2	02-5
X21111	(4 PINS, NATURAL)	center console		00-2
X21112	(2 PINS, BLACK)	center console		
X21113	(2 PINS, BLACK)	center console		
X21114	(2 PINS, BLACK)	center console		
X23146	(2 PINS, BLACK)	in LH side of luggage compartment	25-3	
X60001	(9 PINS, BLACK)	rear RH side of engine compartment in E–Box	47-2	01-4
X60002	(24 PINS, BLACK)	rear RH side of engine compartment in E–Box	47-2	04-2
X60003	(52 PINS, BLACK)	rear RH side of engine compartment in E–Box	47-2	03-2
X60004	(40 PINS, BLACK)	rear RH side of engine compartment in E–Box	47-2	09-1

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COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X60005	(9 PINS, BLACK)	rear RH side of engine compartment in E–Box	47-2	01-4
X62101	(4 PINS, BLACK)	on catalytic converter	44-1	06-1
X62102	(4 PINS, BLACK)	on catalytic converter	45-3	06-1
X62201	(4 PINS, BLACK)	on catalytic converter	44-1	06-1
X62202	(4 PINS, BLACK)	on catalytic converter	45-3	06-1
X64101	(2 PINS, BLACK)	rear RH side of engine compartment in E–Box	48-3	
X64102	(2 PINS, BLACK)	rear RH side of engine compartment in E–Box	48-3	
X64192	(2 PINS, BLACK)	rear RH side of engine compartment in E–Box		
X89977	(2 PINS, BLACK)	rear RH side of engine compartment in E–Box	48-2	
X91009	(2 PINS, BLACK)	under RH front seat	11-2	
Y1w ..	ABS HYDRAULIC UNIT	rear LH side of engine compartment	08-1	
Y2	AIR CONDITIONING COMPRESSOR	front RH side of engine compartment		
Y4z ...	WATER VALVE	rear LH side of engine compartment	14-3	
Y5	DRIVER'S SIDE MIRROR	in upper LH front door		
Y6	PASSENGER'S SIDE MIRROR	in upper RH front door		
Y16z .	PRESSURE TRANSMITTER	rear LH side of engine compartment	48-1	
Y19 ..	SHIFT–LOCK	center console	27-2	
Y6101	CYL. 1 FUEL INJECTION VALVE	on cylinder head		
Y6102	CYL. 2 FUEL INJECTION VALVE	on cylinder head		
Y6103	CYL. 3 FUEL INJECTION VALVE	on cylinder head		
Y6104	CYL. 4 FUEL INJECTION VALVE	on cylinder head		
Y6105	CYL. 5 FUEL INJECTION VALVE	on cylinder head		

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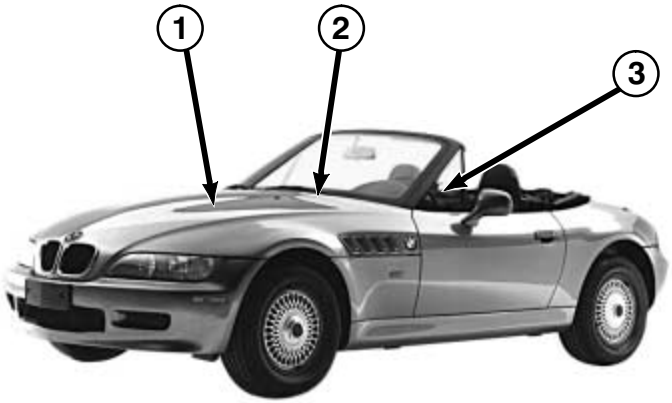
COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
Y6106	CYL. 6 FUEL INJECTION VALVE	on cylinder head		
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment (Z3 VERSIONS)	43-2	
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment (M VERSIONS)	34-2	
Y6130	IDLE SPEED CONTROL VALVE	front of engine	43-3	
Y6133	AIR PUMP	rear RH side of engine compartment	31-2	
Y6139	LEAKAGE DIAGNOSIS PUMP	under LH center of car	41-2	
Y6163	SECONDARY AIR PUMP VALVE	LH side of engine compartment (M VERSIONS)	33-2	
Y6163	SECONDARY AIR PUMP VALVE	LH side of engine compartment (Z3 VERSIONS)	42-3	
Y6167	VALVE, INDIVIDUAL CONTROL INTAKE SYSTEM	LH side of engine compartment	46-3	
Y6275	VARIABLE CAMSHAFT CONTROL VALVE 1	on cylinder head	31-3	
Y6275z	VARIABLE CAMSHAFT CONTROL VALVE 1 (INLET)	on cylinder head	45-3	
Y6276	VARIABLE CAMSHAFT CONTROL VALVE 2 (OUTLET)	on cylinder head	45-2	
Y6550	SOLENOID VALVE (”RUNNING LOSSES”)	under LH center of car	34-3	
Y8521	TRANSMISSION VALVE UNIT	on RH side of transmission	15-1	

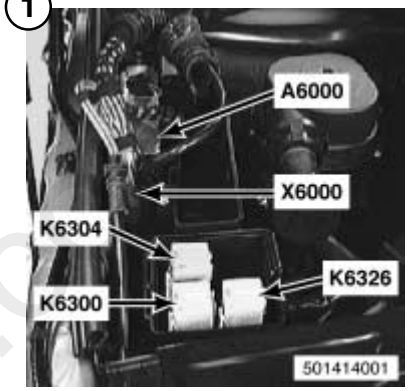
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7100.0 COMPONENT LOCATION VIEWS

ELECTRICAL CONTROL MODULE LOCATIONS



1



A6000
ENGINE CONTROL MODULE (DME)

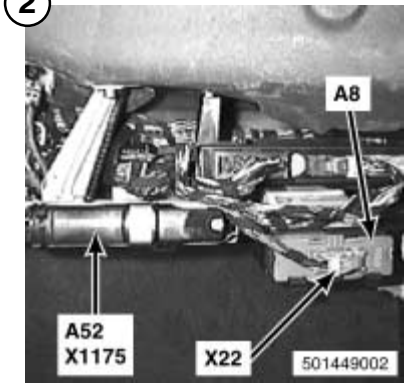
K6300
ENGINE CONTROL MODULE RELAY

K6304
SECONDARY AIR PUMP RELAY

K6326
UNLOADER RELAY, TERMINAL 15

X6000

2



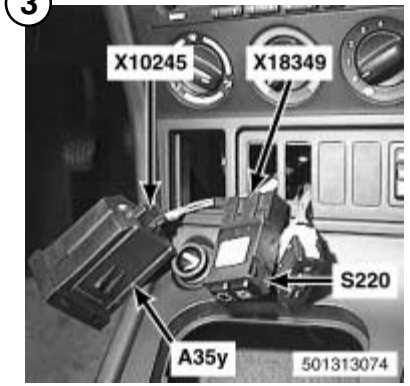
A8
CRUISE CONTROL MODULE (TEMPOMAT)

A52
SLIP CONTROL MODULE (ABS/ASC)

X22

X1175

3



A35y
BOARD COMPUTER (BC – LOW)

S220
AIR CONDITIONING/RECIRCULATING SWITCH ASSEMBLY

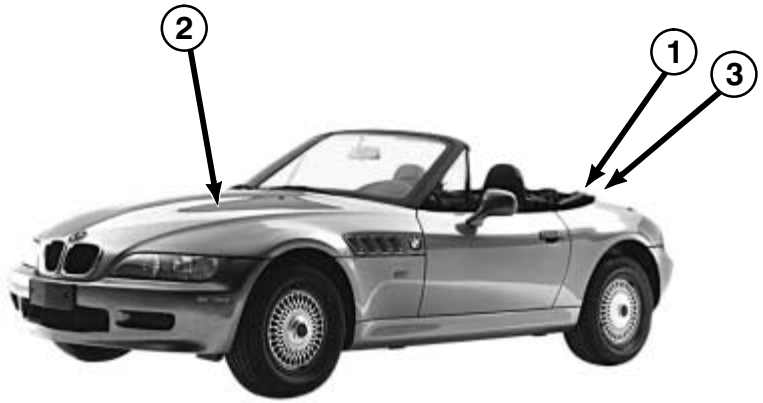
X10245

X18349

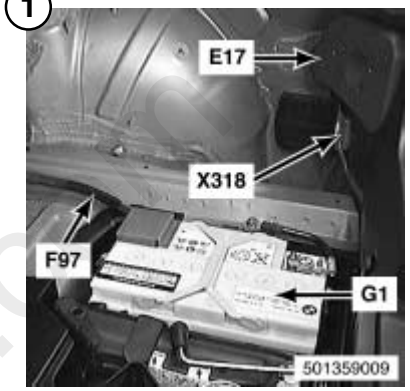
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COMPONENT LOCATION VIEWS

B(+)



1



E17
RIGHT REAR LIGHT ASSEMBLY

X318

F97
FUSIBLE LINK

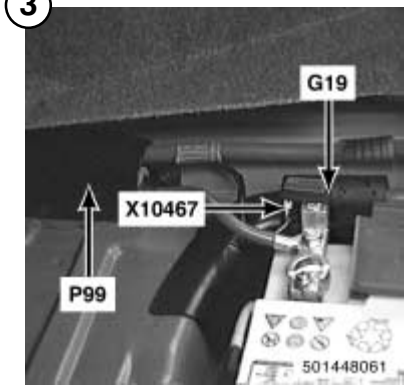
G1
BATTERY

2



G6430
B+ JUMP START JUNCTION POINT

3



G19
BATTERY SAFETY TERMINAL

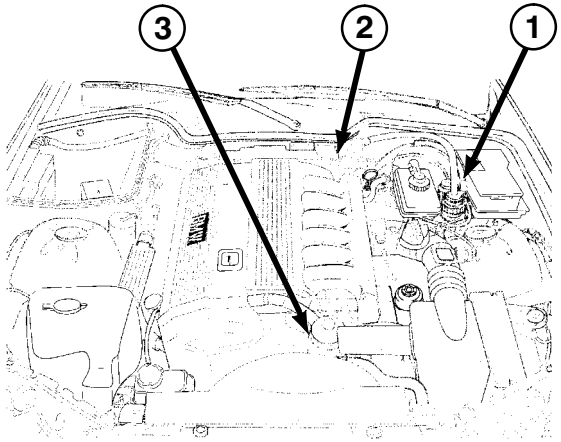
P99
FUSE HOLDER

X10467

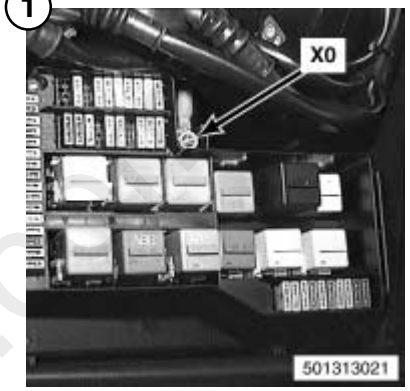
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COMPONENT LOCATION VIEWS

B(+)

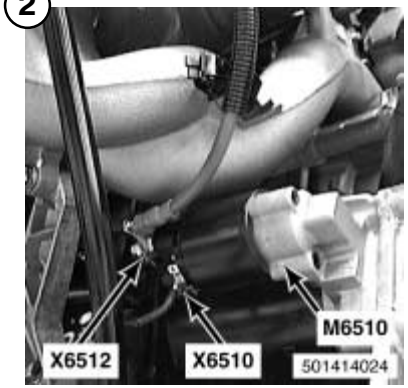


1



X0
B+ JUNCTION POINT

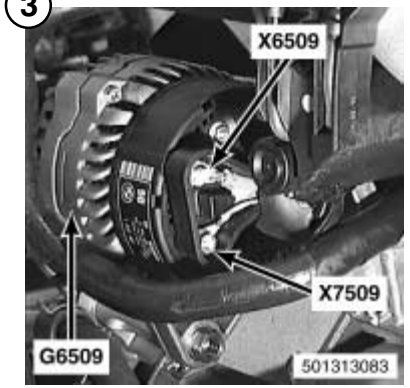
2



M6510
STARTER

X6510
X6512

3



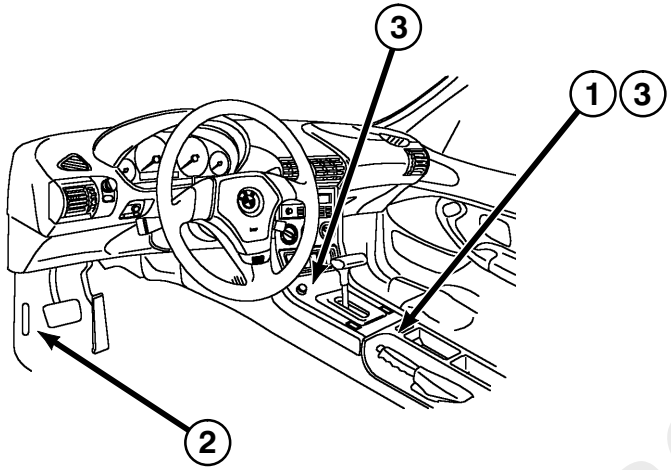
G6509
GENERATOR

X6509
X7509

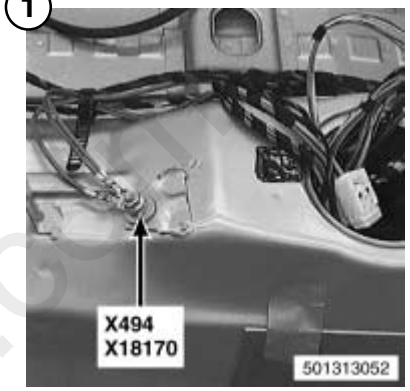
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COMPONENT LOCATION VIEWS

B(–)



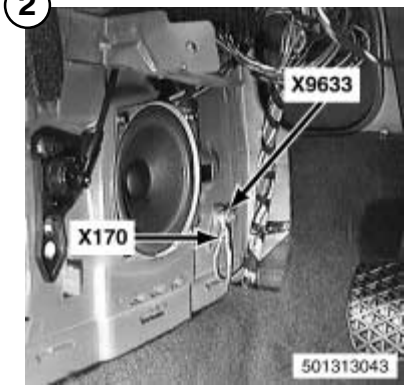
1



X494
GROUND

X18170
GROUND

2



X170
GROUND

X9633
GROUND

3

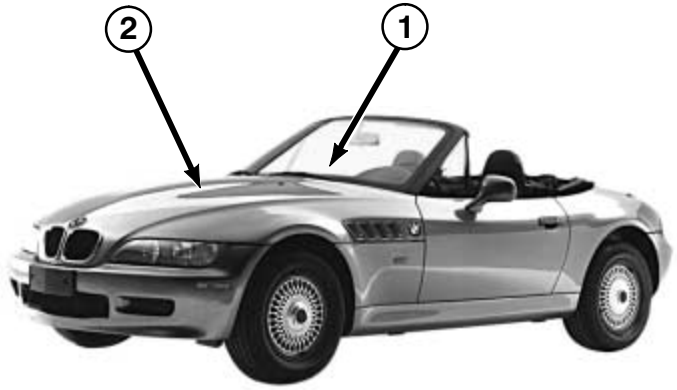


X1441
GROUND

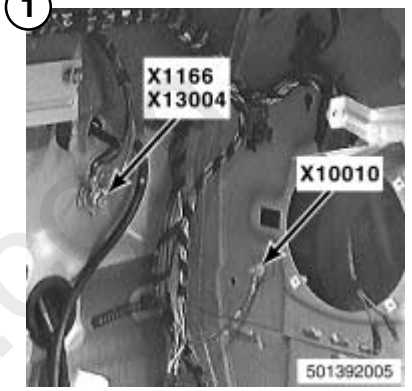
cardiagn.com

COMPONENT LOCATION VIEWS

B(–)



1

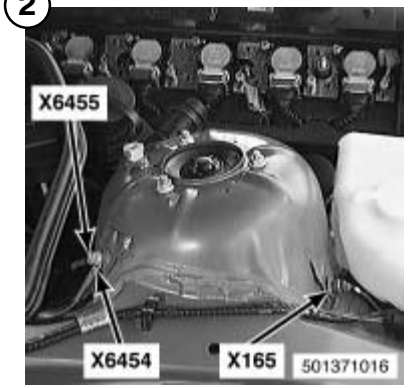


X1166
GROUND

X10010
GROUND

X13004
GROUND

2



X165
GROUND

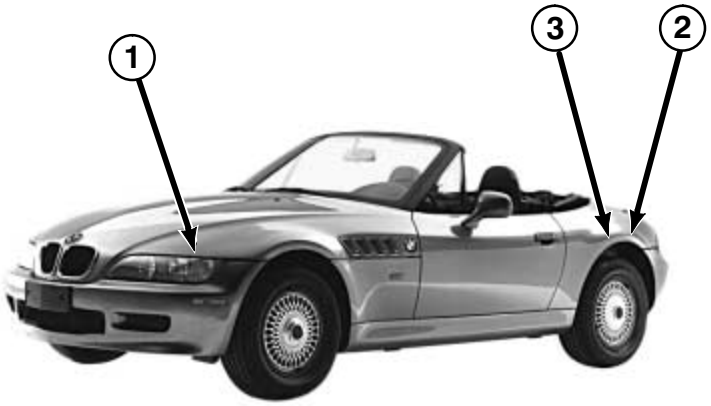
X6454
GROUND

X6455
GROUND

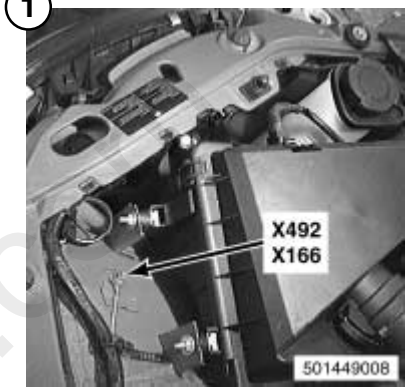
cardiagn.com

COMPONENT LOCATION VIEWS

B(–)



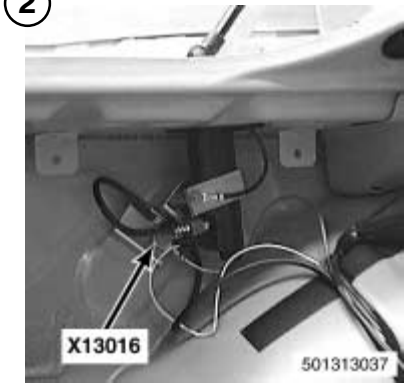
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X166
GROUND

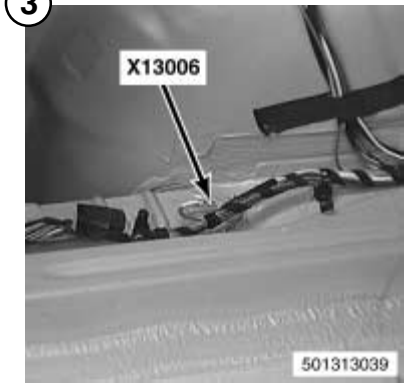
X492
GROUND

2



X13016
GROUND

3

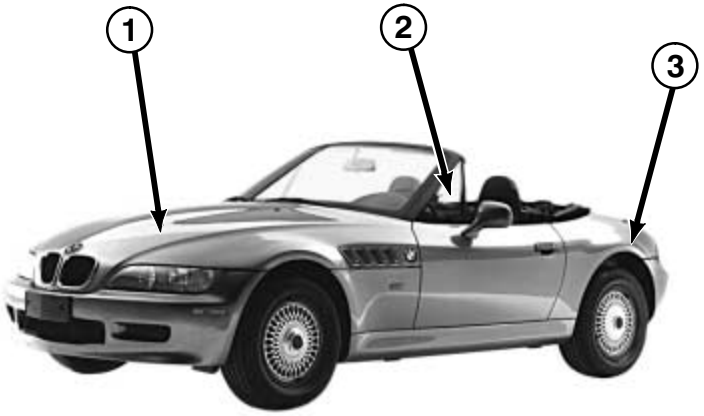


X13006
GROUND

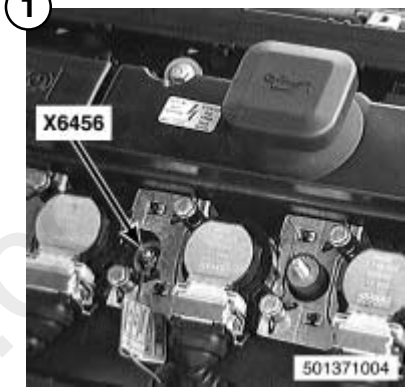
cardiagn.com

COMPONENT LOCATION VIEWS

B(–)



1



X6456
GROUND

2



X13032
GROUND

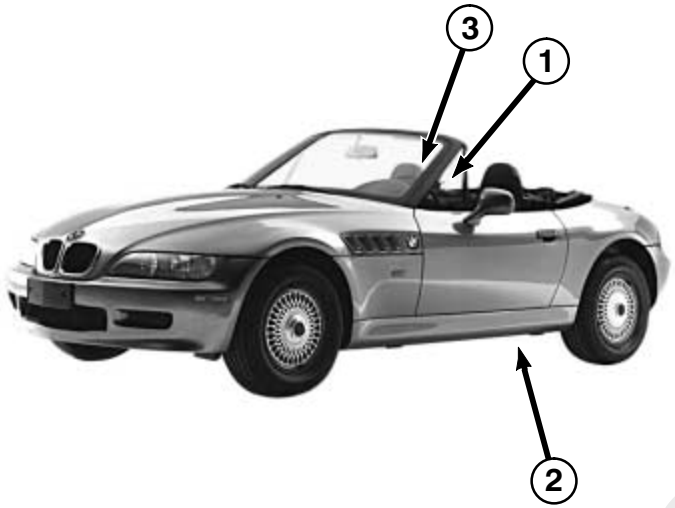
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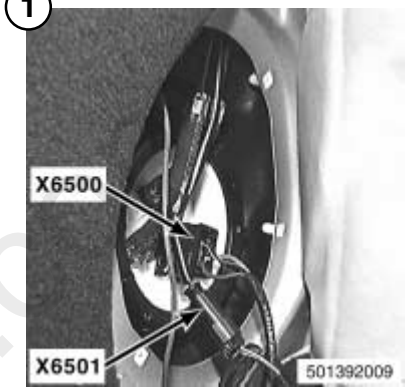
X1116
GROUND

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COMPONENT LOCATION VIEWS

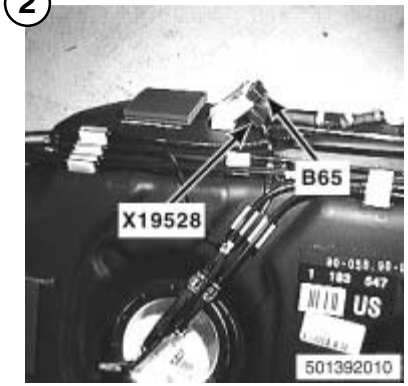


1



X6500
X6501

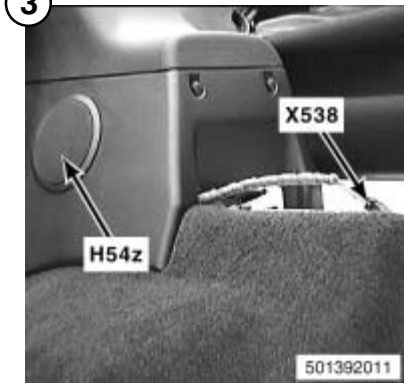
2



B65
FUEL TANK
PRESSURE
SENSOR

X19528

3

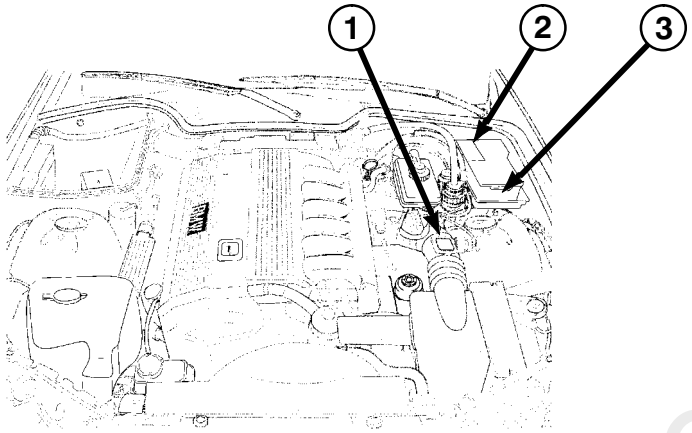


H54z
REAR RIGHT MID–
HIGH RANGE
SPEAKER

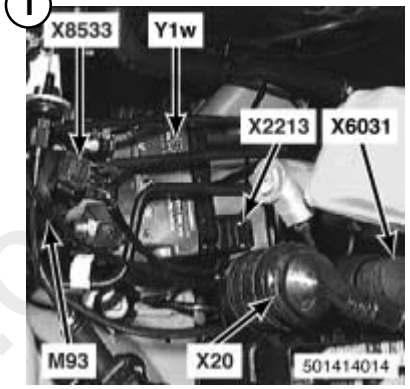
X538

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COMPONENT LOCATION VIEWS



1

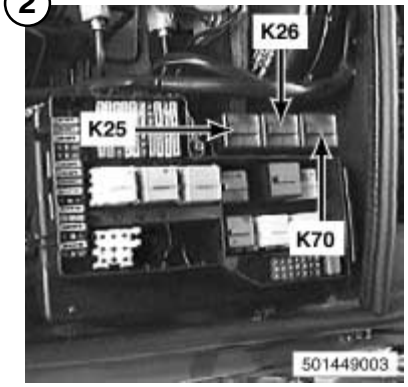


M93
AUXILIARY
THROTTLE
POSITION MOTOR
(ADS)

Y1w
ABS HYDRAULIC
UNIT

X20
X2213
X6031
X8533

2

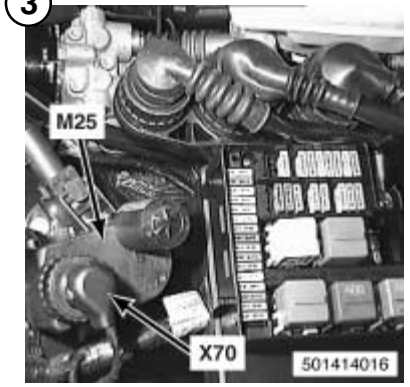


K25
RIGHT PARK
LIGHT/LICENSE
PLATE LIGHT
RELAY

K26
LEFT PARK LIGHT
RELAY

K70
CENTRAL LOCKING
LUGGAGE
COMPARTMENT
LID MOTOR RELAY
(ZV)

3

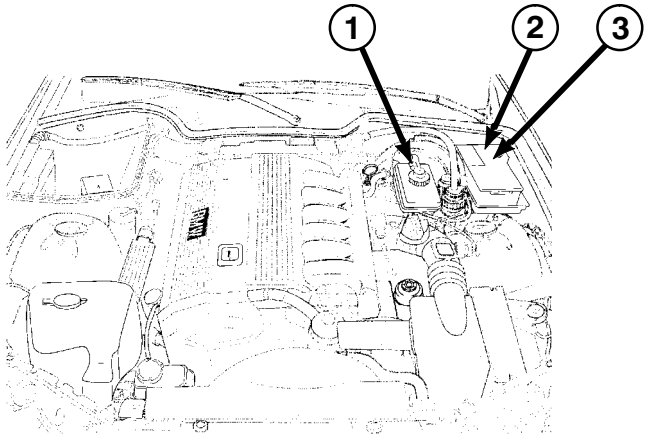


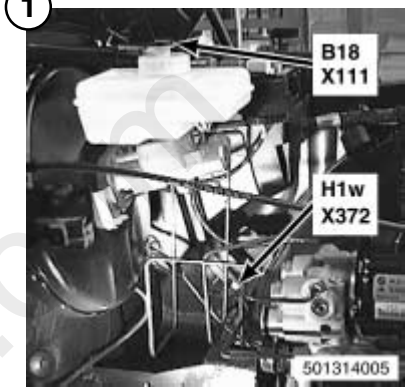
M25
CRUISE CONTROL
ACTUATOR
(TEMPOMAT)

X70

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COMPONENT LOCATION VIEWS

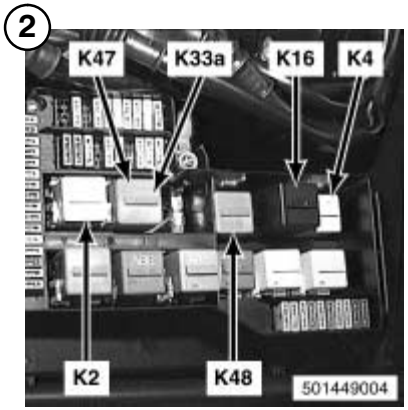




B18
BRAKE FLUID
LEVEL SWITCH

H1w
ANTI–THEFT HORN
(ALPINE)

X111
X372



K2
HORN RELAY

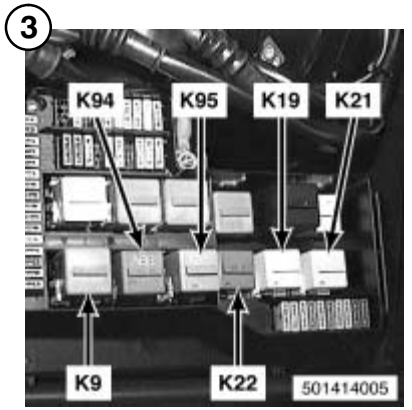
K33a
AIR CONDITIONING
RELAY, MOTRONIC

K4
BLOWER RELAY

K47
FRONT FOG LIGHT
RELAY

K16
HAZARD FLASHER
RELAY

K48
LOW BEAM LIGHT
RELAY



K9
UNLOADER RELAY,
TERMINAL 15

K22
HIGH SPEED
RELAY

K19
COMPRESSOR
CONTROL RELAY

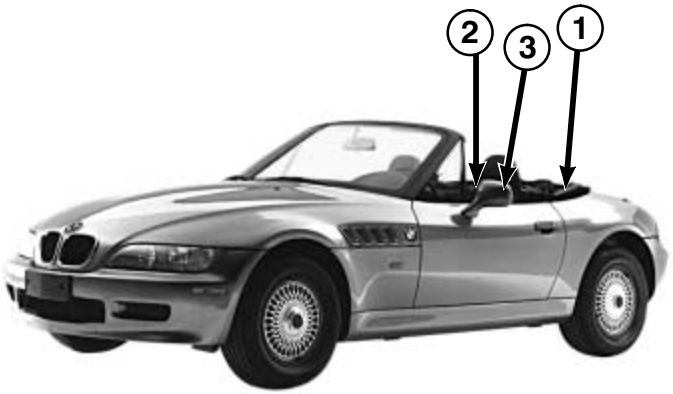
K94
ENGINE CONTROL
RELAY (ABS/ASC)

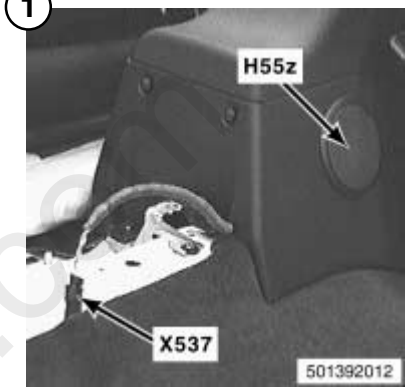
K21
NORMAL SPEED
RELAY

K95
VALVE RELAY
(ABS/ASC)

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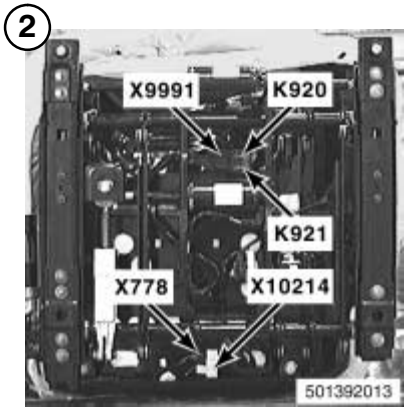
COMPONENT LOCATION VIEWS





H55z
REAR LEFT MID–HIGH RANGE SPEAKER

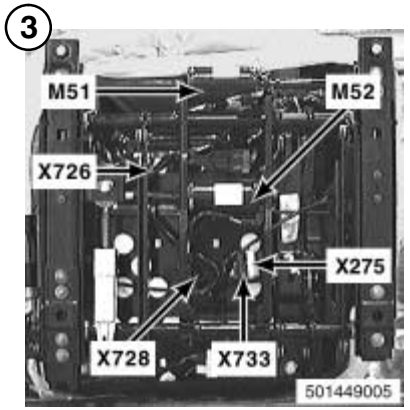
X537



K920
DRIVER'S SEAT TILT ADJUST CUT–OFF RELAY

K921
DRIVER'S SEAT LENGTH ADJUST CUT–OFF RELAY

X778
X9991
X10214



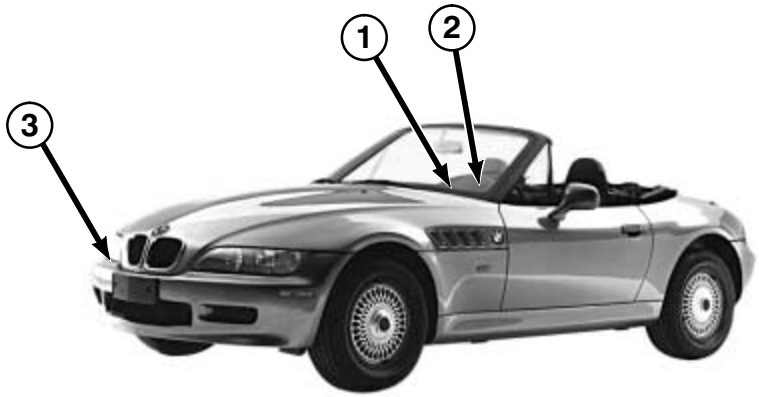
M51
DRIVER'S SEAT MOVEMENT MOTOR

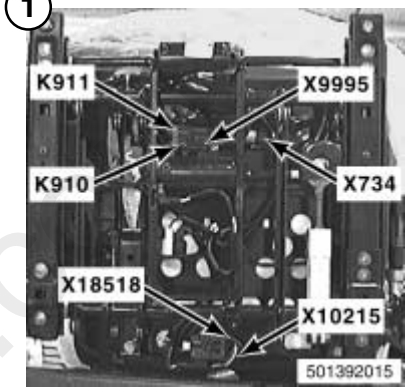
M52
DRIVER'S SEAT HEIGHT MOTOR

X275
X726
X728
X733

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COMPONENT LOCATION VIEWS

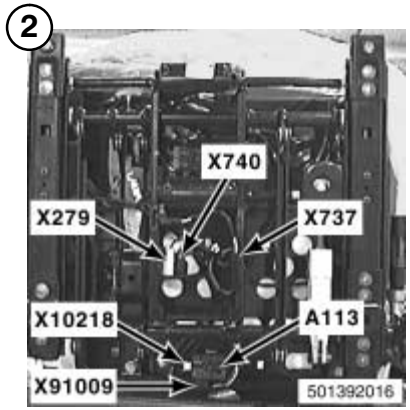




K910
PASSENGER'S
SEAT TILT ADJUST
CUT–OFF RELAY

K911
PASSENGER'S
SEAT LENGTH AD-
JUST CUT–OFF
RELAY

X734
X9995
X10215
X18518



A113
SEAT OCCUPANCY
DETECTOR

X279
X737
X740
X10218
X91009

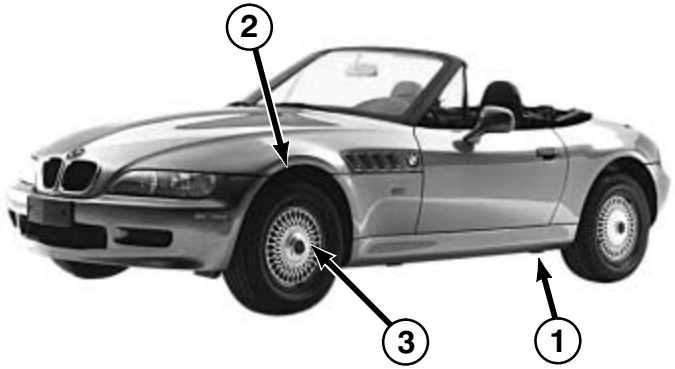


B21
ON–BOARD
COMPUTER
TEMPERATURE
SENSOR

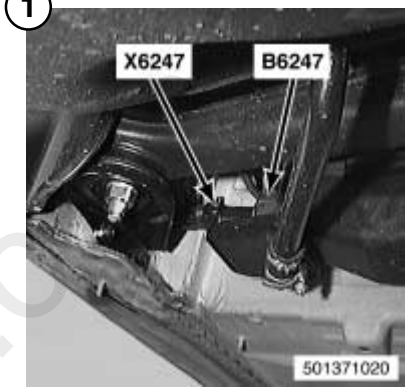
X770

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COMPONENT LOCATION VIEWS



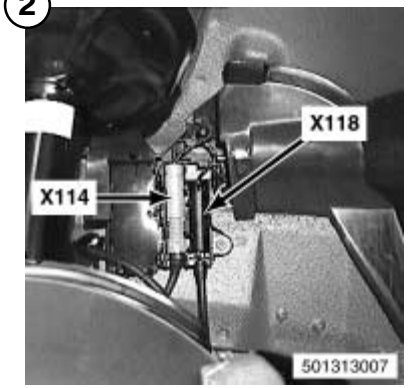
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B6247
CHARCOAL FILTER
SHUT–OFF VALVE

X6247

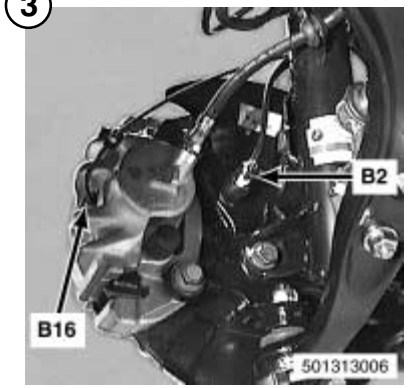
2



X114

X118

3

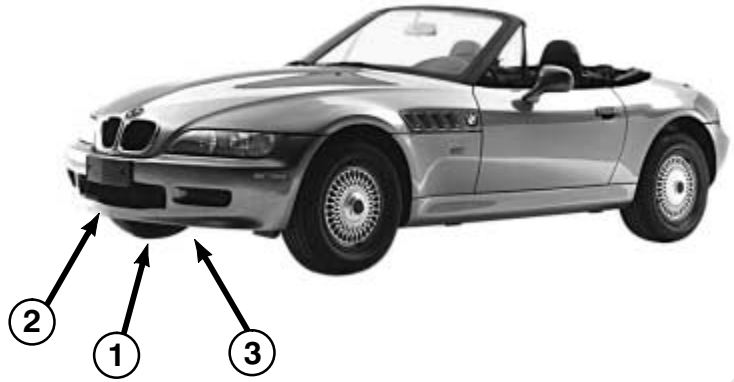


B2
LEFT FRONT
SPEED SENSOR –
ABS

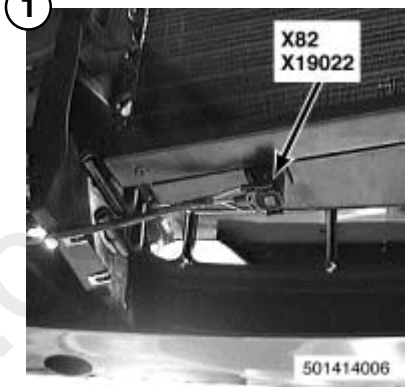
B16
LEFT FRONT
BRAKE PAD
SENSOR

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COMPONENT LOCATION VIEWS



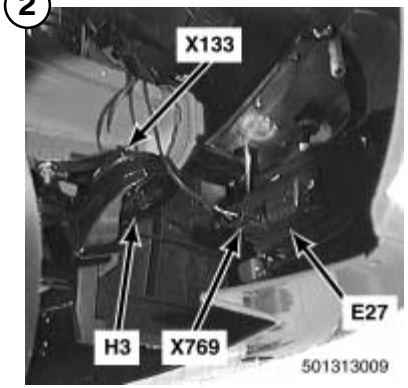
1



X82

X19022

2



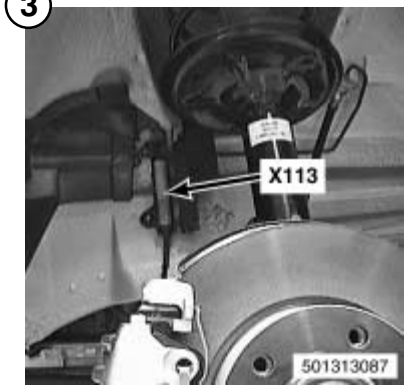
E27
RIGHT FOG LIGHT

H3
RIGHT HORN

X133

X769

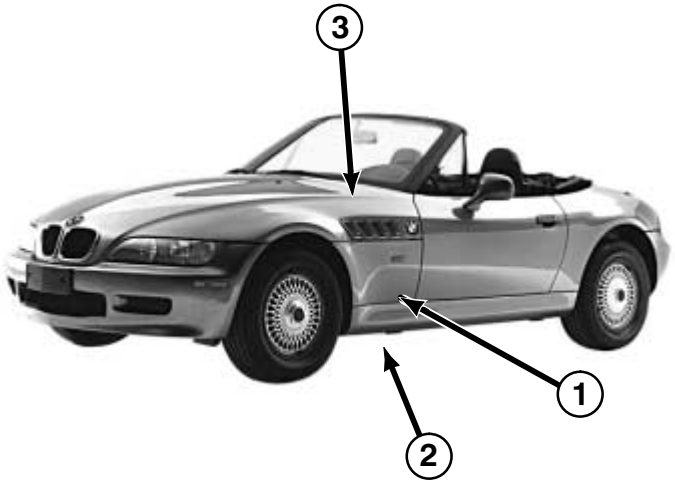
3



X113

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COMPONENT LOCATION VIEWS

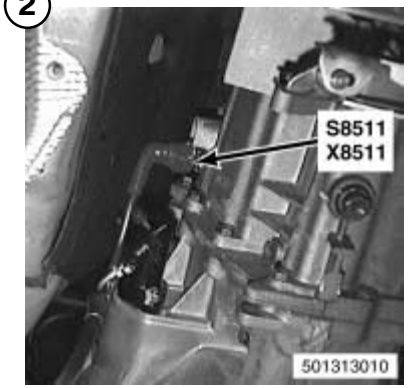


1



X10065

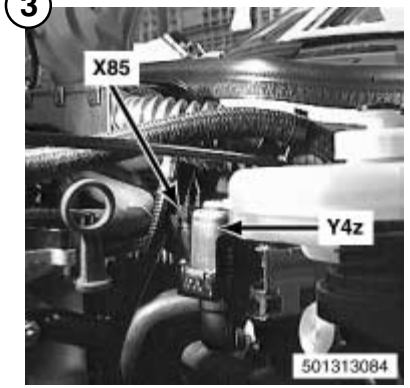
2



S8511
REVERSING LIGHT SWITCH

X8511

3

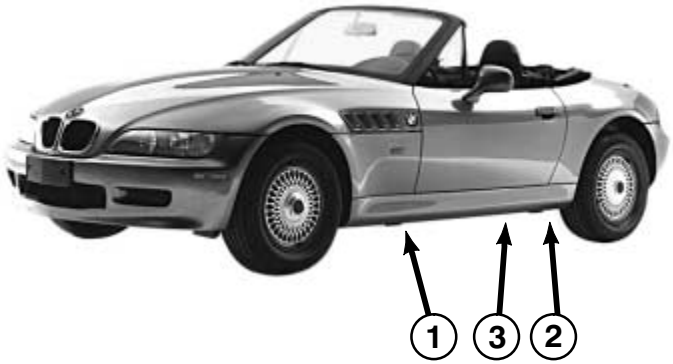


Y4z
WATER VALVE

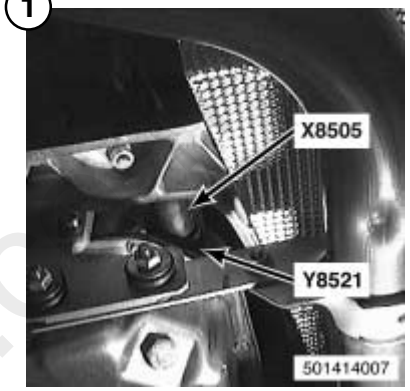
X85

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COMPONENT LOCATION VIEWS



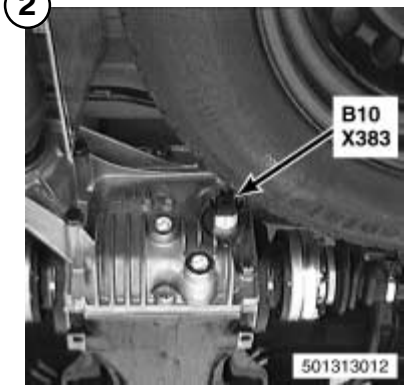
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Y8521
TRANSMISSION
VALVE UNIT

X8505

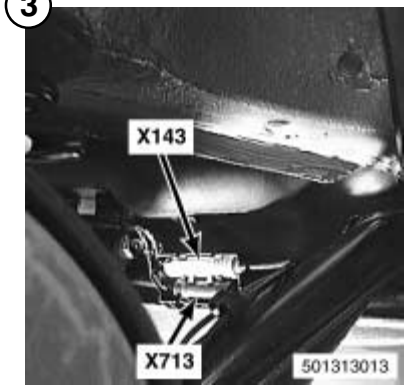
2



B10
VEHICLE SPEED
SENSOR

X383

3

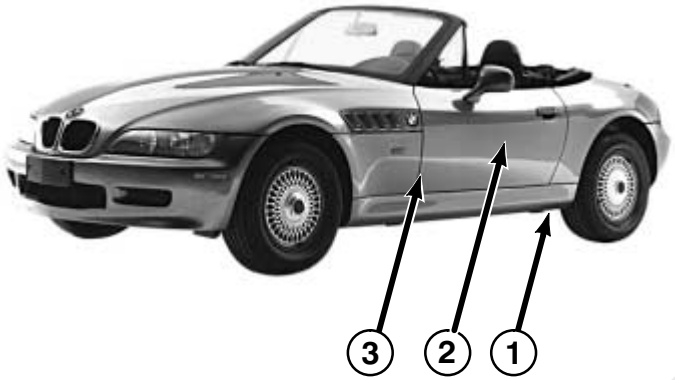


X143

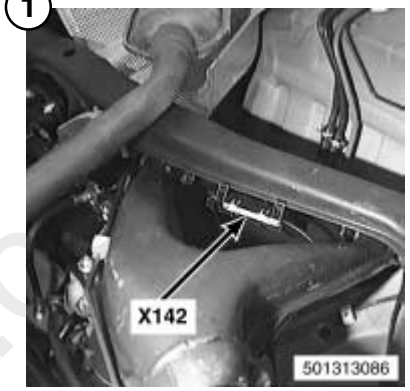
X713

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COMPONENT LOCATION VIEWS

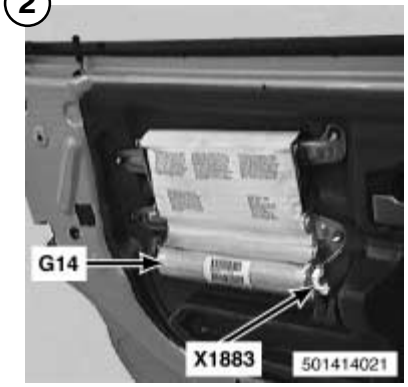


1



X142

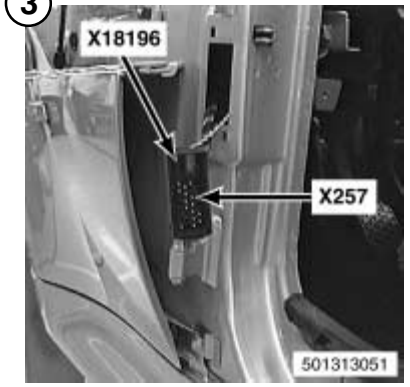
2



G14
LEFT SIDE AIR BAG
GAS GENERATOR

X1883

3

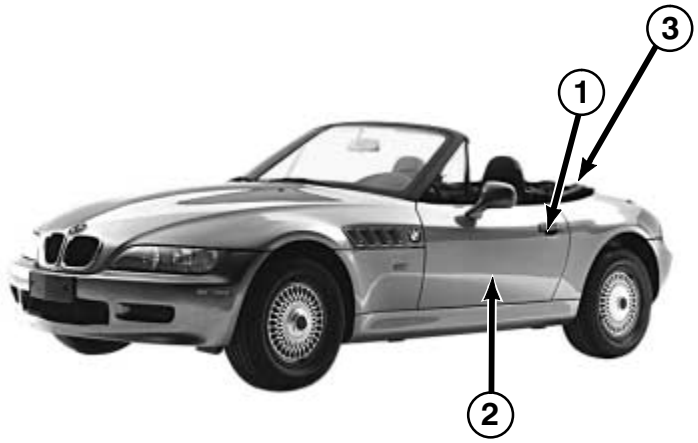


X257

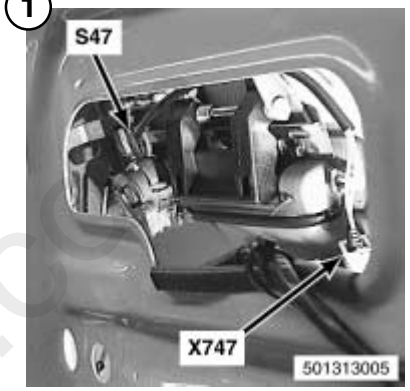
X18196

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COMPONENT LOCATION VIEWS



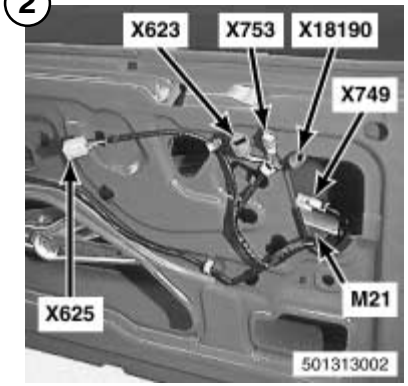
1



S47
DRIVER'S DOOR
LOCK SWITCH

X747

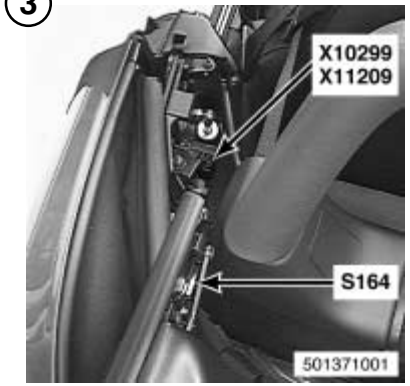
2



M21
DRIVER'S WINDOW
MOTOR

X623
X625
X749
X753
X18190

3

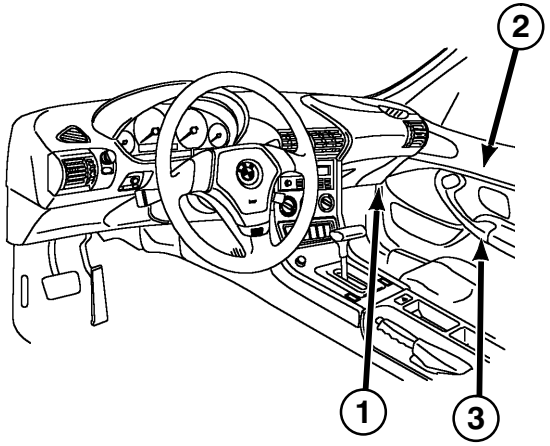


S164
CONVERTIBLE TOP
END–POSITION MI-
CRO SWITCH

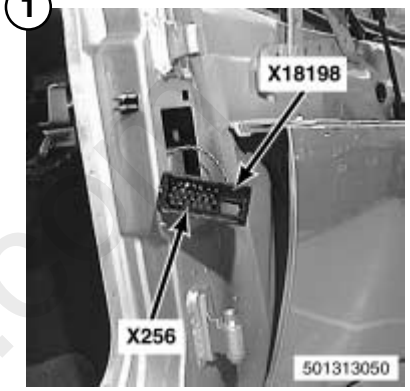
X10299
X11209

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COMPONENT LOCATION VIEWS

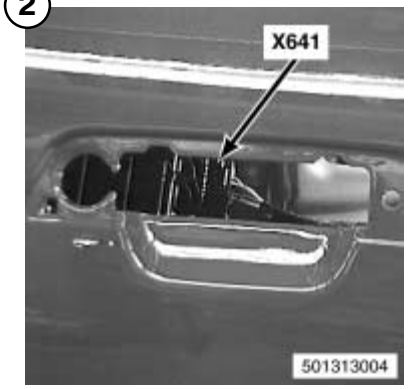


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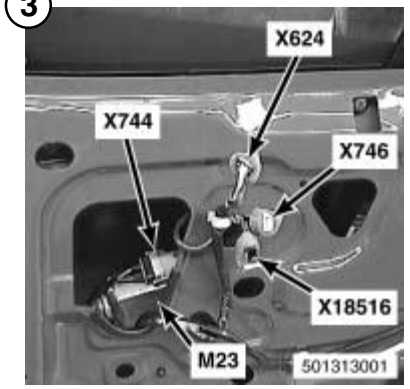
X256
X18198

2



X641

3

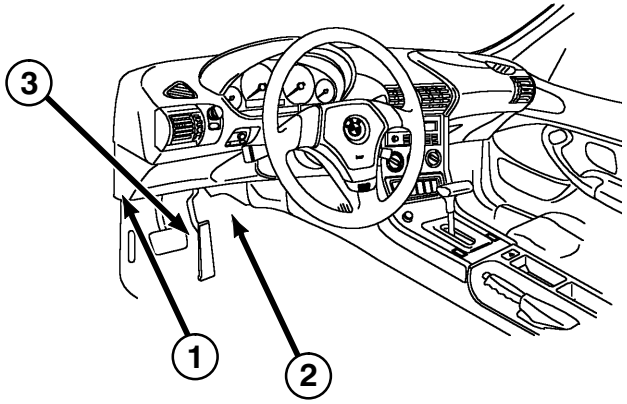


M23
PASSENGER'S
WINDOW MOTOR

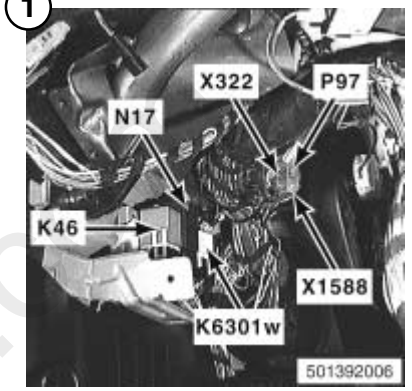
X624
X744
X746
X18516

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COMPONENT LOCATION VIEWS



1



K46
HIGH BEAM LIGHT RELAY

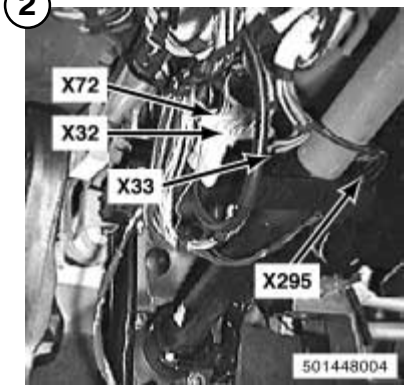
K6301w
FUEL PUMP RELAY

N17
CRASH CONTROL MODULE

P97
AUXILIARY FUSE BOX

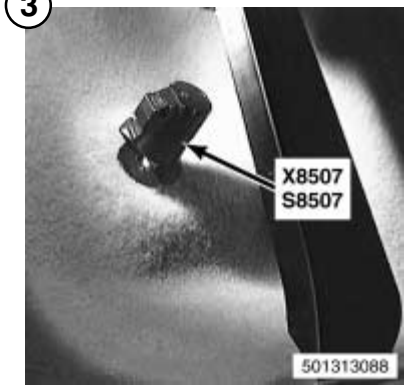
X322
X1588

2



X32
X33
X72
X295

3

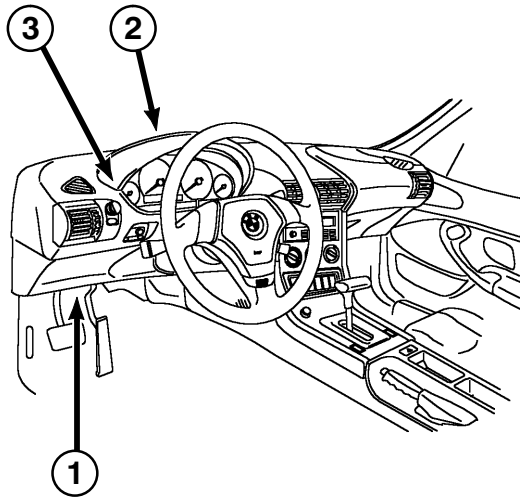


S8507
KICK–DOWN SWITCH

X8507

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COMPONENT LOCATION VIEWS



1



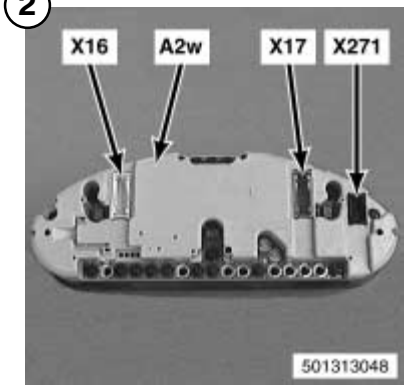
S30
BRAKE LIGHT SWITCH

S32
CLUTCH SWITCH

S235
STARTER IMMOBILIZATION SWITCH

X78
X121
X18994

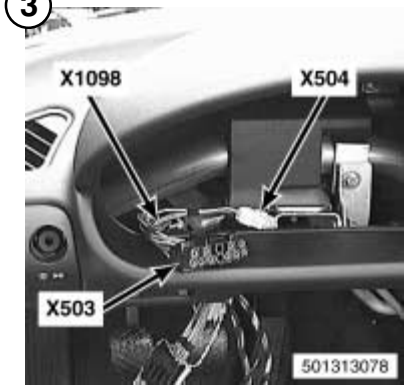
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A2w
INSTRUMENT CLUSTER

X16
X17
X271

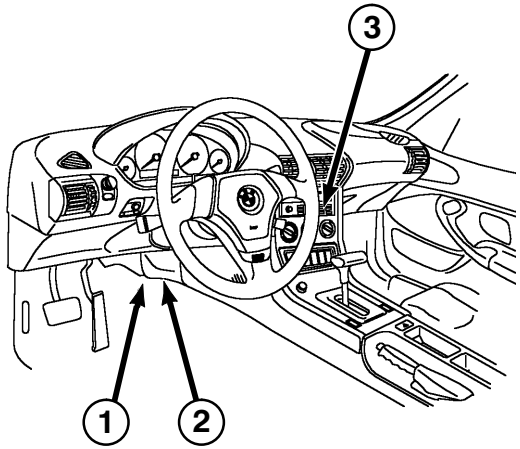
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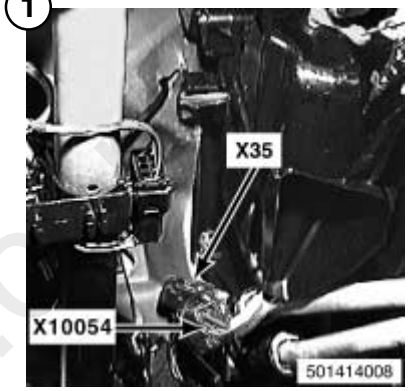
X503
X504
X1098

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COMPONENT LOCATION VIEWS

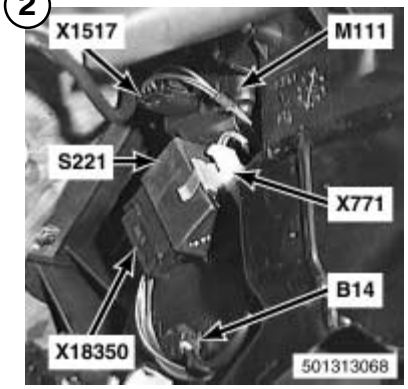


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X35
X10054

2



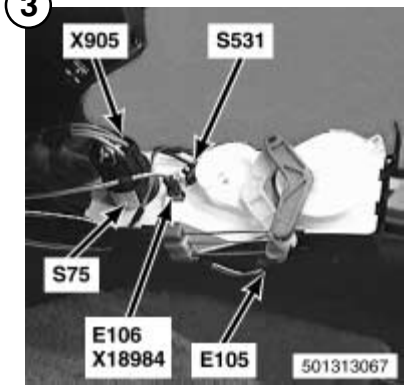
B14
EVAPORATOR
TEMPERATURE
SENSOR

X771
X1517
X18350

M111
FRESH AIR
RECIRCULATION
MOTOR

S221
EVAPORATOR
CONTROLLER

3



E105
HEAT/A/C
CONTROL PANEL
ILLUMINATION

S531
TEMPERATURE
WHEEL SWITCH

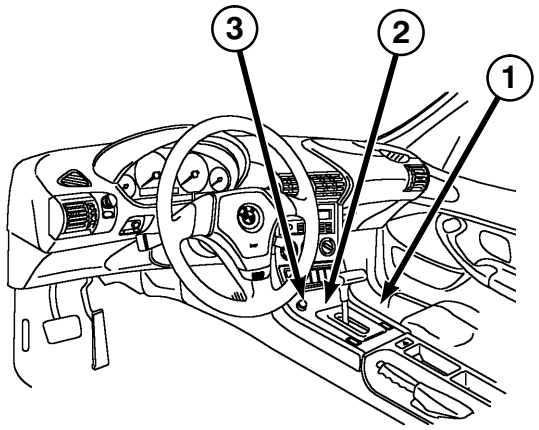
E106
HEAT/A/C
CONTROL PANEL
ILLUMINATION

X905
X18984

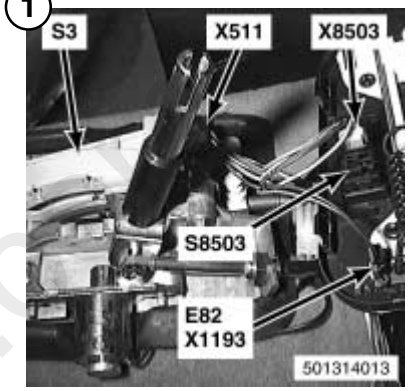
S75
BLOWER SWITCH

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COMPONENT LOCATION VIEWS



1



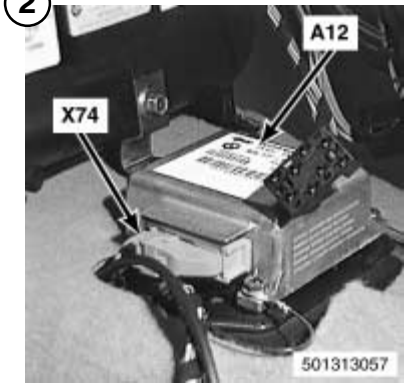
E82
TRANSMISSION POSITION INDICATOR LIGHT

X511
X1193
X8503

S3
AUTOMATIC TRANSMISSION RANGE SWITCH

S8503
PROGRAM SWITCH

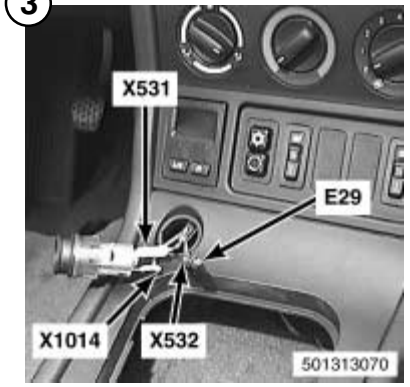
2



A12
SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE

X74

3

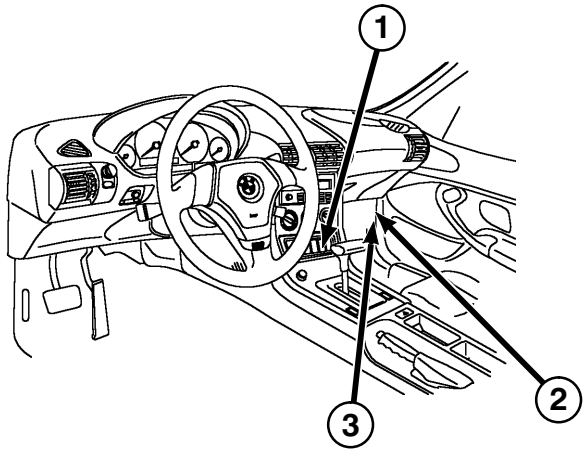


E29
FRONT CIGAR LIGHTER LIGHT

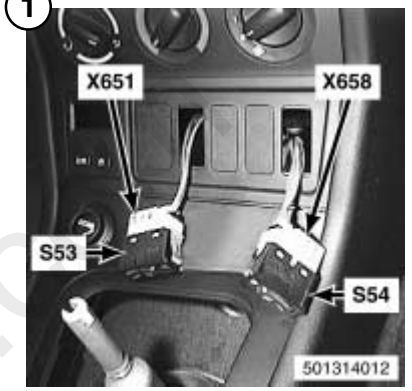
X531
X532
X1014

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COMPONENT LOCATION VIEWS



1



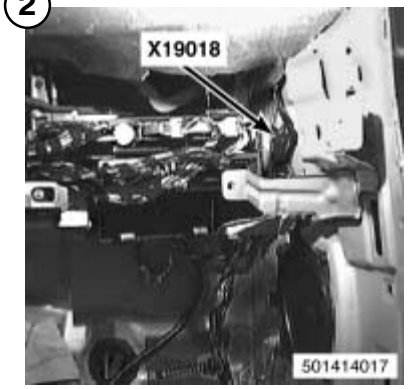
S53
DRIVER'S SEAT, SEAT HEATER SWITCH

S54
PASSENGER'S SEAT, SEAT HEATER SWITCH

X651

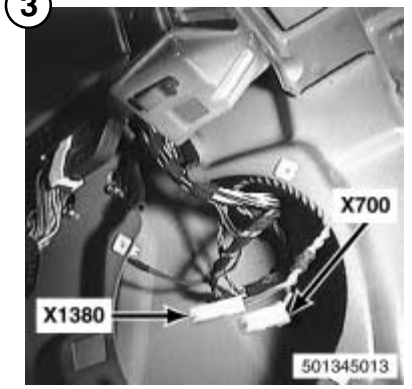
X658

2



X19018

3

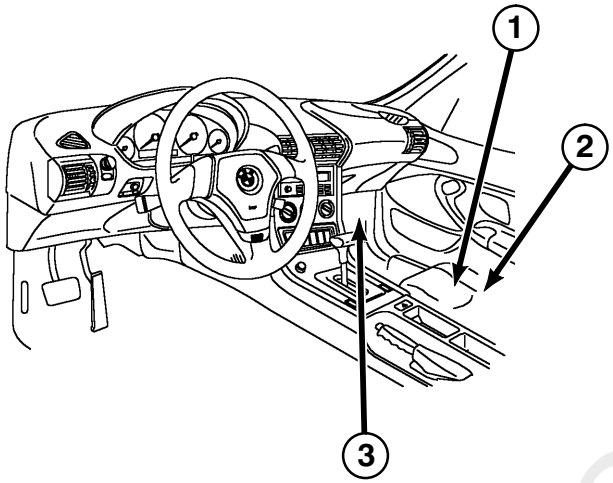


X700

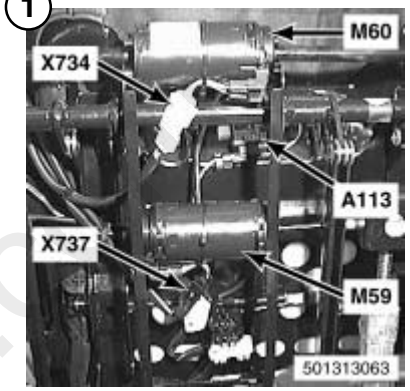
X1380

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COMPONENT LOCATION VIEWS



1



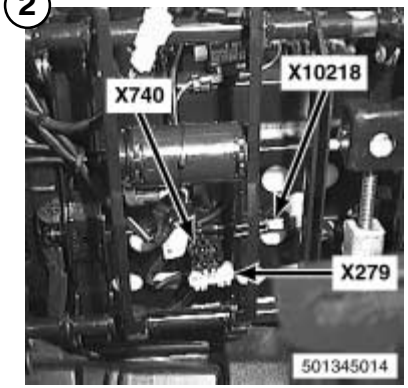
A113
SEAT OCCUPANCY DETECTOR

X734
X737

M59
PASSENGER'S SEAT HEIGHT MOTOR

M60
PASSENGER'S SEAT MOVEMENT MOTOR

2



X279
X740
X10218

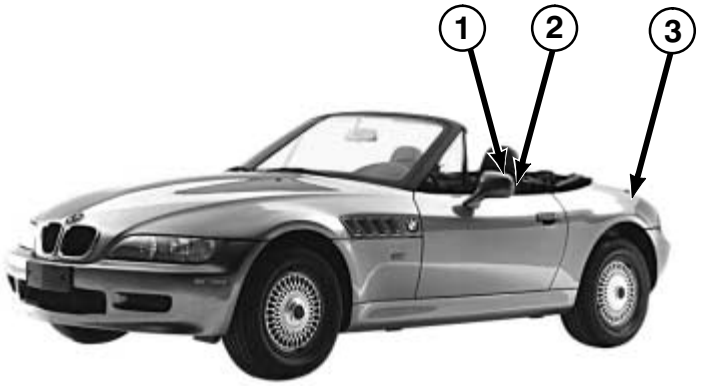
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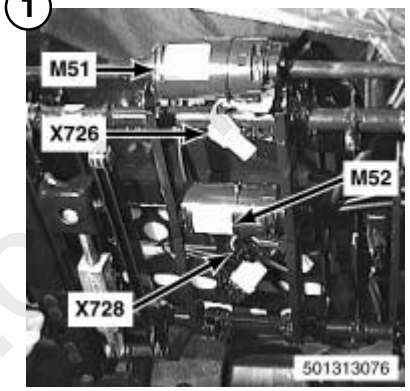


X782
X10244
X13025

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COMPONENT LOCATION VIEWS

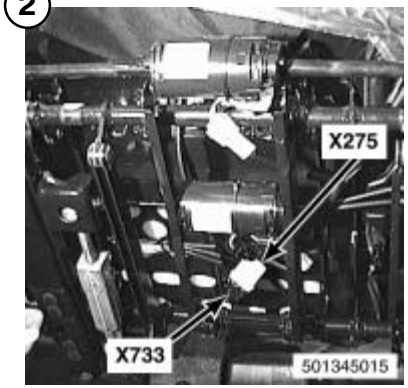




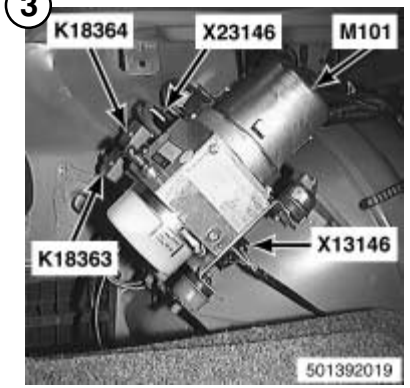
M51
DRIVER'S SEAT
MOVEMENT
MOTOR

M52
DRIVER'S SEAT
HEIGHT MOTOR

X726
X728



X275
X733



K18363
CONVERTIBLE TOP
RELAY I (CLOSE)

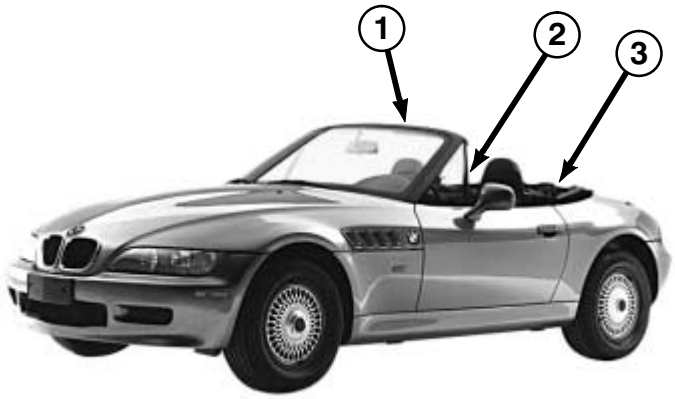
K18364
CONVERTIBLE TOP
RELAY II (OPEN)

M101
CONVERTIBLE TOP
MOTOR

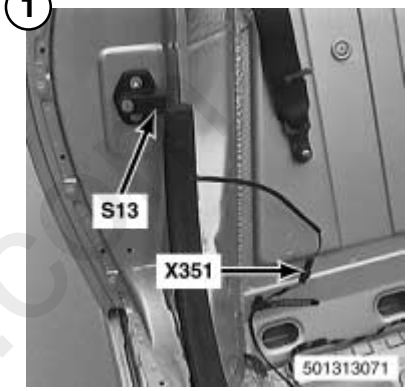
X13146
X23146

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COMPONENT LOCATION VIEWS



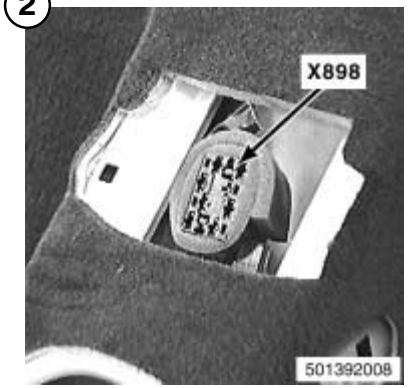
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S13
PASSENGER'S
DOOR JAMB
SWITCH

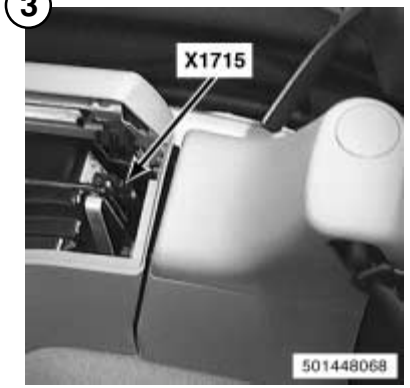
X351

2



X898

3



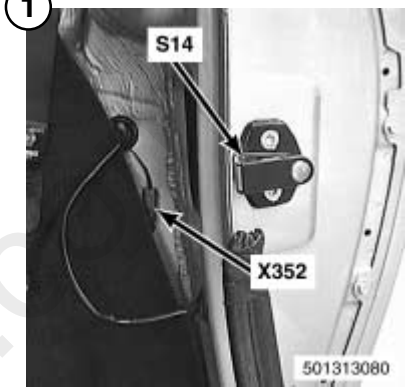
X1715

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COMPONENT LOCATION VIEWS



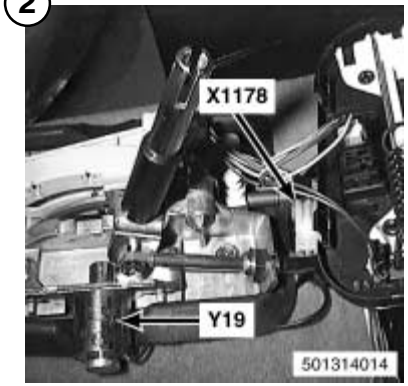
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S14
DRIVER'S DOOR
JAMB SWITCH

X352

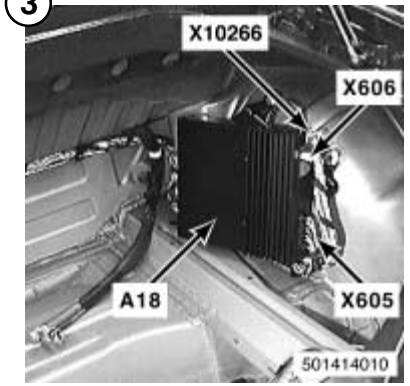
2



Y19
SHIFT–LOCK

X1178

3

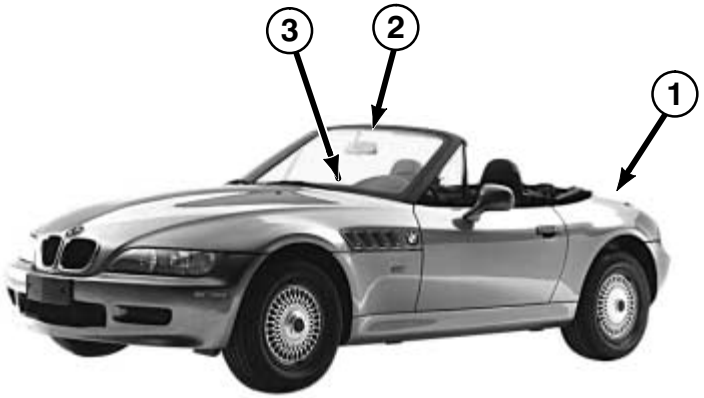


A18
HIFI AMPLIFIER

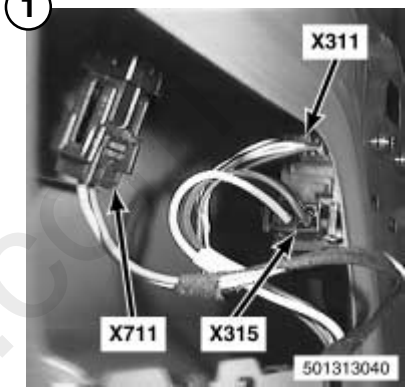
X605
X606
X10266

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COMPONENT LOCATION VIEWS

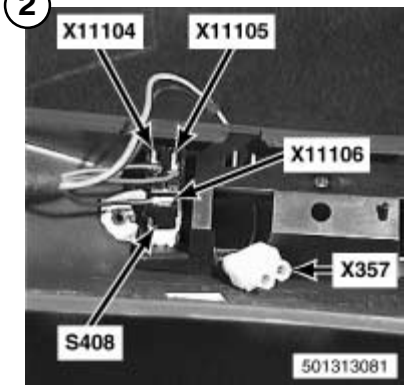


1



X311
X315
X711

2



S408
INTERIOR LIGHT
SWITCH

X357
X11104
X11105
X11106

3

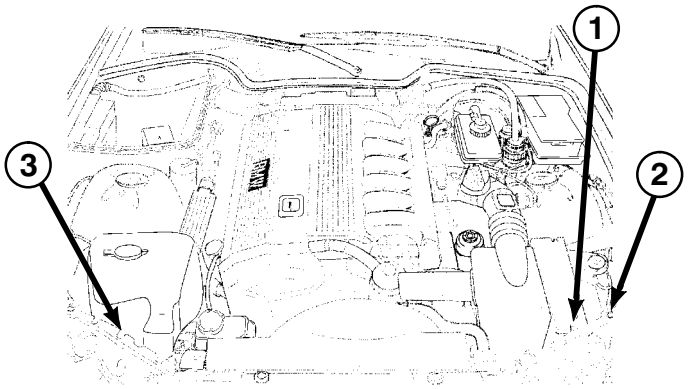


D110
OBD II
CONNECTOR

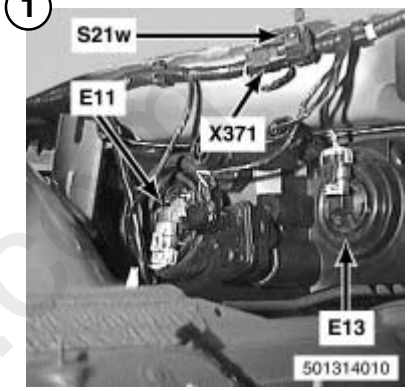
X19527

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COMPONENT LOCATION VIEWS



1



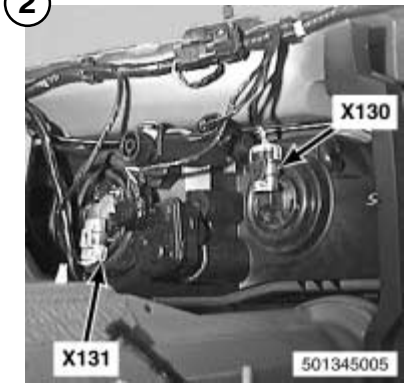
E11
LEFT HIGH BEAM LIGHT

E13
LEFT LOW BEAM LIGHT

S21w
ENGINE HOOD SWITCH

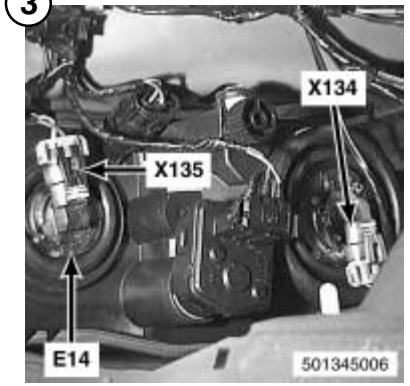
X371

2



X130
X131

3

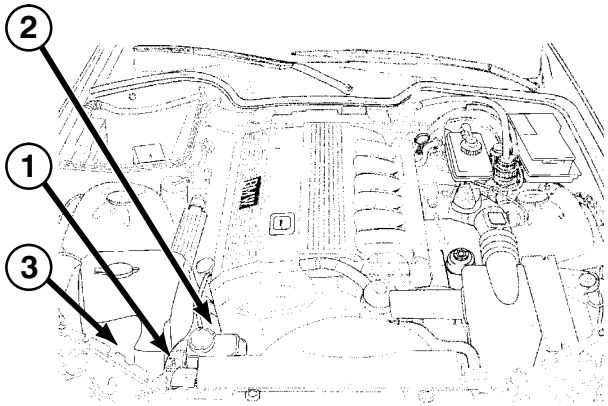


E14
RIGHT LOW BEAM LIGHT

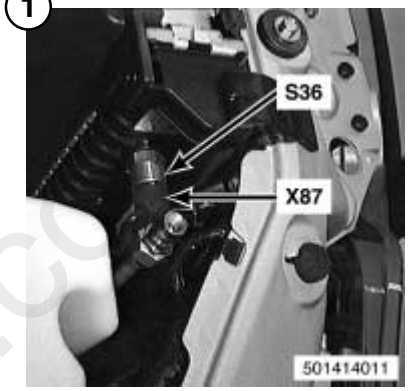
X134
X135

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COMPONENT LOCATION VIEWS



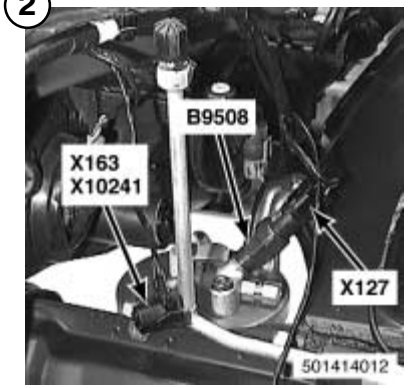
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S36
TEMPERATURE
SWITCH

X87

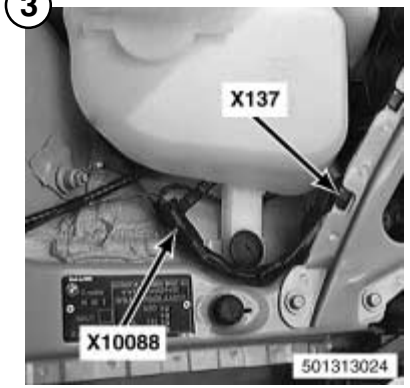
2



B9508
PRESSURE
SWITCH

X127
X163
X10241

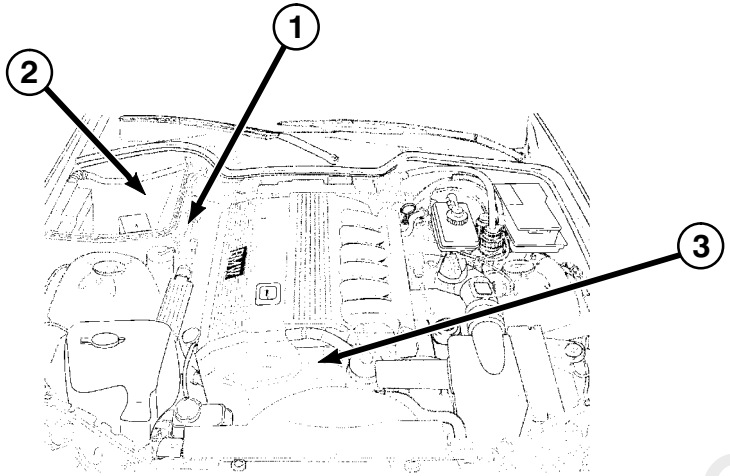
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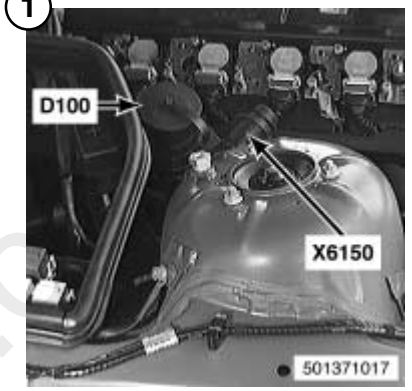
X137
X10088

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COMPONENT LOCATION VIEWS



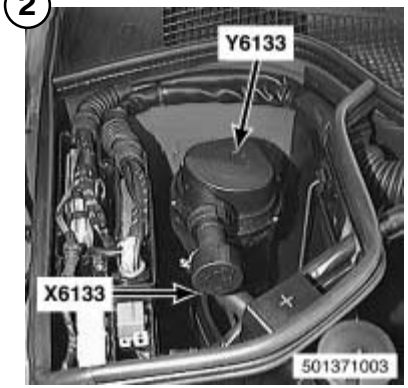
1



D100
DATA LINK
CONNECTOR

X6150

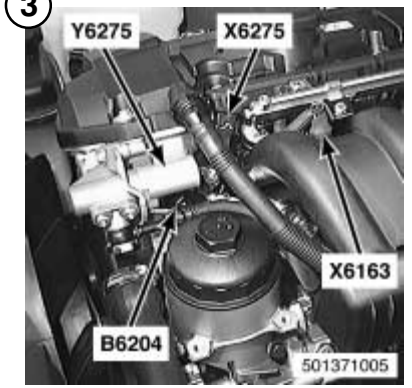
2



Y6133
AIR PUMP

X6133

3



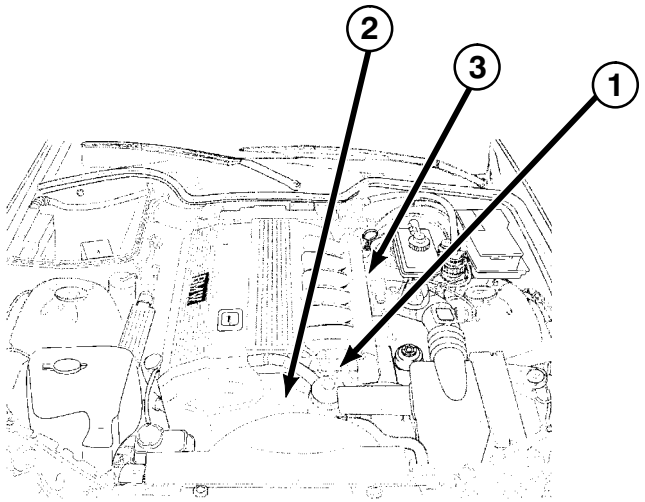
B6204
CAMSHAFT
POSITION SENSOR
(CYLINDER
IDENTIFICATION)

Y6275
VARIABLE CAM-
SHAFT CONTROL
VALVE 1

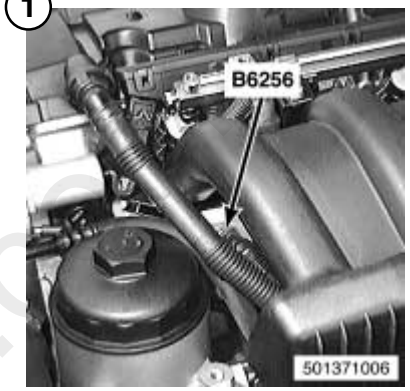
X6163
X6275

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COMPONENT LOCATION VIEWS

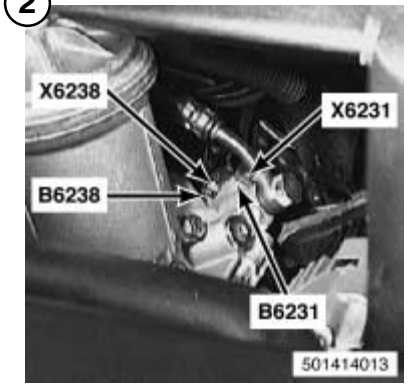


1



B6256
DUAL
TEMPERATURE
SENSOR
(COOLANT
TEMPERATURE)

2

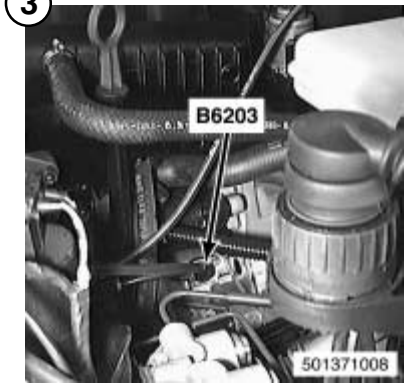


B6231
OIL PRESSURE
SWITCH

B6238
OIL TEMPERATURE
SENSOR

X6231
X6238

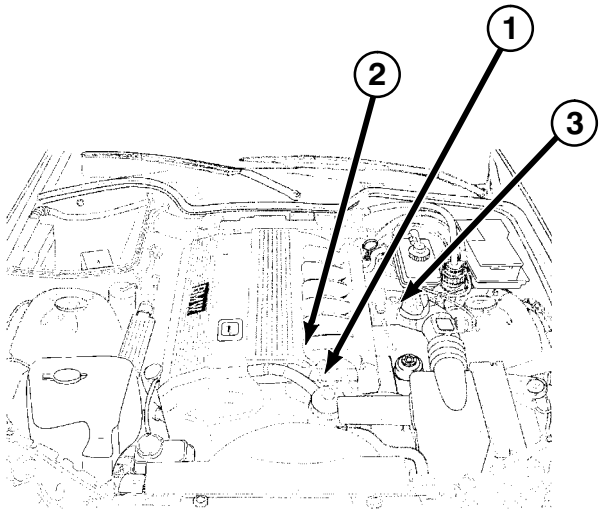
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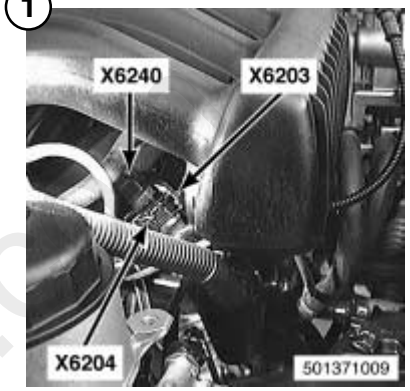
B6203
CRANKSHAFT
POSITION/RPM
SENSOR

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COMPONENT LOCATION VIEWS

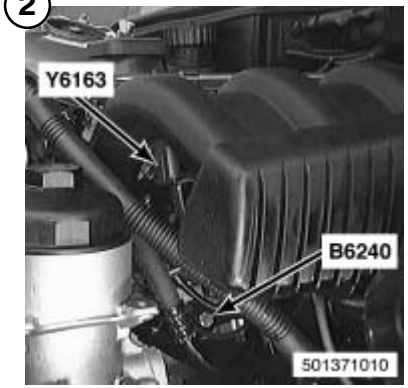


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X6203
X6204
X6240

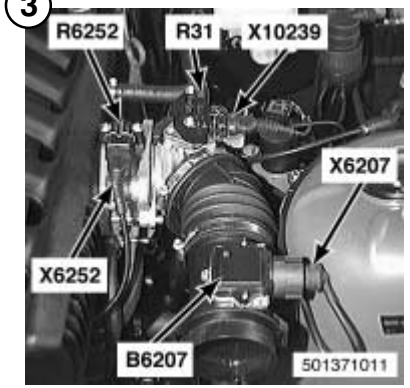
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B6240
KNOCK SENSOR

Y6163
SECONDARY AIR
PUMP VALVE

3



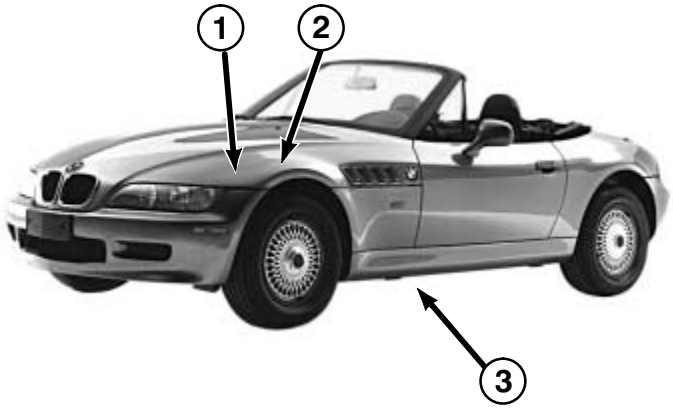
B6207 X6207
HOT FILM AIR X6252
MASS METER X10239

R31
AUXILIARY
THROTTLE
POSITION SENSOR

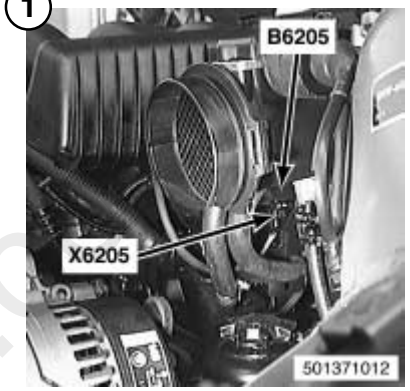
R6252
THROTTLE
POSITION SENSOR

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COMPONENT LOCATION VIEWS



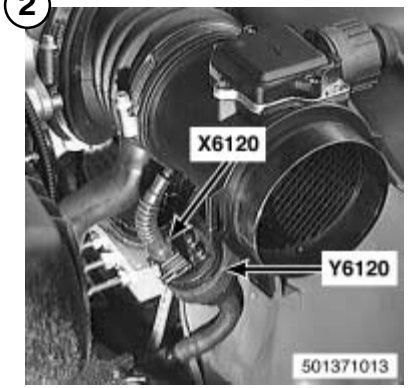
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B6205
INTAKE AIR
TEMPERATURE
SENSOR

X6205

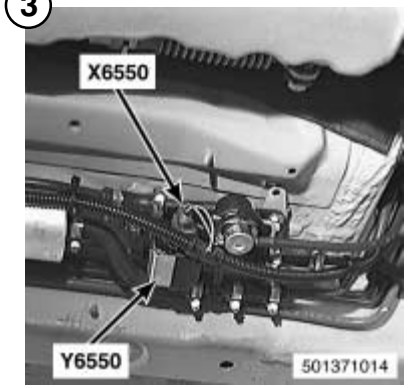
2



Y6120
EVAPORATIVE
EMISSION VALVE

X6120

3

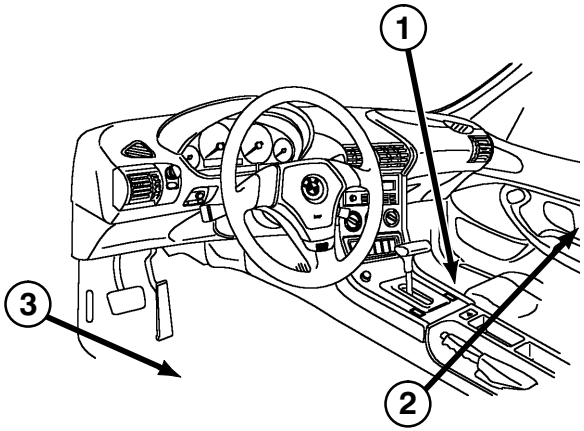


Y6550
SOLENOID VALVE
("RUNNING
LOSSES")

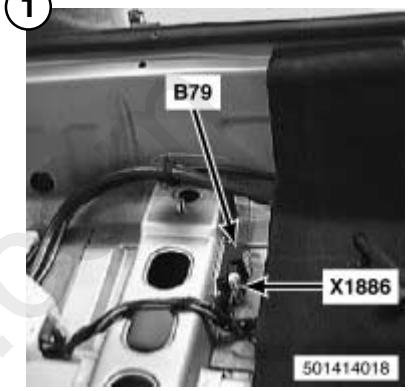
X6550

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COMPONENT LOCATION VIEWS



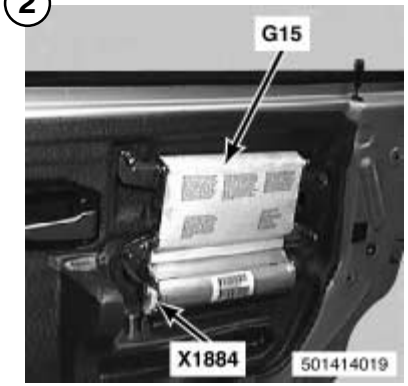
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B79
PASSENGER'S SIDE IMPACT SENSOR

X1886

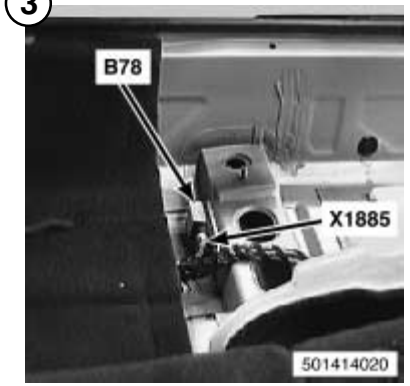
2



G15
RIGHT SIDE AIR BAG GAS GENERATOR

X1884

3

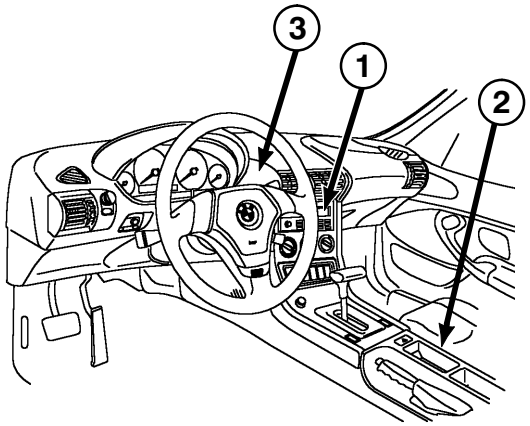


B78
DRIVER'S SIDE IMPACT SENSOR

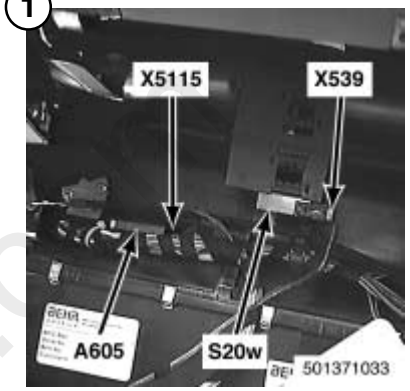
X1885

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COMPONENT LOCATION VIEWS



1

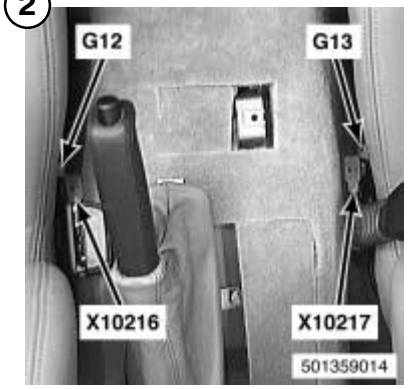


A605
FUSE HOLDER

S20w
RADIO ANTI–
THEFT SWITCH

X539
X5115

2

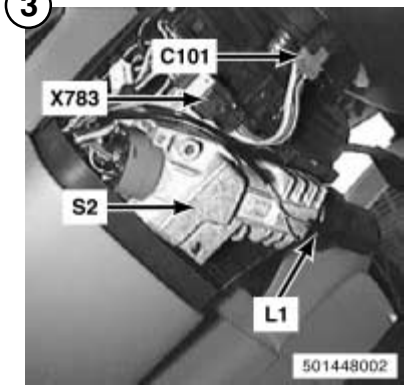


G12
DRIVER'S SIDE
PYROTECHNICAL
BELT TENSIONER

G13
PASSENGER'S
SIDE
PYROTECHNICAL
BELT TENSIONER

X10216
X10217

3



C101
CONTACT RING

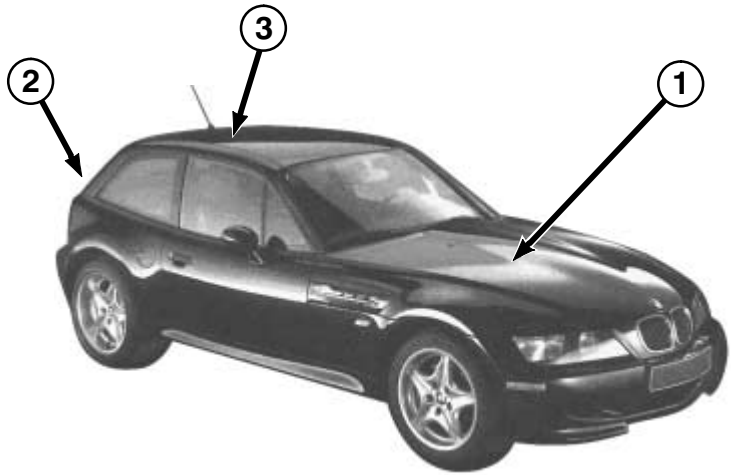
X783

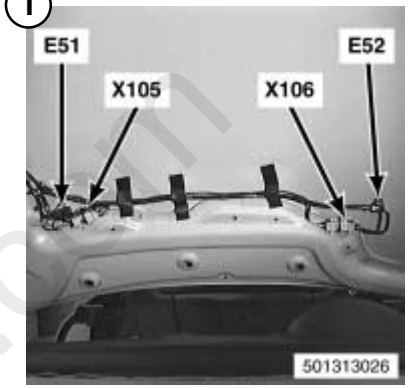
L1
EWS TOROIDAL
COIL

S2
IGNITION SWITCH

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COMPONENT LOCATION VIEWS

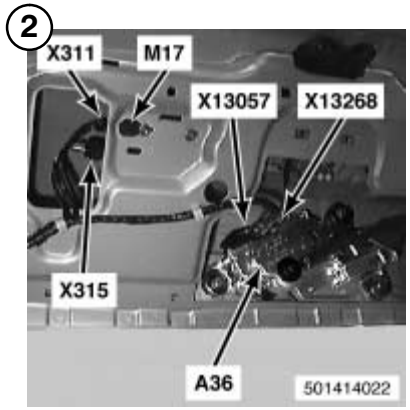




E51
LEFT WASHER JET HEATER

E52
RIGHT WASHER JET HEATER

X105
X106

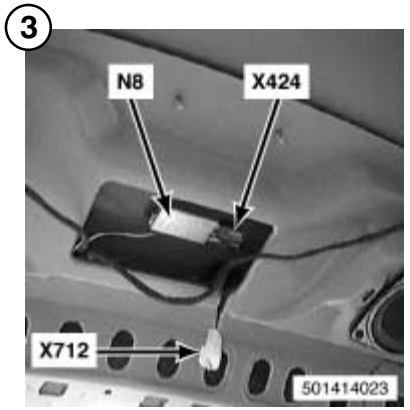


A36
REAR WIPER/ WASHER INTERVAL CONTROL MODULE

X13057
X13268

M17
LUGGAGE COMPARTMENT LOCK MOTOR

X311
X315

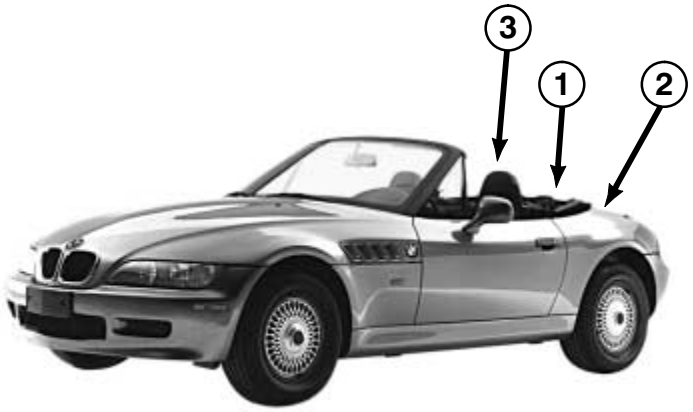


N8
ANTENNA AMPLIFIER AM/FM

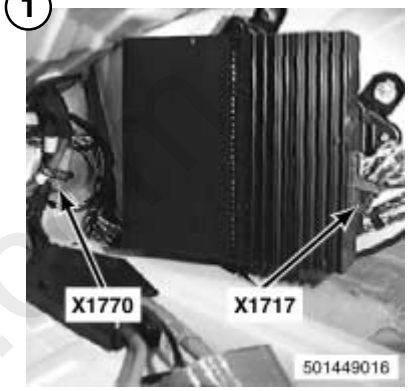
X424
X712

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COMPONENT LOCATION VIEWS

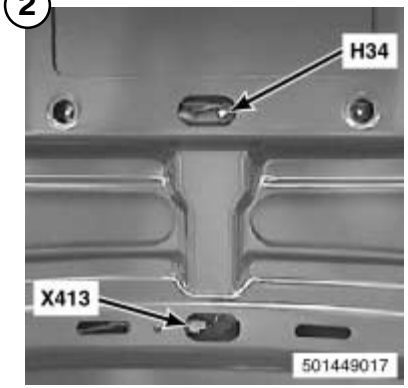


1



X1717
X1770

2



H34
HIGH LEVEL STOP LIGHT

X413

3



S910
DRIVER'S SEAT LIMIT SWITCH

S911
PASSENGER'S SEAT LIMIT SWITCH

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COMPONENT LOCATION VIEWS



1



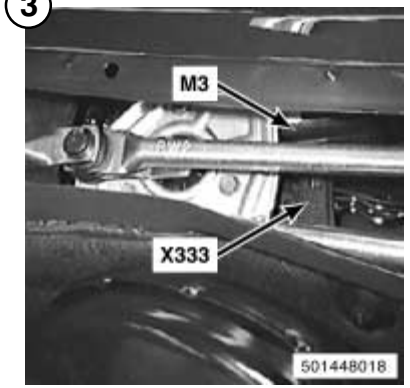
X10470

2



X9023

3

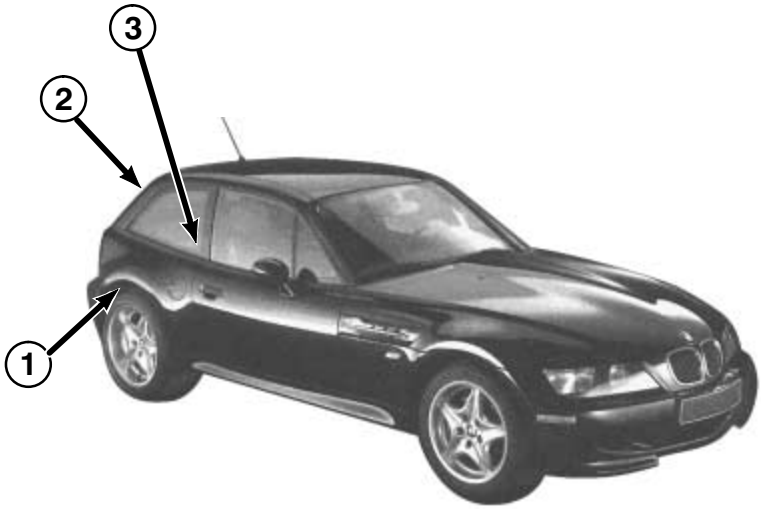


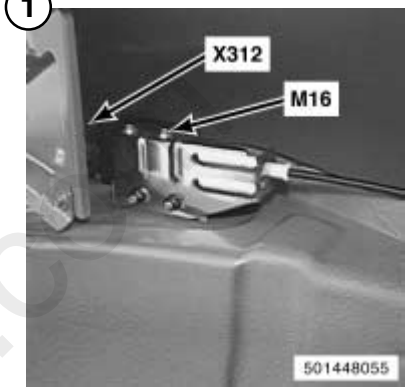
M3
WIPER MOTOR

X333

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COMPONENT LOCATION VIEWS





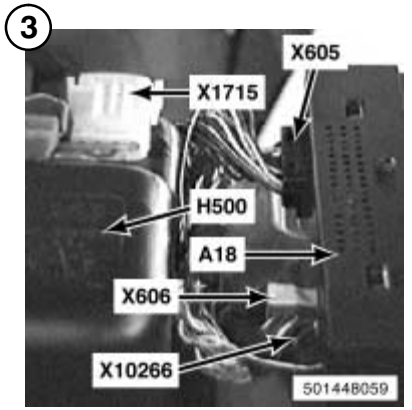
M16
GAS FILLER LOCK MOTOR

X312



M17
LUGGAGE COMPARTMENT LOCK MOTOR

X10285



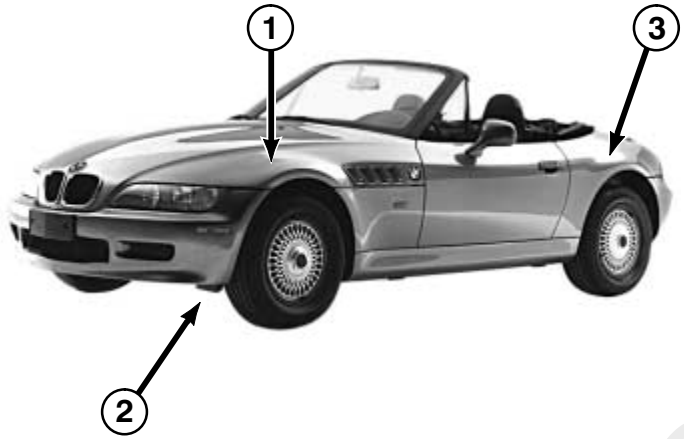
A18
HIFI AMPLIFIER

H500
REAR WOOFER

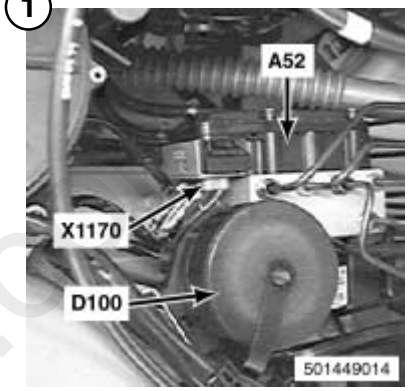
X605
X606
X1715
X10266

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COMPONENT LOCATION VIEWS



1

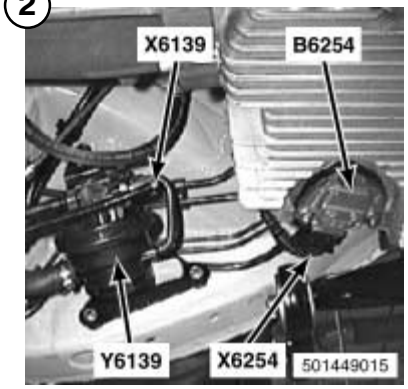


A52
SLIP CONTROL
MODULE
(ABS/ASC)

D100
DATA LINK
CONNECTOR

X1170

2

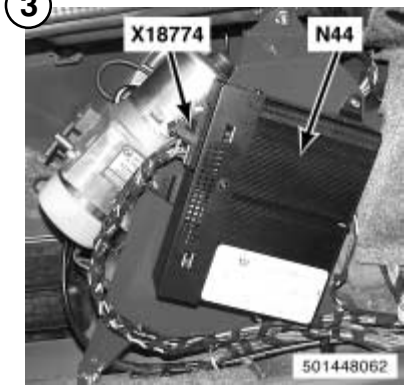


B6254
THERMAL OIL
LEVEL SWITCH

Y6139
LEAKAGE DIAGNO-
SIS PUMP

X6139
X6254

3

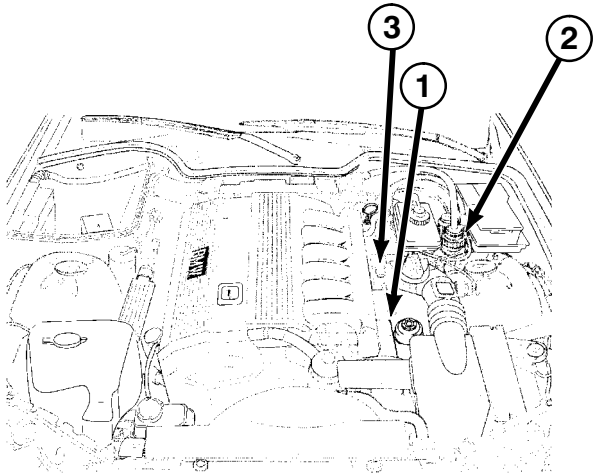


N44
SUBWOOFER
AMPLIFIER
MODULE

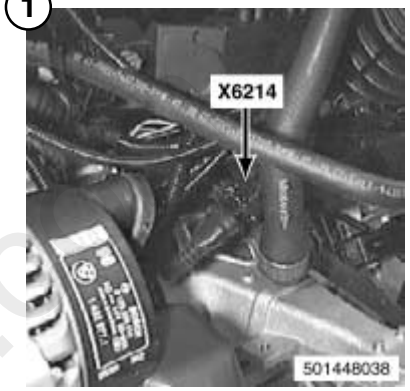
X18774

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COMPONENT LOCATION VIEWS



1



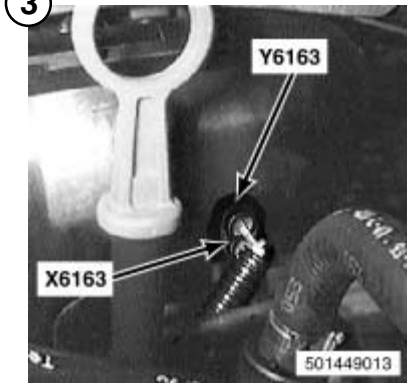
X6214

2



P900
AUXILIARY FUSE
BOX

3

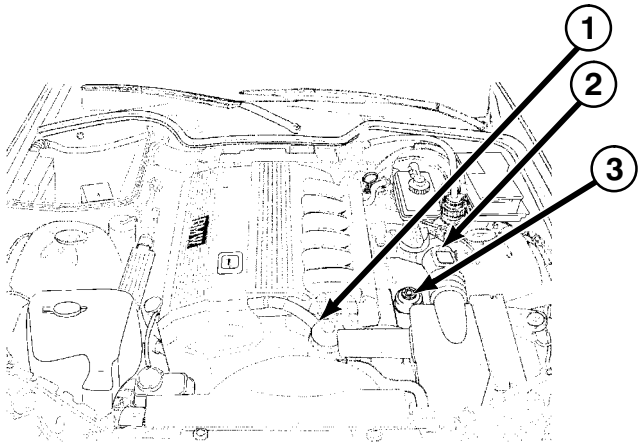


Y6163
SECONDARY AIR
PUMP VALVE

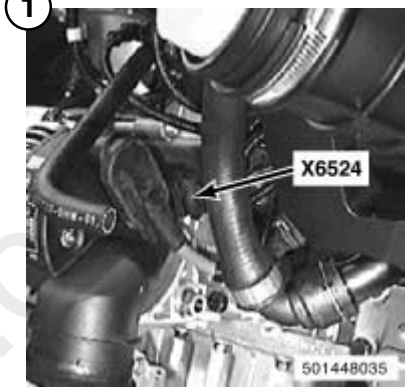
X6163

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COMPONENT LOCATION VIEWS

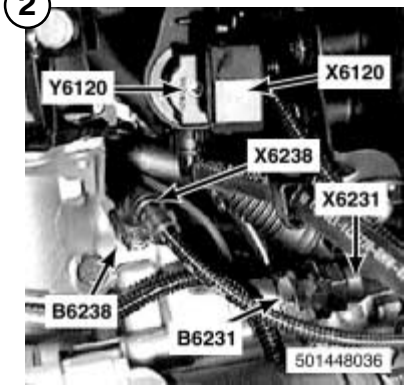


1



X6524

2



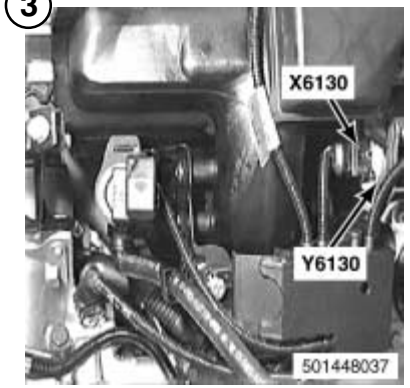
B6231
OIL PRESSURE
SWITCH

X6120
X6231
X6238

B6238
OIL TEMPERATURE
SENSOR

Y6120
EVAPORATIVE
EMISSION VALVE

3

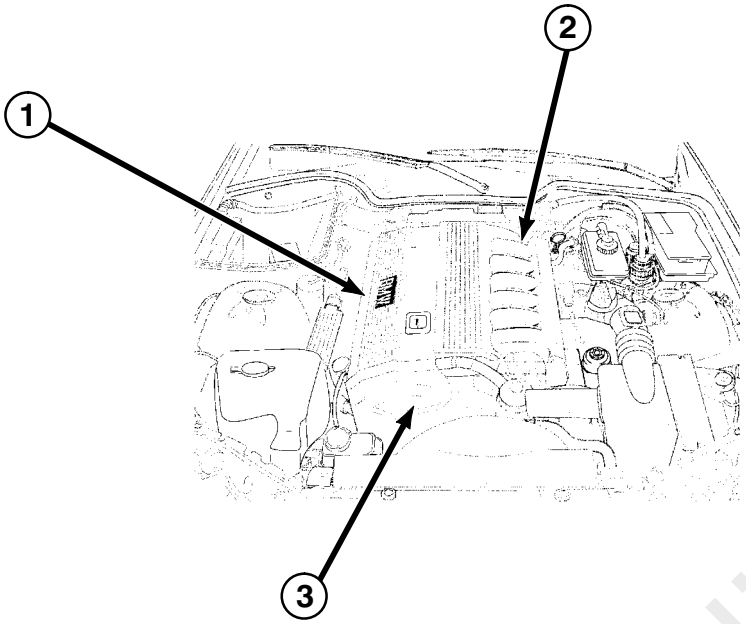


Y6130
IDLE SPEED
CONTROL VALVE

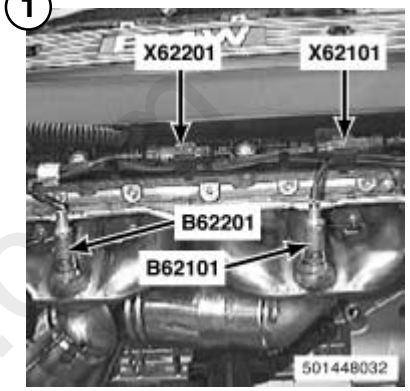
X6130

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COMPONENT LOCATION VIEWS



1



B62101
OXYGEN SENSOR I (IN FRONT OF CATALYTIC CONVERTER)

B62201
OXYGEN SENSOR II (IN FRONT OF CATALYTIC CONVERTER)

X62101
X62201

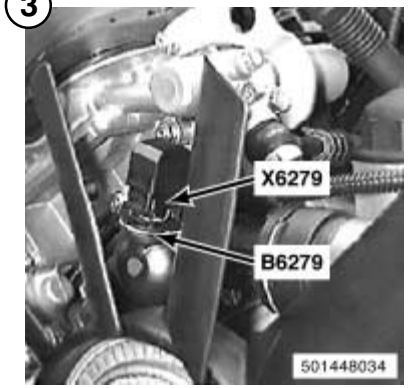
2



B6236
ENGINE COOLANT TEMPERATURE SENSOR

X6236

3

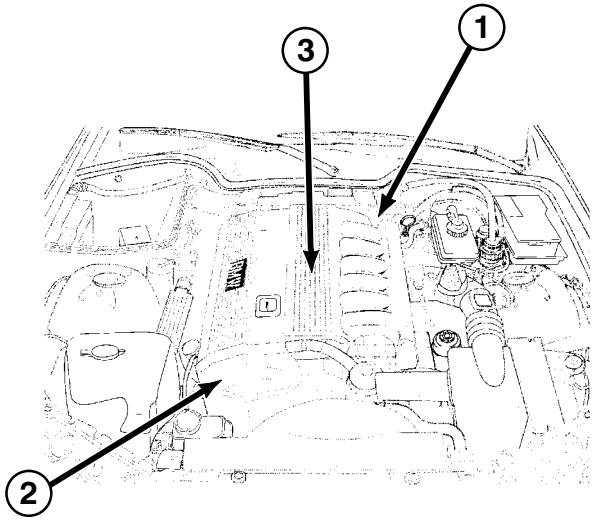


B6279
THERMOSTAT, CHARACTERISTIC MAP COOLING

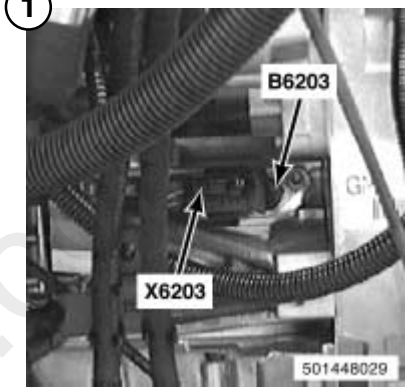
X6279

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COMPONENT LOCATION VIEWS



1



B6203
CRANKSHAFT
POSITION/RPM
SENSOR

X6203

2

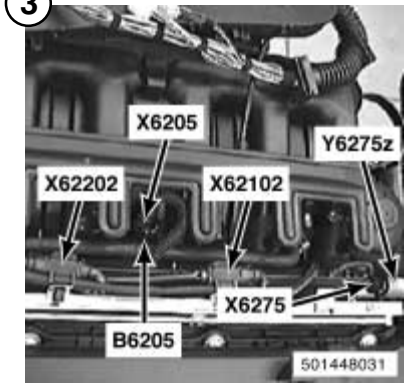


B6224
CAMSHAFT
POSITION SENSOR
2 (OUTLET)

Y6276
VARIABLE CAM-
SHAFT CONTROL
VALVE 2 (OUTLET)

X6224
X6276

3



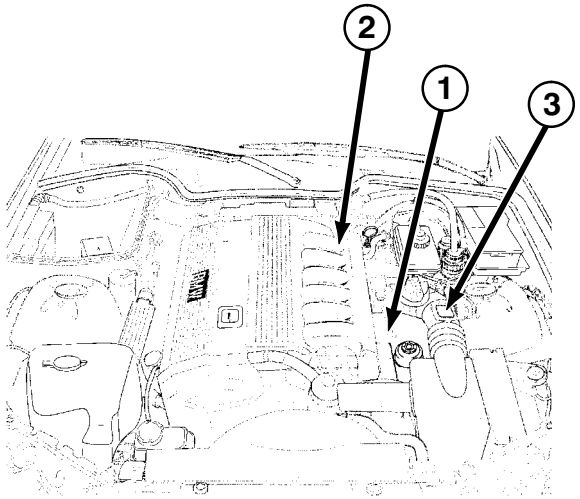
B6205
INTAKE AIR
TEMPERATURE
SENSOR

Y6275z
VARIABLE CAM-
SHAFT CONTROL
VALVE 1 (INLET)

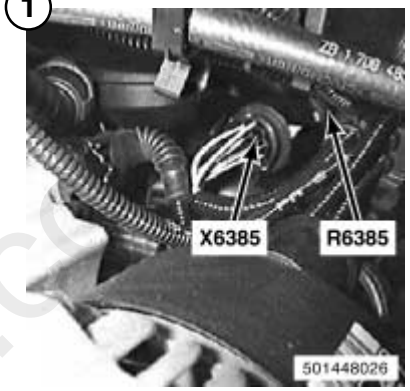
X6205
X6275
X62102
X62202

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COMPONENT LOCATION VIEWS



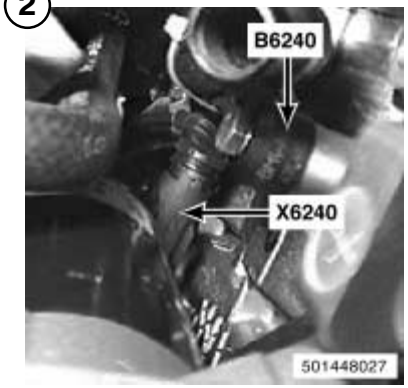
1



R6385
THROTTLE POSITION SENSOR/CRUISE CONTROL ACTUATOR

X6385

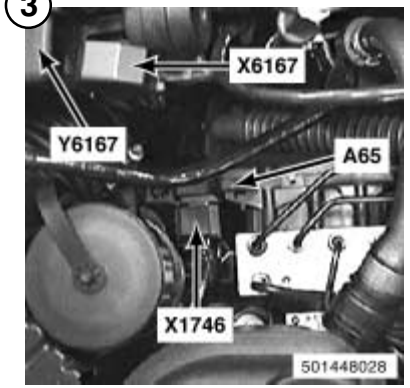
2



B6240
KNOCK SENSOR

X6240

3



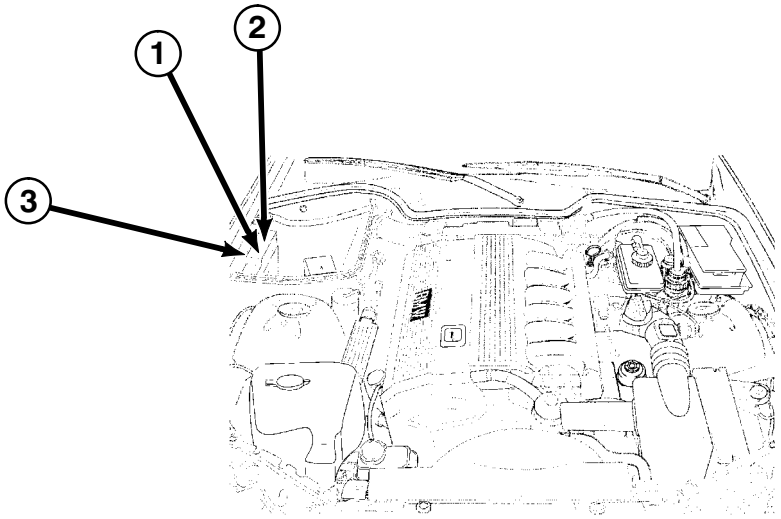
A65
DYNAMIC STABILITY CONTROL UNIT (DSC)

Y6167
VALVE, INDIVIDUAL CONTROL INTAKE SYSTEM

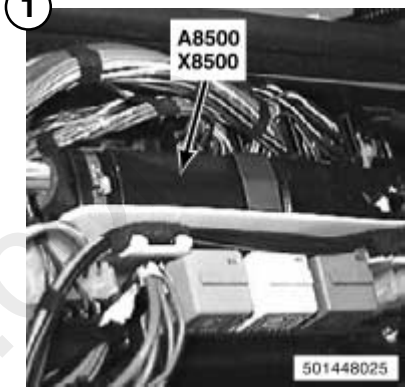
X1746
X6167

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COMPONENT LOCATION VIEWS



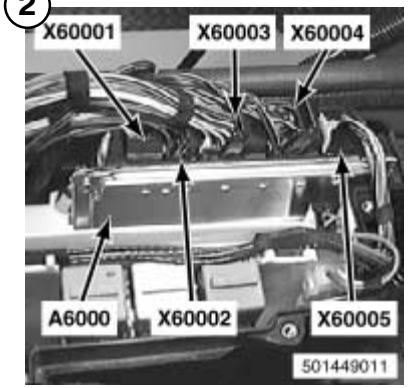
1



A8500
TRANSMISSION
CONTROL MODULE
(EGS)

X8500

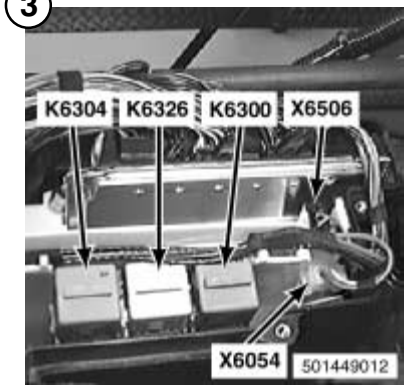
2



A6000
ENGINE CONTROL
MODULE (DME)

X60001
X60002
X60003
X60004
X60005

3



K6300
ENGINE CONTROL
MODULE RELAY

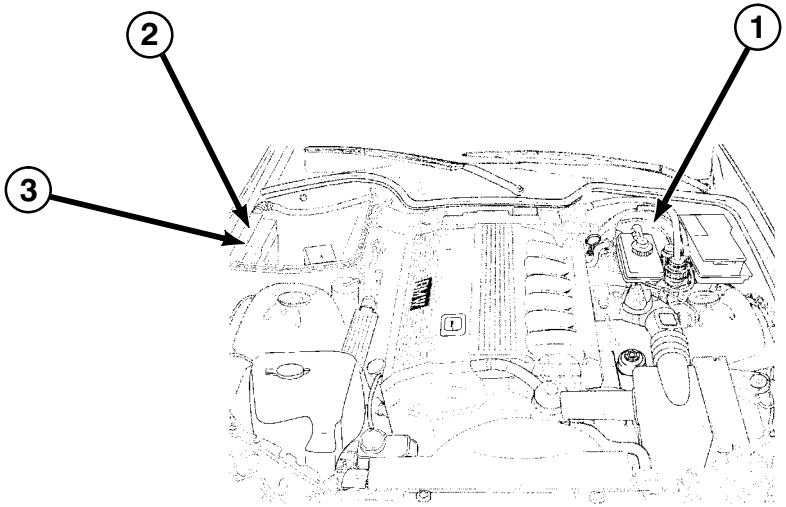
X6054
X6506

K6304
SECONDARY AIR
PUMP RELAY

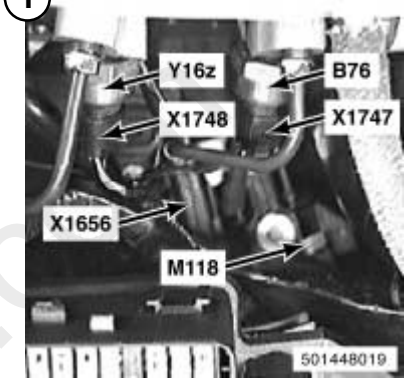
K6326
UNLOADER RELAY,
TERMINAL 15

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COMPONENT LOCATION VIEWS



1



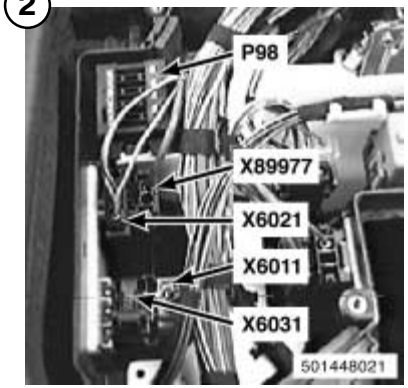
B76
PRESSURE
SENSOR

M118
PRECHARGE PUMP

Y16z
PRESSURE TRANS-
MITTER

X1656
X1747
X1748

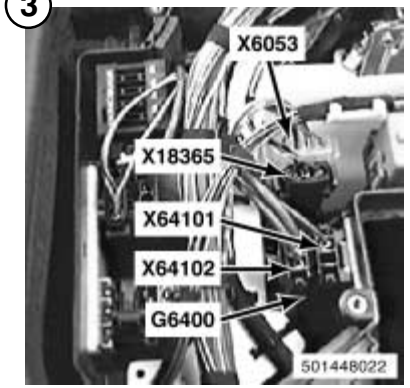
2



P98
FUSE HOLDER IN
E–BOX

X6011
X6021
X6031
X89977

3

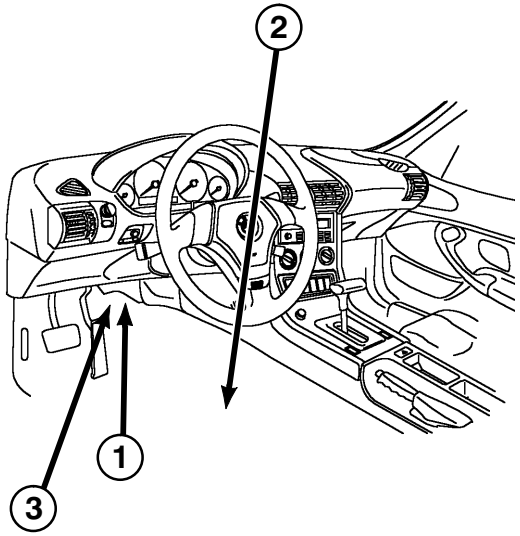


G6400
B+ JUNCTION
POINT E–BOX

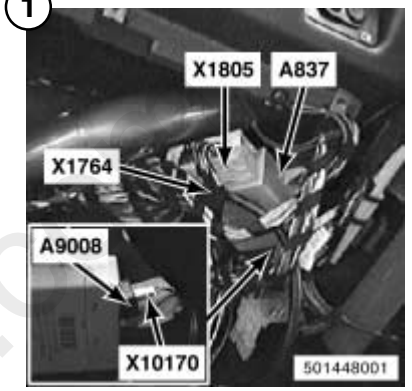
X6053
X18365
X64101
X64102

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COMPONENT LOCATION VIEWS



1

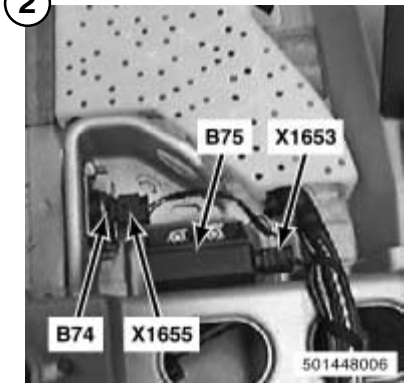


A837
ELECTRONIC
IMMOBILIZER
CONTROL MODULE
(EWS III)

A9008
CRUISE CONTROL
INTERFACE

X1764
X1805
X10170

2

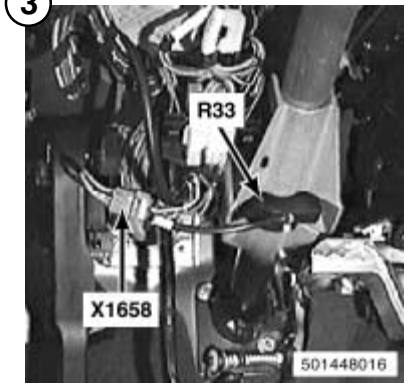


B74
TRANSVERSE AC-
CELERATION
SENSOR

B75
RPM RATE
SENSOR

X1653
X1654

3

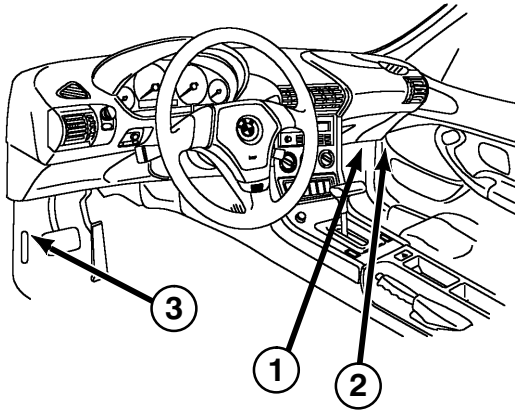


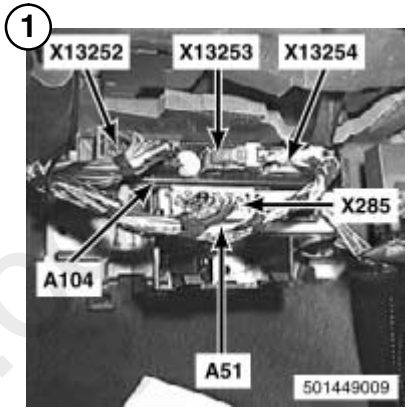
R33
STEERING ANGLE
SENSOR

X1658

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COMPONENT LOCATION VIEWS

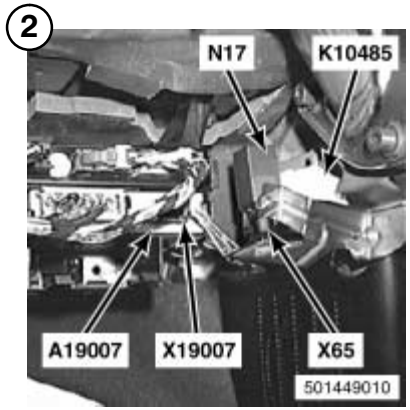




A51
WIPER/WASHER
MODULE

A104
BODY
ELECTRONICS
CONTROL MODULE
(ZKE IV)

X285
X13252
X13253
X13254



A19007
THERMAL OIL
LEVEL SENSOR
(TOENS) CONTROL
MODULE

K10485
BRAKE FLUID
LEVEL RELAY

N17
CRASH CONTROL
MODULE

X65
X19007



X1143

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8000.0 SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER
X181–X185	BODY	8000.0-03
X188	IHKS	8000.0-04
X189	IHKS	NOT SHOWN
X191–X197	BODY	8000.0-04
X203	BODY	8000.0-03
X213	BODY	8000.0-04
X216–X223	BODY	8000.0-03
X245–X246	BODY	8000.0-03
X276	BODY	8000.0-03
X443	BODY	8000.0-04
X445	BODY	8000.0-03
X449	BODY	8000.0-04
X450	BODY	8000.0-03
X453–X465	BODY	8000.0-04
X470	BODY	8000.0-03
X530	BODY	8000.0-03
X595	BODY	8000.0-03
X697	BODY	8000.0-03
X704	CONSOLE INSTRUMENTS	NOT SHOWN
X805	BODY	8000.0-04
X806	BODY	8000.0-03
X814–X818	IHKS	NOT SHOWN
X824–X830	RADIO/HIFI/CD	NOT SHOWN
X849–X851	DRIVER'S DOOR	8000.0-04
X876–X877	RADIO/HIFI/CD	NOT SHOWN
X878–X888	BODY	8000.0-03
X942	PASSENGER'S DOOR	8000.0-04
X985	IHKS	NOT SHOWN
X1015–X1019	BODY	8000.0-03
X1022–X1027	BODY	8000.0-03
X1028–X1029	BODY	8000.0-04
X1036–X1047	BODY	8000.0-03
X1055	BODY	8000.0-04
X1066–X1076	BODY	8000.0-03
X1079	BODY	8000.0-04
X1091	BODY	8000.0-04
X1100–X1115	BODY	8000.0-03
X1152–X1164	BODY	8000.0-03
X1168–X1169	BODY	8000.0-03
X1182	BODY	8000.0-04
X1186	BODY	8000.0-03
X1214	BODY	8000.0-03
X1225	BODY	8000.0-04
X1232	BODY	8000.0-03
X1234–X1235	BODY	8000.0-04
X1236	BODY	8000.0-03

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SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER
X1258	BODY	8000.0-03
X1263	BODY	8000.0-04
X1264	BODY	8000.0-03
X1280	BODY	8000.0-03
X1429–X1435	IHKS	NOT SHOWN
X1610	BODY	8000.0-03
X1617–X1618	BODY	8000.0-04
X1620	BODY	8000.0-03
X1682	BODY	8000.0-03
X1893–X1894	BODY	8000.0-03
X2233	BODY	8000.0-03
X6411–X6415	S52 ENGINE (M VERSIONS)	8000.0-06
X6420	S52 ENGINE (M VERSIONS)	8000.0-06
X6458	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X6458–X6460	S52 ENGINE (M VERSIONS)	8000.0-06
X6460	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X6475	S52 ENGINE (M VERSIONS)	8000.0-06
X6492	S52 ENGINE (M VERSIONS)	8000.0-06
X6810	S52 ENGINE (M VERSIONS)	8000.0-06
X6820–X6822	S52 ENGINE (M VERSIONS)	8000.0-06
X6830–X6835	S52 ENGINE (M VERSIONS)	8000.0-06
X6849	S52 ENGINE (M VERSIONS)	8000.0-06
X6832–X6836	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X6863–X6868	S52 ENGINE (M VERSIONS)	8000.0-06
X6900	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X6960–X6965	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X8000–X8015	S52 ENGINE (M VERSIONS)	8000.0-06
X8038–X8074	S52 ENGINE (M VERSIONS)	8000.0-06
X8073	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X8103	S52 ENGINE (M VERSIONS)	8000.0-06
X8564–X8565	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X9454	BODY	8000.0-03
X9461	LICENSE PLATE LIGHTS	NOT SHOWN
X9806	CONSOLE INSTRUMENTS	NOT SHOWN
X9992–X9993	DRIVER'S SEAT	NOT SHOWN
X9996–X9997	PASSENGER'S SEAT	NOT SHOWN
X10008	BODY	8000.0-03
X10009	BODY (Z3 VERSIONS)	8000.0-03
X10009	S52 ENGINE (M VERSIONS)	8000.0-04
X10014–X10027	BODY	8000.0-03
X10064	BODY	8000.0-04
X10189	BODY	8000.0-03
X10237	BODY	8000.0-03
X10464	RADIO/HIFI	NOT SHOWN
X10468–X10469	BODY	8000.0-03
X11212	BODY	8000.0-03

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SPLICE LOCATION VIEWS

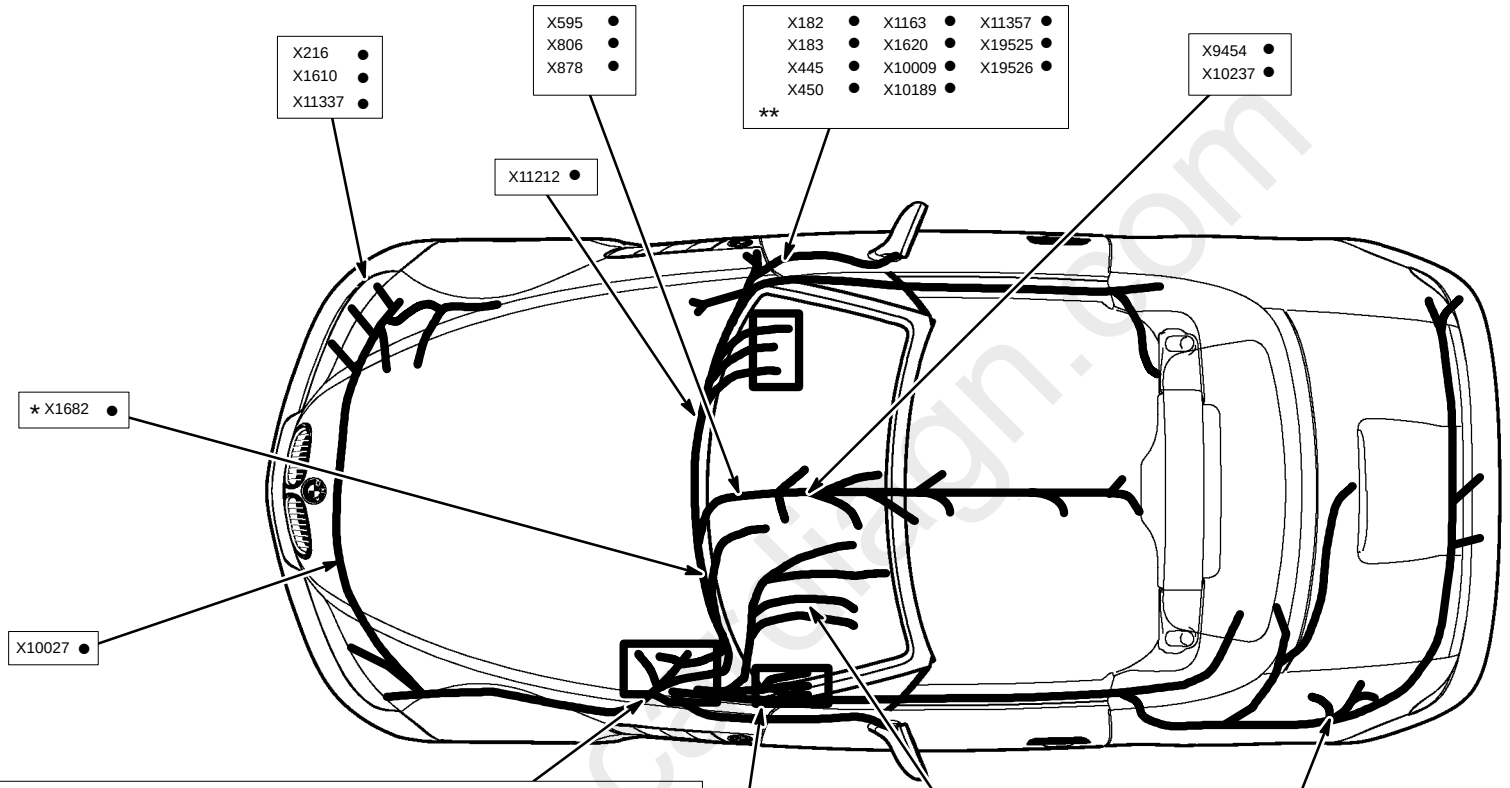
SPLICE	HARNESS	PAGE NUMBER
X11264	BODY	8000.0-03
X11291	BODY	8000.0-04
X11337–X11353	BODY	8000.0-03
X11355	BODY	8000.0-04
X11357	BODY	8000.0-03
X13007	BODY	8000.0-03
X13011–X13047	BODY	8000.0-04
X13281	BODY	8000.0-03
X13304	BODY	8000.0-04
X18061	BODY	8000.0-03
X18510	BODY	8000.0-03
X19513	RADIO/HIFI/CD	NOT SHOWN
X19010–X19027	BODY	8000.0-03
X19525–X19526	BODY	8000.0-03
X64109	BODY	8000.0-03
X64119	BODY	8000.0-03
X64129	BODY	8000.0-03
X64591	BODY	8000.0-03
X68309	IHKS	NOT SHOWN
X91625	LICENSE PLATE LIGHTS	NOT SHOWN

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BMW 3 Z3

SPLICE LOCATION VIEWS

BODY HARNESS



SPLICE PANEL						
X184	X697	X1067	X1168	X1893	X10468	X19026
X185	X888	X1069	X1169	X1894	X10469	X19027
X203	X1015	X1073	X1186	X2233	X11264	X64109
X223	X1019	X1076	X1232	X6949	X11339	X64119
X245	X1022	X1100	X1236	X10008	X11353	X64129
X246	X1027	X1107	X1258	X10020	X13281	X64591
X276	X1036	X1123	X1264	X10021	X18061	
X470	X1047	X1152	X1280	X10022	X18510	
X530	X1066	X1164	X1682	X10024	X19010	

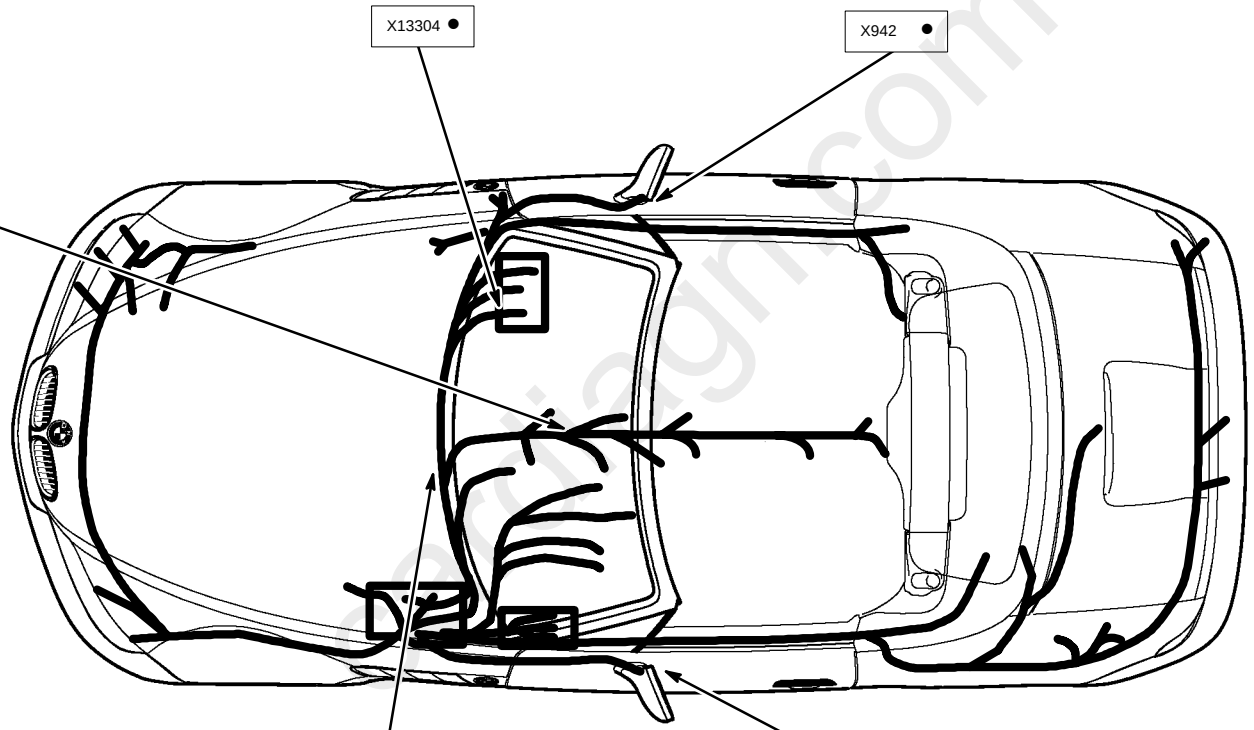
**

* Z3 VERSIONS
** M VERSIONS

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SPLICE LOCATION VIEWS

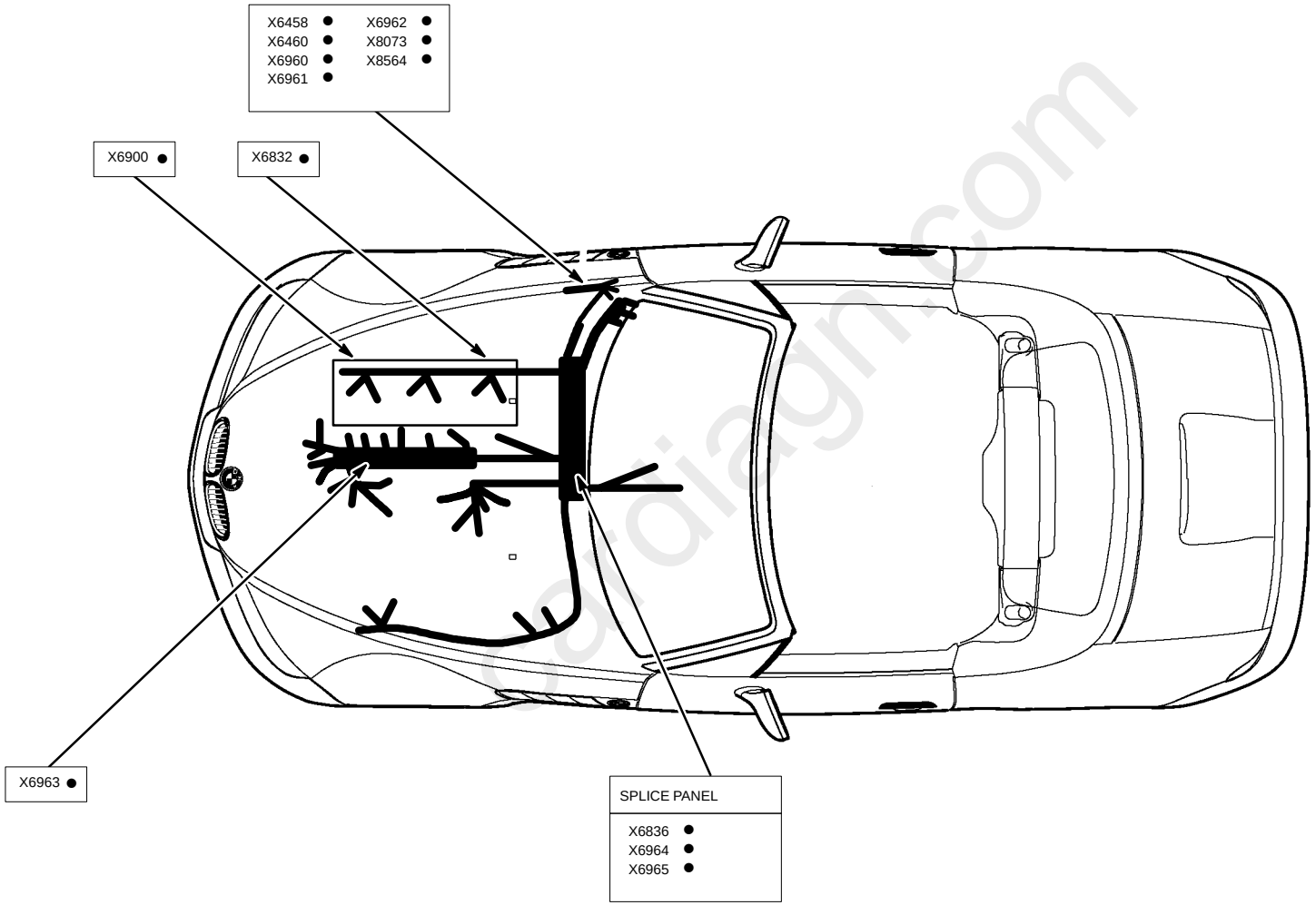
BODY HARNESS



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SPLICE LOCATION VIEWS

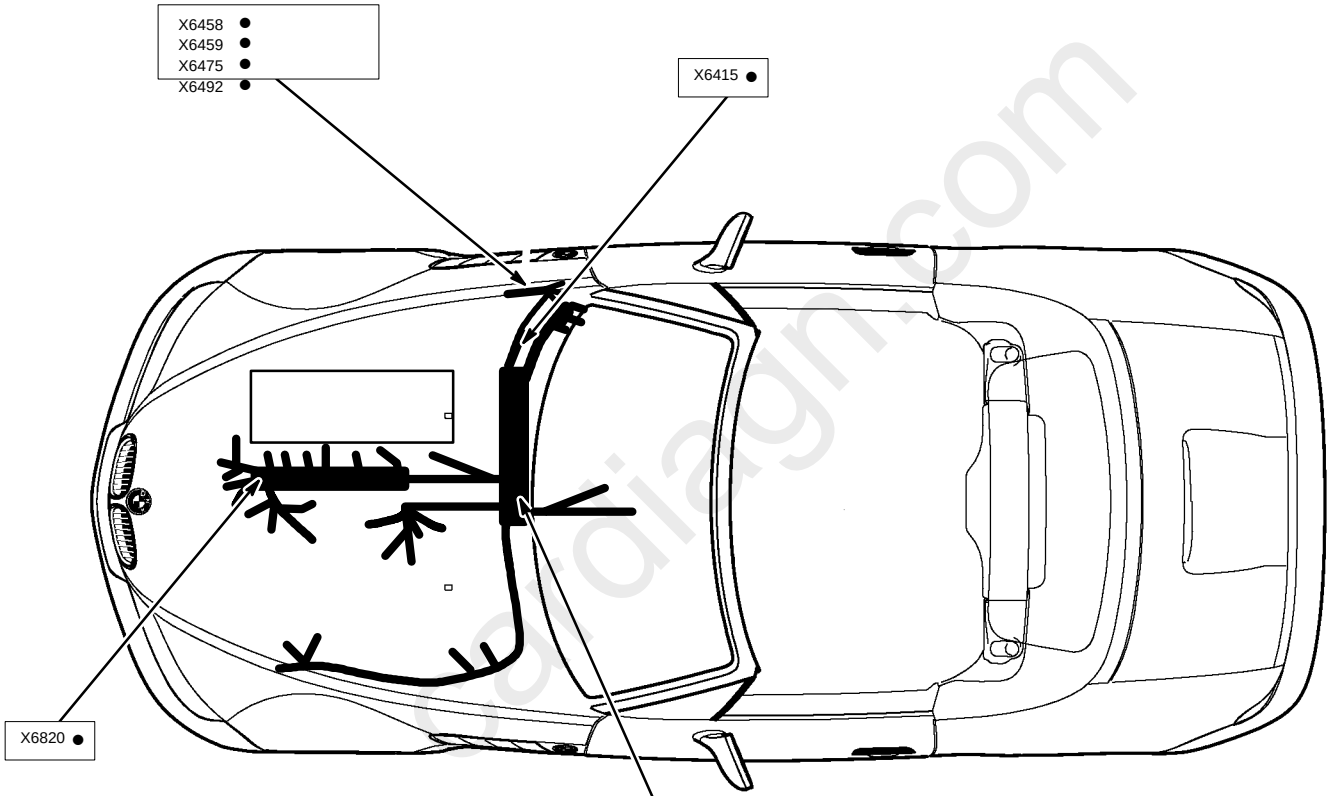
ENGINE HARNESS M52



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SPLICE LOCATION VIEWS

ENGINE HARNESS M52



SPLICE PANEL

X6411	X6821	X6867	X8051
X6412	X6822	X6868	X8071
X6413	X6830	X8000	X8072
X6414	X6832	X8004	X8074
X6420	X6835	X8010	X8103
X6460	X6849	X8015	
X6810	X6863	X8038	

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8500.0 CONNECTOR VIEWS

FIG. 1

B880001.00

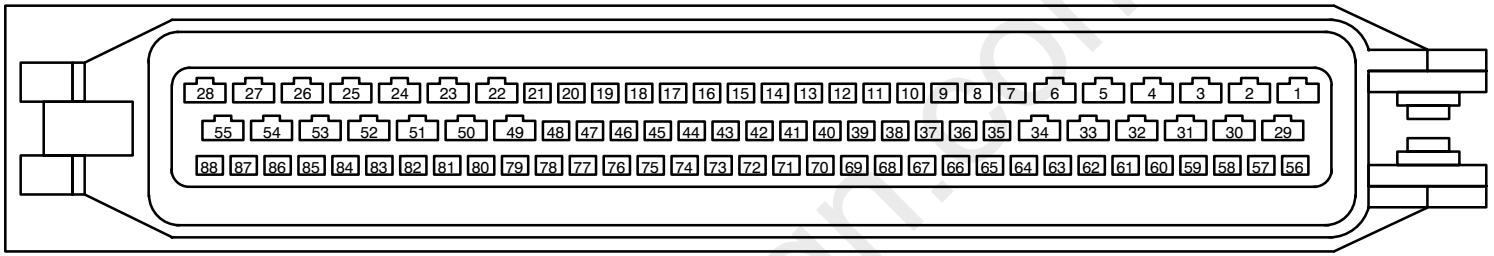


FIG. 2

B040030.00

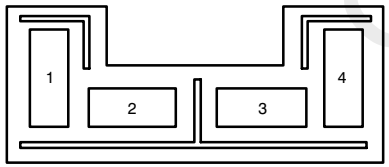
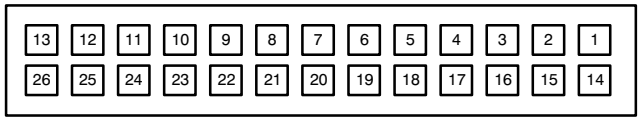


FIG. 3

B260005.00



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CONNECTOR VIEWS

FIG. 1

B030024

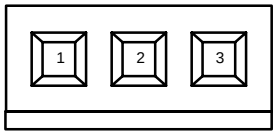


FIG. 2

B030046.00

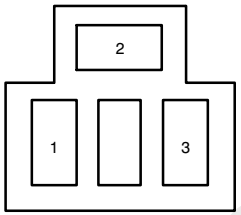


FIG. 3

B120001.01

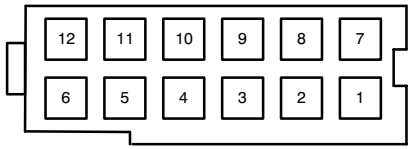


FIG. 4

B090008.00

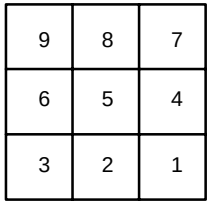


FIG. 5

B120002.02

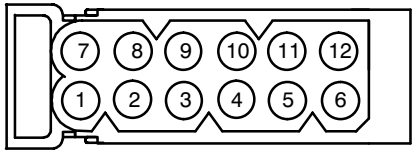
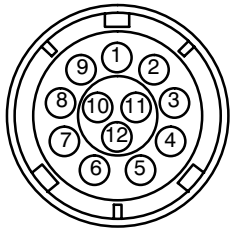


FIG. 6

B120015



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CONNECTOR VIEWS

FIG. 1

B080002.00

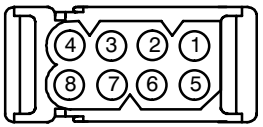


FIG. 2

B170001.00

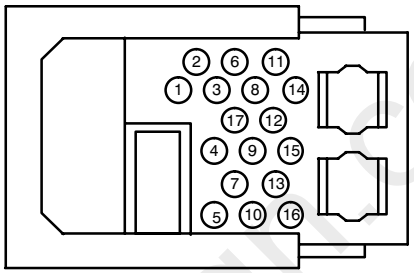


FIG. 3

B100008.00

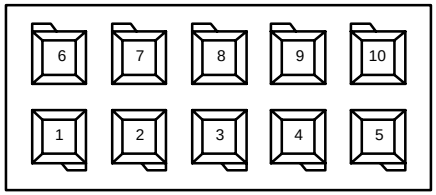


FIG. 4

B120004.01

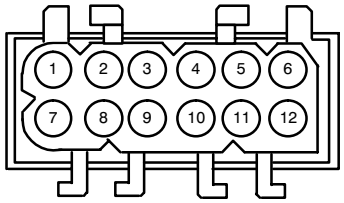


FIG. 5

B030004.01

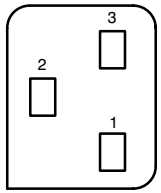
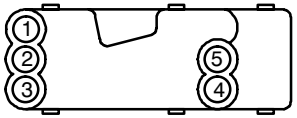


FIG. 6

B050003.00



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CONNECTOR VIEWS

FIG. 1

B040004.00

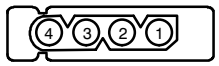


FIG. 2

B520001.00

52	51	50	49	48	47	46	45	44	43	42	41	40
39	38	37	36	35	34	33	32	31	30	29	28	27

26	25	24	23	22	21	20	19	18	17	16	15	14
13	12	11	10	9	8	7	6	5	4	3	2	1

FIG. 3

B080001.00

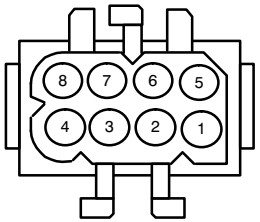


FIG. 4

B090002.00

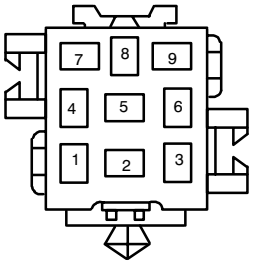


FIG. 5

B260002.01

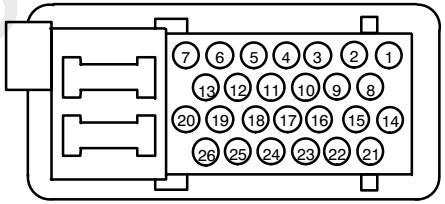
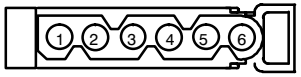


FIG. 6

B060001.02



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CONNECTOR VIEWS

FIG. 1

B200003.00

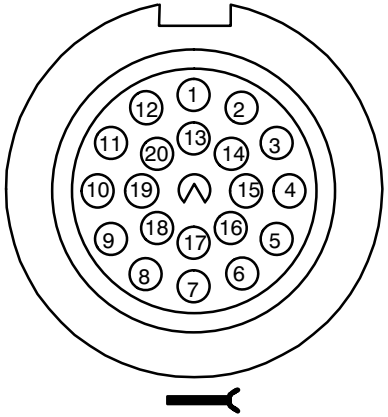


FIG. 2

B240002.00

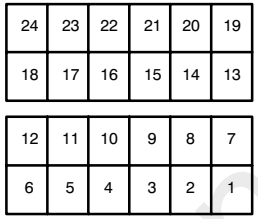


FIG. 3

B030003.00

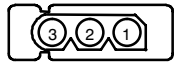


FIG. 4

B250001.02

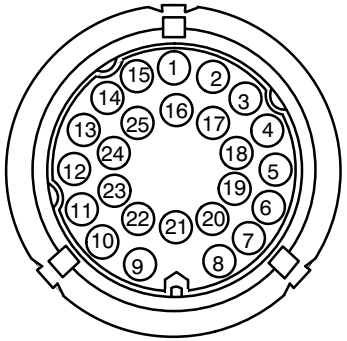


FIG. 5

B060019.03

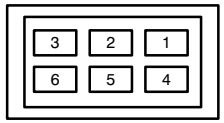
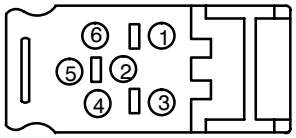


FIG. 6

B060036.00



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CONNECTOR VIEWS

FIG. 1

B150002.00

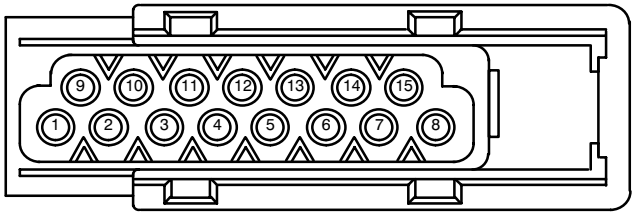


FIG. 2

B100014.00

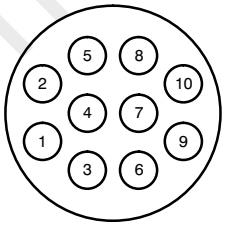


FIG. 3

B060038.00

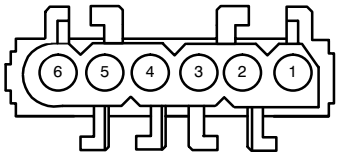


FIG. 4

B040027.00

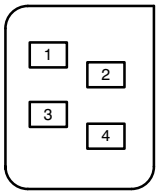
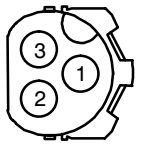


FIG. 5

B030006.00



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CONNECTOR VIEWS

FIG. 1

B0400028.00

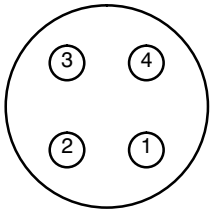


FIG. 2

B080020.00

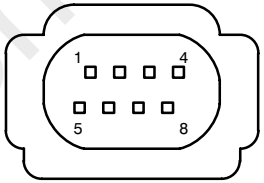


FIG. 3

B0300044.00

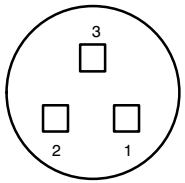


FIG. 4

B030049.00

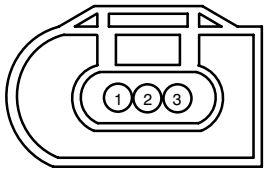
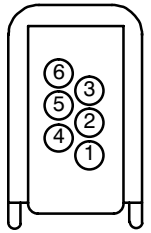


FIG. 5

B060041.00



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CONNECTOR VIEWS

FIG. 1

B040026

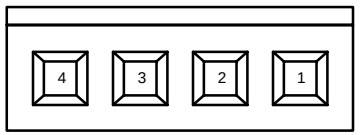


FIG. 2

B120006.00

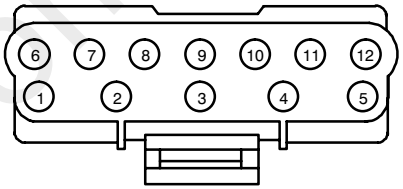


FIG. 3

B180000.00

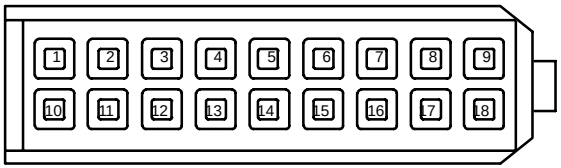


FIG. 4

B060037.00

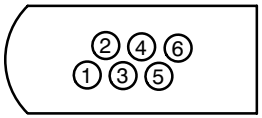
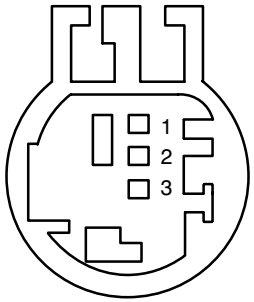


FIG. 5

B030042.00



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CONNECTOR VIEWS

FIG. 1

B160002.00

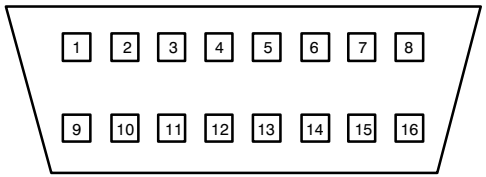


FIG. 2

B060013.00

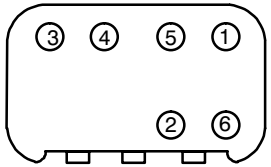


FIG. 3

B080013.00

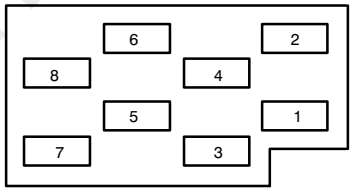
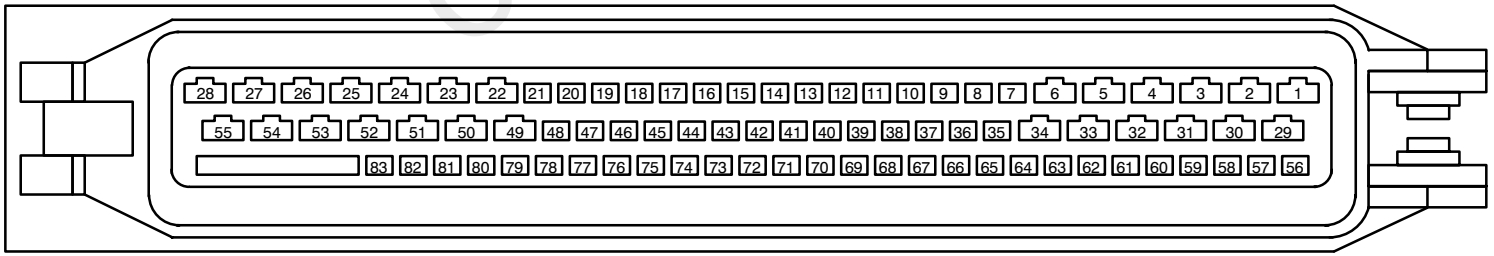


FIG. 4

B830001.00



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CONNECTOR VIEWS

FIG. 1

B400000.00

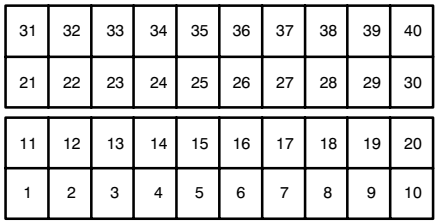


FIG. 2

B060043.00

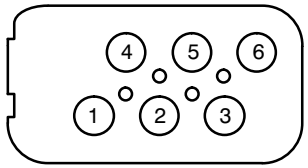


FIG. 3

B070012.00

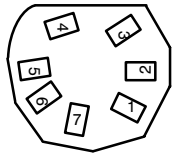


FIG. 4

B250004.00

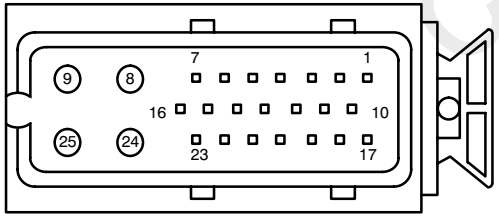
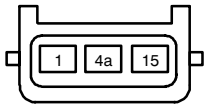


FIG. 5

B030015.08



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CONNECTOR VIEWS

FIG. 1

B030048a

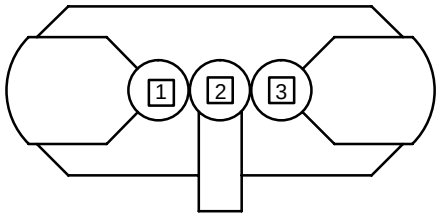


FIG. 2

B030018.02

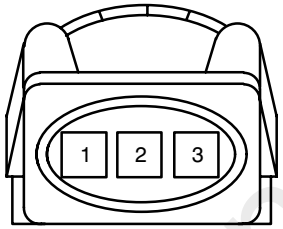


FIG. 3

B040023.02

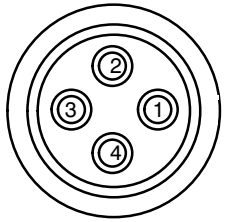


FIG. 4

B040023.01

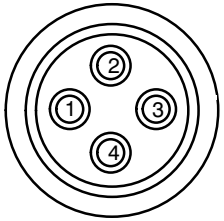
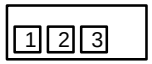


FIG. 5

B030036.01



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CONNECTOR VIEWS

FIG. 1

B030022.00

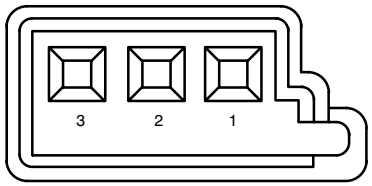


FIG. 2

B500000.00

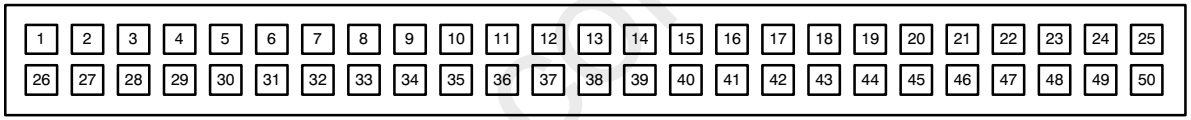


FIG. 3

B060042

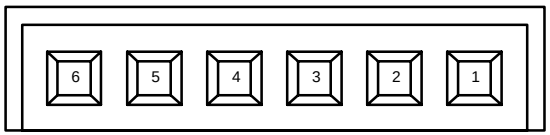


FIG. 4

B160001.00

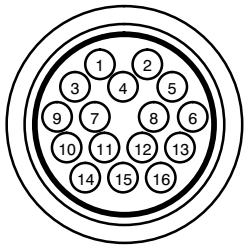
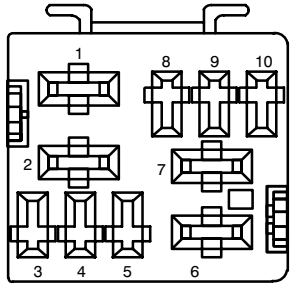


FIG. 5

B100004.02



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CONNECTOR VIEWS

FIG. 1

B430000.00

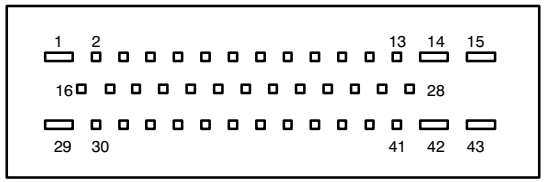
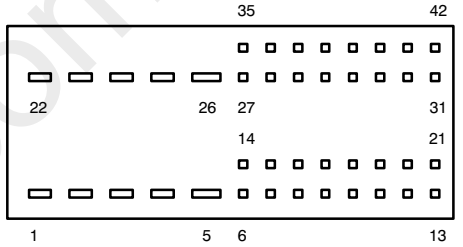


FIG. 2

B420001.00



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