

**1997**

**BMW**

**Z3**

**(E36/7)**

**Electrical**

**Troubleshooting**

**Manual**

Vehicles Produced 9/96 thru 8/97



## ELECTRICAL TROUBLESHOOTING MANUAL

### SERIES 3 – E36/7 (Z3 Roadster)

#### SCHEMATICS

#### MODEL YEAR 1997

0100.0	INDEX	6160.1	WIPER/WASHER MODULE (WWM)
0110.0	INTRODUCTION	6167.1	HEADLIGHT WASHER (SRA)
0140.0	SYMBOLS	6169.0	WINDSHIELD WASHER JET HEATERS
0670.0	POWER DISTRIBUTION CHART	6211.0	INSTRUMENT CLUSTER
0670.1	FUSE CHART	6213.3	DIGITAL CLOCK
0670.2	POWER DISTRIBUTION	6300.0	LIGHT SWITCH DETAILS
0670.3	FUSE DETAILS	6312.0	HEADLIGHTS/FOG LIGHTS
0670.4	GROUND DISTRIBUTION	6313.0	TURN/HAZARD LIGHTS
0670.5	DATA LINK	6314.0	PARK/TAIL/UNDERHOOD LIGHTS
1210.17	ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)	6320.0	LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS
1210.20	ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)	6322.0	BACK UP LIGHTS
1230.0	CHARGING SYSTEM	6325.0	BRAKE LIGHTS
1240.0	START	6330.3	INTERIOR LIGHTS
1290.0	E-BOX FAN	6332.0	INTERIOR ACCESSORIES
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)	6350.0	CRASH CONTROL MODULE
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)	6424.0	REAR WINDOW DEFOGGER
3450.0	SLIP CONTROL (ABS)	6450.6	INTEGRATED HEATING- AND CLIMATE CONTROL
3450.1	SLIP CONTROL (ABS/ASC)	6510.1	RADIO/HIFI
5116.0	POWER MIRRORS	6561.0	CELLULAR TELEPHONE (PROVISIONS)
5126.0	ZKE CENTRAL LOCKING (ZV)	6571.0	CRUISE CONTROL (TEMPOMAT)
5133.0	ZKE POWER WINDOWS (FH)	6575.2	ANTI-THEFT SYSTEM (ALPINE)
5200.0	POWER SEATS	6581.3	BOARD COMPUTER (BC-LOW)
5203.0	HEATED SEATS	7000.0	COMPONENT LOCATION CHART
6100.0	CENTRAL BODY ELECTRONICS (ZKE IV)	7100.0	COMPONENT LOCATION VIEWS
6133.0	HORN	8000.0	SPLICE LOCATION VIEWS
6135.0	DRIVE-AWAY PROTECTION (EWS II)	8500.0	CONNECTOR VIEWS



# INDEX

Z3

ABS CONTROL MODULE/HYDRAULIC UNIT, A202	3450.0
ABS HYDRAULIC UNIT, Y1w	3450.1-01
ABS HYDRAULIC UNIT, Y1w	3450.1-07
ABS HYDRAULIC UNIT, Y1w	3450.1-11
ABS PUMP MOTOR RELAY, K75	3450.1-00
ABS PUMP MOTOR RELAY, K75	3450.1-06
ABS PUMP MOTOR RELAY, K75	3450.1-10
ABS RELAY, K10	3450.1-00
AIR BAG GAS GENERATOR, DRIVER'S, G5	3234.0-00
AIR BAG GAS GENERATOR, PASSENGER'S, G6	3234.0-00
AIR CONDITIONING COMPRESSOR, Y2	6450.6-02
AIR CONDITIONING/RECIRCULATING SWITCH ASSEMBLY, S220	6450.6-01
AIR PUMP, Y6133	1210.17-05
AIR PUMP, Y6133	1210.20-09
ANTENNA AMPLIFIER AM/FM, N8	6510.1-00
ANTI-THEFT CONTROL MODULE (ALPINE), N12w	6575.2
ANTI-THEFT HORN (ALPINE), H1w	6575.2-01
ANTI-THEFT SYSTEM (ALPINE)	6575.2
ASC DIODE, V7	3450.1-00
ASC SWITCH, S6	3450.1-02
ASC SWITCH, S6	3450.1-05
ASC SWITCH, S6	3450.1-09
AUTOMATIC TRANSMISSION RANGE SWITCH, S3	2460.2-08
AUXILIARY FAN MOTOR, M9	6450.6-03
AUXILIARY FAN MOTOR, M9	6450.6-04
AUXILIARY FUSE BOX, P97	0670.2-02
AUXILIARY THROTTLE POSITION MOTOR (ADS), M93	3450.1-02
AUXILIARY THROTTLE POSITION MOTOR (ADS), M93	3450.1-09
AUXILIARY THROTTLE POSITION SENSOR, R31	3450.1-04
AUXILIARY THROTTLE POSITION SENSOR, R31	3450.1-09
AUXILIARY TURN LIGHT, LEFT FRONT, H9	6313.0-02
AUXILIARY TURN LIGHT, RIGHT FRONT, H8	6313.0-02
B+ JUMP START JUNCTION POINT, G6430	0670.2-00
B+ JUMP START JUNCTION POINT, G6430	0670.2-01

BACK UP LIGHT, LEFT, H27	6322.0-00
BACK UP LIGHT, RIGHT, H28	6322.0-00
BACK UP LIGHTS	6322.0-00
BATTERY, G1	0670.2-00
BATTERY, G1	0670.2-01
BLOWER MOTOR, M30	6450.6-00
BLOWER RELAY, K4	6450.6-00
BLOWER RESISTORS, R11	6450.6-00
BLOWER SWITCH, S75	6450.6-00
BOARD COMPUTER (BC-LOW)	6581.3-00
BOARD COMPUTER (BC-LOW), A35y	6581.3-00
BRAKE FLUID LEVEL SWITCH, B18	6211.0-00
BRAKE LIGHT SWITCH, S30	6325.0-00
BRAKE LIGHT, LEFT, H24	6325.0-00
BRAKE LIGHTS	6325.0-00
BRAKE PAD SENSOR, LEFT FRONT, B16	6211.0-01
BRAKE PAD SENSOR, RIGHT REAR B17	6211.0-01
CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION), B6204	1210.17-06
CD CHANGER, N22	6510.1
CELLULAR TELEPHONE (PROVISIONS)	6561.0-00
CENTRAL BODY ELECTRONICS (ZKE IV)	6100.0
CHARCOAL FILTER SHUT-OFF VALVE, B6247	1210.17-10
CHARCOAL FILTER SHUT-OFF VALVE, B6247	1210.20-02
CHARGING SYSTEM	1230.0-00
CHIME MODULE, H10	6211.0-05
CLUTCH SWITCH, S32	6571.0-01
COMBINATION SWITCH, S7	6313.0-00
COMPONENT LOCATION CHART	7000.0
COMPONENT LOCATION VIEWS	7100.0
COMPRESSOR CONTROL RELAY, K19	6450.6-02
CONNECTOR VIEWS	8500.0
CONTACT RING, C101	3234.0-00
CONVERTIBLE TOP ACTUATING SWITCH, S143	5430.0-00
CONVERTIBLE TOP END-POSITION MICRO SWITCH, S164	5430.0-00

03/98

0100.0-00

1997



# INDEX

Z3

CONVERTIBLE TOP MOTOR, M101 .....	5430.0-00
CONVERTIBLE TOP RELAY I (CLOSE), K18363 .....	5430.0-00
CONVERTIBLE TOP RELAY II (OPEN), K18364 .....	5430.0-00
CRANKSHAFT POSITION/RPM SENSOR, B6203 .....	1210.17-06
CRANKSHAFT POSITION/RPM SENSOR, B6203 .....	1210.20-04
CRASH CONTROL MODULE .....	6350.0
CRASH CONTROL MODULE, N17 .....	6350.0-01
CRUISE CONTROL (TEMPOMAT) .....	6571.0
CRUISE CONTROL ACTUATOR (TEMPOMAT), M25 .....	6571.0-01
CRUISE CONTROL MODULE (TEMPOMAT), A8 .....	6571.0
CRUISE CONTROL SWITCH, S28 .....	6571.0-00
DATA LINK .....	0670.5
DATA LINK CONNECTOR, D100 .....	0670.5
DIGITAL CLOCK .....	6213.3-00
DIGITAL CLOCK, A110 .....	6213.3-00
DOOR JAMB SWITCH, DRIVER'S, S14 .....	5126.0-01
DOOR JAMB SWITCH, PASSENGER'S, S13 .....	5126.0-01
DOOR LOCK MOTOR, DRIVER'S, M12 .....	5126.0-02
DOOR LOCK MOTOR, PASSENGER'S, M13 .....	5126.0-02
DOOR LOCK SWITCH, DRIVER'S, S47 .....	5126.0-00
DOOR LOCK SWITCH, PASSENGER'S, S49 .....	5126.0-00
DOUBLE TEMPERATURE SWITCH, S36y .....	6450.6-04
DRIVE-AWAY PROTECTION (EWS II) .....	6135.0
DUAL TEMPERATURE SENSOR (COOLANT TEMPERATURE), B6256 .....	1210.17-02
E-BOX FAN .....	1290.0-00
E-BOX FAN, M6506 .....	1290.0-00
ELECTRO-MECHANICAL CONVERTIBLE TOP .....	5430.0
ELECTRONIC IMMOBILIZER CONTROL MODULE (EWS II), A836 .....	6135.0-00
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R) .....	2460.2
ENGINE CONTROL MODULE (DME), A6000 .....	1210.17
ENGINE CONTROL MODULE (DME), A6000 .....	1210.20
ENGINE CONTROL MODULE RELAY, K6300 .....	1210.17-00
ENGINE CONTROL MODULE RELAY, K6300 .....	1210.20-00

ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44) ....	1210.20
ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52) .....	1210.17
ENGINE COOLANT TEMPERATURE SENSOR, B6232 .....	1210.17-02
ENGINE COOLANT TEMPERATURE SENSOR, B6232 .....	1210.20-05
ENGINE COOLANT TEMPERATURE SENSOR, B6232 .....	6211.0-02
ENGINE COOLANT TEMPERATURE SENSOR, B6236 .....	1210.17-02
ENGINE HOOD SWITCH, S21w .....	6575.2-00
EVAPORATIVE EMISSION VALVE, Y6120 .....	1210.17-05
EVAPORATIVE EMISSION VALVE, Y6120 .....	1210.20-01
EVAPORATOR CONTROLLER, S221 .....	6450.6-01
EVAPORATOR TEMPERATURE SENSOR, B14 .....	6450.6-01
FOG LIGHT SWITCH, S10 .....	6312.0-00
FOG LIGHT, LEFT, E26 .....	6312.0-00
FRESH AIR RECIRCULATION MOTOR, M111 .....	6450.6-01
FRONT ASHTRAY LIGHT, E25 .....	6300.0-01
FRONT ASHTRAY LIGHT, E25 .....	6332.0-00
FRONT CIGAR LIGHTER LIGHT, E29 .....	6300.0-01
FRONT CIGAR LIGHTER LIGHT, E29 .....	6332.0-00
FRONT CIGAR LIGHTER, E28 .....	6332.0-00
FRONT FOG LIGHT RELAY, K47 .....	6312.0-00
FRONT POWER DISTRIBUTION BOX, P90 .....	0670.2
FUEL CHANGEOVER VALVE, Y6263 .....	1210.20-09
FUEL INJECTION VALVE, CYL. 1, Y6101 .....	1210.17-01
FUEL INJECTION VALVE, CYL. 1, Y6101 .....	1210.20-01
FUEL INJECTION VALVE, CYL. 2, Y6102 .....	1210.17-01
FUEL INJECTION VALVE, CYL. 2, Y6102 .....	1210.20-01
FUEL INJECTION VALVE, CYL. 3, Y6103 .....	1210.17-01
FUEL INJECTION VALVE, CYL. 3, Y6103 .....	1210.20-01
FUEL INJECTION VALVE, CYL. 4, Y6104 .....	1210.17-01
FUEL INJECTION VALVE, CYL. 4, Y6104 .....	1210.20-01
FUEL INJECTION VALVE, CYL. 5, Y6105 .....	1210.17-01
FUEL INJECTION VALVE, CYL. 6, Y6106 .....	1210.17-01
FUEL PUMP RELAY, K6301w .....	1210.17-04
FUEL PUMP RELAY, K6301w .....	1210.20-02
FUEL PUMP, M2 .....	1210.17-04





# INDEX

Z3

FUEL PUMP, M2	1210.20-02
FUEL SENSOR, B6y	6211.0-04
FUEL TANK PRESSURE SENSOR, B65	1210.17-10
FUEL TANK PRESSURE SENSOR, B65	1210.20-05
FUSE CHART	0670.1
FUSE DETAILS	0670.3
GENERATOR, G6509	1230.0-00
GROUND DISTRIBUTION	0670.4
HALL EFFECT CAMSHAFT SENSOR, B6209	1210.20-04
HARD TOP CONNECTOR 1, E99	6424.0-00
HAZARD FLASHER RELAY, K16	6313.0-00
HAZARD SWITCH, S18	6313.0-01
HEADLIGHT WASHER (SRA)	6167.1-00
HEADLIGHT, LEFT, E7	6312.0-01
HEADLIGHT, RIGHT, E8	6312.0-01
HEADLIGHT/FOG LIGHT WASHER PUMP, M7	6160.1-00
HEADLIGHT/FOG LIGHT WASHER PUMP, M7	6167.1-00
HEADLIGHTS/FOG LIGHTS	6312.0
HEAT/A/C CONTROL PANEL ILLUMINATION, E105	6300.0-02
HEAT/A/C CONTROL PANEL ILLUMINATION, E106	6300.0-02
HEATED SEATS	5203.0-00
HIFI AMPLIFIER, A18	6510.1
HIGH BEAM LIGHT RELAY, K46	6312.0-01
HIGH BEAM LIGHT, LEFT, E11	6312.0-01
HIGH BEAM LIGHT, RIGHT, E12	6312.0-01
HIGH LEVEL STOP LIGHT, H34	6325.0-00
HIGH RANGE SPEAKER, LEFT FRONT, H59	6510.1-01
HIGH RANGE SPEAKER, RIGHT FRONT, H50	6510.1-02
HIGH SPEED RELAY, K22	6450.6-03
HIGH SPEED RELAY, K22	6450.6-04
HORN	6133.0-00
HORN RELAY, K2	6133.0-00
HORN SWITCH, S4	6133.0-00
HORN, LEFT, H2	6133.0-00
HORN, RIGHT, H3	6133.0-00

HOT FILM AIR MASS METER, B6207	1210.17-05
HOT FILM AIR MASS METER, B6217	1210.20-06
IDLE SPEED CONTROL VALVE, Y6130	1210.20-01
IGNITION COIL, CYL. 1, T6151	1210.17-03
IGNITION COIL, CYL. 1, T6151	1210.20-03
IGNITION COIL, CYL. 2, T6152	1210.17-03
IGNITION COIL, CYL. 2, T6152	1210.20-03
IGNITION COIL, CYL. 3, T6153	1210.17-03
IGNITION COIL, CYL. 3, T6153	1210.20-03
IGNITION COIL, CYL. 4, T6154	1210.17-03
IGNITION COIL, CYL. 4, T6154	1210.20-03
IGNITION COIL, CYL. 5, T6155	1210.17-03
IGNITION COIL, CYL. 6, T6156	1210.17-03
IGNITION SWITCH, S2	0670.2-04
INDEX	0100.0
INSTRUMENT CLUSTER	6211.0
INSTRUMENT CLUSTER, A2w	6211.0
INTAKE AIR RESONANCE CHANGEOVER VALVE, Y6131	1210.20-01
INTAKE AIR TEMPERATURE SENSOR, B6205	1210.17-02
INTAKE AIR TEMPERATURE SENSOR, B6205	1210.20-05
INTEGRATED HEATING- AND CLIMATE CONTROL	6450.6
INTERIOR ACCESSORIES	6332.0-00
INTERIOR LIGHT, FRONT LEFT, E800	6330.3-00
INTERIOR LIGHTS	6330.3-00
INTERMEDIATE PRESSURE SWITCH, B9	6450.6-03
INTERMEDIATE PRESSURE SWITCH, B9	6450.6-04
INTRODUCTION	0110.0
JET HEATER THERMOSWITCH, S198	6169.0-00
JUMPER PLUG, B900	6571.0-01
KICK-DOWN SWITCH, S8507	2460.2-02
KICK-DOWN SWITCH, S8507	2460.2-06
KNOCK SENSOR, B6240	1210.17-06
KNOCK SENSOR, B6240	1210.20-05
LICENSE PLATE LIGHT, LEFT, E43	6320.0-00
LICENSE PLATE LIGHT, RIGHT, E44	6320.0-00

03/98

0100.0-02

1997



# INDEX

Z3

LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS	6320.0-00
LIGHT ASSEMBLY, LEFT REAR, E16	0670.4-12
LIGHT ASSEMBLY, RIGHT REAR E17	0670.4-12
LIGHT SWITCH DETAILS	6300.0
LIGHT SWITCH, S8	6300.0-00
LOW BEAM LIGHT RELAY, K48	6312.0-01
LOW BEAM LIGHT, LEFT, E13	6312.0-01
LOW BEAM LIGHT, RIGHT, E14	6312.0-01
LOW RANGE SPEAKER, LEFT FRONT, H58	6510.1-02
LOW RANGE SPEAKER, LEFT REAR, H57	6510.1-01
LOW RANGE SPEAKER, RIGHT FRONT, H51	6510.1-02
LOW RANGE SPEAKER, RIGHT REAR H52	6510.1-01
LUGGAGE COMPARTMENT LIGHT SWITCH, S826	6320.0-00
MARKER LIGHT, LEFT FRONT, E21	6314.0-01
MARKER LIGHT, RIGHT FRONT, E22	6314.0-01
MIDRANGE SPEAKER, LEFT FRONT, H55	6510.1-01
MIDRANGE SPEAKER, RIGHT FRONT, H54	6510.1-02
MIRROR CONTROL SWITCH, S17	5116.0-00
MIRROR, DRIVER'S SIDE, Y5	5116.0-01
MIRROR, PASSENGER'S SIDE, Y6	5116.0-01
NORMAL SPEED RELAY, K21	6450.6-03
NORMAL SPEED RELAY, K21	6450.6-04
OBD II CONNECTOR, D110	0670.5-05
OIL PRESSURE SWITCH, B6231	6211.0-02
ON-BOARD COMPUTER TEMPERATURE SENSOR, B21	6581.3-00
OXYGEN SENSOR (BEHIND CATALYTIC CONVERTER), B62002	1210.20-04
OXYGEN SENSOR (BEHIND CATALYTIC CONVERTER), B6220y	1210.17-04
OXYGEN SENSOR (IN FRONT OF CATALYTIC CONVERTER), B62001	1210.20-04
OXYGEN SENSOR (IN FRONT OF CATALYTIC CONVERTER), B6210y	1210.17-04
PARK BRAKE SWITCH, S31	6211.0-00
PARK LIGHT, LEFT, E15	6314.0-01

PARK LIGHT, RIGHT, E19	6314.0-01
PARK/TAIL/UNDERHOOD LIGHTS	6314.0
POWER DISTRIBUTION	0670.2
POWER DISTRIBUTION CHART	0670.0
POWER MIRRORS	5116.0
POWER SEATS	5200.0
POWER WINDOW SWITCH, DRIVER'S, S126y	5133.0-01
POWER WINDOW SWITCH, PASSENGER'S, S127y	5133.0-01
PRESSURE SWITCH, B8y	6450.6-03
PRESSURE SWITCH, B8y	6450.6-04
PRESSURE SWITCH, B9508	6450.6-03
PRESSURE SWITCH, B9508	6450.6-04
PROGRAM SWITCH, S8503	2460.2-03
PROGRAM SWITCH, S8503	2460.2-07
PYROTECHNICAL BELT TENSIONER, DRIVER'S SIDE, G12	3234.0-00
PYROTECHNICAL BELT TENSIONER, PASSENGER'S SIDE, G13	3234.0-00
RADIO ANTI-THEFT SWITCH, S20w	6575.2-00
RADIO, N9	6510.1
RADIO/HIFI	6510.1
REAR DEFOGGER I, E9	6424.0-00
REAR LEFT MID-HIGH RANGE SPEAKER, H55z	6510.1-01
REAR RIGHT MID-HIGH RANGE SPEAKER, H54z	6510.1-01
REAR WINDOW DEFOGGER	6424.0-00
REAR WINDOW DEFOGGER SWITCH, S76	6424.0-00
REAR WOOFER, H500	6510.1-01
RESISTOR, R8554	0670.4-07
REVERSING LIGHT SWITCH, S8511	6322.0-00
RIGHT BRAKE LIGHT, RIGHT, H31	6325.0-00
RIGHT FOG LIGHT, RIGHT, E27	6312.0-00
SEAT BELT SWITCH, DRIVER'S, S58	3234.0-01
SEAT BELT SWITCH, PASSENGER'S, S59	3234.0-01
SEAT CONTROL SWITCH, DRIVER'S SEAT, S51	5200.0-00
SEAT CONTROL SWITCH, DRIVER'S SEAT, S51	5200.0-02

03/98

0100.0-03

1997



# INDEX

Z3

SEAT CONTROL SWITCH, DRIVER'S SEAT, S51 .....	5200.0-04
SEAT CONTROL SWITCH, DRIVER'S SEAT, S51 .....	5200.0-06
SEAT CONTROL SWITCH, PASSENGER'S SEAT, S56 .....	5200.0-01
SEAT CONTROL SWITCH, PASSENGER'S SEAT, S56 .....	5200.0-03
SEAT CONTROL SWITCH, PASSENGER'S SEAT, S56 .....	5200.0-05
SEAT CONTROL SWITCH, PASSENGER'S SEAT, S56 .....	5200.0-07
SEAT HEATER SWITCH, DRIVER'S SEAT, S53 .....	5203.0-00
SEAT HEATER SWITCH, PASSENGER'S SEAT, S54 .....	5203.0-00
SEAT HEATER, DRIVER'S, E57 .....	5203.0-00
SEAT HEATER, PASSENGER'S, E58 .....	5203.0-00
SEAT HEIGHT MOTOR, DRIVER'S, M52 .....	5200.0-00
SEAT HEIGHT MOTOR, DRIVER'S, M52 .....	5200.0-02
SEAT HEIGHT MOTOR, DRIVER'S, M52 .....	5200.0-04
SEAT HEIGHT MOTOR, DRIVER'S, M52 .....	5200.0-06
SEAT HEIGHT MOTOR, PASSENGER'S, M59 .....	5200.0-01
SEAT HEIGHT MOTOR, PASSENGER'S, M59 .....	5200.0-03
SEAT HEIGHT MOTOR, PASSENGER'S, M59 .....	5200.0-05
SEAT HEIGHT MOTOR, PASSENGER'S, M59 .....	5200.0-07
SEAT LENGTH ADJUST CUT-OFF RELAY, DRIVER'S, K921 .....	5200.0-02
SEAT LENGTH ADJUST CUT-OFF RELAY, DRIVER'S, K921 .....	5200.0-06
SEAT LENGTH ADJUST CUT-OFF RELAY, PASSENGER'S, K911 .....	5200.0-03
SEAT LENGTH ADJUST CUT-OFF RELAY, PASSENGER'S, K911 .....	5200.0-07
SEAT LIMIT SWITCH, DRIVER'S, S910 .....	5200.0-02
SEAT LIMIT SWITCH, DRIVER'S, S910 .....	5200.0-06
SEAT LIMIT SWITCH, PASSENGER'S, S911 .....	5200.0-03
SEAT LIMIT SWITCH, PASSENGER'S, S911 .....	5200.0-07
SEAT MAT, I1008 .....	3234.0-02
SEAT MOVEMENT MOTOR, DRIVER'S, M51 .....	5200.0-00
SEAT MOVEMENT MOTOR, DRIVER'S, M51 .....	5200.0-02
SEAT MOVEMENT MOTOR, DRIVER'S, M51 .....	5200.0-04
SEAT MOVEMENT MOTOR, DRIVER'S, M51 .....	5200.0-06
SEAT MOVEMENT MOTOR, PASSENGER'S, M60 .....	5200.0-01
SEAT MOVEMENT MOTOR, PASSENGER'S, M60 .....	5200.0-03

SEAT MOVEMENT MOTOR, PASSENGER'S, M60 .....	5200.0-05
SEAT MOVEMENT MOTOR, PASSENGER'S, M60 .....	5200.0-07
SEAT OCCUPANCY DETECTOR, A113 .....	3234.0-02
SEAT TILT ADJUST CUT-OFF RELAY, DRIVER'S, K920 .....	5200.0-02
SEAT TILT ADJUST CUT-OFF RELAY, DRIVER'S, K920 .....	5200.0-06
SEAT TILT ADJUST CUT-OFF RELAY, PASSENGER'S, K910 .....	5200.0-03
SEAT TILT ADJUST CUT-OFF RELAY, PASSENGER'S, K910 .....	5200.0-07
SEATBACK HEATER, DRIVER'S, E56 .....	5203.0-00
SEATBACK HEATER, PASSENGER'S, E59 .....	5203.0-00
SECONDARY AIR PUMP RELAY, K6304 .....	1210.17-05
SECONDARY AIR PUMP RELAY, K6304 .....	1210.20-09
SECONDARY AIR PUMP VALVE, Y6163 .....	1210.17-05
SECONDARY AIR PUMP VALVE, Y6163 .....	1210.20-09
SHIFT-LOCK, Y19 .....	2460.2-02
SHIFT-LOCK, Y19 .....	2460.2-05
SIDE LIGHT SWITCH, S408 .....	6330.3-00
SLIP CONTROL (ABS) .....	3450.0
SLIP CONTROL (ABS/ASC) .....	3450.1
SLIP CONTROL MODULE (ABS/ASC), A52 .....	3450.1
SOLENOID VALVE ("RUNNING LOSSES"), Y6550 .....	1210.17-05
SPEED SENSOR - ABS, LEFT FRONT, B2 .....	3450.0-01
SPEED SENSOR - ABS, LEFT FRONT, B2 .....	3450.1-03
SPEED SENSOR - ABS, LEFT FRONT, B2 .....	3450.1-08
SPEED SENSOR - ABS, LEFT FRONT, B2 .....	3450.1-12
SPEED SENSOR - ABS, LEFT REAR, B4 .....	3450.0-01
SPEED SENSOR - ABS, LEFT REAR, B4 .....	3450.1-03
SPEED SENSOR - ABS, LEFT REAR, B4 .....	3450.1-08
SPEED SENSOR - ABS, LEFT REAR, B4 .....	3450.1-12
SPEED SENSOR - ABS, RIGHT FRONT, B1 .....	3450.0-01
SPEED SENSOR - ABS, RIGHT FRONT, B1 .....	3450.1-03
SPEED SENSOR - ABS, RIGHT FRONT, B1 .....	3450.1-08
SPEED SENSOR - ABS, RIGHT FRONT, B1 .....	3450.1-12
SPEED SENSOR - ABS, RIGHT REAR B3 .....	3450.0-01
SPEED SENSOR - ABS, RIGHT REAR B3 .....	3450.1-03
SPEED SENSOR - ABS, RIGHT REAR B3 .....	3450.1-08

03/98

0100.0-04

1997



# INDEX

Z3

SPEED SENSOR – ABS, RIGHT REAR B3	3450.1-12
SPLICE LOCATION VIEWS	8000.0
START	1240.0
STARTER IMMOBILIZATION SWITCH, S235	1240.0-00
STARTER, M6510	1240.0-01
SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)	3234.0
SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE, A12	3234.0
SYMBOLS	0140.0
TAIL LIGHT, LEFT, H25	6314.0-01
TAIL LIGHT, LEFT, H37	6314.0-01
TAIL LIGHT, RIGHT, H30	6314.0-01
TAIL LIGHT, RIGHT, H39	6314.0-01
TEMPERATURE SWITCH, S36	6450.6-03
TEMPERATURE WHEEL SWITCH, S531	6450.6-01
THROTTLE FLAP HEATER, E104	3450.1-02
THROTTLE POSITION SENSOR, R6252	1210.17-05
THROTTLE POSITION SENSOR, R6252	1210.20-05
TRANSMISSION CONTROL MODULE (EGS), A8500	2460.2
TRANSMISSION POSITION INDICATOR LIGHT, E82	6300.0-02
TRANSMISSION VALVE UNIT, Y8505y	2460.2-05
TRANSMISSION VALVE UNIT, Y8521	2460.2-01
TRANSMITTER MODULE (EWS II), A835	6135.0-00
TRUNK COMPARTMENT LIGHT, E32	6320.0-00
TRUNK LOCK MOTOR, M17	5126.0-03
TURN LIGHT, LEFT FRONT, H7	6313.0-02
TURN LIGHT, LEFT REAR, H6	6313.0-03
TURN LIGHT, RIGHT FRONT, H4	6313.0-02
TURN LIGHT, RIGHT REAR H5	6313.0-03
TURN/HAZARD LIGHTS	6313.0
UNLOADER RELAY, TERMINAL 15, K6326	1210.17-02
UNLOADER RELAY, TERMINAL 15, K6326	1210.20-02
UNLOADER RELAY, TERMINAL 15, K9	5203.0-00
VARIABLE CAMSHAFT CONTROL VALVE 1, Y6275	1210.17-01
VEHICLE SPEED SENSOR, B10	6211.0-04

WASHER JET HEATER, LEFT, E51	6169.0-00
WASHER JET HEATER, RIGHT, E52	6169.0-00
WASHER PUMP, M4	6160.1-01
WASHER PUMP, M4	6160.1-02
WATER VALVE, Y4z	6450.6-01
WINDOW MOTOR, DRIVER'S, M21	5133.0-02
WINDOW MOTOR, PASSENGER'S, M23	5133.0-02
WINDSHIELD WASHER JET HEATERS	6169.0-00
WIPER MOTOR, M3	6160.1-00
WIPER MOTOR, M3	6160.1-02
WIPER/WASHER MODULE (LOW II), A64	6160.1-02
WIPER/WASHER MODULE (WWM)	6160.1
WIPER/WASHER MODULE, A51	6160.1
WIPER/WASHER MODULE, A51	6167.1-00
WIPER/WASHER SWITCH, S5	6160.1-01
WIPER/WASHER SWITCH, S5	6160.1-02
ZKE CENTRAL LOCKING (ZV)	5126.0
ZKE POWER WINDOWS (FH)	5133.0

## 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.

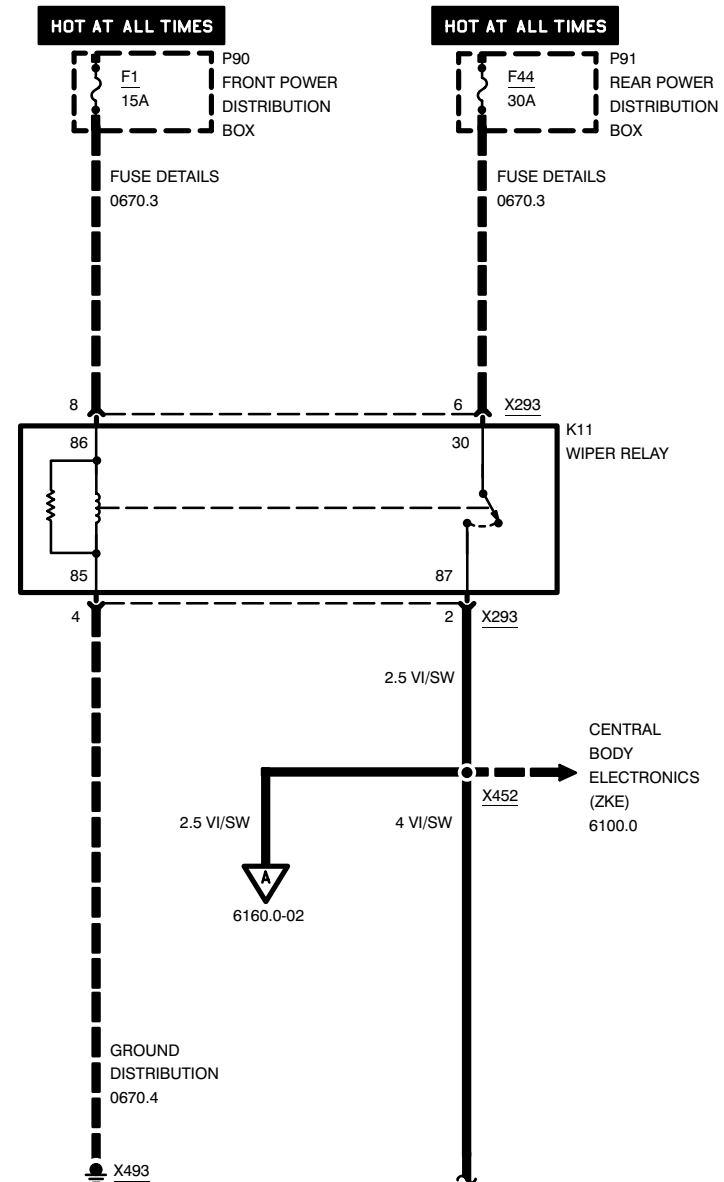
All circuit symbols used are listed and explained in cell **0140.0 Symbols**.

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.





Z3

## INTRODUCTION

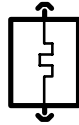
---

### 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.



BATTERY



HEATING ELEMENT



VARIABLE RESISTANCE SENSOR  
VARIABLE CONTACT IS MOVED BY AN EXTERNAL FORCE



ANTENNA



FUSE DETAILS



LOUDSPEAKER OR HORN



VARIABLE RESISTOR  
RESISTANCE IS CHANGED BY TEMPERATURE OR PRESSURE



CONTROL/POWER ELECTRONICS



FUSIBLE LINK



LIGHT



DIODE CURRENT CAN FLOW ONLY IN DIRECTION OF ARROW



HALL EFFECT SENSOR



RADIO



CIRCUIT BREAKER



PERMANENT MAGNET MOTOR ONE SPEED



ZENER DIODE TO REGULATE VOLTAGE



TRANSISTORIZED SWITCH



THERMO SWITCH



PERMANENT MAGNET MOTOR TWO SPEEDS



LIGHT EMITTING DIODE



31



N  
INDUCTIVE SENSOR  
S



SOLENOID



KNOCK SENSOR

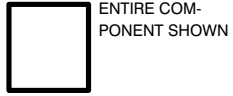


OXYGEN SENSOR



N  
VEHICLE SPEED SENSOR  
S

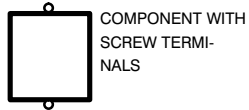
# SYMBOLS



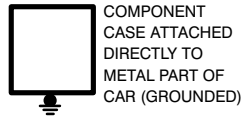
ENTIRE COMPONENT SHOWN



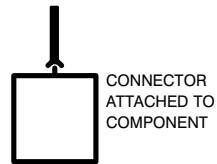
PART OF COMPONENT SHOWN



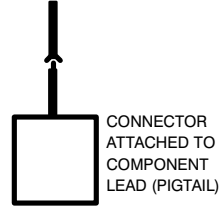
COMPONENT WITH SCREW TERMINALS



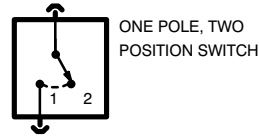
COMPONENT CASE ATTACHED DIRECTLY TO METAL PART OF CAR (GROUNDED)



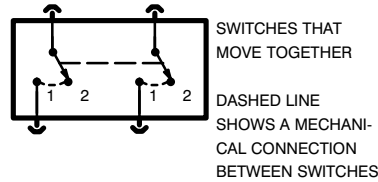
CONNECTOR ATTACHED TO COMPONENT



CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)



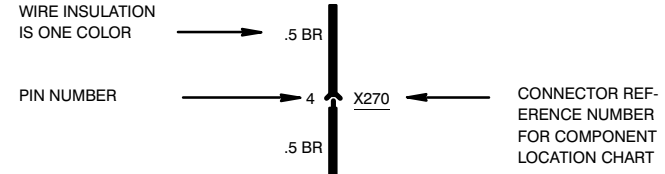
ONE POLE, TWO POSITION SWITCH



SWITCHES THAT MOVE TOGETHER

DASHED LINE SHOWS A MECHANICAL CONNECTION BETWEEN SWITCHES

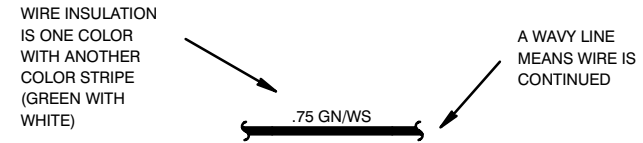
WIRE COLOR	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE
TR	TRANSPARENT



WIRE INSULATION IS ONE COLOR

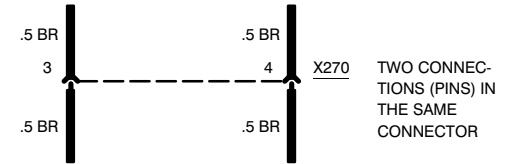
PIN NUMBER

CONNECTOR REFERENCE NUMBER FOR COMPONENT LOCATION CHART



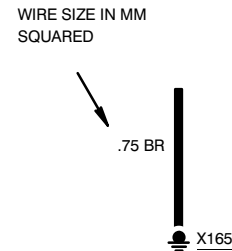
WIRE INSULATION IS ONE COLOR WITH ANOTHER COLOR STRIPE (GREEN WITH WHITE)

A WAVY LINE MEANS WIRE IS CONTINUED



TWO CONNECTIONS (PINS) IN THE SAME CONNECTOR

DASHED LINE INDICATES TERMINALS OF THE SAME CONNECTOR

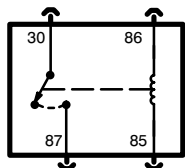


WIRE SIZE IN MM SQUARED

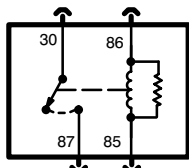
WIRE ATTACHED TO METAL PART OF CAR (GROUNDED)

GROUND NUMBERED FOR REFERENCE ON COMPONENT LOCATION CHART

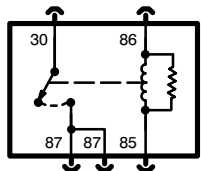




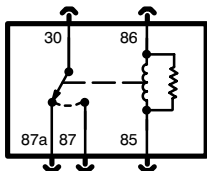
CONTACT RELAY



RELAY WITH RESISTOR ACROSS WINDING

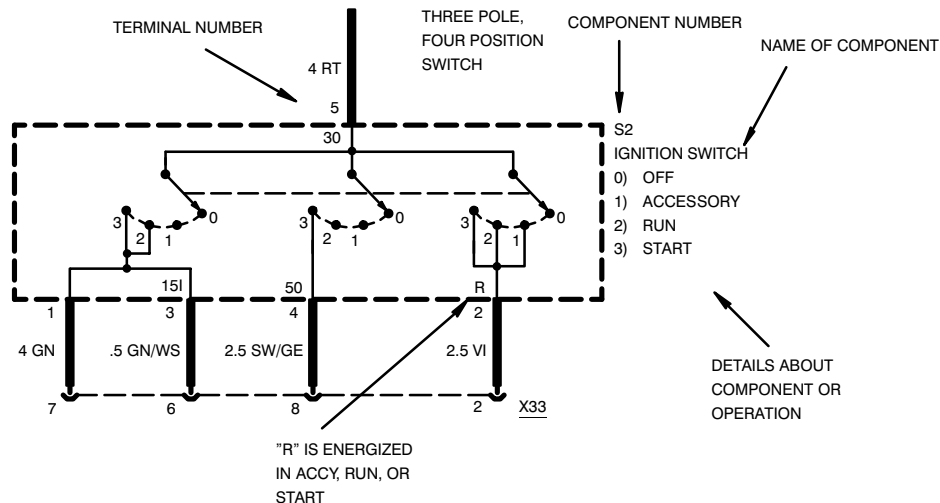


CONTACT RELAY WITH TWO OUTPUTS



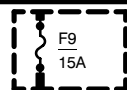
CHANGEOVER RELAY WITH TWO OUTPUTS

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



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

**HOT AT ALL TIMES**



INDICATES THAT FUSE 9 IS SUPPLIED WITH POWER AT ALL TIMES

POWER STATUS

**HOT AT ALL TIMES**

**HOT IN RUN AND START**

**HOT IN ACCY, RUN AND START**

DESCRIPTION

VOLTAGE: SUPPLIED AT ALL TIMES

VOLTAGE: IGNITION SWITCH IN RUN OR START

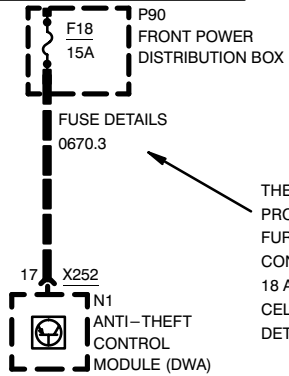
VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START



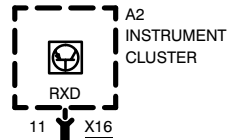
# SYMBOLS

Z3

HOT IN ACCY, RUN AND START



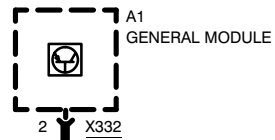
THE COMPLETE WIRE  
PROGRESSION AND  
FURTHER CIRCUITS  
CONNECTED TO FUSE  
18 ARE SHOWN IN  
CELL "0670.3 FUSE  
DETAILS" AT FUSE 18



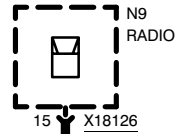
.5 WS/GE

DATA LINK  
0670.5

CIRCUIT REF-  
ERENCE - A WIRE  
WHICH CONNECTS  
TO ANOTHER CIR-  
CUIT



THE COMPLETE  
WIRE PROGRES-  
SION AND FUR-  
THER CIRCUITS  
CONNECTED TO  
GROUND X497  
ARE SHOWN IN  
CELL "0670.4  
GROUND  
DISTRIBUTION" AT  
GROUND X497



1.5 BR



0670.0-03

CURRENT PATH IS  
CONTINUED AS  
LABELED



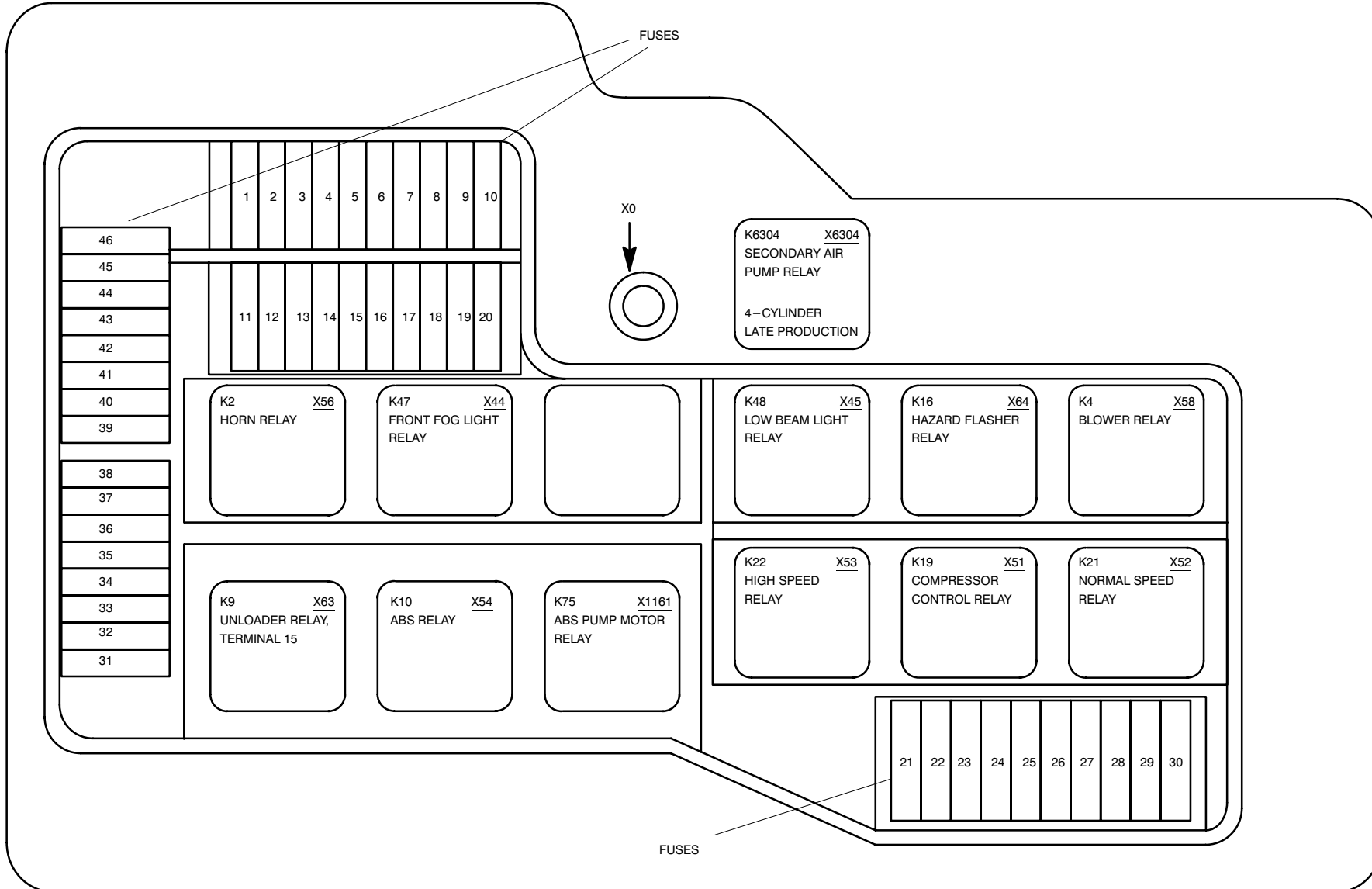
ARROW SHOWS  
DIRECTION OF  
CURRENT FLOW  
AND IS REPEATED  
WHERE CURRENT  
PATH CONTINUES



# POWER DISTRIBUTION CHART

## FRONT POWER DISTRIBUTION BOX

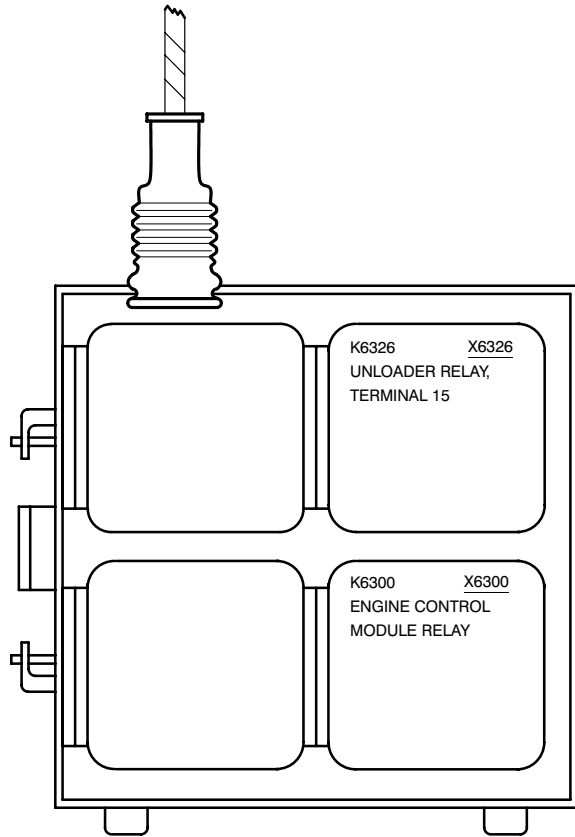
Z3



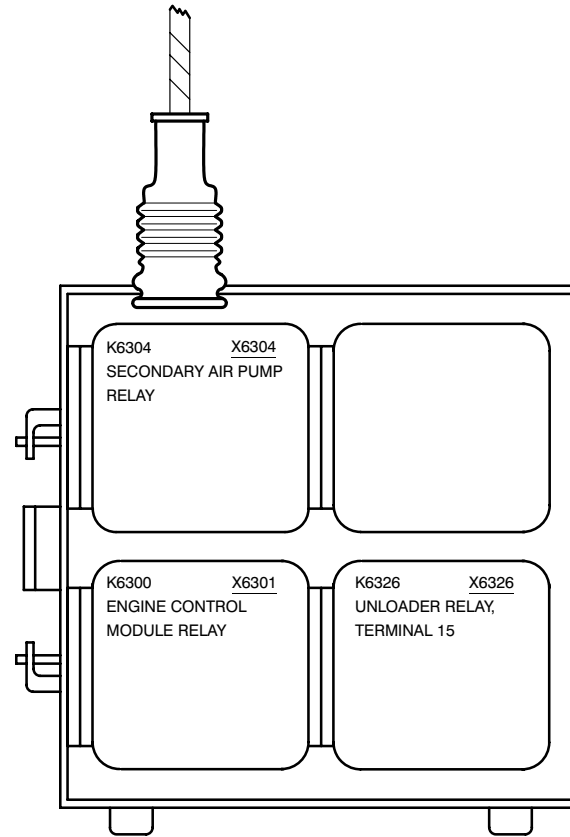


# POWER DISTRIBUTION CHART

IN E-BOX



4-CYLINDER



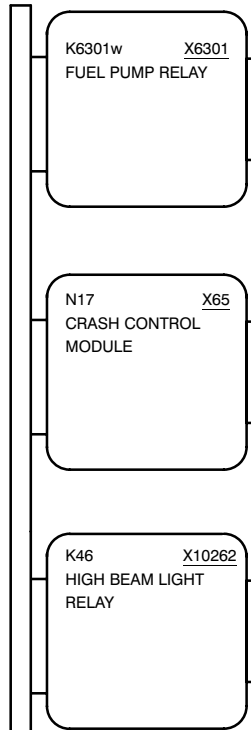
6-CYLINDER



Z3

# POWER DISTRIBUTION CHART

## RELAY PANEL UNDER LH SIDE OF DASHBOARD



03/98

0670.0-02

1997



# FUSE CHART

## FUSES 1 TO 29

Z3

	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	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	5A	30A	15A	5A		15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A	
1210.17 ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)													●			●		●												
1210.20 ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)													●			●		●												
1230.0 CHARGING SYSTEM																										●				
1240.0 START																												●		
1290.0 E-BOX FAN																														
2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)																										●		●		
3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)																											●			
3450.0 SLIP CONTROL (ABS)										●											●						●			
3450.1 SLIP CONTROL (ABS/ASC)										●											●						●			
5116.0 POWER MIRRORS																														
5126.0 ZKE CENTRAL LOCKING (ZV)							●																							
5133.0 ZKE POWER WINDOWS (FH)															●															
5200.0 POWER SEATS					●																●									
5203.0 HEATED SEATS				●																			●							
5430.0 ELECTRO-MECHANICAL CONVERTIBLE TOP	●																													
6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)															●															
6133.0 HORN								●																						
6135.0 DRIVE-AWAY PROTECTION (EWS II)																													●	
6160.1 WIPER/WASHER MODULE (WWM)			●																											
6167.1 HEADLIGHT WASHER (SRA)			●																											
6169.0 WINDSHIELD WASHER JET HEATERS																														

03/98

0670.1-00

1997



# FUSE CHART

## FUSES 1 TO 29

Z3

		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	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	5A	30A	15A	5A		15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
6211.0	INSTRUMENT CLUSTER																							●				●		
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)																													
6575.2	ANTI-THEFT SYSTEM (ALPINE)																												●	
6581.3	BOARD COMPUTER (BC-LOW)																													

03/98

0670.1-01

1997



# FUSE CHART

## FUSES 30 TO 48

Z3

1210.17 ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)

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

1230.0 CHARGING SYSTEM

1240.0 START

1290.0 E-BOX FAN

2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

3450.0 SLIP CONTROL (ABS)

3450.1 SLIP CONTROL (ABS/ASC)

5116.0 POWER MIRRORS

5126.0 ZKE CENTRAL LOCKING (ZV)

5133.0 ZKE POWER WINDOWS (FH)

5200.0 POWER SEATS

5203.0 HEATED SEATS

5430.0 ELECTRO-MECHANICAL CONVERTIBLE TOP

6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)

6133.0 HORN

6135.0 DRIVE-AWAY PROTECTION (EWS II)

6160.1 WIPER/WASHER MODULE (WWM)

6167.1 HEADLIGHT WASHER (SRA)

6169.0 WINDSHIELD WASHER JET HEATERS

		FUSE NUMBER																												
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48										
		7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A		40A										
1210.17	ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)										●																			
1210.20	ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)																													
1230.0	CHARGING SYSTEM																													
1240.0	START		●															●												
1290.0	E-BOX FAN																													
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)																		●											
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)												●	●																
3450.0	SLIP CONTROL (ABS)									●									●											
3450.1	SLIP CONTROL (ABS/ASC)									●									●											
5116.0	POWER MIRRORS																													
5126.0	ZKE CENTRAL LOCKING (ZV)						●								●															
5133.0	ZKE POWER WINDOWS (FH)																													
5200.0	POWER SEATS																													
5203.0	HEATED SEATS																													
5430.0	ELECTRO-MECHANICAL CONVERTIBLE TOP																		●											
6100.0	CENTRAL BODY ELECTRONICS (ZKE IV)				●		●								●															
6133.0	HORN																													
6135.0	DRIVE-AWAY PROTECTION (EWS II)		●														●	●												
6160.1	WIPER/WASHER MODULE (WWM)							●	●								●													
6167.1	HEADLIGHT WASHER (SRA)							●									●													
6169.0	WINDSHIELD WASHER JET HEATERS																													





# FUSE CHART

## FUSES 30 TO 48

Z3

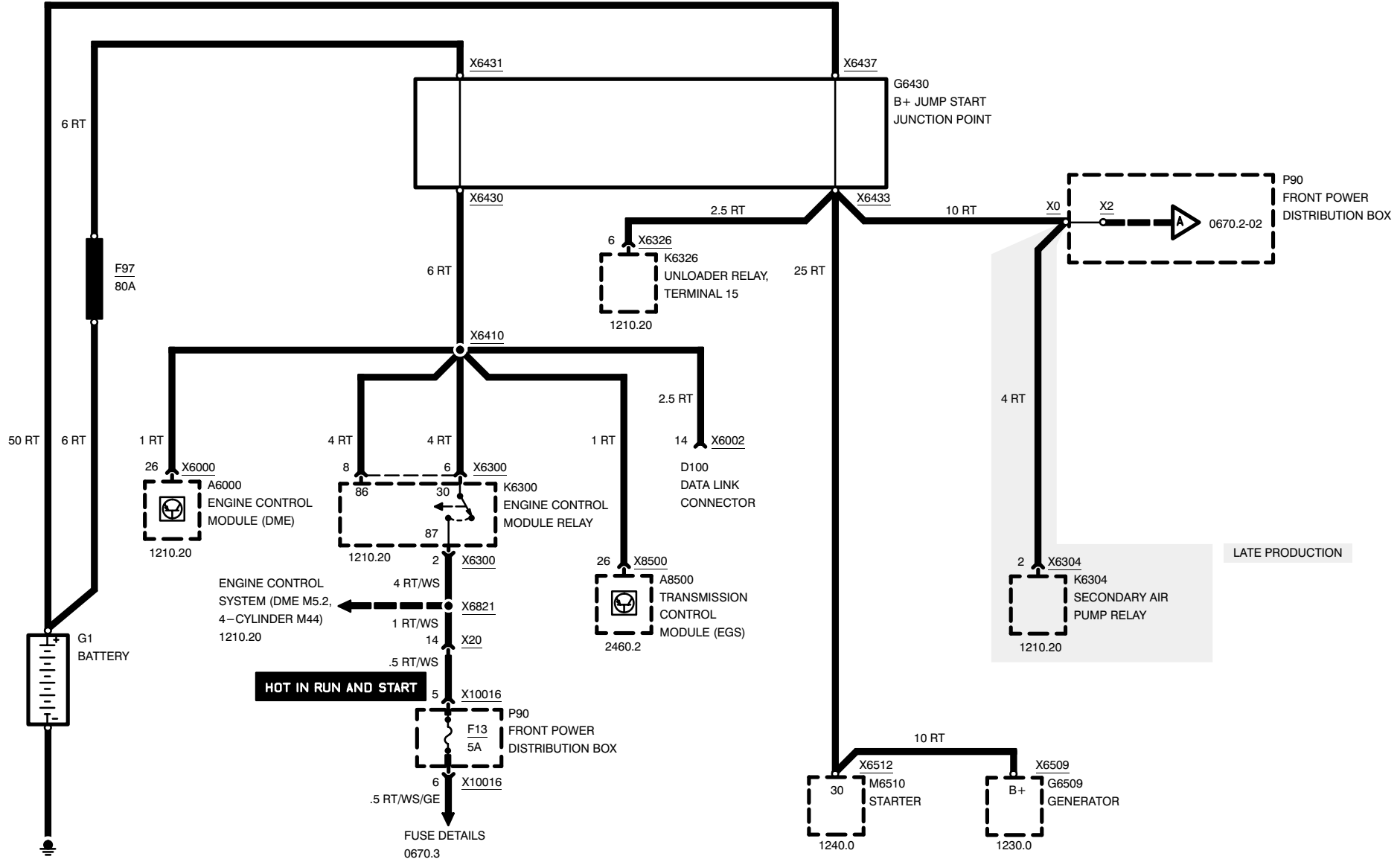
	FUSE NUMBER																		
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A		40A
6211.0 INSTRUMENT CLUSTER		●															●		
6213.3 DIGITAL CLOCK		●														●			
6300.0 LIGHT SWITCH DETAILS				●			●												
6312.0 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)																	●		
6575.2 ANTI-THEFT SYSTEM (ALPINE)		●												●					
6581.3 BOARD COMPUTER (BC-LOW)		●															●		



# POWER DISTRIBUTION

## 4-CYLINDER

Z3



03/98

0670.2-00

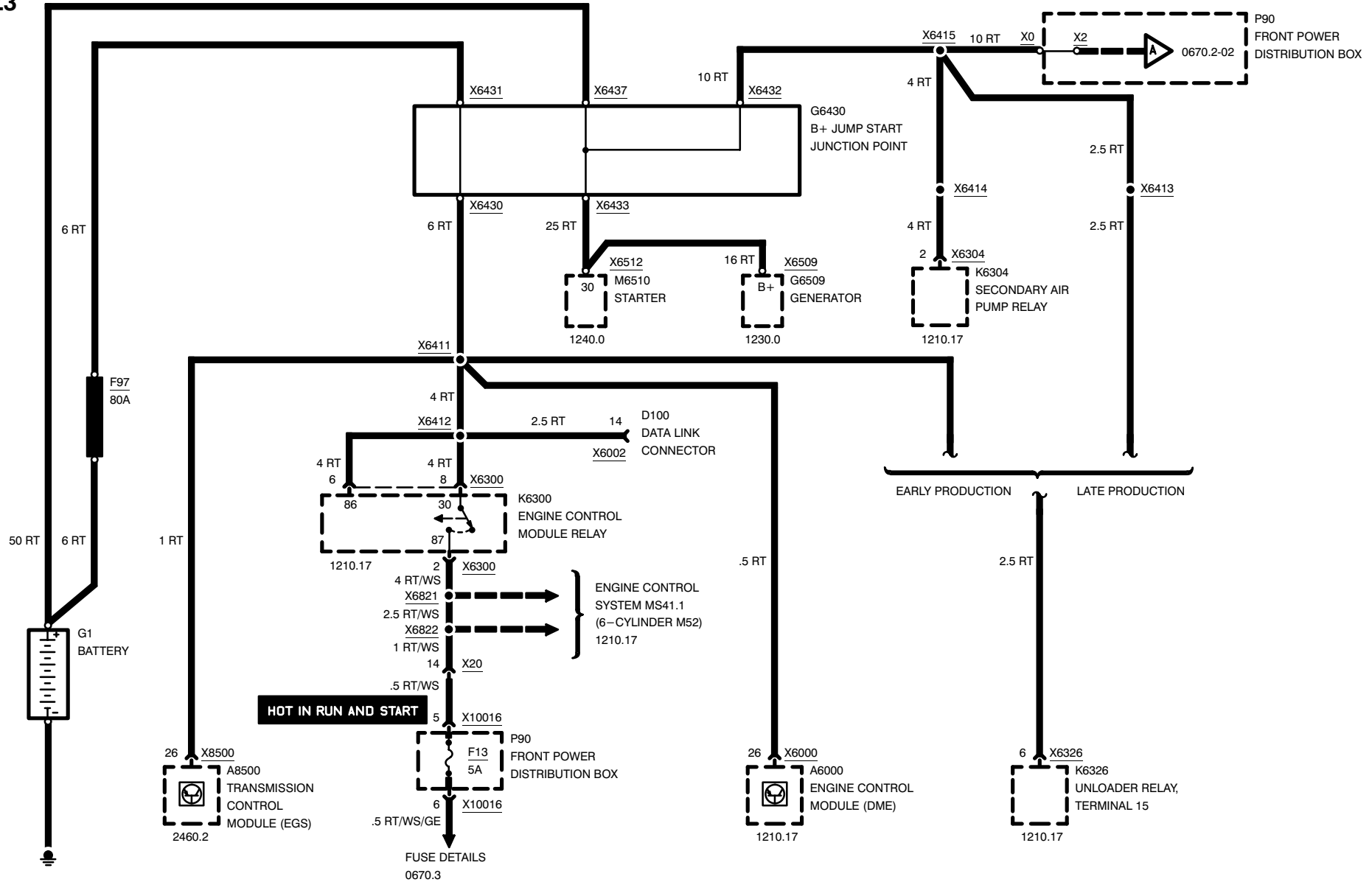
1997



Z3

# POWER DISTRIBUTION

## 6-CYLINDER



03/98

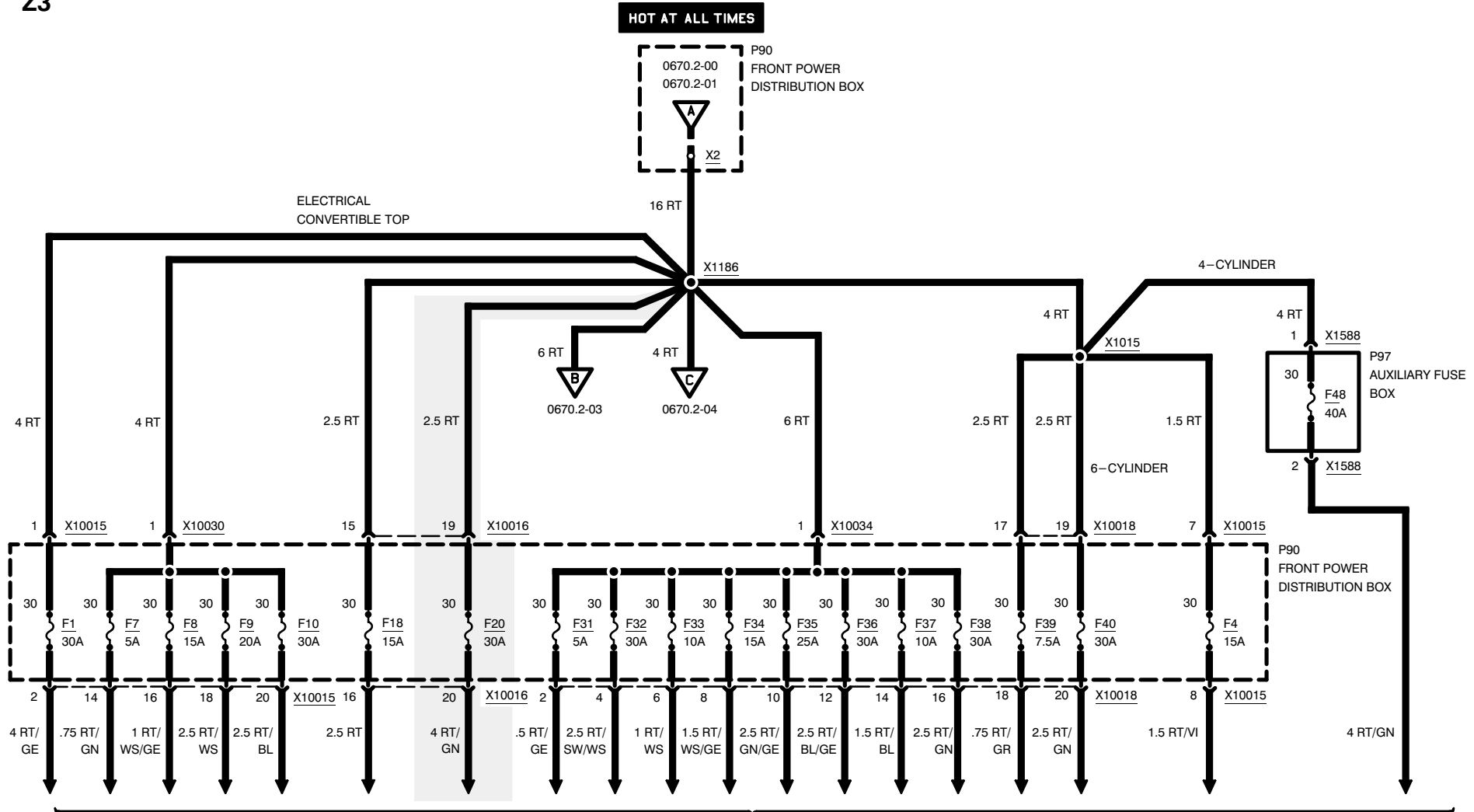
0670.2-01

1997



Z3

# POWER DISTRIBUTION



03/98

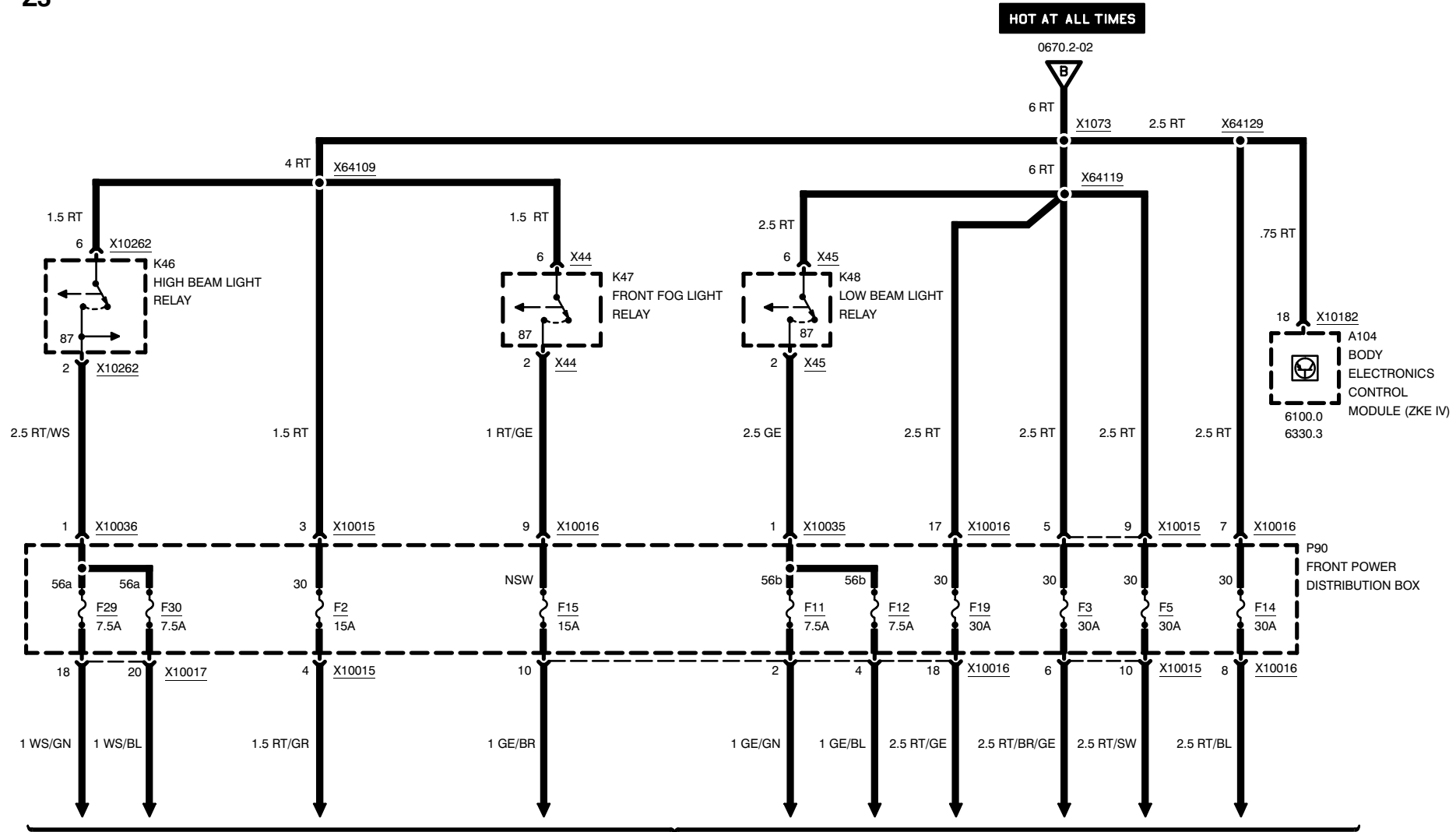
0670.2-02

1997



Z3

# POWER DISTRIBUTION



FUSE DETAILS  
0670.3

03/98

0670.2-03

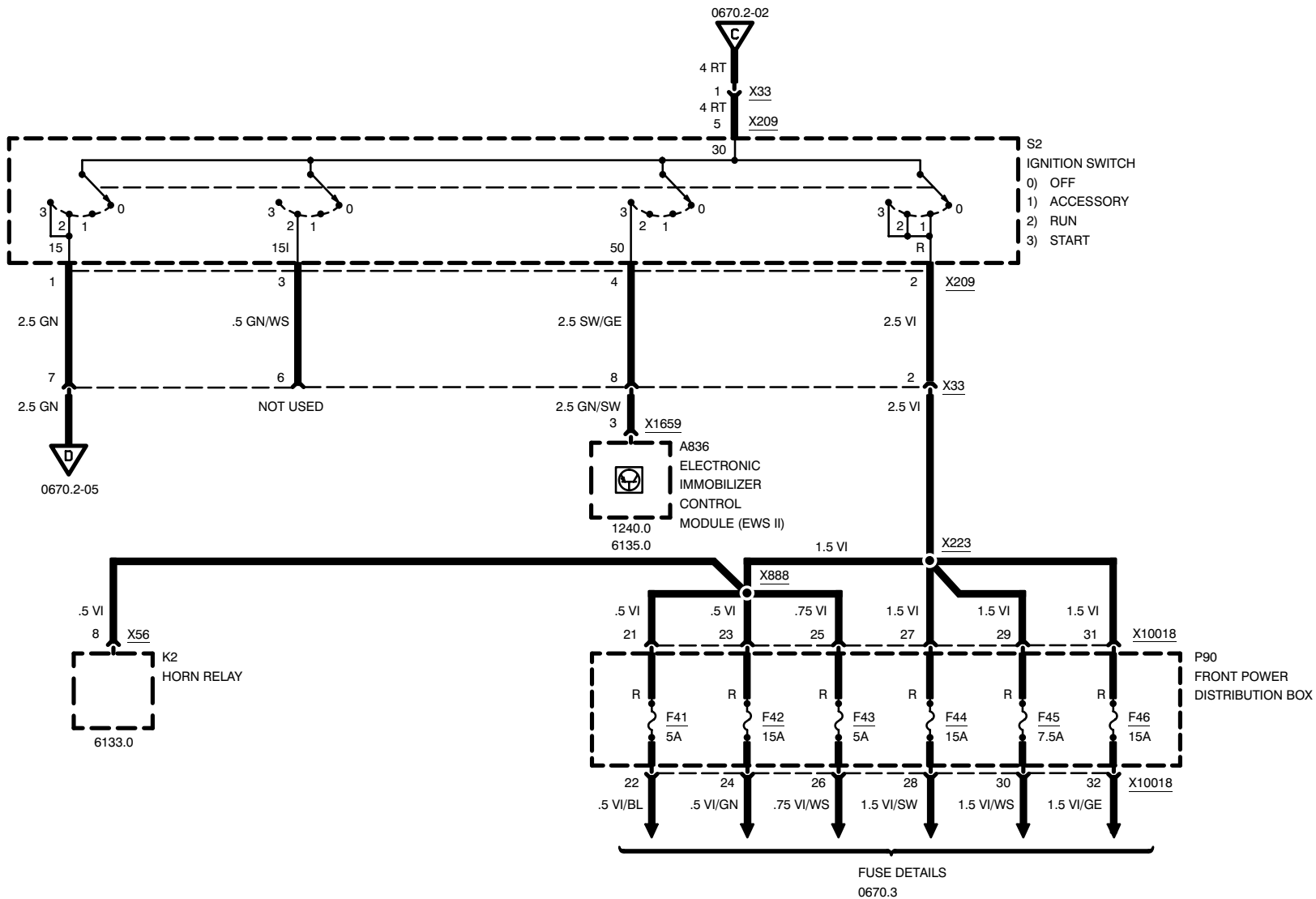
1997



# POWER DISTRIBUTION

Z3

HOT AT ALL TIMES



03/98

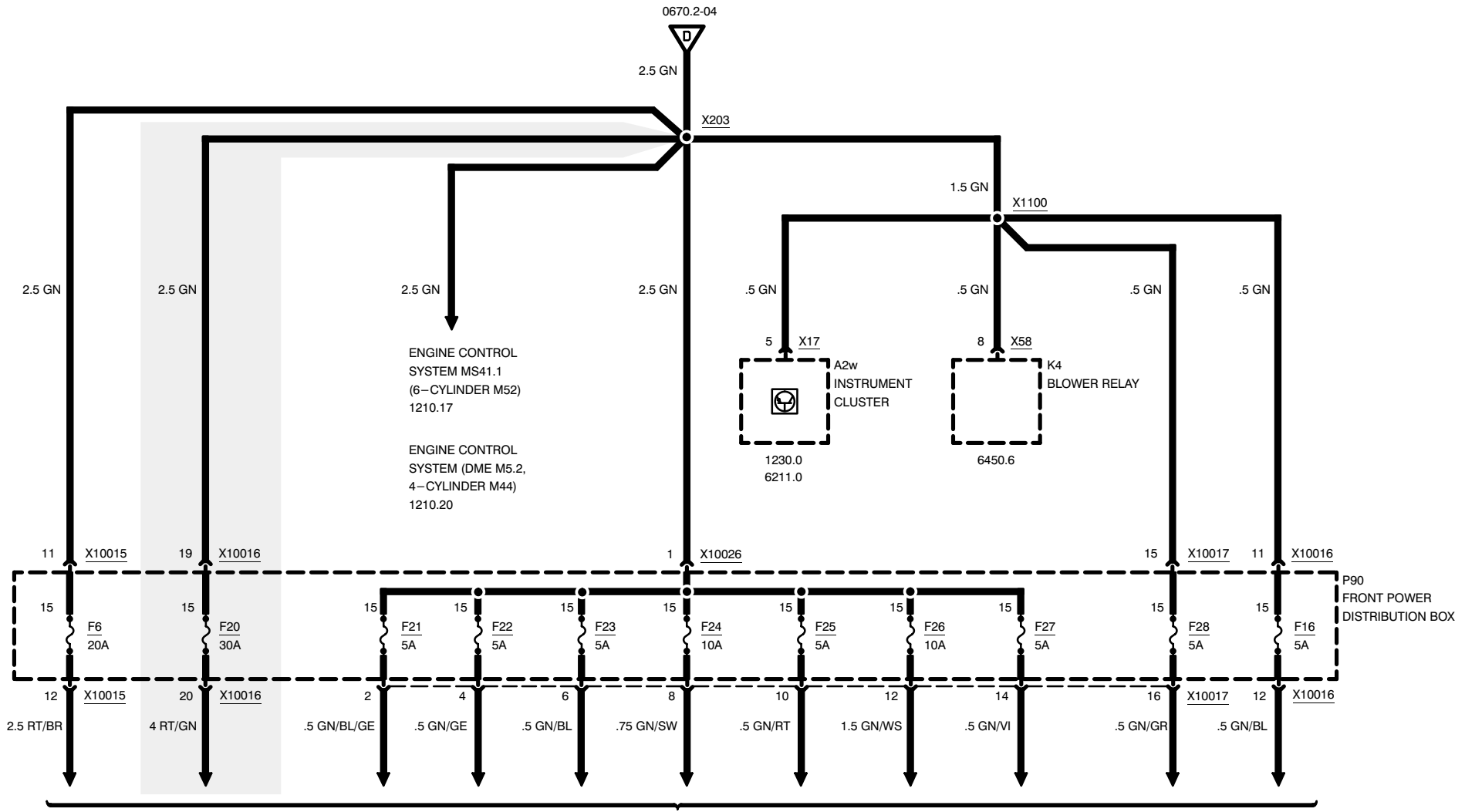
0670.2-04

1997



# POWER DISTRIBUTION

**HOT IN RUN AND START**



EARLY PRODUCTION

FUSE DETAILS  
0670.3

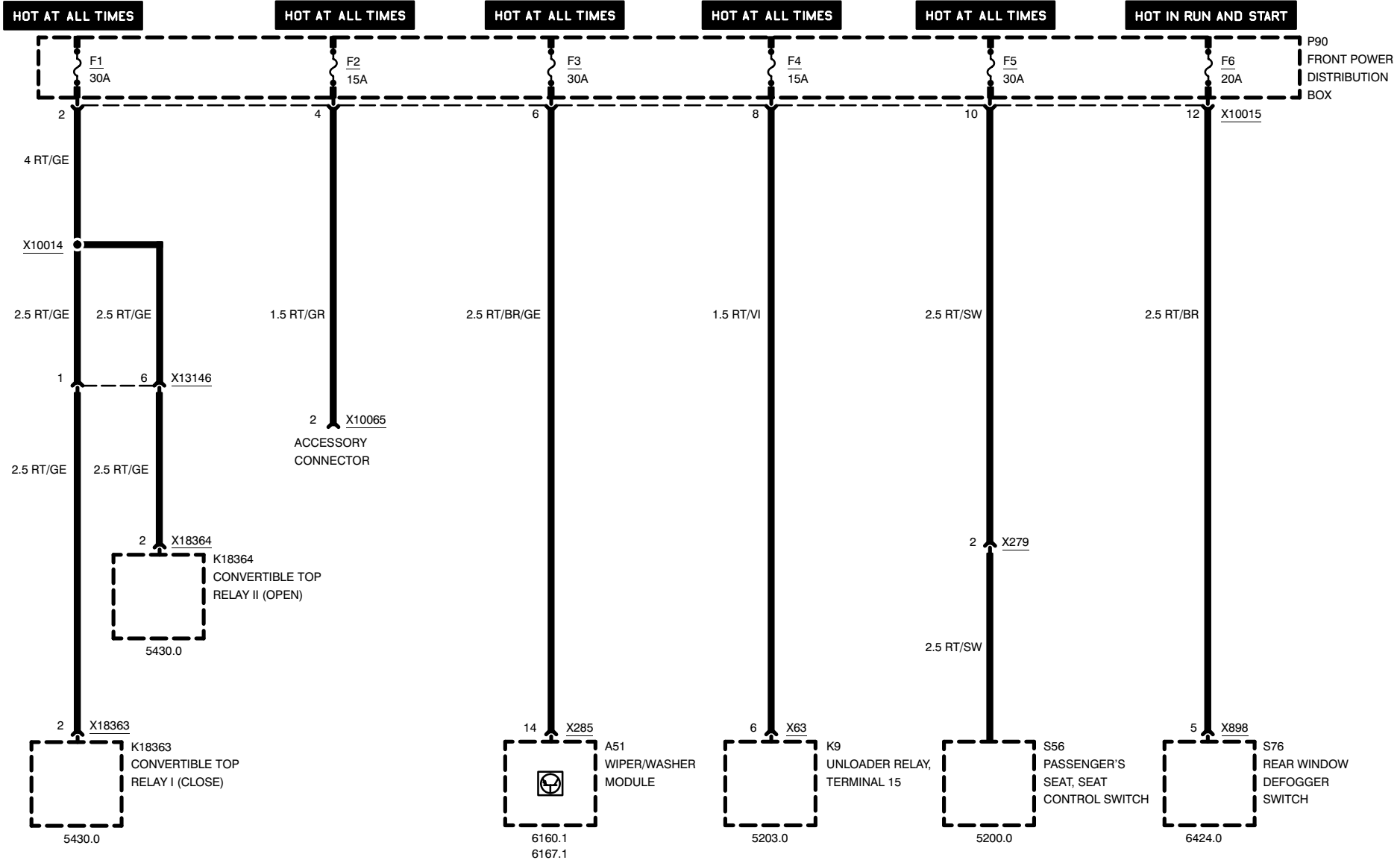
03/98 ——— 0670.2-05 ——— 1997



# FUSE DETAILS

## FUSES 1, 2, 3, 4, 5, AND 6

Z3



03/98

0670.3-00

1997

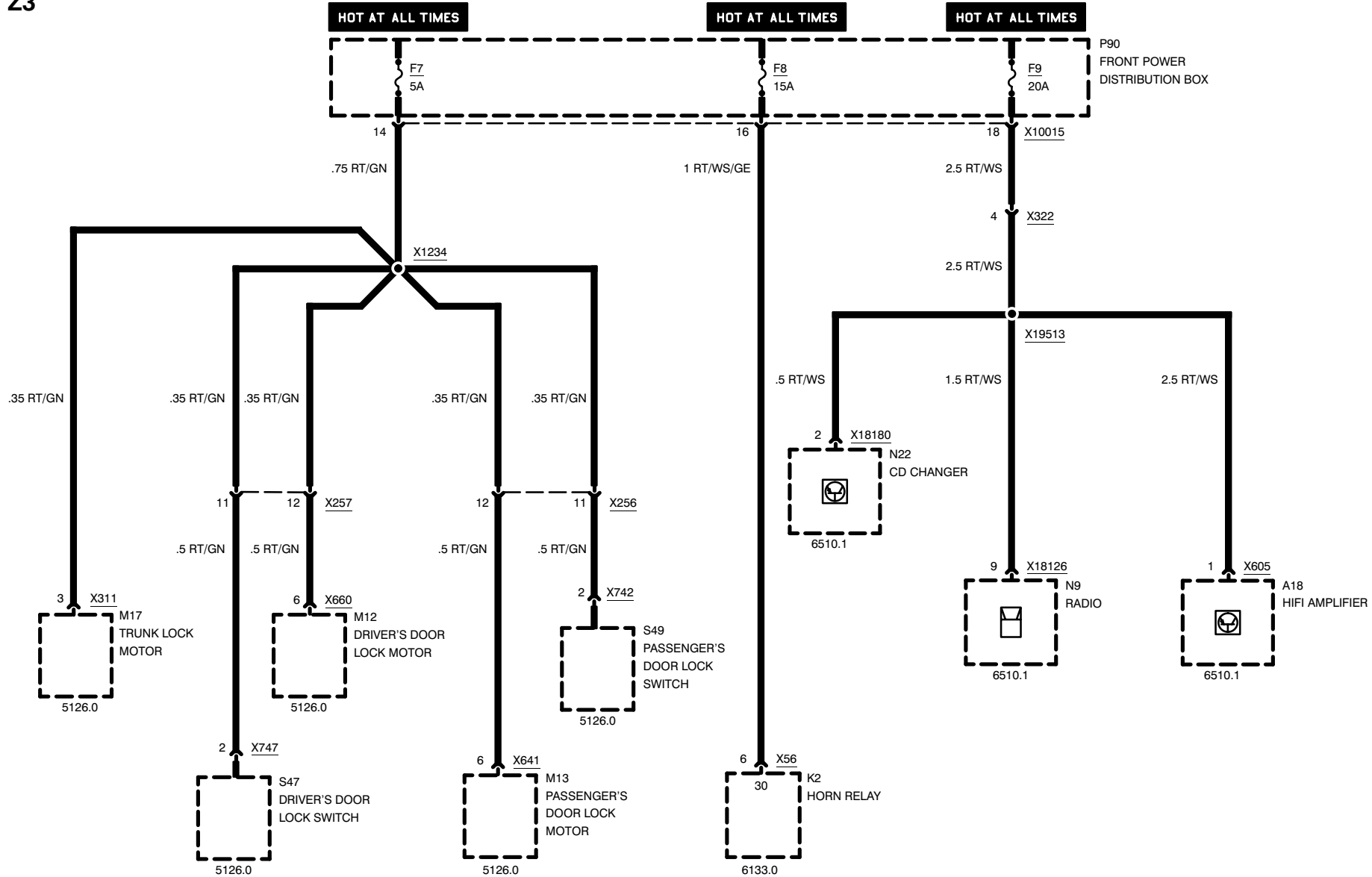




# FUSE DETAILS

## FUSES 7, 8, AND 9

Z3



03/98

0670.3-01

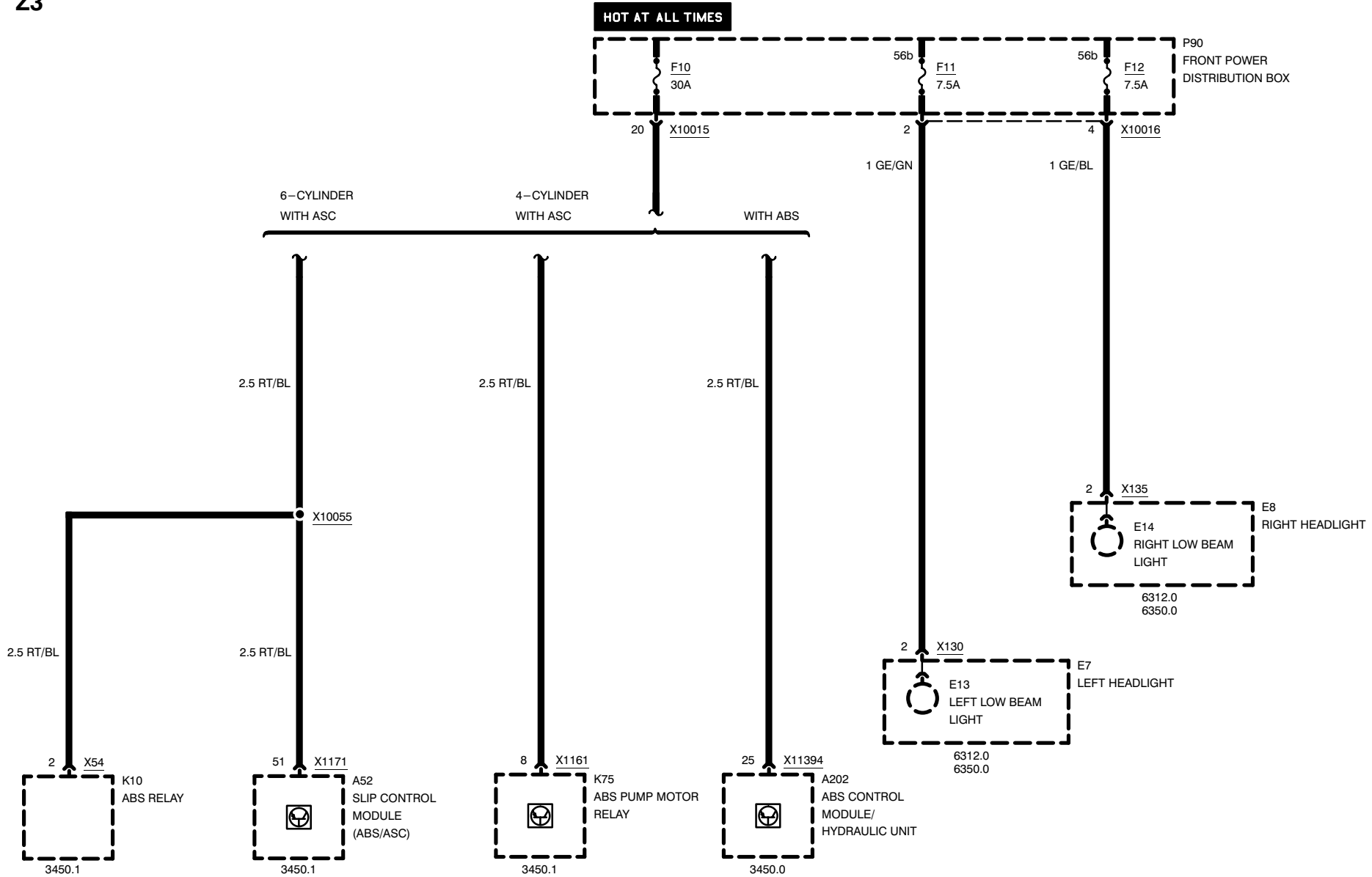
1997



# FUSE DETAILS

## FUSES 10, 11, AND 12

Z3



03/98

0670.3-02

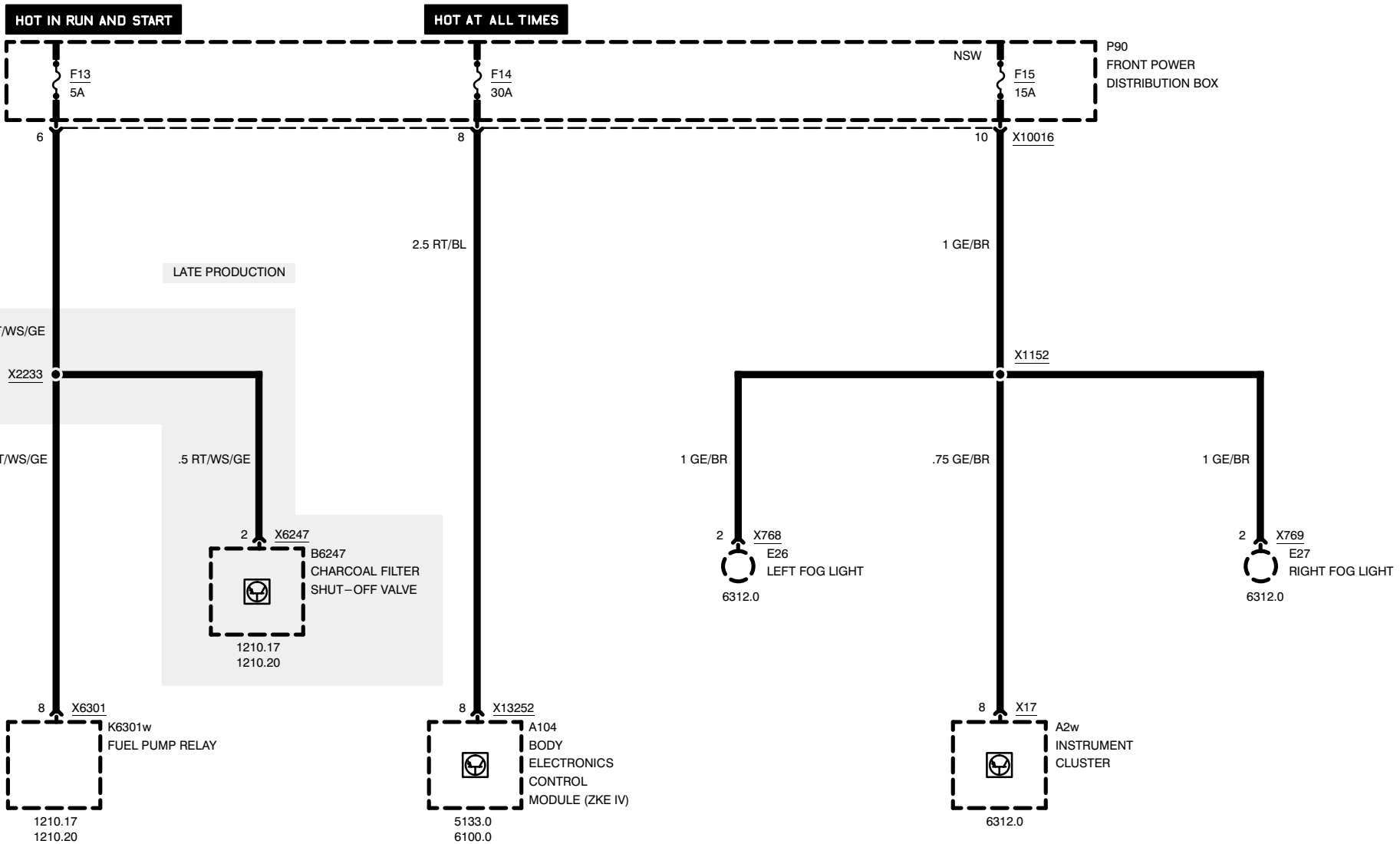
1997



# FUSE DETAILS

## FUSES 13, 14, AND 15

Z3



03/98

0670.3-03

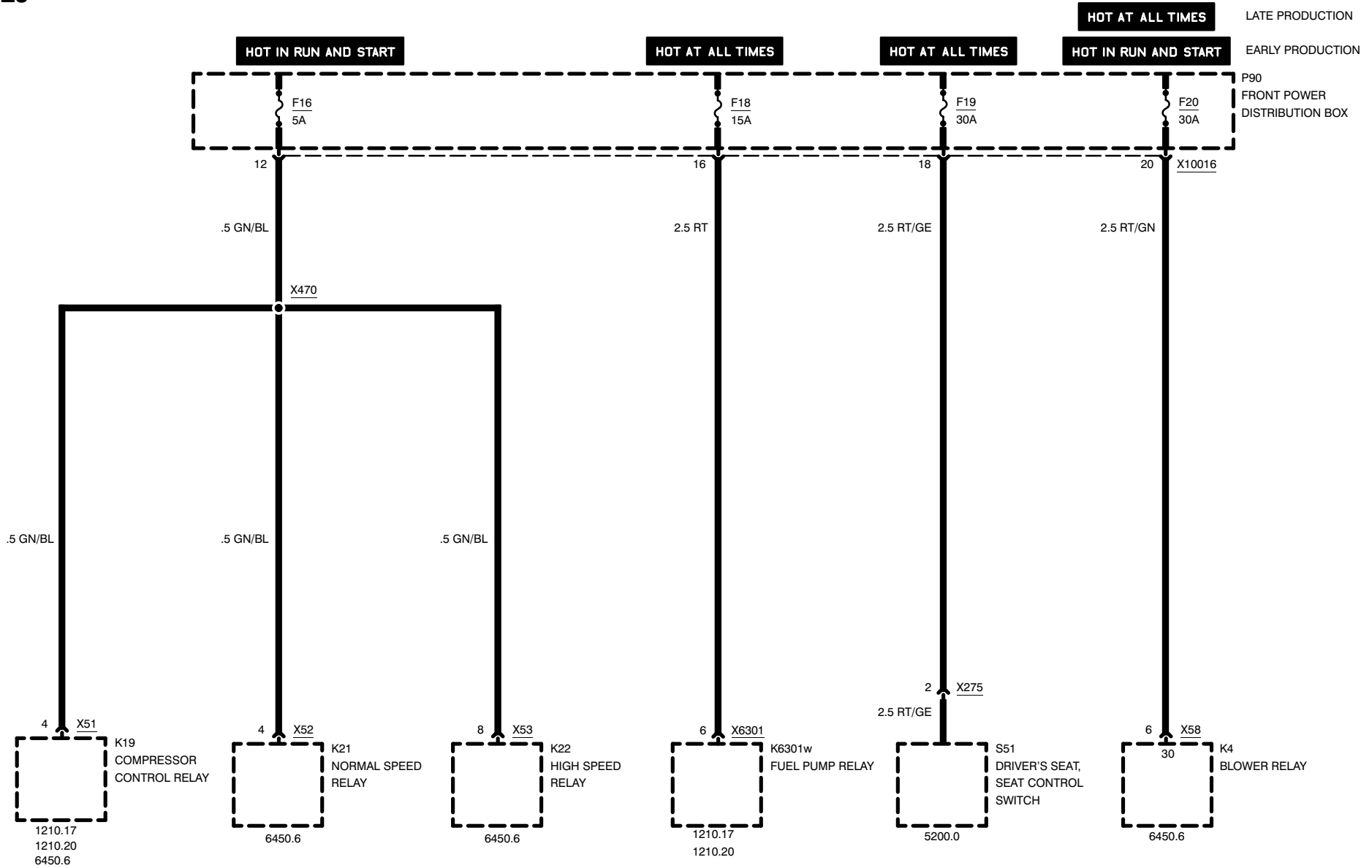
1997



# FUSE DETAILS

## FUSES 16, 18, 19, AND 20

Z3



03/98

0670.3-04

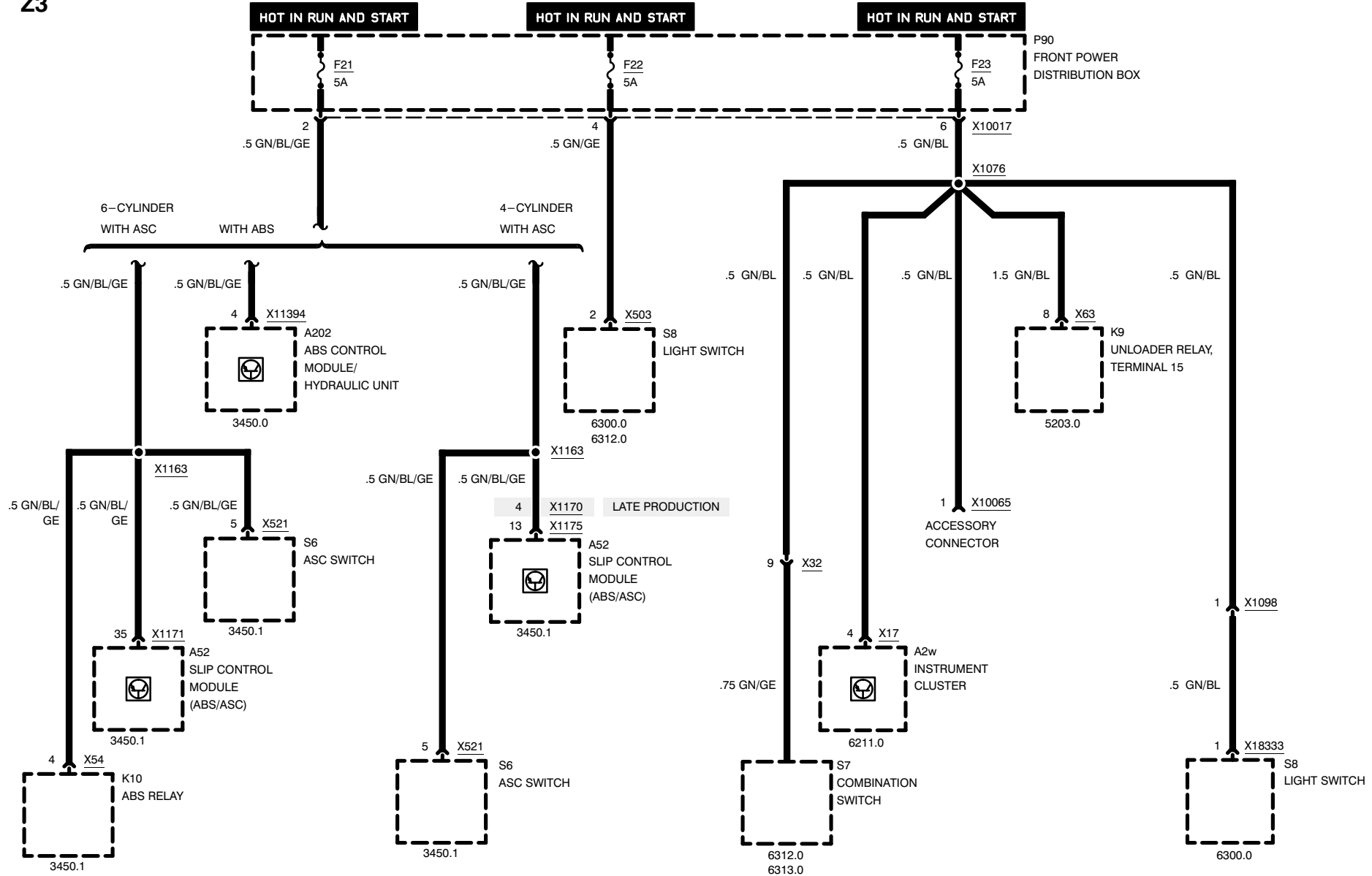
1997



# FUSE DETAILS

## FUSES 21, 22, AND 23

Z3



03/98

0670.3-05

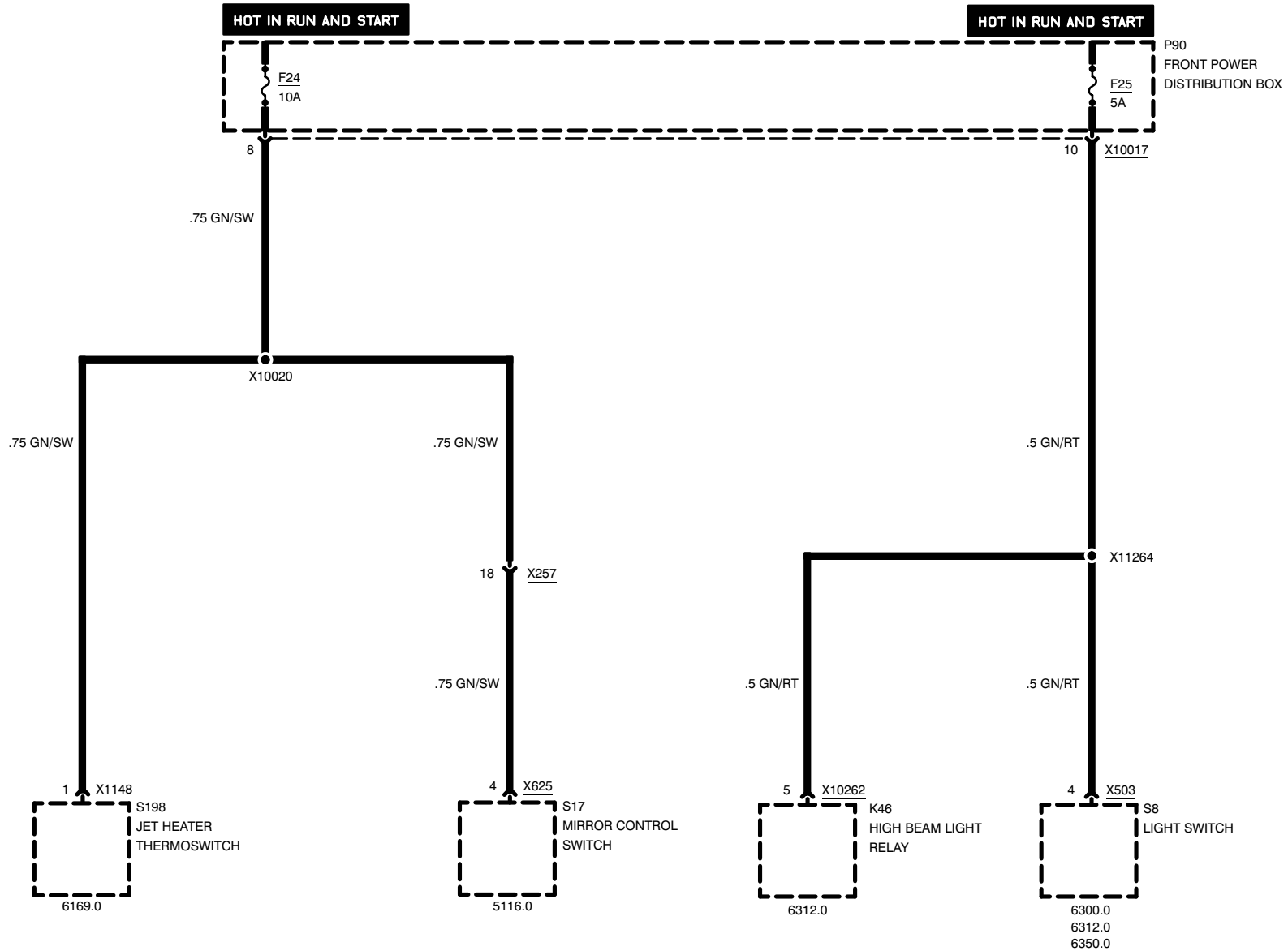
1997



Z3

# FUSE DETAILS

## FUSES 24 AND 25



03/98

0670.3-06

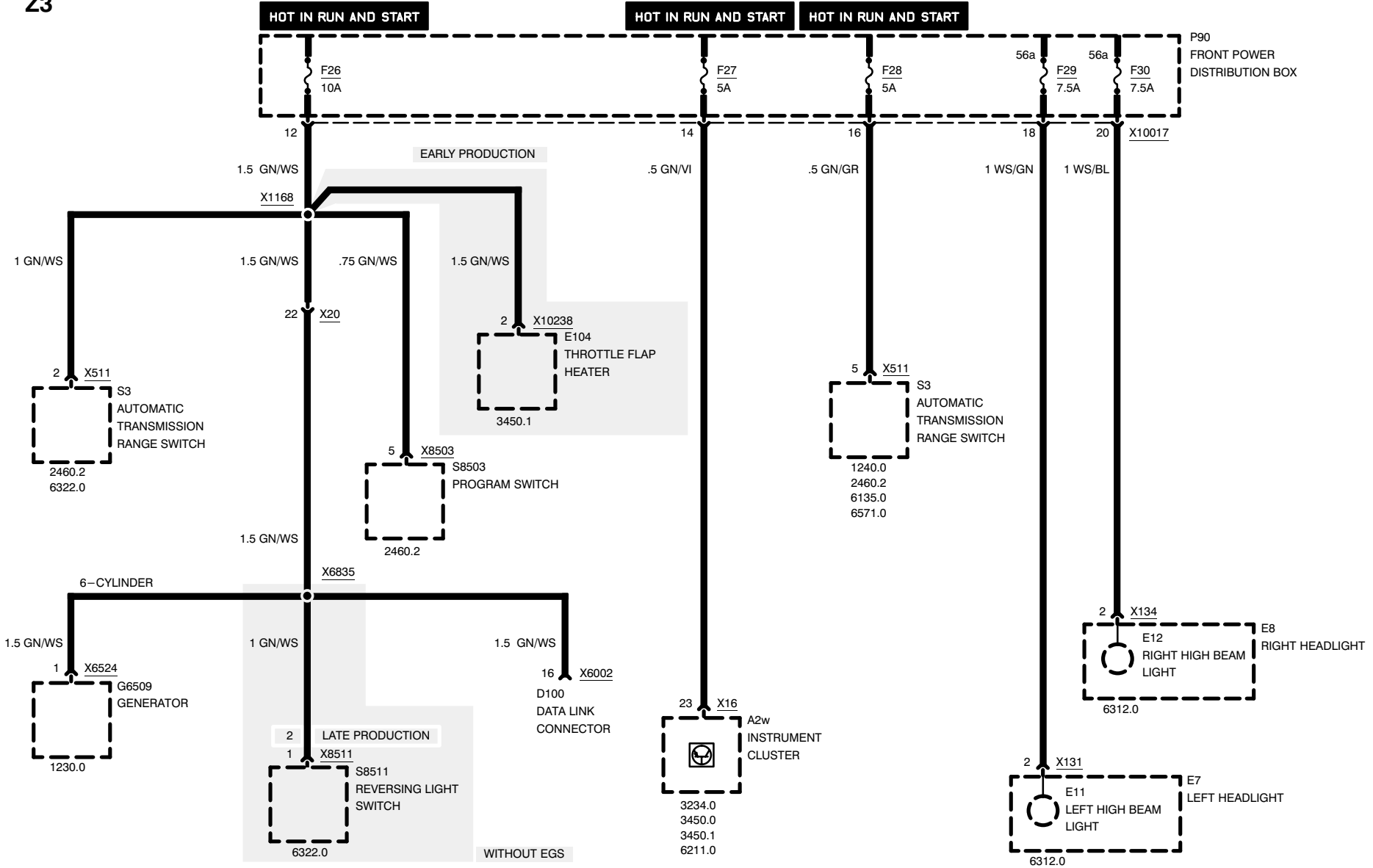
1997



# FUSE DETAILS

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

Z3



03/98

0670.3-07

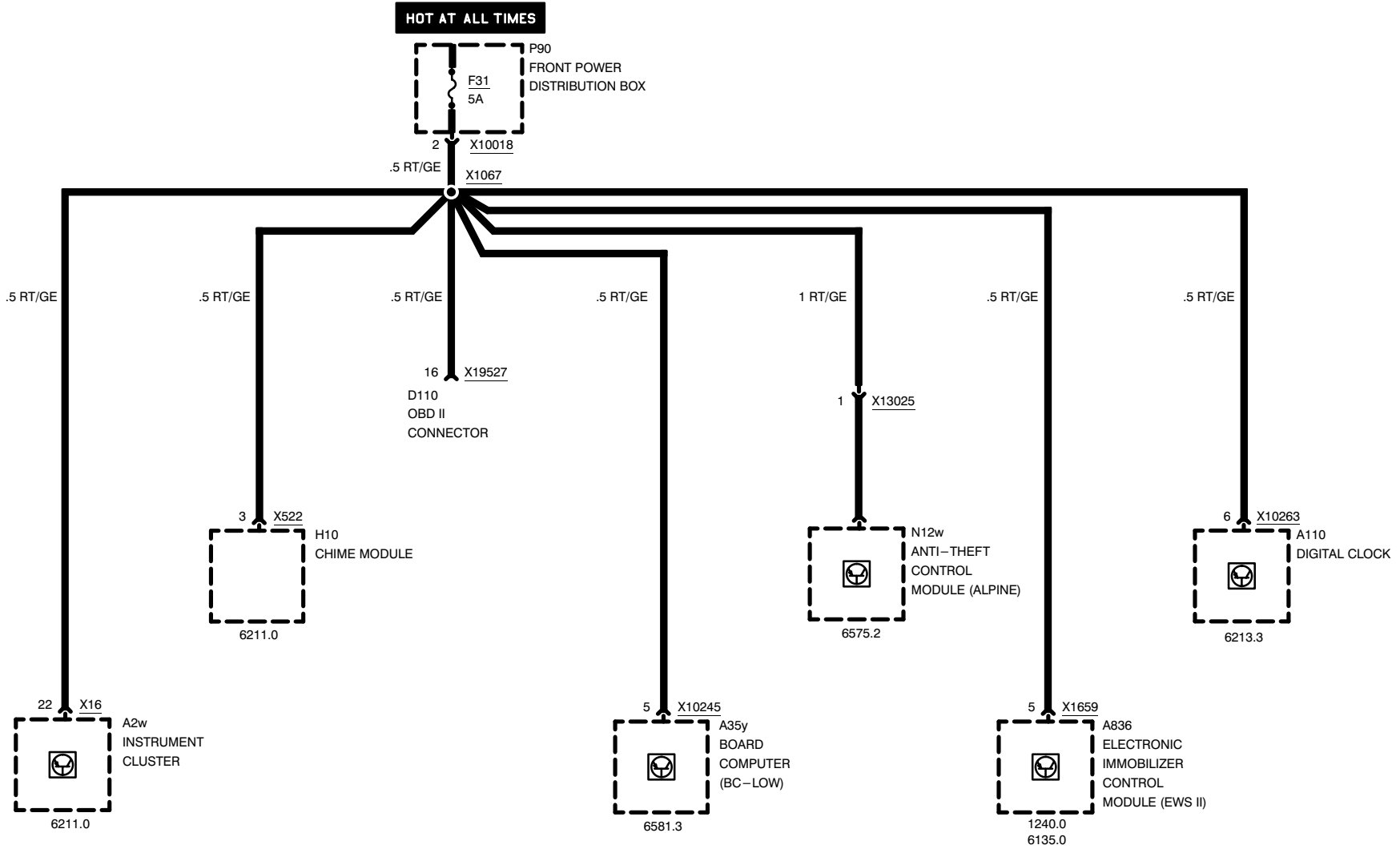
1997



# FUSE DETAILS

## FUSE 31

Z3



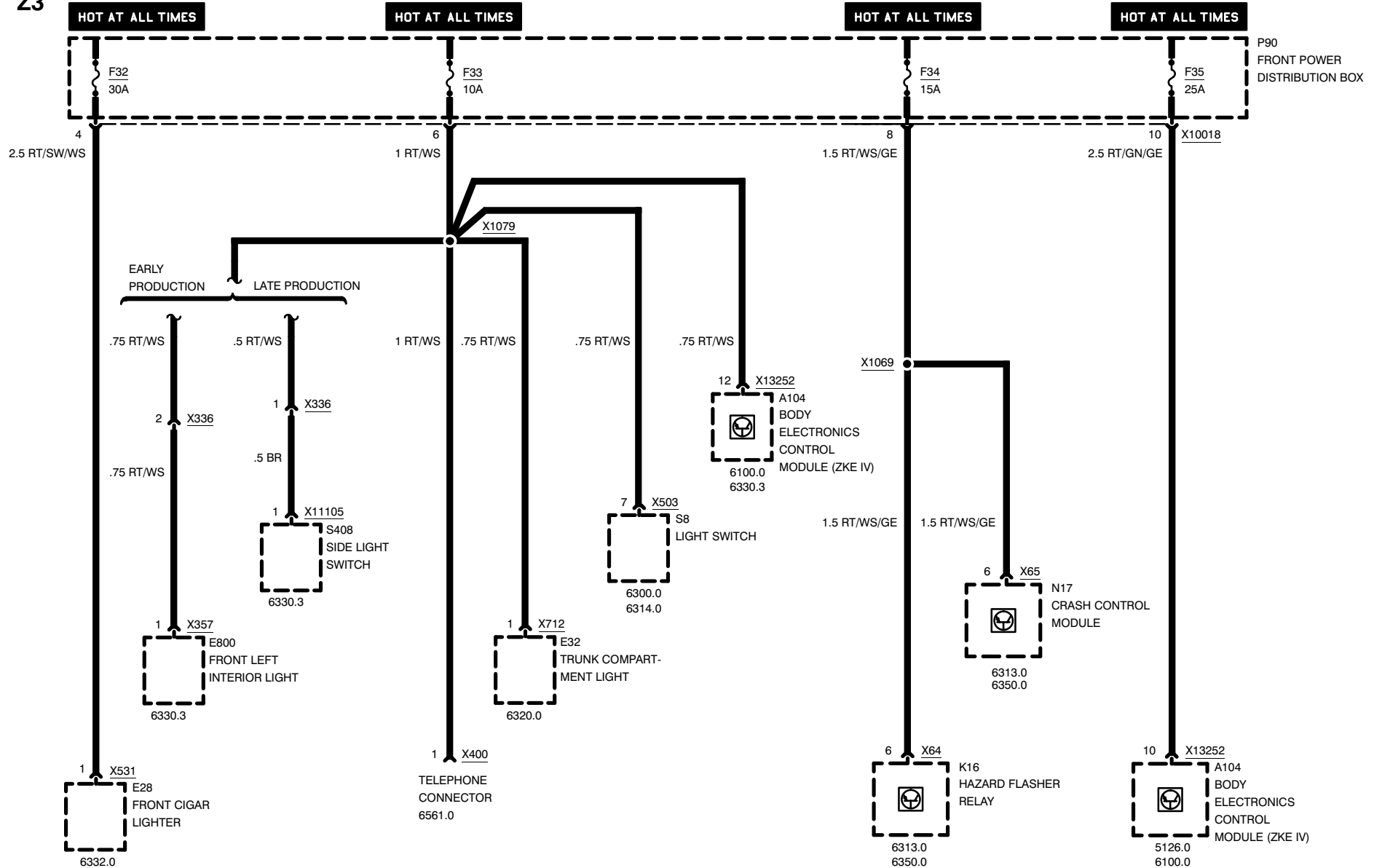




# FUSE DETAILS

## FUSES 32, 33, 34, AND 35

Z3



03/98

0670.3-09

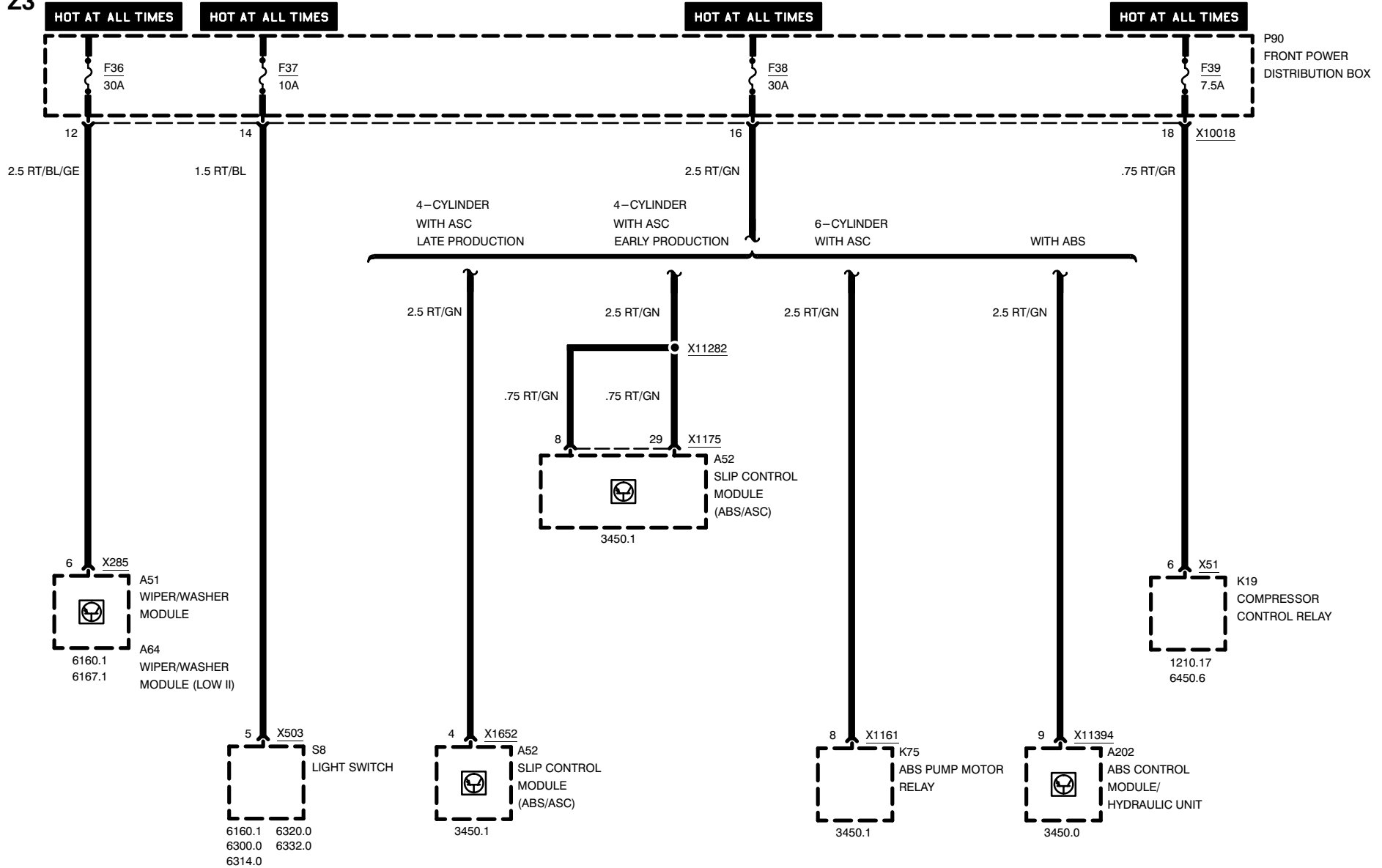
1997



# FUSE DETAILS

## FUSES 36, 37, 38, AND 39

Z3



03/98

0670.3-10

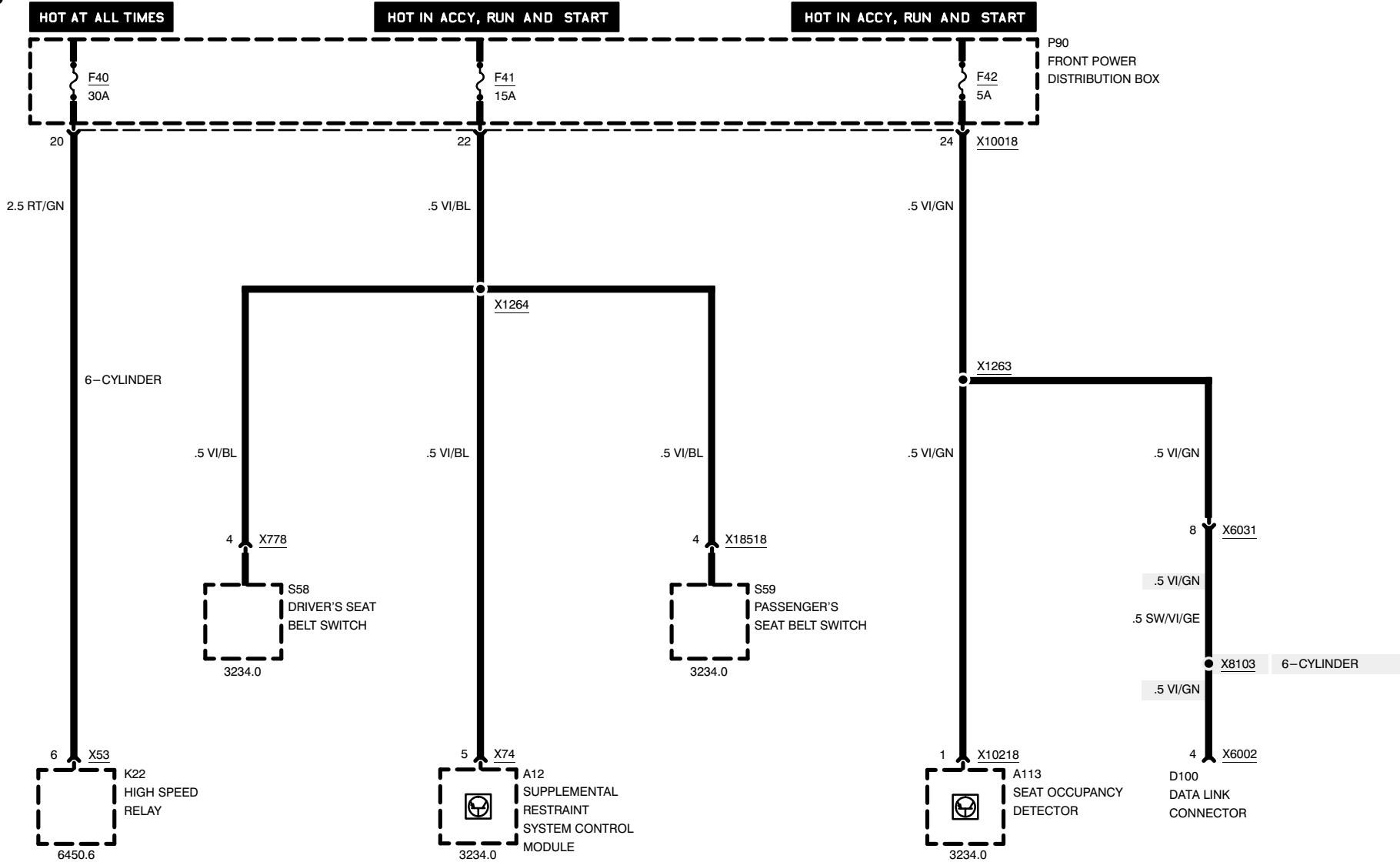
1997



# FUSE DETAILS

## FUSES 40, 41, AND 42

Z3



03/98

0670.3-11

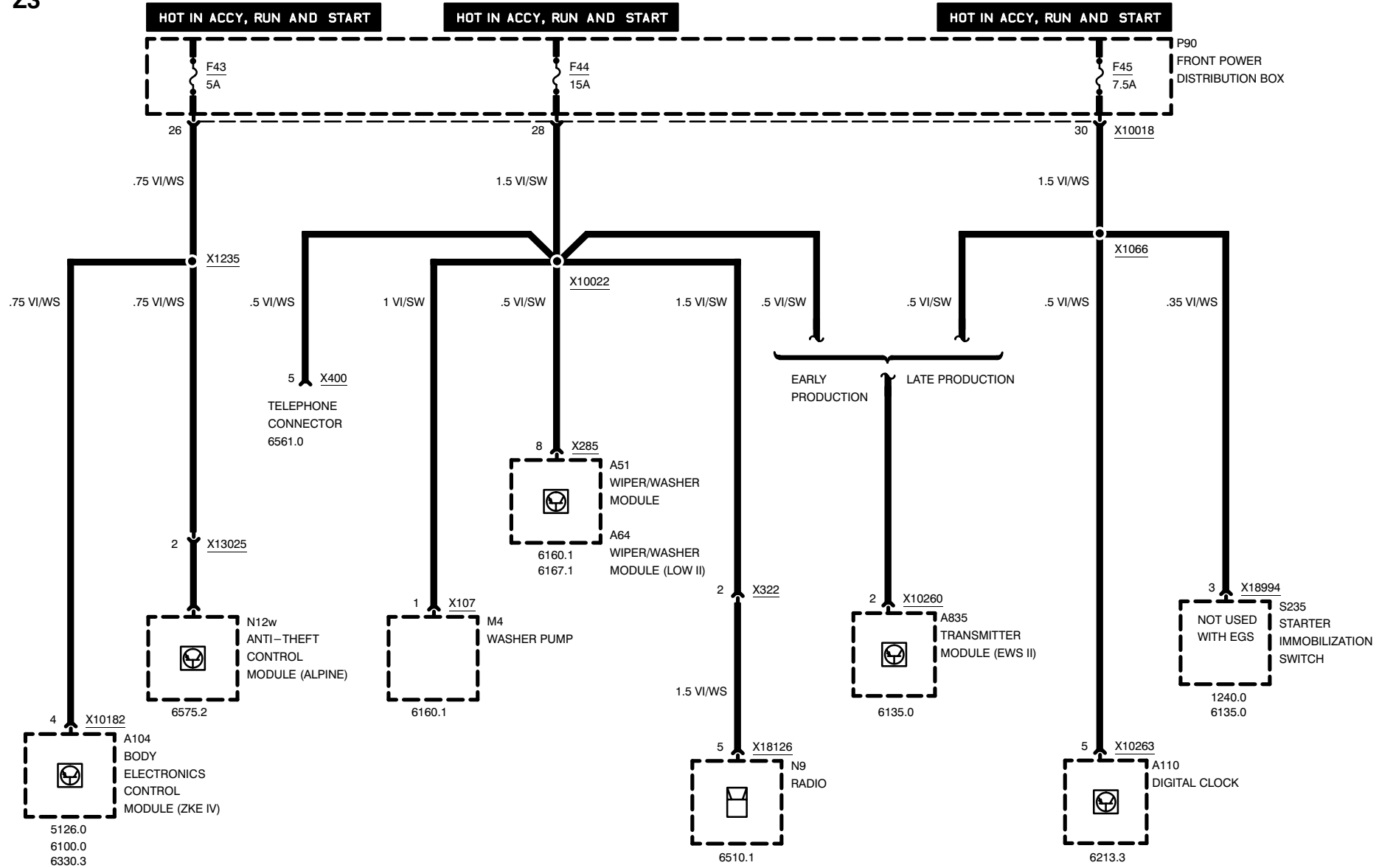
1997



# FUSE DETAILS

## FUSES 43, 44, AND 45

Z3



03/98

0670.3-12

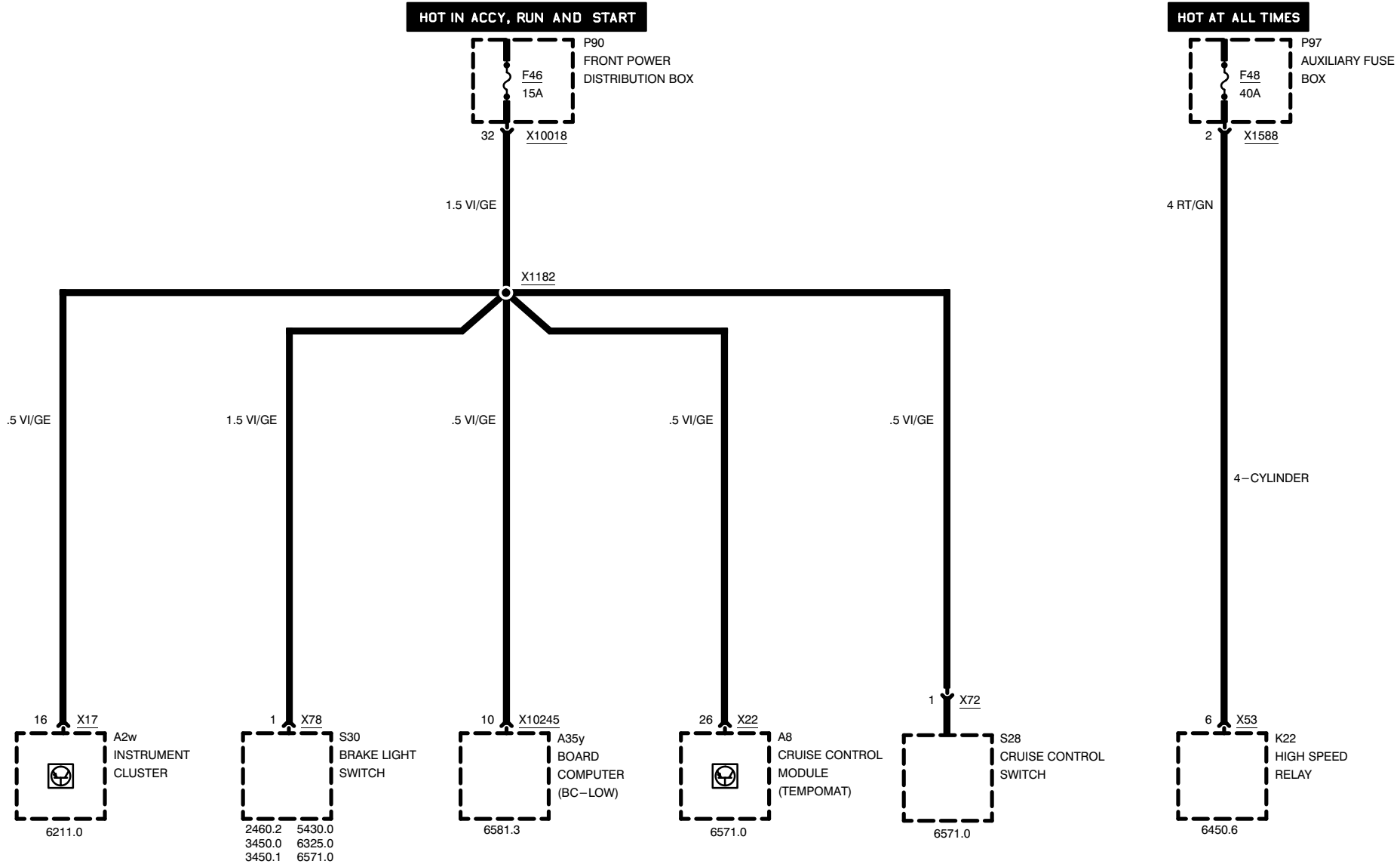
1997



# FUSE DETAILS

## FUSES 46 AND 48

Z3



03/98

0670.3-13

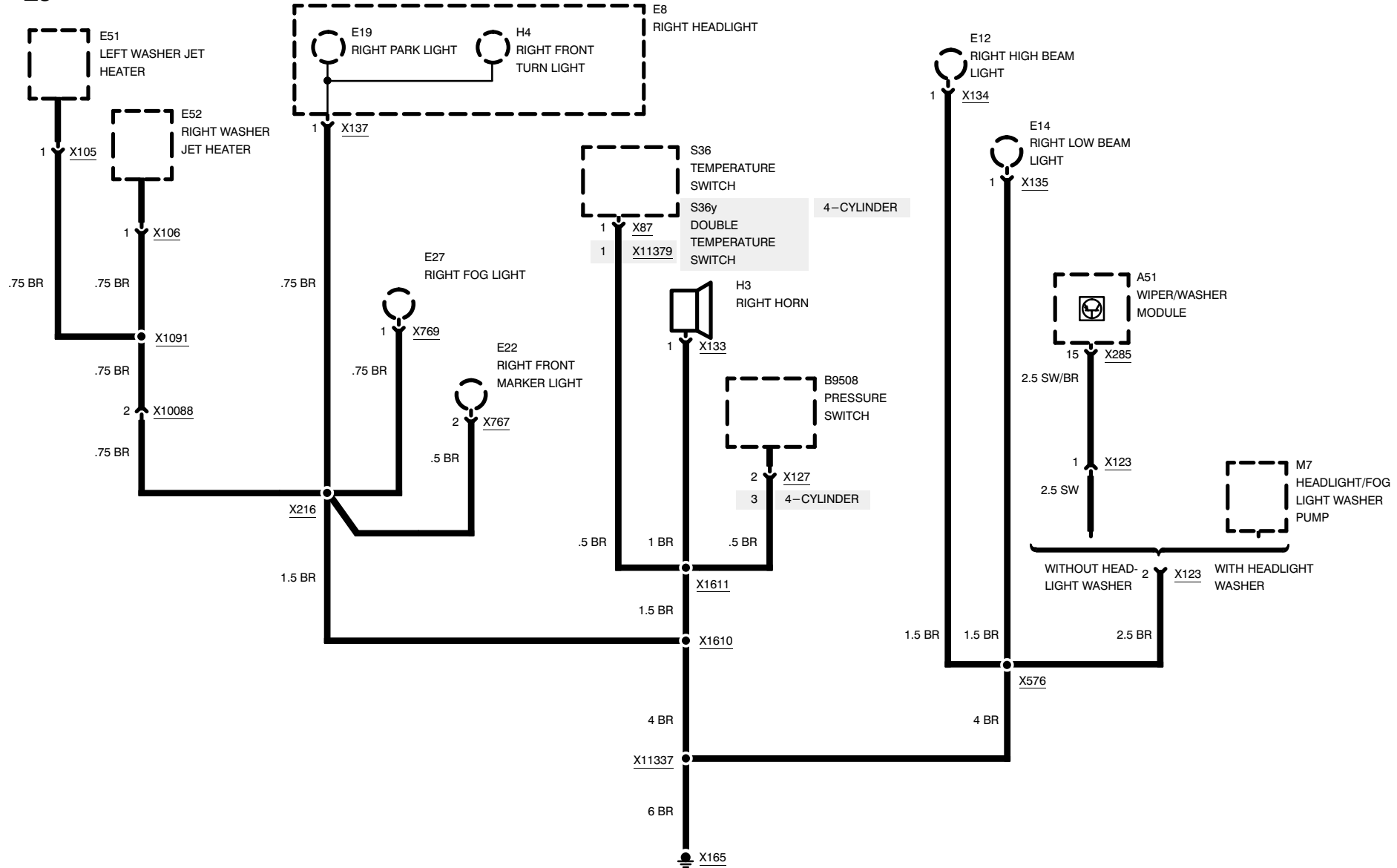
1997



# GROUND DISTRIBUTION

## GROUND X165

Z3



03/98

0670.4-00

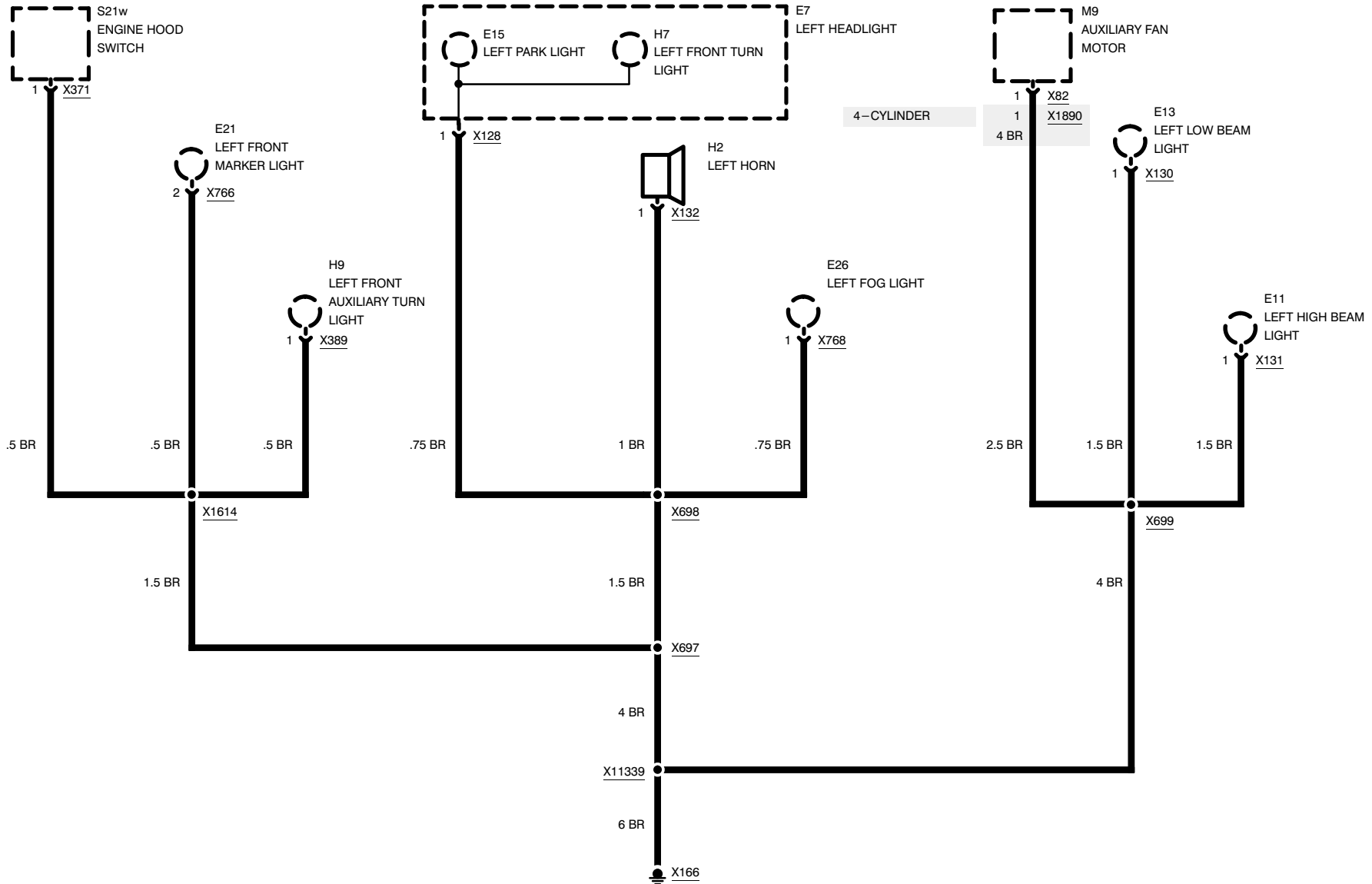
1997



# GROUND DISTRIBUTION

## GROUND X166

Z3



03/98

0670.4-01

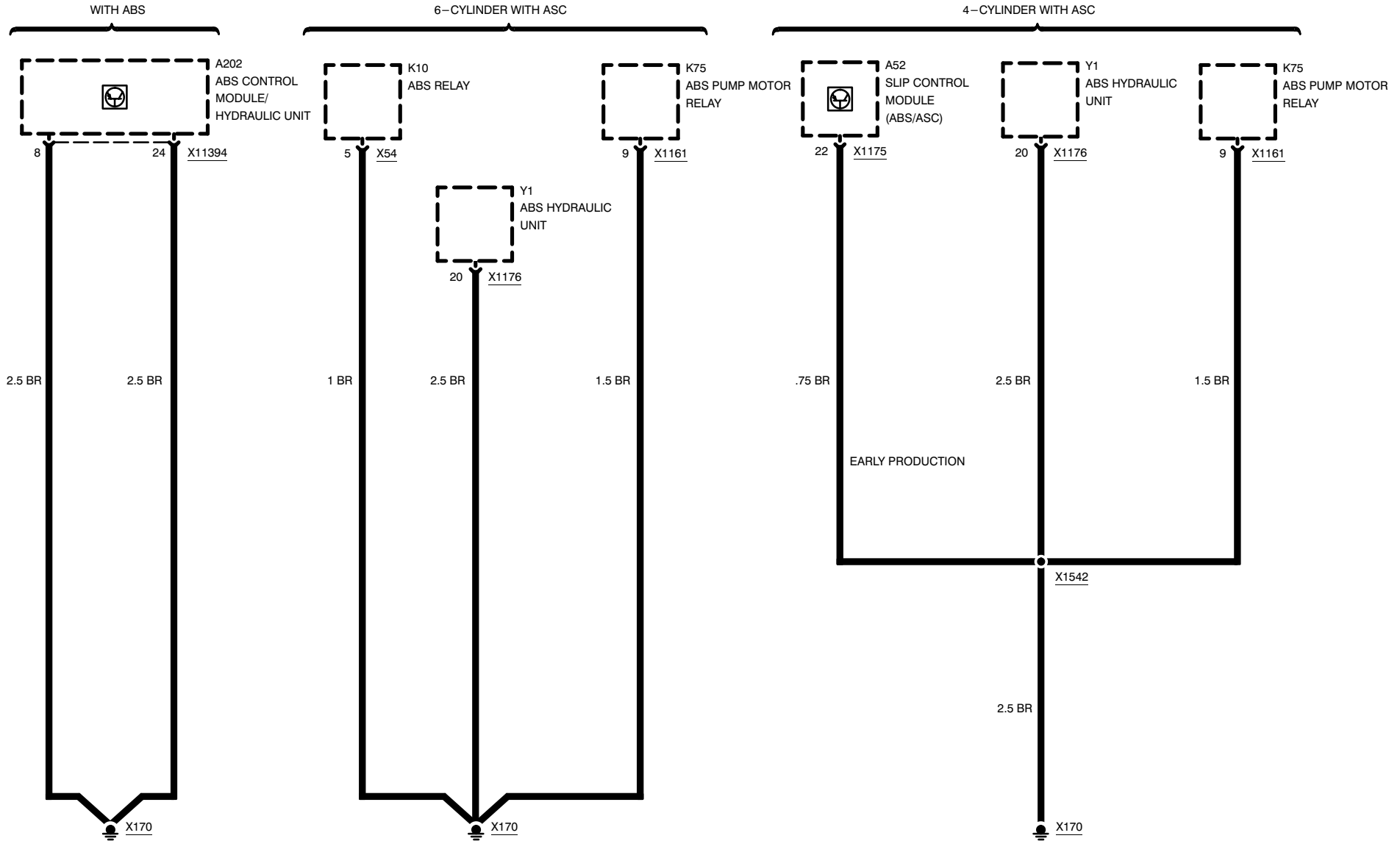
1997



# GROUND DISTRIBUTION

## GROUND X170

Z3



03/98

0670.4-02

1997

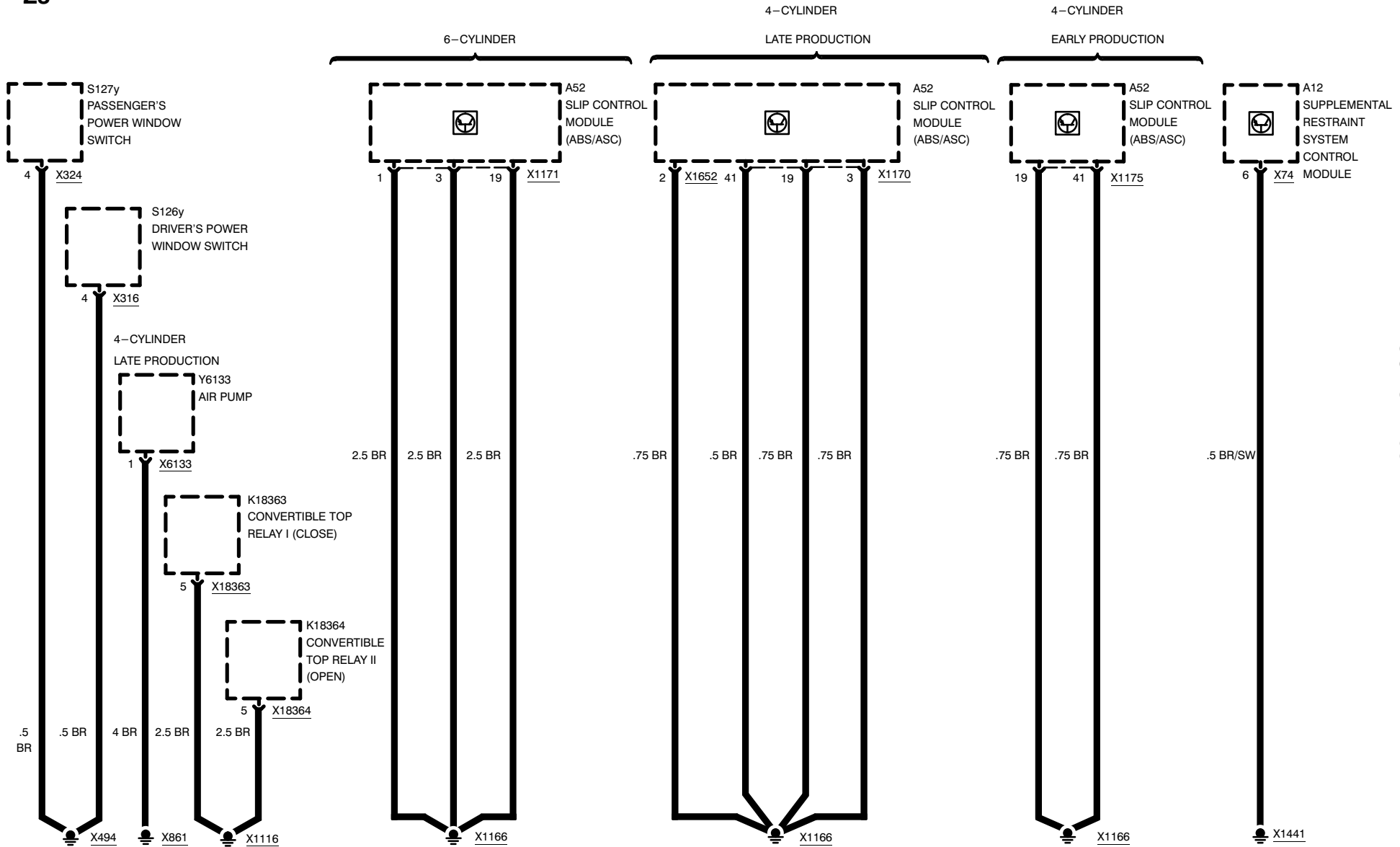




Z3

# GROUND DISTRIBUTION

## GROUNDS X494, X861, X1116, X1166, AND X1441



03/98

0670.4-03

1997

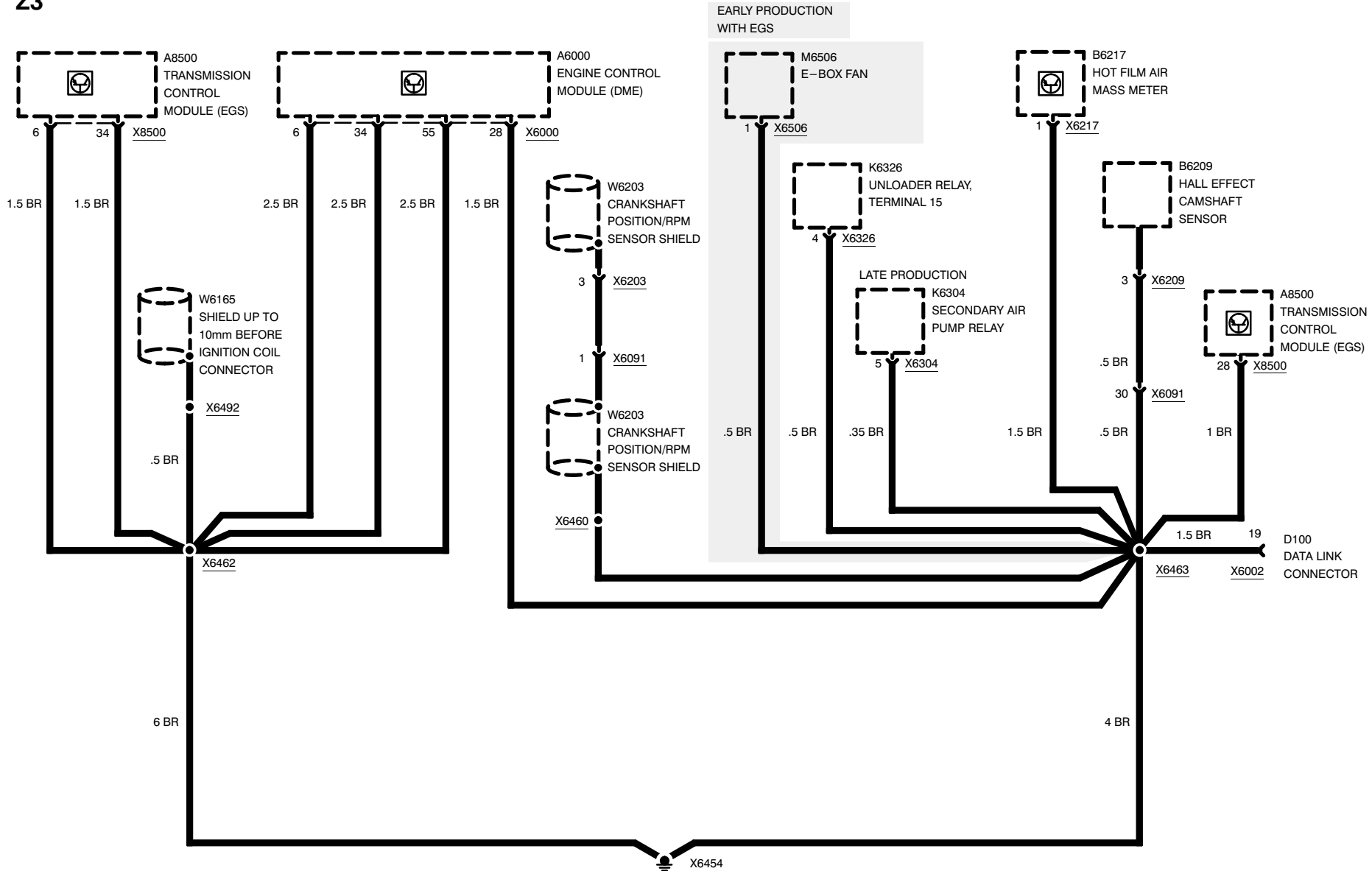


# GROUND DISTRIBUTION

## 4-CYLINDER

### GROUND X6454

Z3



03/98

0670.4-04

1997

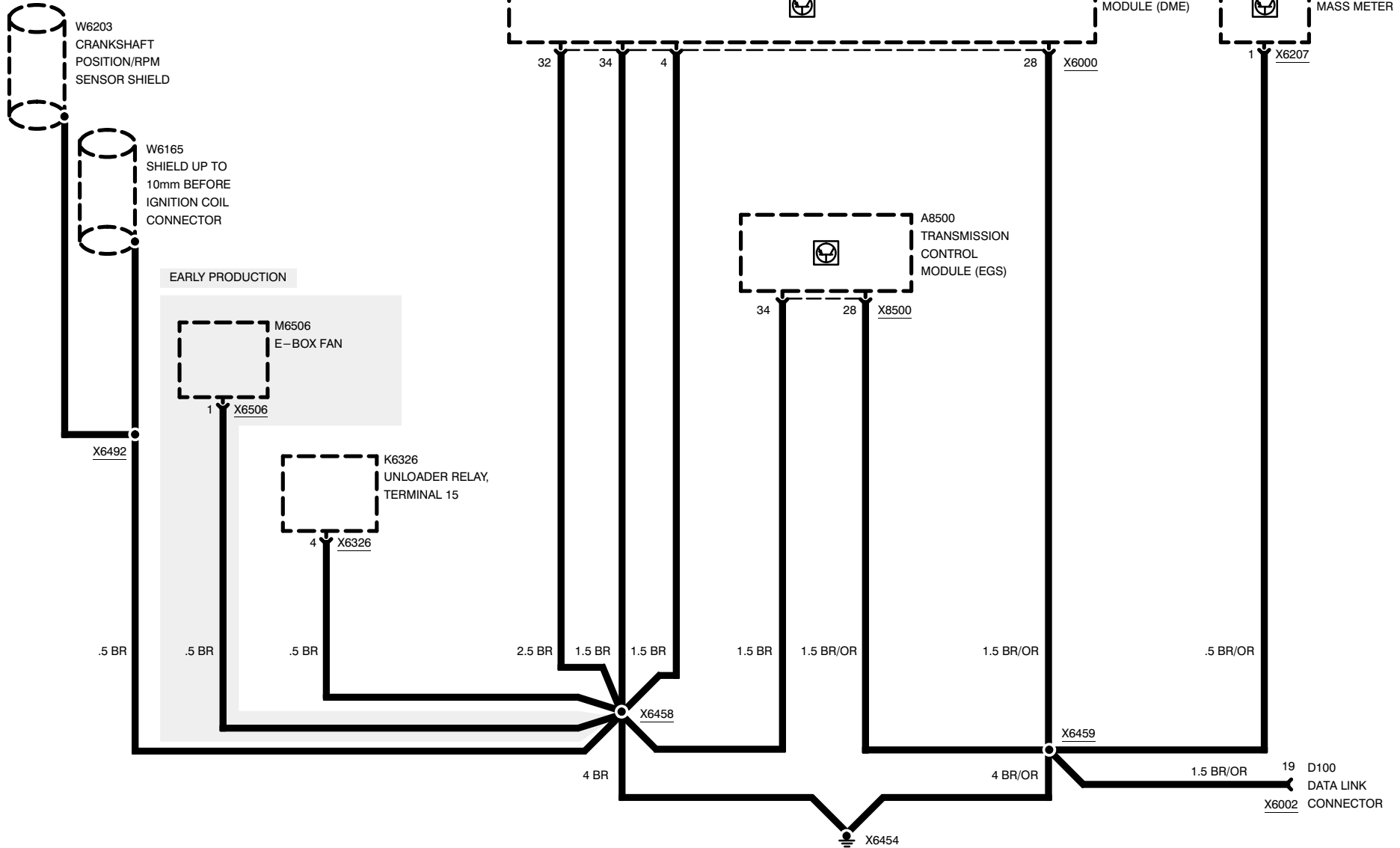


# GROUND DISTRIBUTION

## 6-CYLINDER

### GROUND X6454

Z3



03/98

0670.4-05

1997

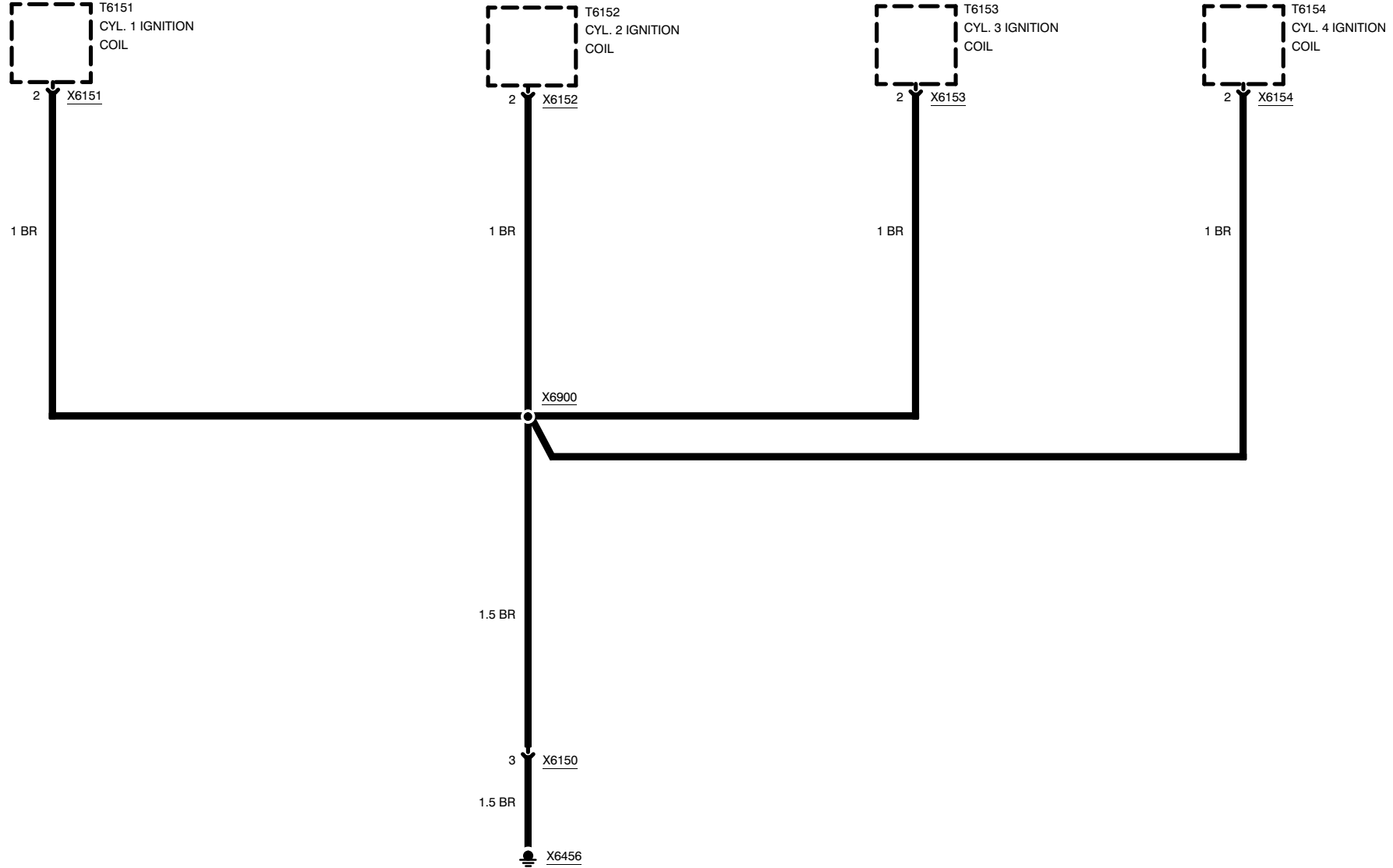


# GROUND DISTRIBUTION

4-CYLINDER

## GROUND X6456

Z3



03/98

0670.4-06

1997

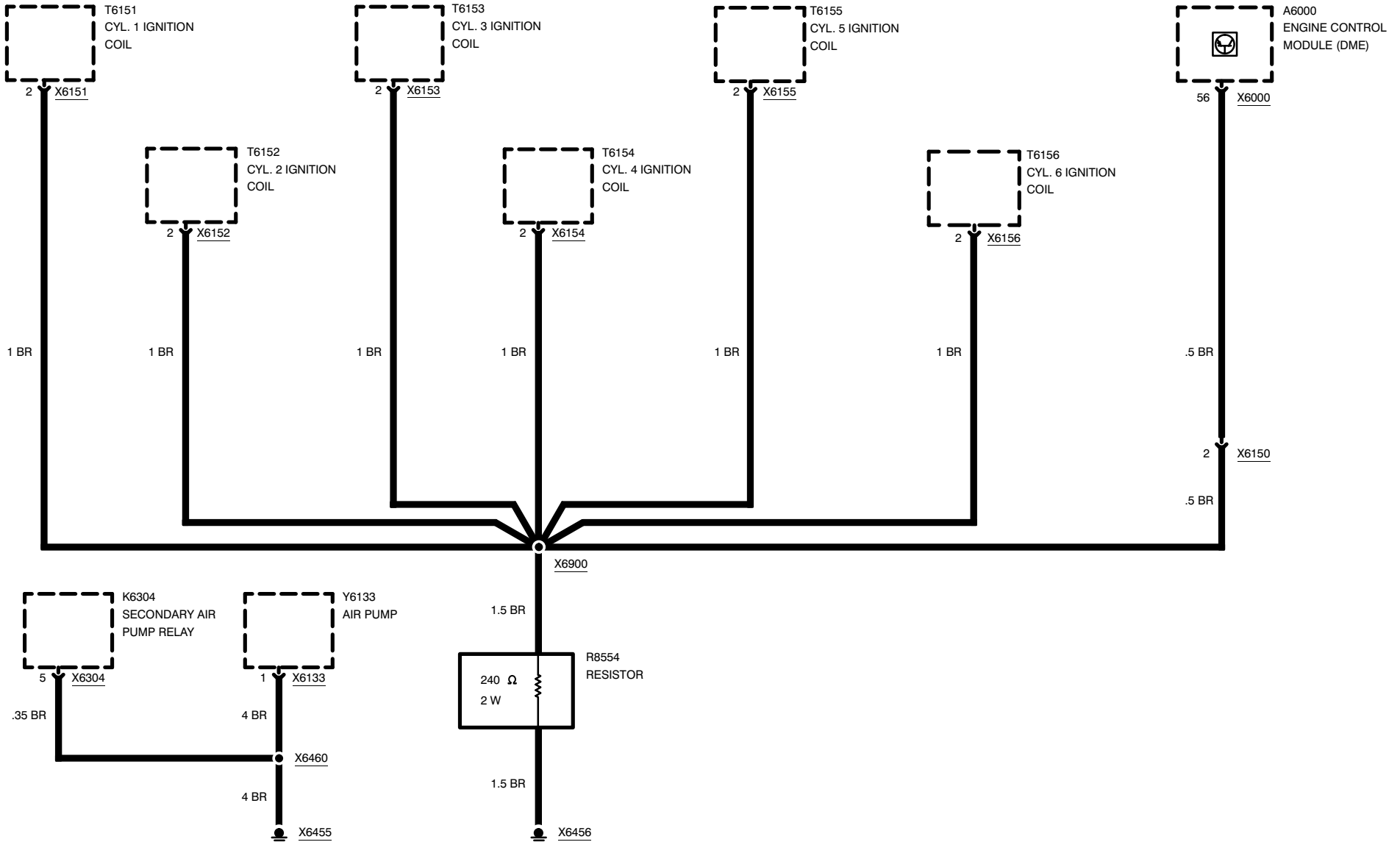


# GROUND DISTRIBUTION

## 6-CYLINDER

### GROUNDS X6455 AND X6456

Z3



03/98

0670.4-07

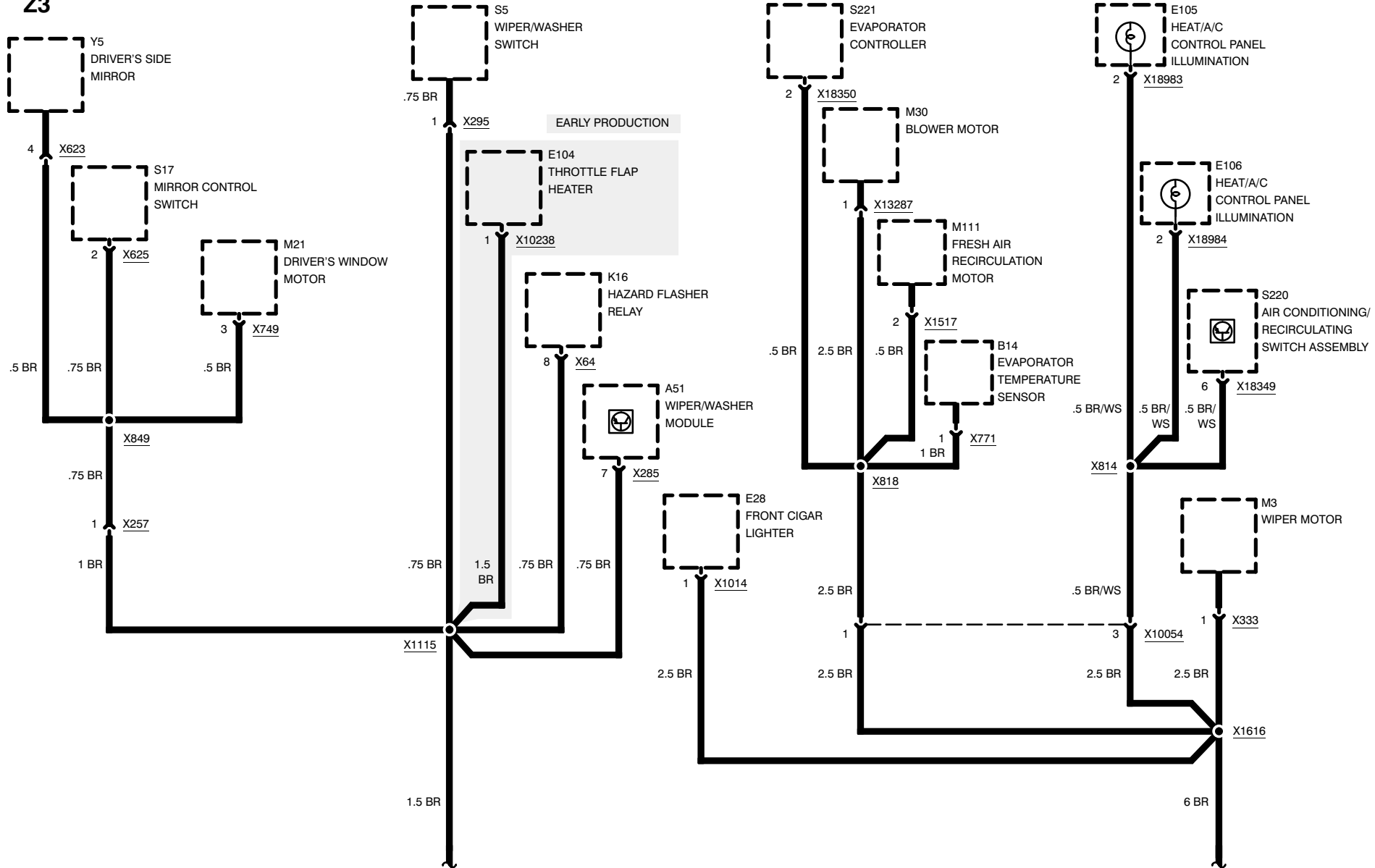
1997



# GROUND DISTRIBUTION

## GROUND X9633

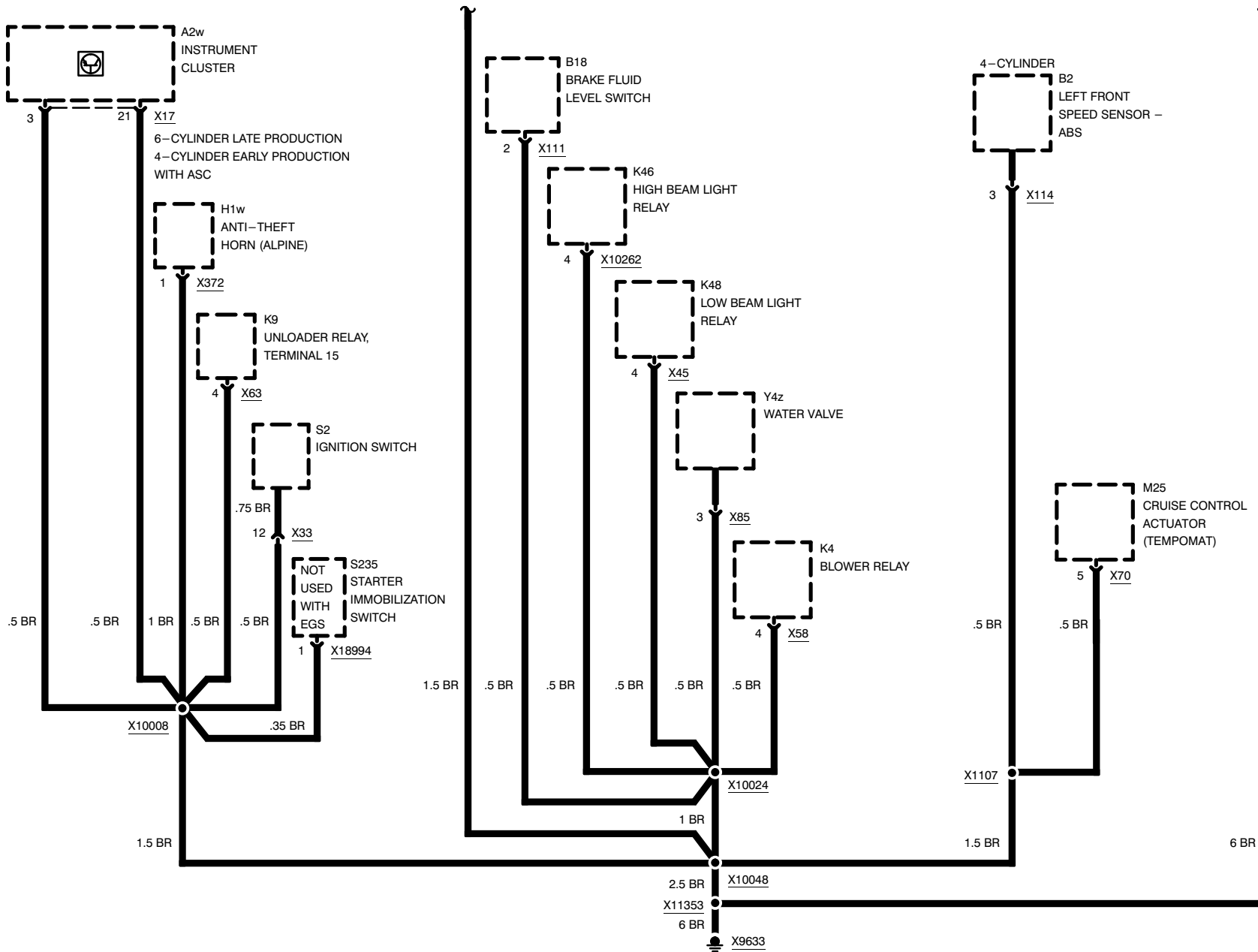
Z3



03/98

0670.4-08

1997

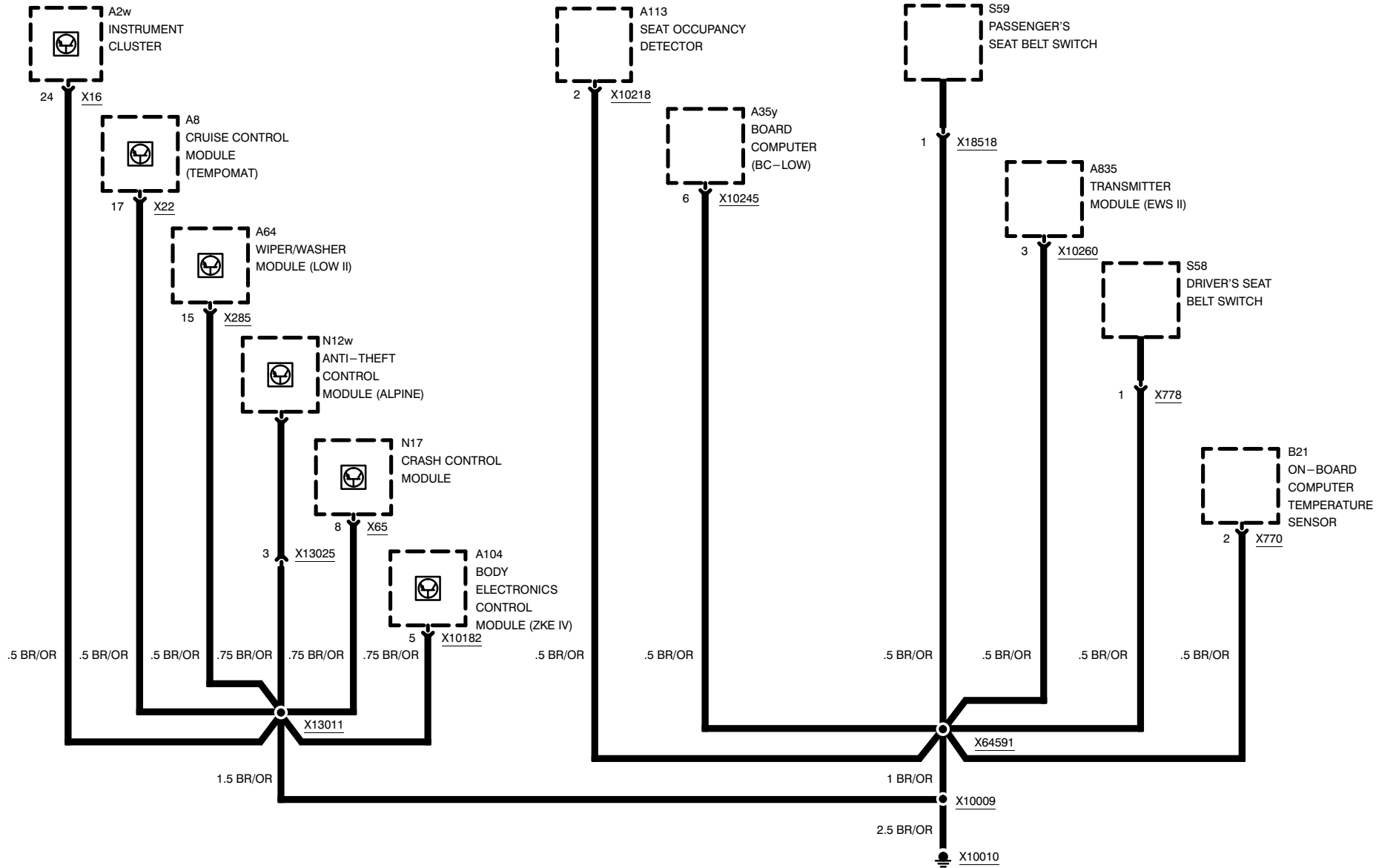




# GROUND DISTRIBUTION

## GROUND X10010

Z3



03/98

0670.4-10

1997

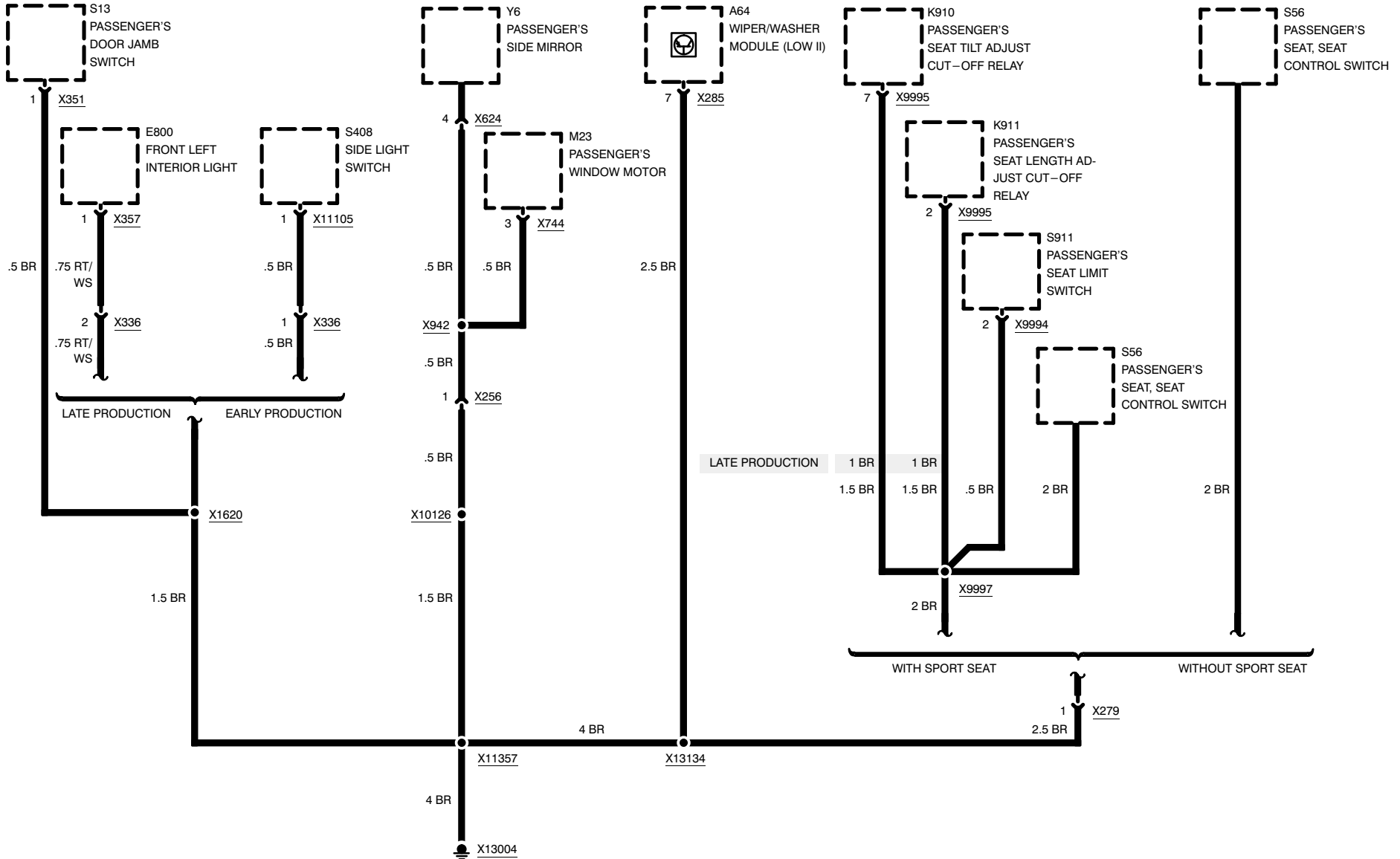




# GROUND DISTRIBUTION

## GROUND X13004

Z3



03/98

0670.4-11

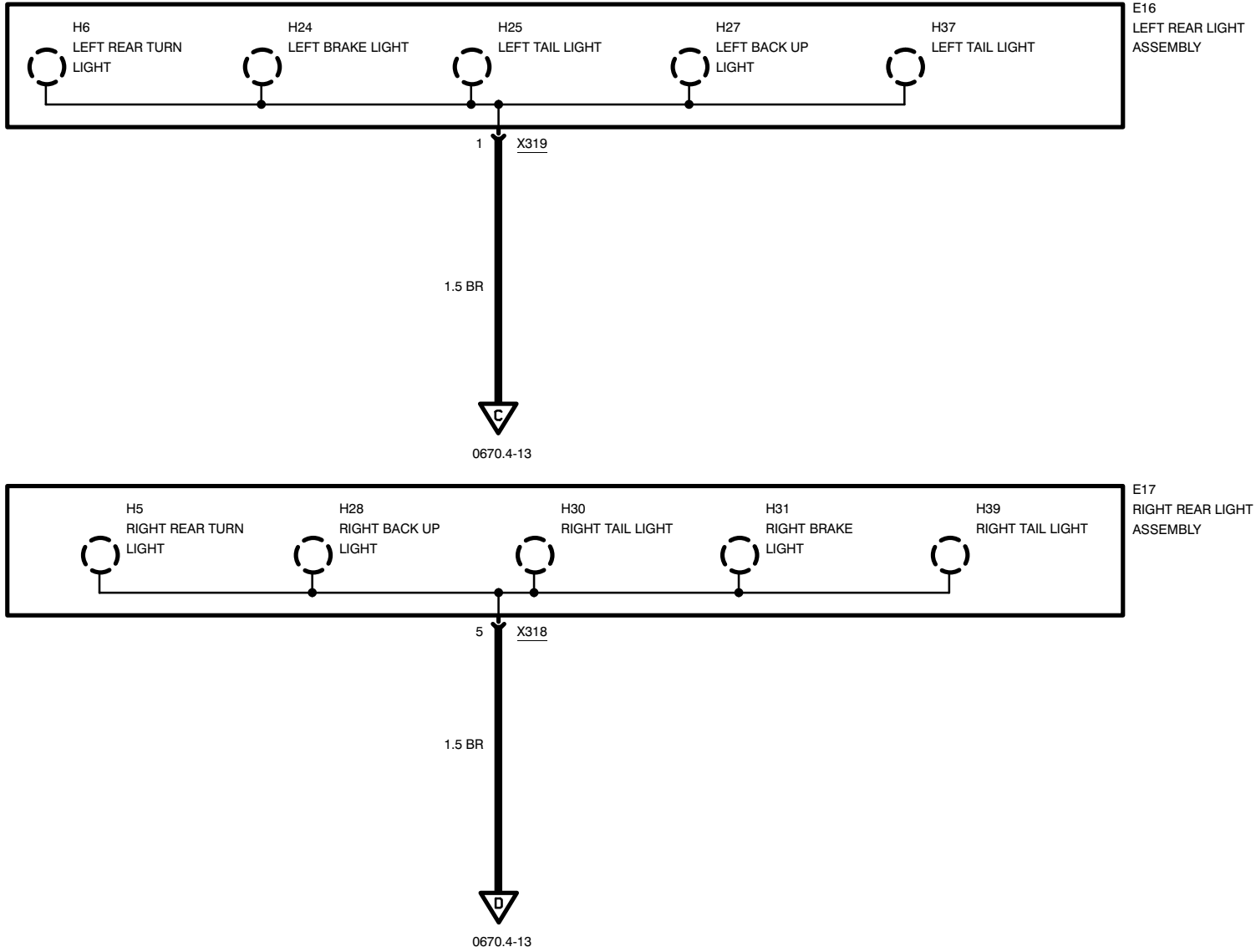
1997



Z3

# GROUND DISTRIBUTION

## GROUND X13006



03/98

0670.4-12

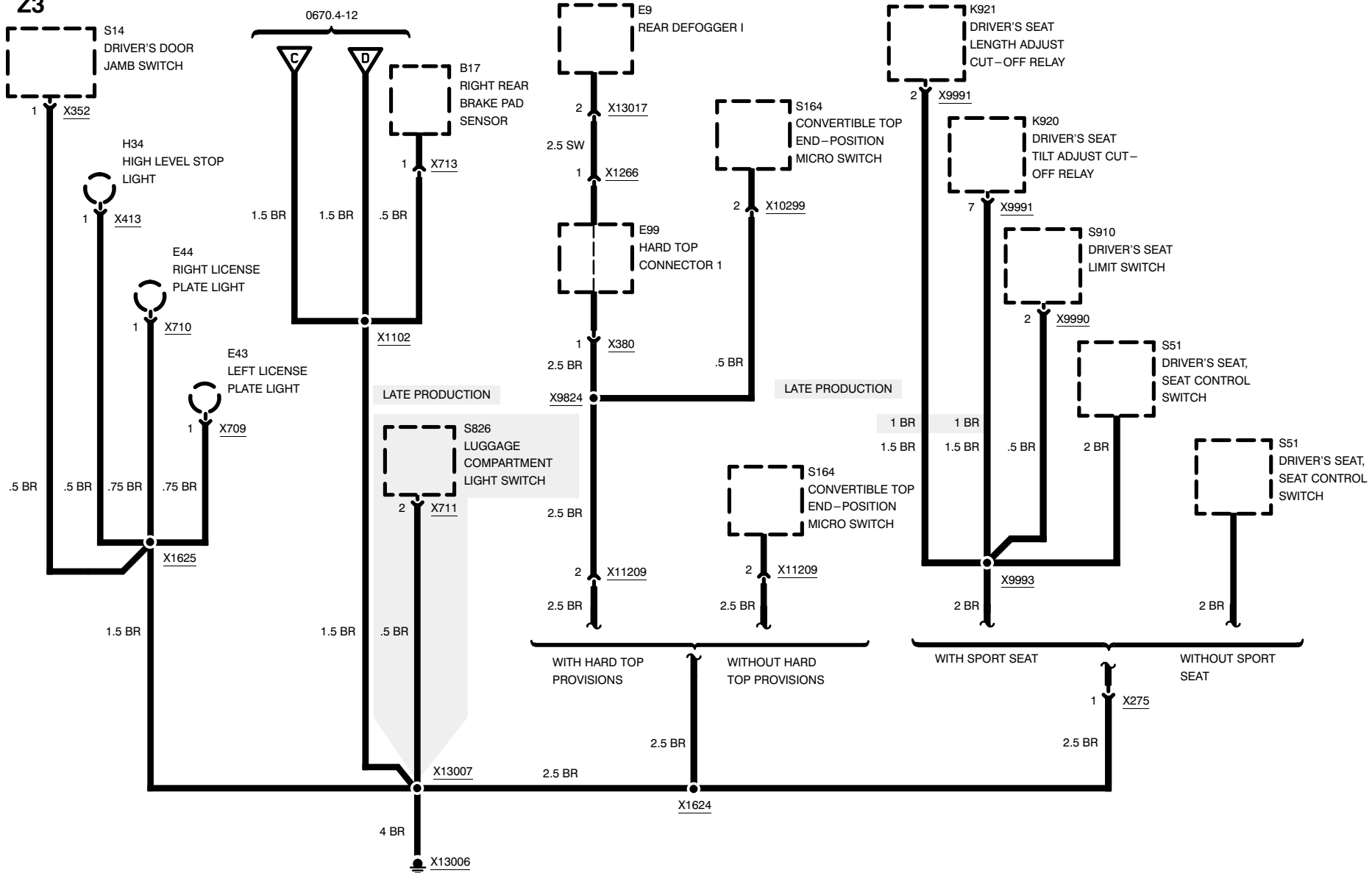
1997



# GROUND DISTRIBUTION

## GROUND X13006

Z3



03/98

0670.4-13

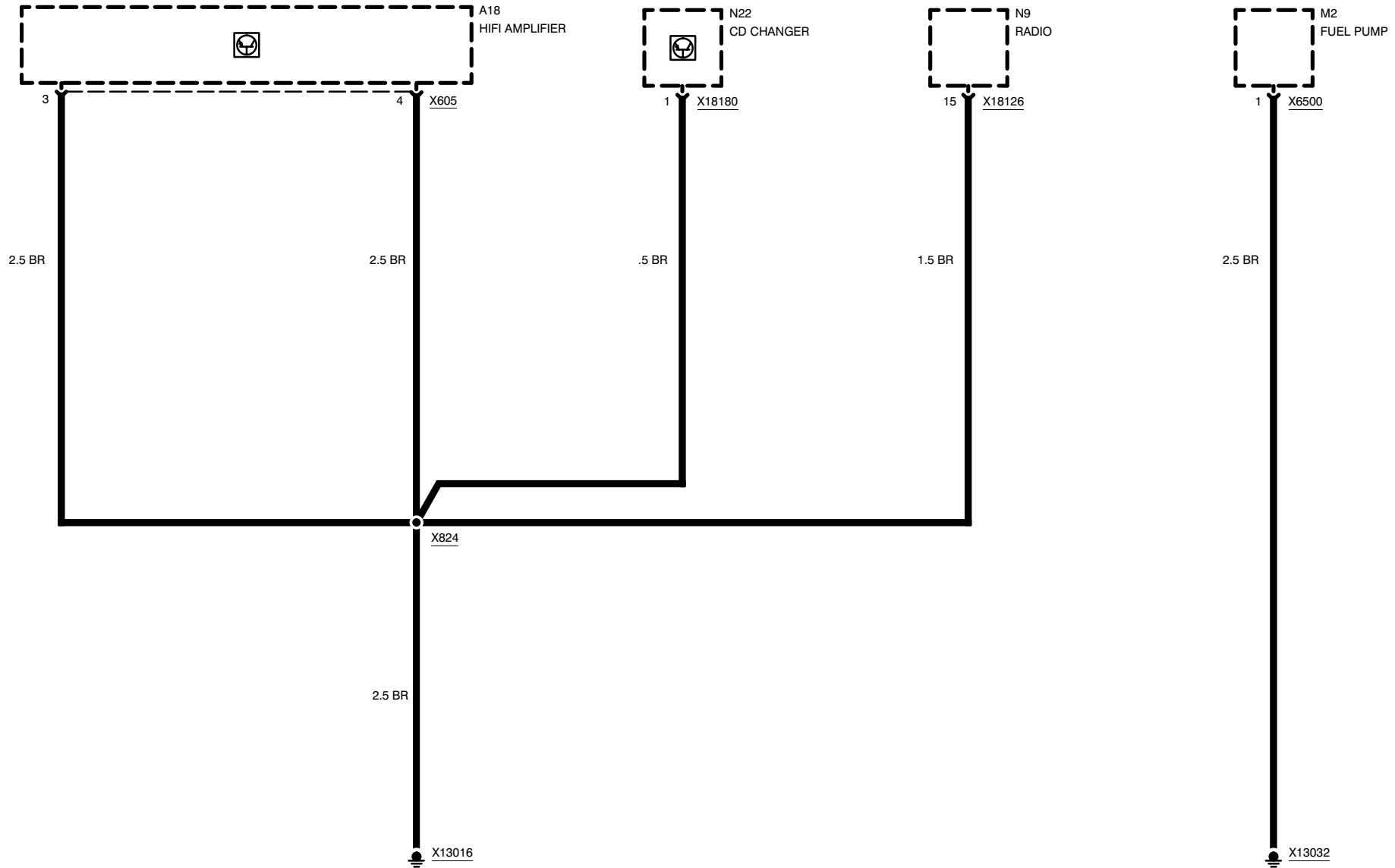
1997



# GROUND DISTRIBUTION

## GROUPS X13016 AND X13032

Z3



03/98

0670.4-14

1997

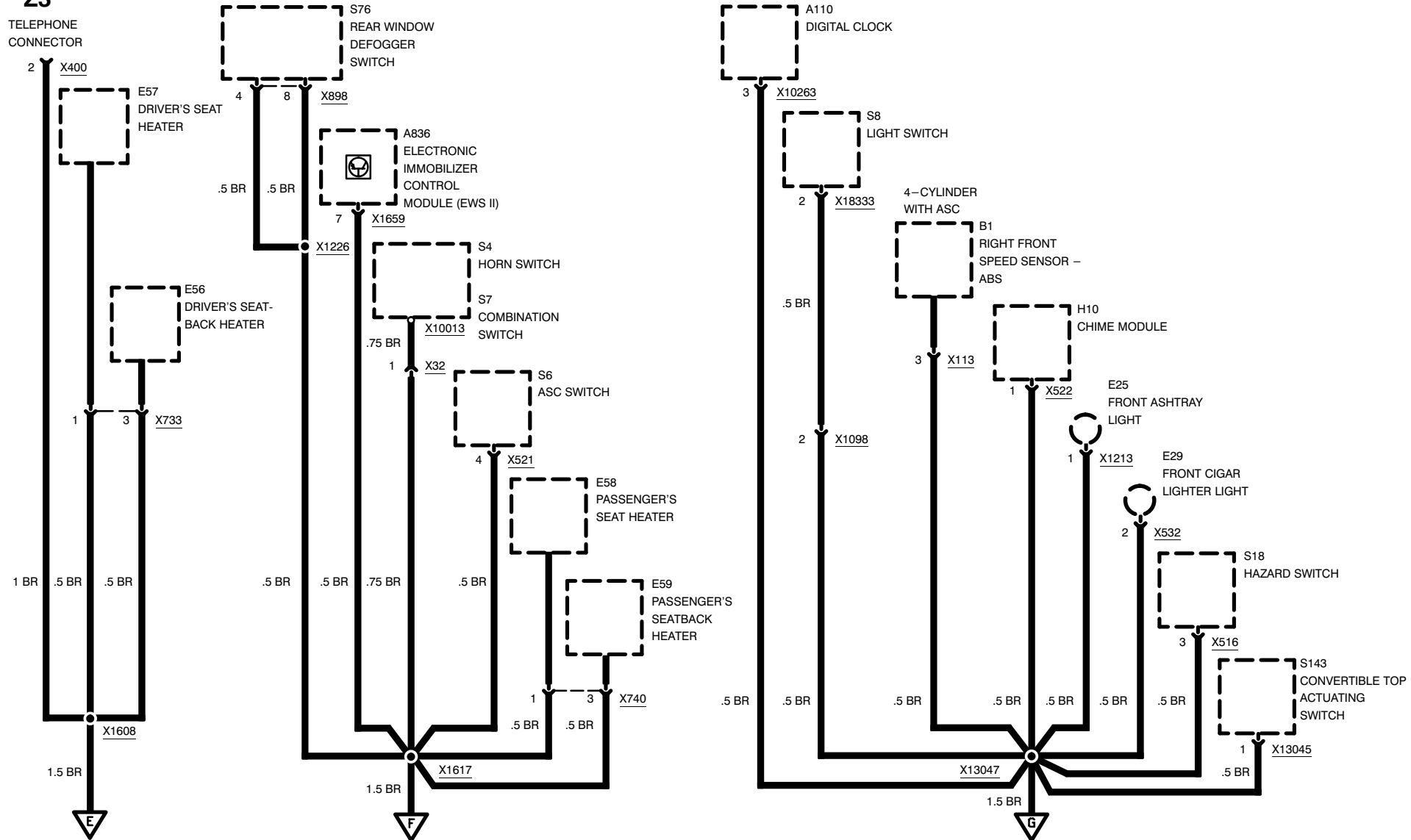


# GROUND DISTRIBUTION

## GROUND X18170

Z3

TELEPHONE CONNECTOR

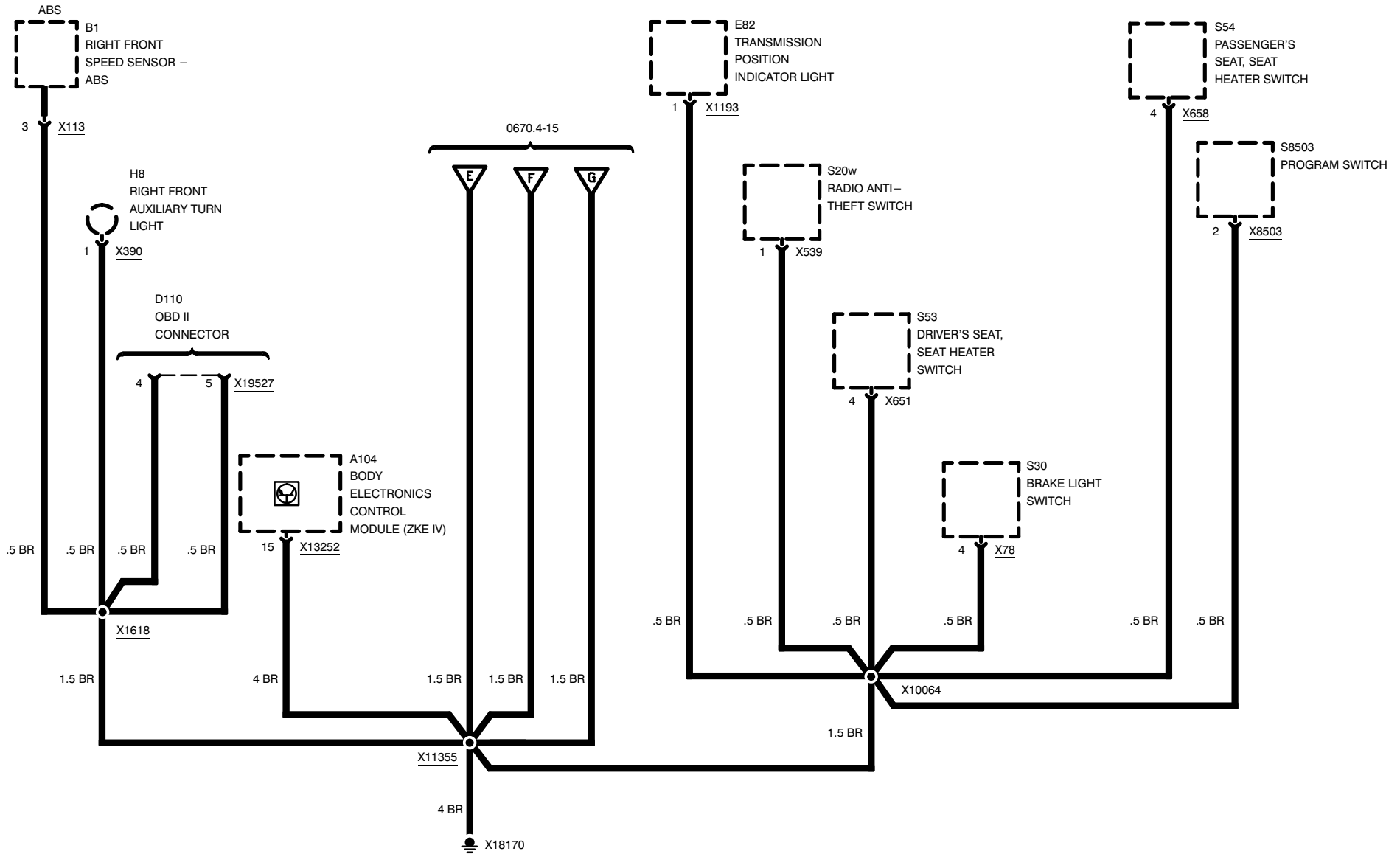




# GROUND DISTRIBUTION

## GROUND X18170

Z3



03/98

0670.4-16

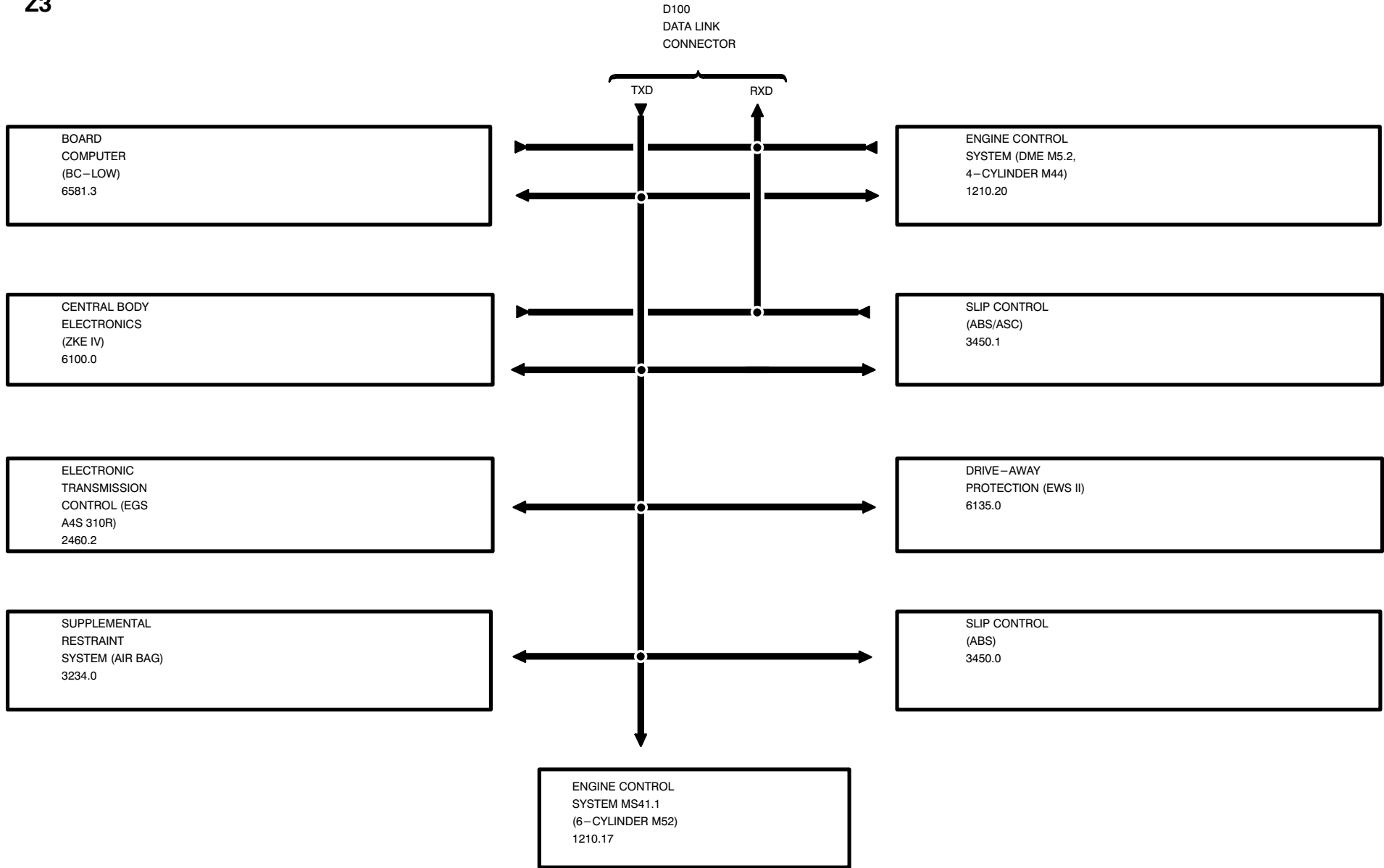
1997



# DATA LINK

## BLOCK DIAGRAM

Z3



03/98

0670.5-00

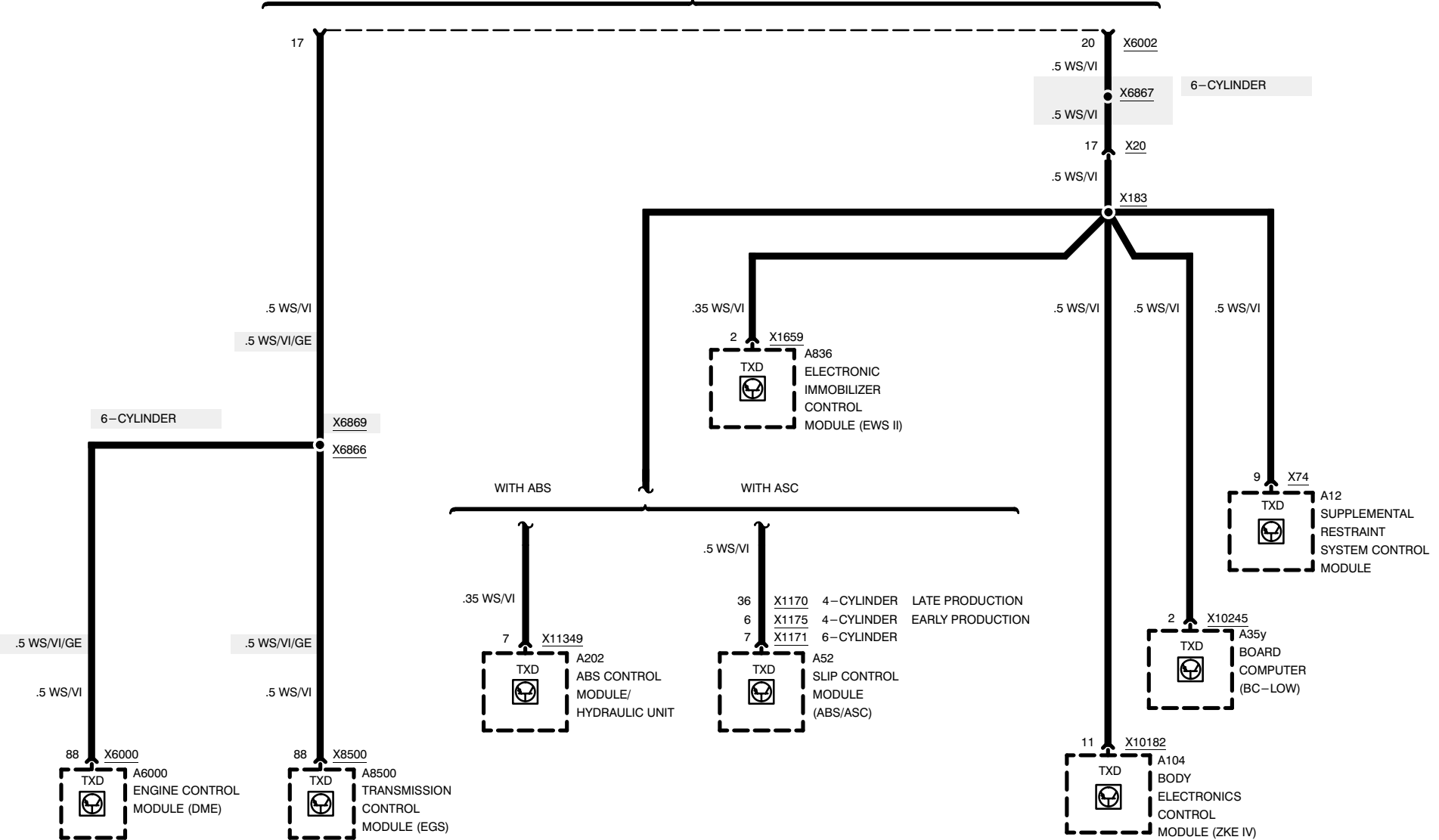
1997



# DATA LINK

TXD

D100  
DATA LINK  
CONNECTOR



03/98

0670.5-01

1997

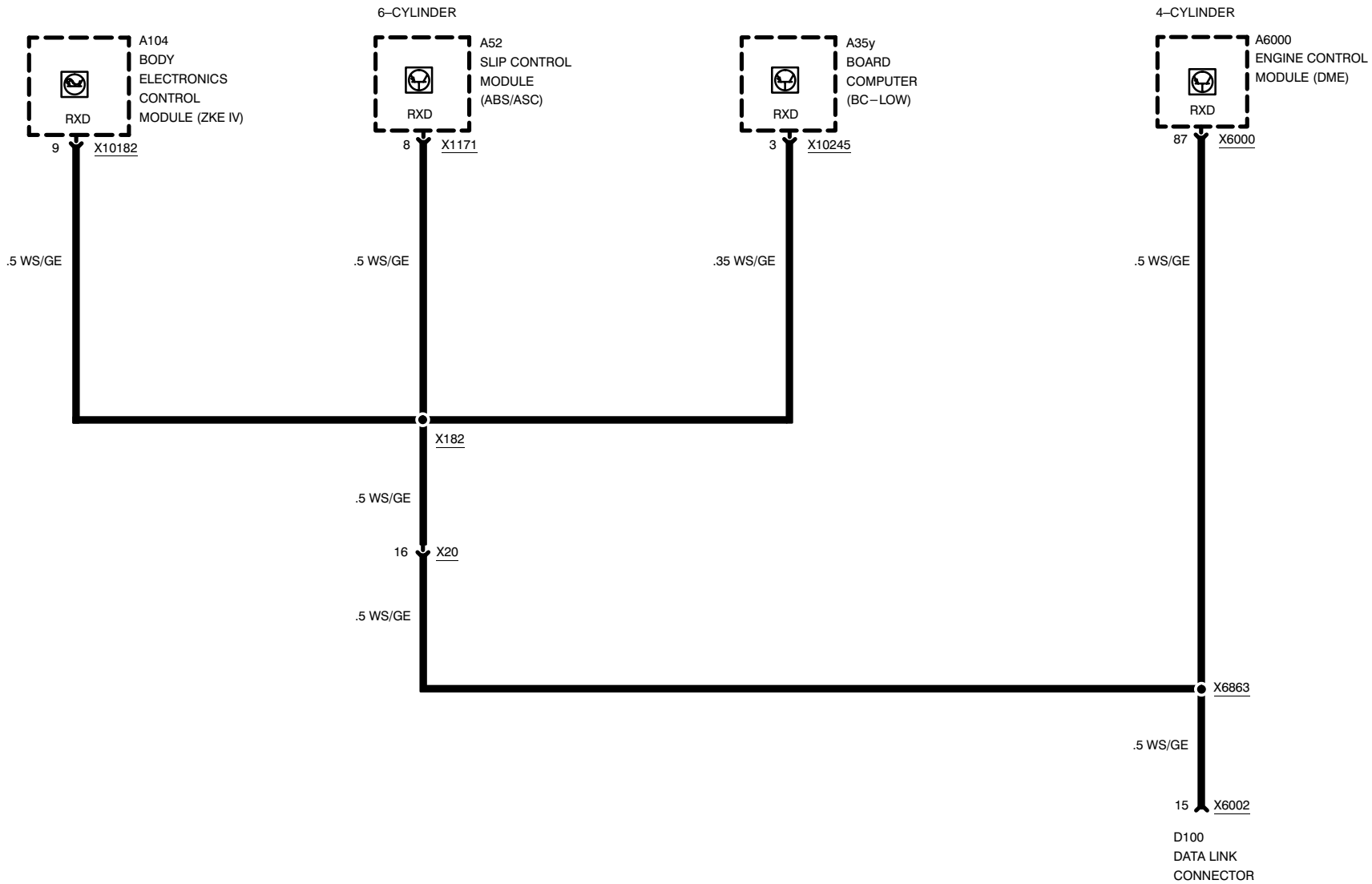




# DATA LINK

## RXD

### Z3



03/98

0670.5-02

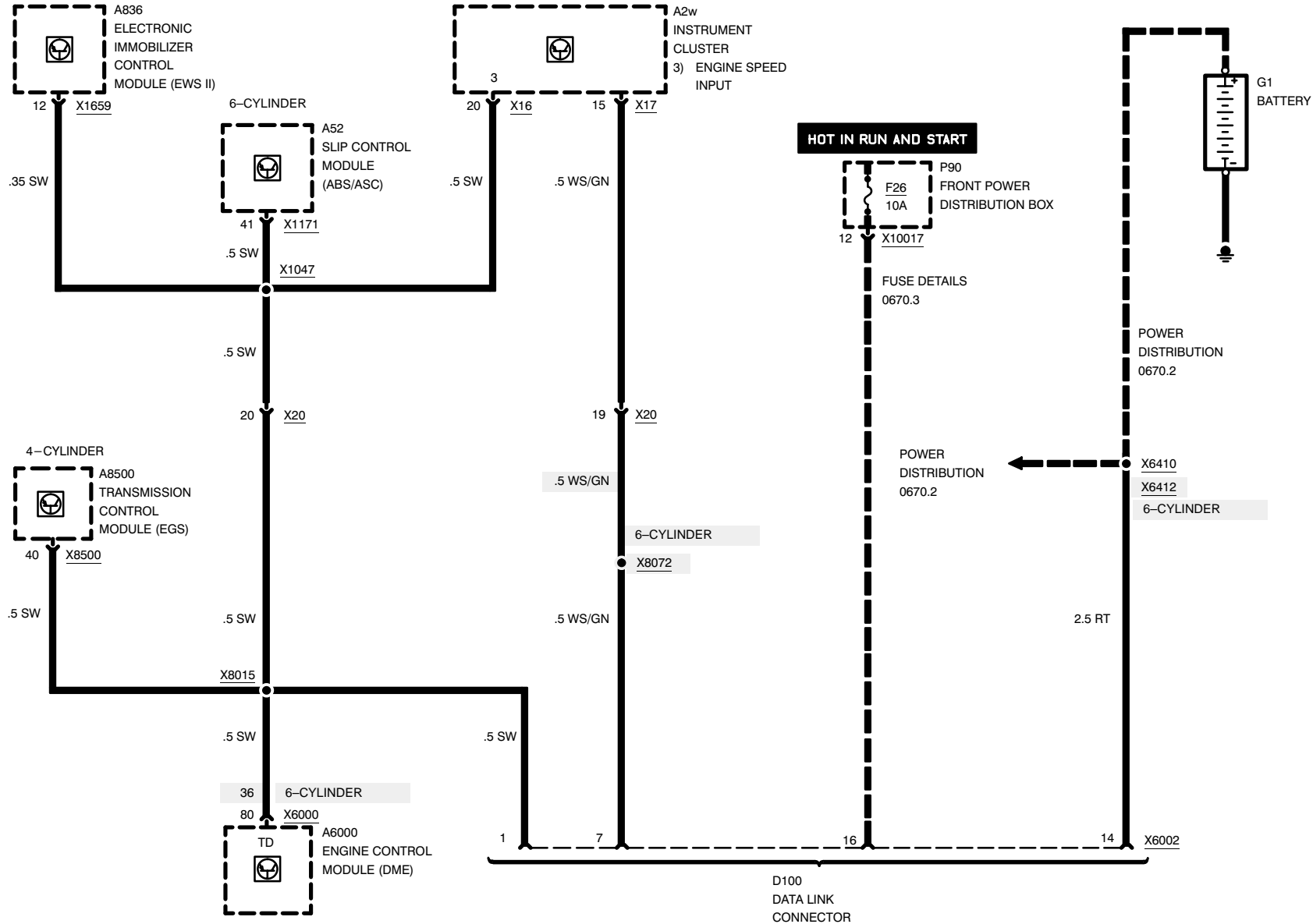
1997



# DATA LINK

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

Z3



03/98

0670.5-03

1997

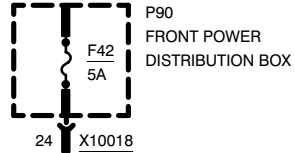


# DATA LINK

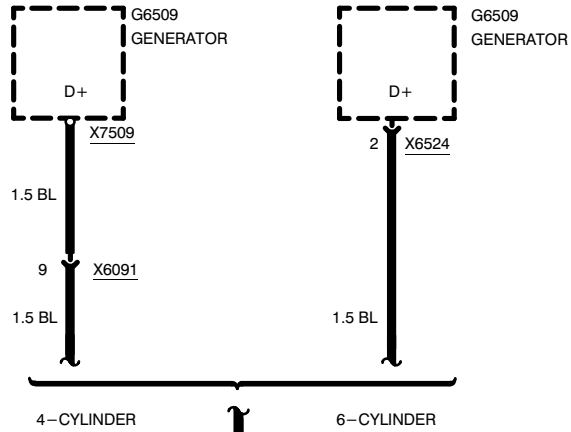
## DATA LINK CONNECTOR, PINS 4, 12, 18, AND 19

Z3

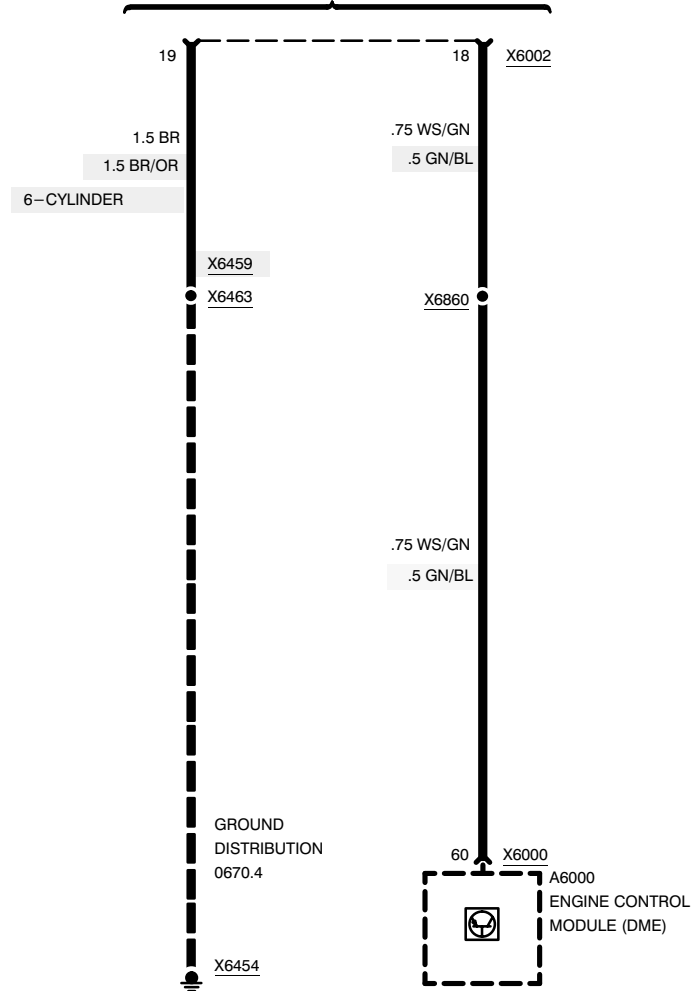
HOT IN ACCY, RUN AND START



FUSE DETAILS  
0670.3



D100  
DATA LINK  
CONNECTOR



03/98

0670.5-04

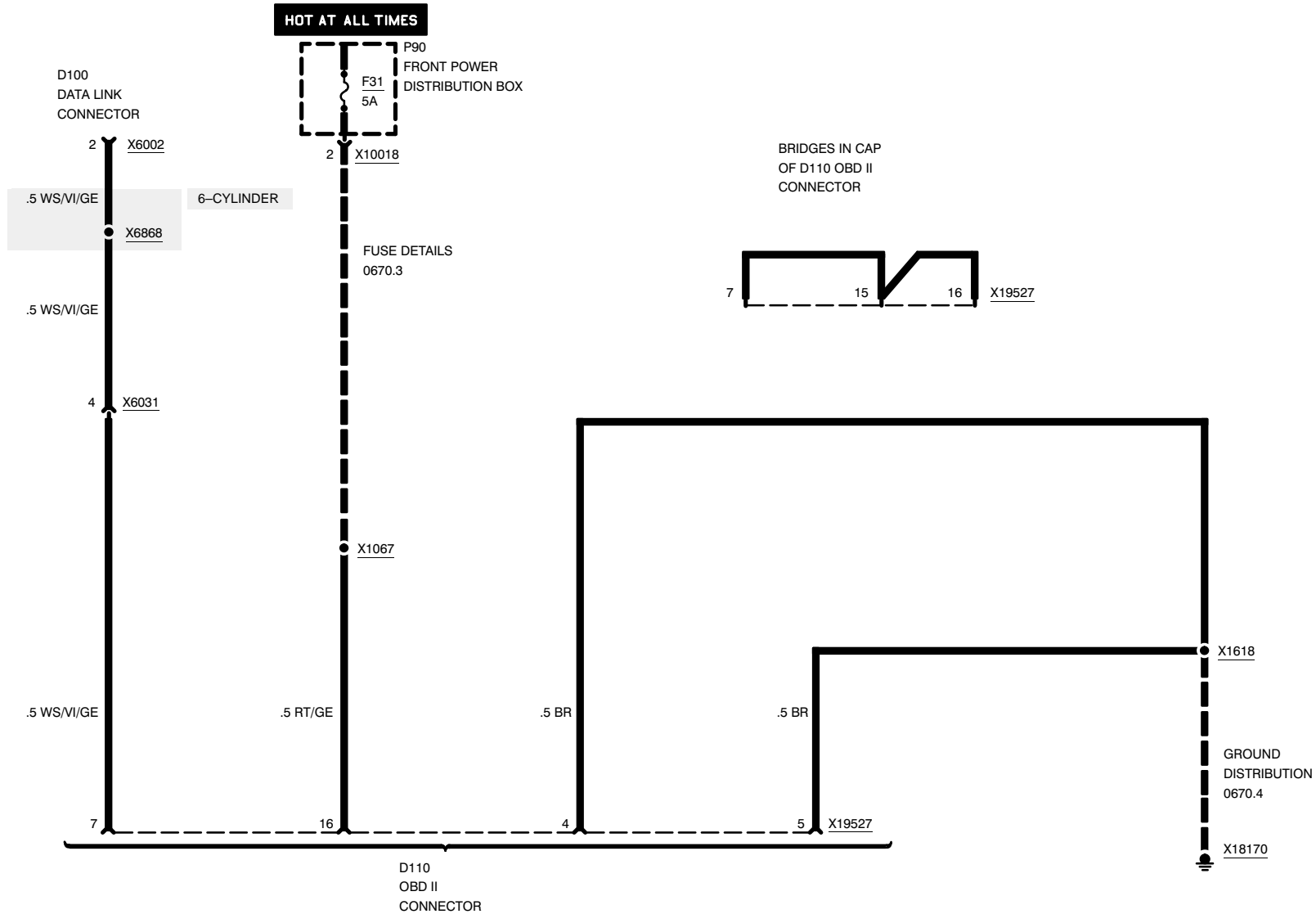
1997



Z3

# DATA LINK

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



03/98

0670.5-05

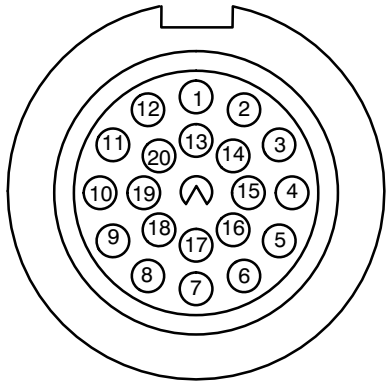
1997



# DATA LINK

## DATA LINK CONNECTOR (X6002)

Z3

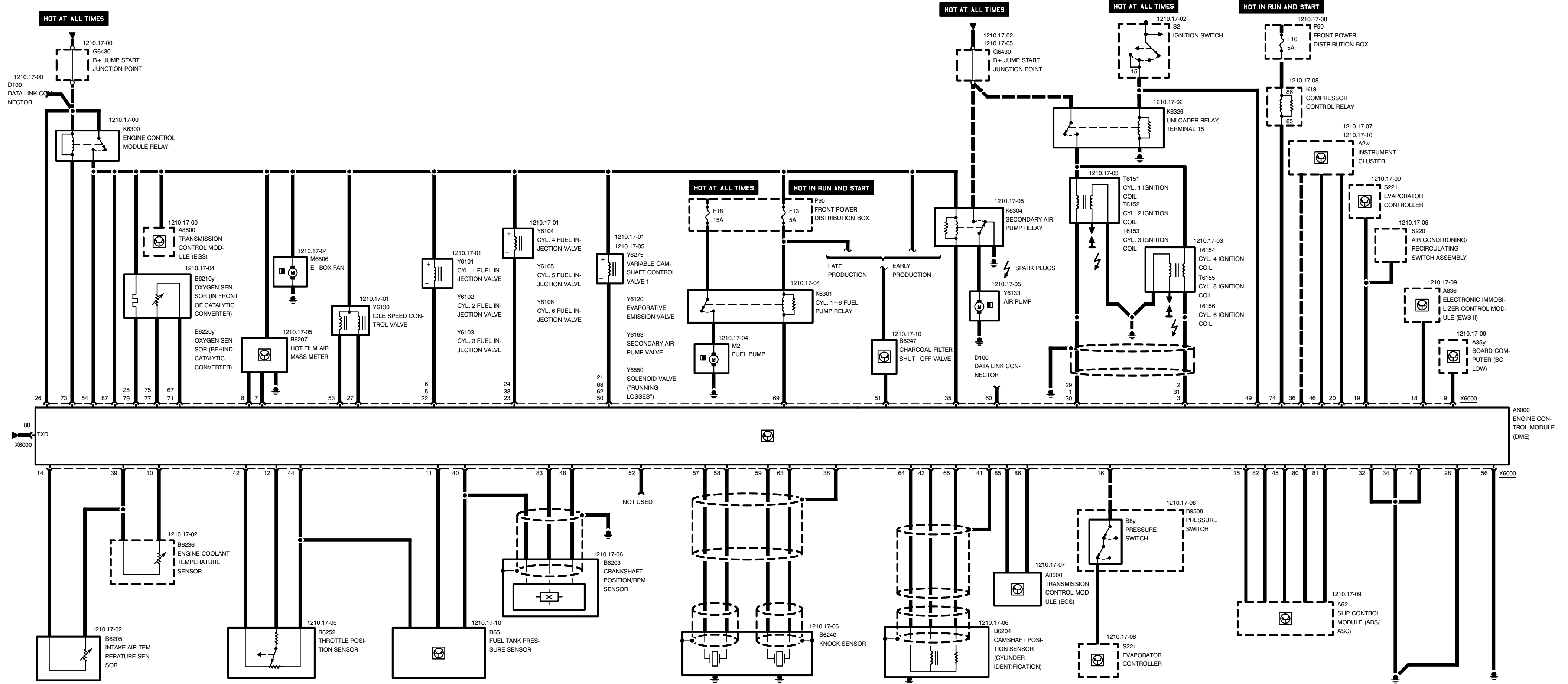


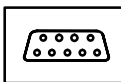
BRIDGES IN CAP OF D100 DATA LINK CONNECTOR



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

\* 6-CYLINDER



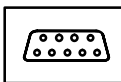


## Pin Assignments

### 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)	Board computer
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 II)
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 (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

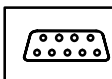


## Pin Assignments

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	A	Voltage supply	Crankshaft position/RPM sensor
49	E	Terminal 15	Ignition switch
50	A	Running losses	Solenoid valve
51	A	Activate valve	Charcoal filter shut off valve
52	A	Signal exhaust flap	Not used
53	A	Activate valve	Idle speed control valve
54	E	Battery voltage, terminal 87	Engine control module relay
55		Not used	
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
60	E	Programming voltage	Data link connector

E = Input, A = Output, M = Ground





## Pin Assignments

Pin	Type	Description/Function	Connection
61		Not used	
62	E	Activate valve	Secondary air pump valve
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 (in front of catalytic converter)
68	E	Activate valve	Evaporative emission valve
69	E	Activate relay	Fuel pump relay
70		Not used	
71	M	Oxygen sensor signal ground	Oxygen sensor (behind catalytic converter)
72		Not used	
73	E	Activate relay	Engine control module relay
74	A	Activate A/C compressor	Compressor control relay
75	E	Sensor signal	Oxygen sensor (in front of catalytic converter)
76		Not used	
77	E	Sensor signal	Oxygen sensor (behind catalytic converter)
78		Not used	
79	M	Oxygen sensor heating ground	Oxygen sensor (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	
85	E/A	CAN LOW	Transmission control module EGS
86	E/A	CAN HIGH	Transmission control module EGS
87	E	Battery voltage, terminal 87	Engine control module relay
88	E/A	TxD diagnosis data link	Data link connector

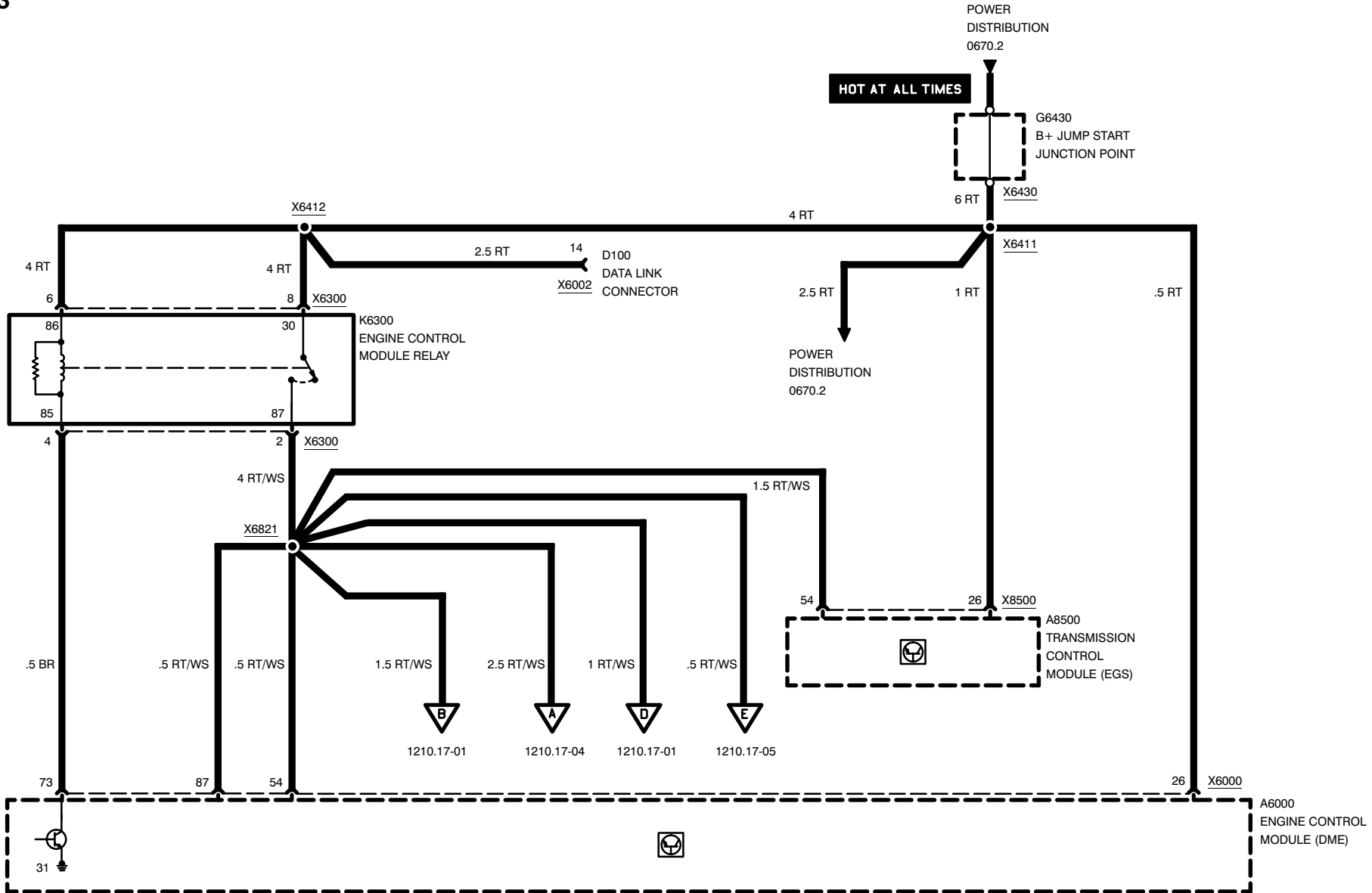
E = Input, A = Output, M = Ground



# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)

## POWER

Z3



03/98

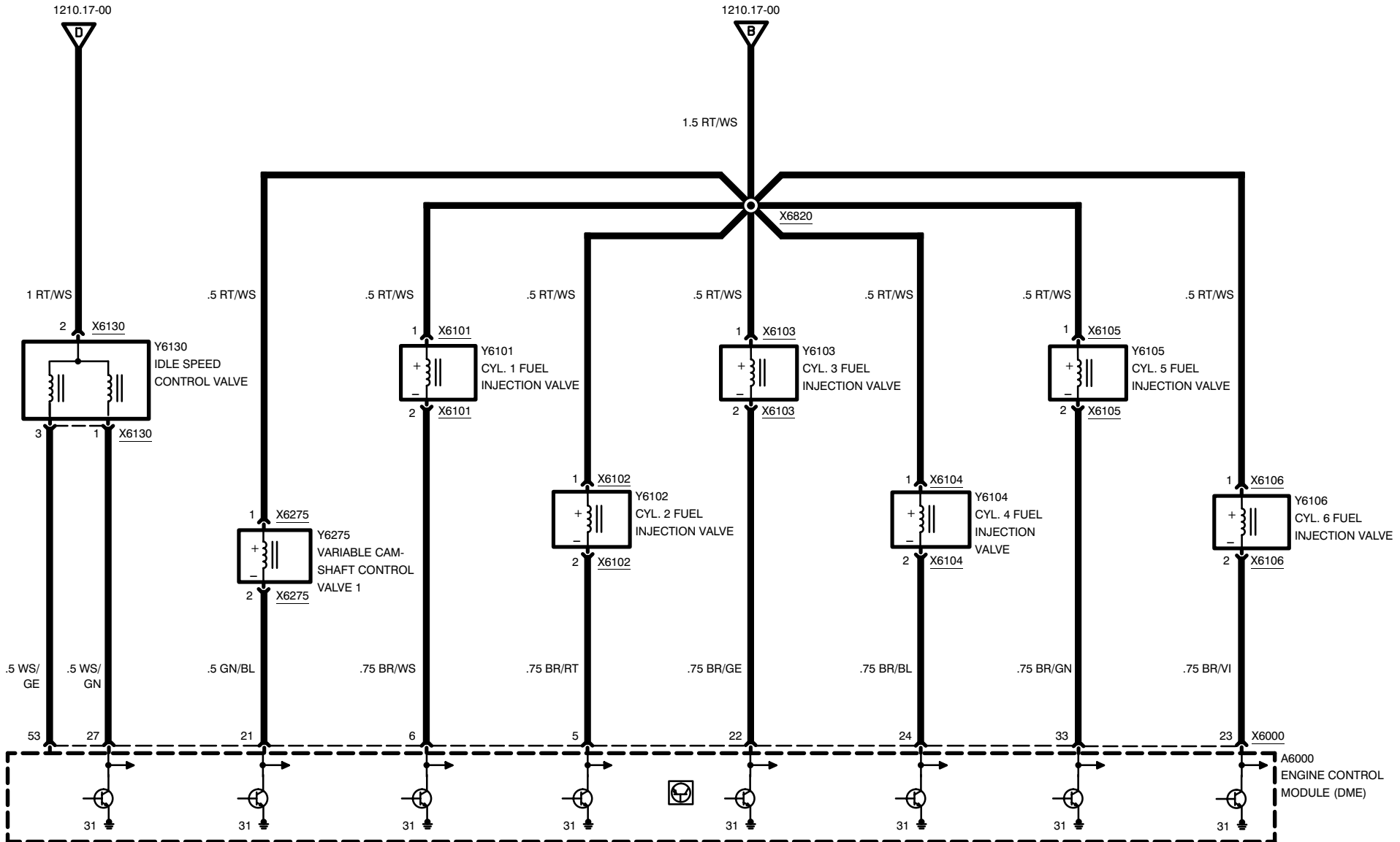
1210.17-00

1997



# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)

Z3



03/98

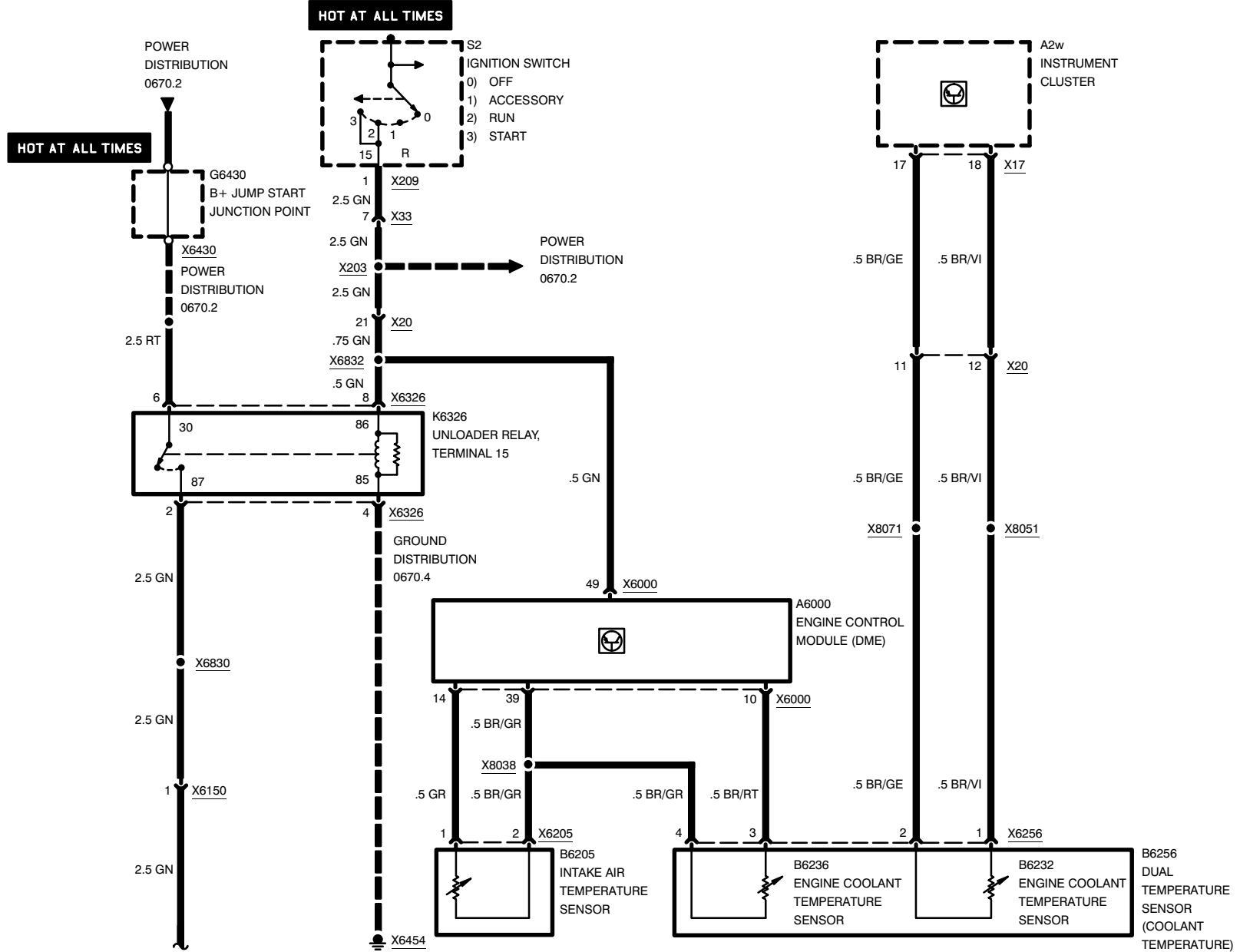
1210.17-01

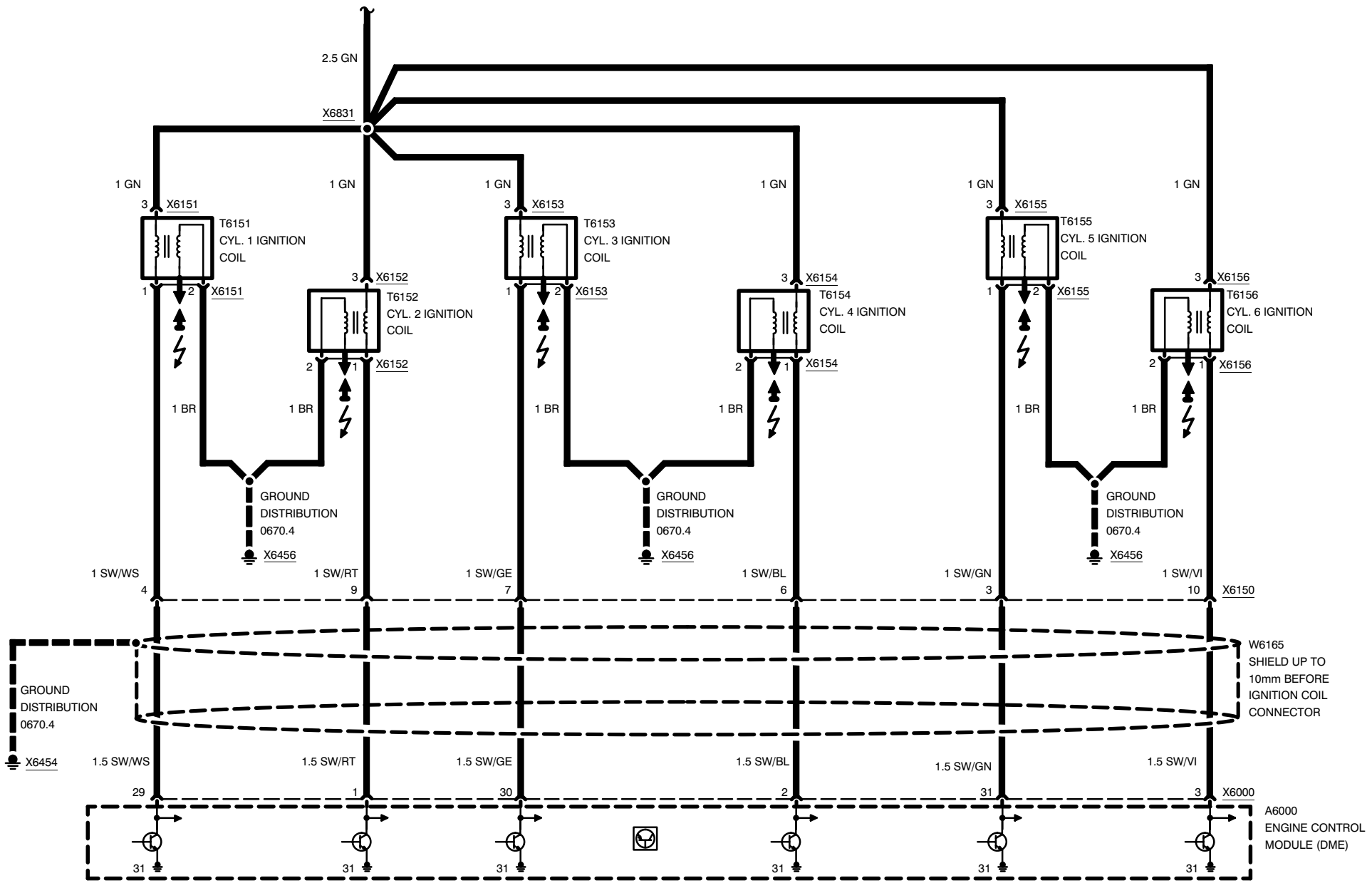
1997



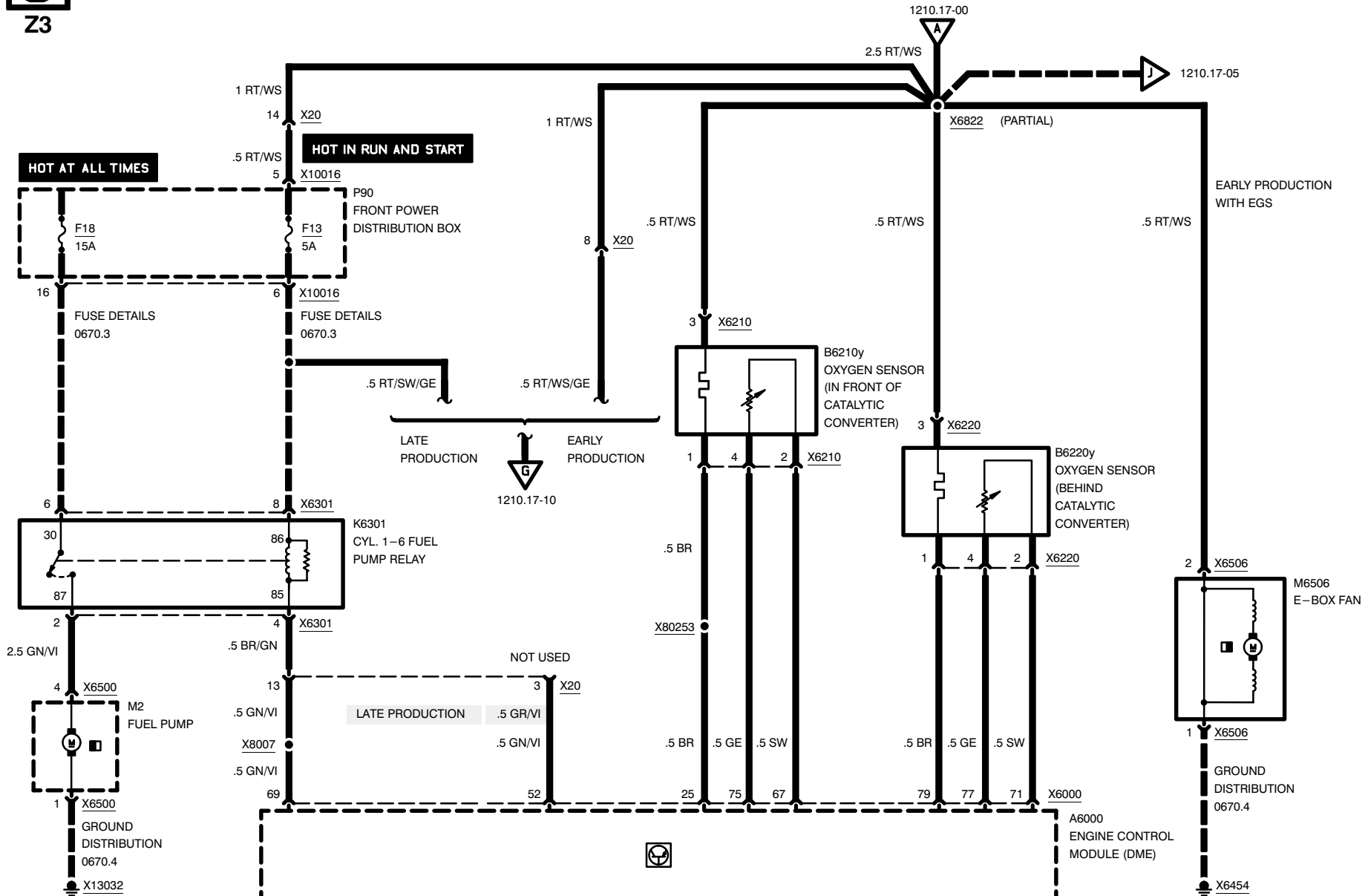
Z3

# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)





# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)

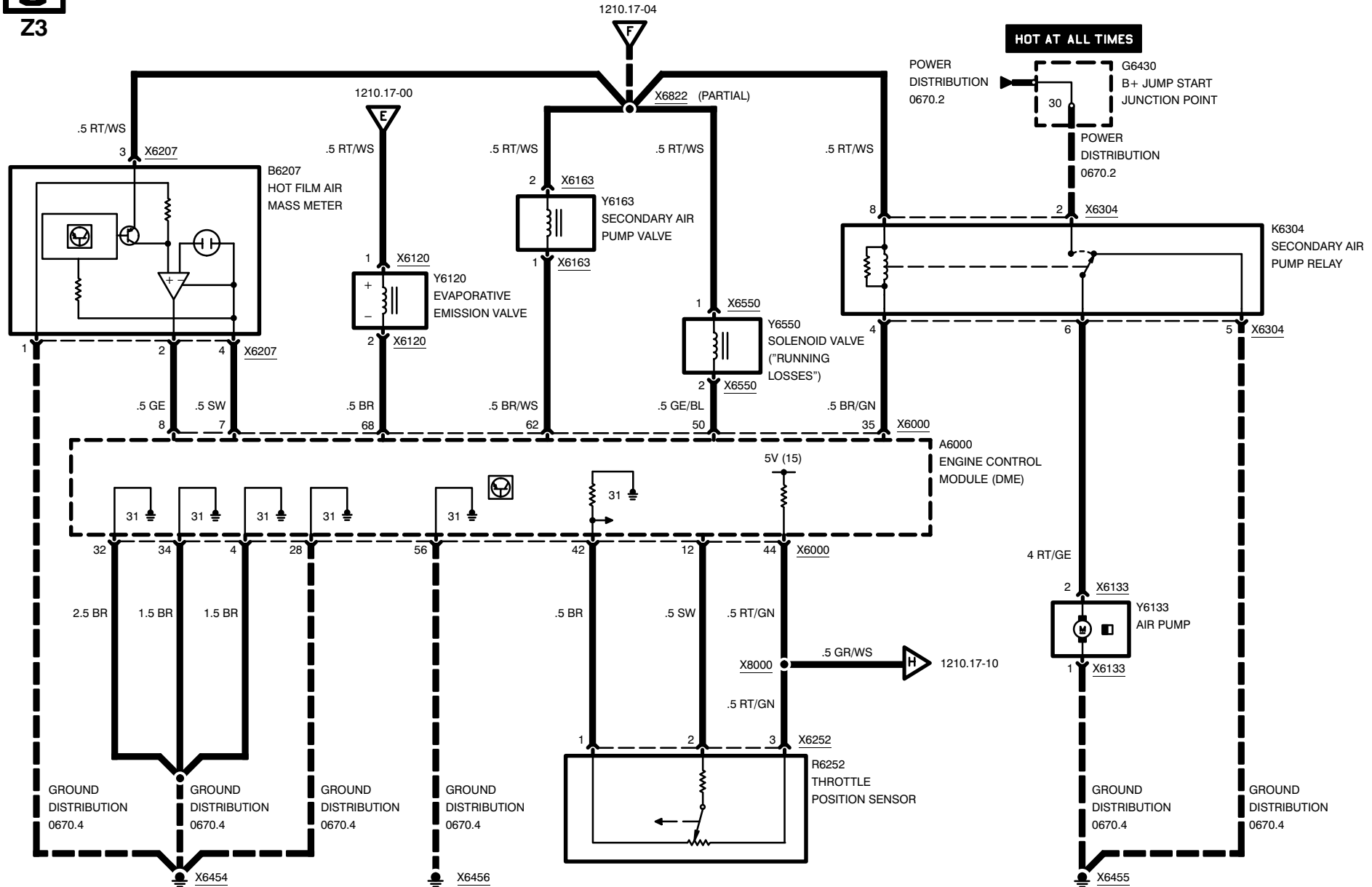


03/98

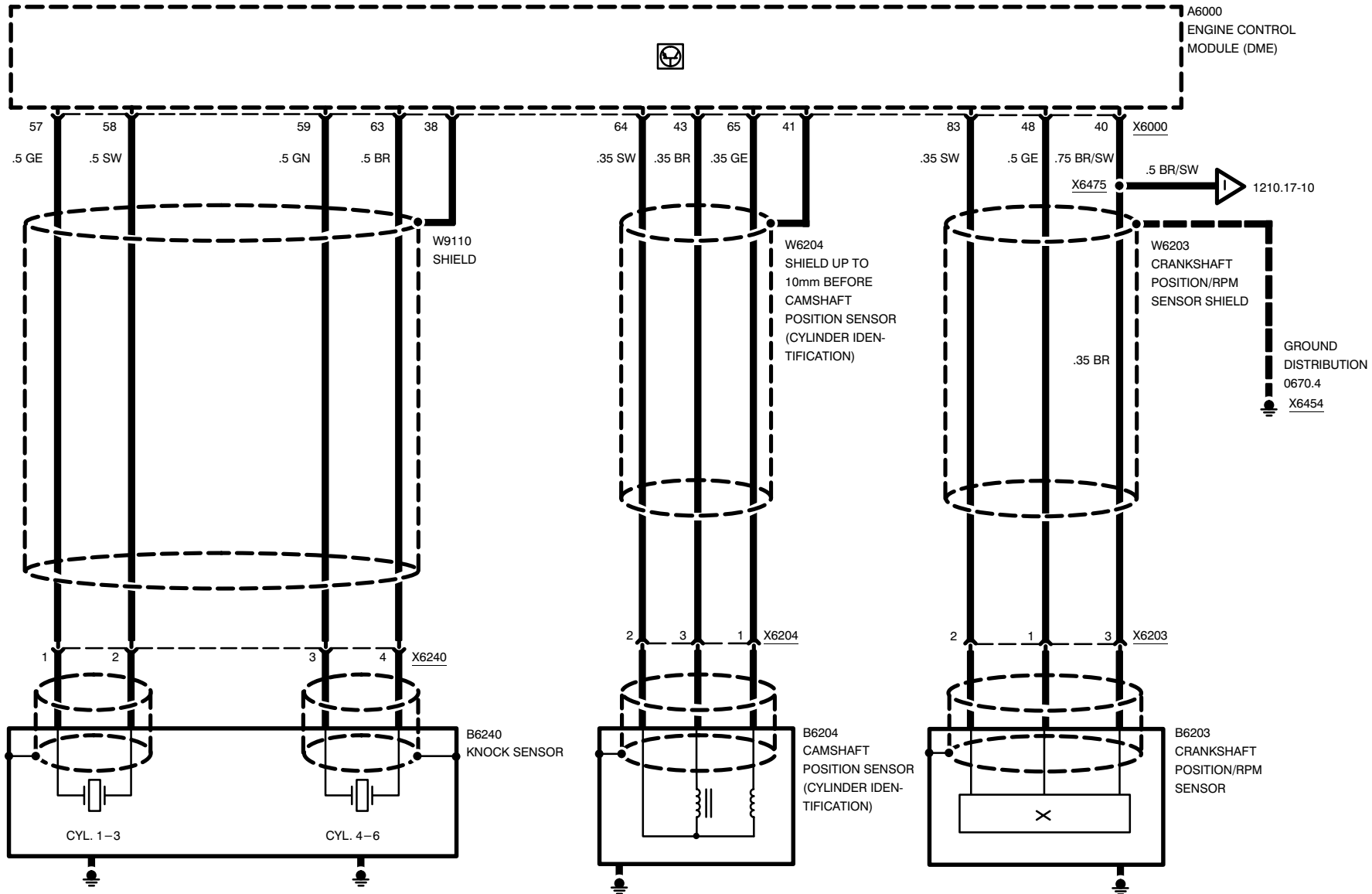
1210.17-04

1997

**ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)**



**ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)**

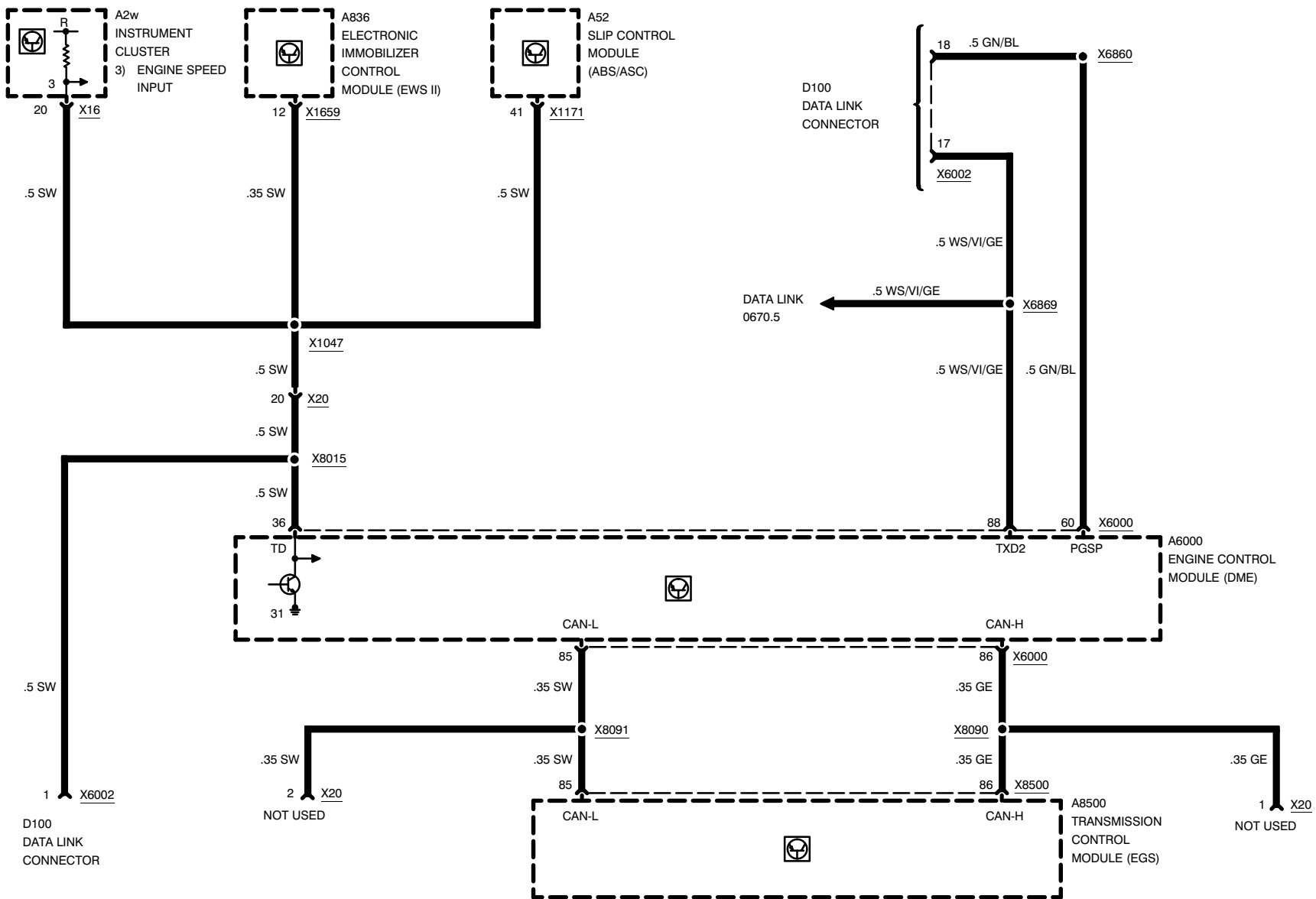






Z3

# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)



03/98

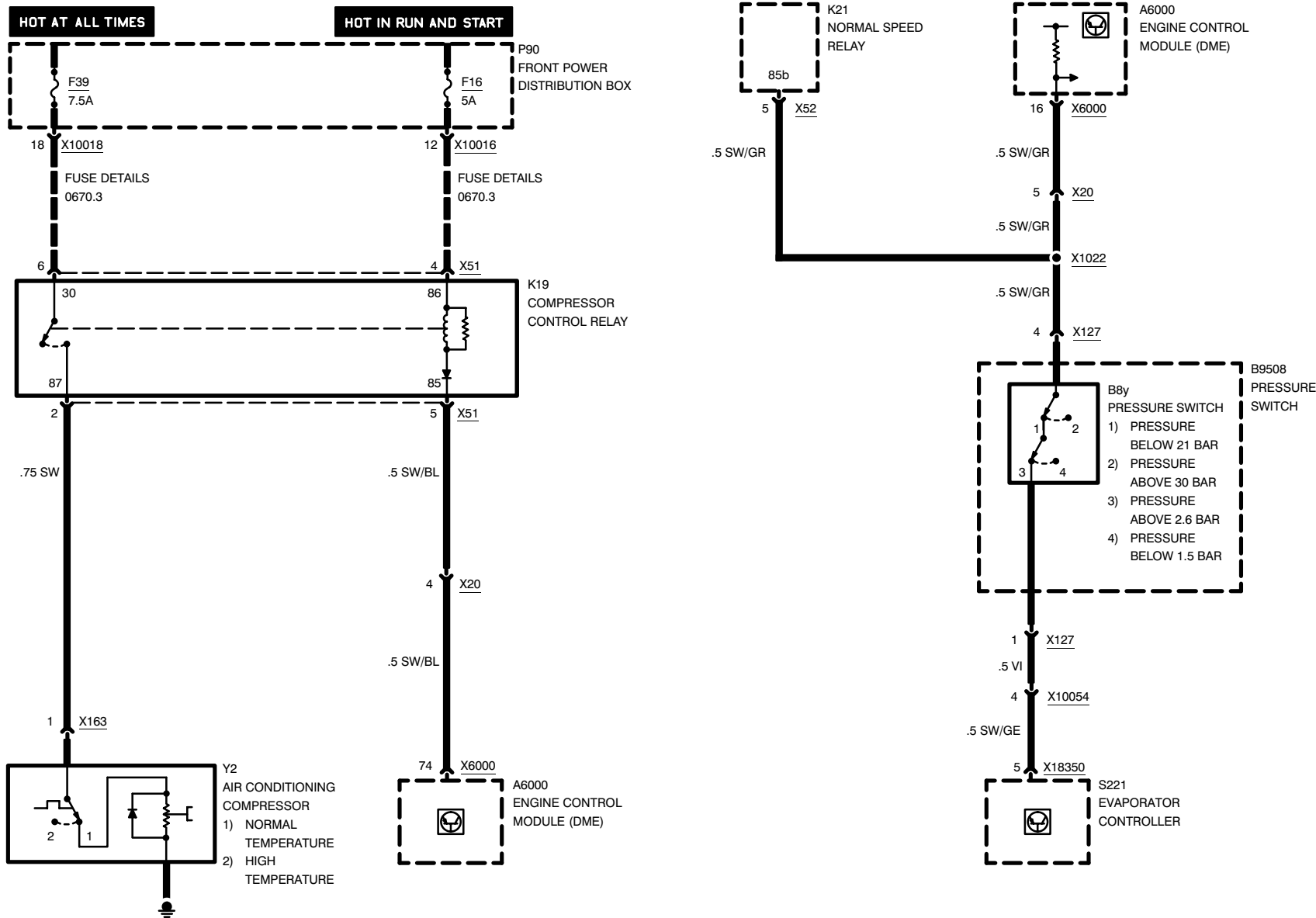
1210.17-07

1997



Z3

# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)



03/98

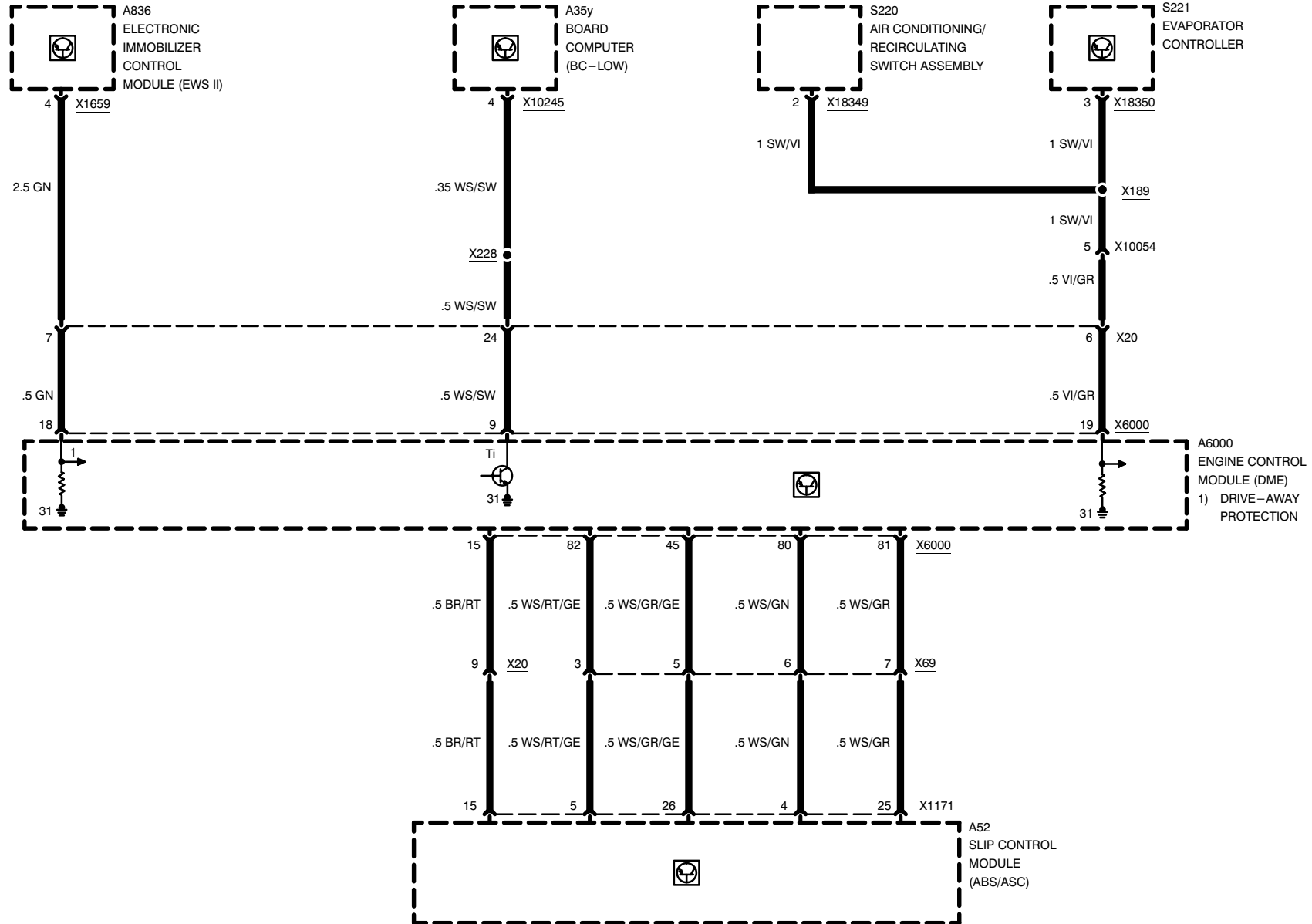
1210.17-08

1997



# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)

Z3



03/98

1210.17-09

1997

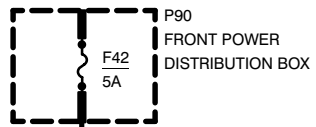


# ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER M52)

## OBD II DIAGNOSIS

Z3

HOT IN ACCY RUN AND START



FUSE DETAILS  
0670.3

D110  
OBD II  
CONNECTOR

7 X19527

.5 WS/VI/GE

8

.5 VI/GN

.5 WS/VI/GE

.5 VI/GN

.5 WS/VI/GE

4

D100  
DATA LINK  
CONNECTOR

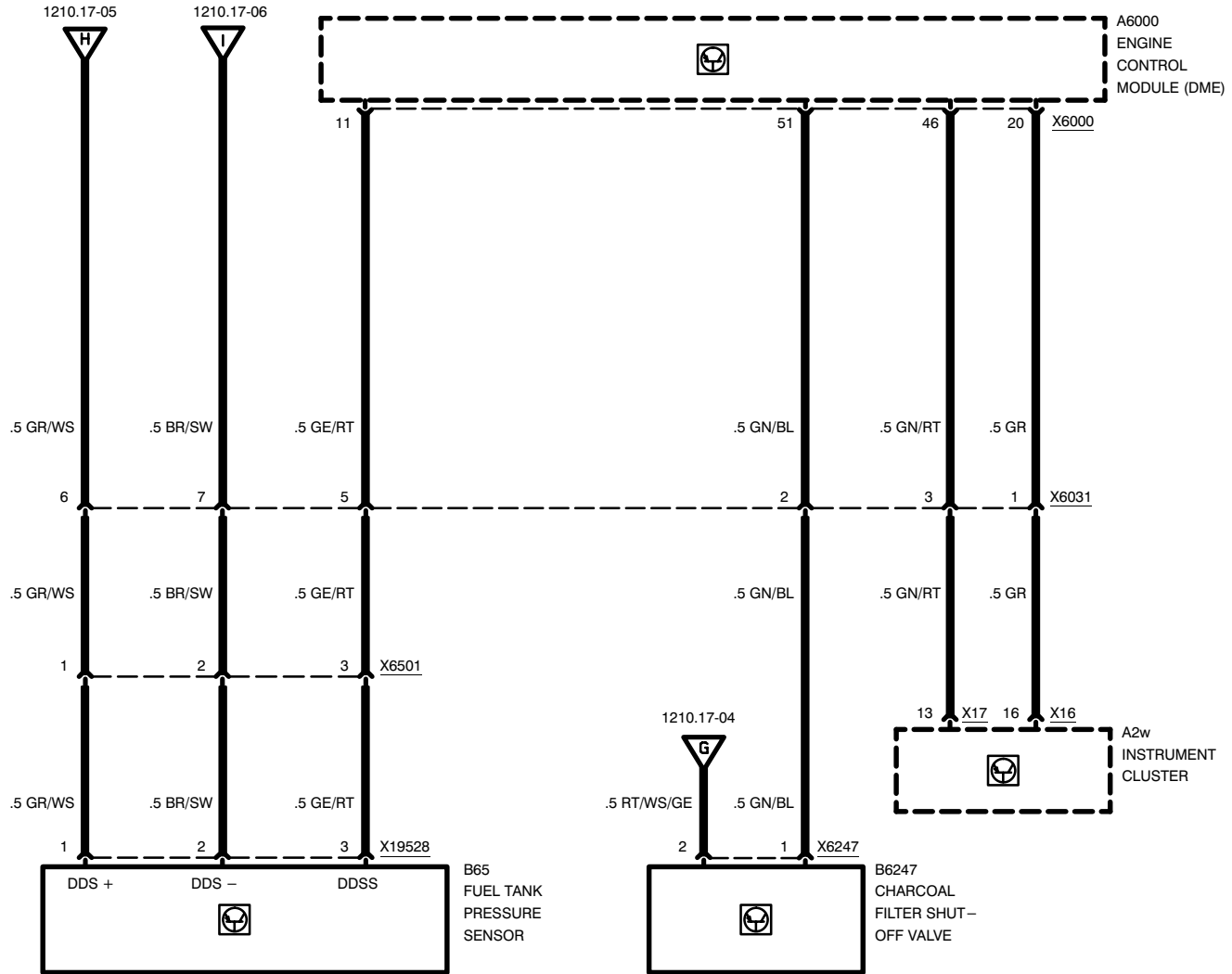
2 X6002

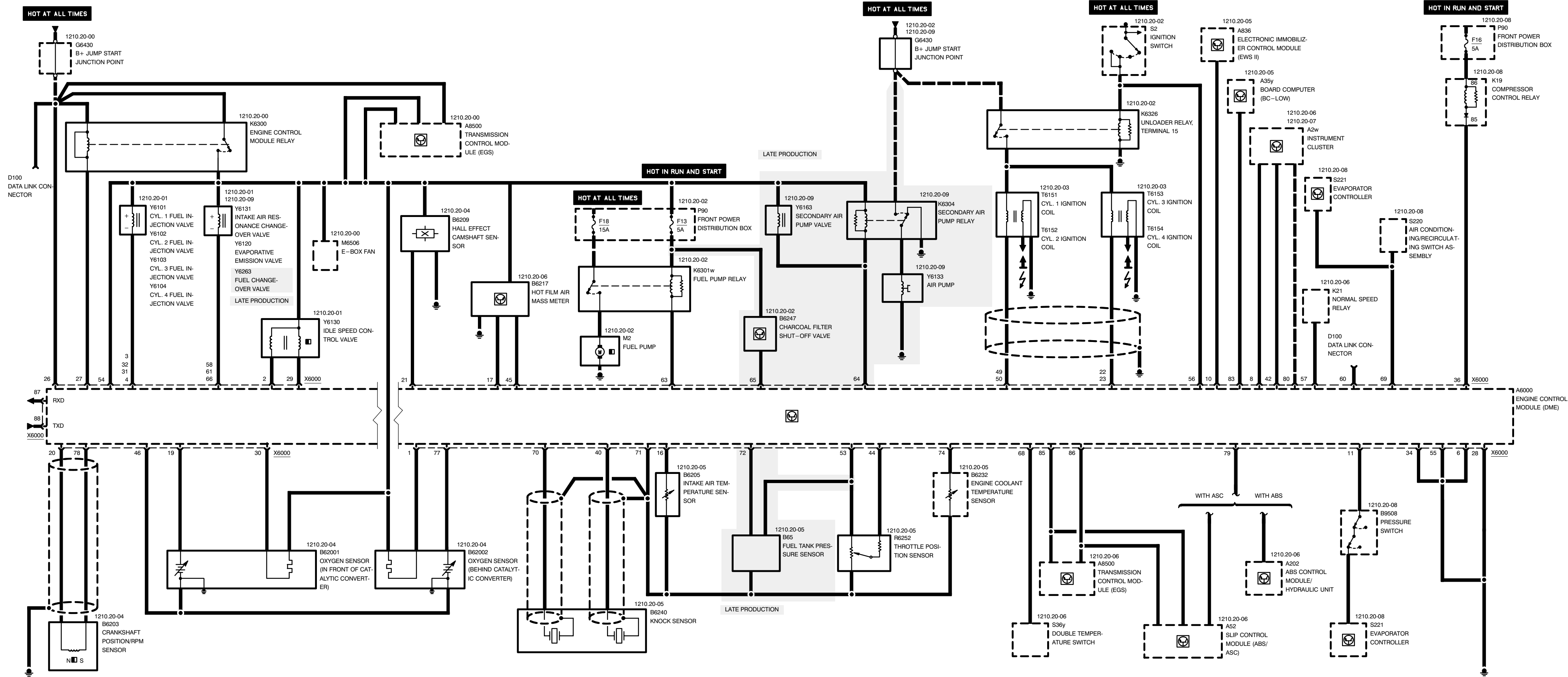
X8103

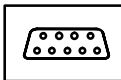
X6868

X6031

X19527





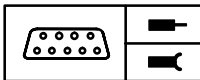


## Pin Assignments

### X6000

Pin	Type	Description/Function	Connection
89	A	Oxygen sensor heating (-)	Oxygen sensor (behind catalytic converter)
90	A	Activate valve	Idle speed control valve
91	A	Activate valve	Cyl. 1 fuel injection valve
92	A	Activate valve	Cyl. 4 fuel injection valve
93		Not used	
94	M	Ground, fuel injection valve output stages	Ground point
95		Not used	
96	A	"Check engine" indicator control	Instrument cluster
97		Not used	
98	E	Drive away protection signal	Electronic immobilizer control module (EWS II)
99	E	Activate A/C	Pressure switch
100		Not used	
101		Not used	
102		Not used	
103		Not used	
104	E	Intake air temperature	Intake air temperature sensor
105	M	Ground	Hot film air mass meter
106		Not used	
107	E	Oxygen sensor signal	Oxygen sensor (in front of catalytic converter)
108	E	Crankshaft position/RPM	Crankshaft position/RPM sensor
109	E	Camshaft position	Hall effect camshaft sensor
110	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
111	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil
112		Not used	
113		Not used	
114	E	Battery voltage	B+ jump start junction point
115	A	Engine control module relay control	Engine control module relay, terminal 85
116	M	Ground for electronics and shielding of sensors	Ground point

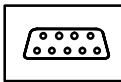
E = Input, A = Output, M = Ground



## Pin Assignments

Pin	Type	Description/Function	Connection
117	A	Idle speed control valve control	Idle speed control valve
118	A	Oxygen sensor heating	Oxygen sensor (in front of catalytic converter)
119	A	Activate valve	Cyl. 3 fuel injection valve
120	A	Activate valve	Cyl. 2 fuel injection valve
121		Not used	
122	M	Ground, remaining output stages (except for ignition and fuel injection valves)	Ground point
123		Not used	
124	A	A/C compressor cut-out	Compressor control relay
125		Not used	
126		Not used	
127		Not used	
128	E	Cyl. 3-4 knock sensor	Knock sensor
129		Not used	
130	E	TI-measurement signal (fuel consumption)	Instrument cluster
131		Not used	
132	E	Throttle position	Throttle position sensor
133	E	Signal input	Hot film air mass meter
134	M	Sensor ground	Oxygen sensors
135		Not used	
136		Not used	
137	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil
138	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
139		Not used	
140		Not used	
141	A	Component supply (+)	Throttle position sensor/ Fuel tank pressure-sensor (Late Production)
142	E	Battery voltage from engine control module relay	Engine control module relay, terminal 87
143	M	Ground, ignition	Ground point
144	E	Ignition switch, terminal 15	Ignition switch, terminal 15
145	A	Activate auxiliary fan	Normal speed relay

E = Input, A = Output, M = Ground



## Pin Assignments

Pin	Type	Description/Function	Connection
146	A	Activate valve	Intake air resonance change over valve
147		Not used	
148	E	Programming voltage	Data link connector
149	A	Activate valve	Evaporation emission valve
150		Not used	
151	A	Activate relay	Fuel pump relay
152	A	Activate air pump (Late Production)	Secondary air pump valve/relay
153	A	Activate valve (Late Production)	Charcoal filter shut-off valve
154	A	Activate valve (Late Production)	Fuel changeover valve
155		Not used	
156	E	Signal above 80 °C	Double temperature switch
157	E	A/C-ON-signal	Air conditioning operating unit
158	E	Cyl 1-2 knock sensor	Knock sensor
159	M	Ground for sensors	Temperature-/ knock-/ throttle position-/ fuel tank pressure sensor
160	E	Fuel tank pressure	Fuel tank pressure sensor
161		Not used	
162	E	Temperature signal	Engine coolant temperature sensor
163		Not used	
164		Not used	
165	E	Oxygen sensor signal	Oxygen sensor (behind catalytic converter)
166	E	Crankshaft position/RPM	Crankshaft position/RPM sensor
167	E	Speed signal right rear	ABS/ASC control module
168	E	Crankshaft RPM speed signal TD	Instrument cluster
169		Not used	
170		Not used	
171	E	Vehicle speed signal	Board computer
172		Not used	
173	E/A	CAN-LOW	EGS/ASC control module
174	E/A	CAN-HIGH	EGS/ASC control module
175	A	RxD diagnosis data line	Data link connector
176	E/A	TxD diagnosis data line	Data link connector

E = Input, A = Output, M = Ground

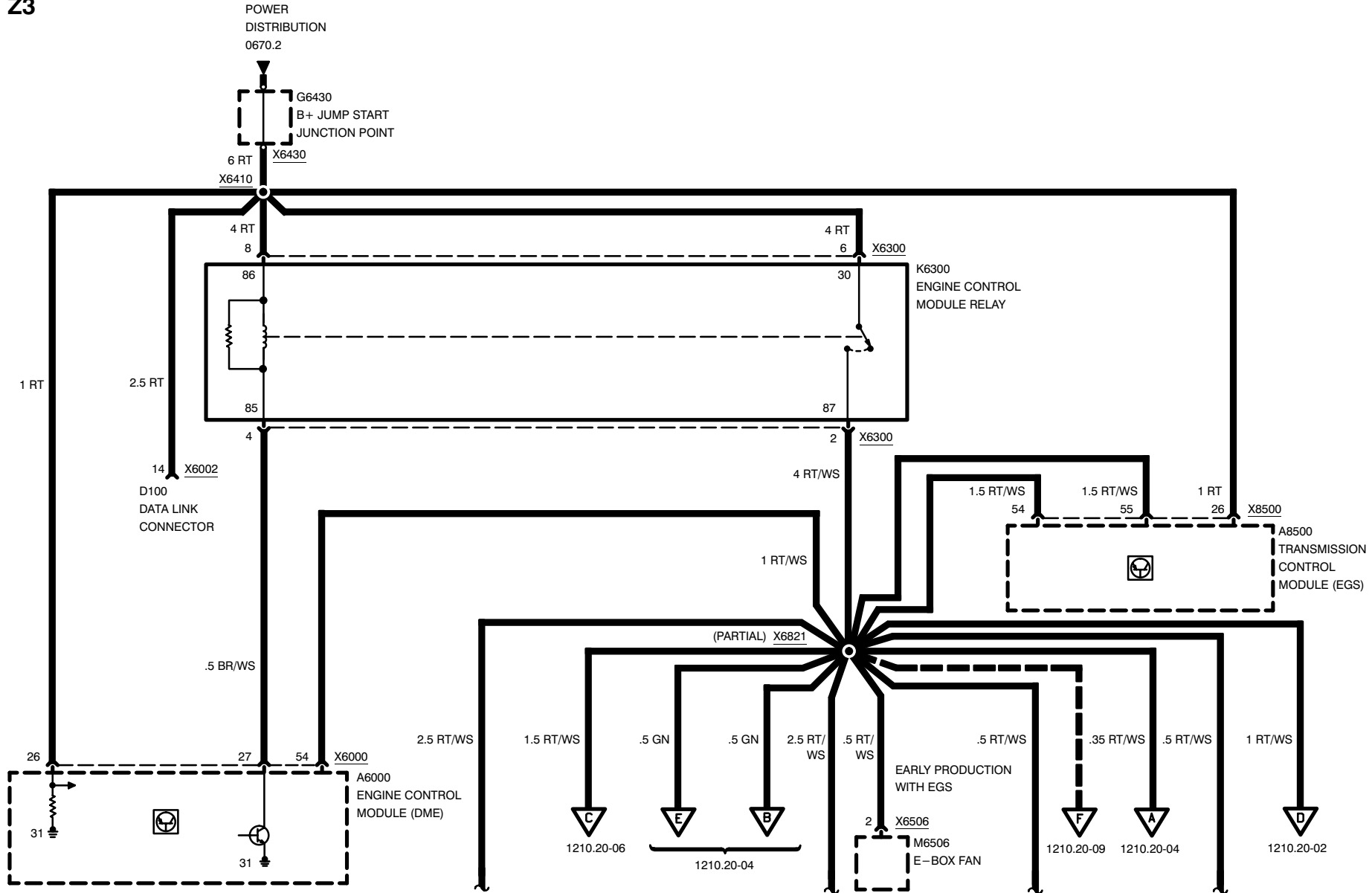




Z3

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

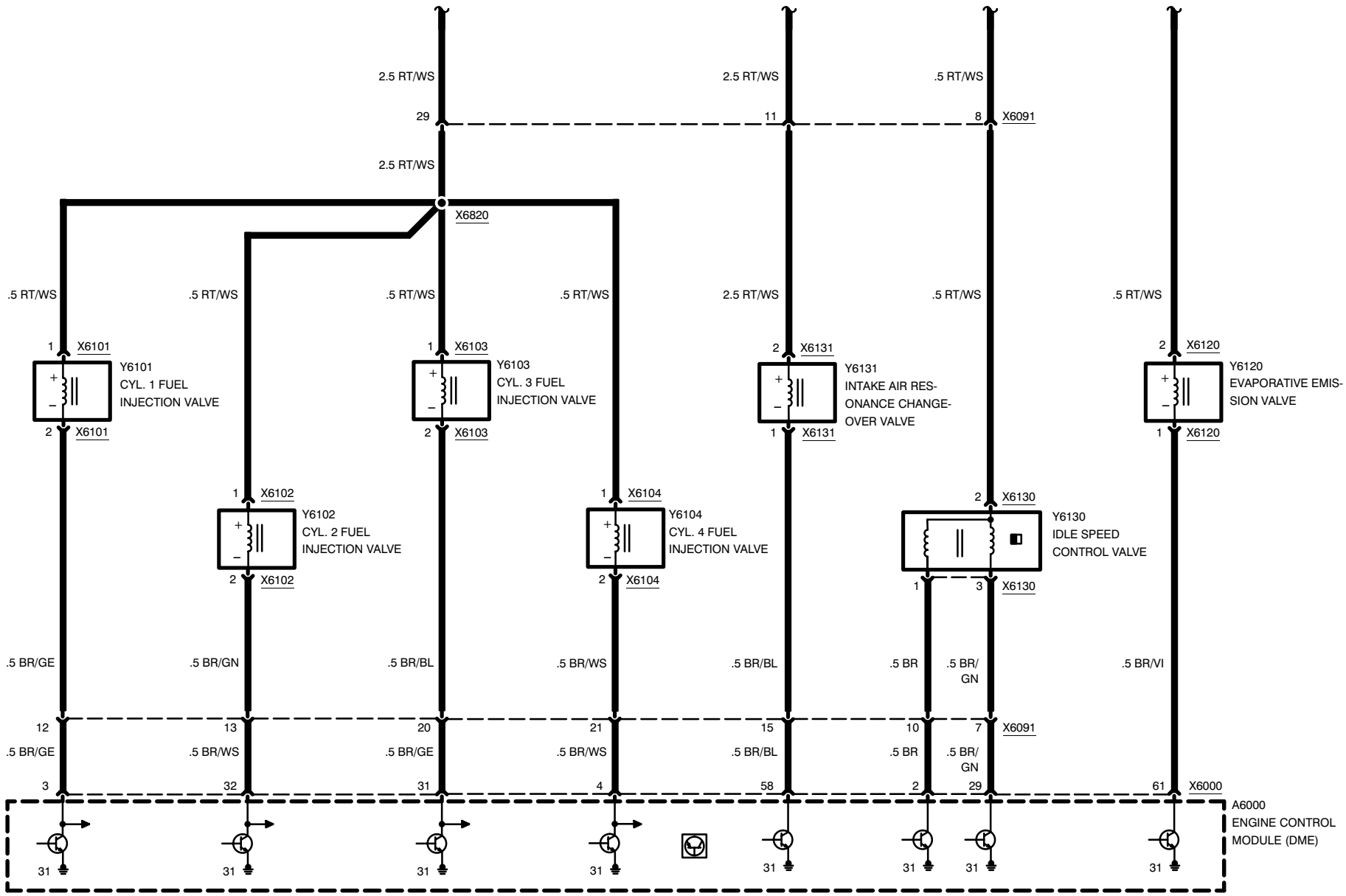
## POWER, FUEL INJECTION VALVES



03/98

1210.20-00

1997

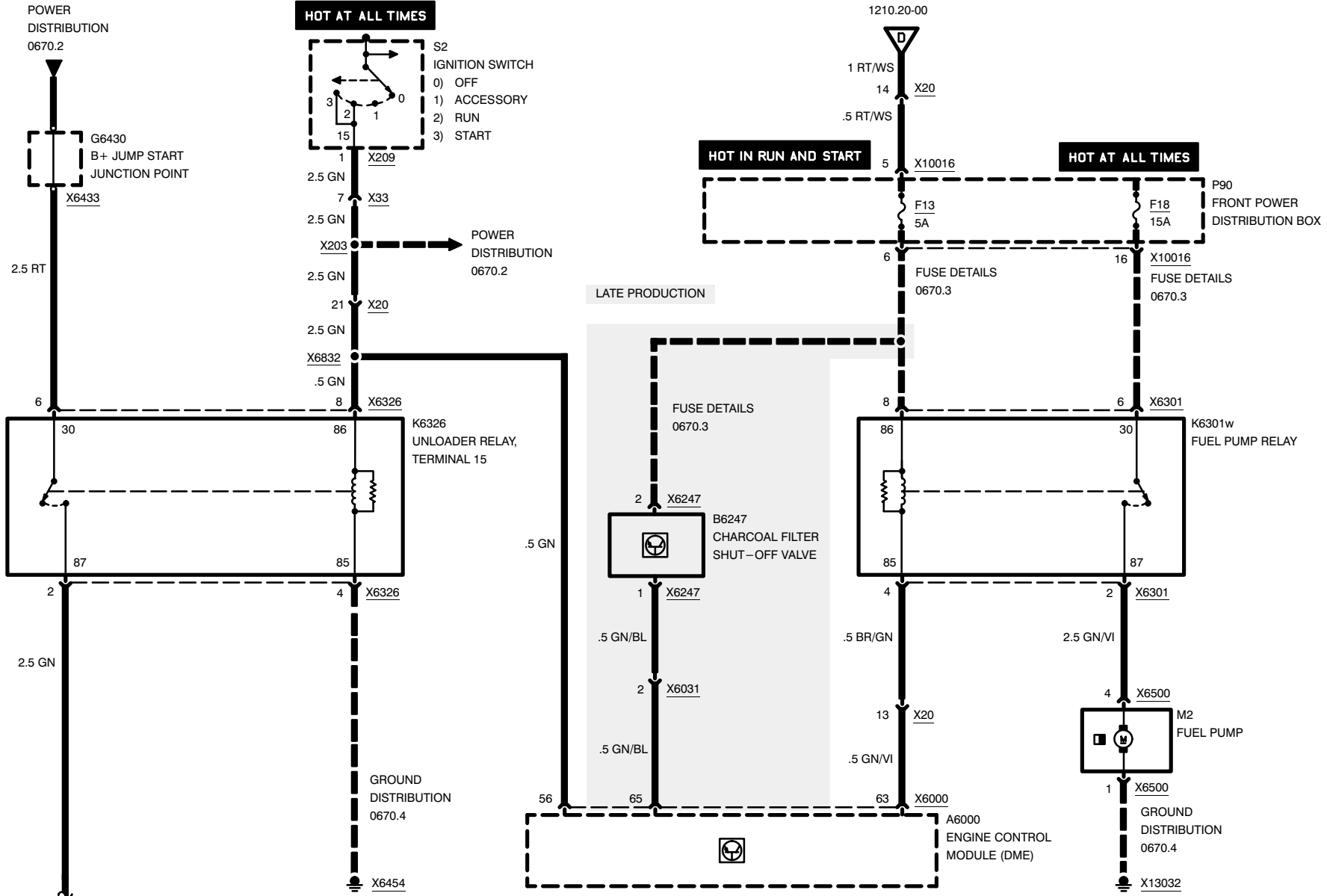


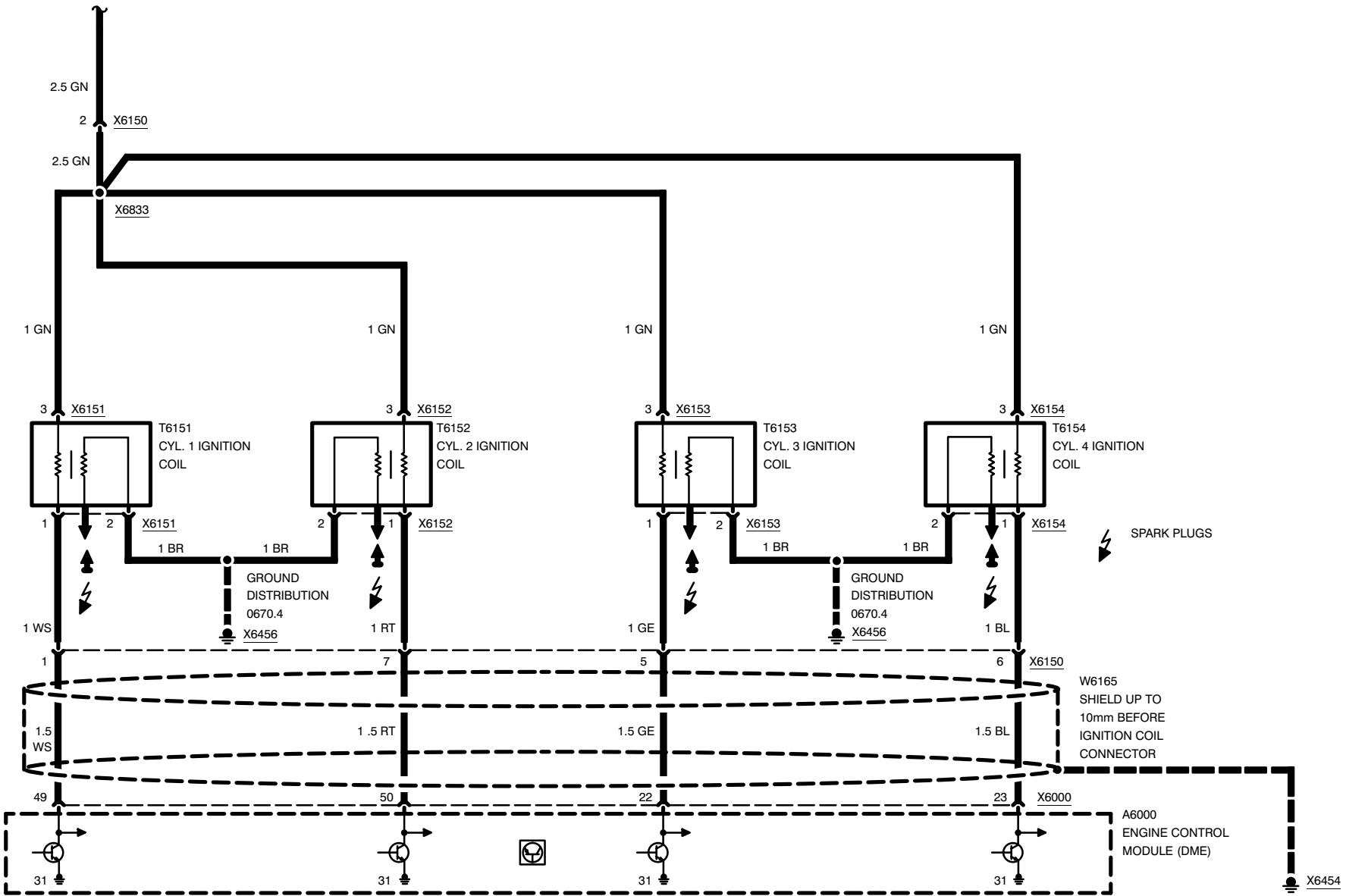


Z3

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

## IGNITION COILS AND FUEL PUMP

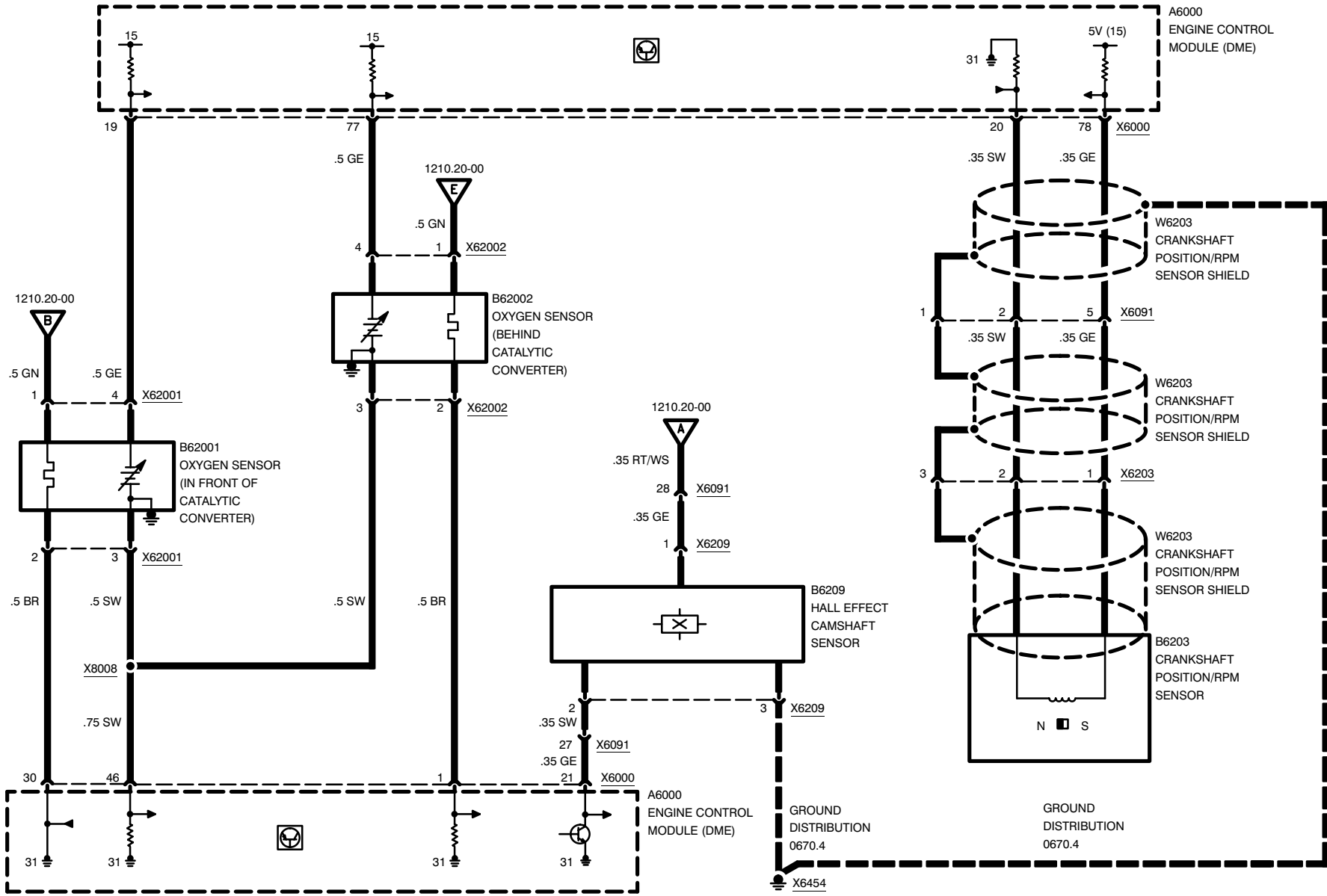




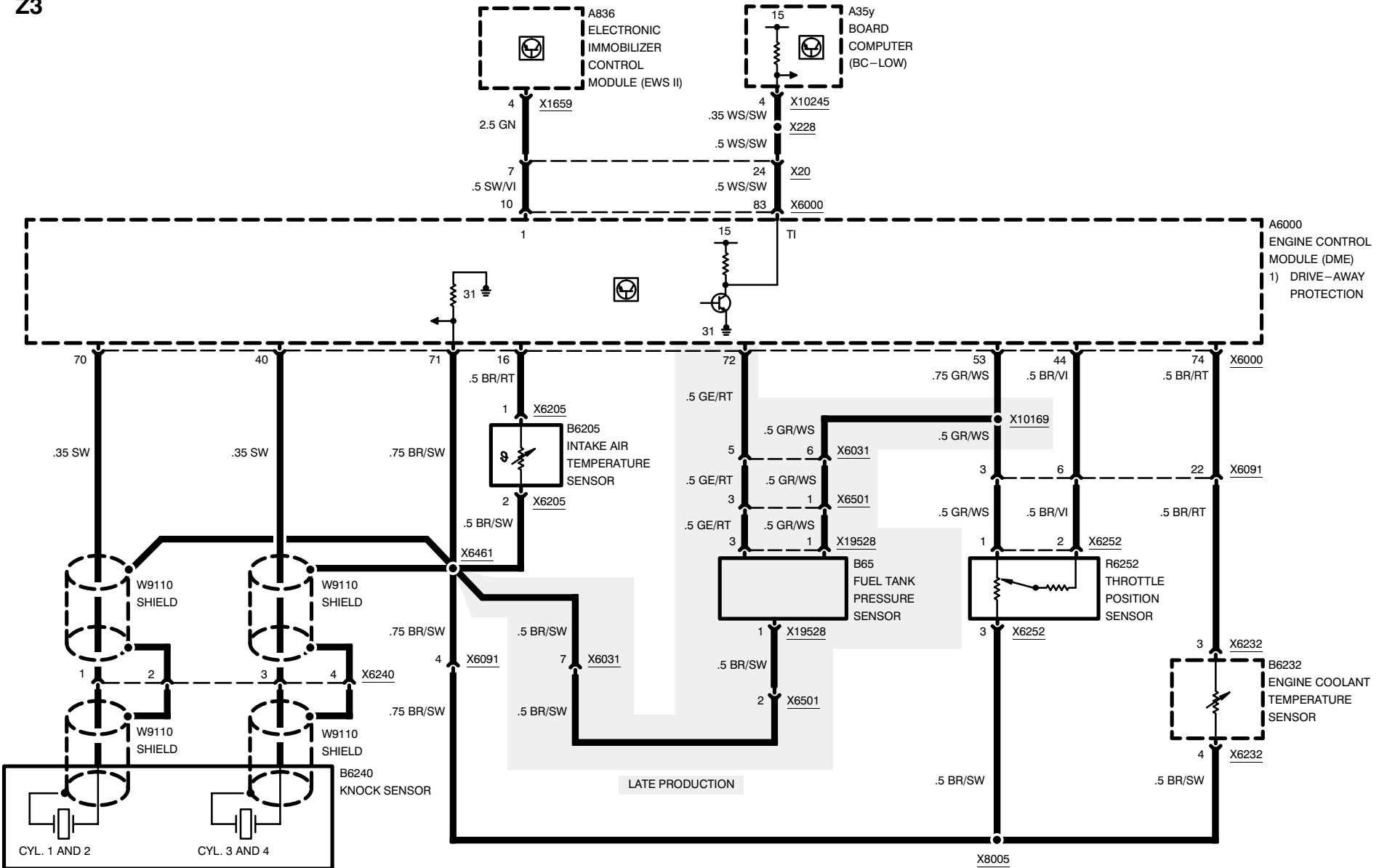


# ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

## HEATED OXYGEN SENSOR, CRANKSHAFT SENSORS



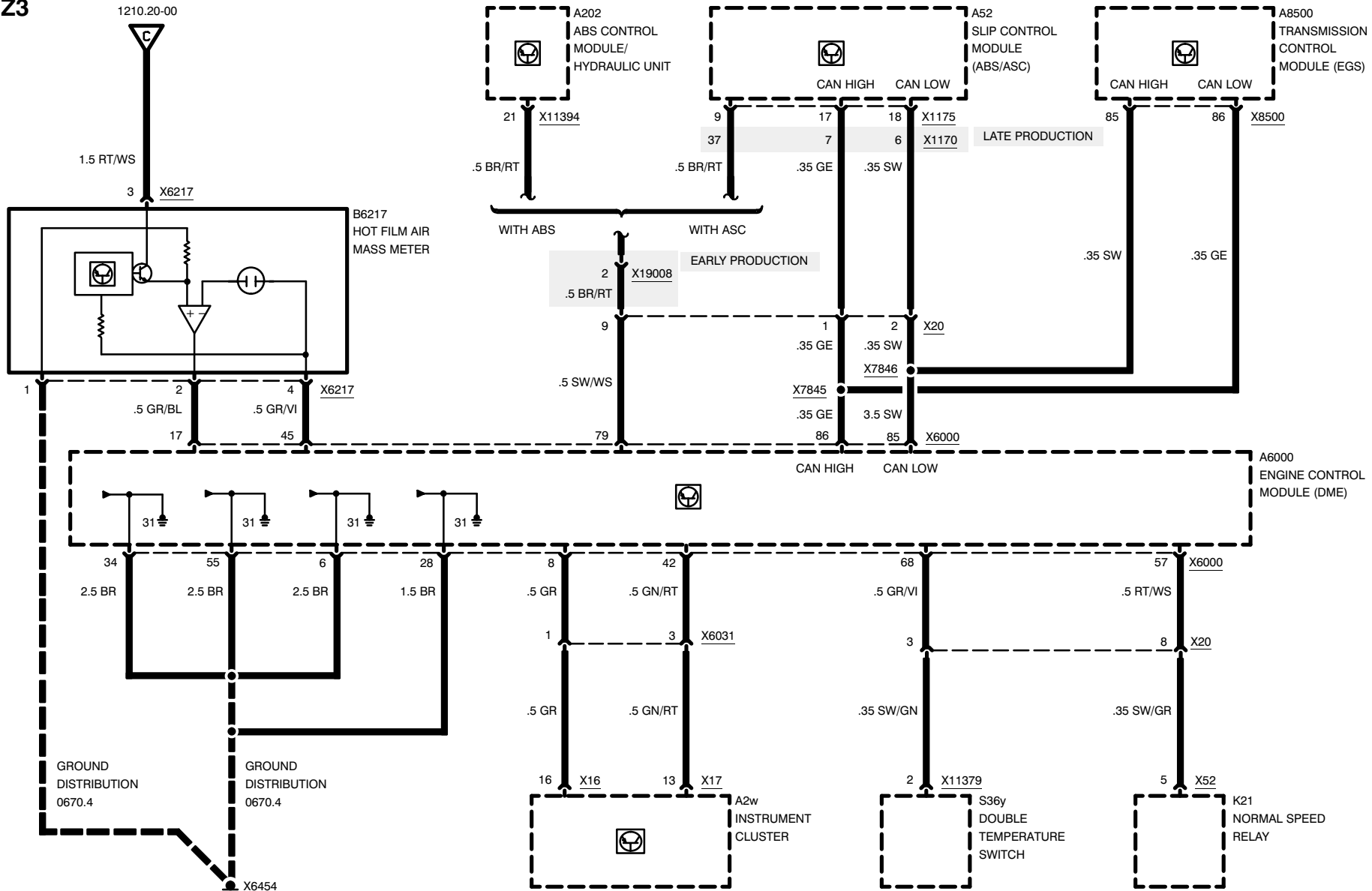
# ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)





Z3

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



03/98

1210.20-06

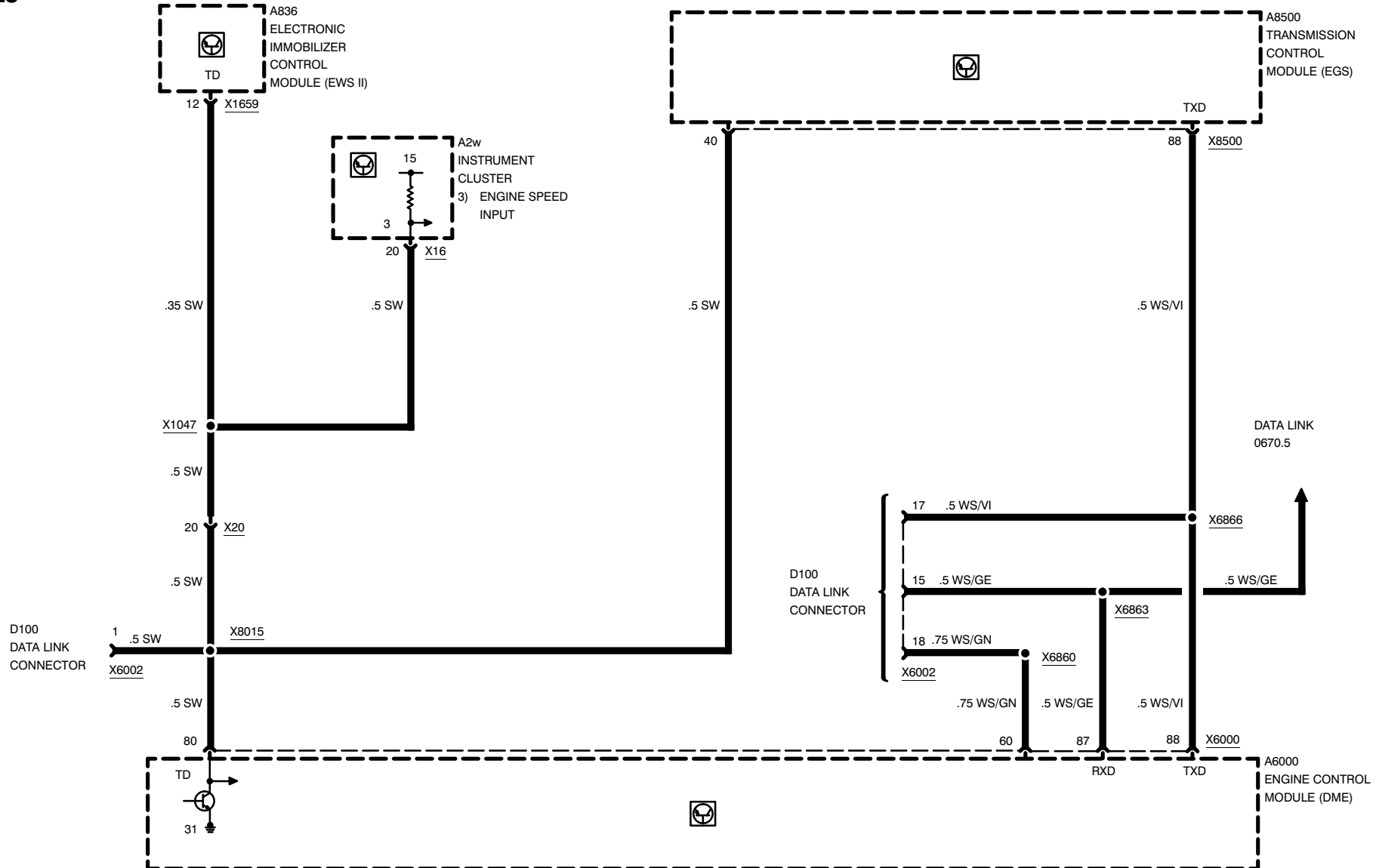
1997



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

## DATA LINK

Z3



03/98

1210.20-07

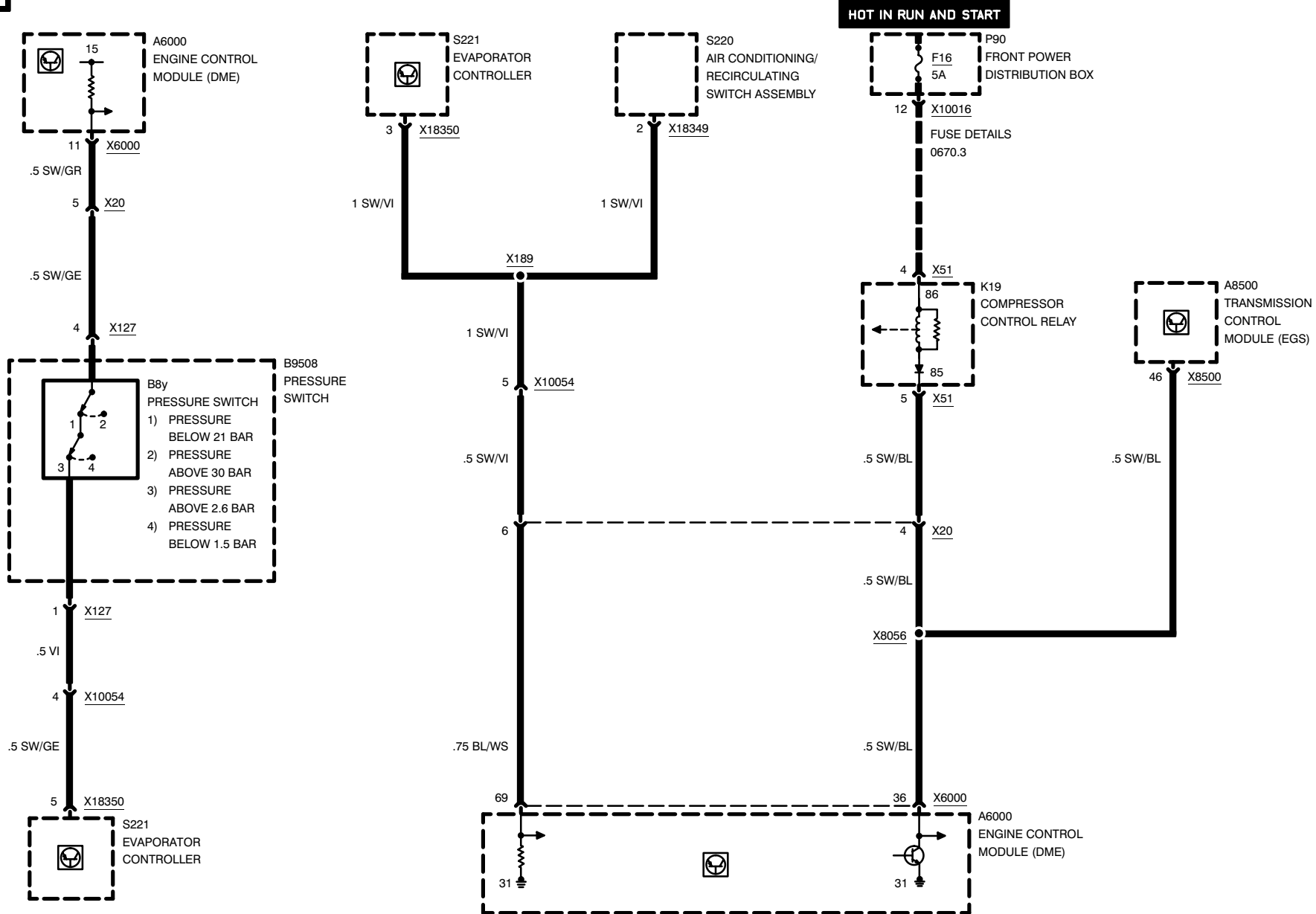
1997





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

Z3



03/98

1210.20-08

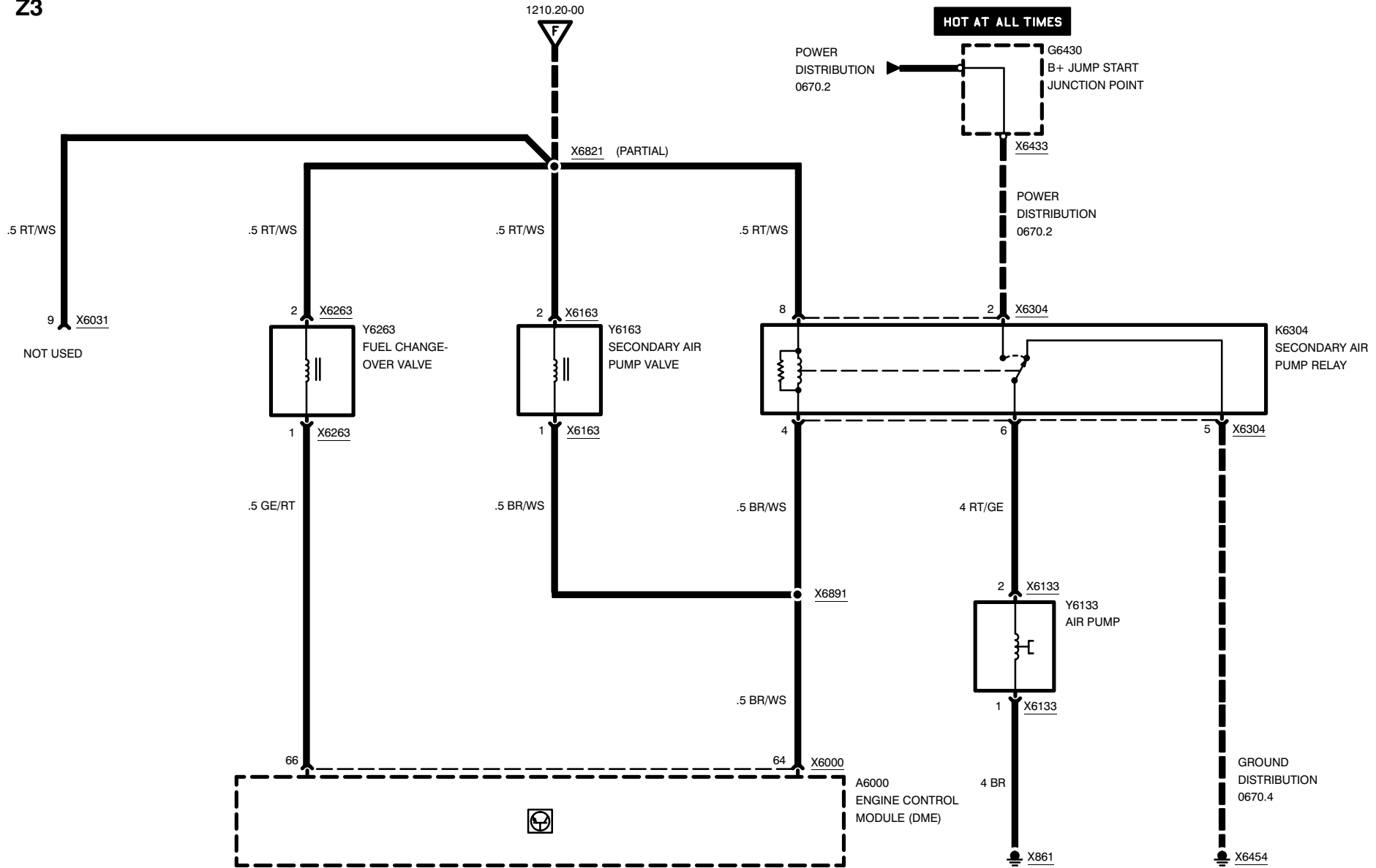
1997



Z3

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

LATE PRODUCTION



03/98

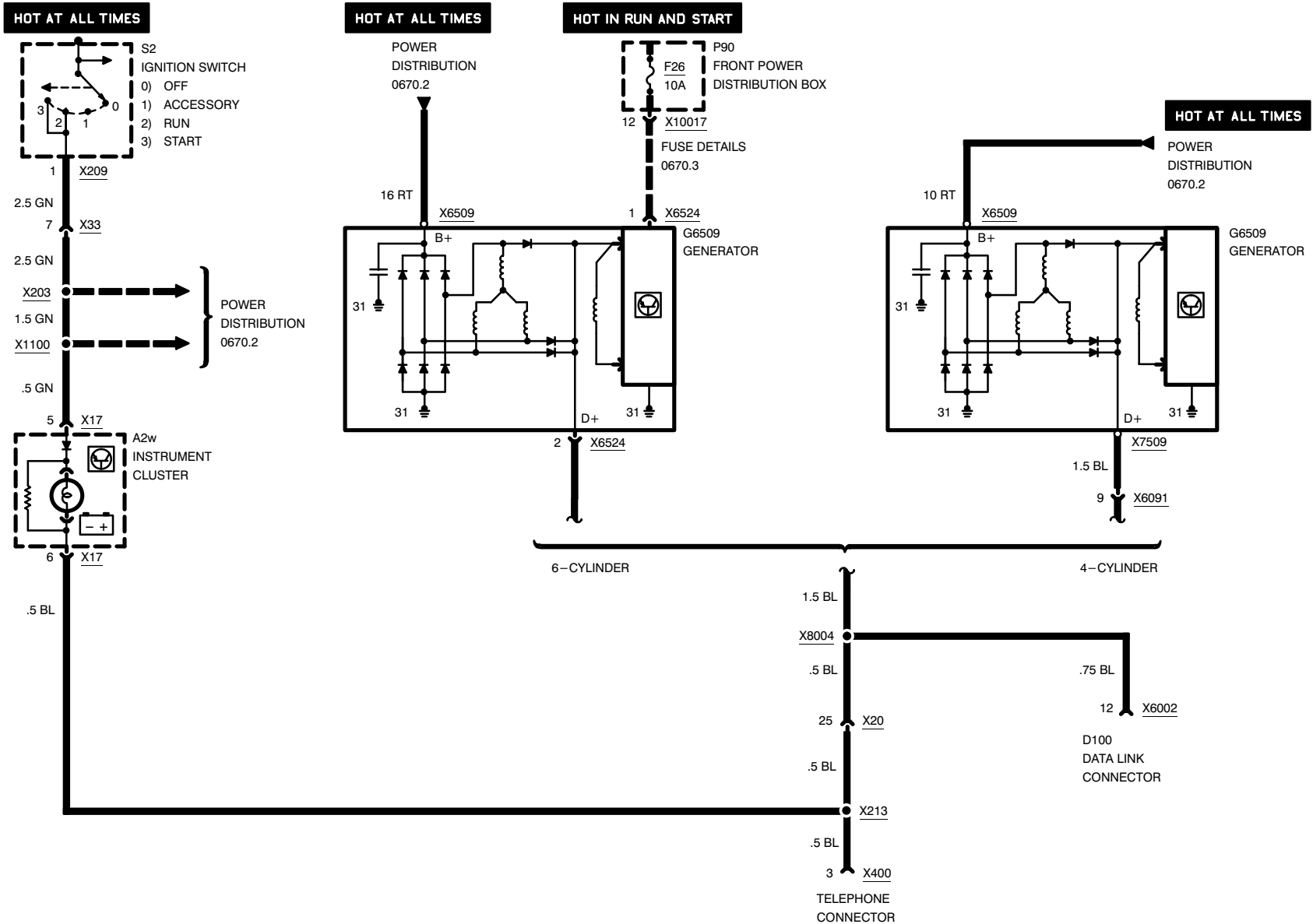
1210.20-09

1997



Z3

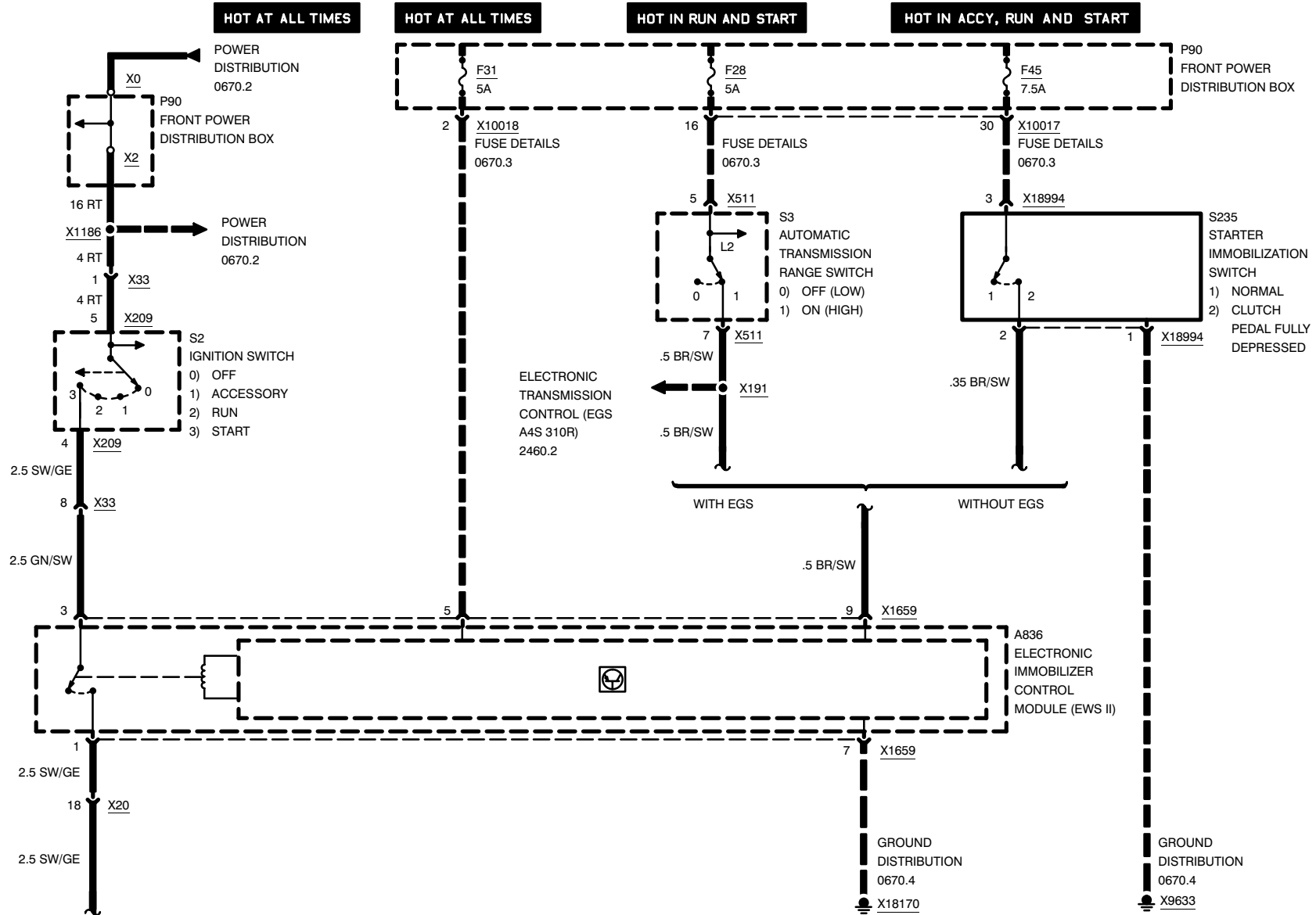
# CHARGING SYSTEM

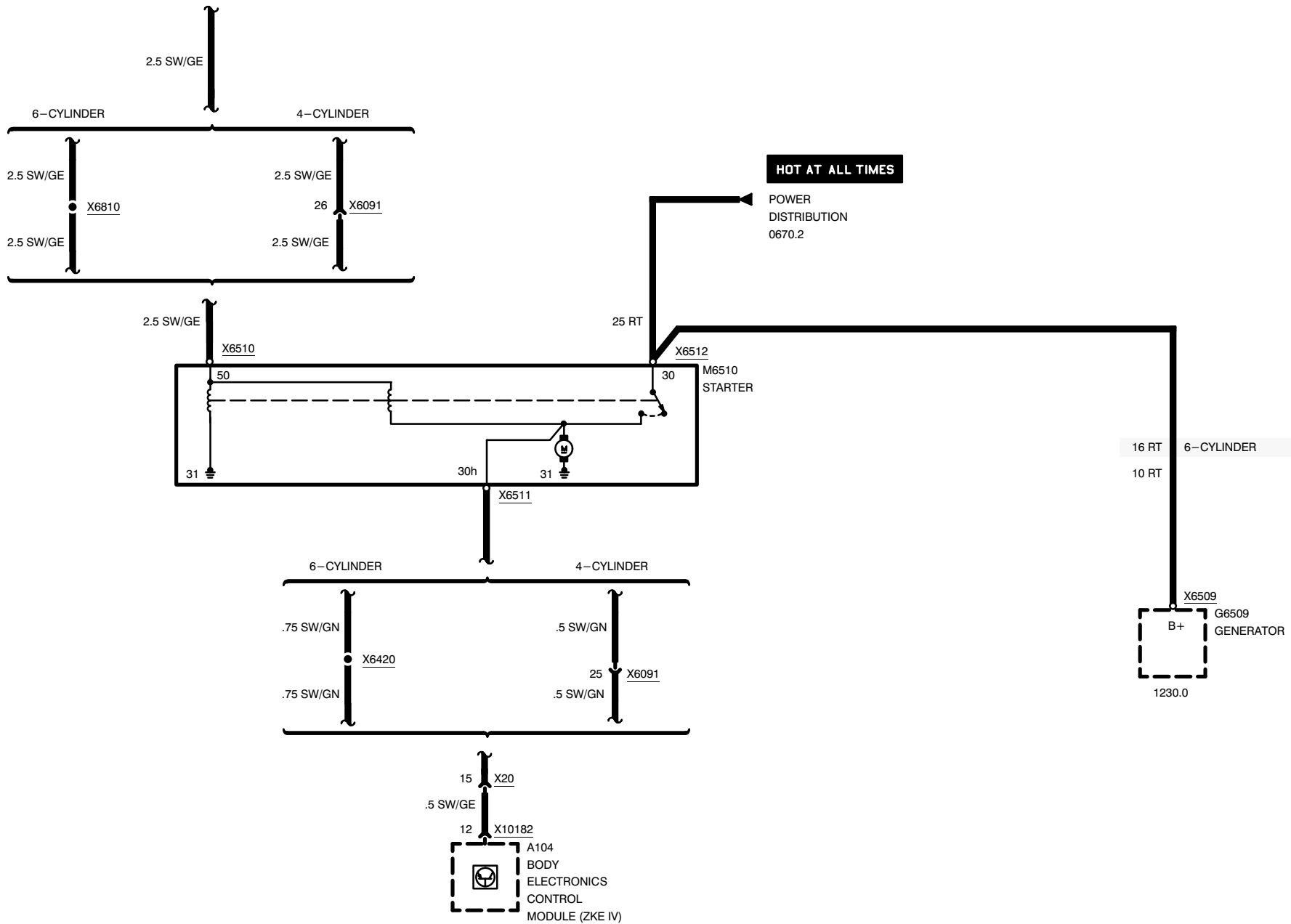


03/98

1230.0-00

1997



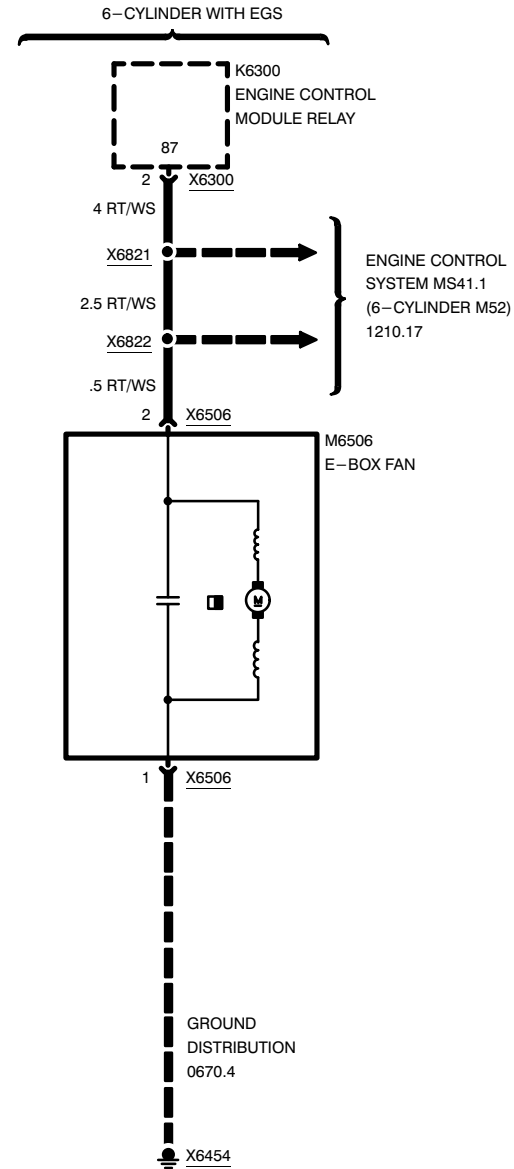
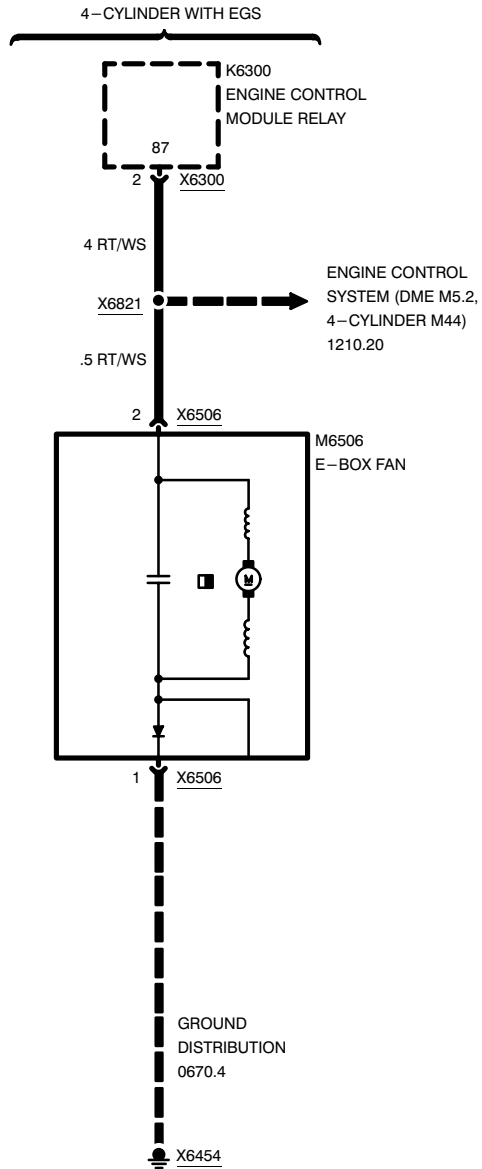




Z3

# E-BOX FAN

# EARLY PRODUCTION



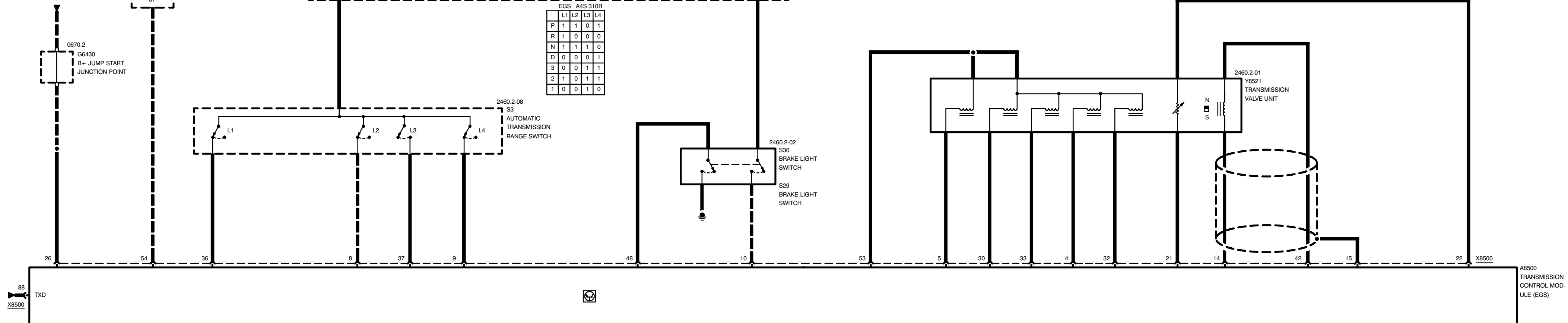
03/98

1290.0-00

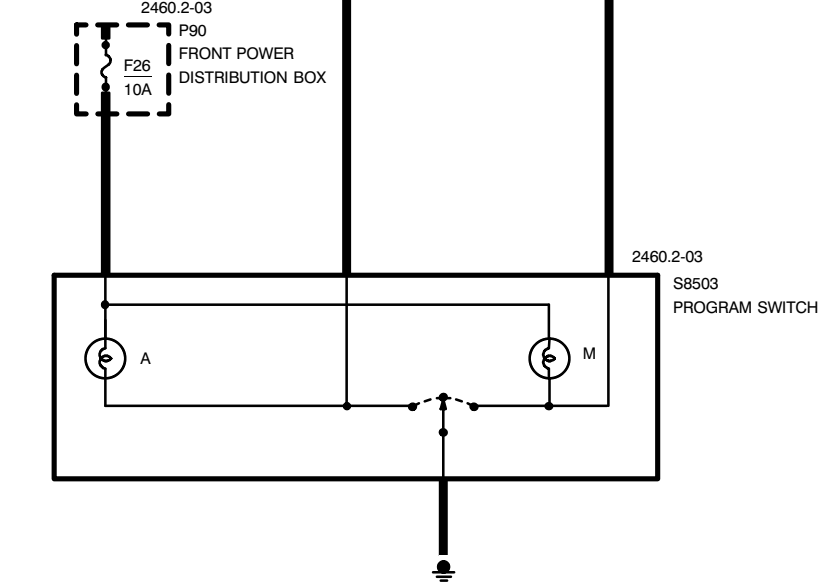
1997

6-CYLINDER

HOT AT ALL TIMES



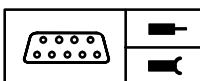
HOT IN RUN AND START



LATE PRODUCTION



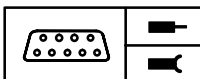
Z3

**Pin Assignments****6-Cylinder****X8500**

Pin	Type	Description/Function	Connection
177		Not used	
178	M	Ground	Shift-lock
179		Not used	
180	A	Solenoid valve 3 control (-)	Transmission valve unit
181	A	Hydraulic pressure regulator control (-)	Transmission valve unit
182		Not used	
183		Not used	
184	E	Gear range signal L2	Automatic transmission range switch
185	E	Gear range signal L4	Automatic transmission range switch
186	E	Brake pedal position	Brake light switch
187		Not used	
188		Not used	
189	E	Manual mode signal	Program switch
190	E	Output speed (-)	Transmission valve unit
191	M	Ground for shield	Shield for speed sensor
192		Not used	
193		Not used	
194	E	Kick-down signal	Kick-down switch
195	E	ASC signal (Late Production)	Slip control module
196	E	Automatic mode signal	Program switch
197	E	Oil temperature signal (-)	Transmission valve unit
198	E	Oil temperature signal (+)	Transmission valve unit
199		Not used	
200		Not used	
201	A	Fault indicator signal	Instrument cluster
202	E	Battery voltage	B+ jump start junction point
203	A	M-program indication	Program switch
204	M	Ground	Ground point
205		Not used	
206	A	Solenoid valve 1 control (-)	Transmission valve unit

E = Input, A = Output, M = Ground



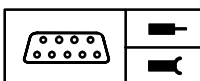
**Pin Assignments****6-Cylinder**

Pin	Type	Description/Function	Connection
207		Not used	
208	A	Torque converter clutch solenoid valve control (-)	Transmission valve unit
209	A	Solenoid valve 2 control (-)	Transmission valve unit
210	M	Ground	Ground point
211		Not used	
212	E	Gear range signal L1	Automatic transmission range switch
213	E	Gear range signal L3	Automatic transmission range switch
214		Not used	
215		Not used	
216		Not used	
217		Not used	
218	E	Output speed (+)	Transmission valve unit
219		Not used	
220		Not used	
221	A	A-program indication	Program switch
222		Not used	
223		Not used	
224	E	Brake switch test signal	Brake light switch
225		Not used	
226		Not used	
227		Not used	
228	A	Shift-lock solenoid control	Shift-lock
229	A	Voltage solenoid valves	Transmission valve unit
230	E	Voltage supply terminal 87	Engine control module relay
231		Not used	
232		Not used	
233		Not used	
234		Not used	
235		Not used	
236		Not used	
237		Not used	

E = Input, A = Output, M = Ground



Z3

**Pin Assignments****6-Cylinder**

Pin	Type	Description/Function	Connection
238		Not used	
239		Not used	
240		Not used	
241		Not used	
242		Not used	
243		Not used	
244		Not used	
245		Not used	
246		Not used	
247		Not used	
248		Not used	
249		Not used	
250		Not used	
251		Not used	
252		Not used	
253		Not used	
254		Not used	
255		Not used	
256		Not used	
257		Not used	
258	E/A	Jumper plug	
259	E/A	Jumper plug	
260		Not used	
261	E/A	CAN LOW	Engine control module
262	E/A	CAN HIGH	Engine control module
263		Not used	
264	E/A	TxD diagnostic data link	Data link connector

E = Input, A = Output, M = Ground

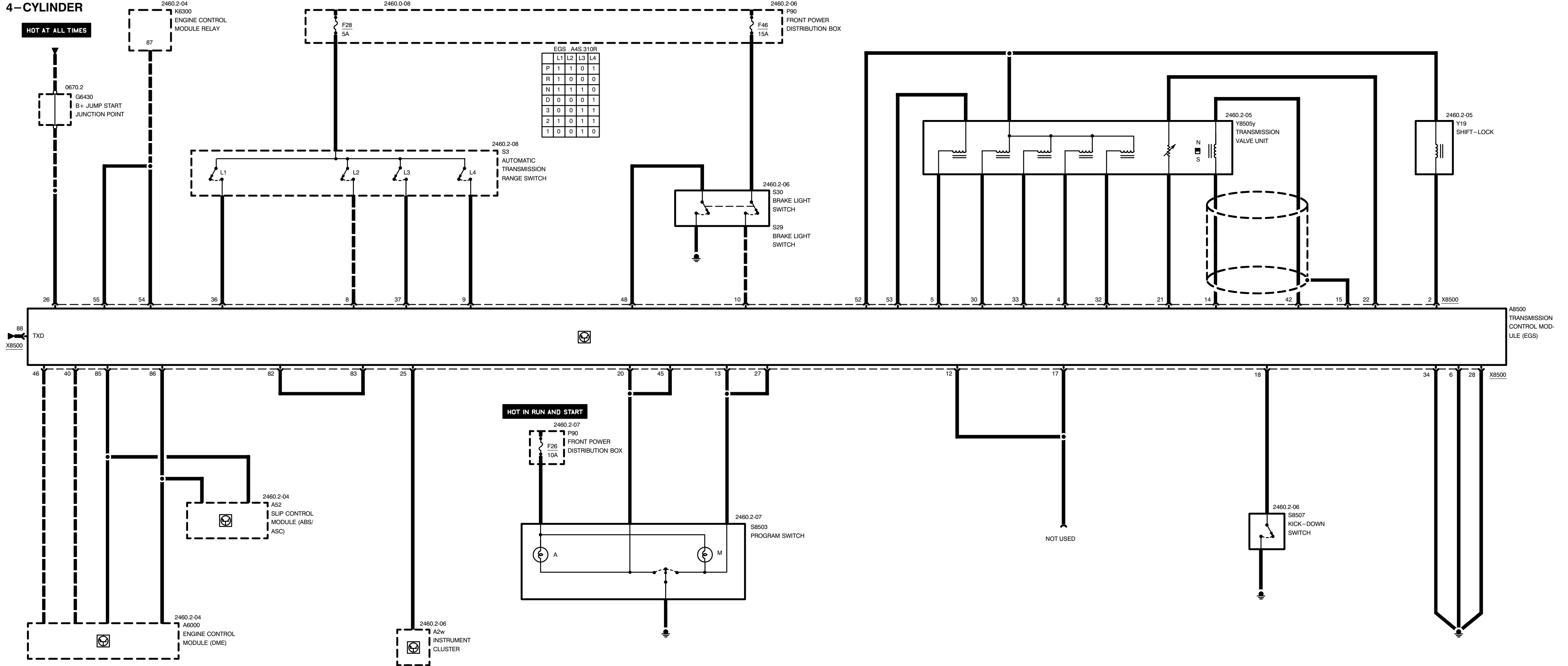
4-CYLINDER

HOT AT ALL TIMES

HOT IN RUN AND START

HOT IN RUN AND START

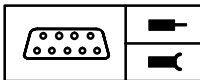
HOT IN RUN AND START



EGS A4S 310R

	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

A8500 TRANSMISSION CONTROL MODULE (EGS)

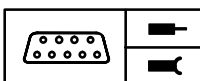
**Pin Assignments****4-Cylinder****X8500**

<b>Pin</b>	<b>Type</b>	<b>Description/Function</b>	<b>Connection</b>
265		Not used	
266	A	Shift-lock solenoid control	Shift-lock
267		Not used	
268	A	Solenoid valve 3 control (-)	Transmission valve unit
269	A	Hydraulic pressure regulator control (-)	Transmission valve unit
270	M	Ground	Ground point
271		Not used	
272	E	Gear range signal L2	Automatic transmission range switch
273	E	Gear range signal L4	Automatic transmission range switch
274	E	Brake pedal position	Brake light switch
275		Not used	
276	E	Sport mode signal	Not used
277	E	Manual mode signal	Program switch
278	E	Output speed (-)	Transmission valve unit
279	M	Ground for shield	Shield for speed sensor
280		Not used	
281	A	S-program indication	Not used
282	E	Kick-down signal	Kick-down switch
283		Not used	
284	E	Automatic mode signal	Program switch
285	E	Oil temperature signal (-)	Transmission valve unit
286	E	Oil temperature signal (+)	Transmission valve unit
287		Not used	
288		Not used	
289	A	Fault indicator signal	Instrument cluster
290	E	Battery voltage	B+ Jump start junction point
291	A	M-program indication	Program switch
292	M	Ground	Ground point
293		Not used	
294	A	Solenoid valve 1 control (-)	Transmission valve unit

E = Input, A = Output, M = Ground



Z3

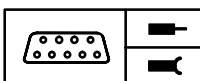
**Pin Assignments****4-Cylinder**

Pin	Type	Description/Function	Connection
295		Not used	
296	A	Torque converter clutch solenoid valve control (-)	Transmission valve unit
297	A	Solenoid valve 2 control (-)	Transmission valve unit
298	M	Ground	Ground point
299		Not used	
300	E	Gear range signal L1	Automatic transmission range switch
301	E	Gear range signal L3	Automatic transmission range switch
302		Not used	
303		Not used	
304	E	RPM speed signal TD	Engine control module
305		Not used	
306	E	Output speed (+)	Transmission valve unit
307		Not used	
308		Not used	
309	A	A-program indication	Program switch
310	E	A/C compressor-ON-signal	Engine control module
311		Not used	
312	E	Brake switch test signal	Brake light switch
313		Not used	
314		Not used	
315		Not used	
316	A	Voltage supply	Shift-lock/Transmission valve unit
317	E	Voltage pressure regulator	Transmission valve unit
318	E	Voltage supply terminal 87	Engine control module relay
319	E	Voltage supply terminal 87	Engine control module relay
320		Not used	
321		Not used	
322		Not used	
323		Not used	
324		Not used	
325		Not used	

E = Input, A = Output, M = Ground



Z3



## Pin Assignments

4-Cylinder

Pin	Type	Description/Function	Connection
326		Not used	
327		Not used	
328		Not used	
329		Not used	
330		Not used	
331		Not used	
332		Not used	
333		Not used	
334		Not used	
335		Not used	
336		Not used	
337		Not used	
338		Not used	
339		Not used	
340		Not used	
341		Not used	
342		Not used	
343		Not used	
344		Not used	
345		Not used	
346	E/A	Jumper plug	
347	E/A	Jumper plug	
348		Not used	
349	E/A	CAN LOW	Engine control module
350	E/A	CAN HIGH	Engine control module
351		Not used	
352	E/A	TxD diagnostic data link	Data link connector

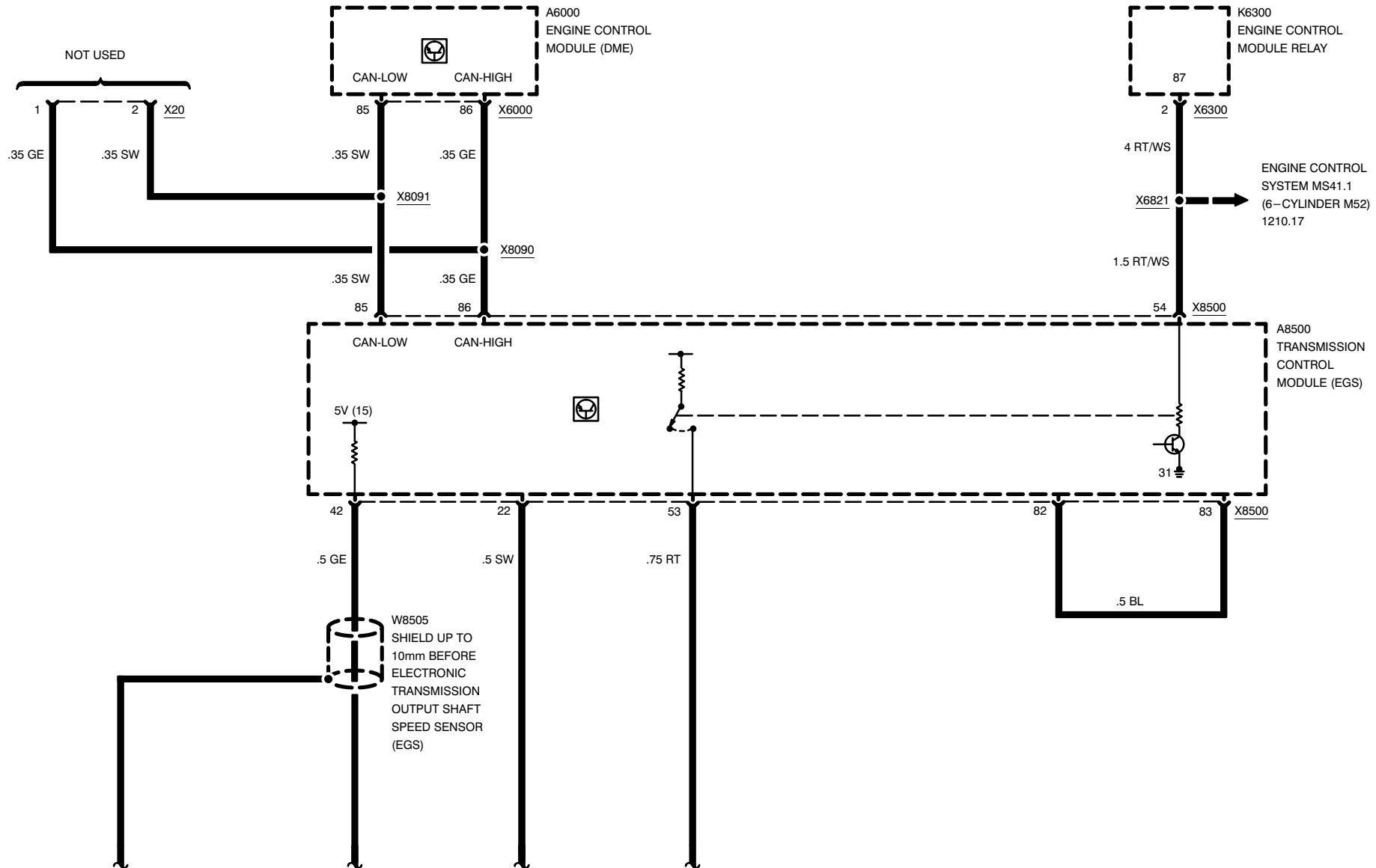
E = Input, A = Output, M = Ground



Z3

# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

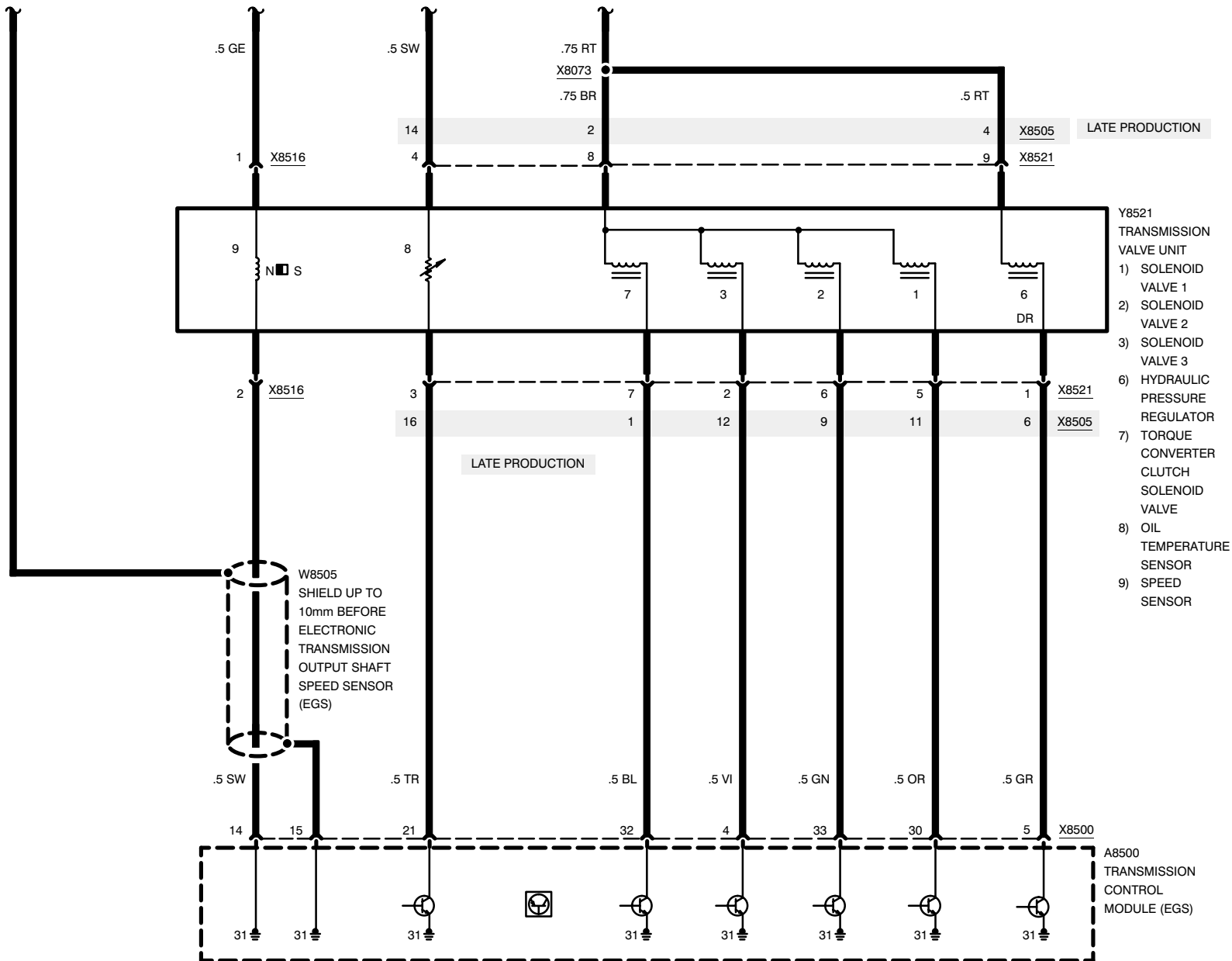
6-CYLINDER



03/98

2460.2-00

1997





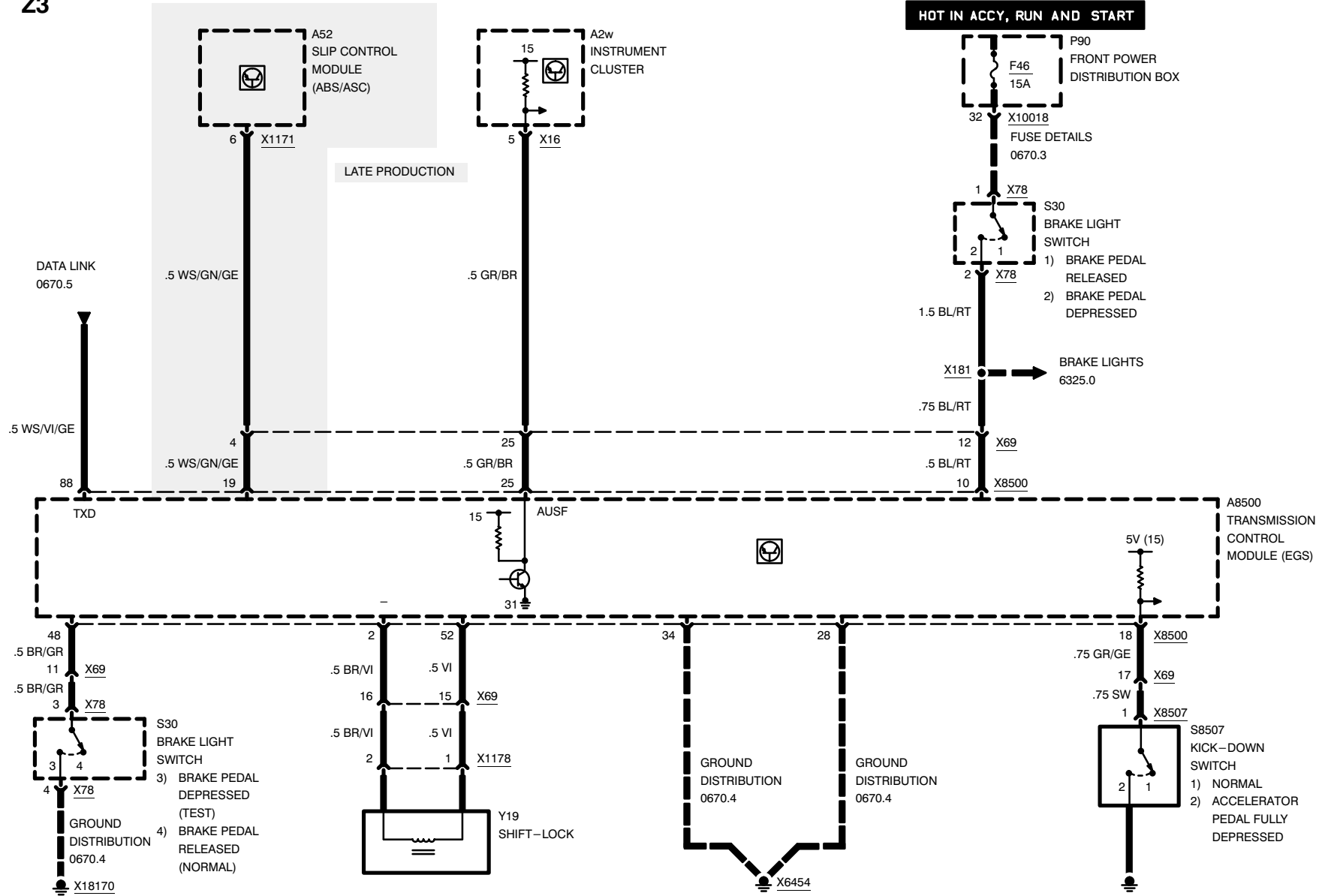


Z3

# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

6-CYLINDER

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



03/98

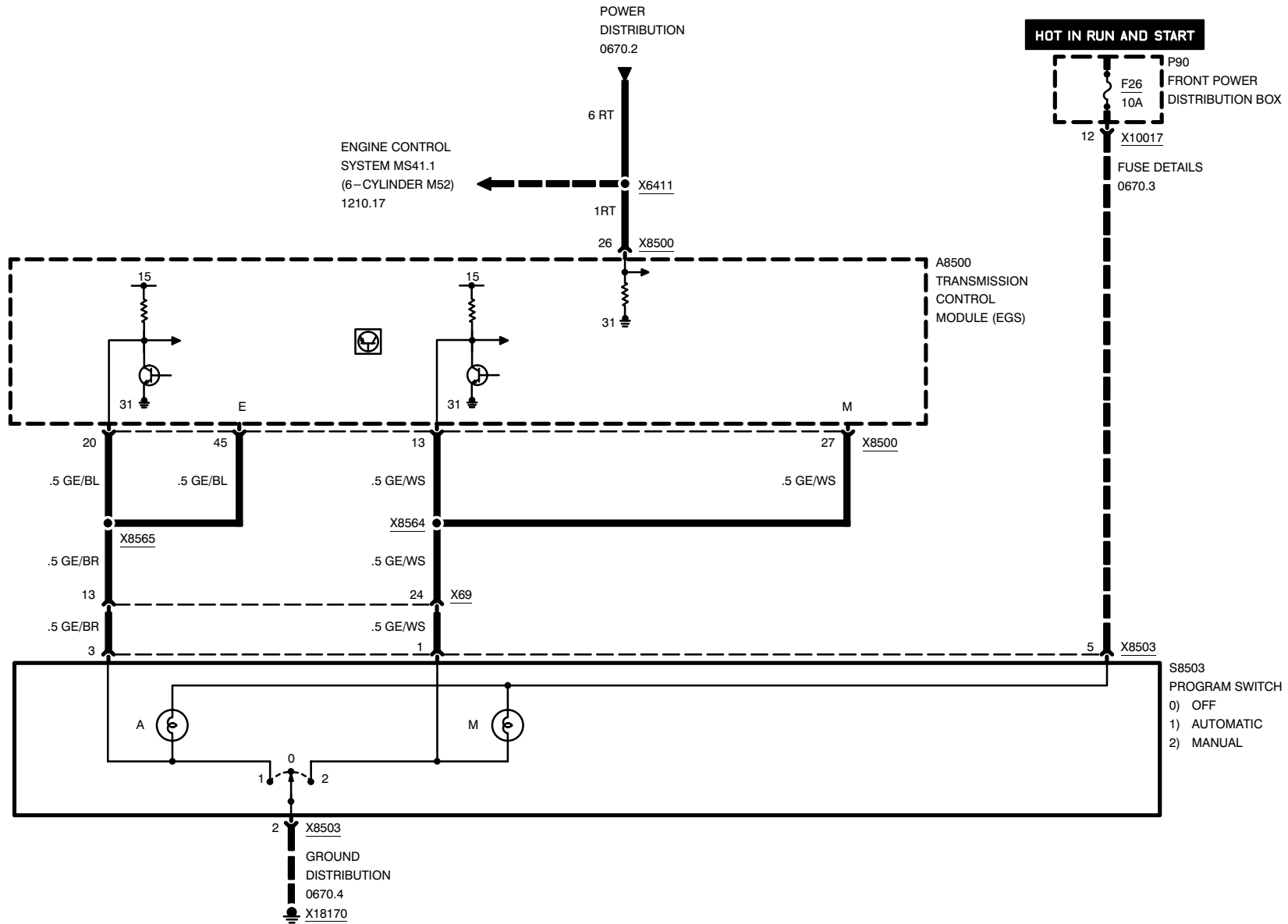
2460.2-02

1997



# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

## 6-CYLINDER



03/98

2460.2-03

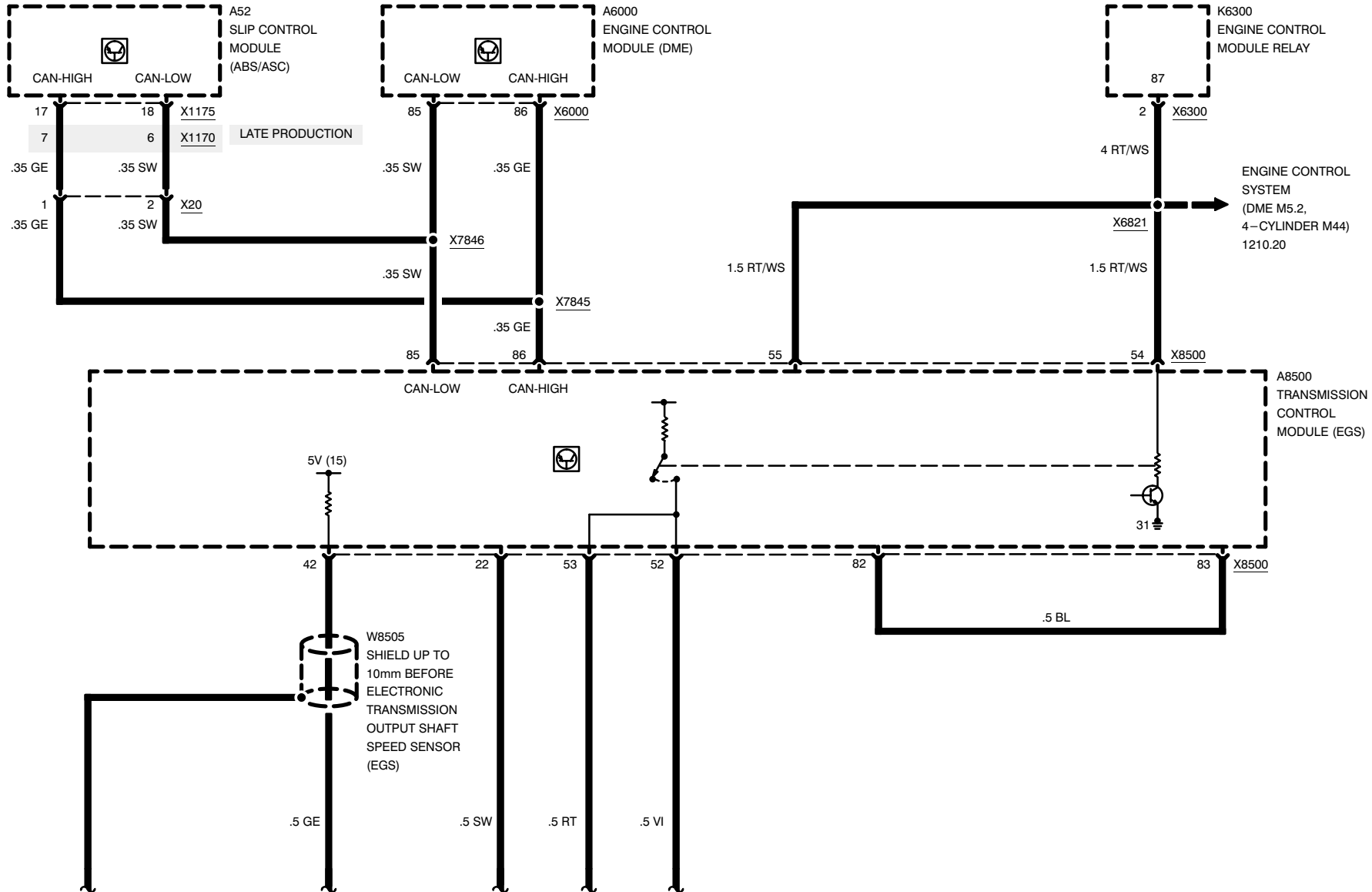
1997



Z3

# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

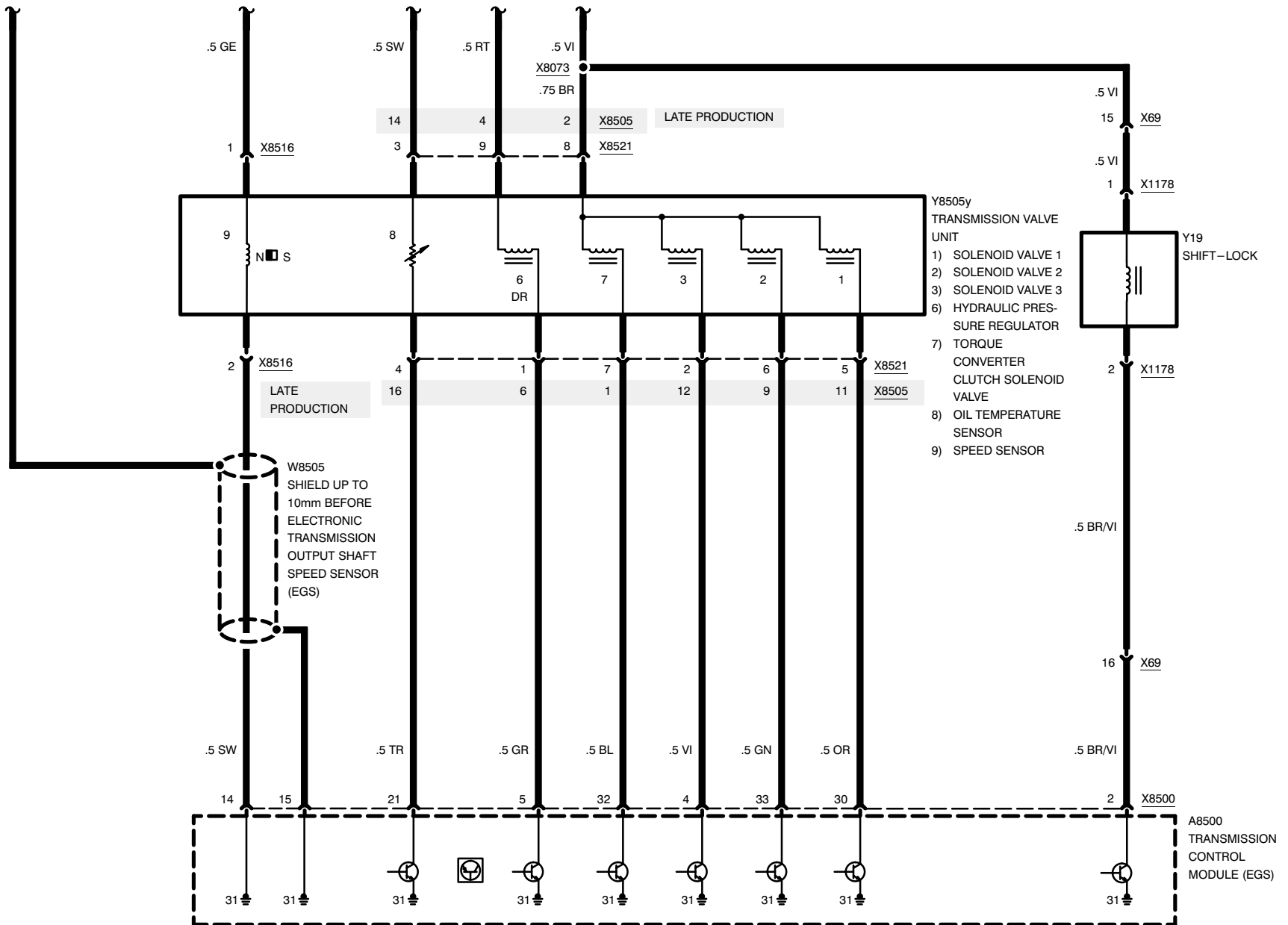
4-CYLINDER



03/98

2460.2-04

1997

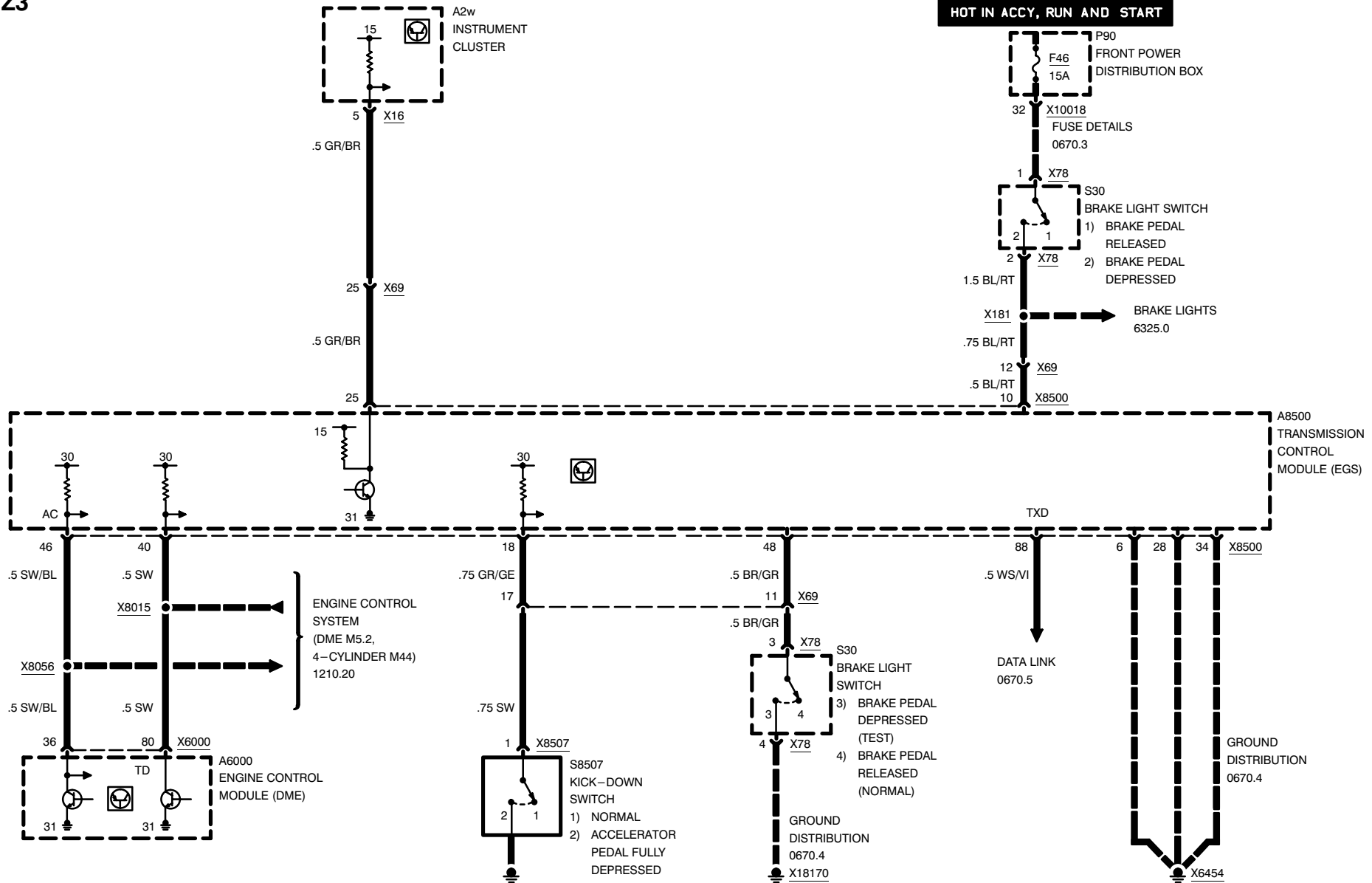




Z3

# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

## 4-CYLINDER



03/98

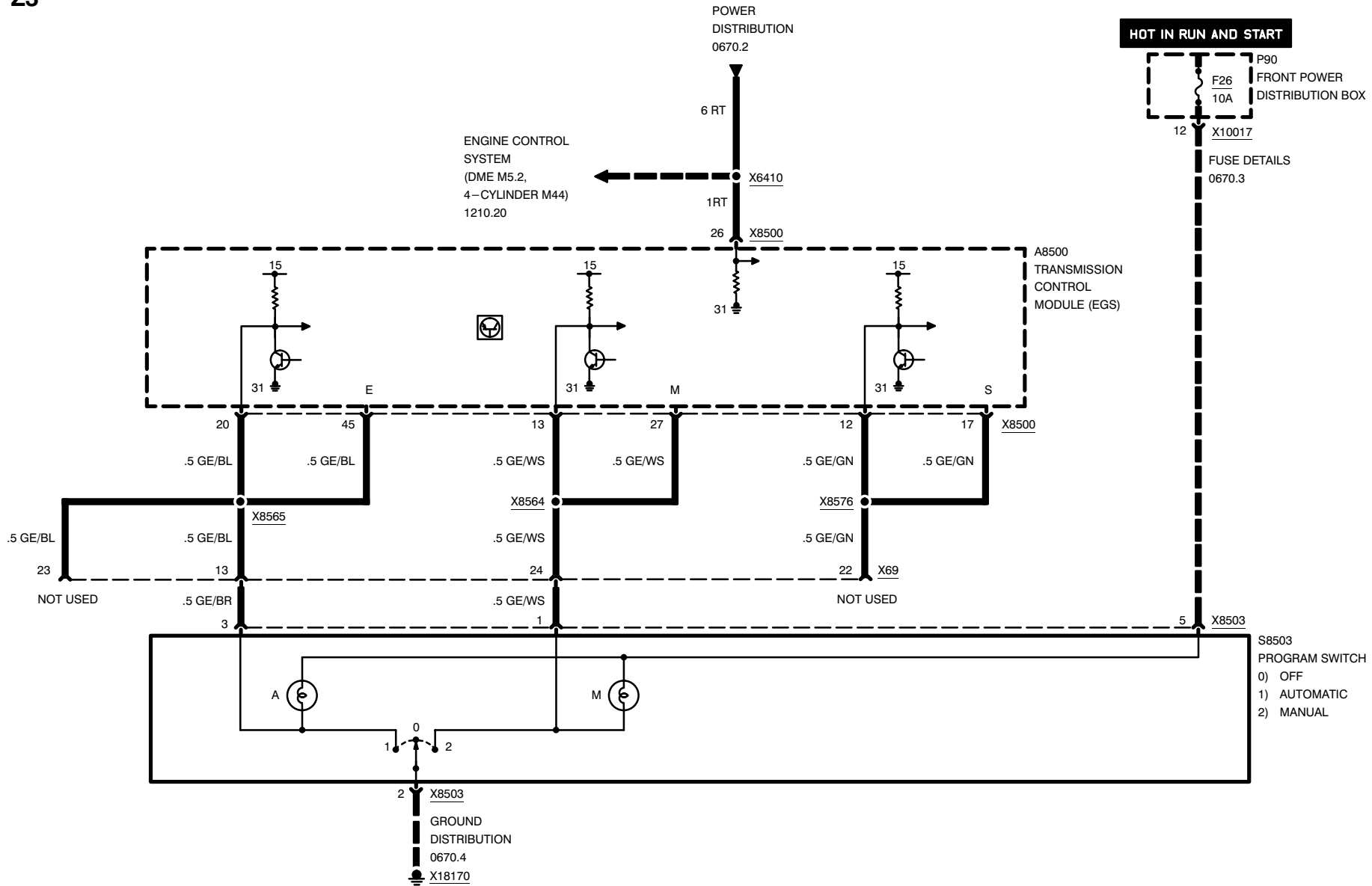
2460.2-06

1997



# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

## 4-CYLINDER



03/98

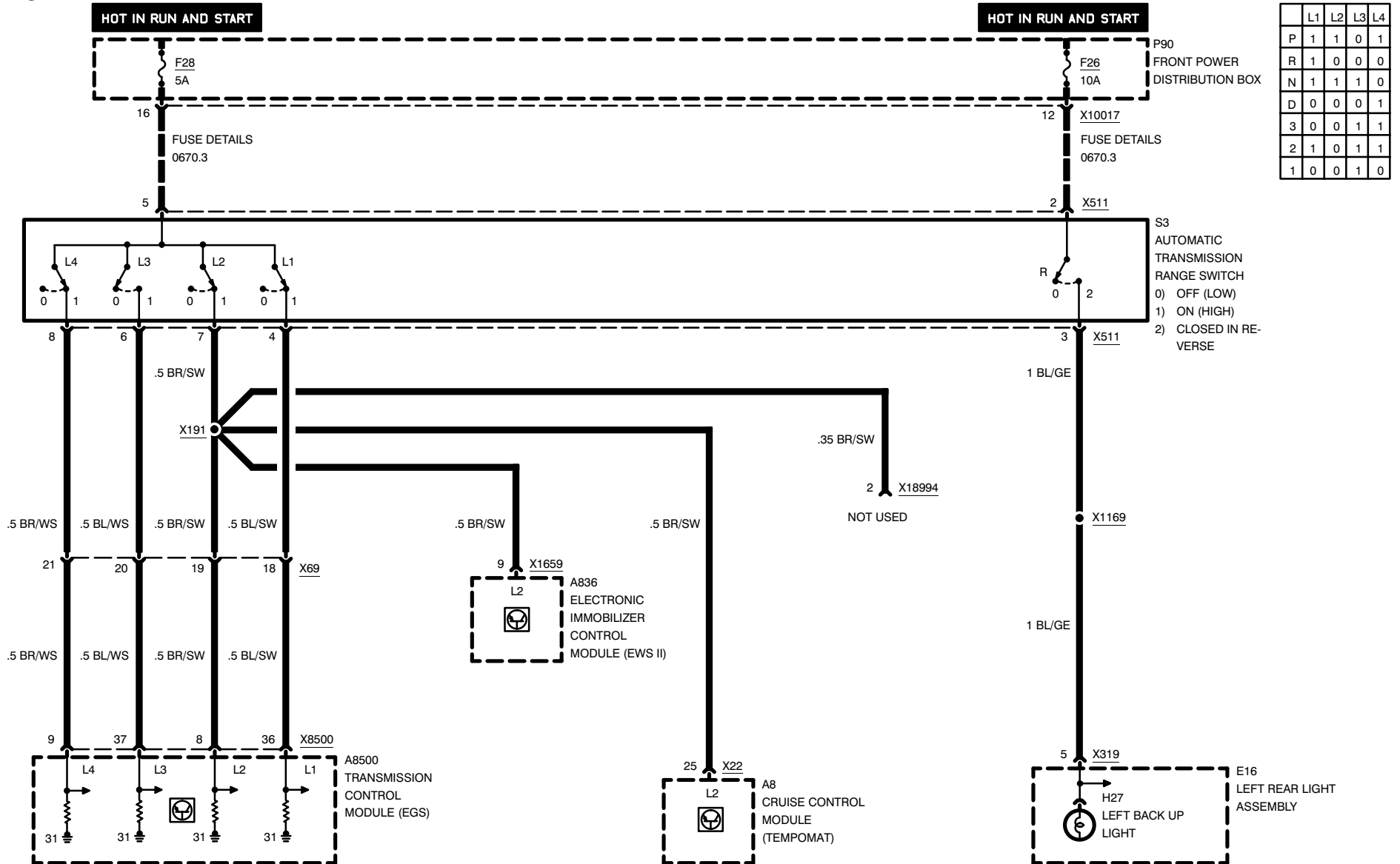
2460.2-07

1997



Z3

# ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

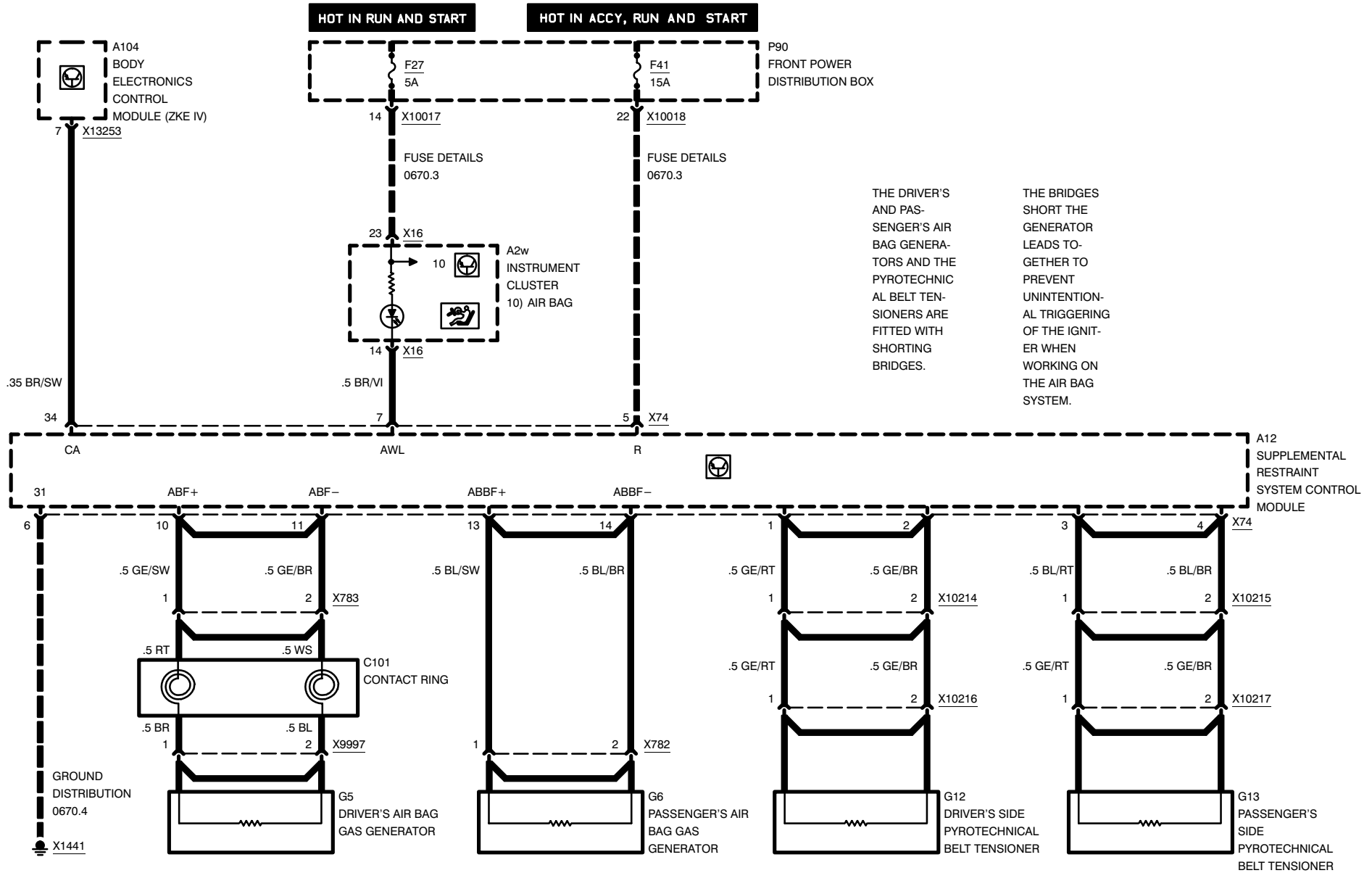


	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
3	0	0	1	1
2	1	0	1	1
1	0	0	1	0



Z3

# SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



03/98

3234.0-00

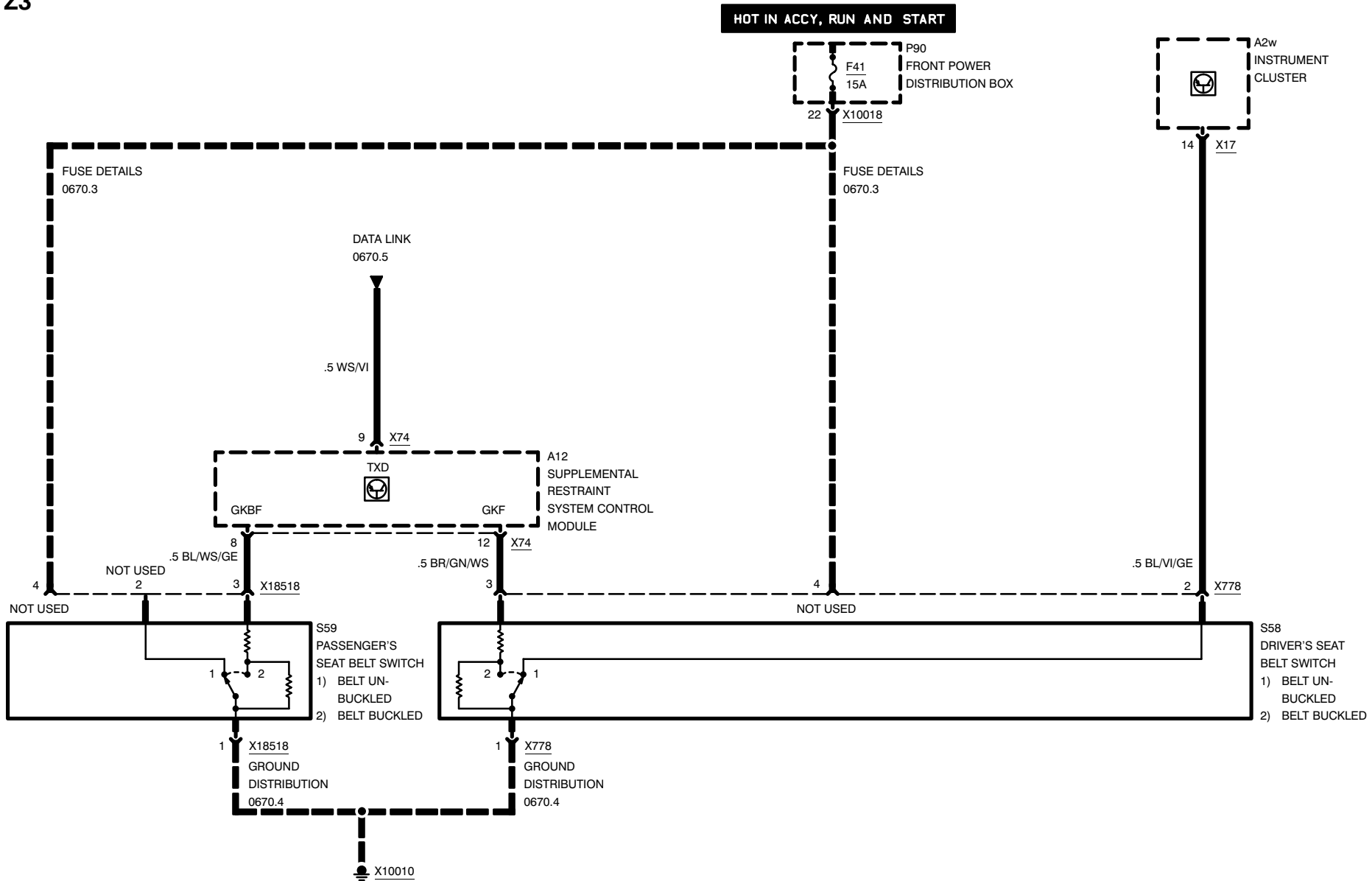
1997





Z3

# SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



03/98

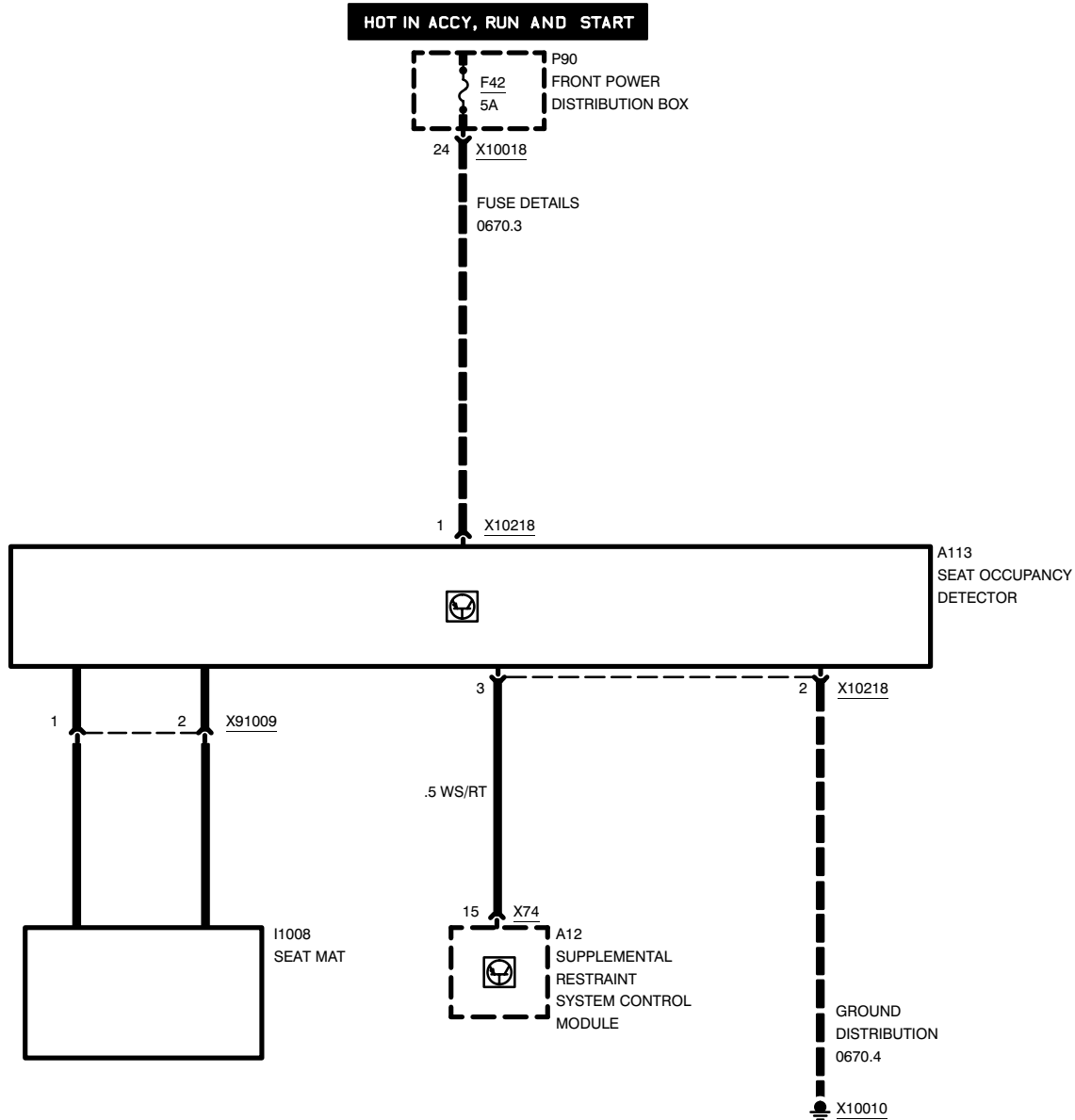
3234.0-01

1997



Z3

# SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



03/98

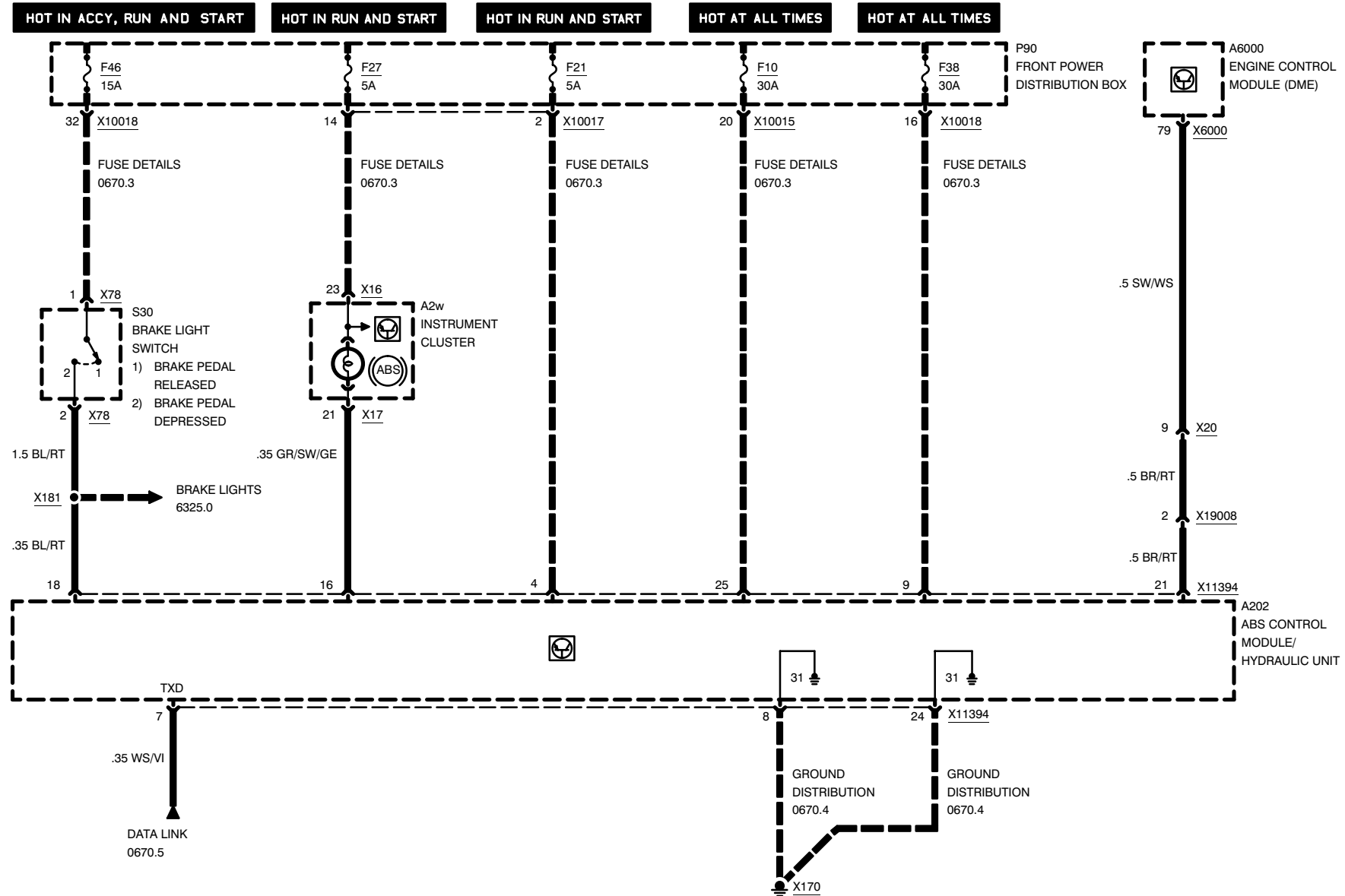
3234.0-02

1997



Z3

# SLIP CONTROL (ABS)



03/98

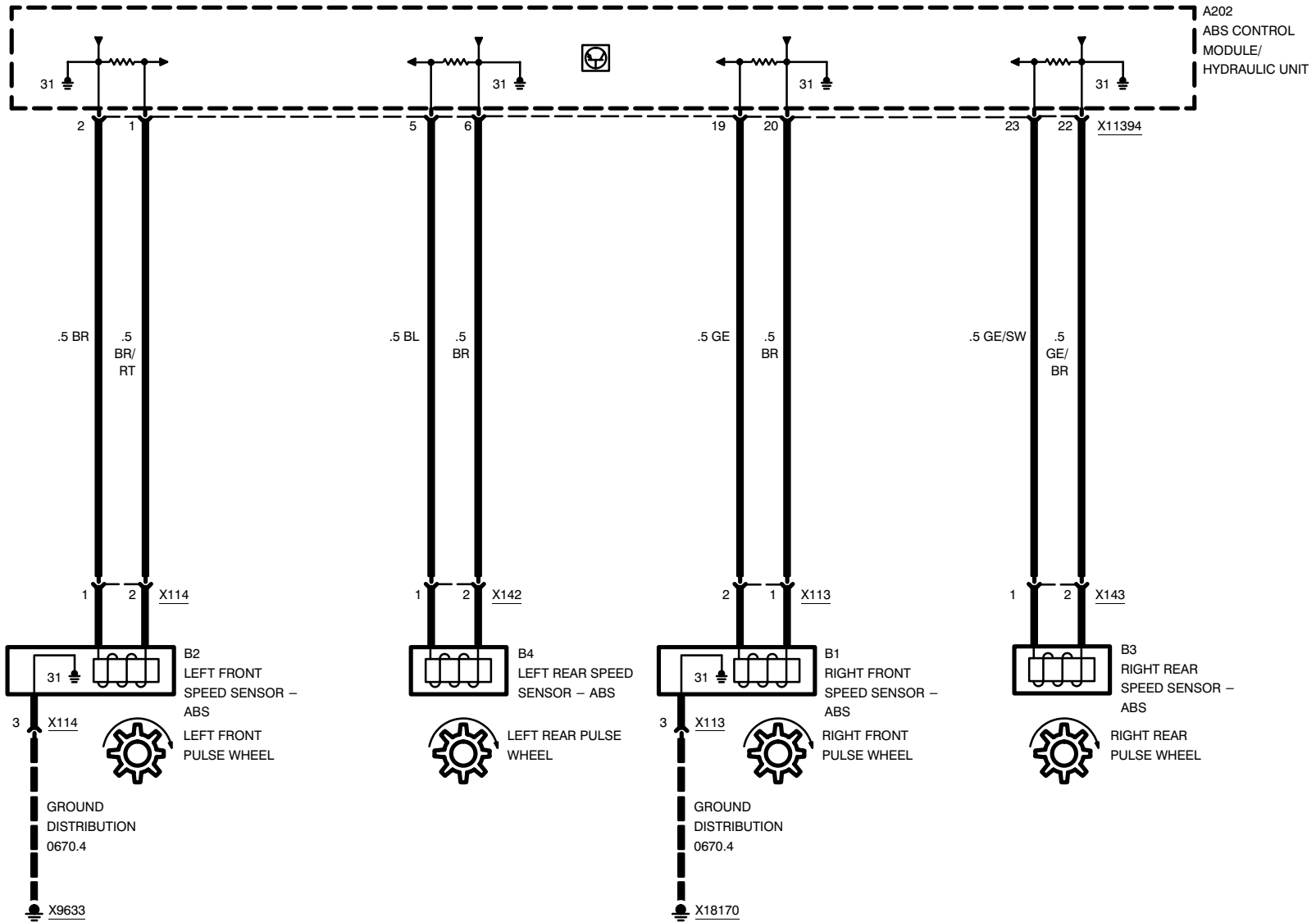
3450.0-00

1997



Z3

# SLIP CONTROL (ABS)

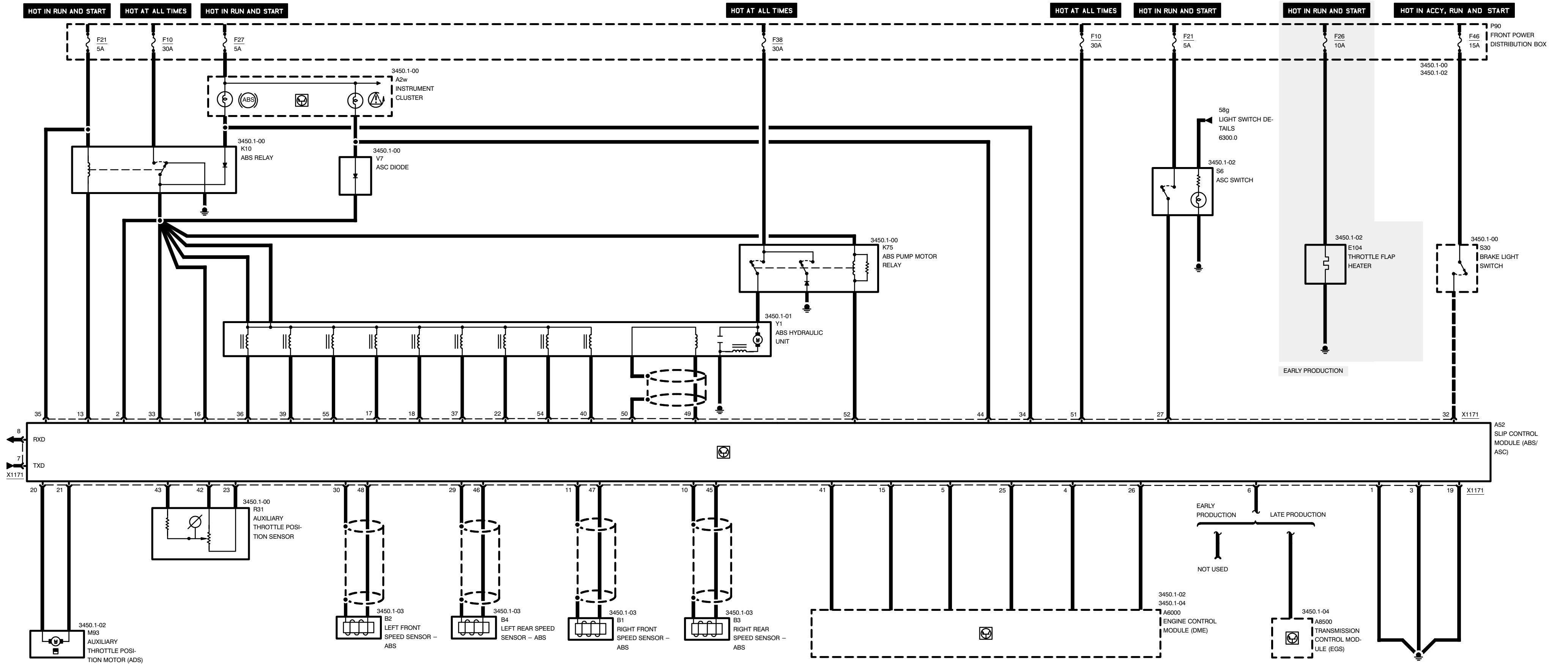


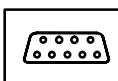
03/98

3450.0-01

1997

6-CYLINDER





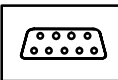
## Pin Assignments

6-Cylinder

### X1171

Pin	Type	Description/Function	Connection
1	M	Ground	Ground
2	E	Battery voltage	ABS relay
3	M	Ground, module	Ground
4	E	Ignition cut-off signal	DME module
5	A	EML signal	DME module
6	A	Transmission influence	Transmission control module Early Production: Not used
7	E/A	TxD signal	Diagnostic link
8	A	RxD signal	Diagnostic link
9		Not used	
10	A	Sensor ground	ABS speed sensor rear right
11	A	Sensor ground	ABS speed sensor front right
12		Not used	
13	A	ABS-power protection relay	ABS power protection relay
14		Not used	
15	A	Right rear speed signal	DME module
16	E	Current	ABS relay
17	A	Solenoid valve signal left rear	ABS hydraulic unit
18	A	Solenoid valve signal left rear	ABS hydraulic unit
19	M	Ground	Ground
20	A	ADS step motor (-)	ADS step motor
21	A	ADS step motor (+)	ADS step motor
22	A	Solenoid valve signal right front	ABS hydraulic unit
23	E	ASC throttle flap potentiometer (-)	ASC throttle flap motor potentiometer
24		Not used	
25	E	Signal idle speed	DME module
26	A	Throttle flap position	DME module
27	E	ASC switch signal	ASC switch
28		Not used	
29	A	Sensor ground	ABS speed sensor rear left

E = Input, A = Output, M = Ground



## Pin Assignments

### 6-Cylinder

Pin	Type	Description/Function	Connection
30	A	Sensor ground	ABS speed sensor front left
31		Not used	
32	E	Brake signal	Brake light switch
33	E	Plus supply	ABS protection relay
34	A	ABS lamp control	Instrument cluster
35	E	Ignition signal	Fuse 21
36	A	Solenoid valve	ABS hydraulic unit
37	A	Solenoid valve signal right front	ABS hydraulic unit
38		Not used	
39	A	Solenoid valve signal right rear	ABS hydraulic unit
40	A	Solenoid valve signal left front	ABS hydraulic unit
41	E	Speed signal	DME module
42	E	ASC throttle flap potentiometer (+)	ASC throttle flap potentiometer
43	E	ASC throttle flap signal	ASC throttle flap potentiometer
44	A	ASC lamp control	Instrument cluster
45	E	Speed sensor signal rear right	Speed sensor rear right
46	E	Speed sensor signal rear left	Speed sensor rear left
47	E	Speed sensor signal front right	Speed sensor front right
48	E	Speed sensor signal front left	Speed sensor front left
49	E	Pump motor sensor signal	ABS hydraulic unit
50	E	Shield pump motor sensor	ABS hydraulic unit
51	E	Plus supply	Front power distribution box, fuse 10
52	A	ABS pump motor relay	ABS pump motor relay
53		Not used	
54	A	Solenoid valve signal left front	ABS hydraulic unit
55	A	Solenoid valve signal left rear	ABS hydraulic unit

E = Input, A = Output, M = Ground



# SLIP CONTROL (ABS/ASC)

## 6-CYLINDER

### Z3

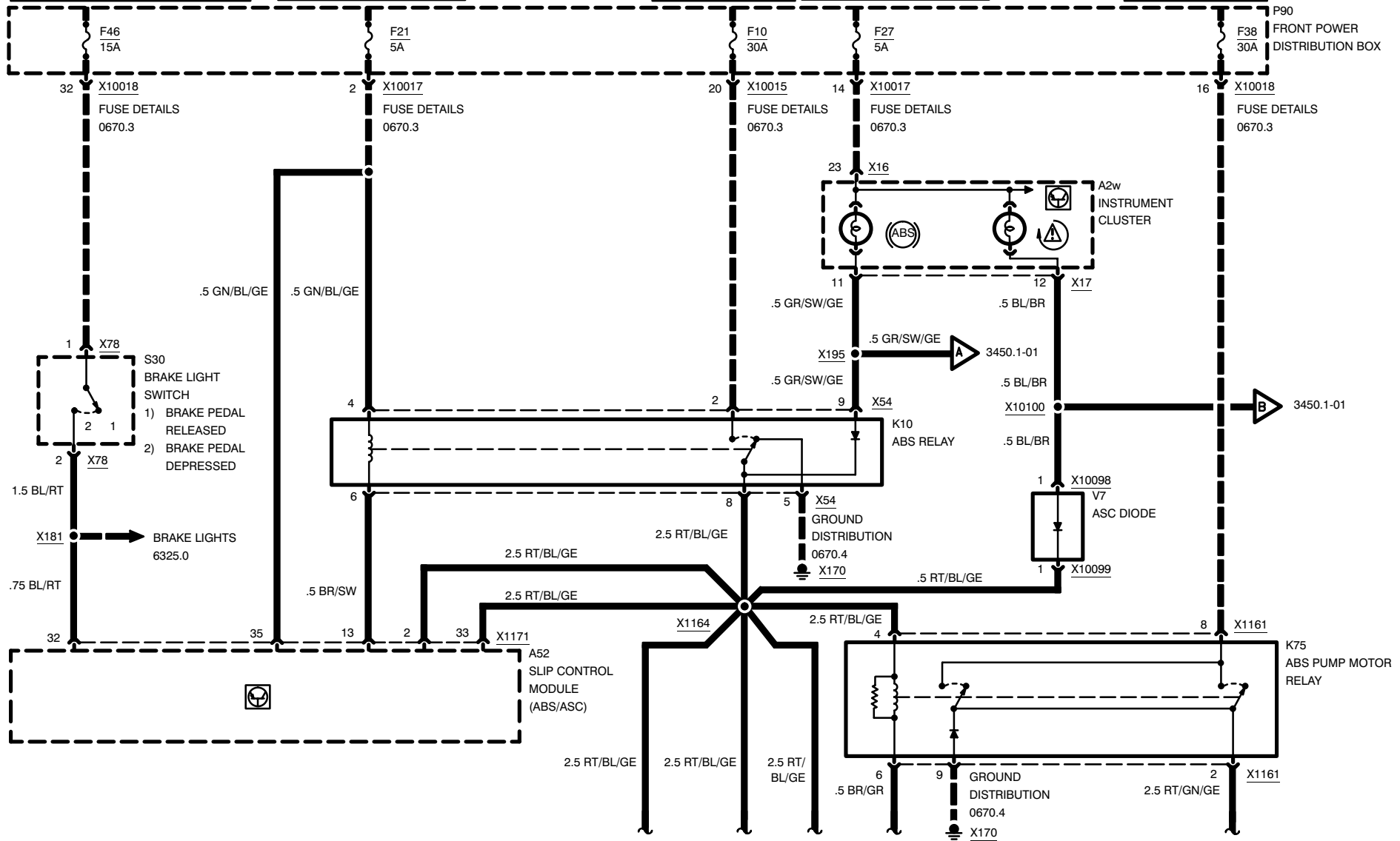
HOT IN ACCY, RUN AND START

HOT IN RUN AND START

HOT AT ALL TIMES

HOT IN RUN AND START

HOT AT ALL TIMES

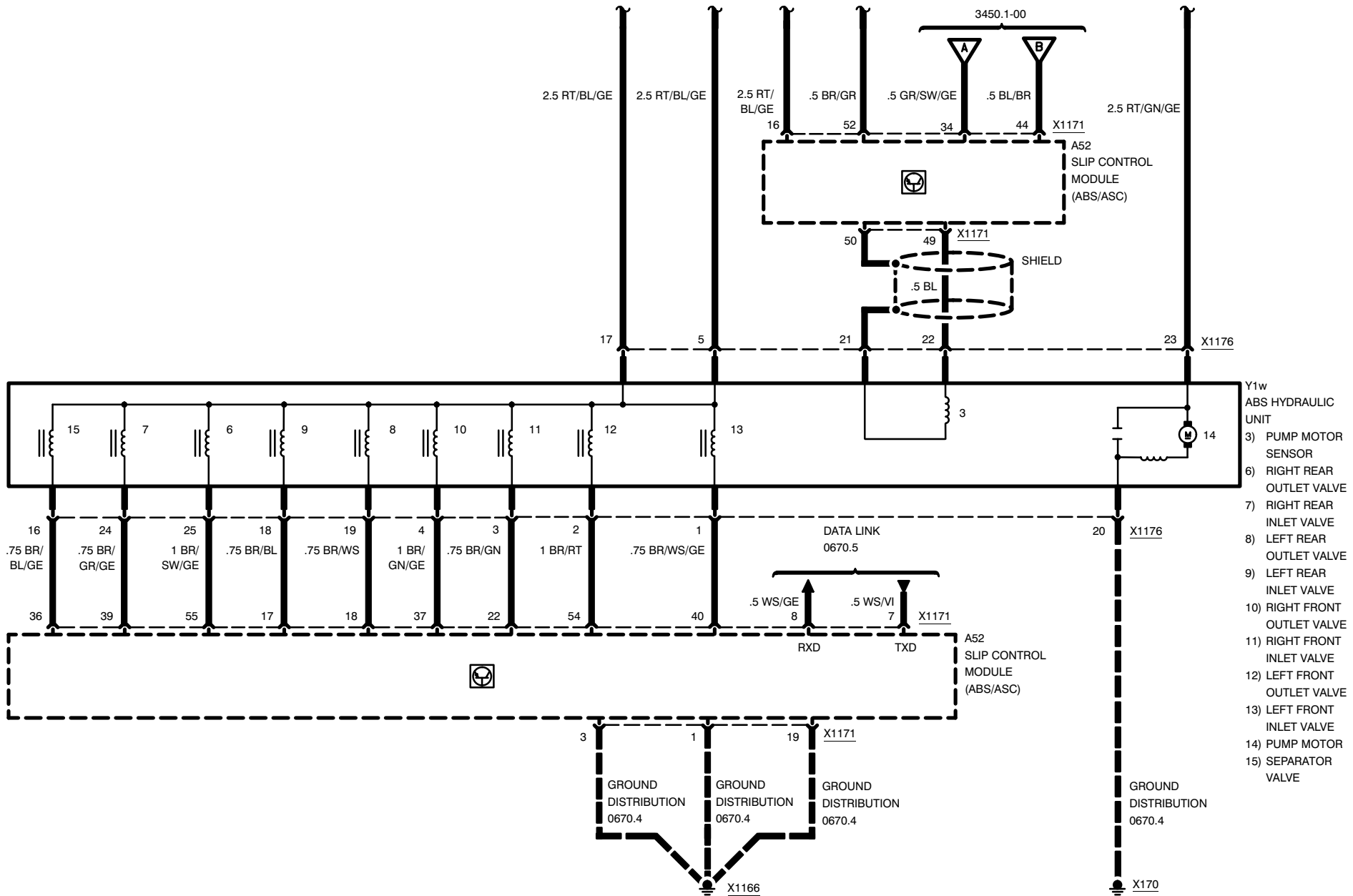


03/98

3450.1-00

1997



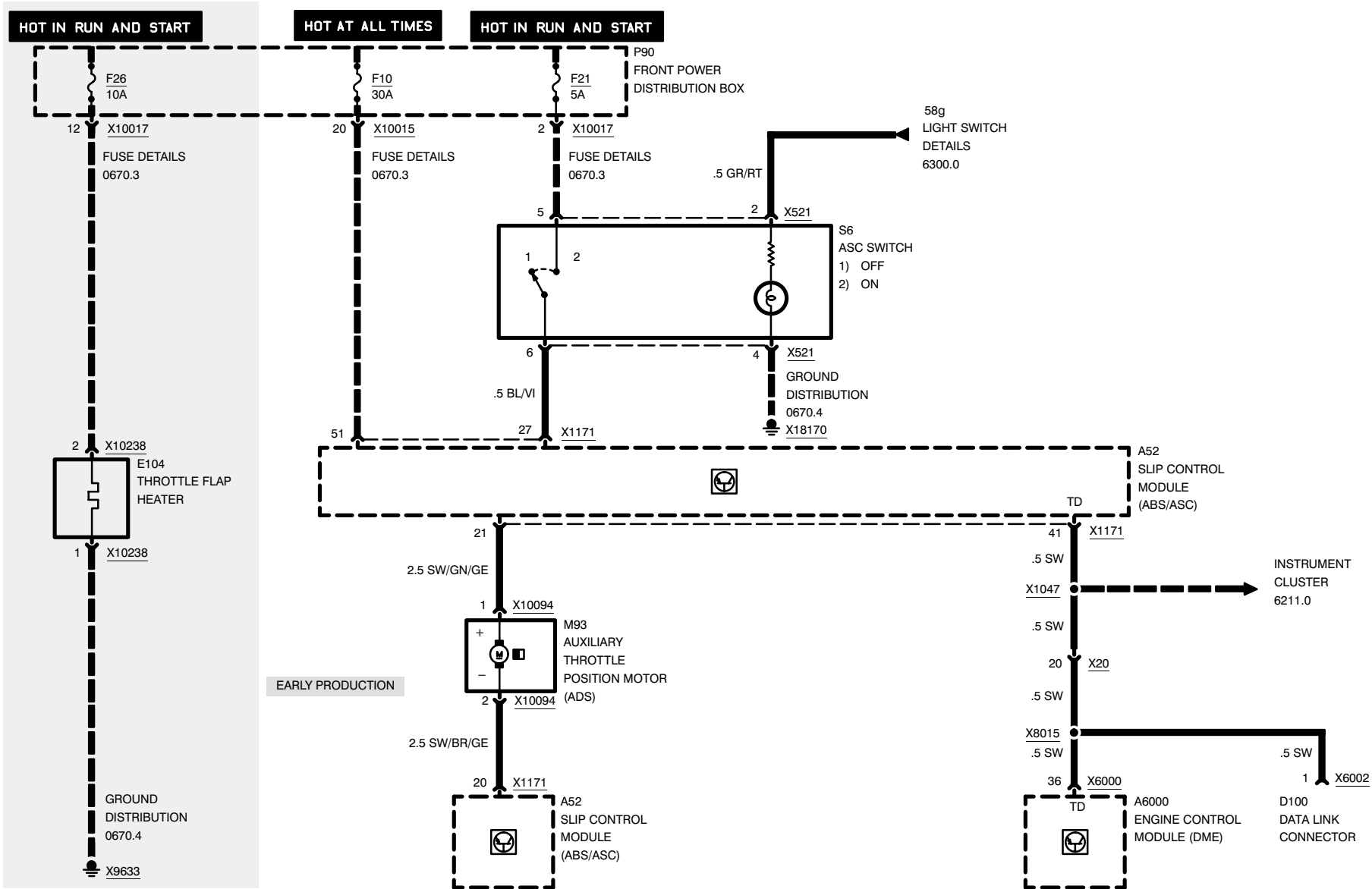




# SLIP CONTROL (ABS/ASC)

6-CYLINDER

Z3



03/98

3450.1-02

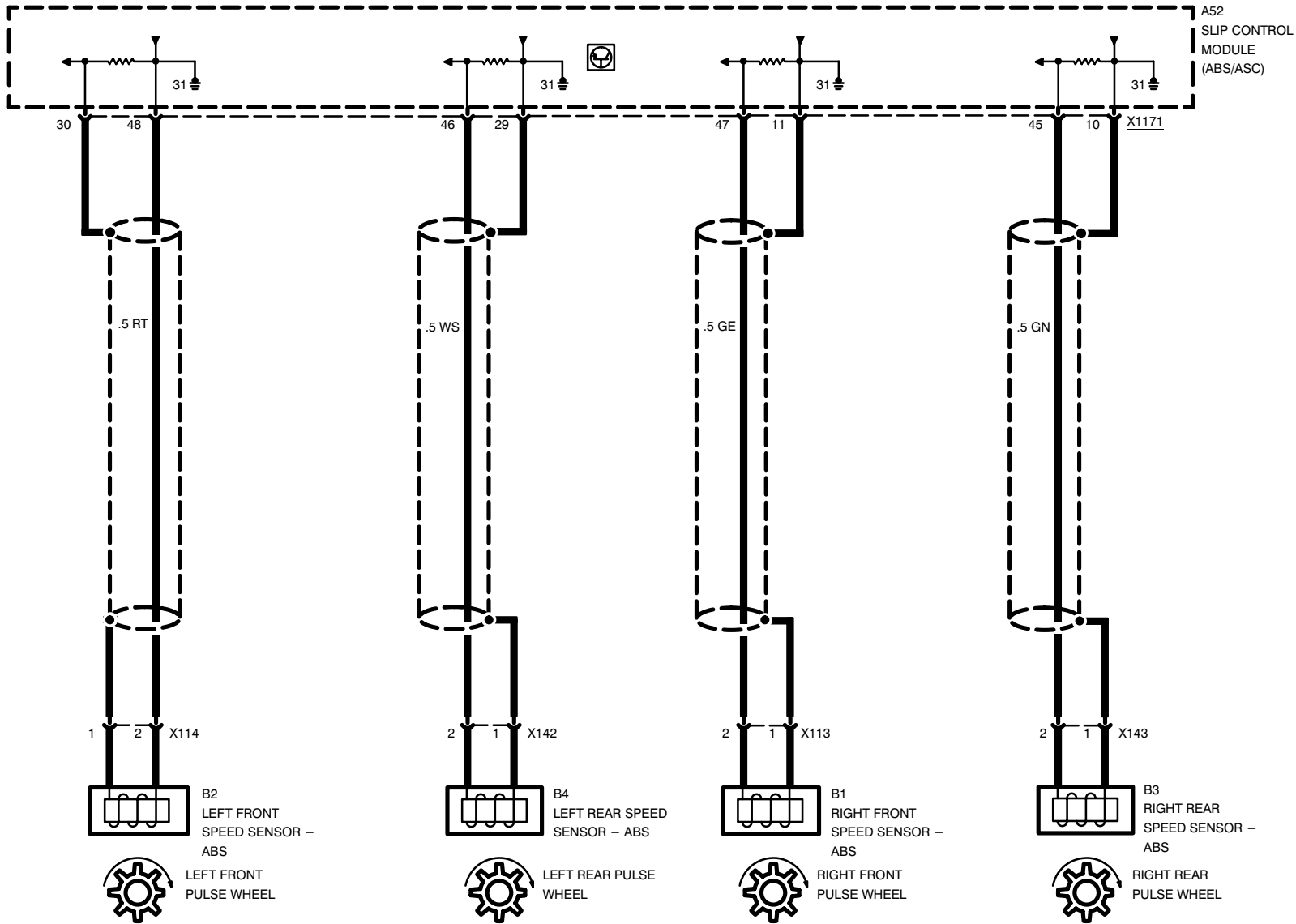
1997



Z3

# SLIP CONTROL (ABS/ASC)

6-CYLINDER



03/98

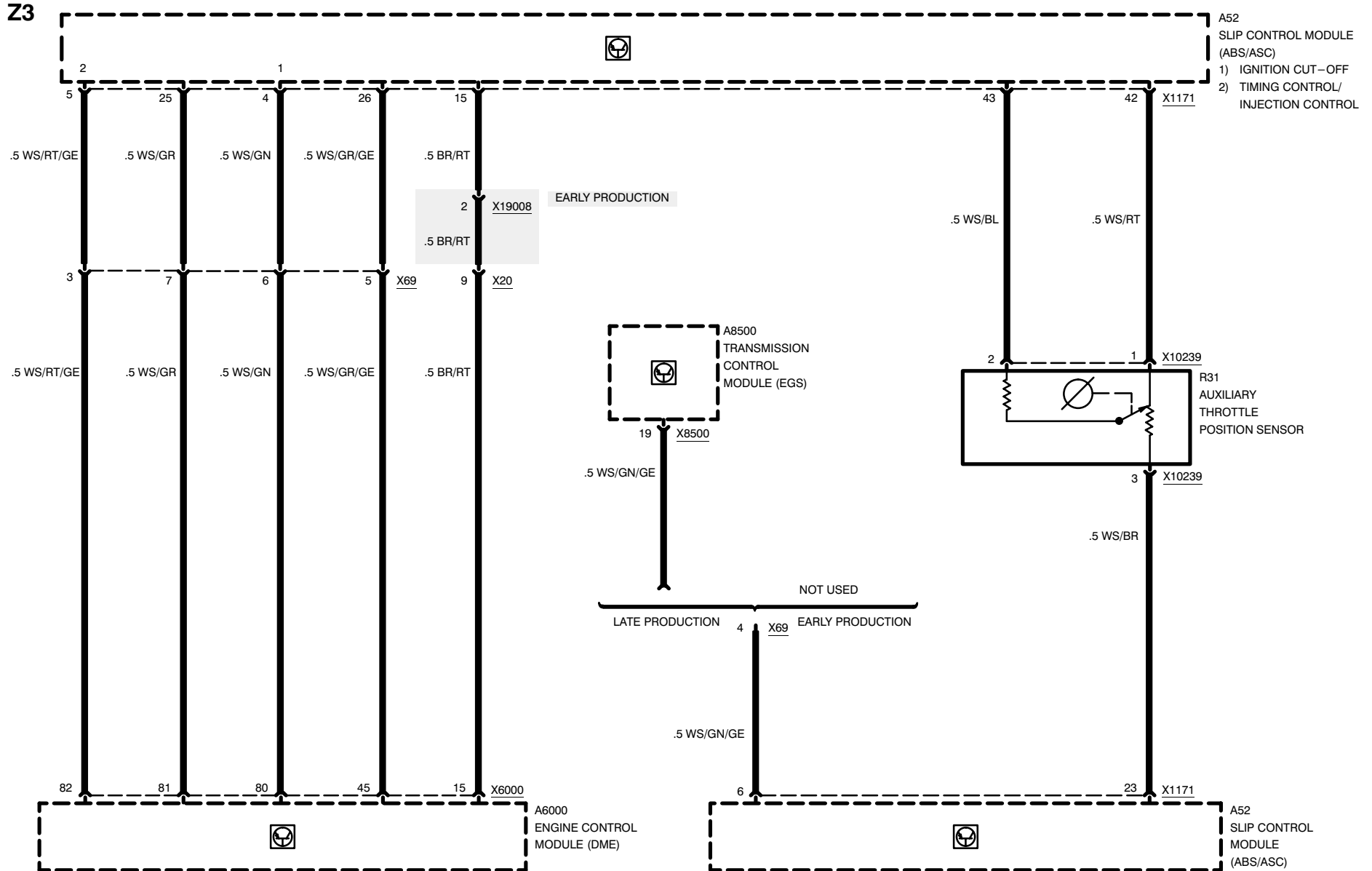
3450.1-03

1997



# SLIP CONTROL (ABS/ASC)

## 6-CYLINDER

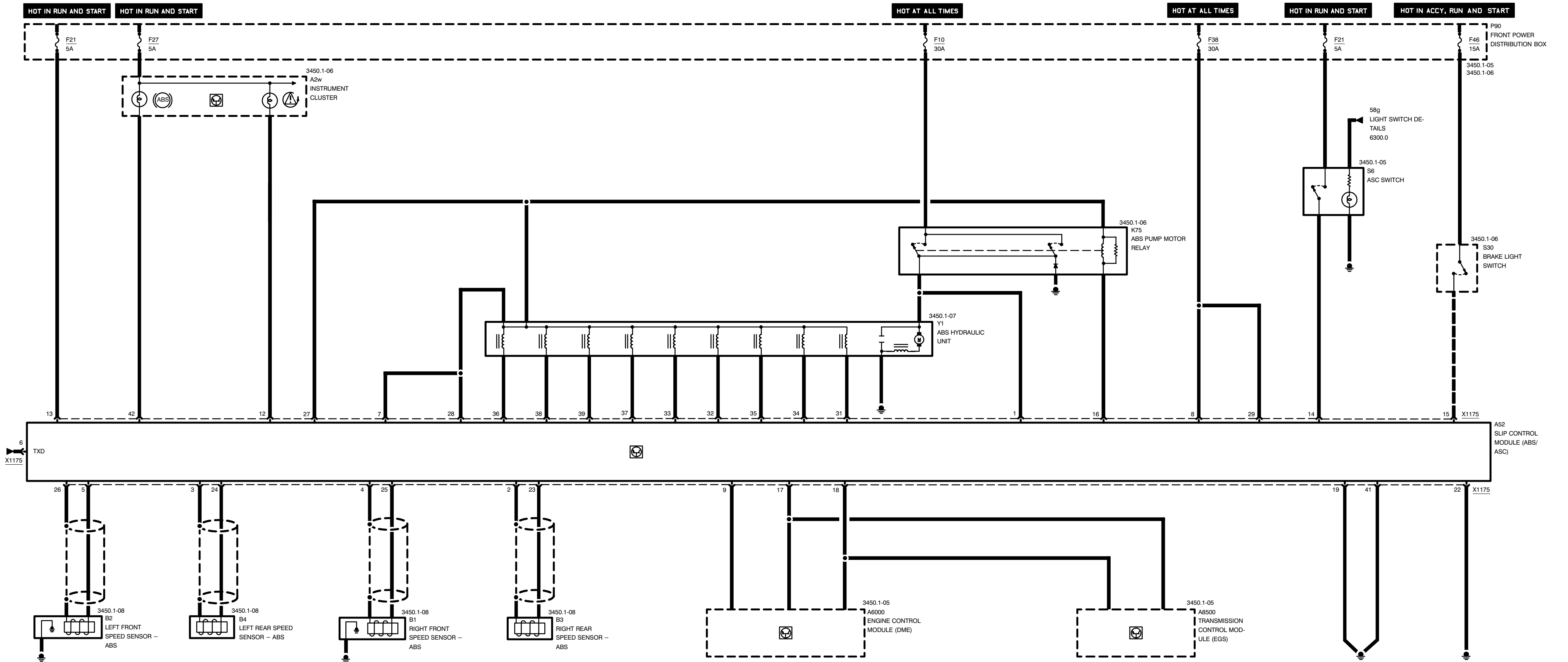


03/98

3450.1-04

1997

4-CYLINDER EARLY PRODUCTION

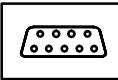




03/98

3450.1b-a

1997



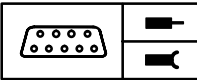
## Pin Assignments

4-Cylinder  
Early Production

### X1175

Pin	Type	Description/Function	Connection
1	E	Signal pump motor	ABS pump motor relay
2	A	Sensor ground	Right rear speed sensor – ABS
3	A	Sensor ground	Left rear speed sensor – ABS
4	A	Sensor ground	Right front speed sensor – ABS
5	A	Sensor ground	Left front speed sensor – ABS
6	E/A	TxD diagnostic data link	Data link connector
7	A	ABS signal	ABS hydraulic unit
8	E	Voltage supply	Fuse 38
9	A	Speed signal right rear	DME module
10		Not used	
11		Not used	
12	A	ASC signal	Instrument cluster
13	E	Voltage supply	Fuse 21
14	E	ASC signal	ASC switch
15	E	Brake pedal position	Brake light switch
16	A	Activate relay	ABS pump motor relay
17	E/A	CAN HIGH	DME/EGS module
18	E/A	CAN LOW	DME/EGS module
19	M	Ground	Ground point
20		Not used	
21		Not used	
22	M	Ground	Ground point
23	E	Speed signal	Right rear speed sensor – ABS
24	E	Speed signal	Left rear speed sensor – ABS
25	E	Speed signal	Right front speed sensor – ABS
26	E	Speed signal	Left front speed sensor – ABS
27	A	ABS signal	ABS pump motor relay/Hydraulic unit
28	A	ABS signal	ABS hydraulic unit
29	E	Voltage supply	Fuse 38
30		Not used	

E = Input, A = Output, M = Ground



## Pin Assignments

**4-Cylinder  
Early Production**

Pin	Type	Description/Function	Connection
31	A	Seperator valve	ABS hydraulic unit
32	A	Left rear inlet valve	ABS hydraulic unit
33	A	Left rear outlet valve	ABS hydraulic unit
34	A	Right rear inlet valve	ABS hydraulic unit
35	A	Right rear outlet valve	ABS hydraulic unit
36	A	Left front outlet valve	ABS hydraulic unit
37	A	Right front outlet valve	ABS hydraulic unit
38	A	Left front inlet valve	ABS hydraulic unit
39	A	Right front inlet valve	ABS hydraulic unit
40		Not used	
41	M	Ground	Ground point
42	A	ABS signal	Instrument cluster

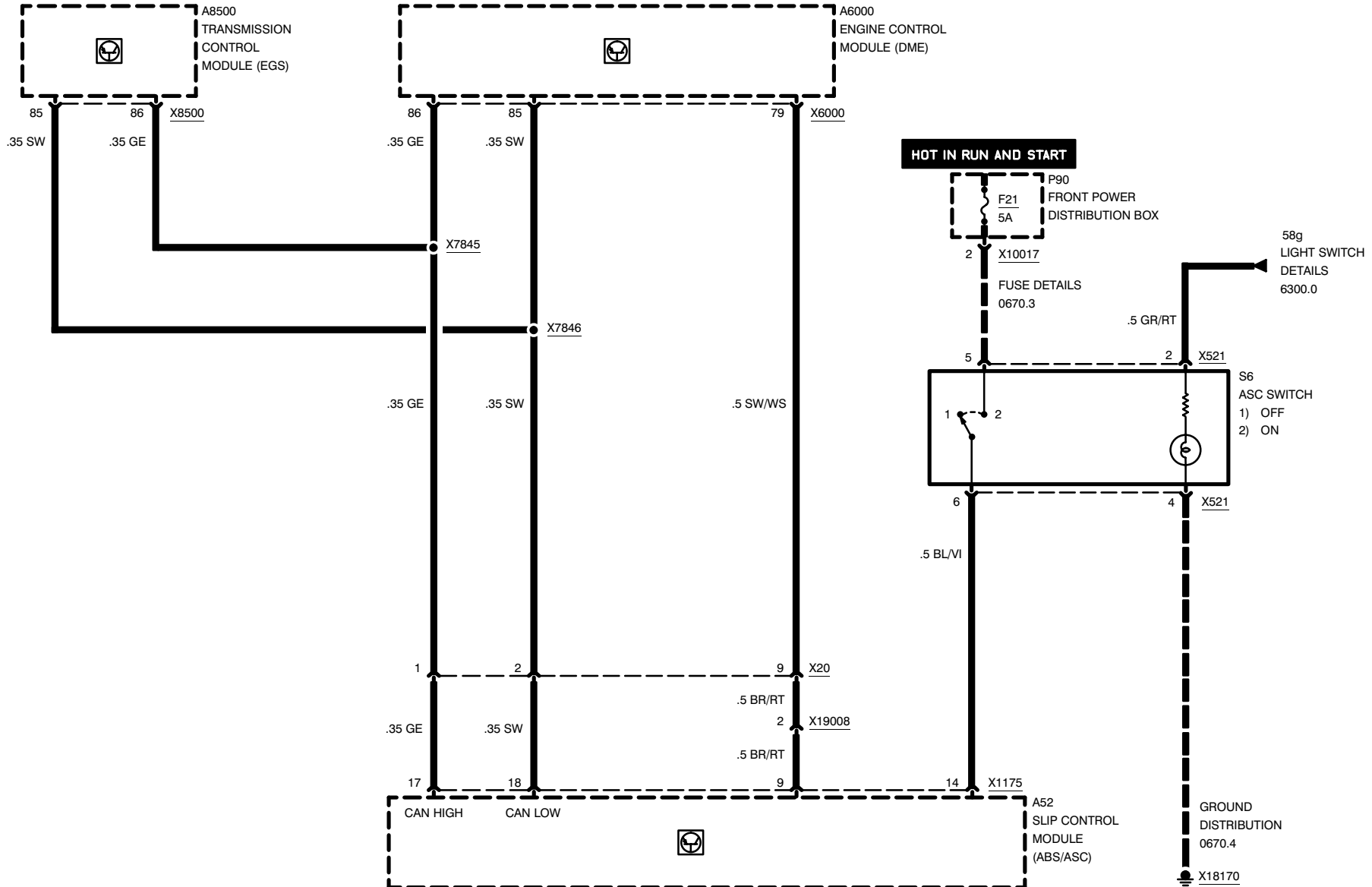
E = Input, A = Output, M = Ground



# SLIP CONTROL (ABS/ASC)

## 4-CYLINDER EARLY PRODUCTION

Z3



03/98

3450.1-05

1997

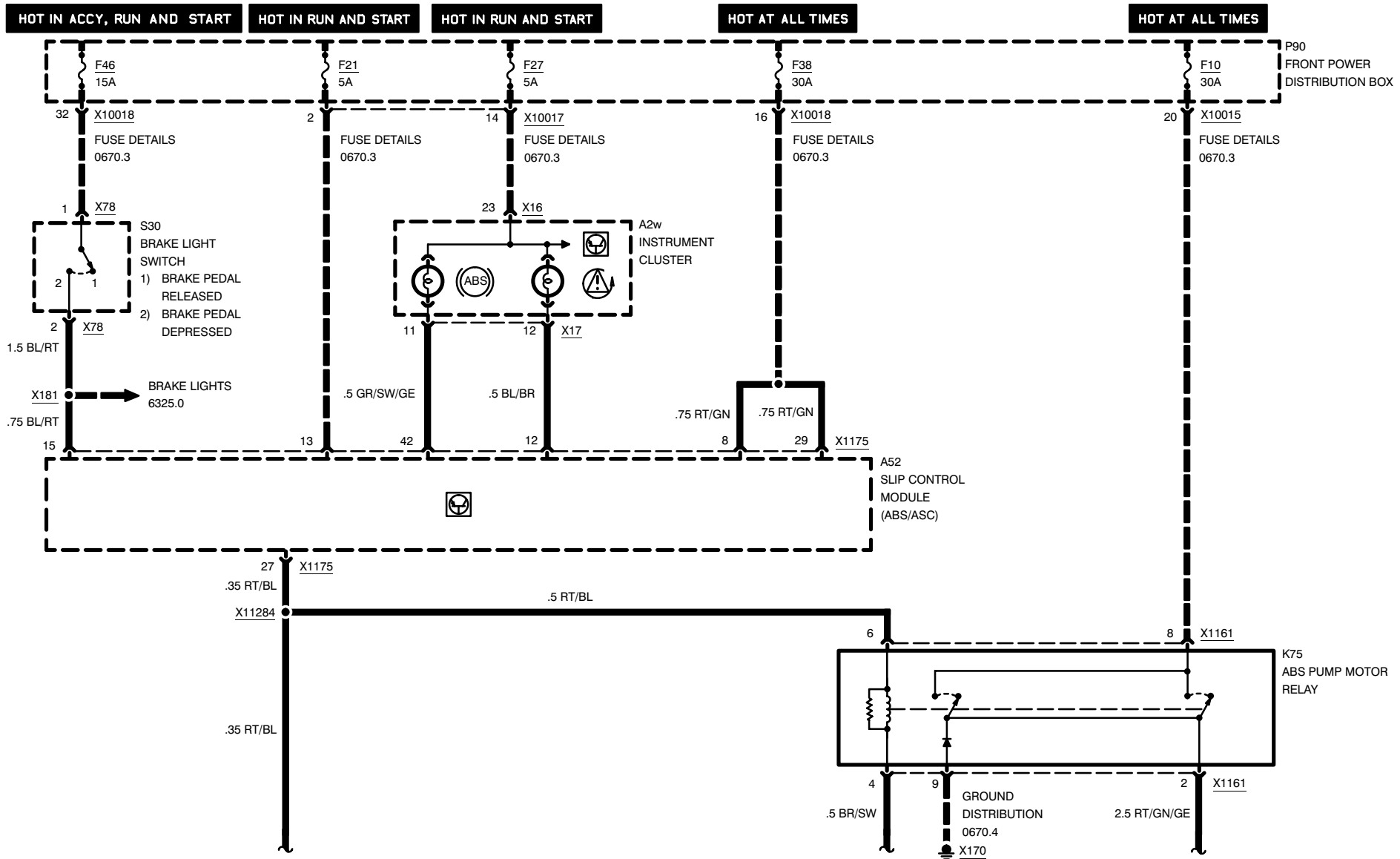




Z3

# SLIP CONTROL (ABS/ASC)

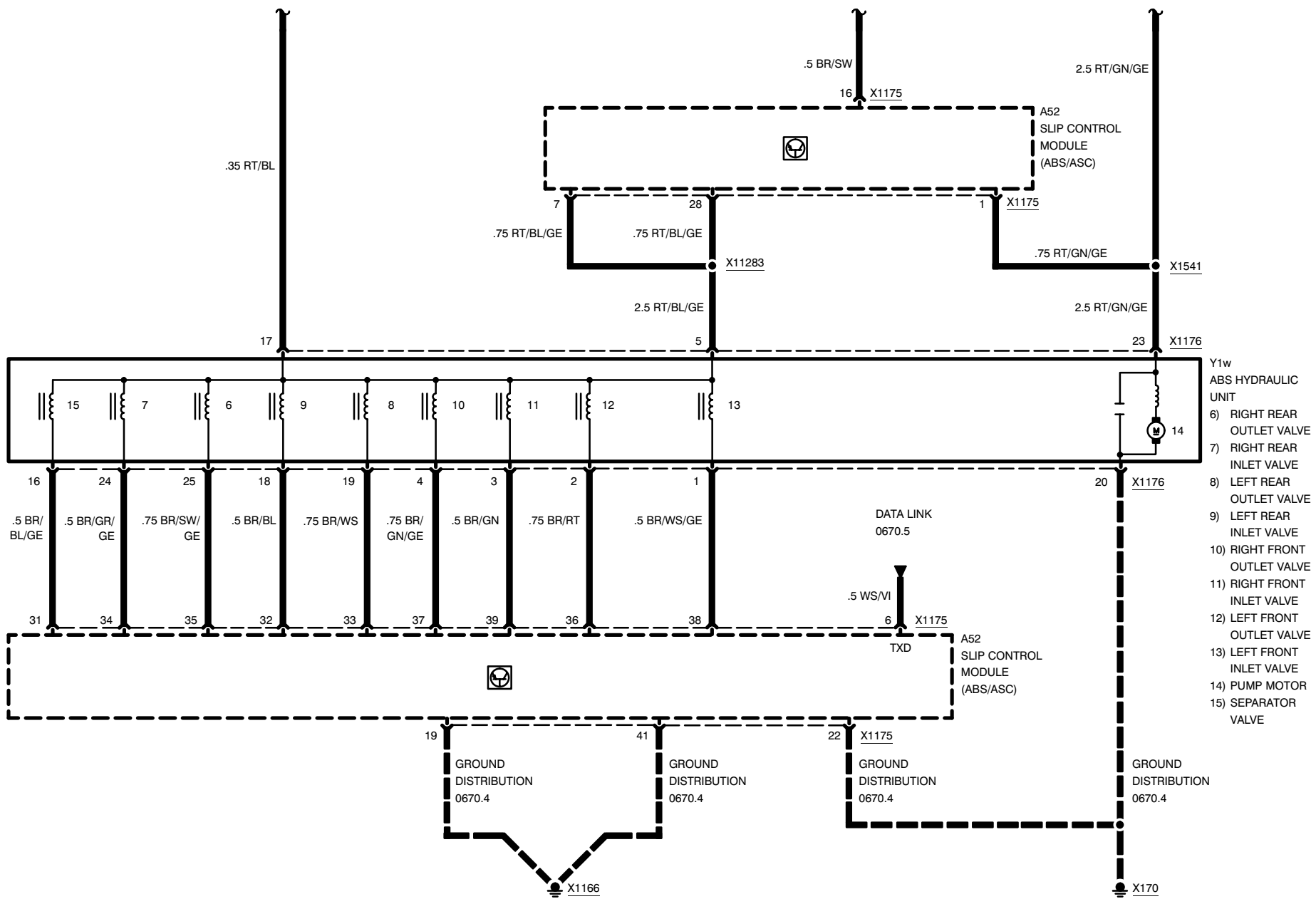
## 4-CYLINDER EARLY PRODUCTION



03/98

3450.1-06

1997



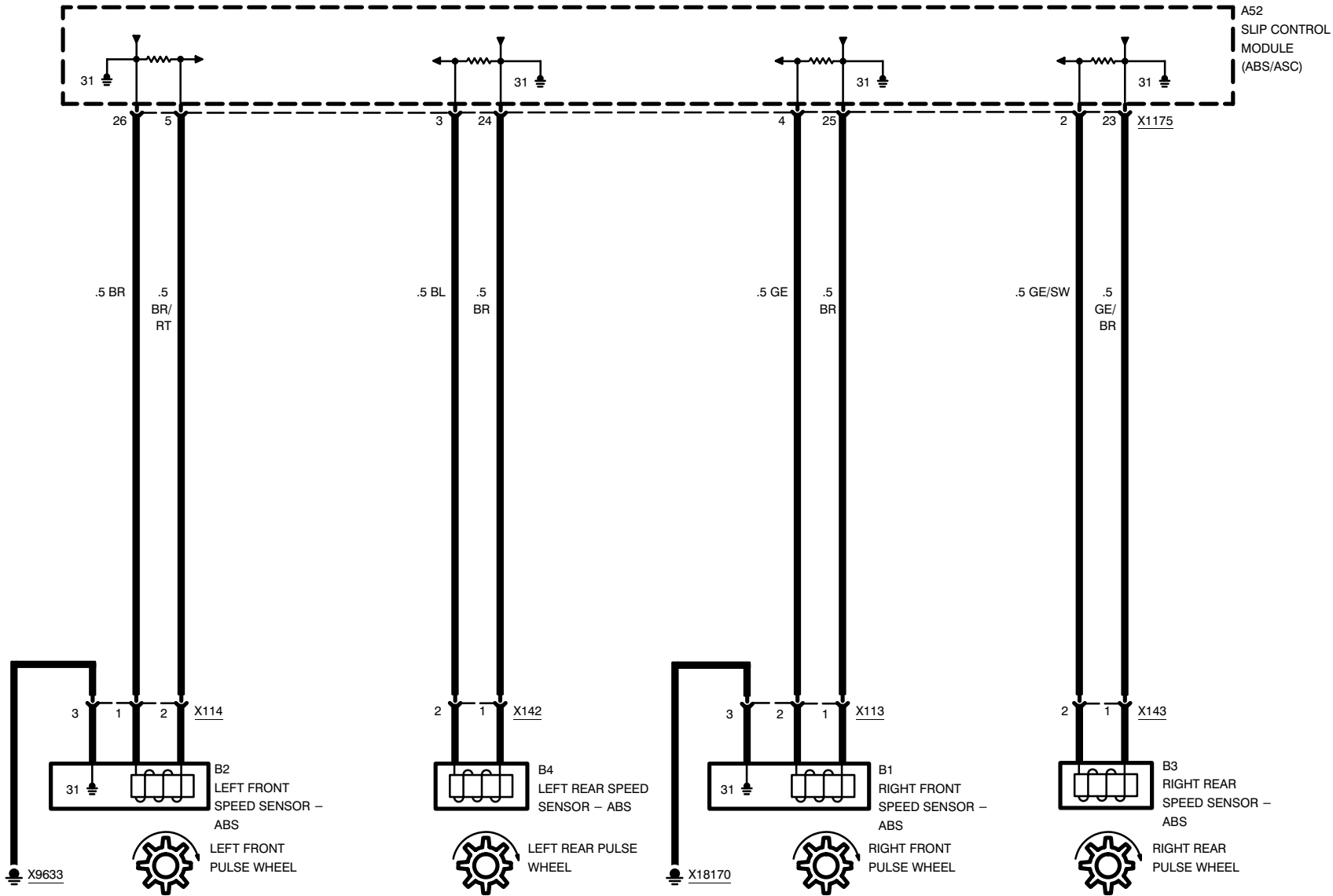
- Y1w  
ABS HYDRAULIC  
UNIT
- 6) RIGHT REAR  
OUTLET VALVE
  - 7) RIGHT REAR  
INLET VALVE
  - 8) LEFT REAR  
OUTLET VALVE
  - 9) LEFT REAR  
INLET VALVE
  - 10) RIGHT FRONT  
OUTLET VALVE
  - 11) RIGHT FRONT  
INLET VALVE
  - 12) LEFT FRONT  
OUTLET VALVE
  - 13) LEFT FRONT  
INLET VALVE
  - 14) PUMP MOTOR
  - 15) SEPARATOR  
VALVE



Z3

# SLIP CONTROL (ABS/ASC)

# 4-CYLINDER EARLY PRODUCTION

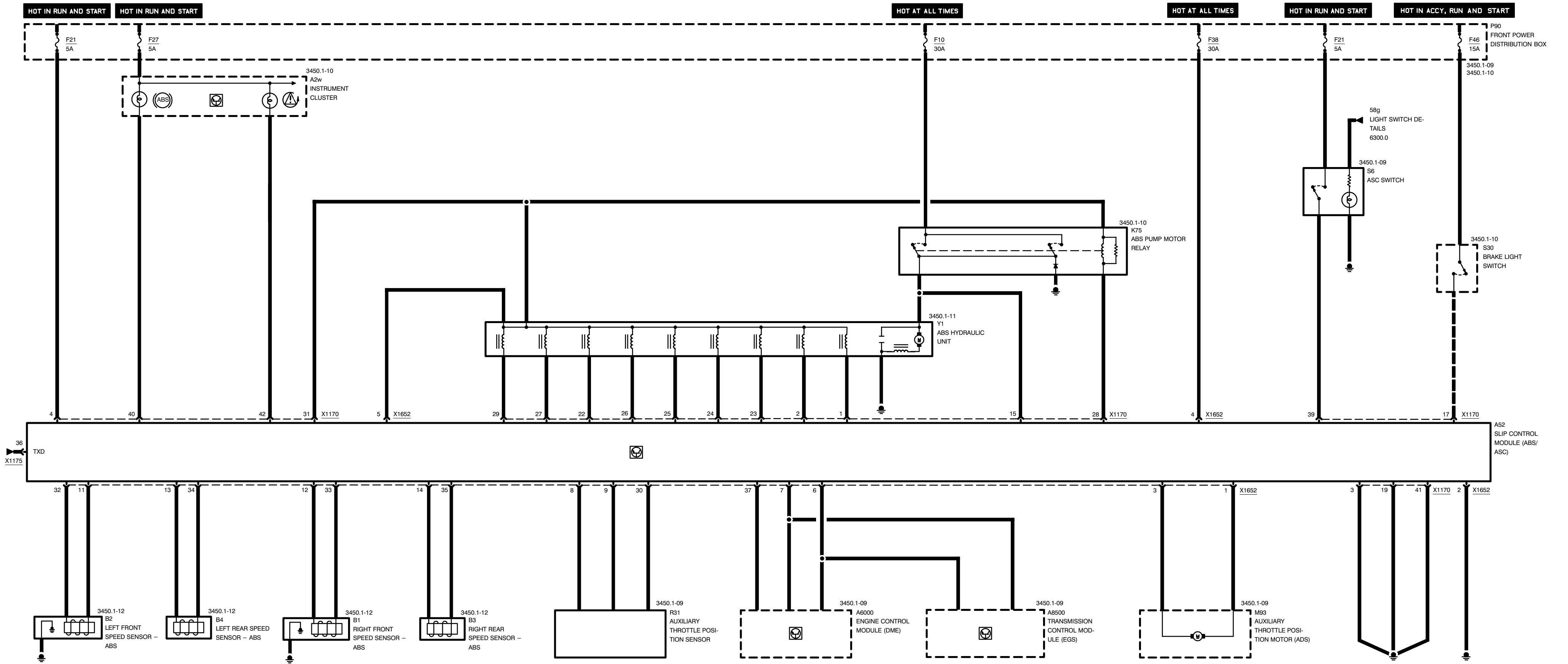


03/98

3450.1-08

1997

4-CYLINDER LATE PRODUCTION

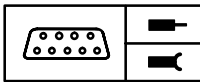




03/98

3450.1c-a

1997



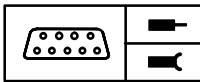
## Pin Assignments

4-Cylinder  
Late Production

### X1170

Pin	Type	Description/Function	Connection
43	A	Left front inlet valve	ABS hydraulic unit
44	A	Left front outlet valve	ABS hydraulic unit
45	M	Ground	Ground point
46	E	Voltage supply	Fuse 21
47		Not used	
48	E/A	CAN LOW	DME/EGS module
49	E/A	CAN HIGH	DME/EGS module
50	E	Throttle position signal 1	Auxiliary throttle position sensor
51	E	Throttle position signal 3	Auxiliary throttle position sensor
52		Not used	
53	A	Sensor ground	Left front speed sensor – ABS
54	A	Sensor ground	Right front speed sensor – ABS
55	A	Sensor ground	Left rear speed sensor – ABS
56	A	Sensor ground	Right rear speed sensor – ABS
57	E	Signal pump motor	ABS pump motor relay
58		Not used	
59	E	Brake pedal position	Brake light switch
60		Not used	
61	M	Ground	Ground point
62		Not used	
63		Not used	
64	A	Right rear outlet valve	ABS hydraulic unit
65	A	Right front inlet valve	ABS hydraulic unit
66	A	Right front outlet valve	ABS hydraulic unit
67	A	Left rear outlet valve	ABS hydraulic unit
68	A	Left rear inlet valve	ABS hydraulic unit
69	A	Right rear inlet valve	ABS hydraulic unit
70	A	Activate relay	ABS pump motor relay
71	A	Separator valve	ABS hydraulic unit
72	E	Throttle position signal 2	Auxiliary throttle position sensor

E = Input, A = Output, M = Ground



## Pin Assignments

4-Cylinder  
Late Production

Pin	Type	Description/Function	Connection
73	A	ABS signal	ABS pump motor relay/Hydraulic unit
74	E	Speed signal	Left front speed sensor – ABS
75	E	Speed signal	Right front speed sensor – ABS
76	E	Speed signal	Left rear speed sensor – ABS
77	E	Speed signal	Right rear speed sensor – ABS
78	E/A	TxD diagnostic data link	Data link connector
79	A	Speed signal right rear	DME module
80		Not used	
81	E	ASC signal	ASC switch
82	A	ABS signal	Instrument cluster
83	M	Ground	Ground point
84	A	ASC signal	Instrument cluster

### X1652

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

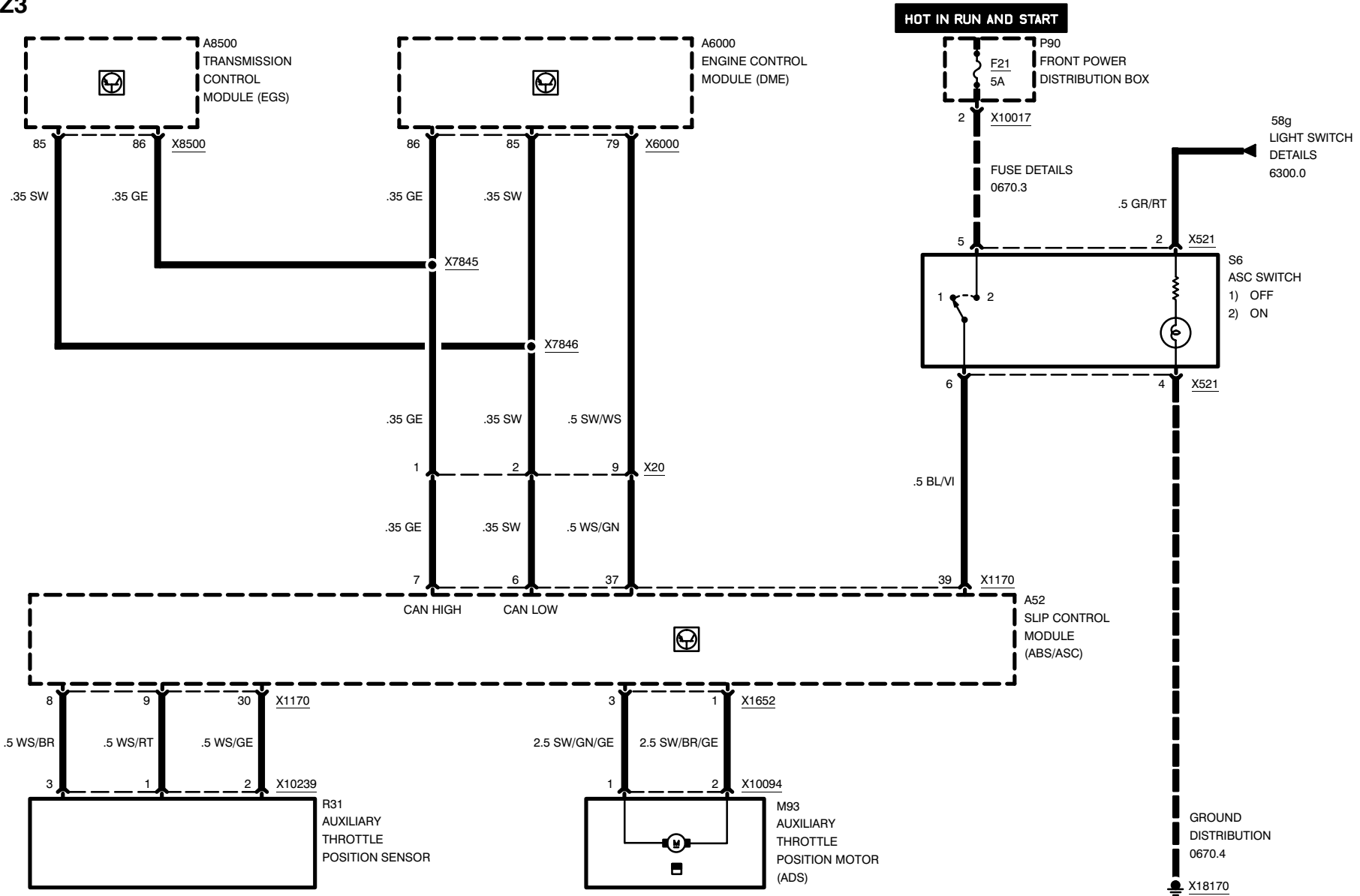
E = Input, A = Output, M = Ground



# SLIP CONTROL (ABS/ASC)

# 4-CYLINDER LATE PRODUCTION

Z3



03/98

3450.1-09

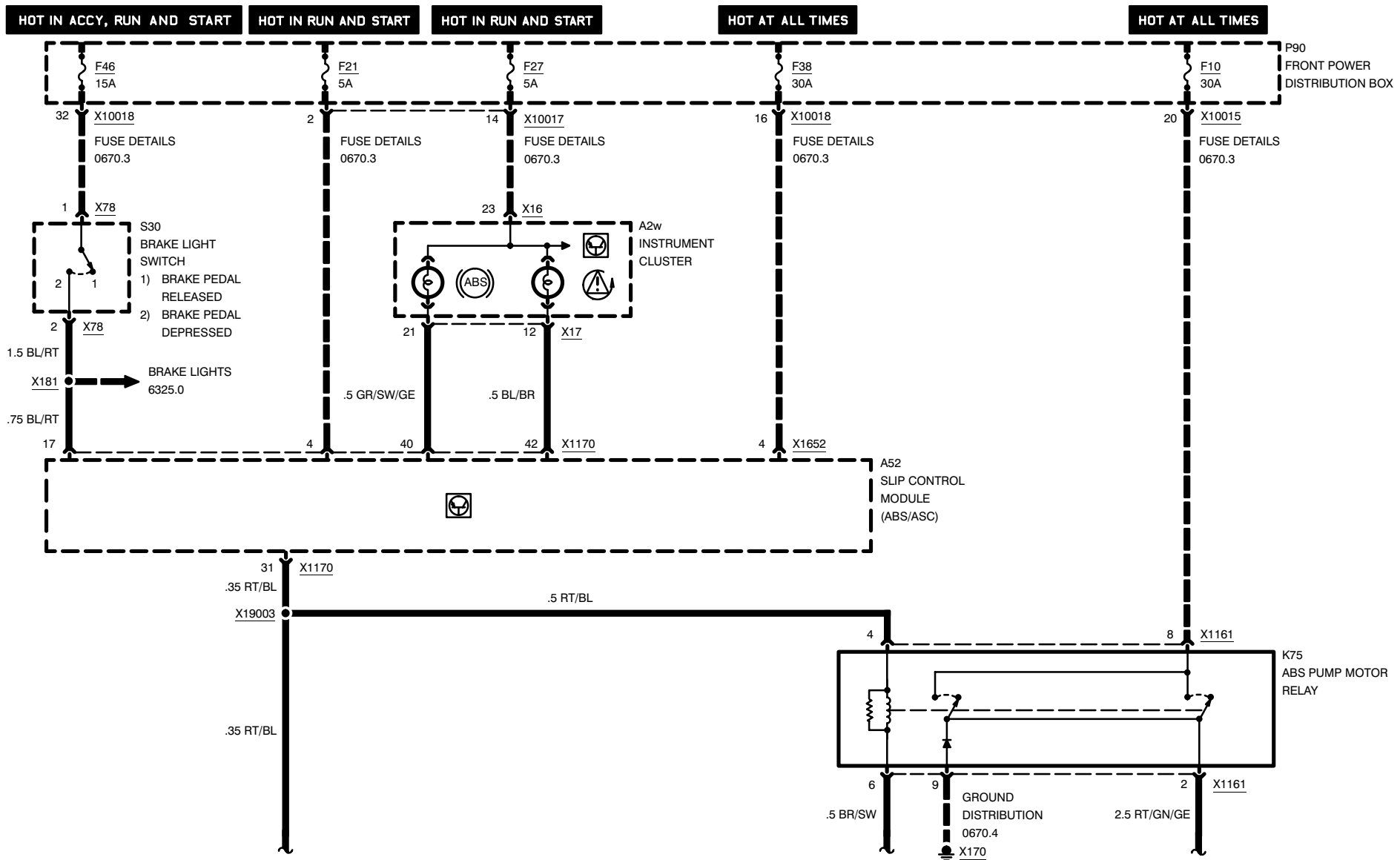
1997



Z3

# SLIP CONTROL (ABS/ASC)

# 4-CYLINDER LATE PRODUCTION

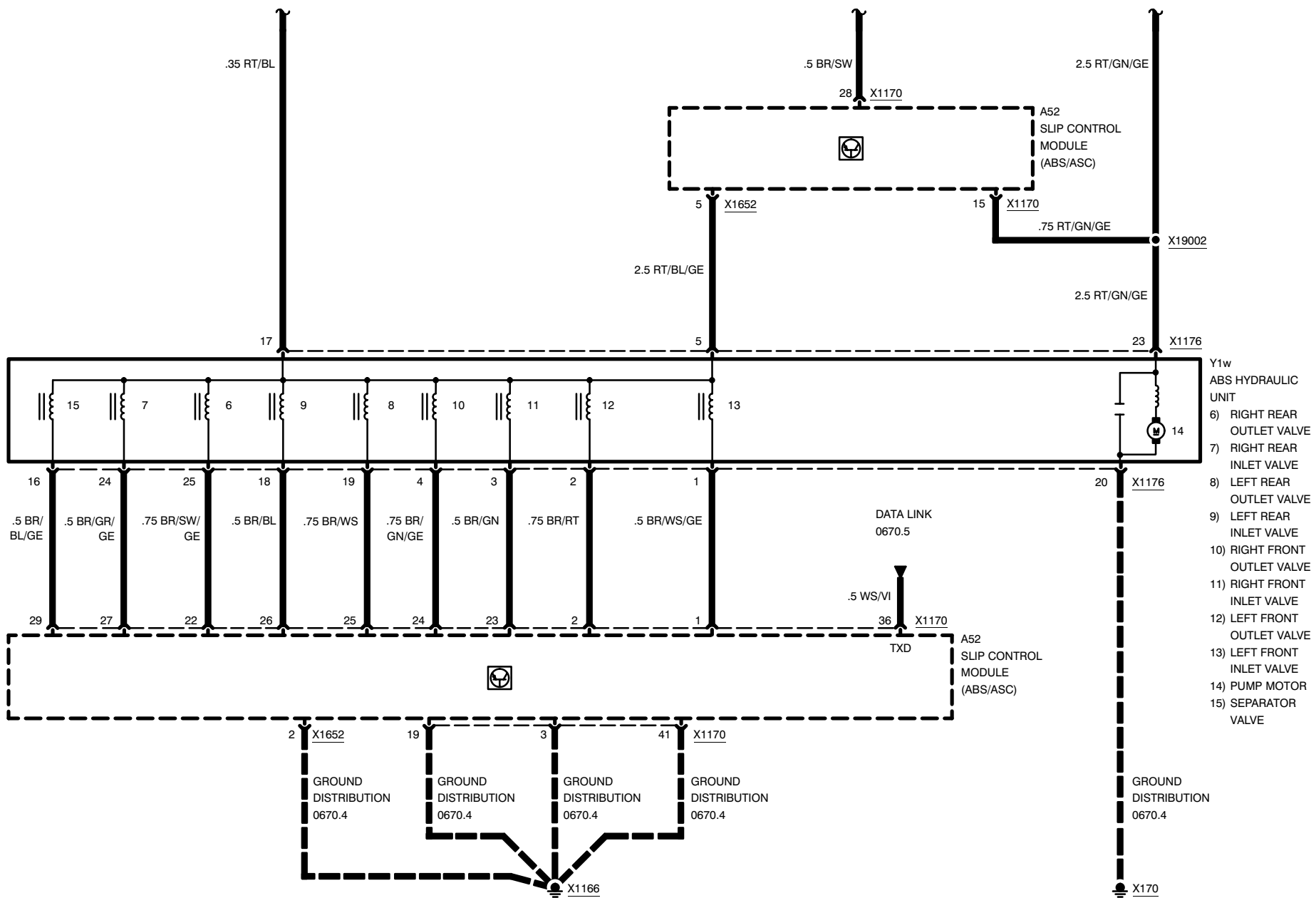


03/98

3450.1-10

1997



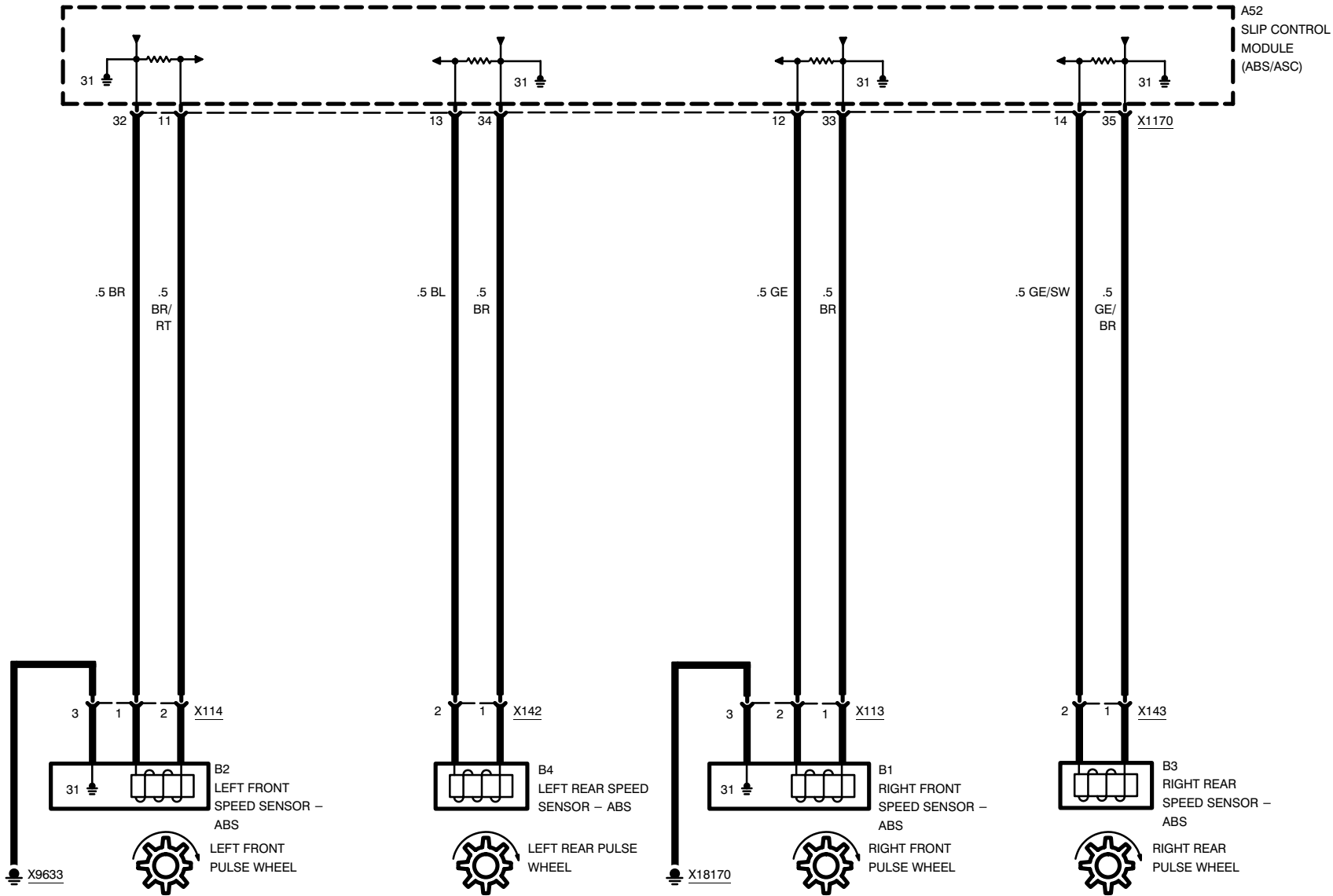




Z3

# SLIP CONTROL (ABS/ASC)

## 4-CYLINDER LATE PRODUCTION



03/98

3450.1-12

1997

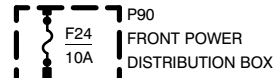


# POWER MIRRORS

## OUTSIDE MIRROR

Z3

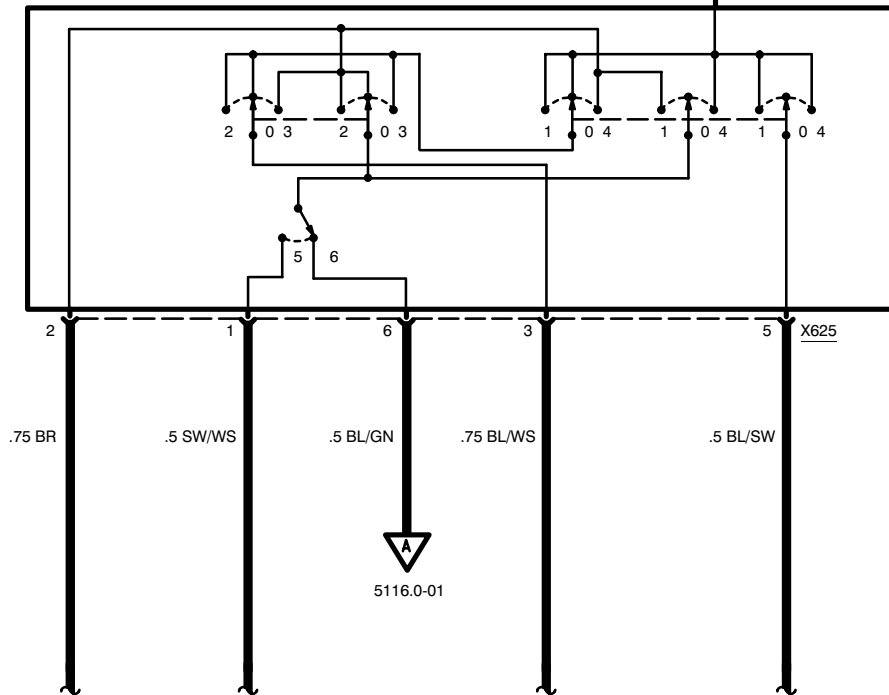
HOT IN RUN AND START



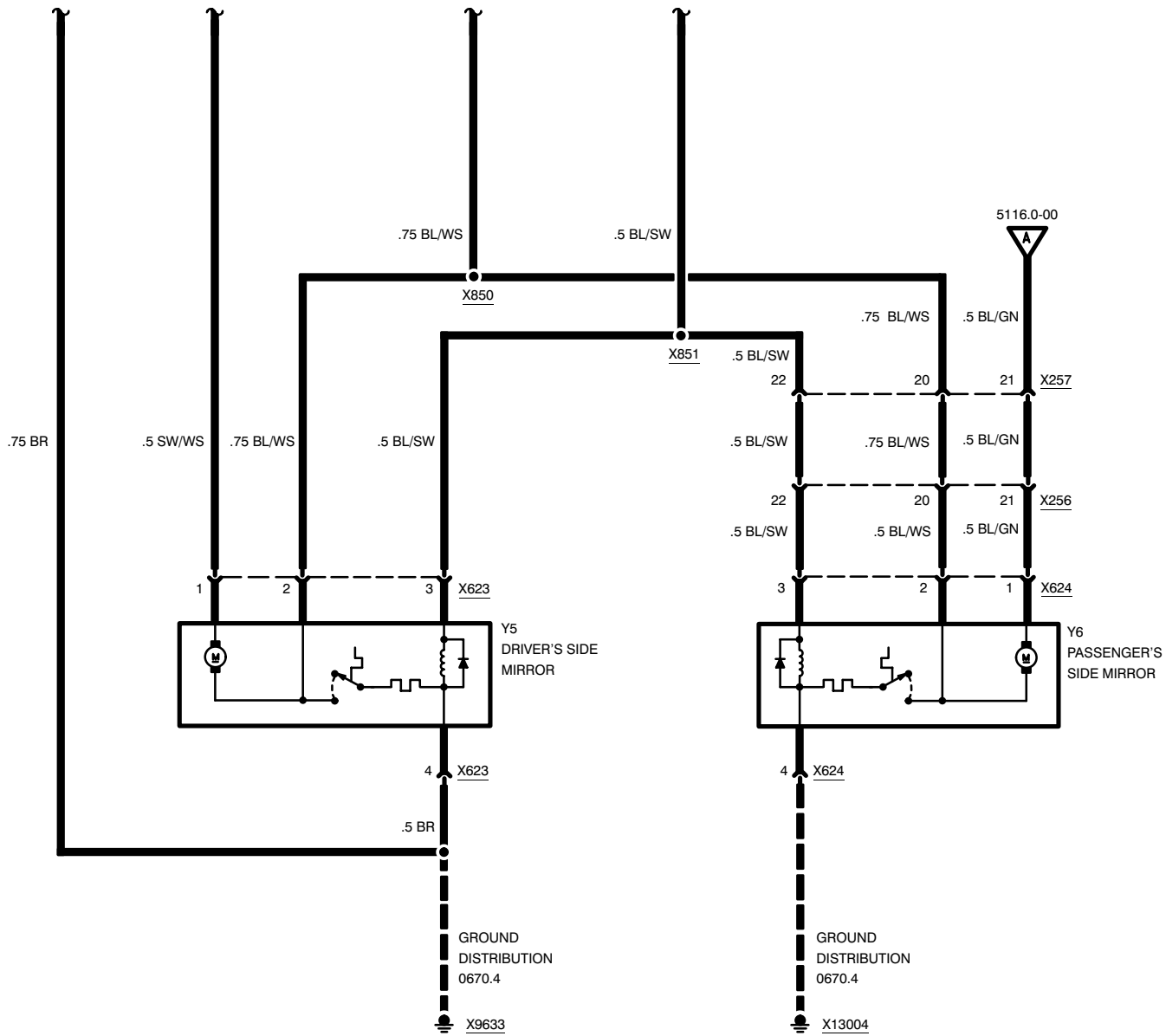
8 X10017

FUSE DETAILS  
0670.3

4 X625

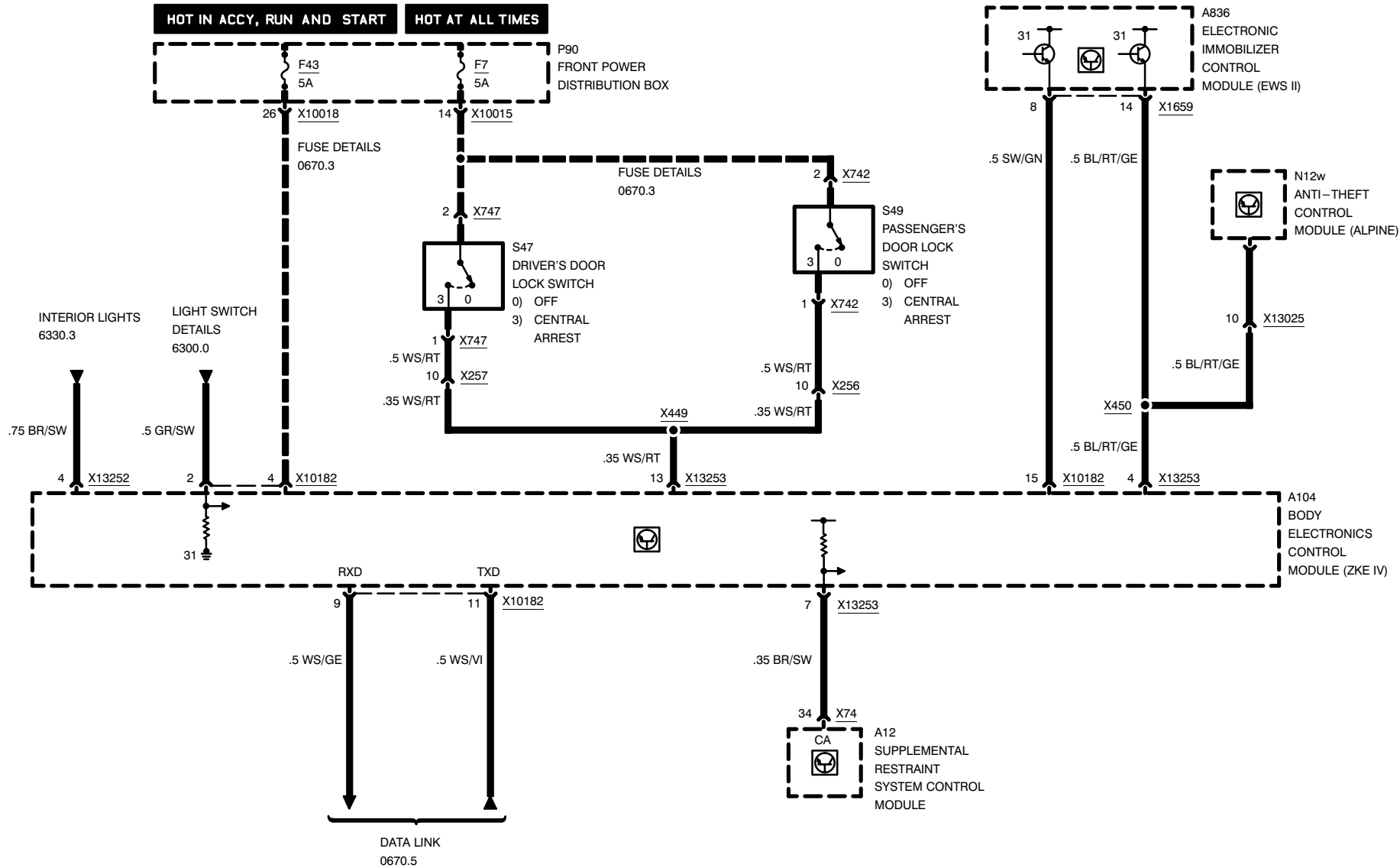


- S17  
MIRROR CONTROL  
SWITCH
- 0) OFF
  - 1) UP
  - 2) LEFT
  - 3) RIGHT
  - 4) DOWN
  - 5) DRIVER'S SIDE
  - 6) PASSENGER'S SIDE





# ZKE CENTRAL LOCKING (ZV) INPUTS, DRIVE-AWAY PROTECTION

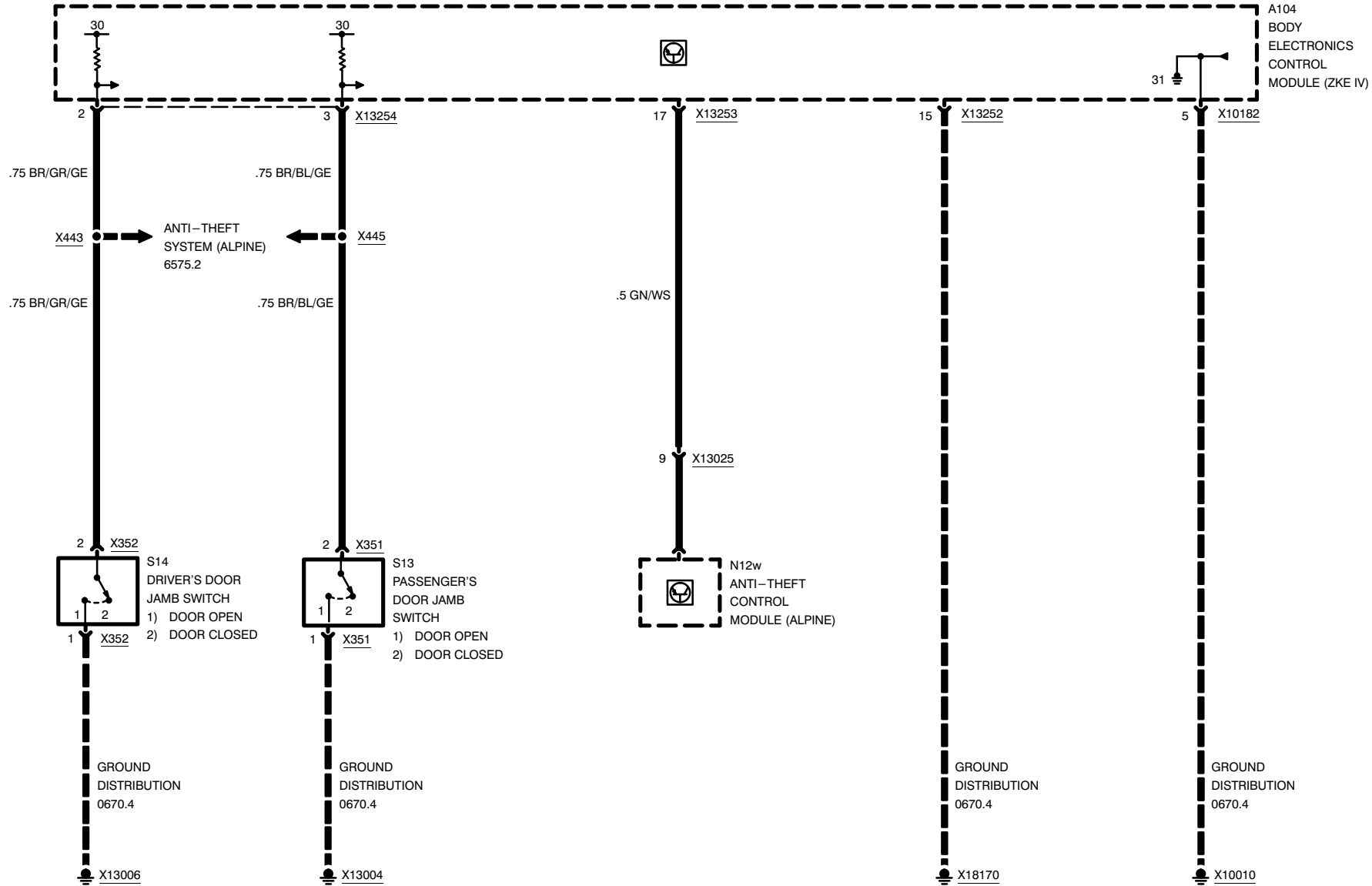




# ZKE CENTRAL LOCKING (ZV)

## INPUT DETAILS

Z3



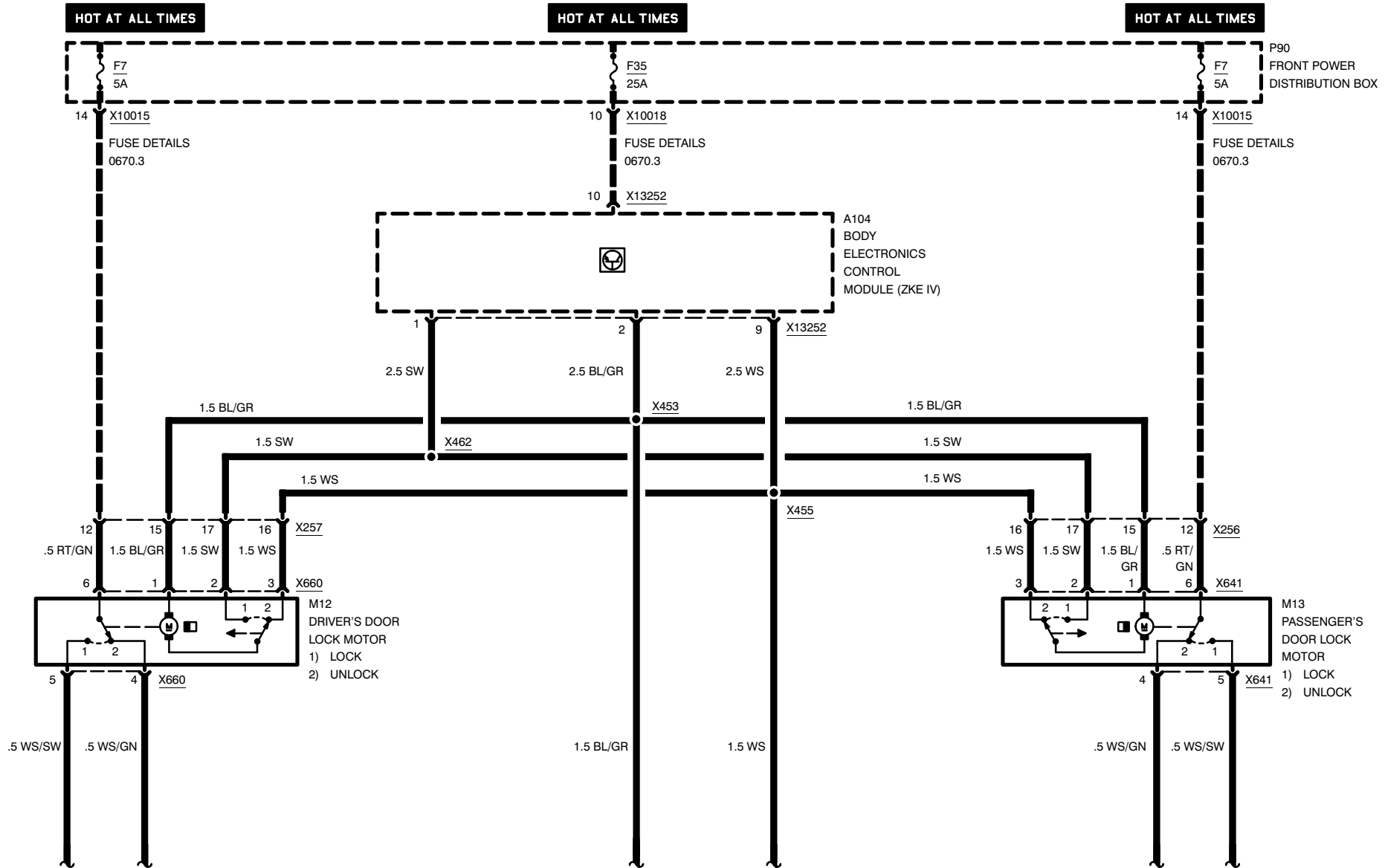
03/98

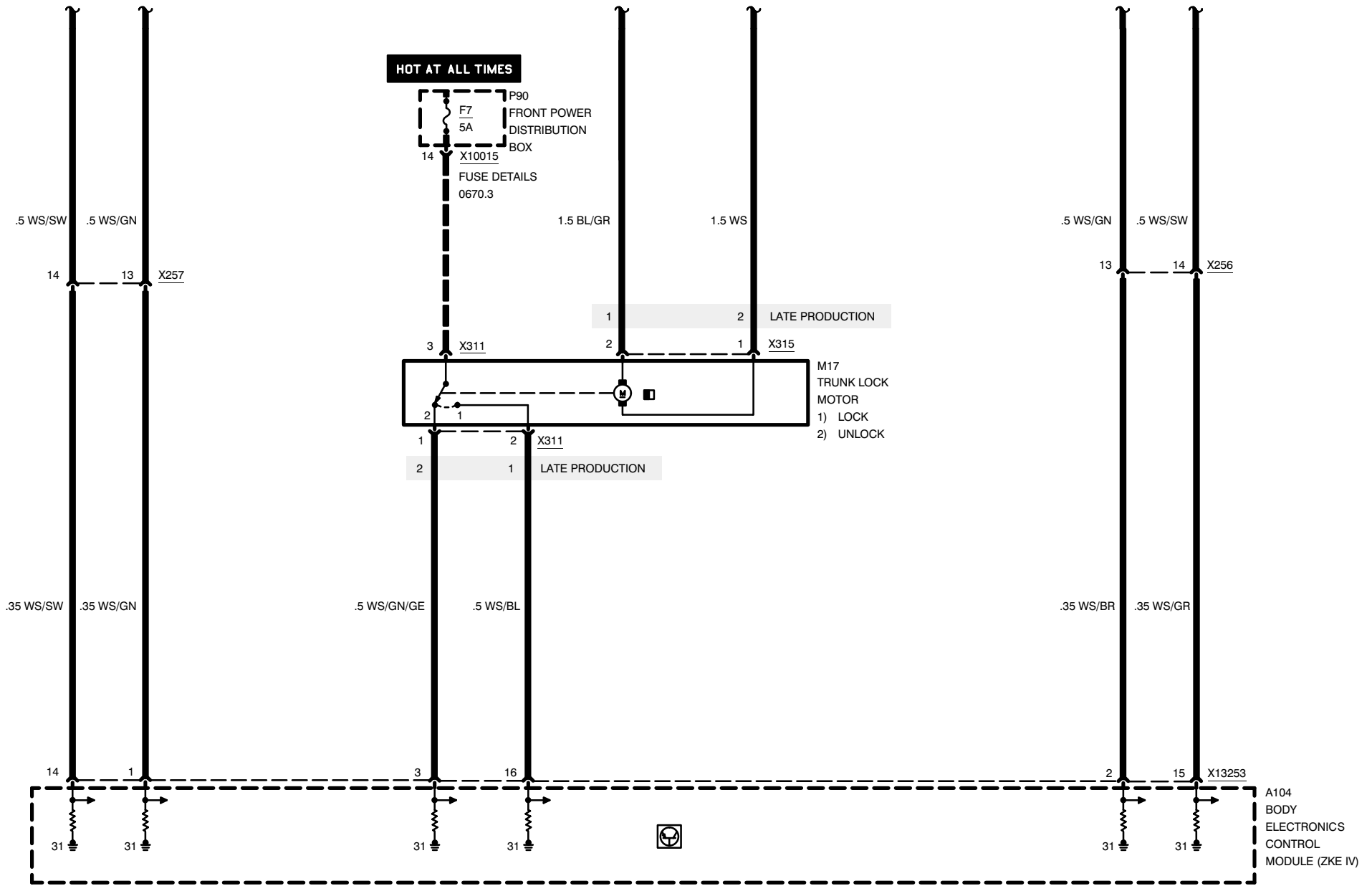
5126.0-01

1997

# ZKE CENTRAL LOCKING (ZV)

## OUTPUT DETAILS





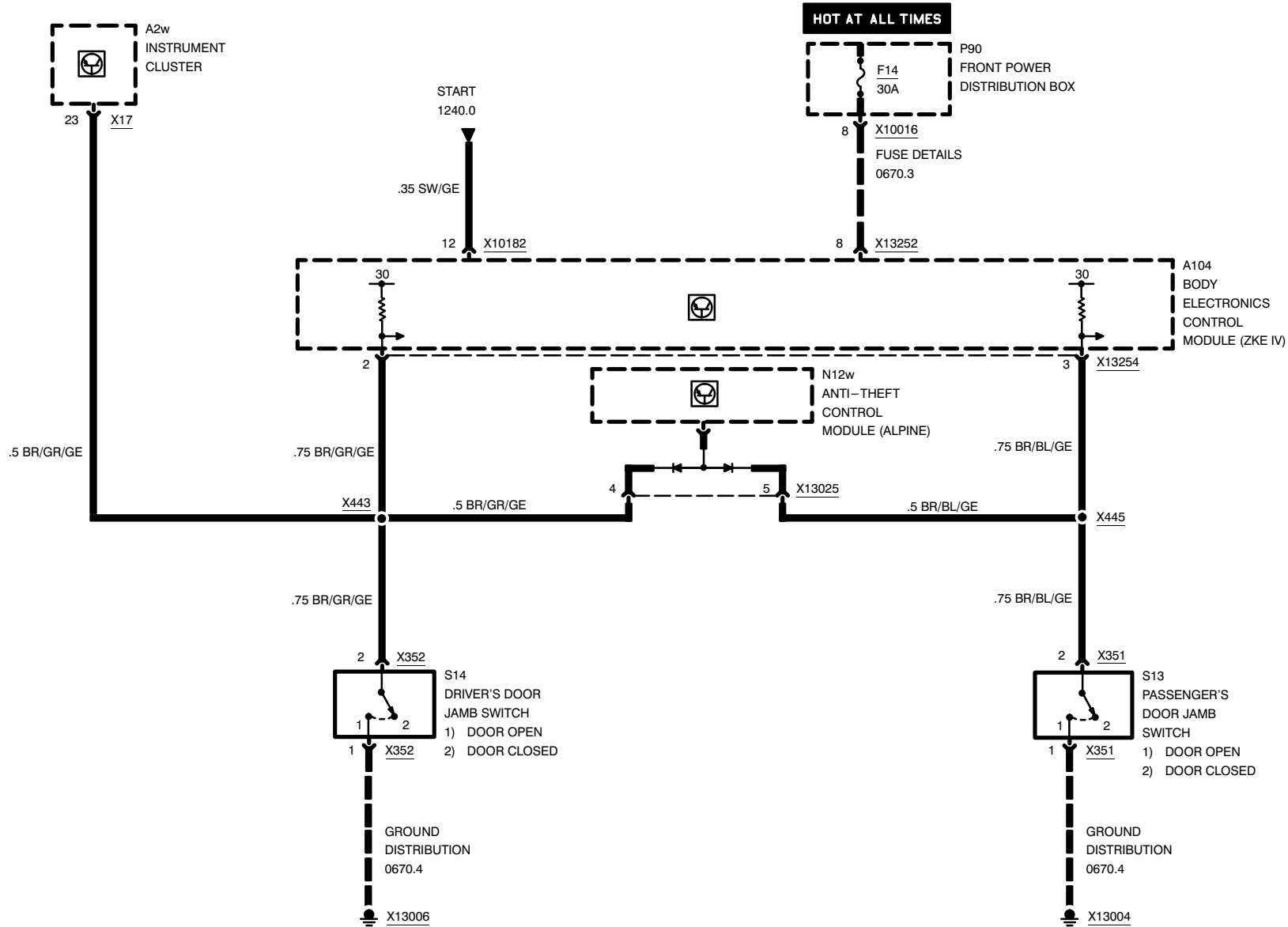




# ZKE POWER WINDOWS (FH)

## INPUT DETAILS

Z3



03/98

5133.0-00

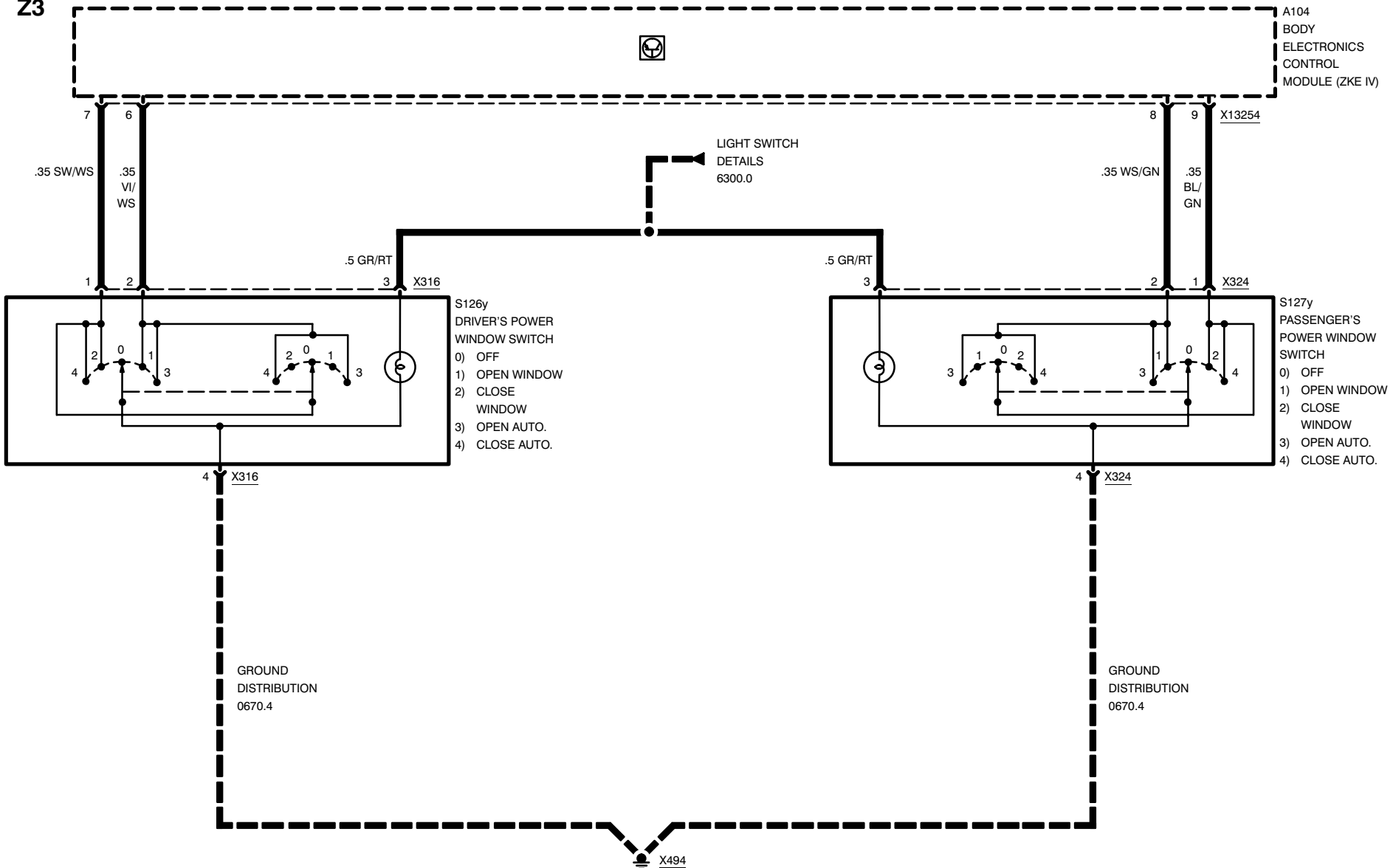
1997



# ZKE POWER WINDOWS (FH)

## INPUT DETAILS

Z3



03/98

5133.0-01

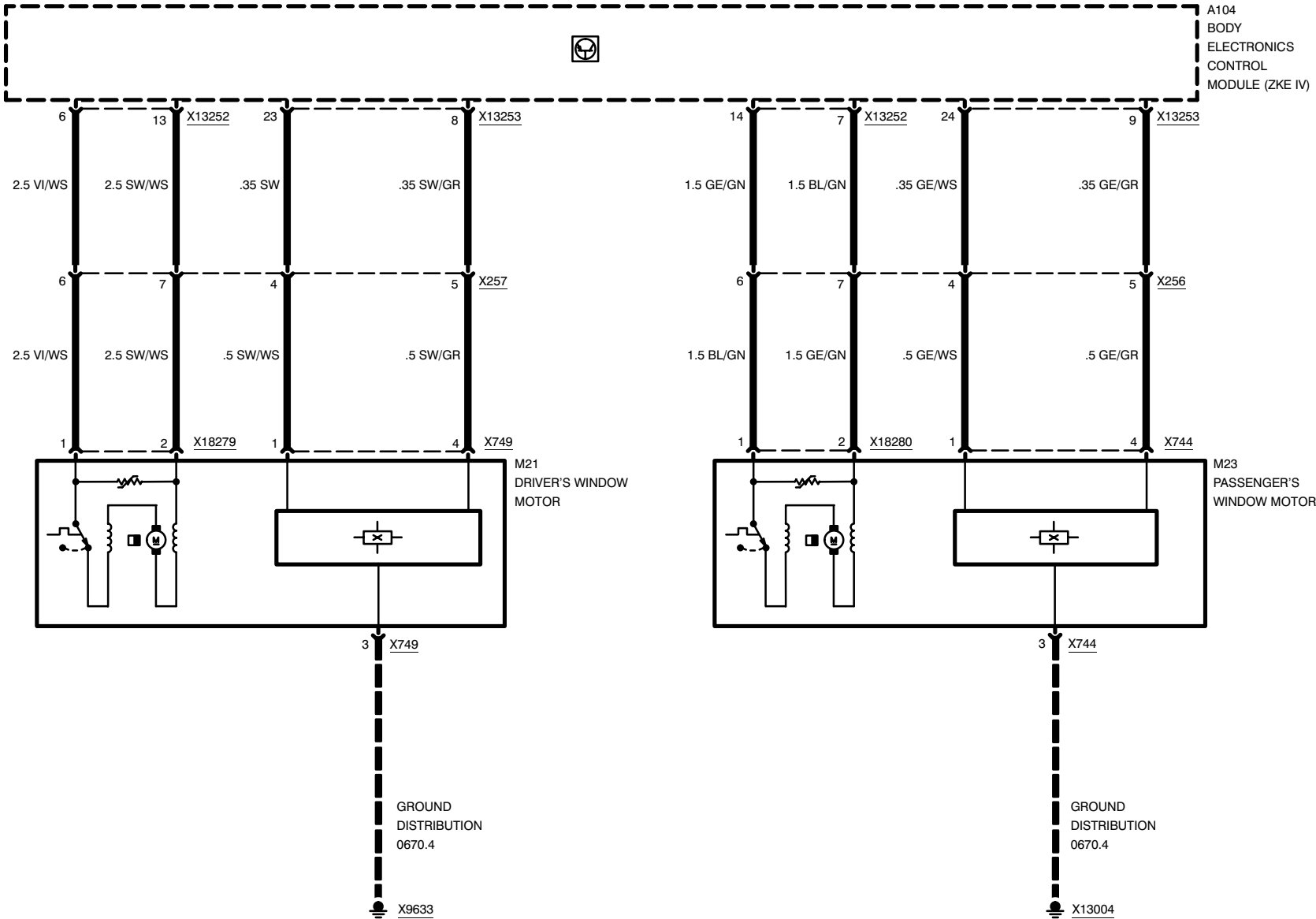
1997



# ZKE POWER WINDOWS (FH)

## OUTPUT DETAILS

Z3



03/98

5133.0-02

1997

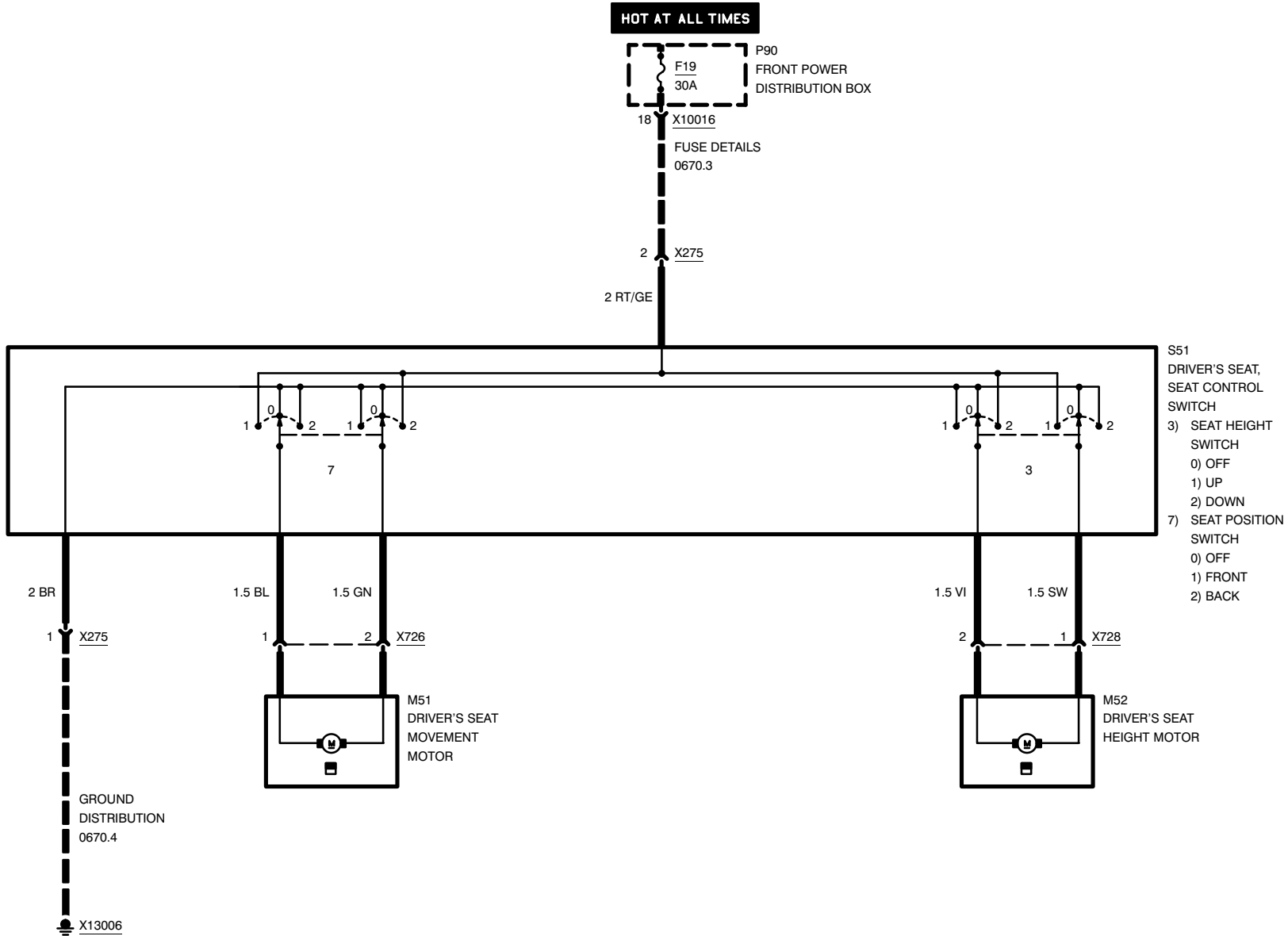


Z3

# POWER SEATS

## DRIVER'S SEAT

# EARLY PRODUCTION



03/98

5200.0-00

1997



Z3

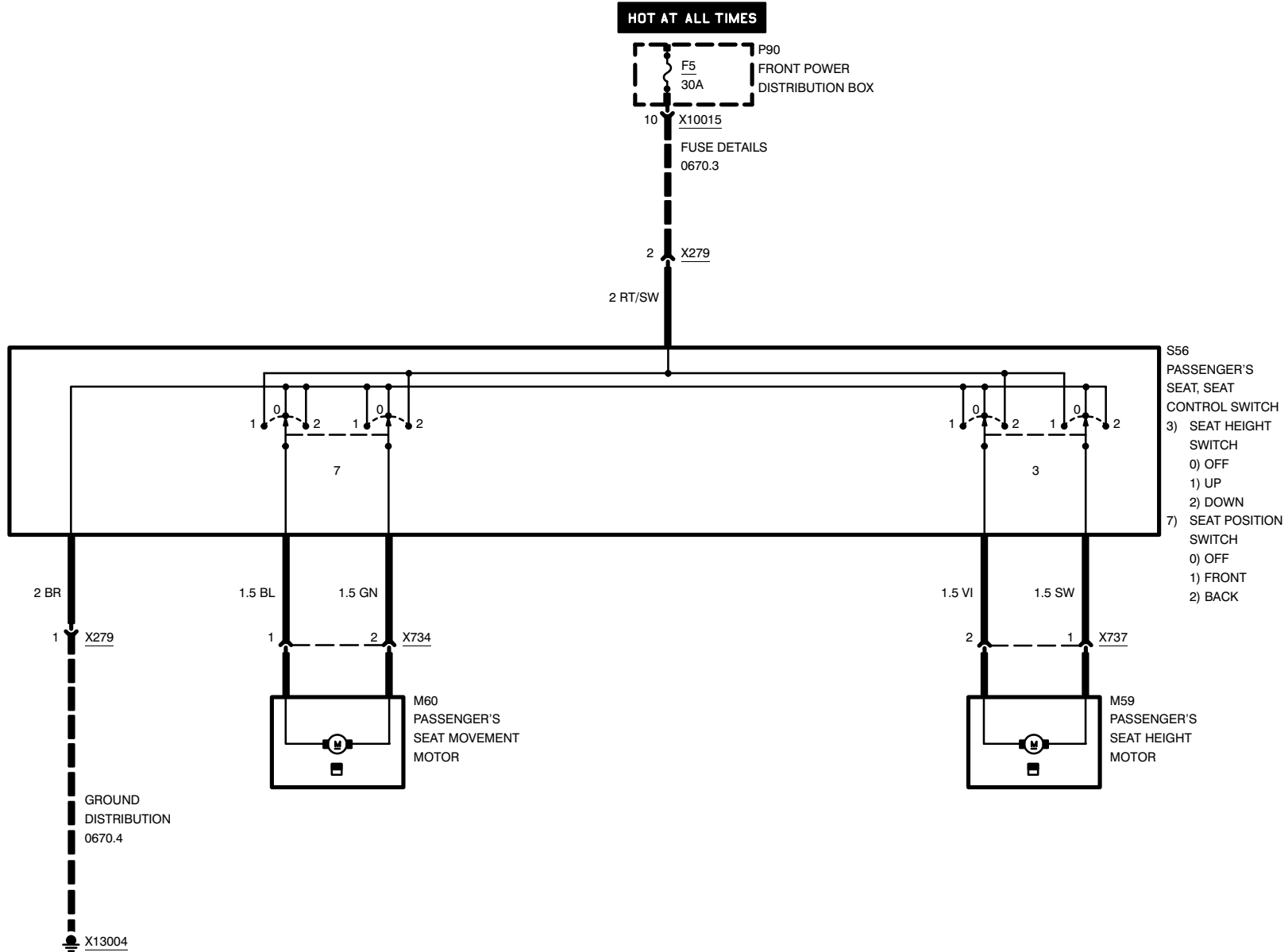
# POWER SEATS PASSENGER'S SEAT

EARLY PRODUCTION

09/96

5200.0-01

1997



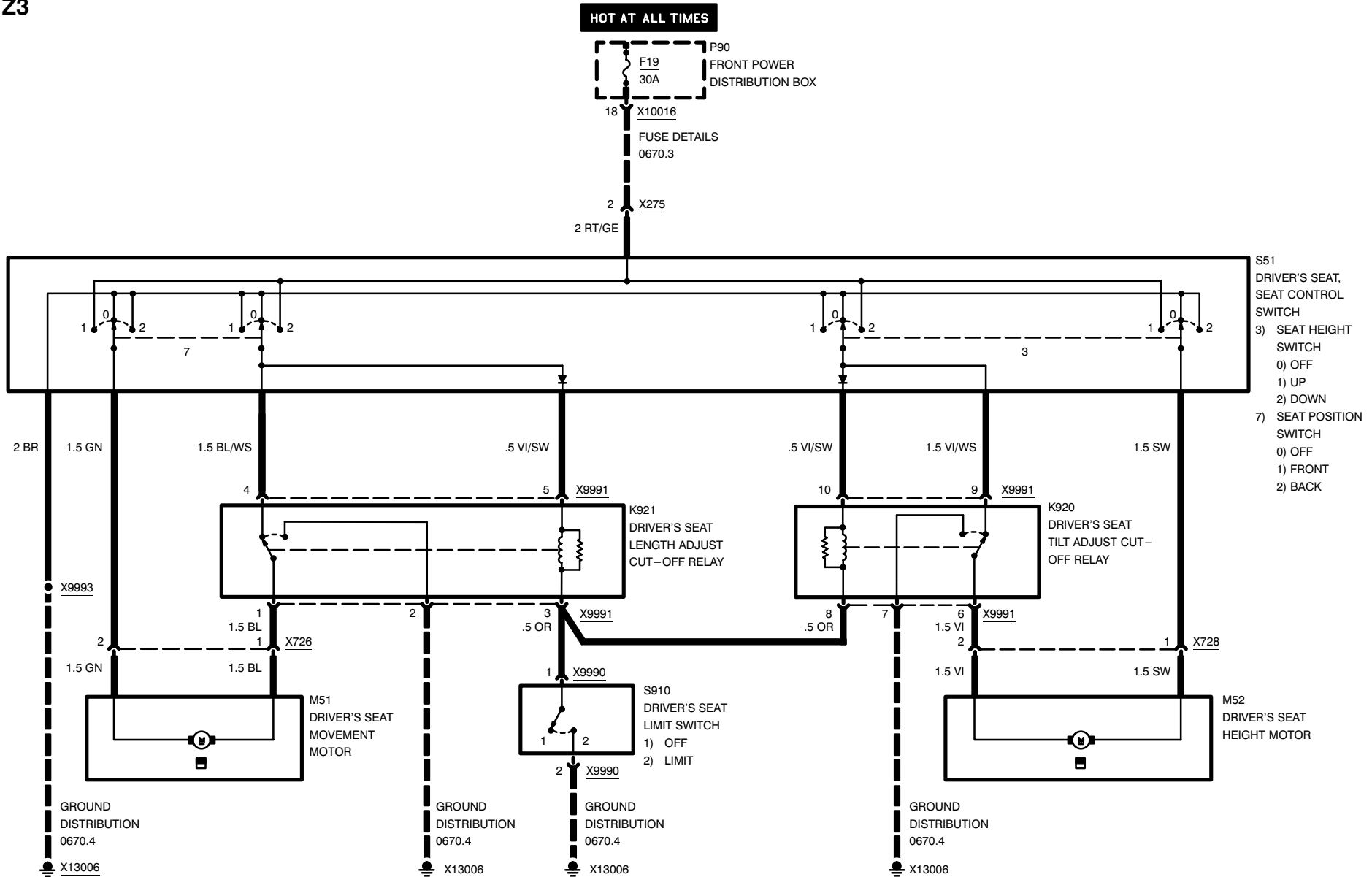


Z3

# POWER SEATS

## DRIVER'S SEAT

# SPORT SEATS EARLY PRODUCTION



03/98

5200.0-02

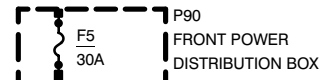
1997



# POWER SEATS PASSENGER'S SEAT

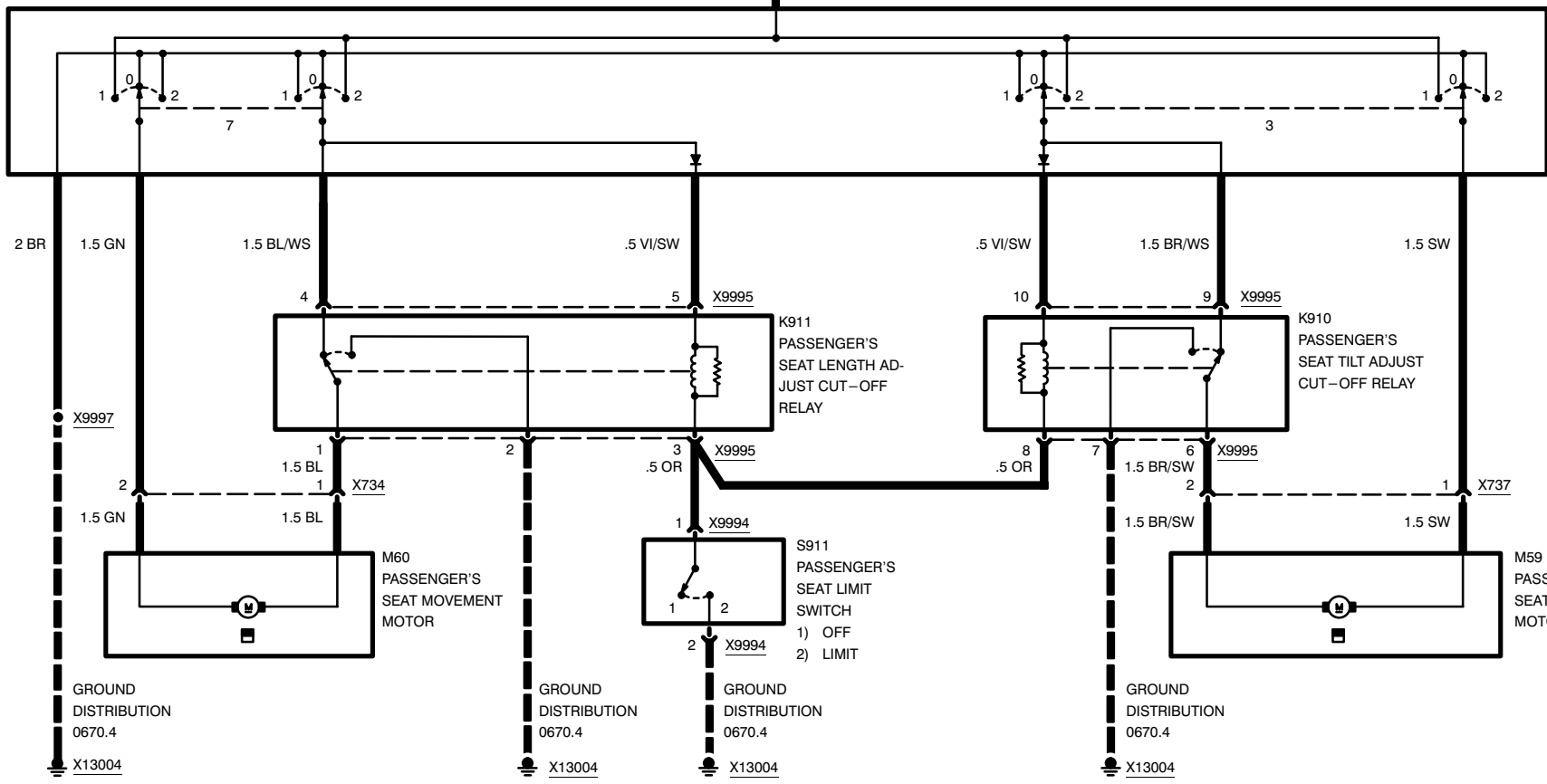
# SPORT SEATS EARLY PRODUCTION

**HOT AT ALL TIMES**



X10015  
FUSE DETAILS  
0670.3

X279  
2 RT/SW



- S56  
PASSENGER'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

GROUND DISTRIBUTION  
0670.4  
X13004

GROUND DISTRIBUTION  
0670.4  
X13004

GROUND DISTRIBUTION  
0670.4  
X13004

GROUND DISTRIBUTION  
0670.4  
X13004

03/98  
5200.0-03  
1997

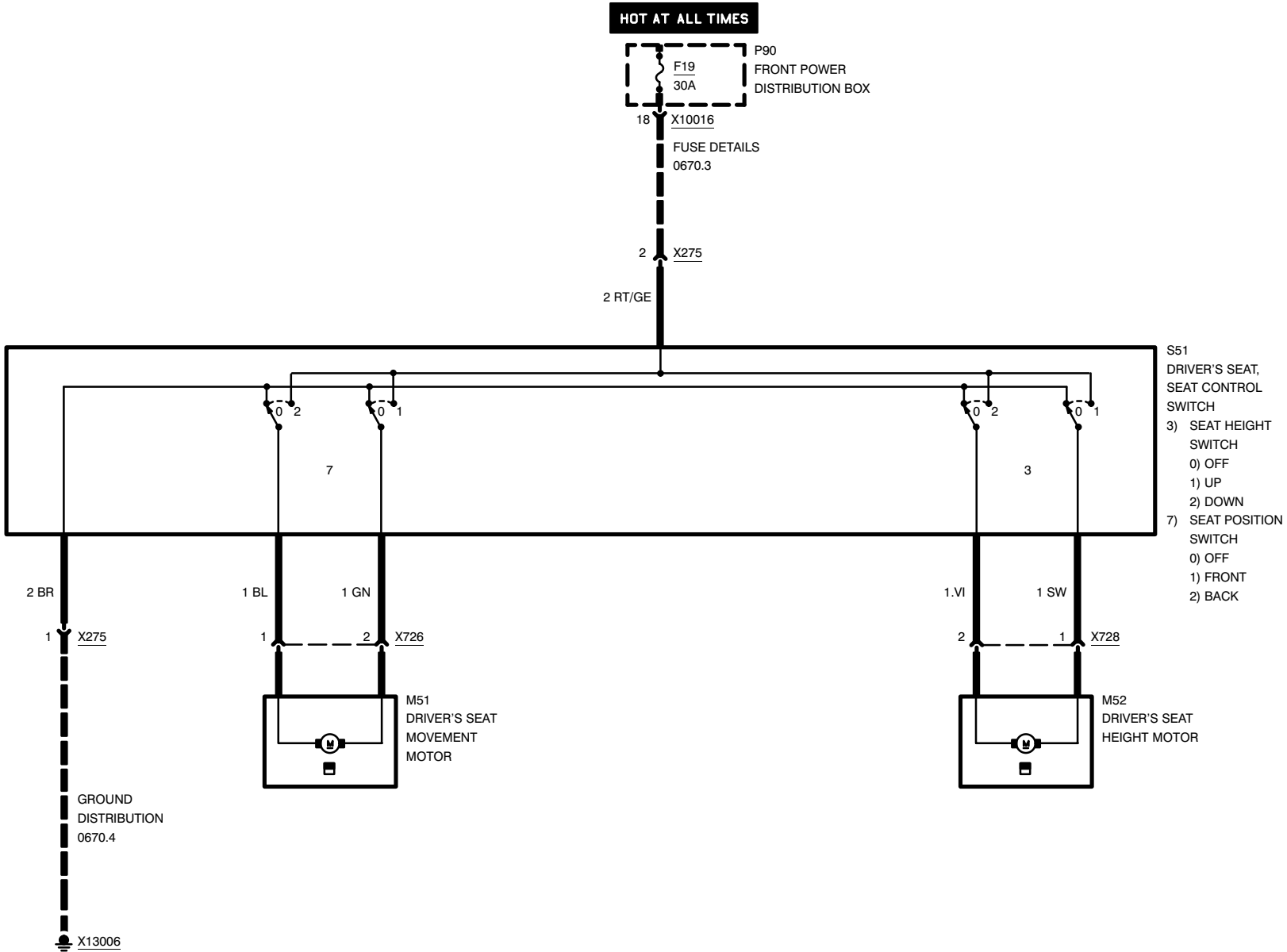


# POWER SEATS

## DRIVER'S SEAT

Z3

LATE PRODUCTION



03/98

5200.0-04

1997





Z3

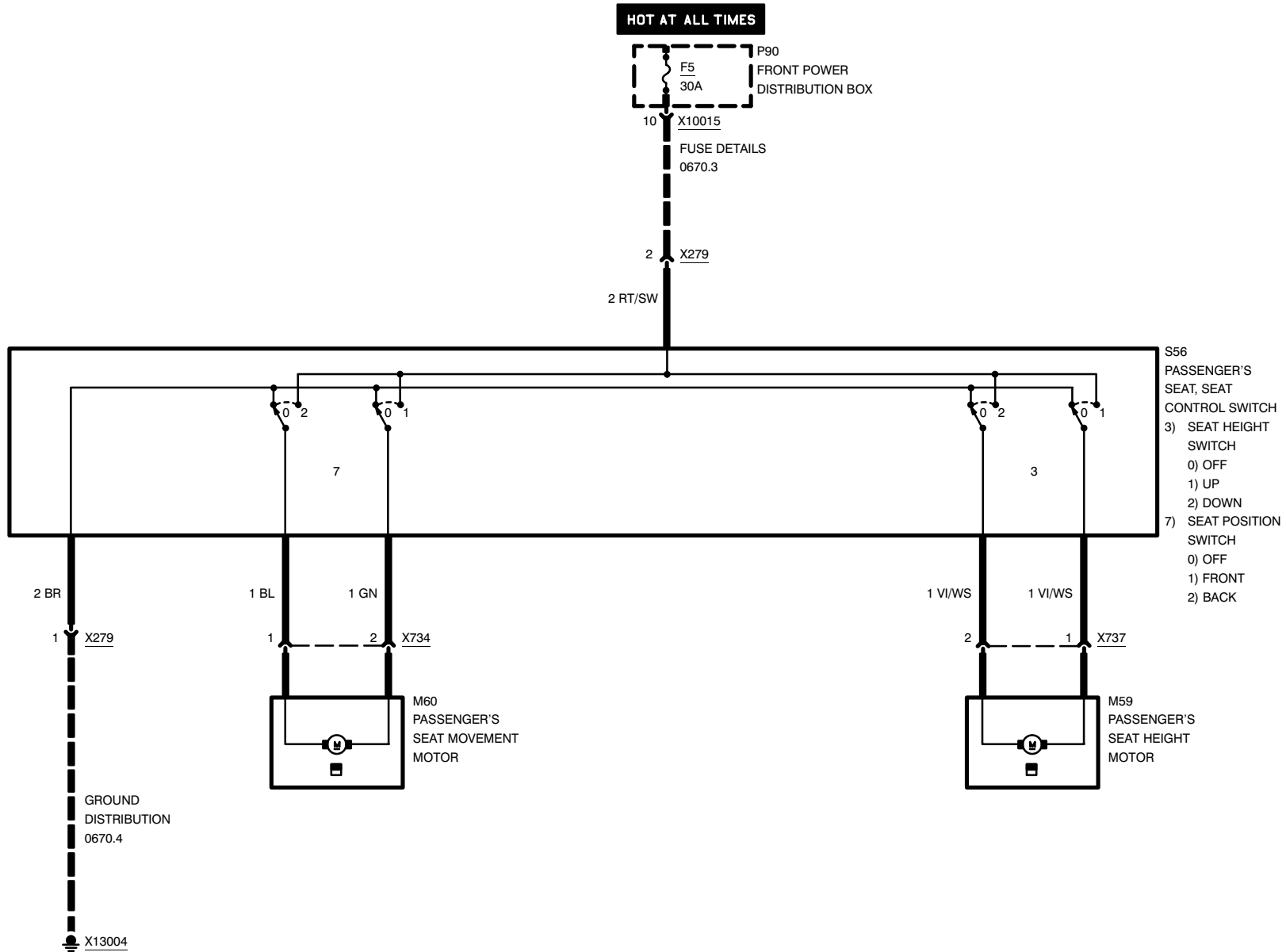
# POWER SEATS PASSENGER'S SEAT

LATE PRODUCTION

03/98

5200.0-05

1997



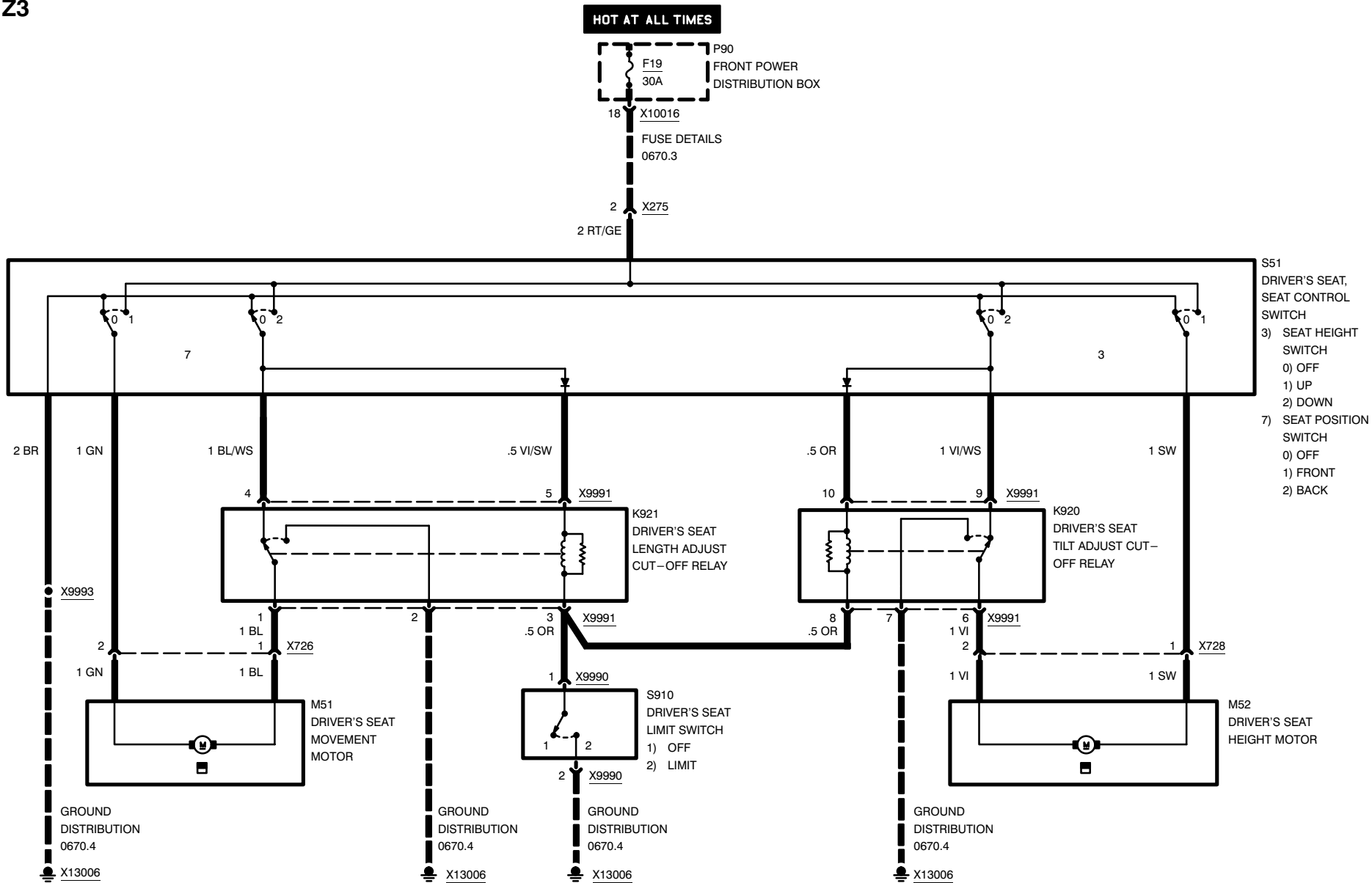


Z3

# POWER SEATS

## DRIVER'S SEAT

# SPORT SEATS LATE PRODUCTION



03/98

5200.0-06

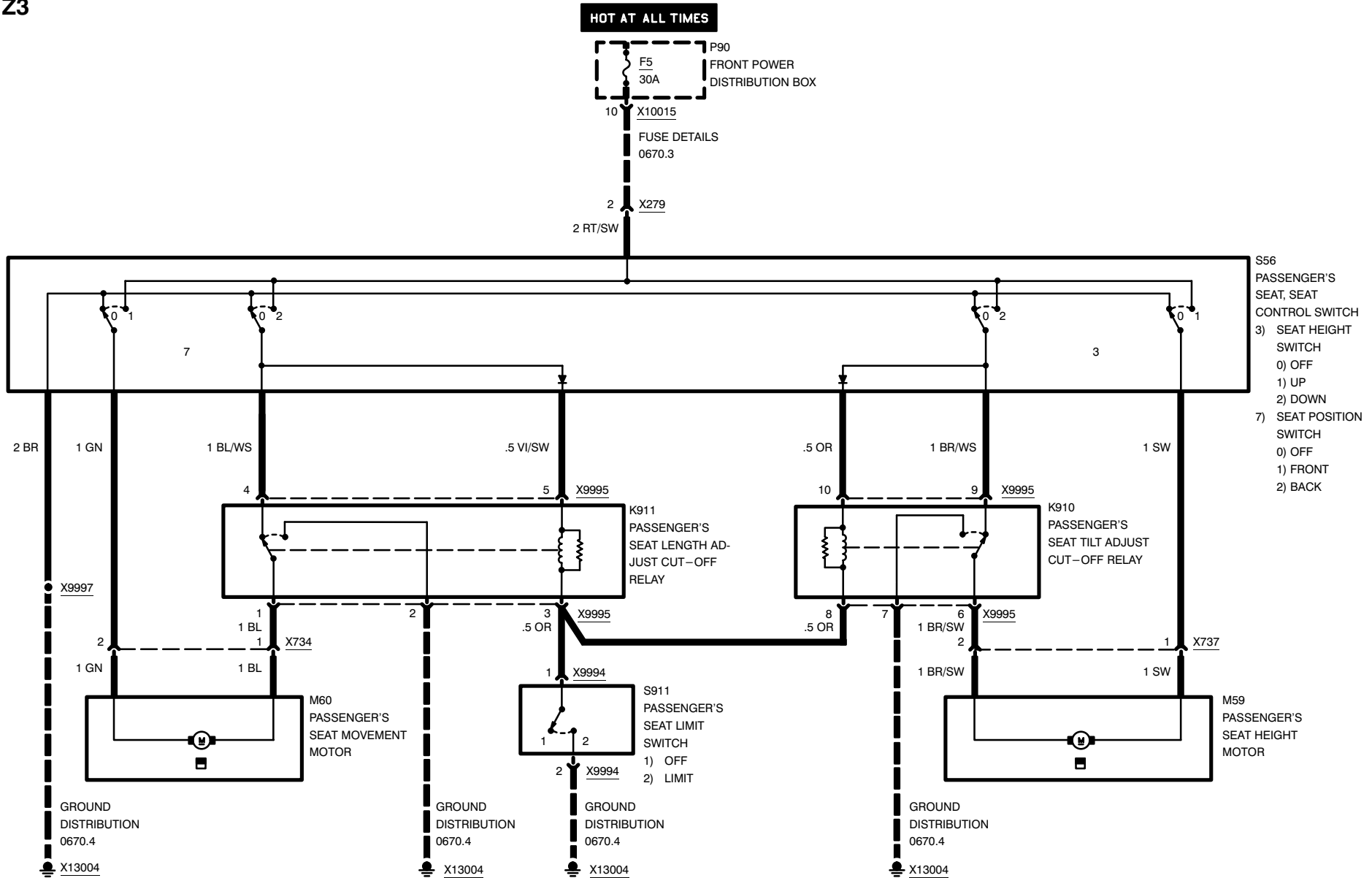
1997



Z3

# POWER SEATS PASSENGER'S SEAT

# SPORT SEATS LATE PRODUCTION



03/98

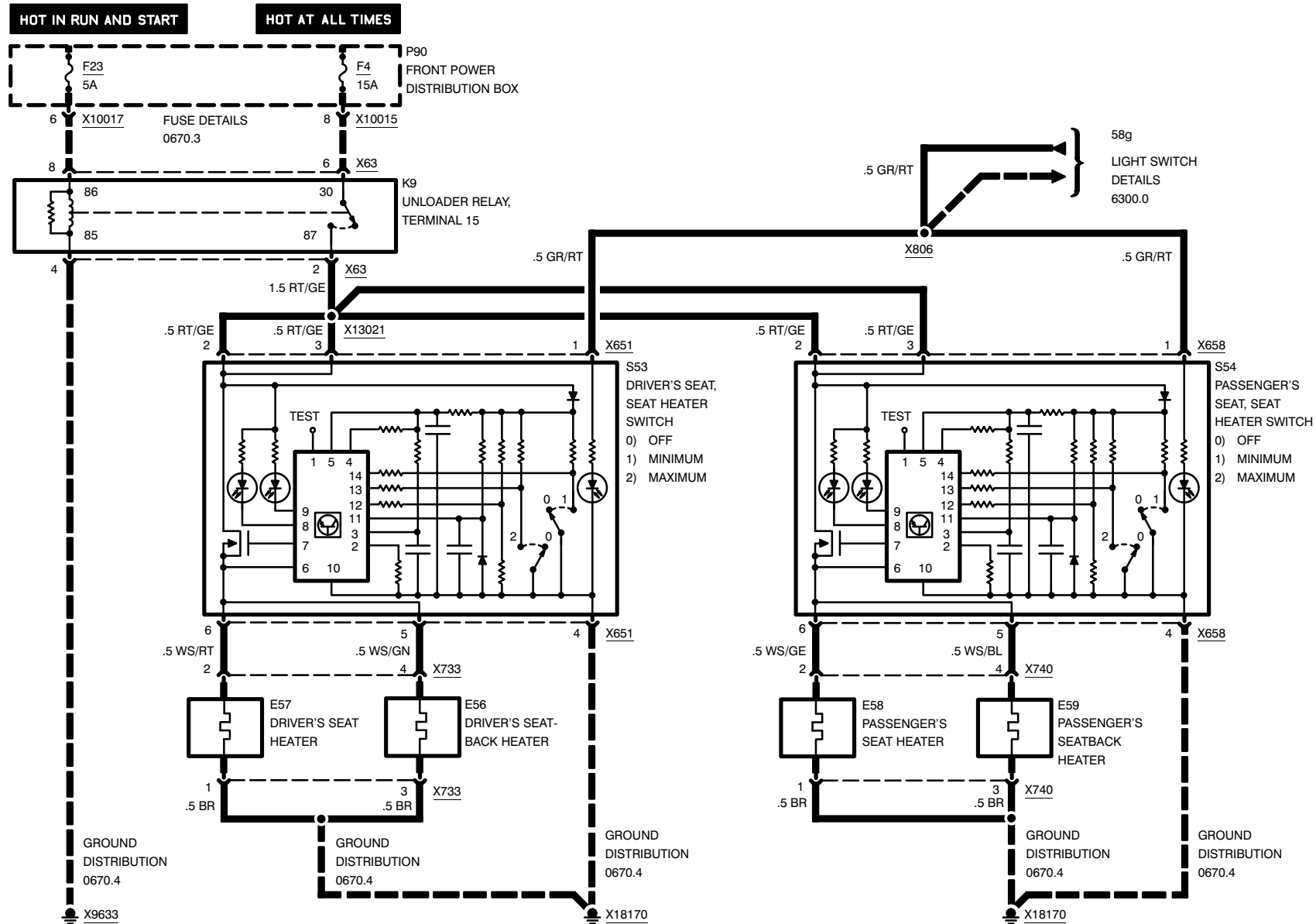
5200.0-07

1997

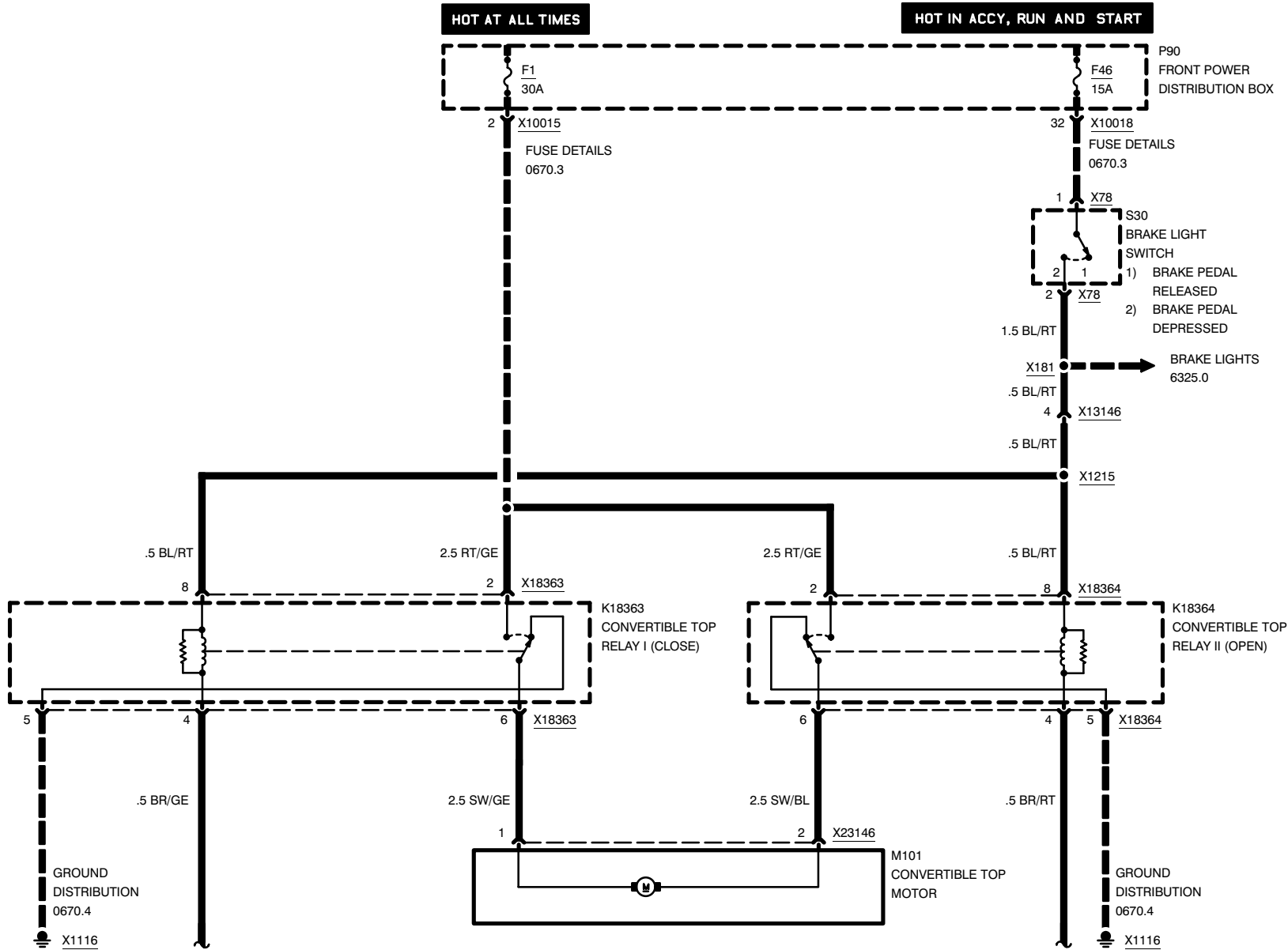


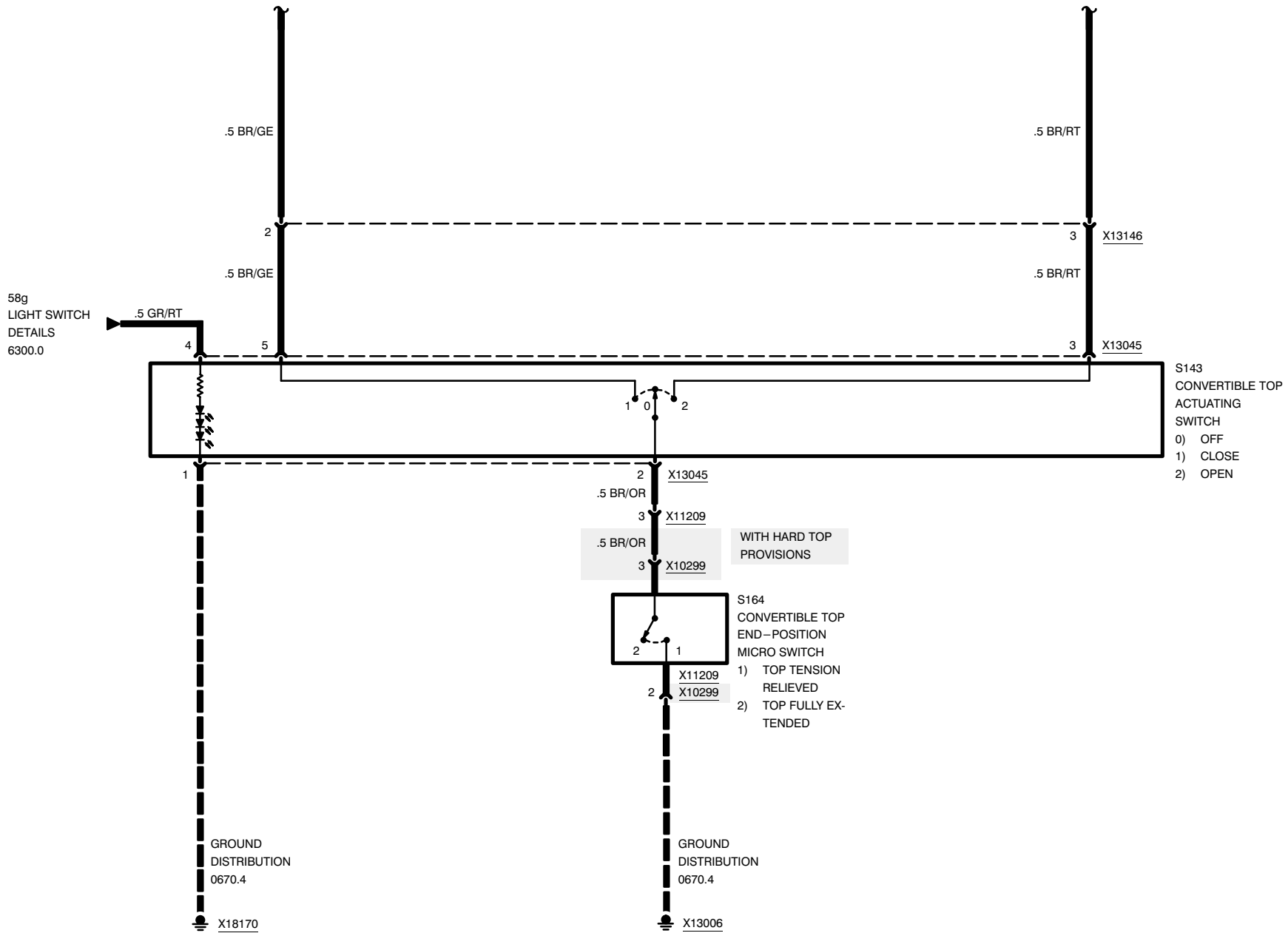
Z3

# HEATED SEATS



# ELECTRO-MECHANICAL CONVERTIBLE TOP





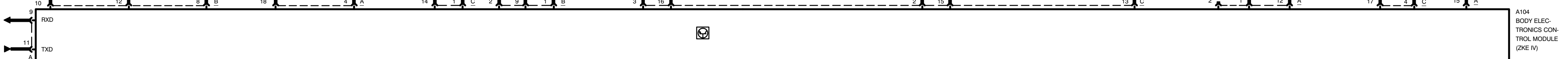
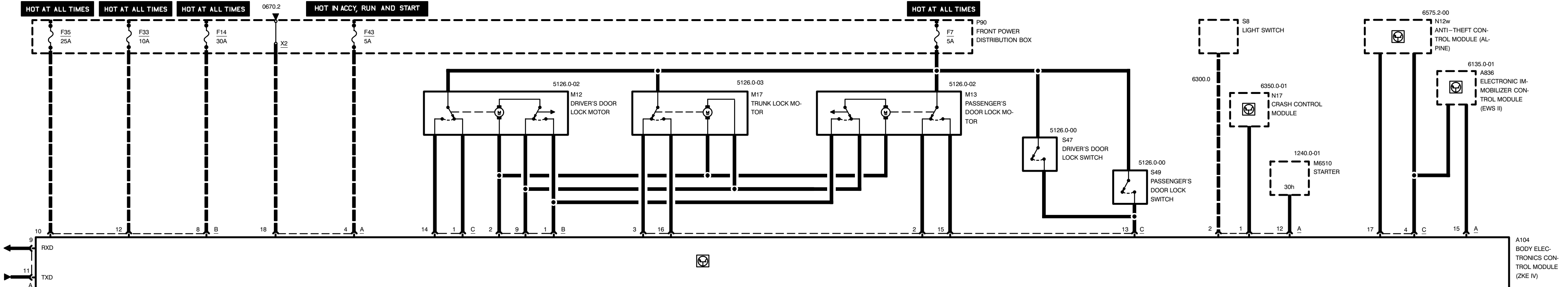
HOT AT ALL TIMES

POWER DISTRIBUTION  
0670.2

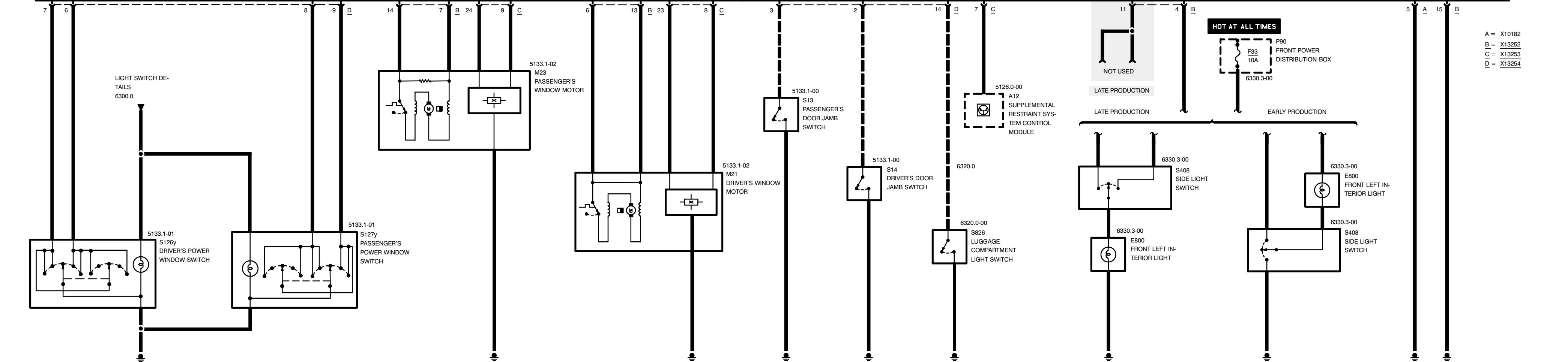
HOT IN ACCY, RUN AND START

HOT AT ALL TIMES

P90  
FRONT POWER  
DISTRIBUTION BOX



A104  
BODY ELECTRONICS CONTROL MODULE (ZKE IV)



HOT AT ALL TIMES

NOT USED

LATE PRODUCTION

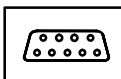
LATE PRODUCTION

EARLY PRODUCTION

- A = X10182
- B = X13252
- C = X13253
- D = X13254



Z3

**Pin Assignments**

A = X10182 18 Pins, black

B = X13252 15 Pins, black

C = X13253 26 Pins, yellow

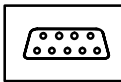
D = X13254 26 Pins, green

**X10182**

Pin	Type	Description/Function	Connection
1	E	Crash signal	Crash control 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 II)
16		Not used	
17		Not used	
18	E	Power supply	Front power distribution box

E = Input, A = Output, M = Ground





## Pin Assignments

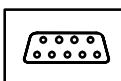
### X13252

Pin	Type	Description/Function	Connection
1	A	Central arrest signal	Lock motors
2	A	Unlock signal	Lock motors
3		Not used	
4	A	Automatic interior light signal	Side light switch
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 (Late Production)	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
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
10		Not used	

E = Input, A = Output, M = Ground



## Pin Assignments

Pin	Type	Description/Function	Connection
11		Not used	
12		Not used	
13	E	Central arrest signal	Door lock switches
14	E	Lock signal 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
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	
11		Not used	
12		Not used	

E = Input, A = Output, M = Ground

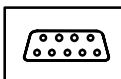


03/98

6100.0-d

1997

Z3

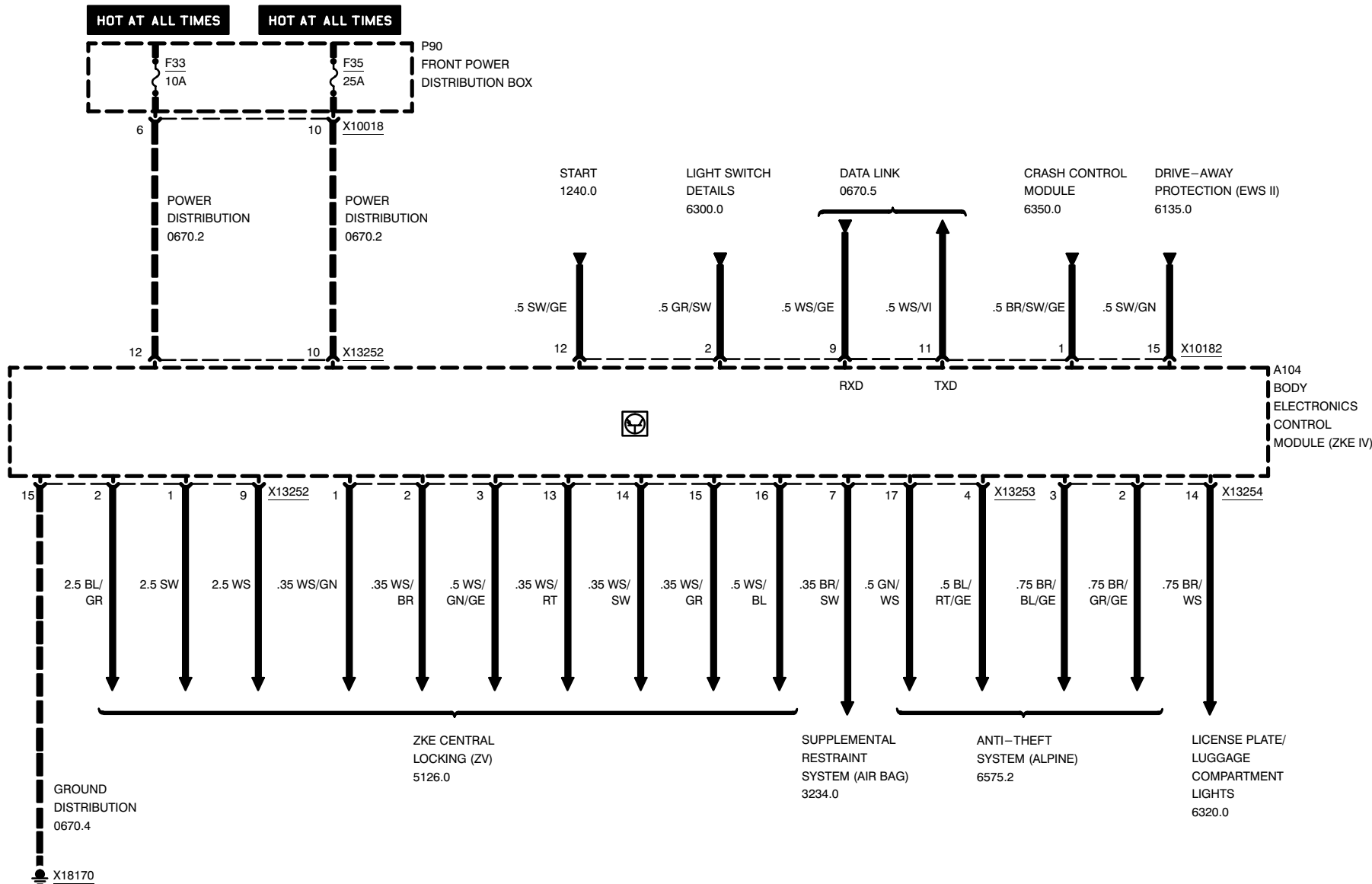


## Pin Assignments

Pin	Type	Description/Function	Connection
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	

E = Input, A = Output, M = Ground

# CENTRAL BODY ELECTRONICS (ZKE IV)





Z3

# CENTRAL BODY ELECTRONICS (ZKE IV)

**HOT AT ALL TIMES**

POWER  
DISTRIBUTION  
0670.2

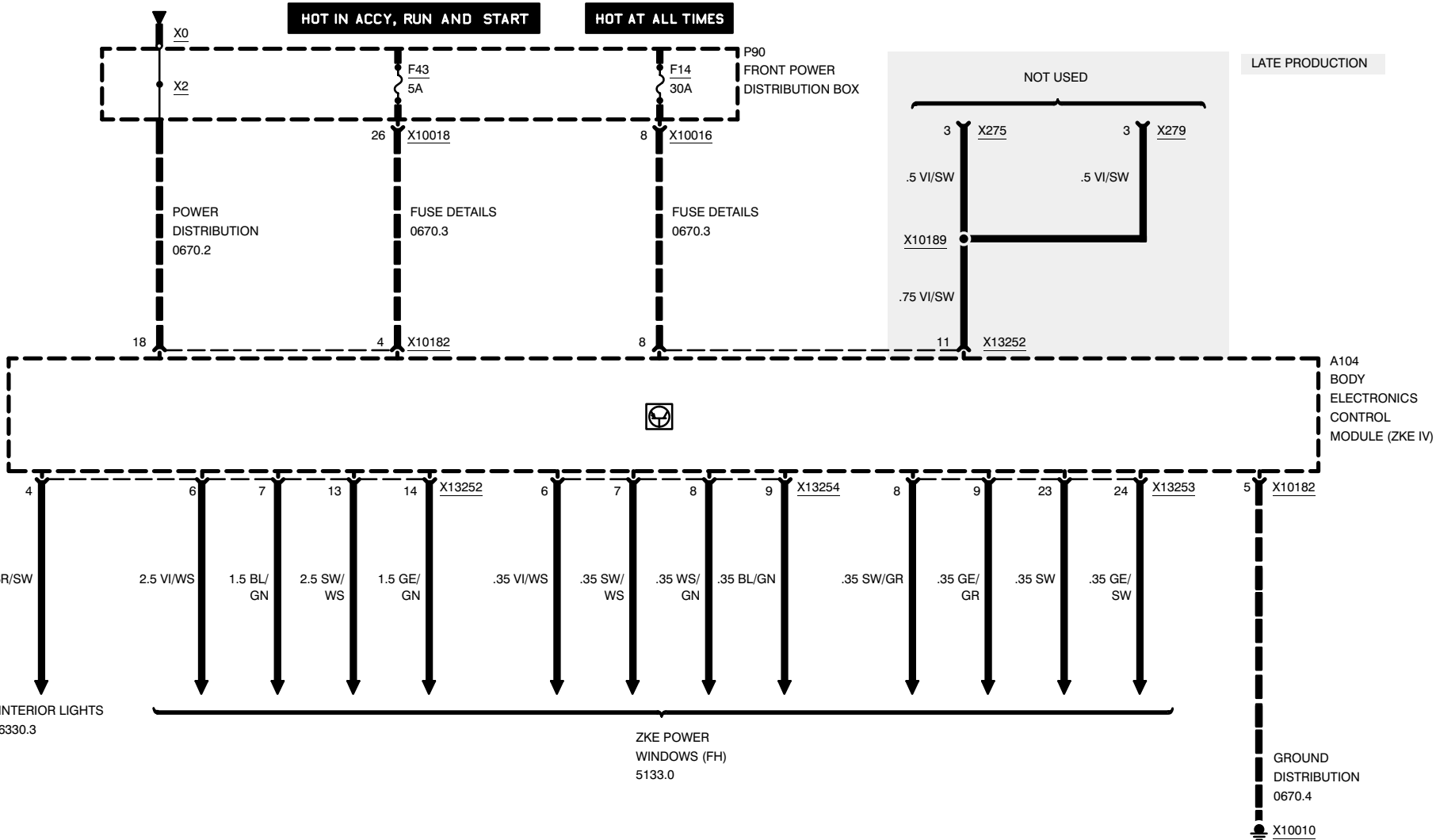
**HOT IN ACCY, RUN AND START**

**HOT AT ALL TIMES**

P90  
FRONT POWER  
DISTRIBUTION BOX

NOT USED

LATE PRODUCTION

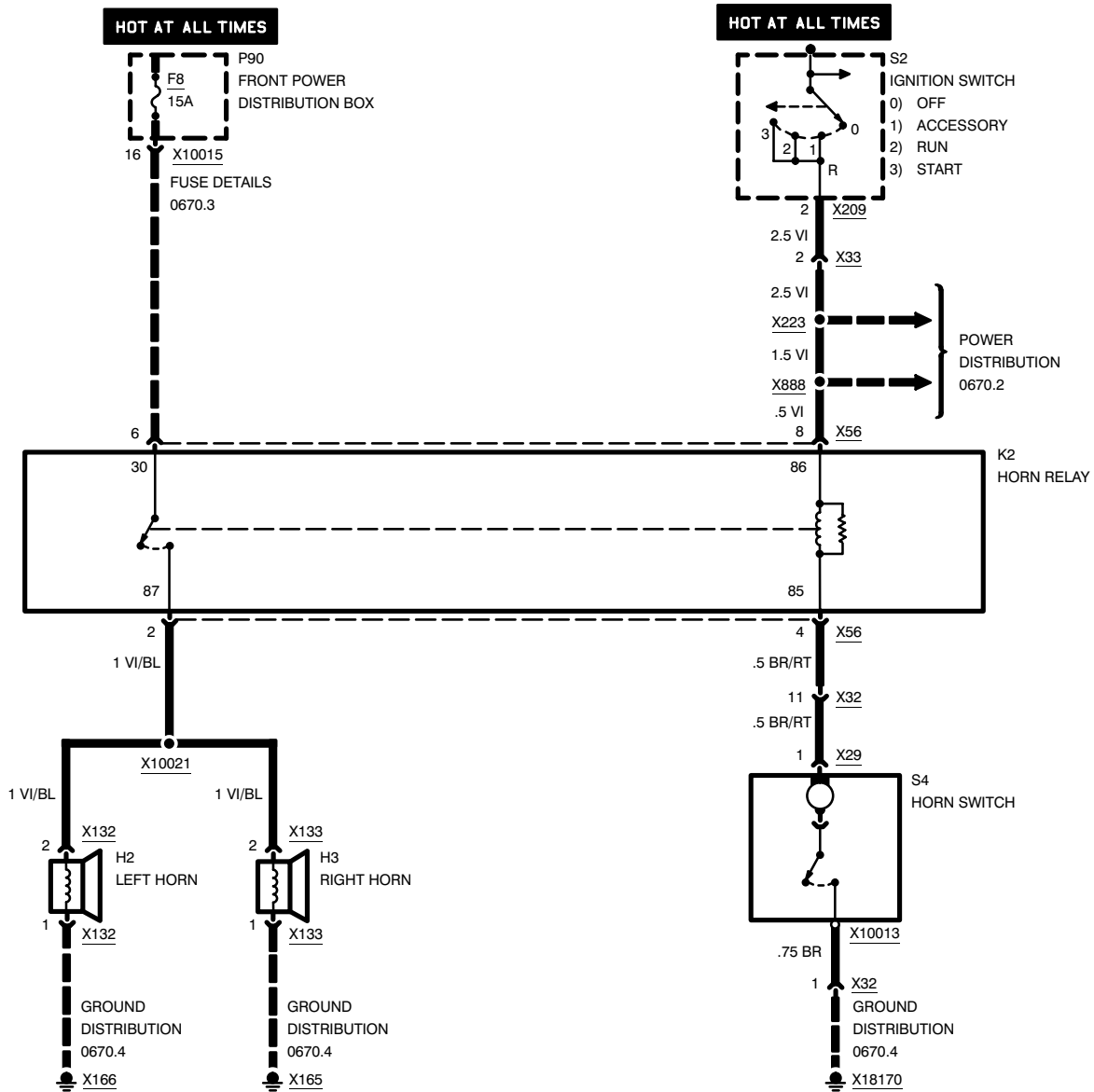


03/98

6100.0-01

1997

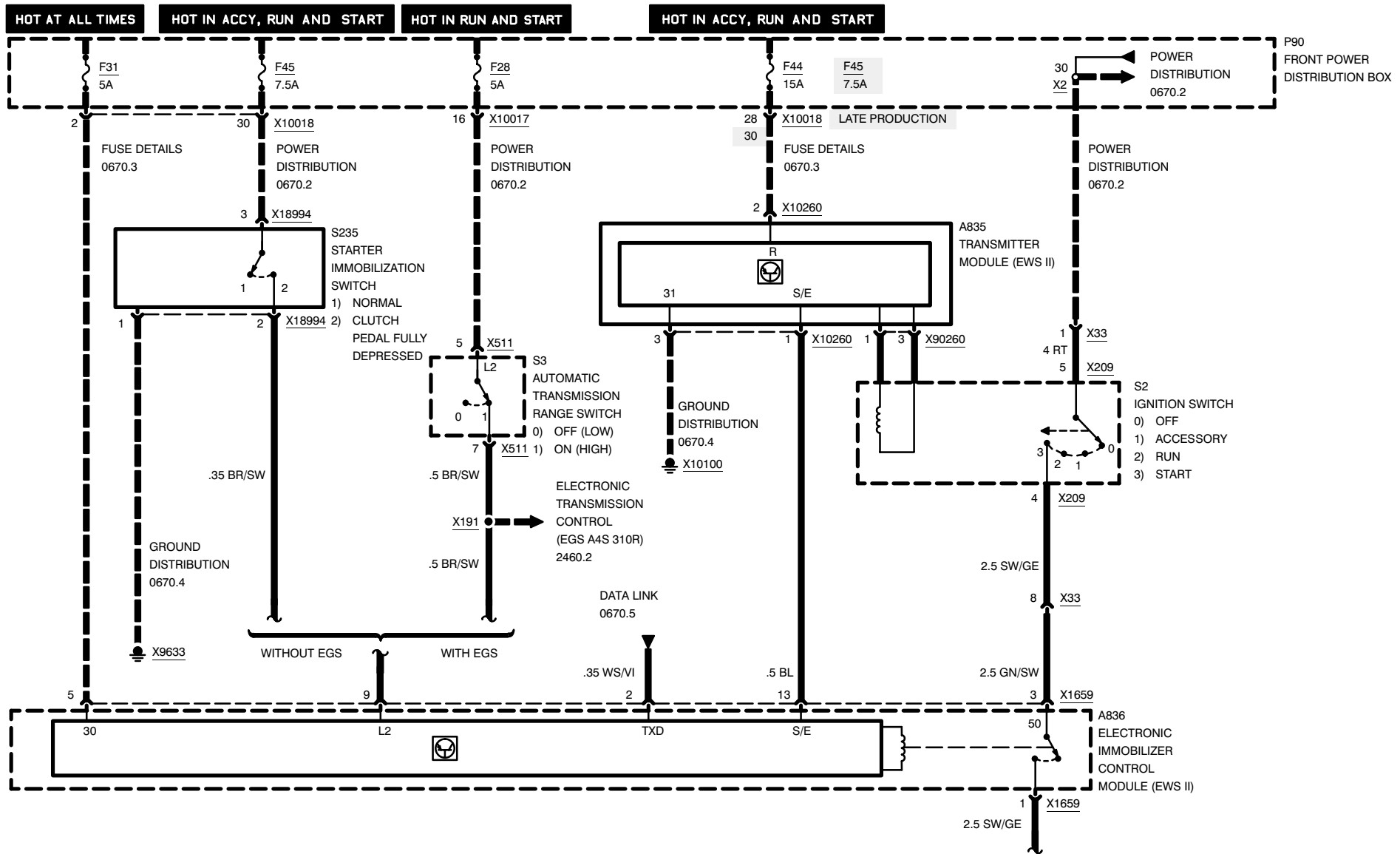
# HORN





# DRIVE-AWAY PROTECTION (EWS II)

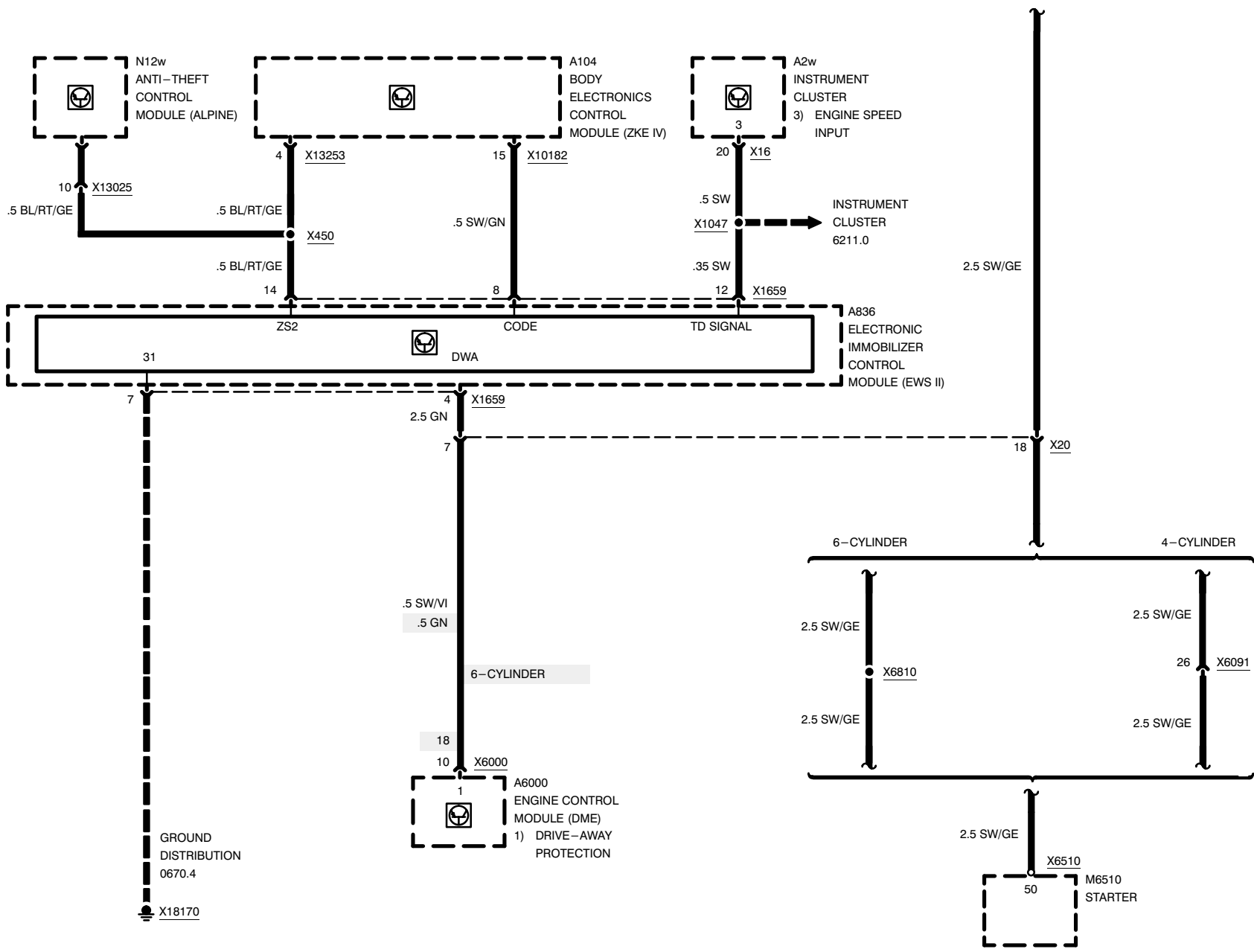
Z3



03/98

6135.0-00

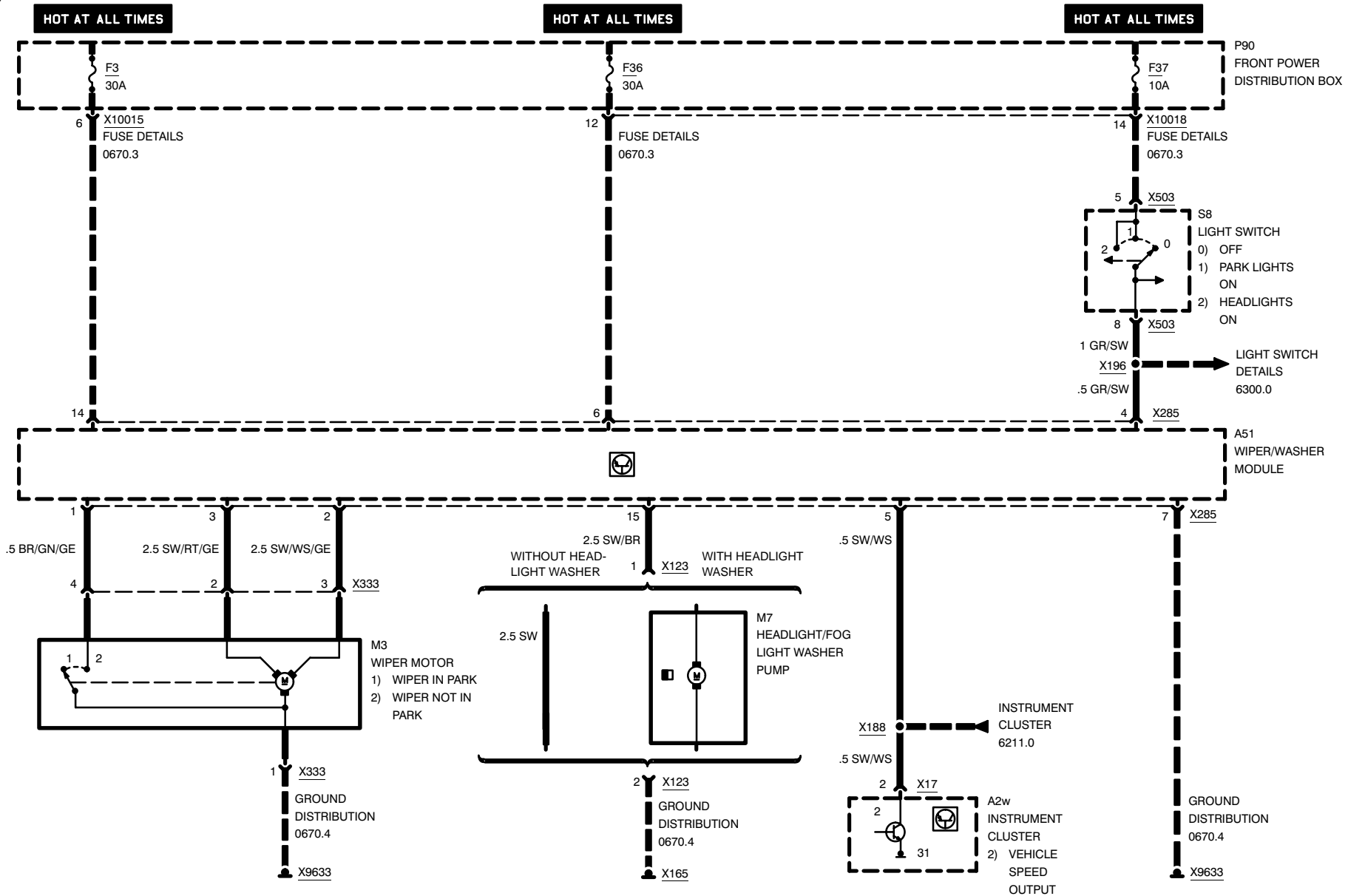
1997





# WIPER/WASHER MODULE (WWM)

## WIPER – HIGH

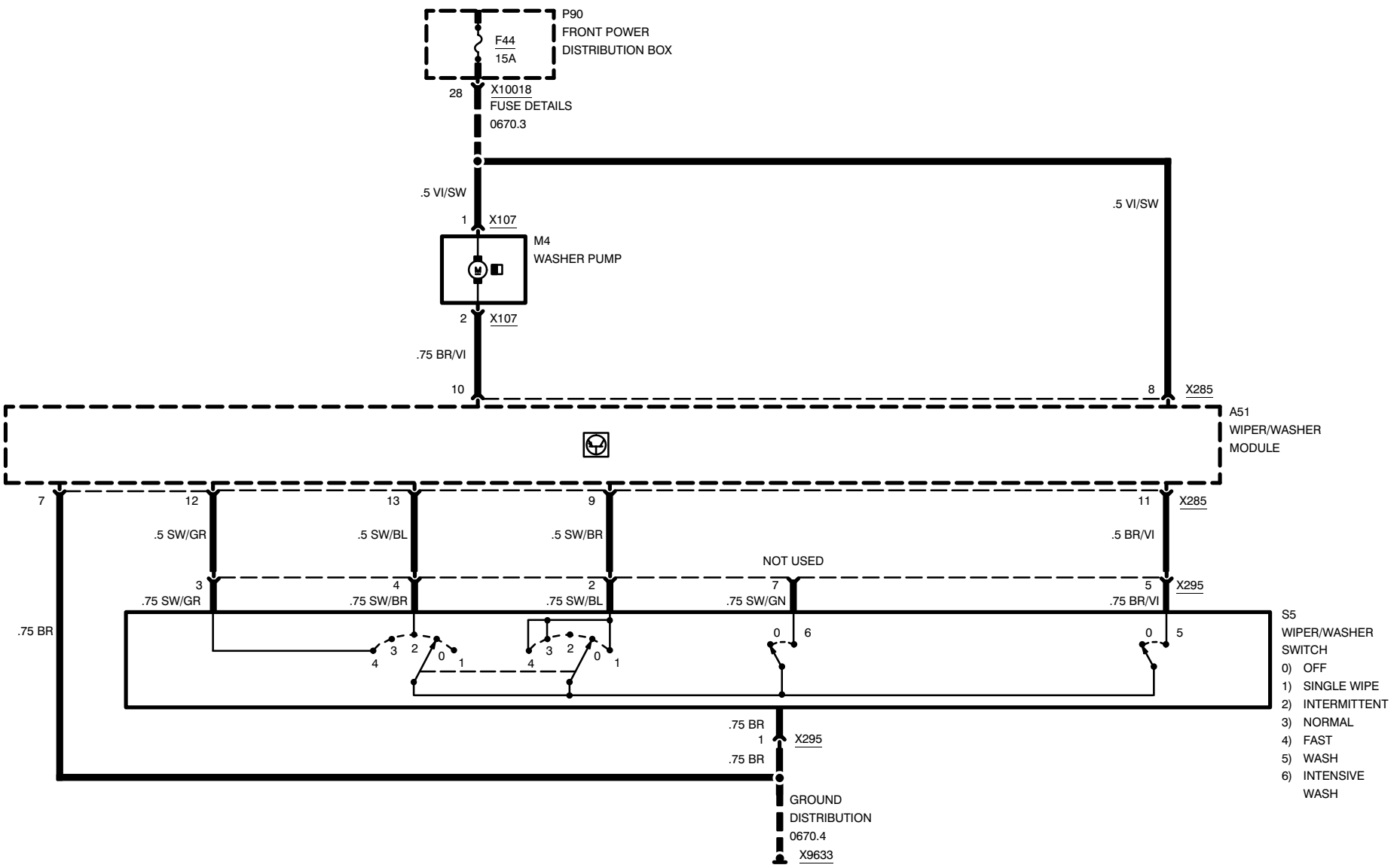




# WIPER/WASHER MODULE (WWM)

HIGH

HOT IN ACCY, RUN AND START



- S5  
WIPER/WASHER  
SWITCH
- 0) OFF
  - 1) SINGLE WIPE
  - 2) INTERMITTENT
  - 3) NORMAL
  - 4) FAST
  - 5) WASH
  - 6) INTENSIVE WASH

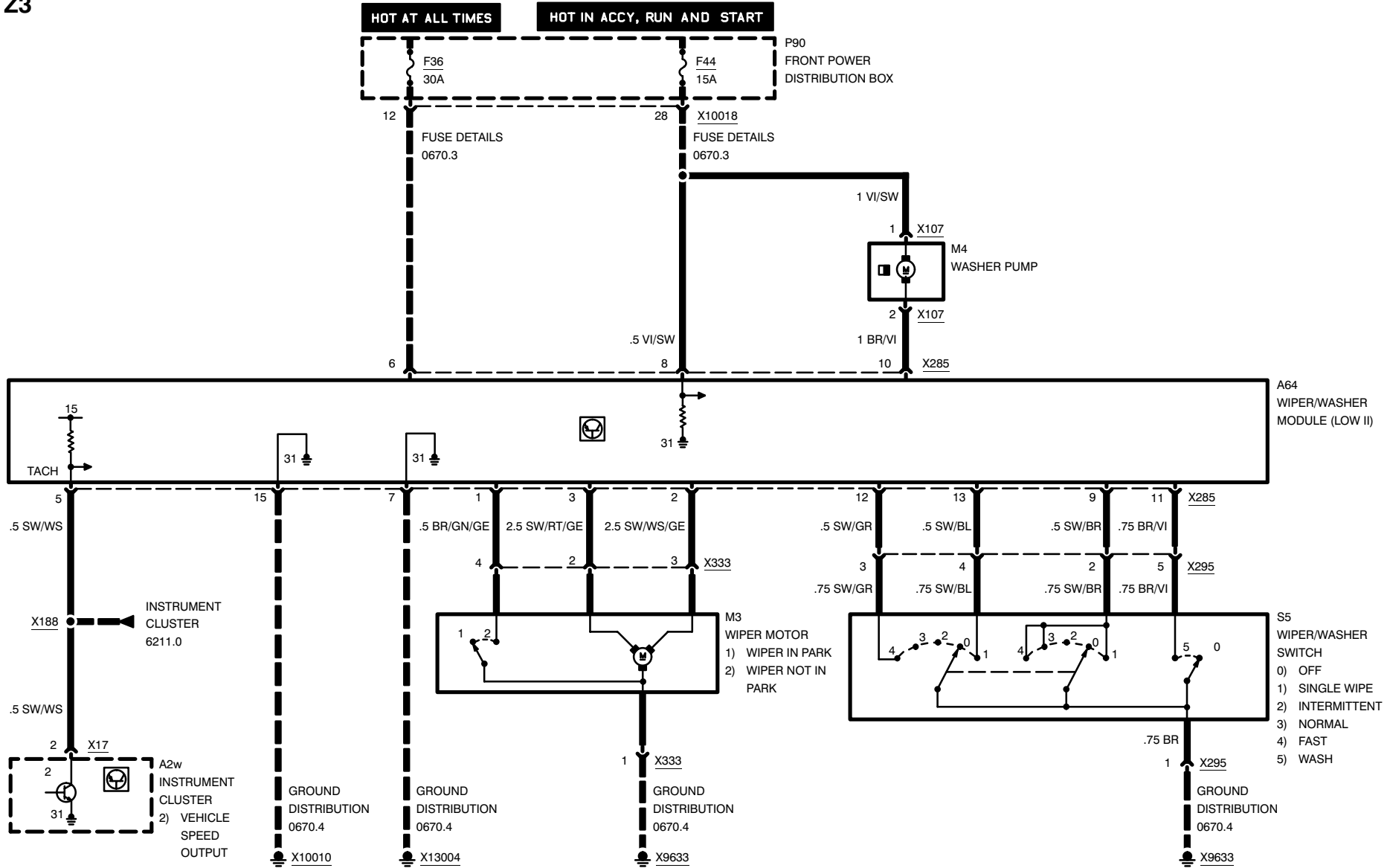
03/98  
6160.1-01  
1997



# WIPER/WASHER MODULE (WWM)

LOW

Z3

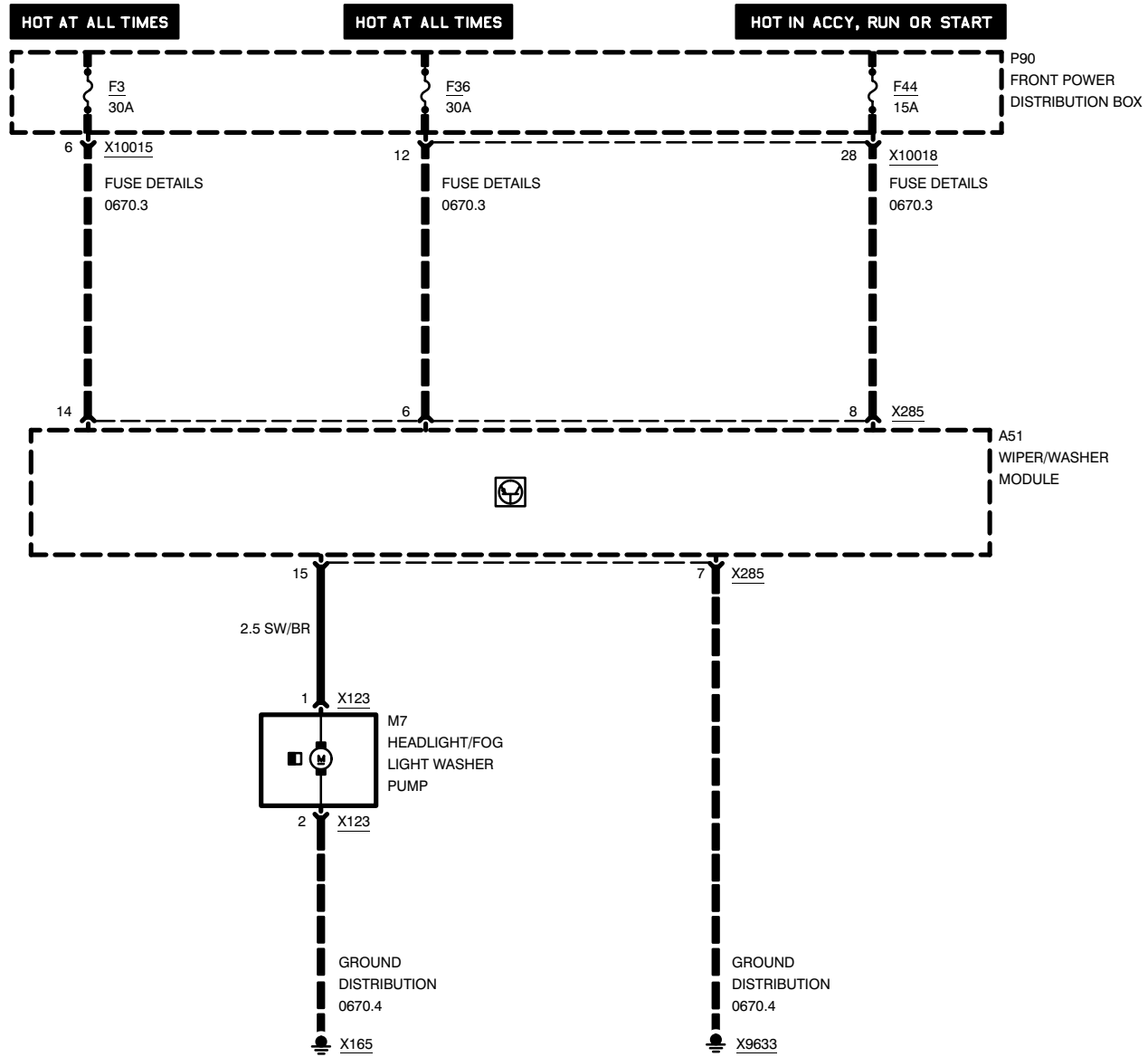


03/98

6160.1-02

1997

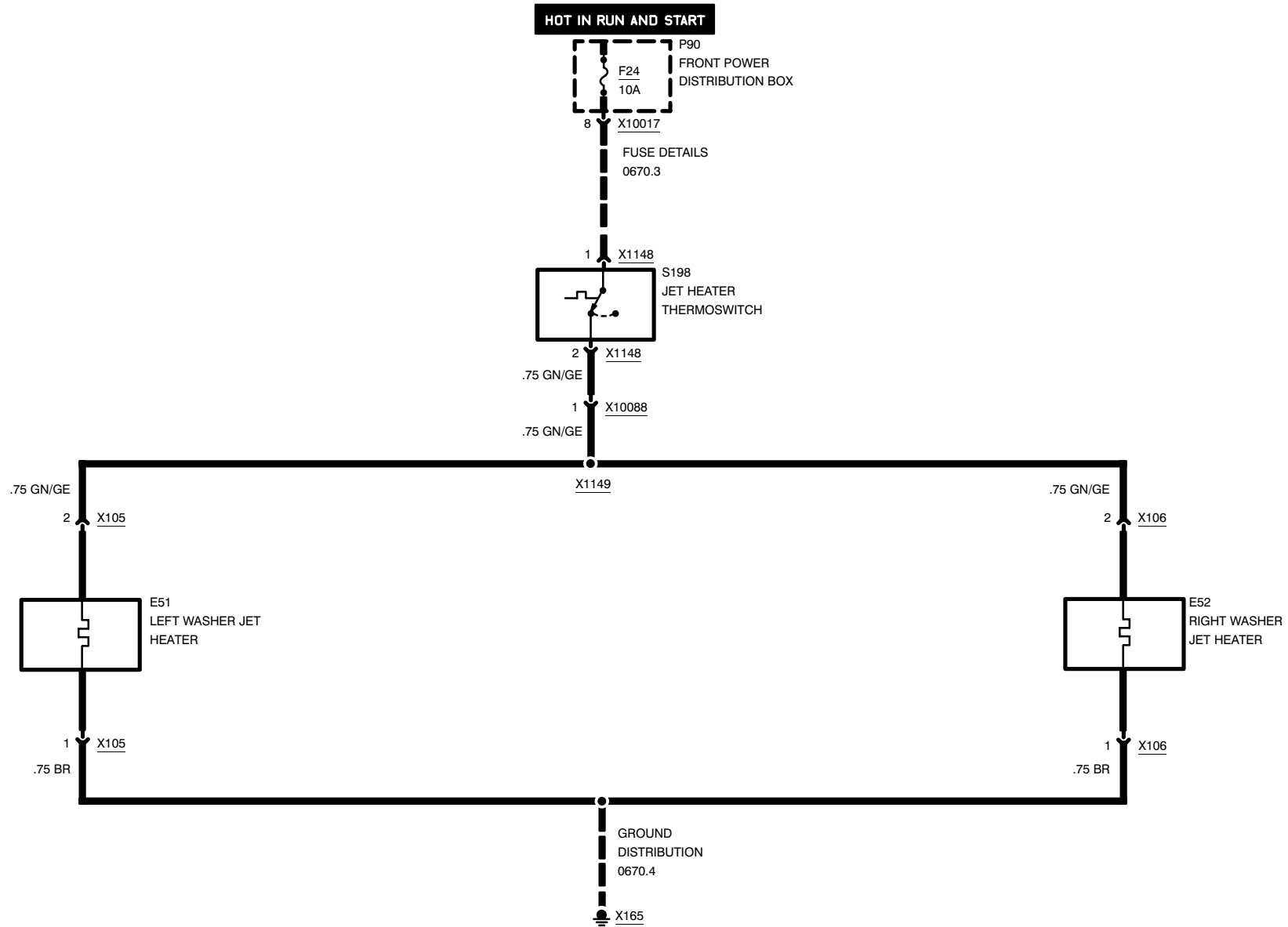
# HEADLIGHT WASHER (SRA)





Z3

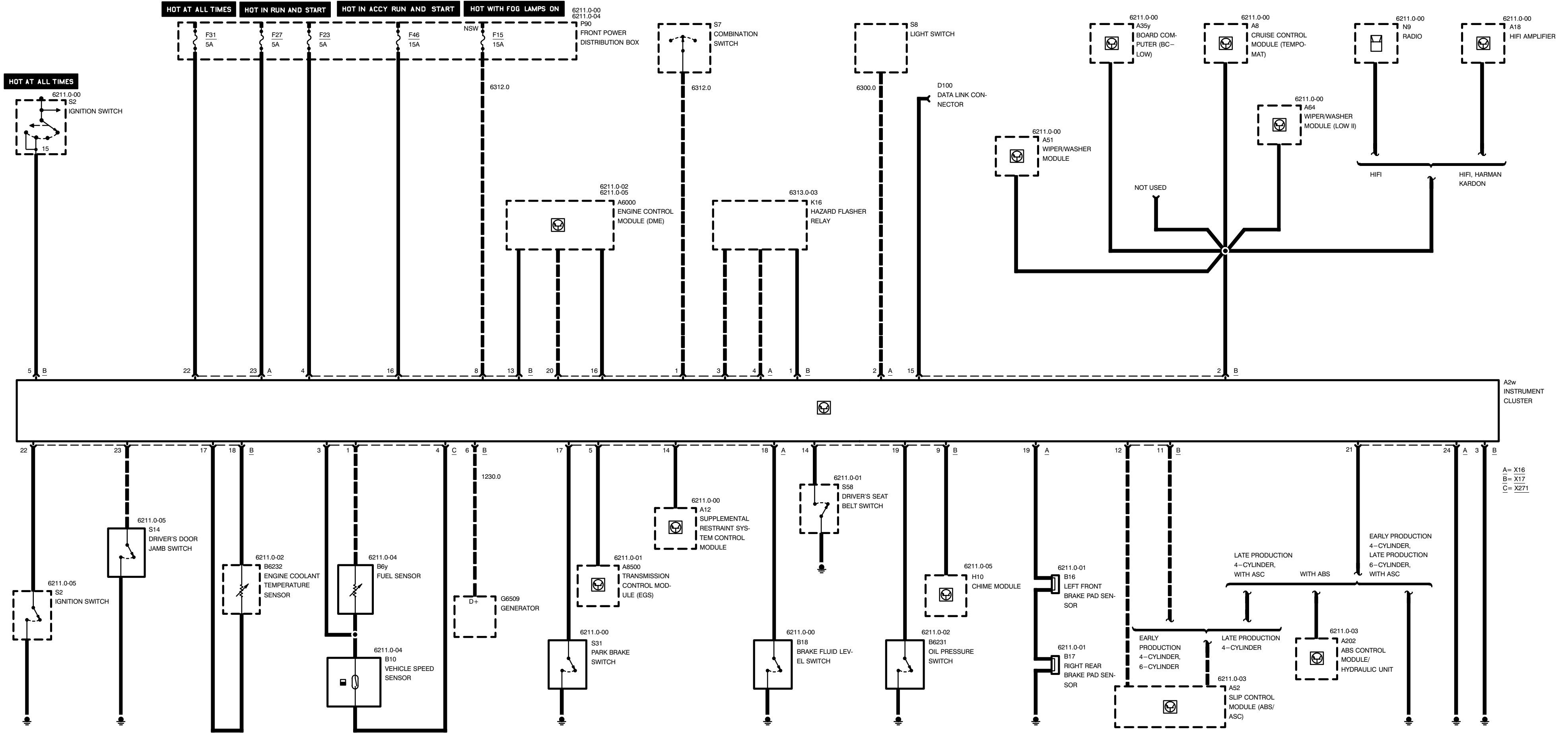
# WINDSHIELD WASHER JET HEATERS



03/98

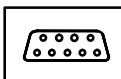
6169.0-00

1997



A2w INSTRUMENT CLUSTER

A= X16  
B= X17  
C= X271

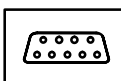


## Pin Assignments

### 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	E	Warning lamp for EGS fault (information signal transmission oil temperature)	Transmission control module (EGS)
6		Not used	
7		Not used	
8		Not used	
9		Not used	
10		Not used	
11		Not used	
12		Not used	
13		Not used	
14	E	Airbag warning lamp (SRS) control	Supplemental restraint system control module
15		Not used	
16	E	"Check engine" indicator control	Engine control module (DME)
17	E	Park brake warning lamp control	Park brake switch
18	E	Brake fluid warning lamp control	Brake fluid level switch
19	E	Brake pad wear warning lamp control	Brake pad sensors
20	E	Crankshaft RPM speed signal TD	Engine control module (DME)
21		Not used	
22	E	Voltage supply, terminal 30	Front power distribution box, fuse 31
23	E	Voltage supply, terminal 15 for indicator and warning lamps	Front power distribution box, fuse 27
24	M	Ground supply, terminal 31 for instrument cluster electronics	Ground point
25		Not used	
26		Not used	

E = Input, A = Output, M = Ground



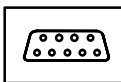
## Pin Assignments

### X17

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

E = Input, A = Output, M = Ground





## 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		Not used	
26		Not used	

### X271

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

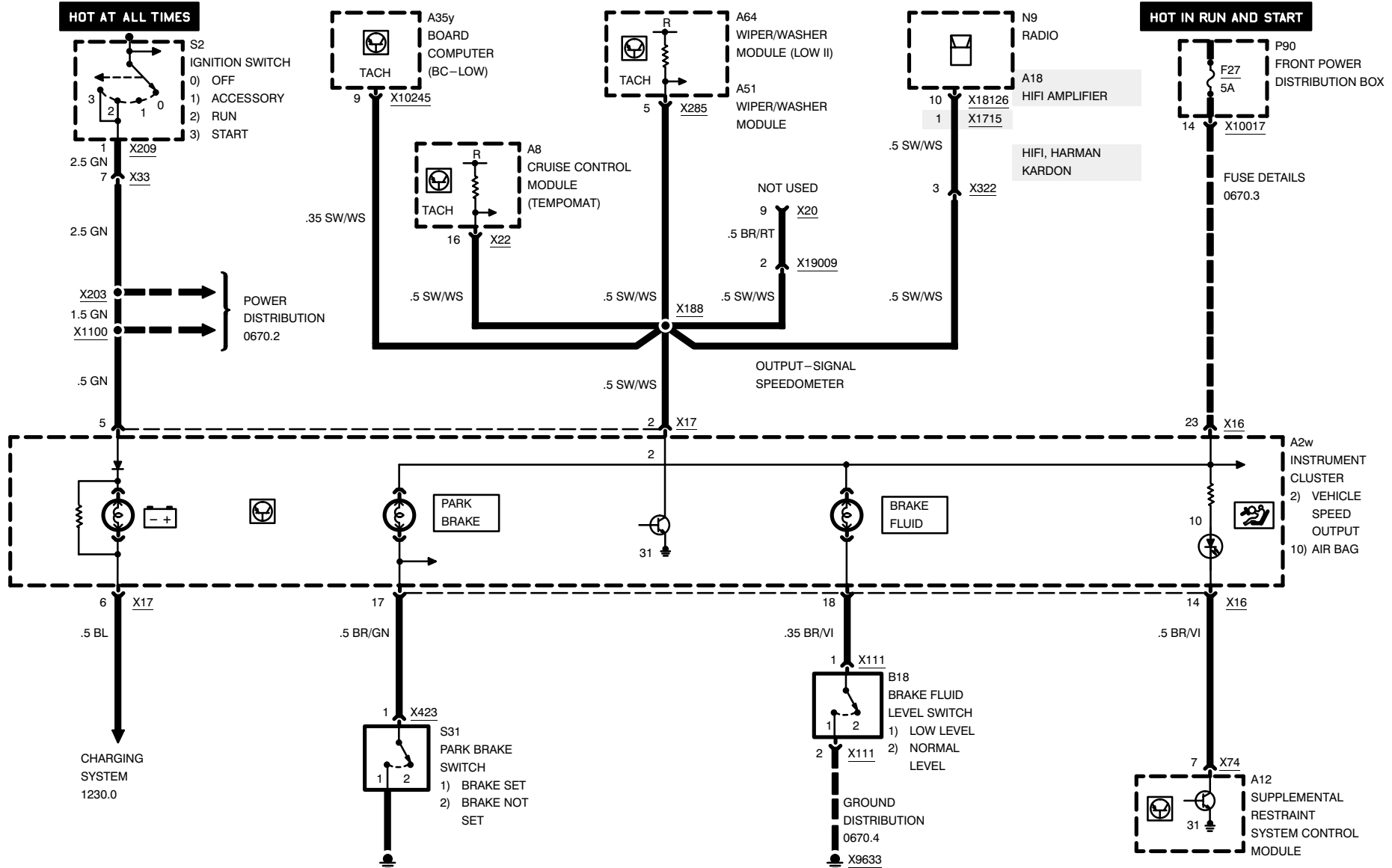
E = Input, A = Output, M = Ground



Z3

# INSTRUMENT CLUSTER

## INDICATORS



03/98

6211.0-00

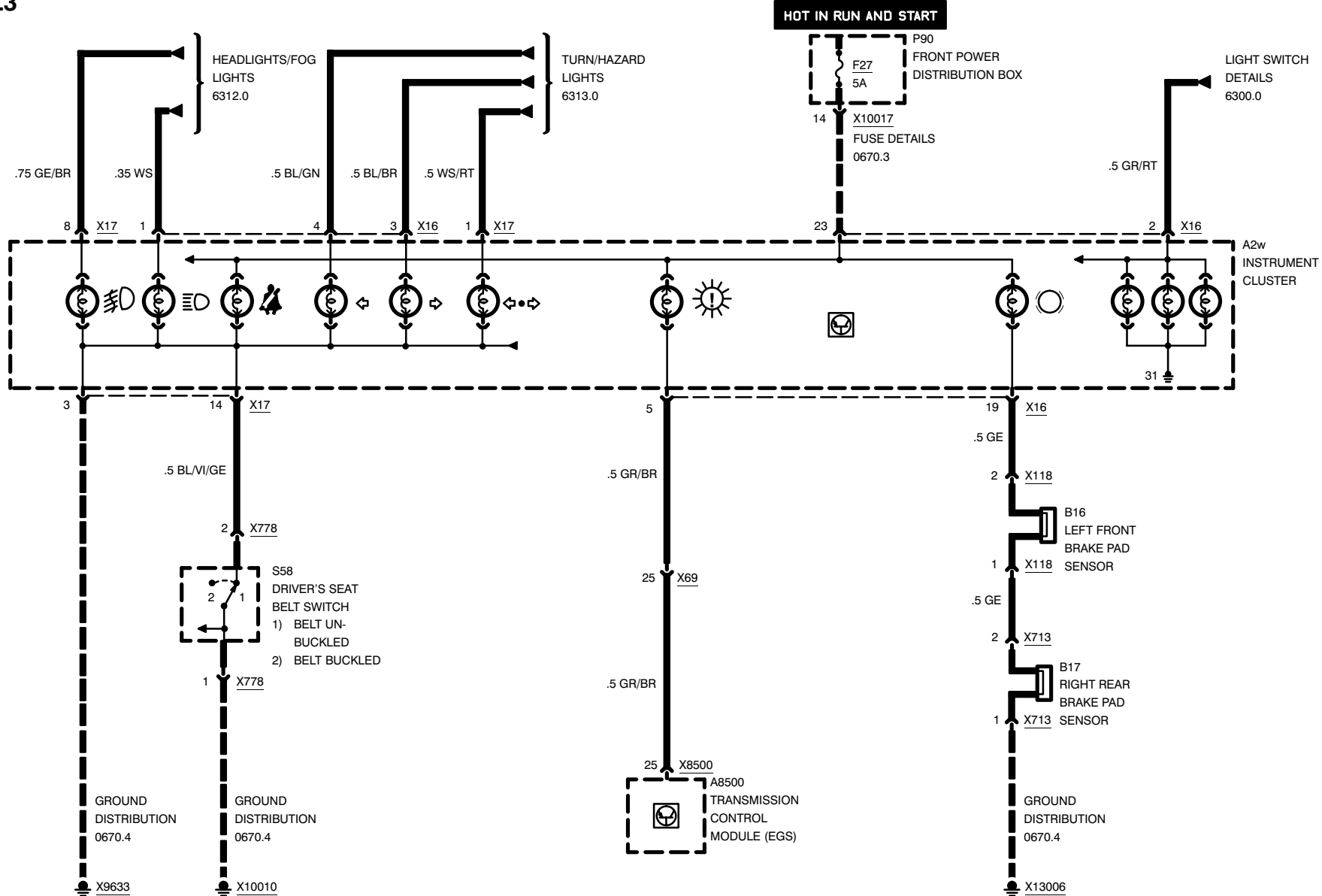
1997



# INSTRUMENT CLUSTER

## INDICATORS

Z3



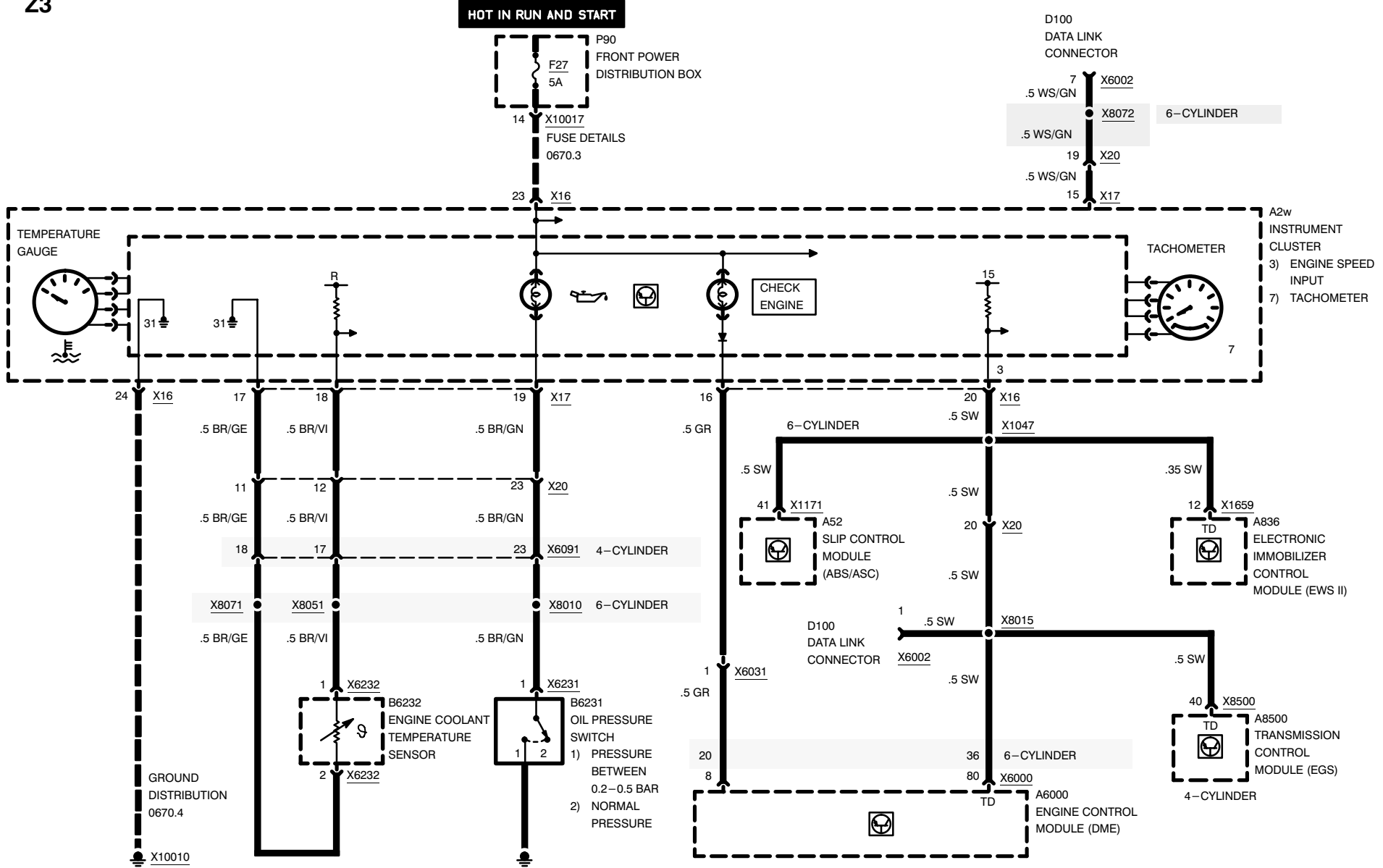
03/98

6211.0-01

1997



# INSTRUMENT CLUSTER INDICATORS

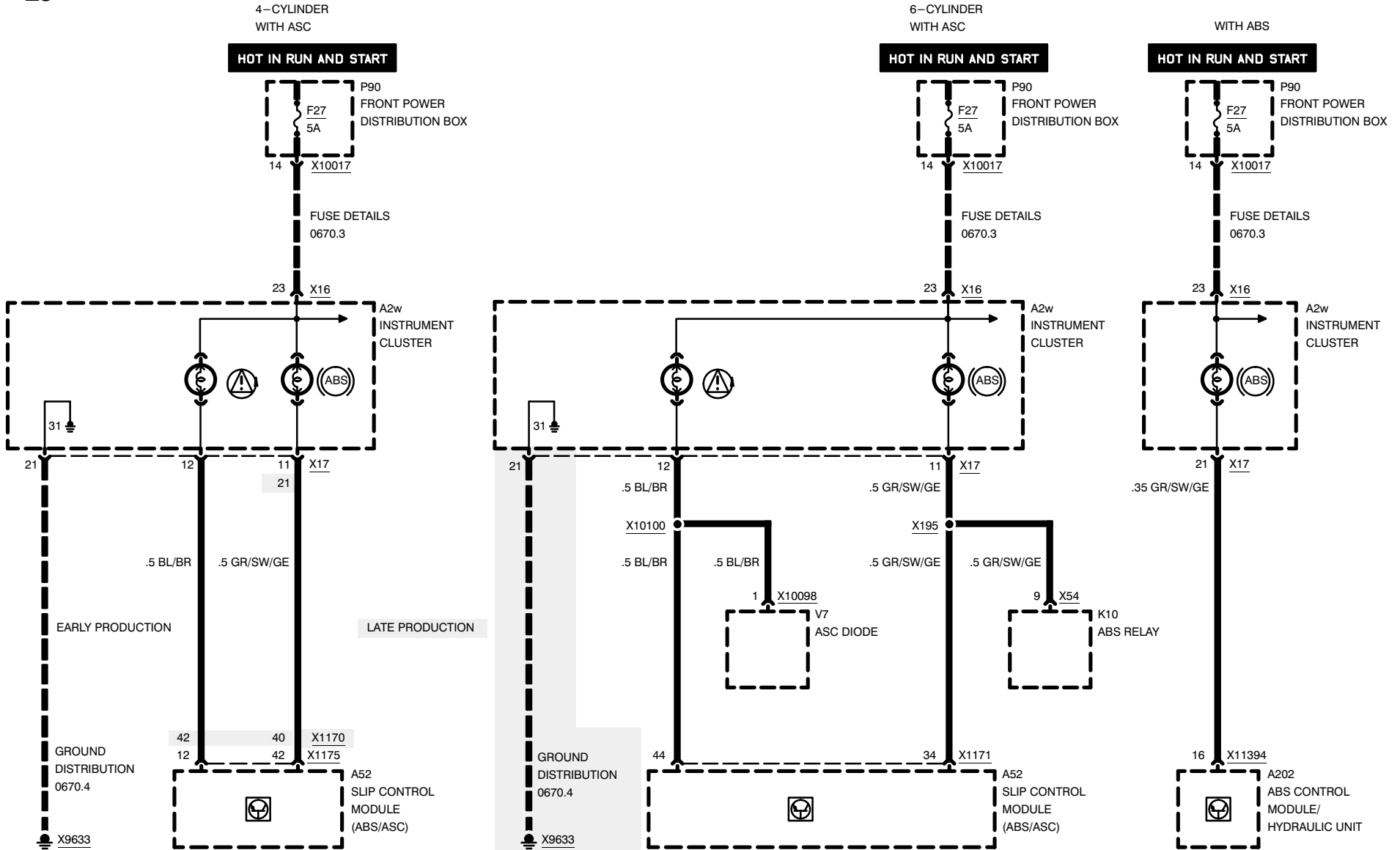




Z3

# INSTRUMENT CLUSTER

## INSTRUMENT CLUSTER – ABS AND ASC INDICATORS



03/98

6211.0-03

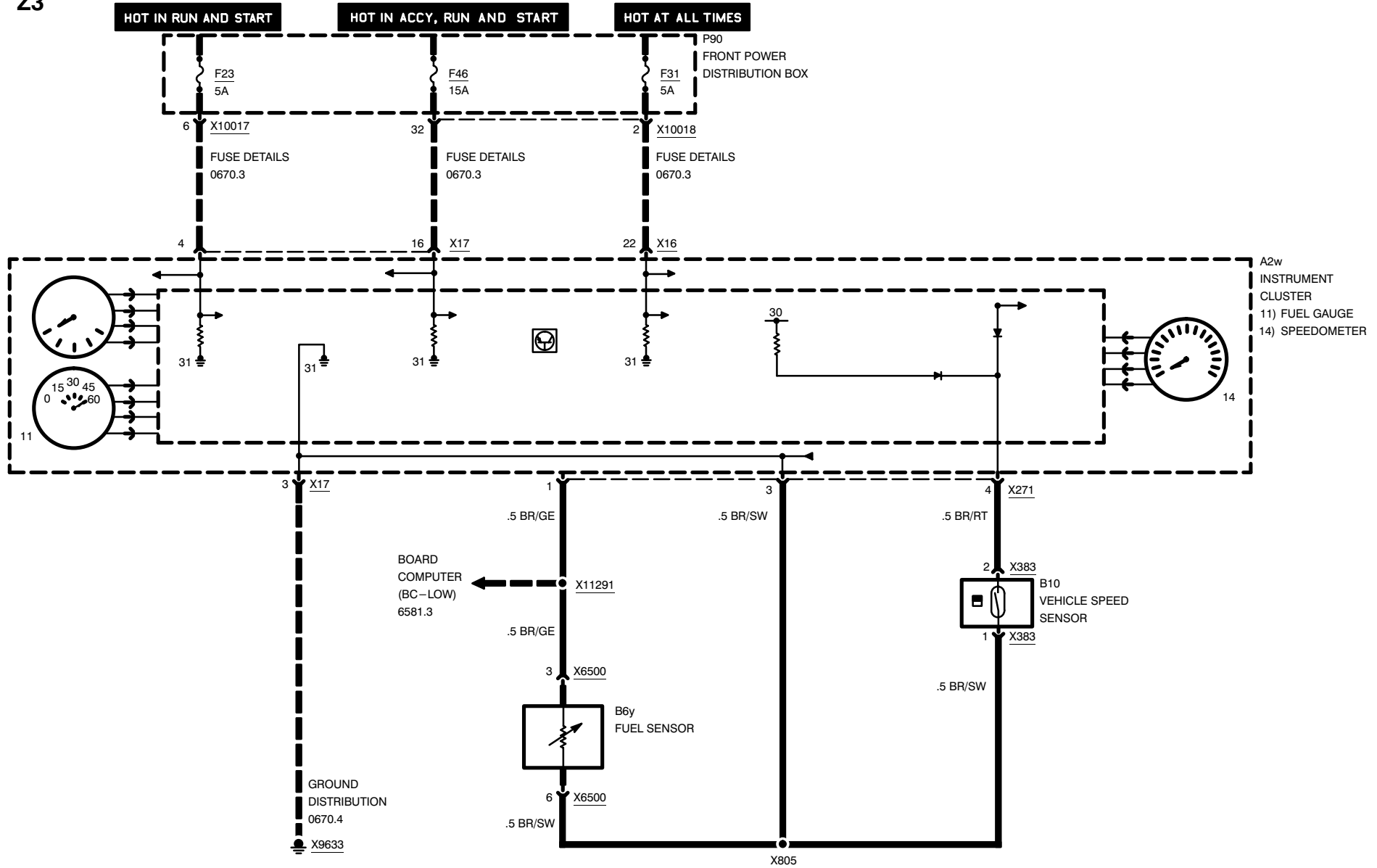
1997



# INSTRUMENT CLUSTER

## INDICATORS

Z3



03/98

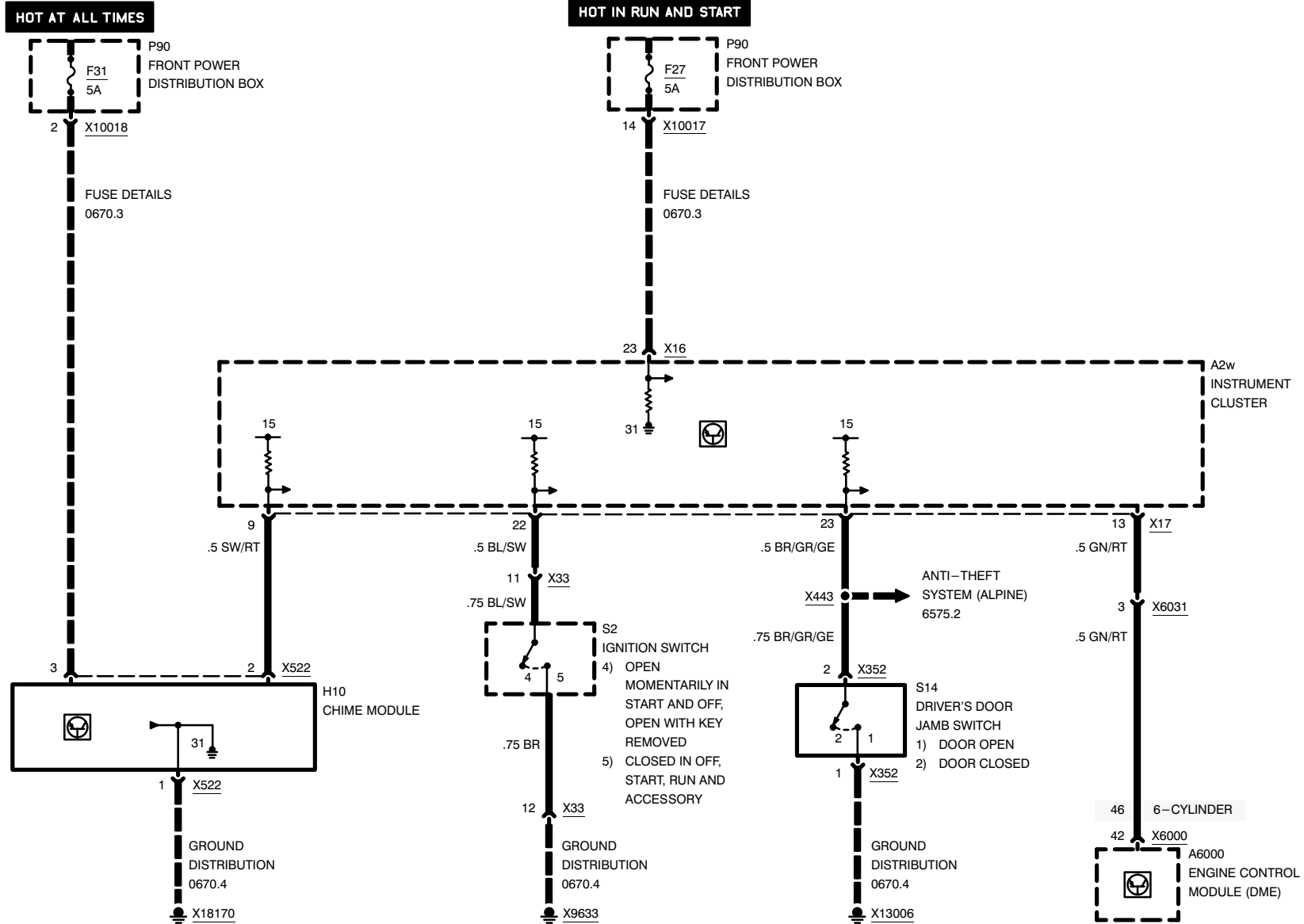
6211.0-04

1997



Z3

# INSTRUMENT CLUSTER



03/98

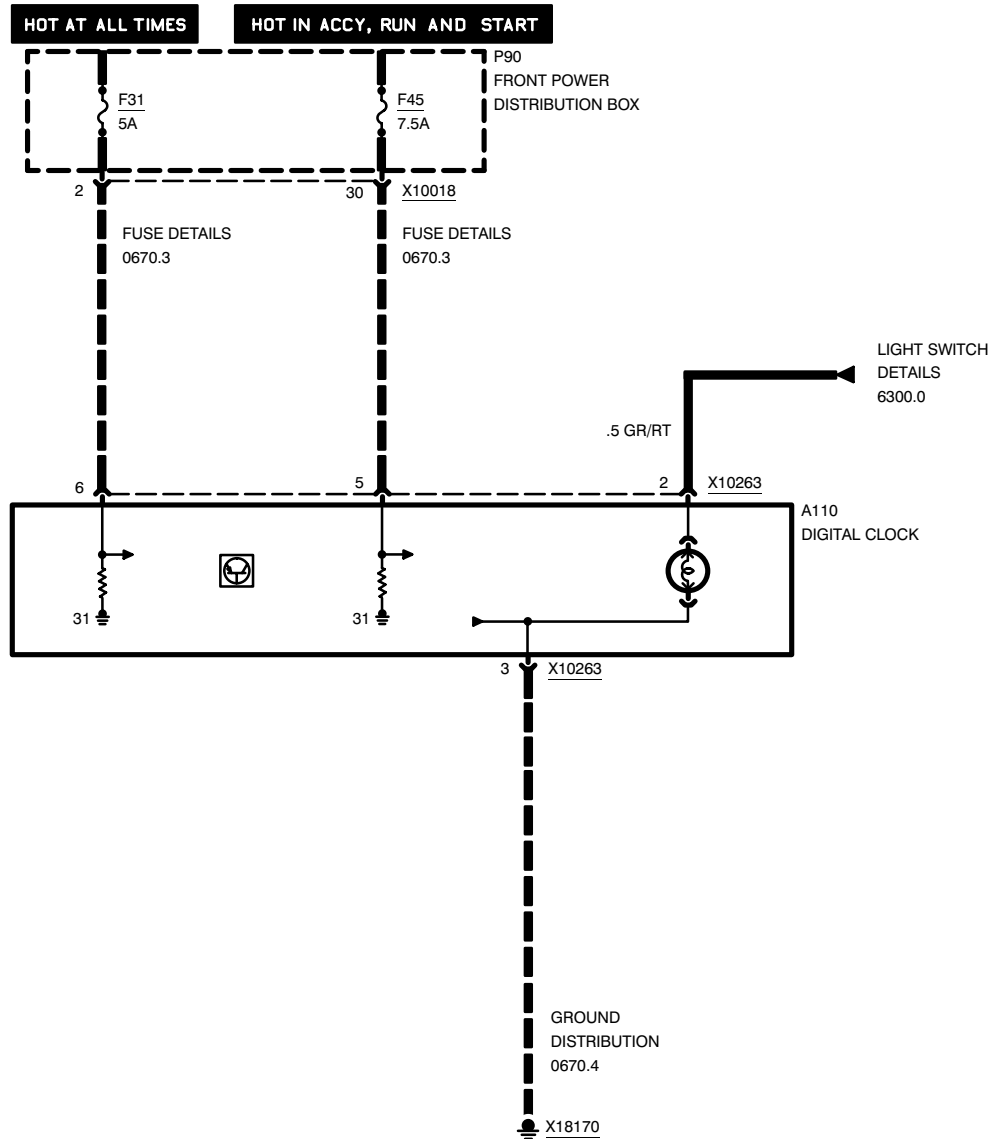
6211.0-05

1997



# DIGITAL CLOCK

Z3

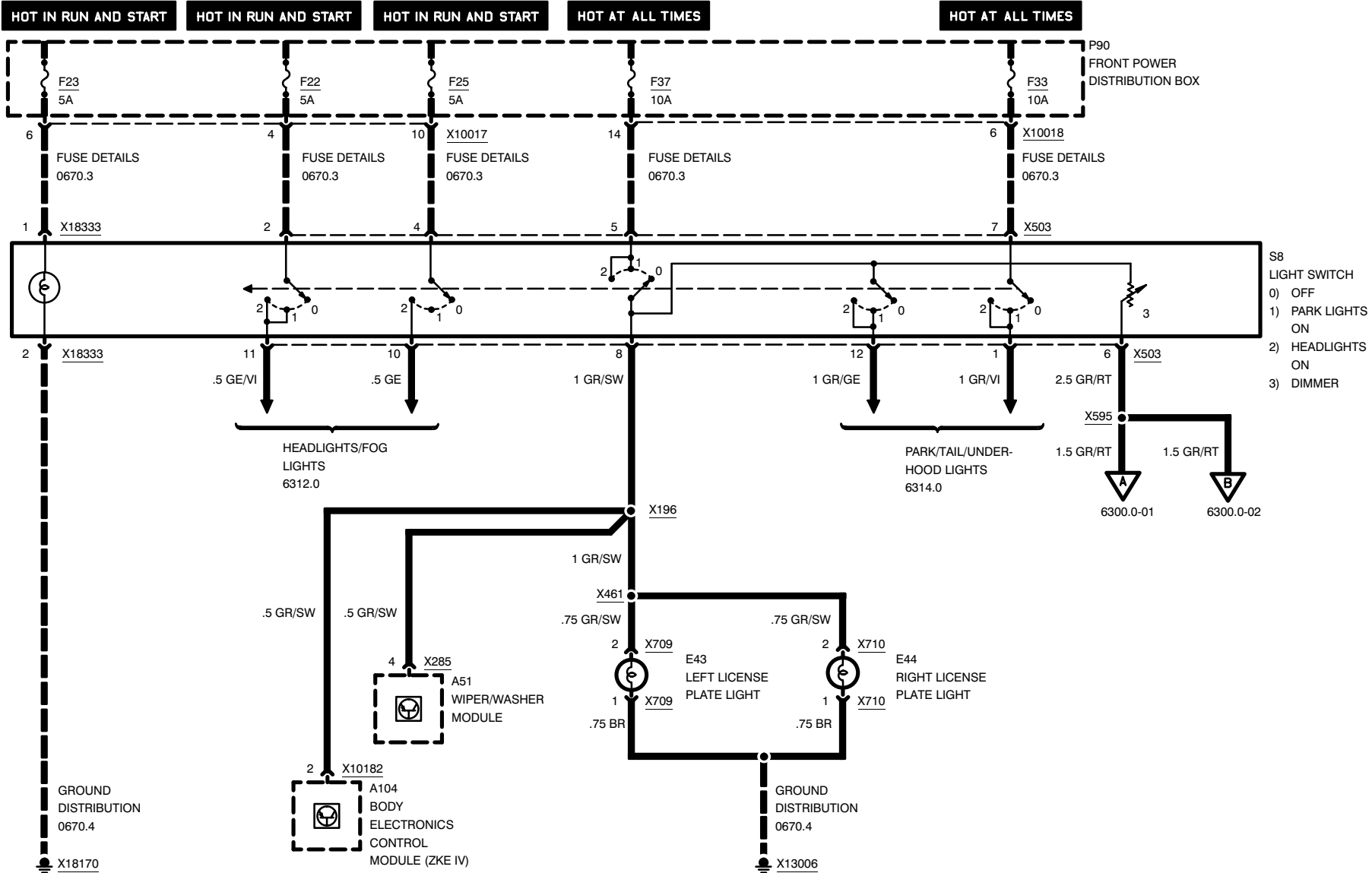






# LIGHT SWITCH DETAILS

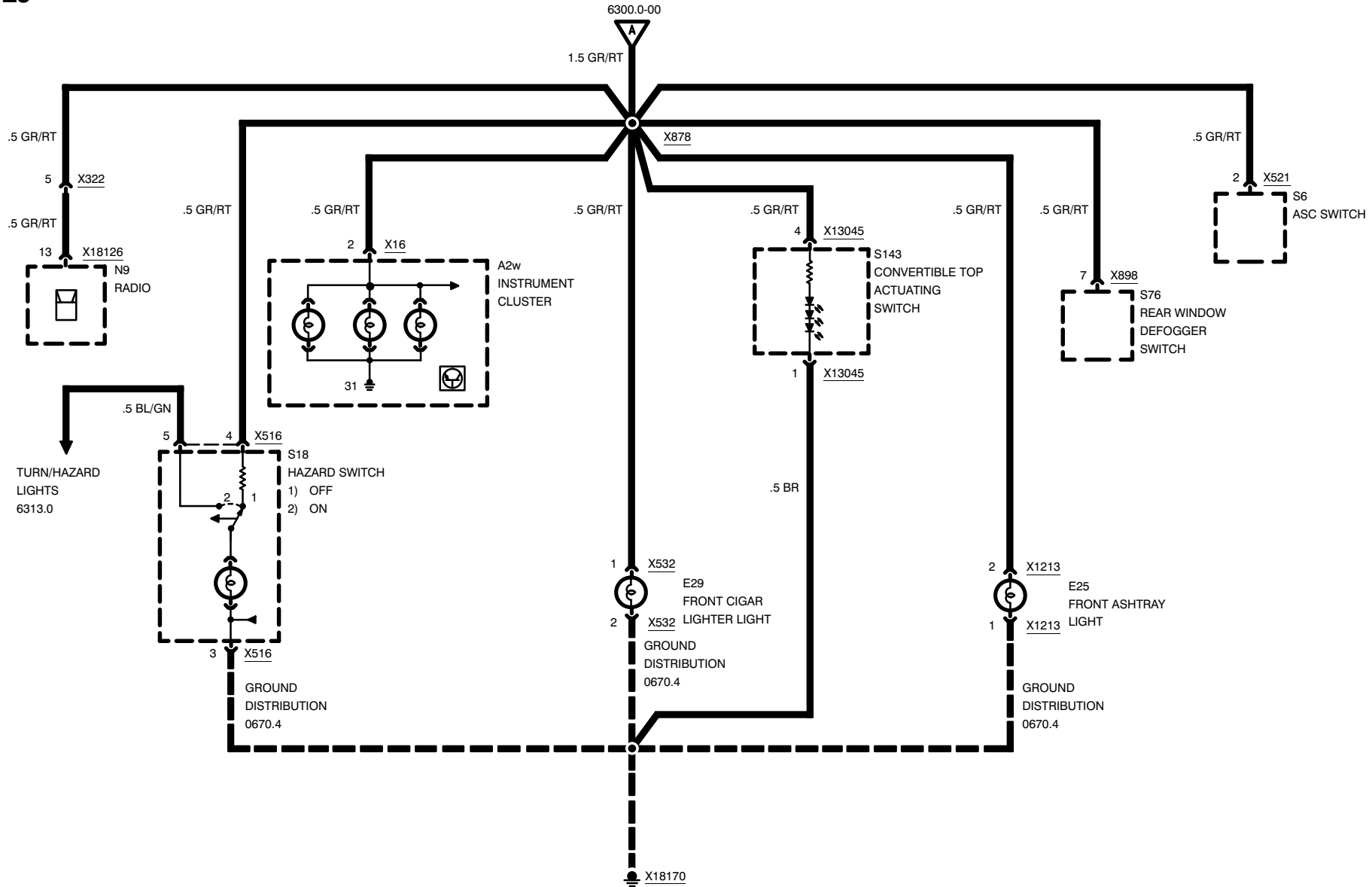
Z3





Z3

# LIGHT SWITCH DETAILS



03/98

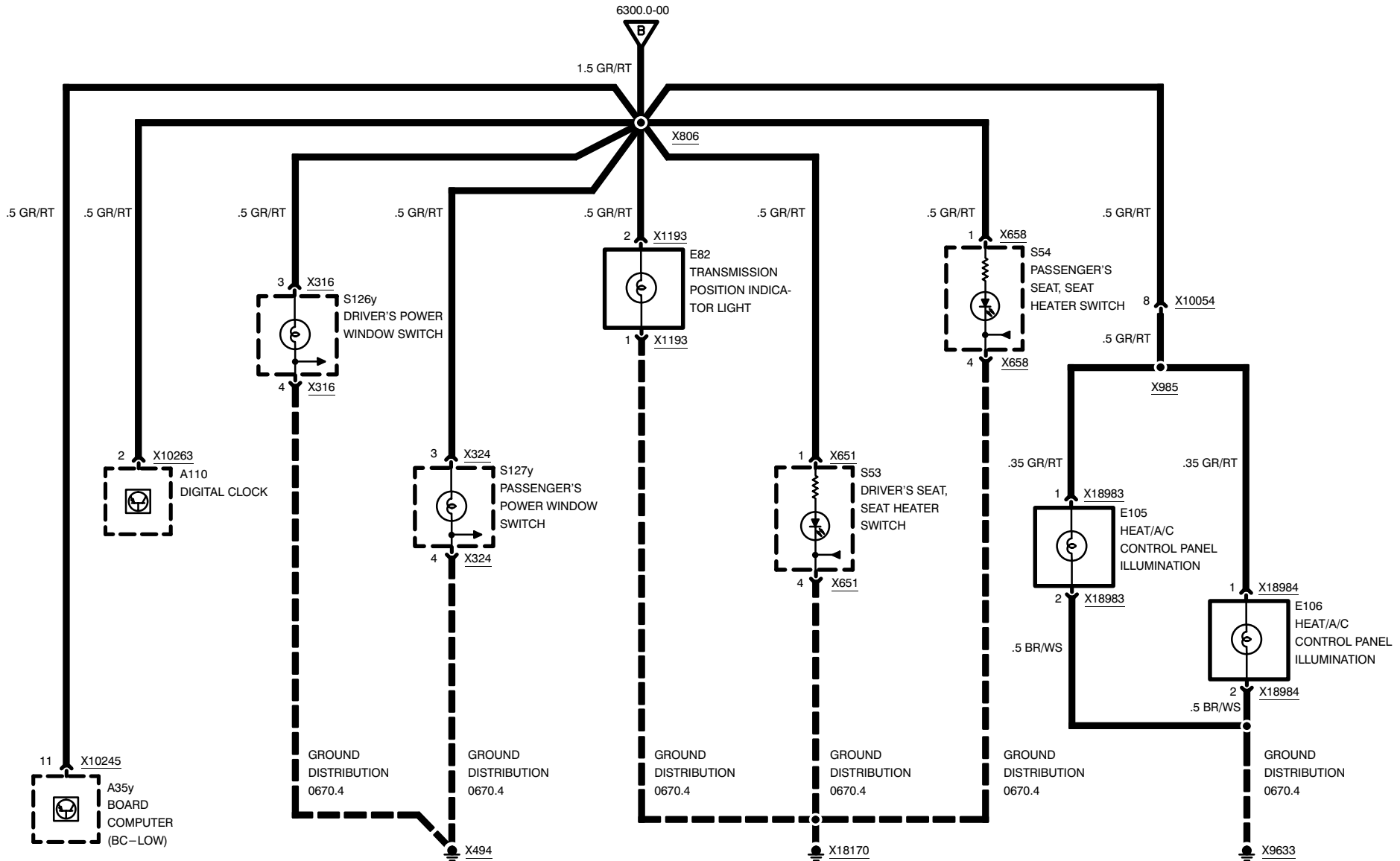
6300.0-01

1997



# LIGHT SWITCH DETAILS

Z3



03/98

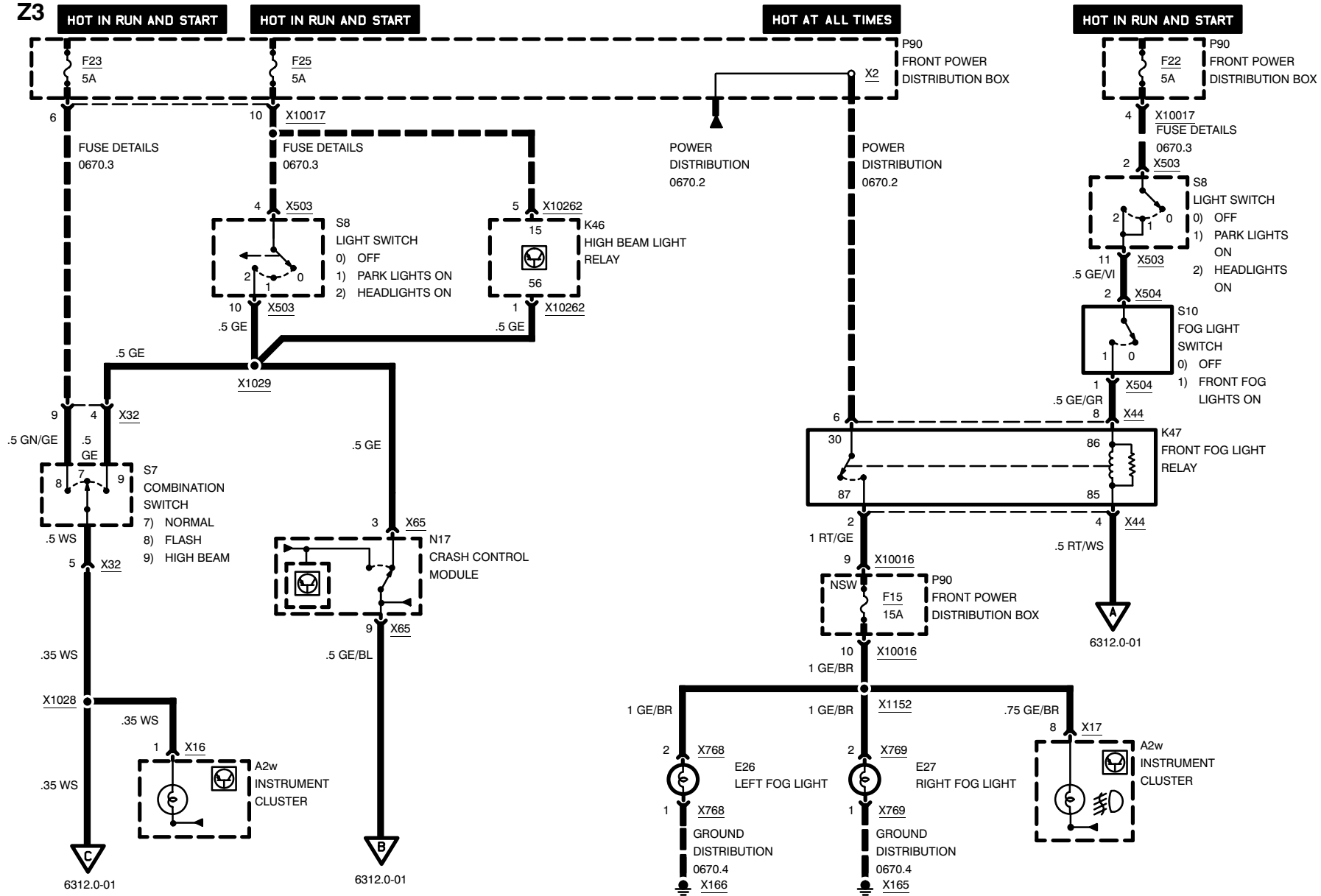
6300.0-02

1997



# HEADLIGHTS/FOG LIGHTS

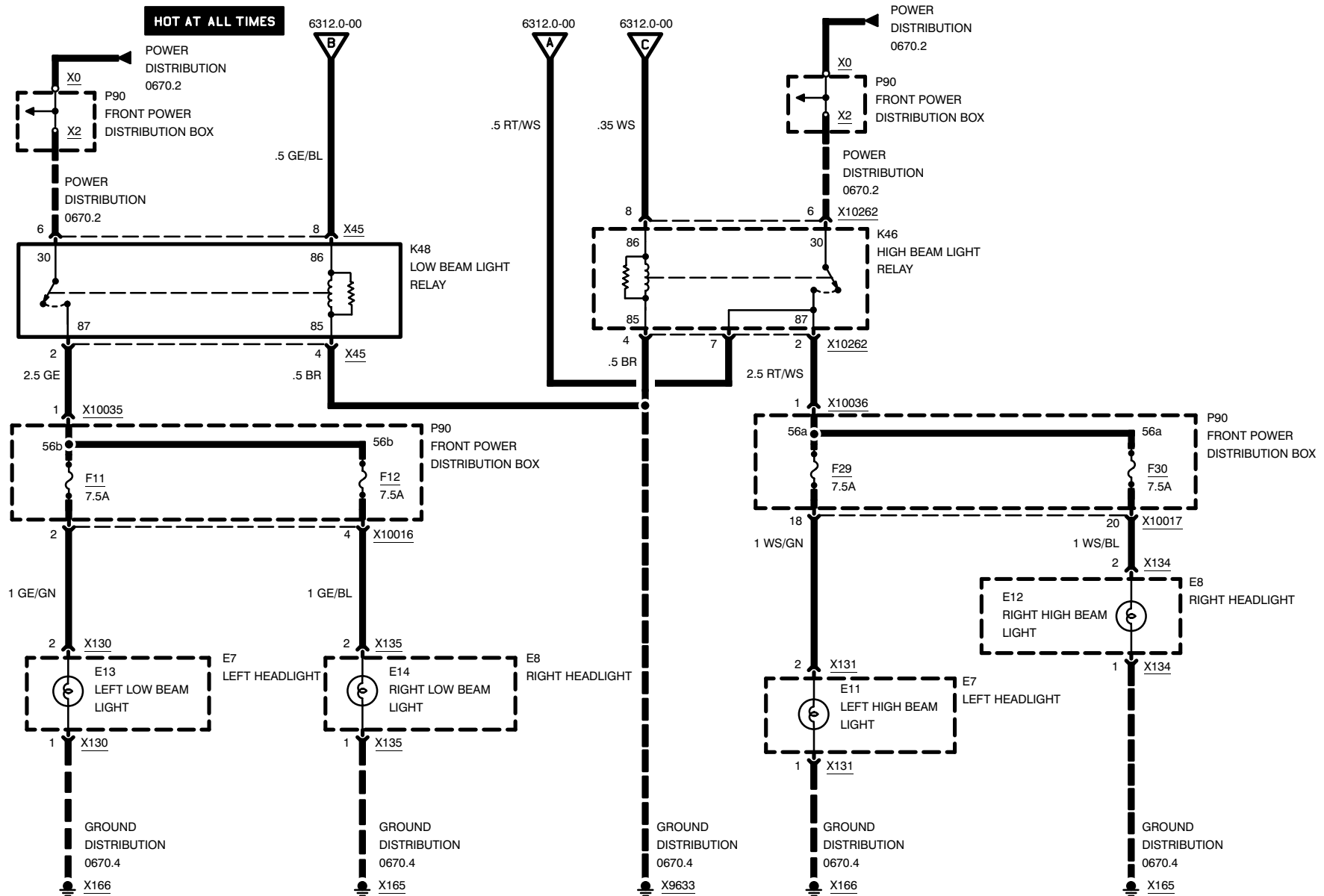
Z3





Z3

# HEADLIGHTS/FOG LIGHTS



03/98

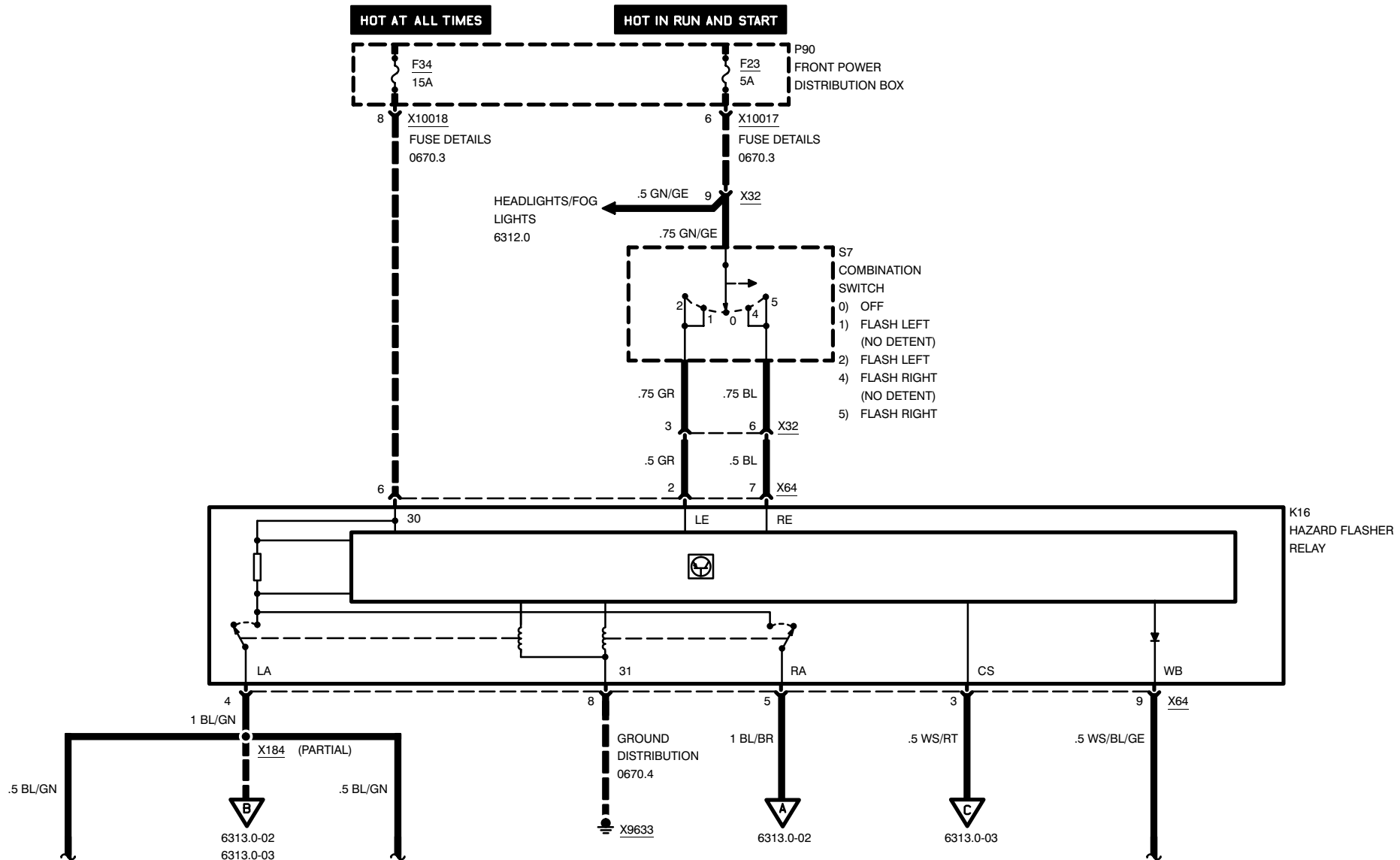
6312.0-01

1997



Z3

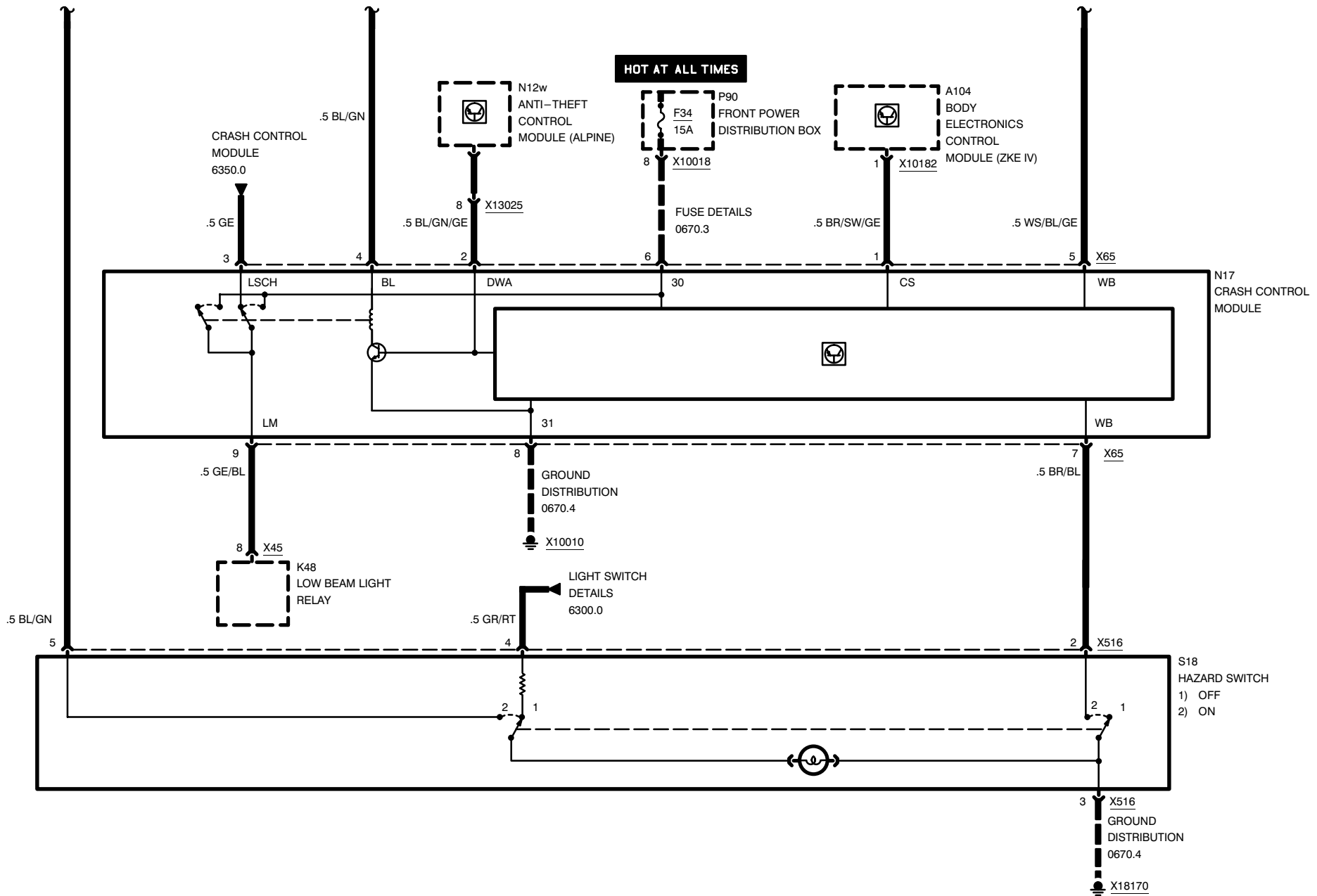
# TURN/HAZARD LIGHTS



03/98

6313.0-00

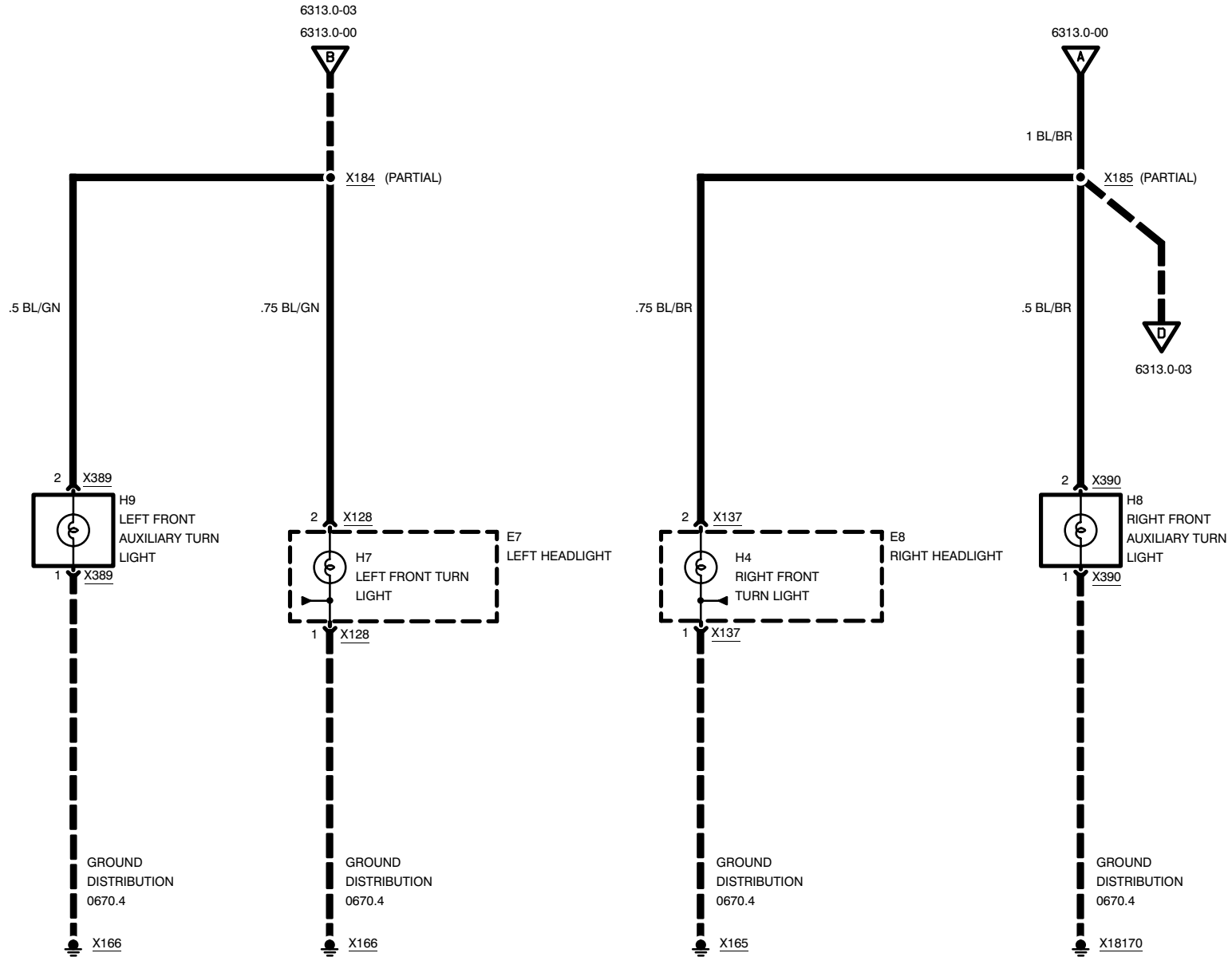
1997





Z3

# TURN/HAZARD LIGHTS



03/98

6313.0-02

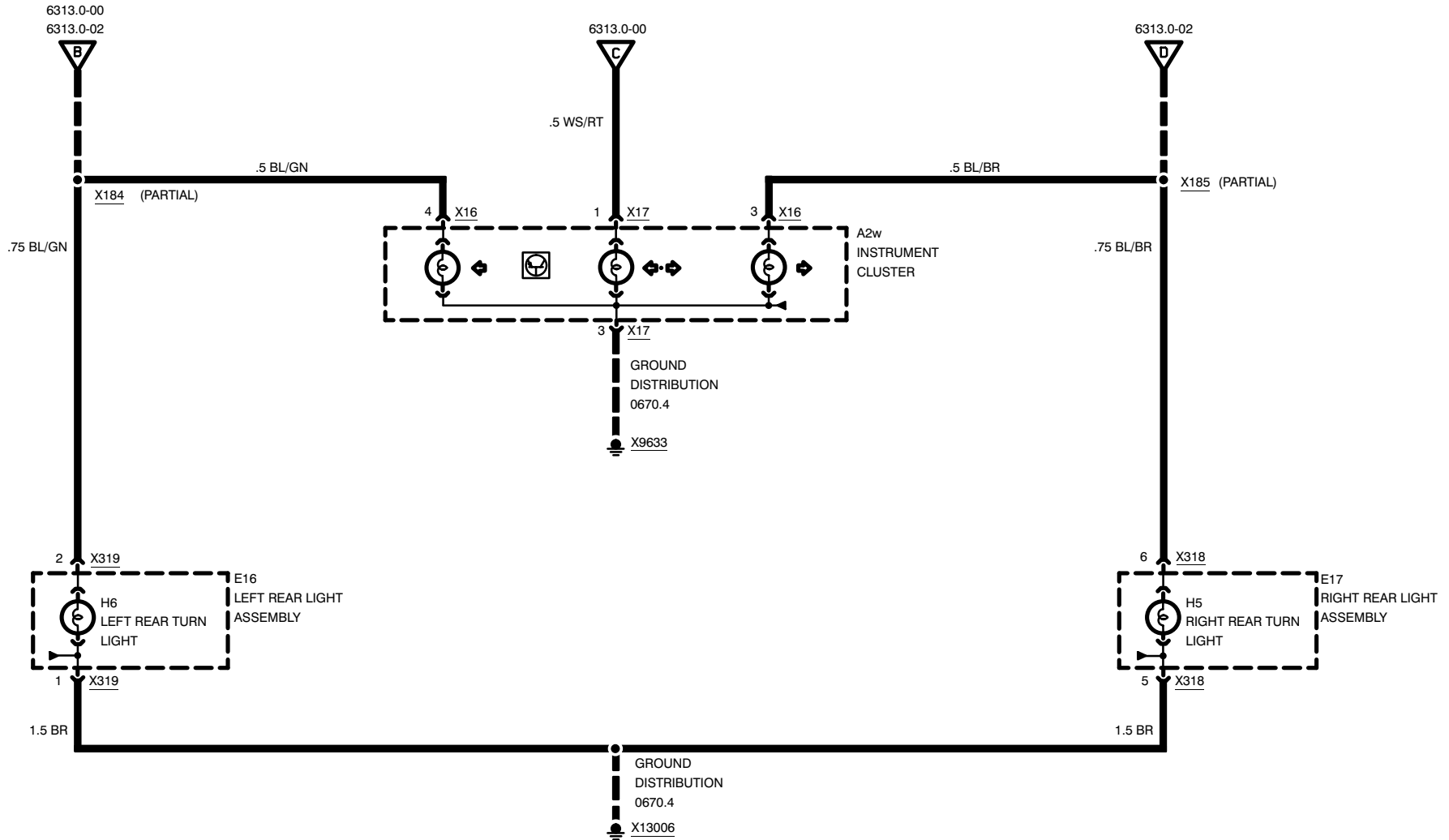
1997





Z3

# TURN/HAZARD LIGHTS



03/98

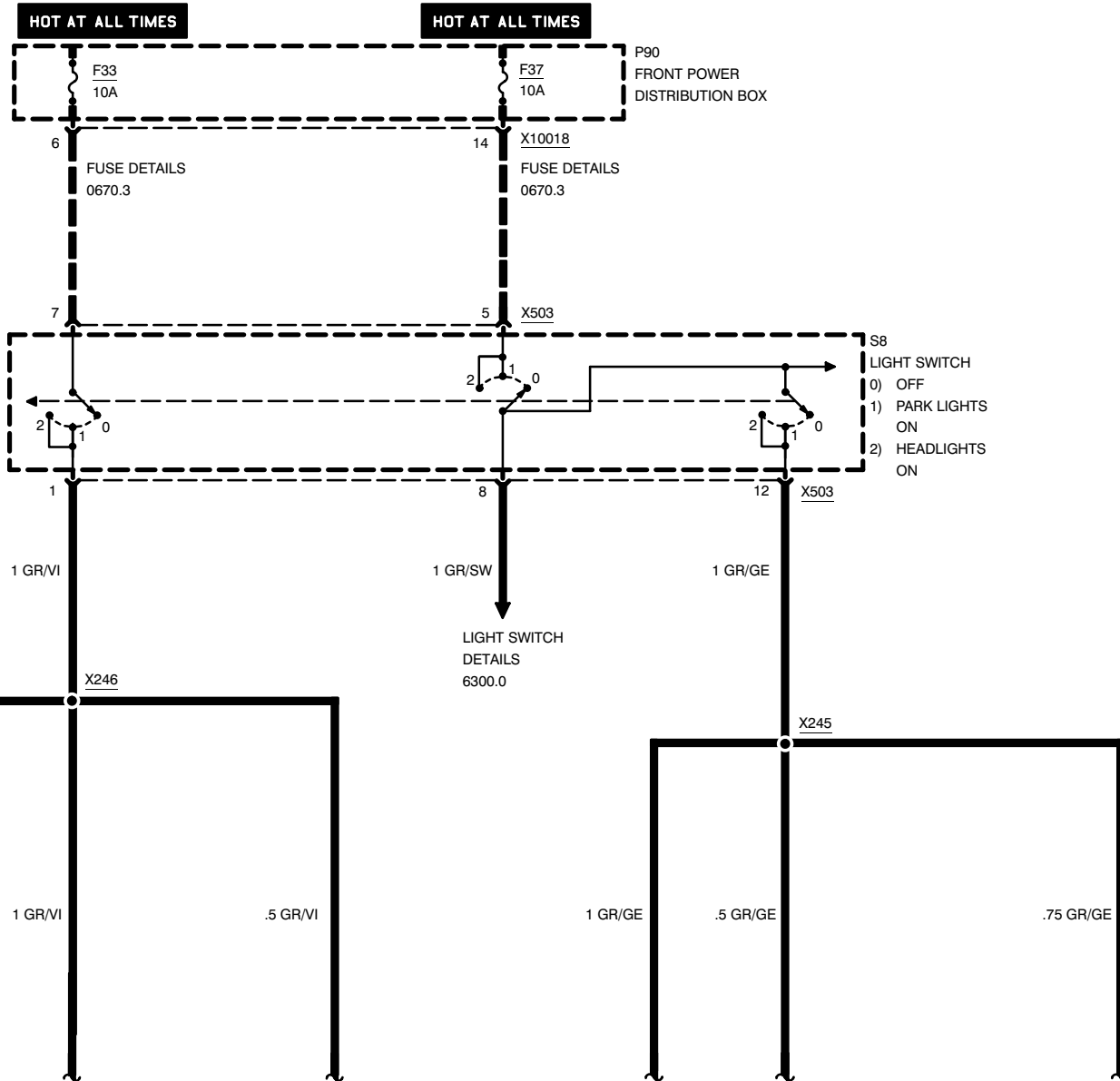
6313.0-03

1997



Z3

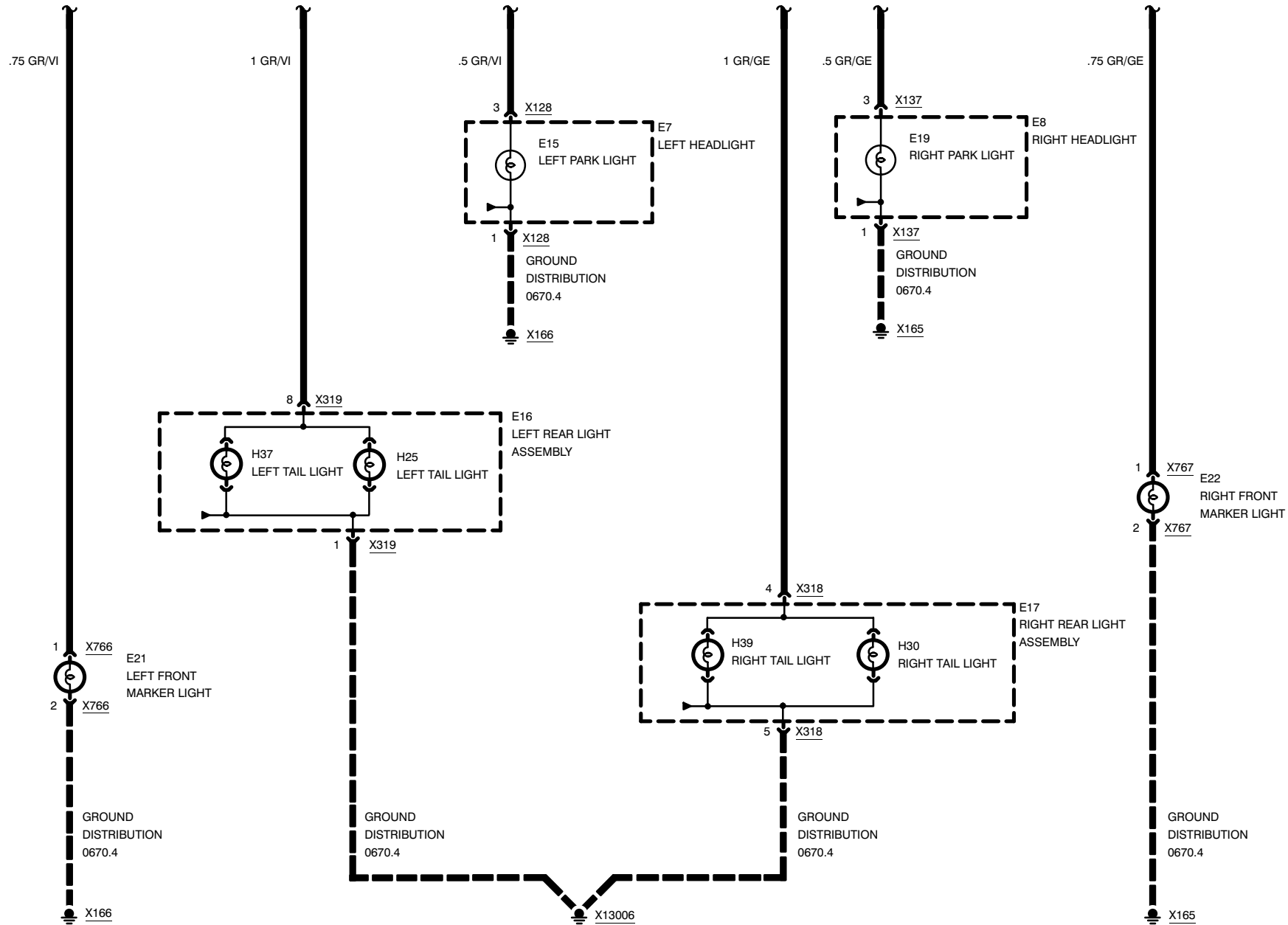
# PARK/TAIL/UNDERHOOD LIGHTS



03/98

6314.0-00

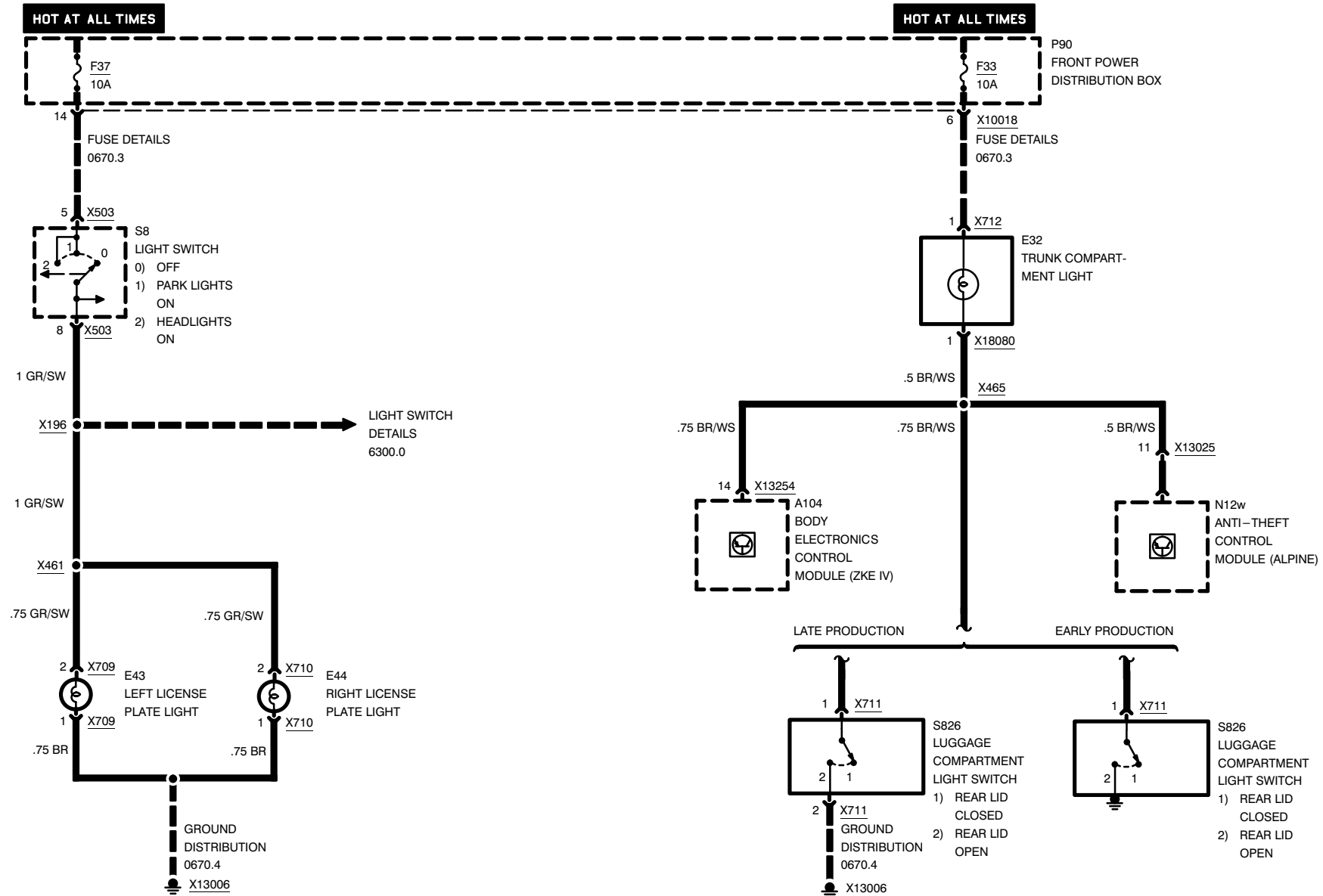
1997





Z3

# LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS



03/98

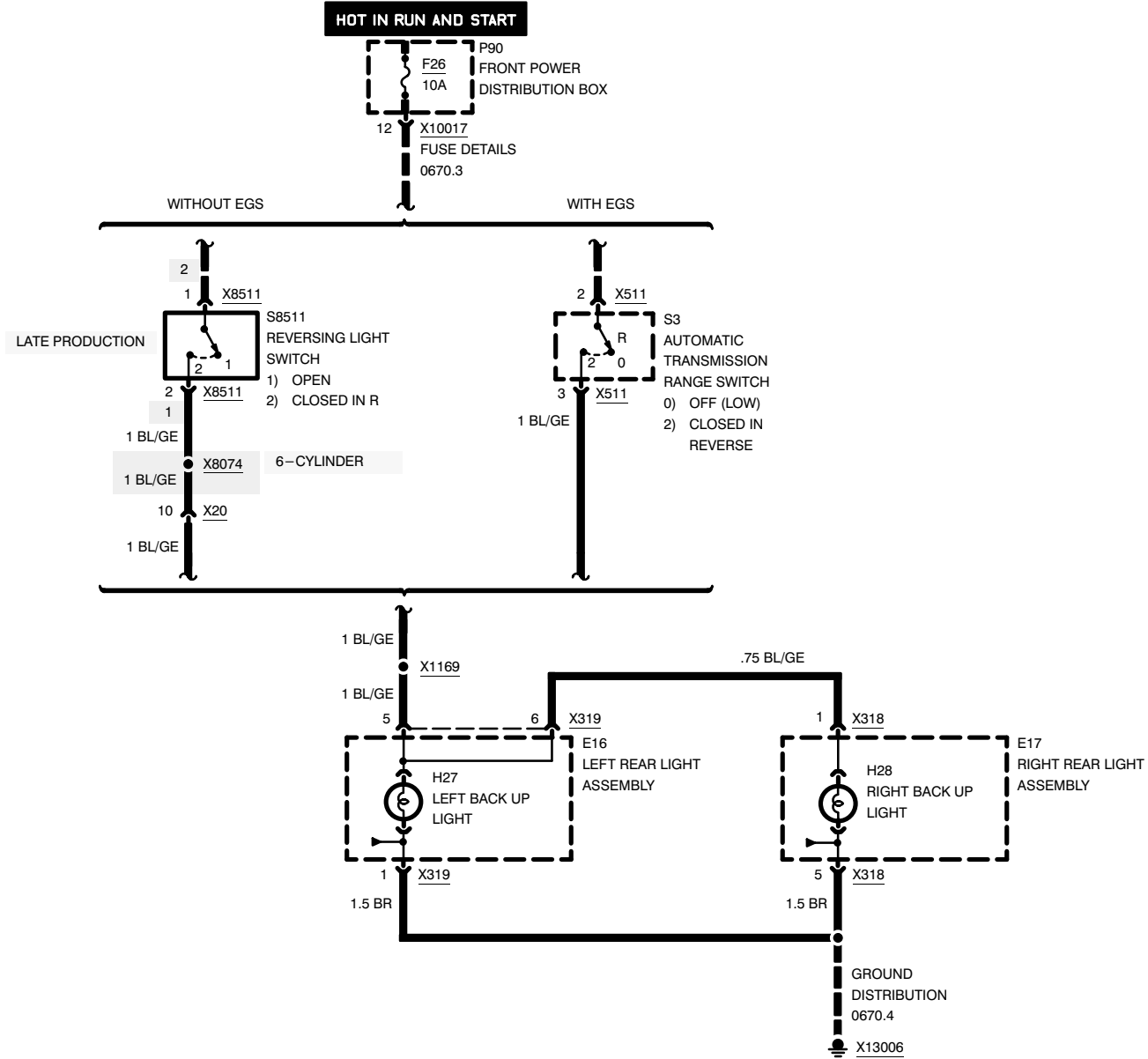
6320.0-00

1997



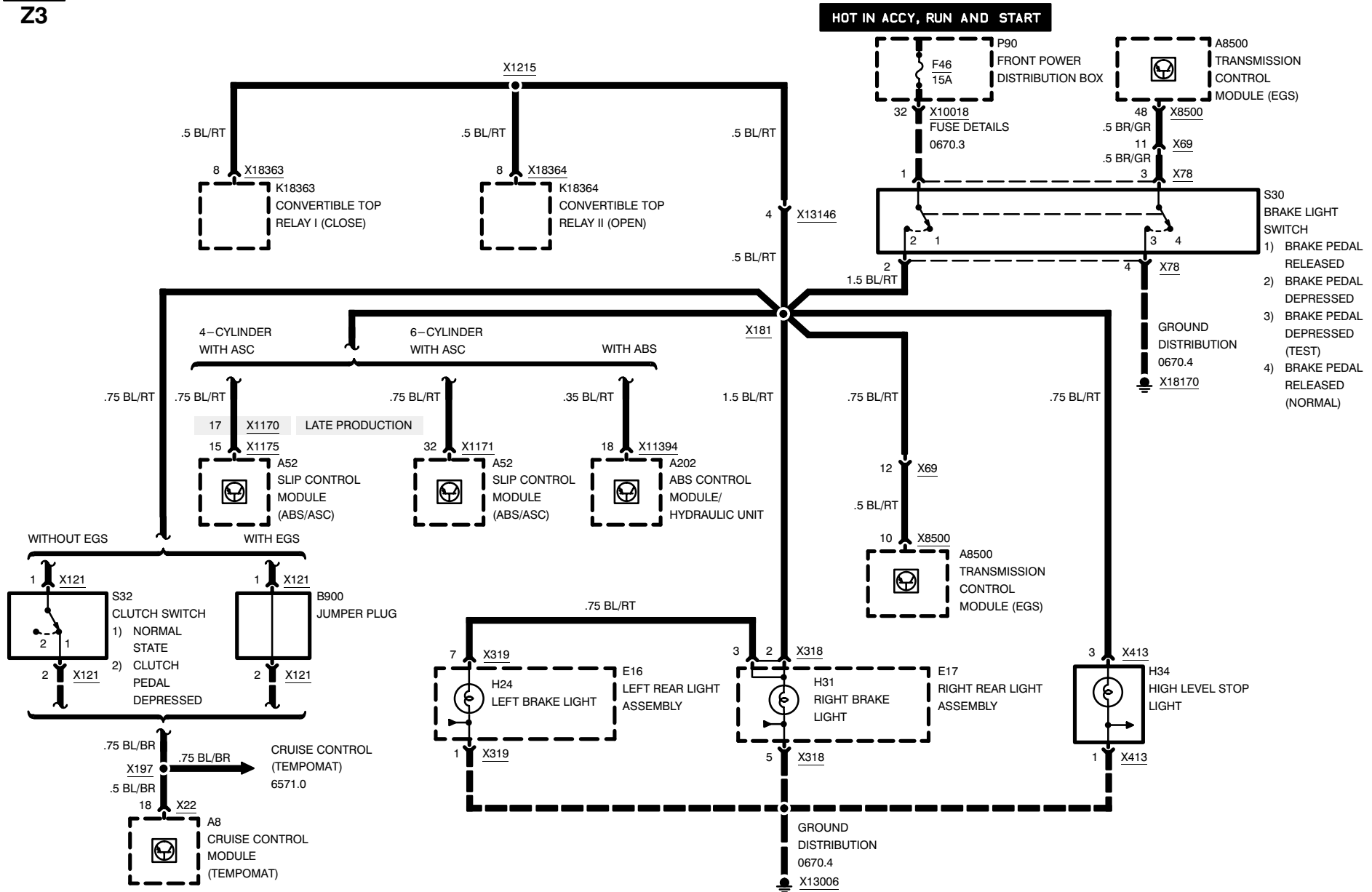
Z3

# BACK UP LIGHTS

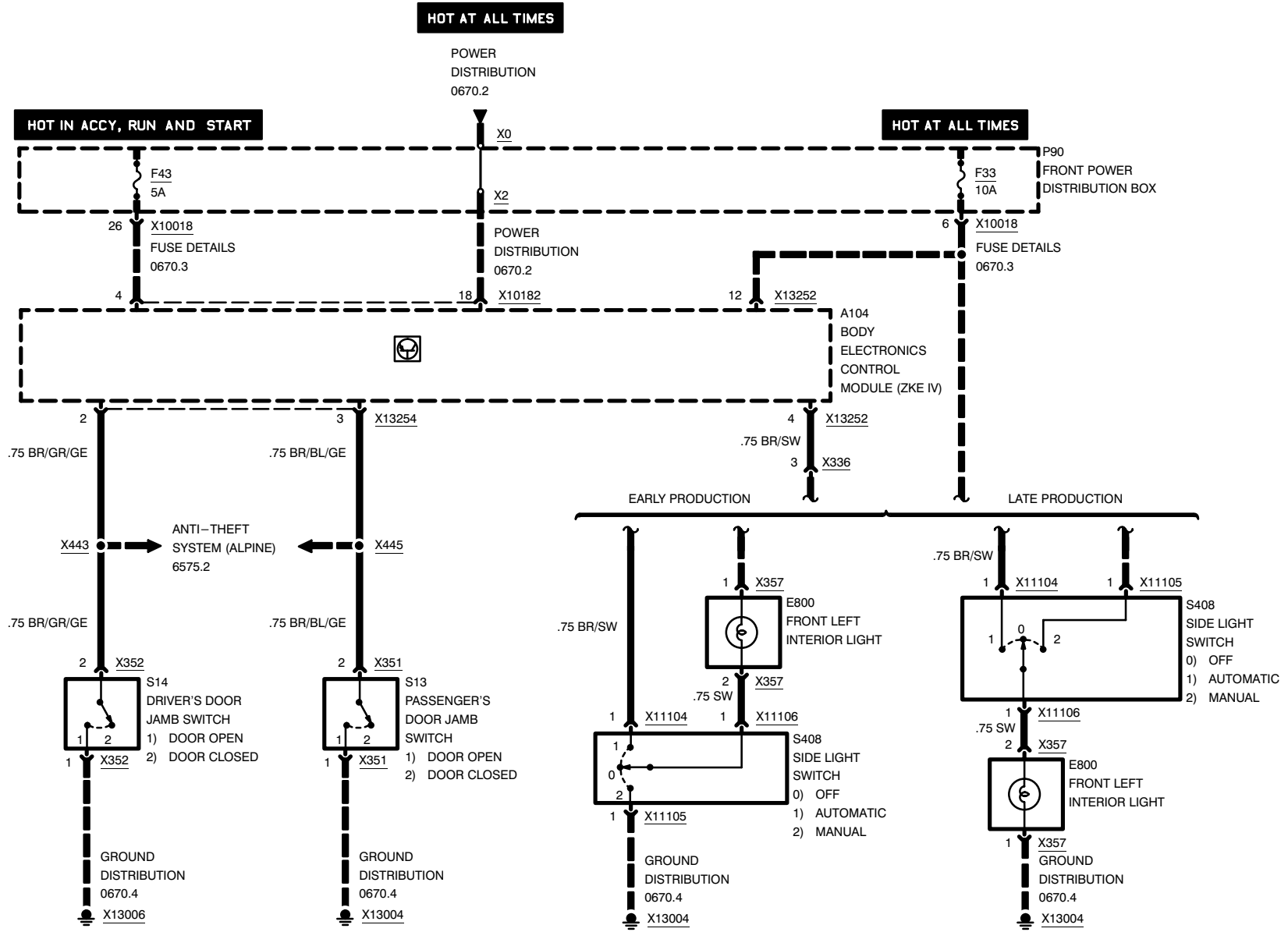


# BRAKE LIGHTS

Z3



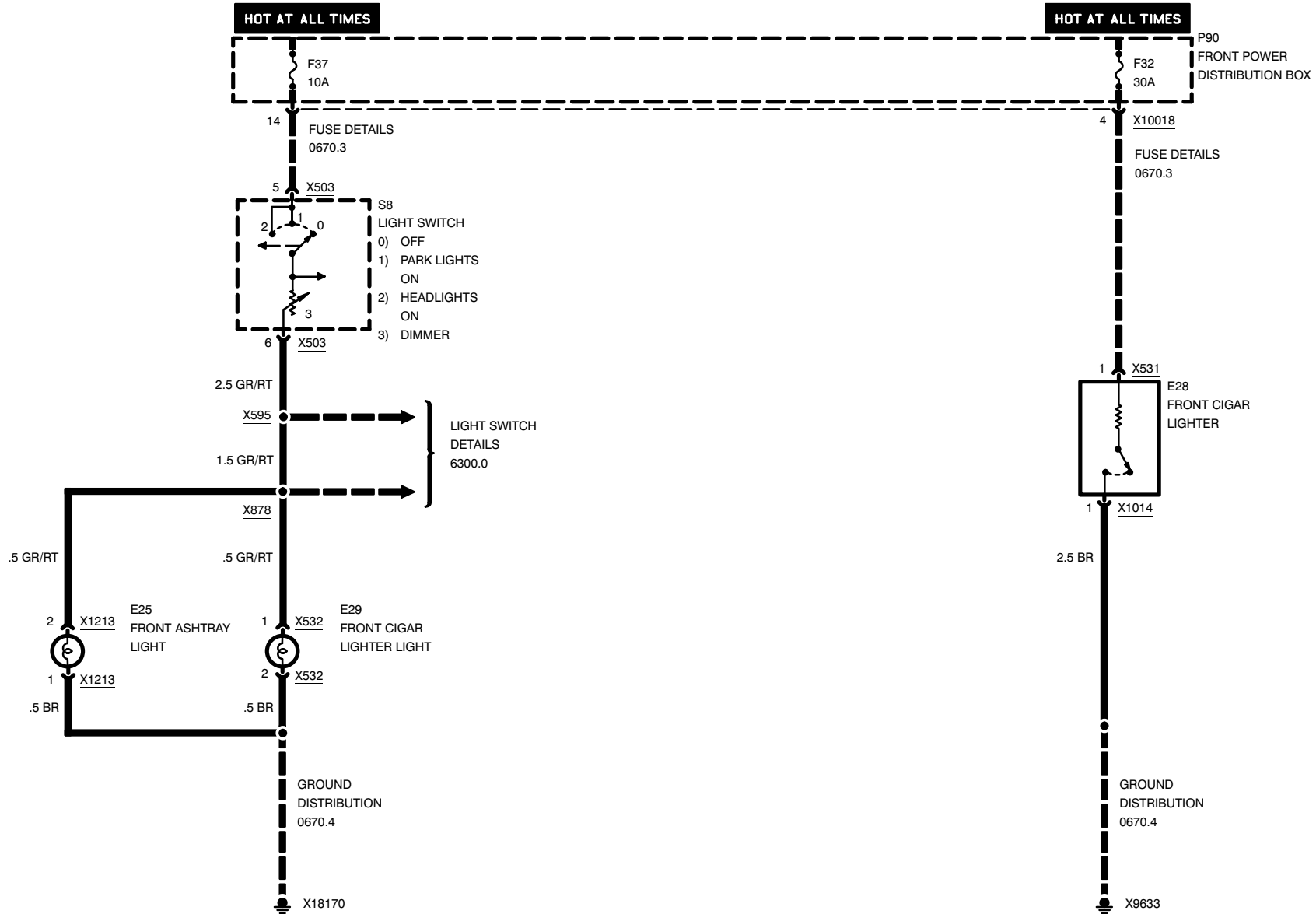
# INTERIOR LIGHTS





Z3

# INTERIOR ACCESSORIES



03/98

6332.0-00

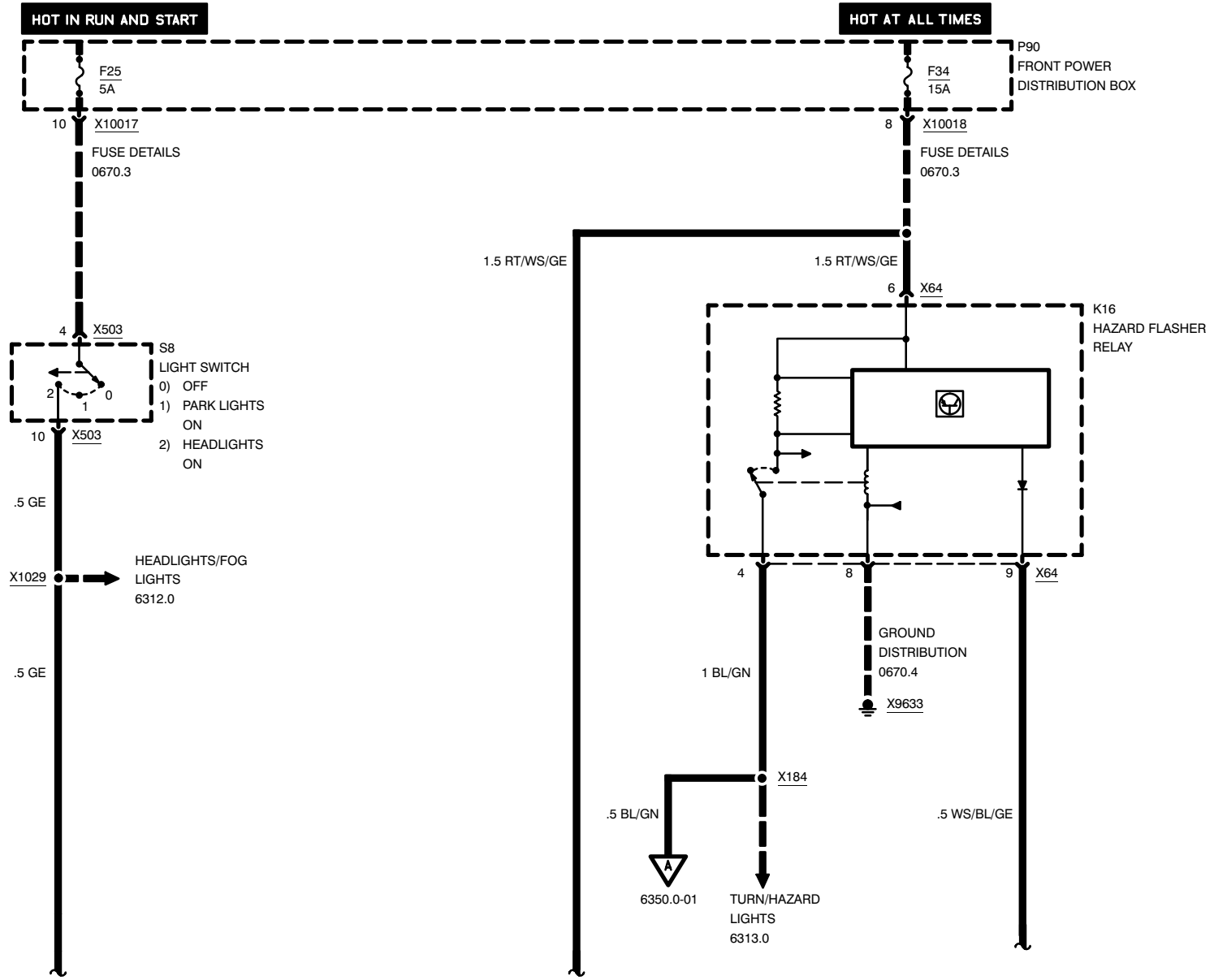
1997





Z3

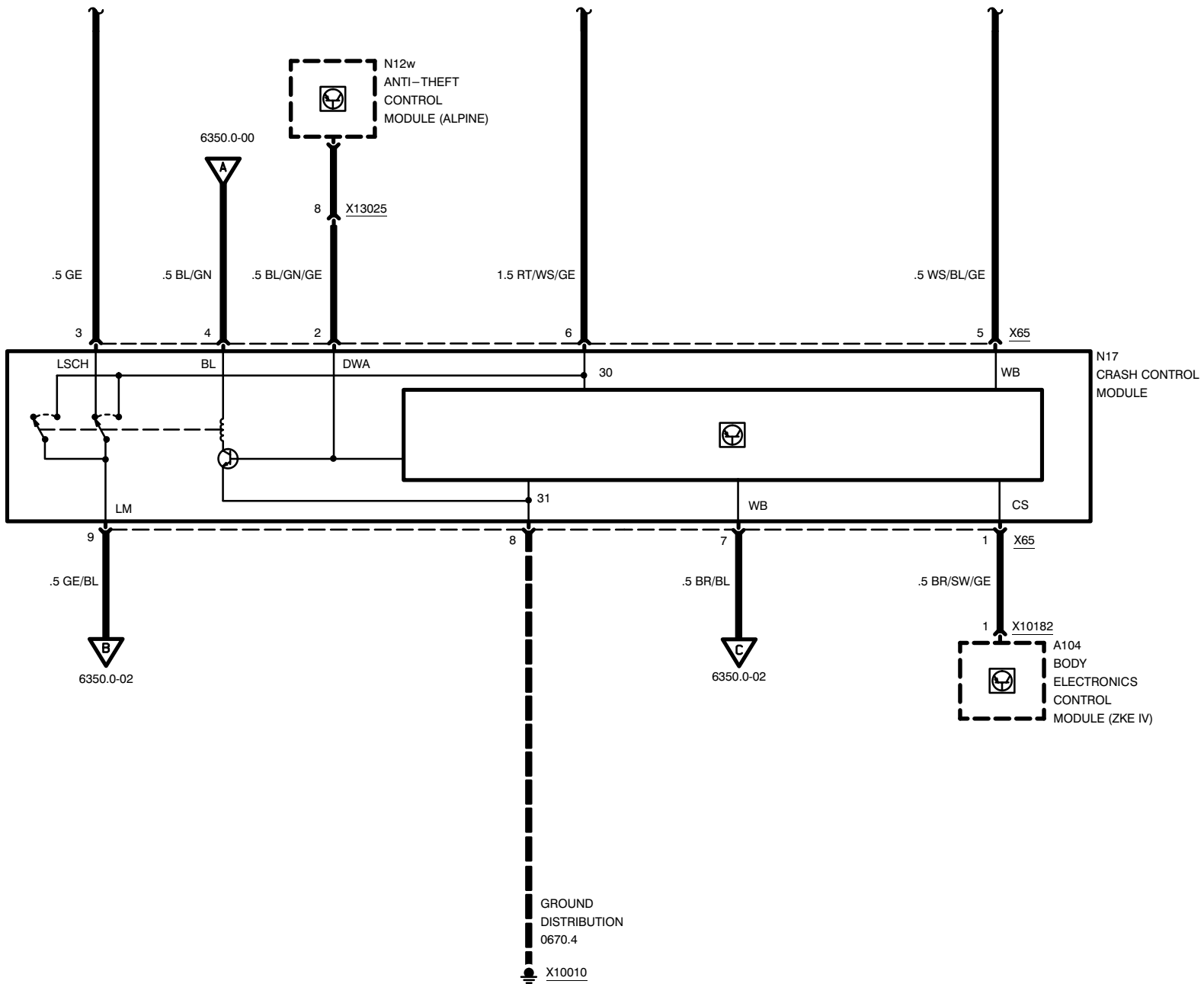
# CRASH CONTROL MODULE



03/98

6350.0-00

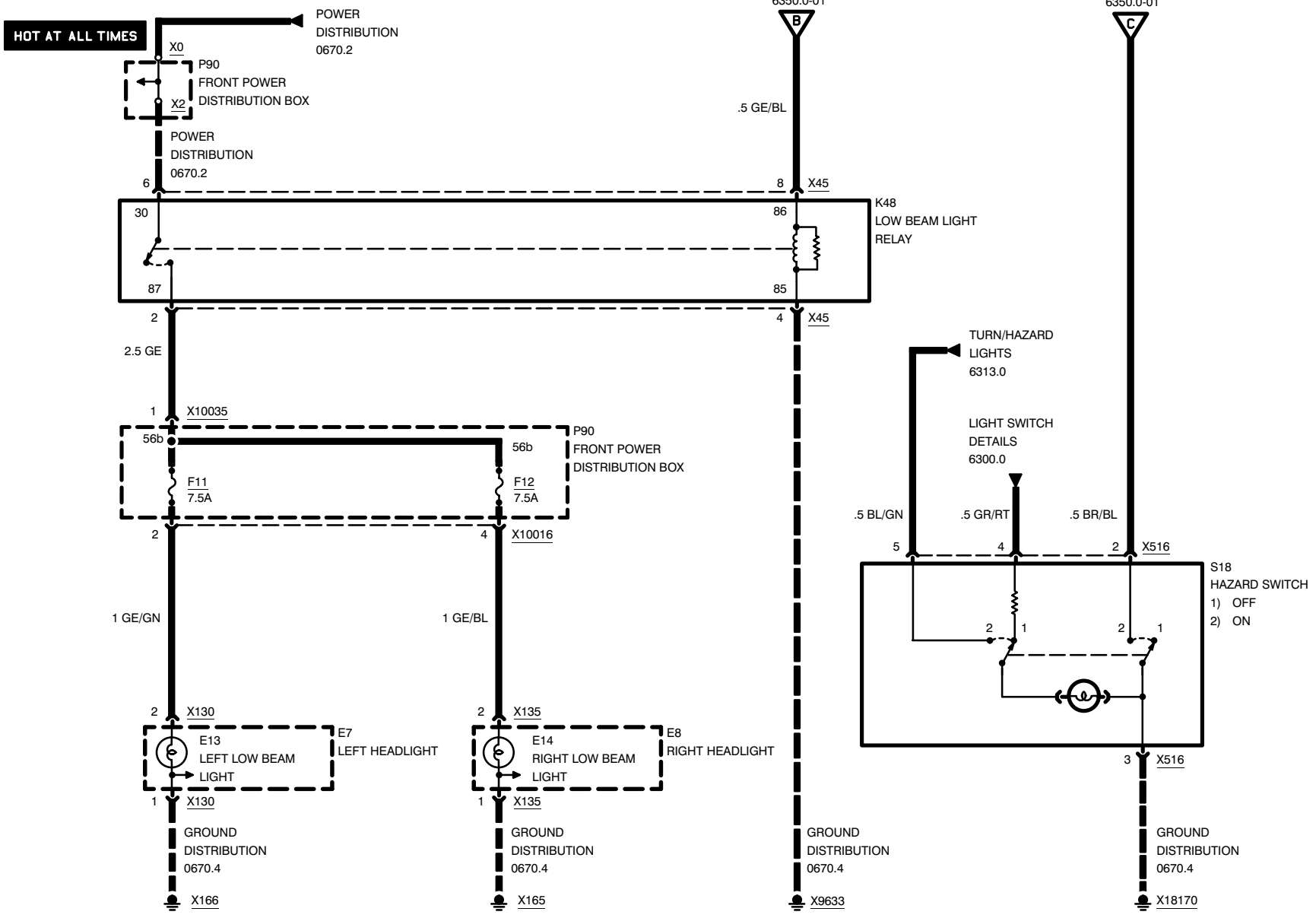
1997





Z3

# CRASH CONTROL MODULE



03/98

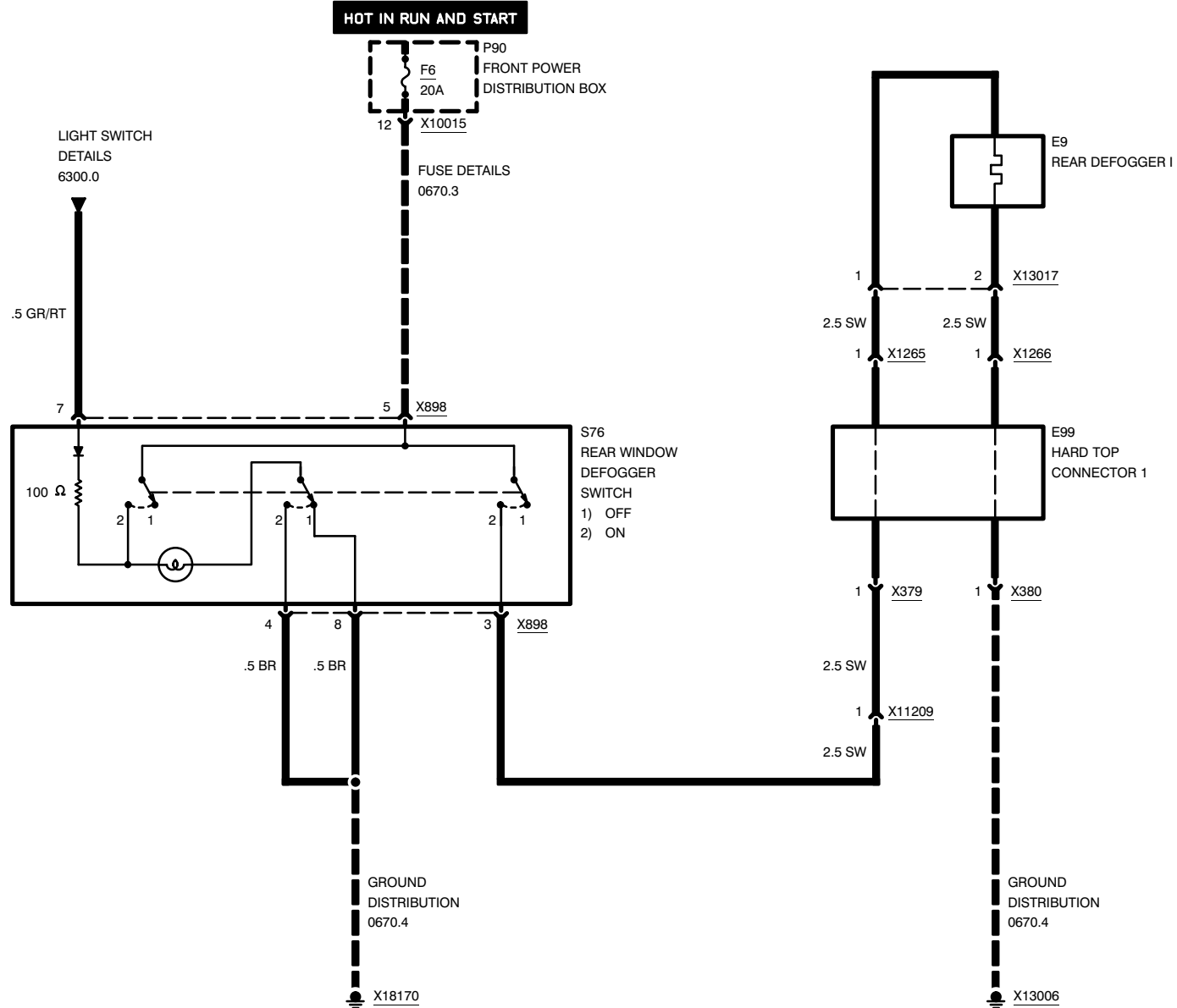
6350.0-02

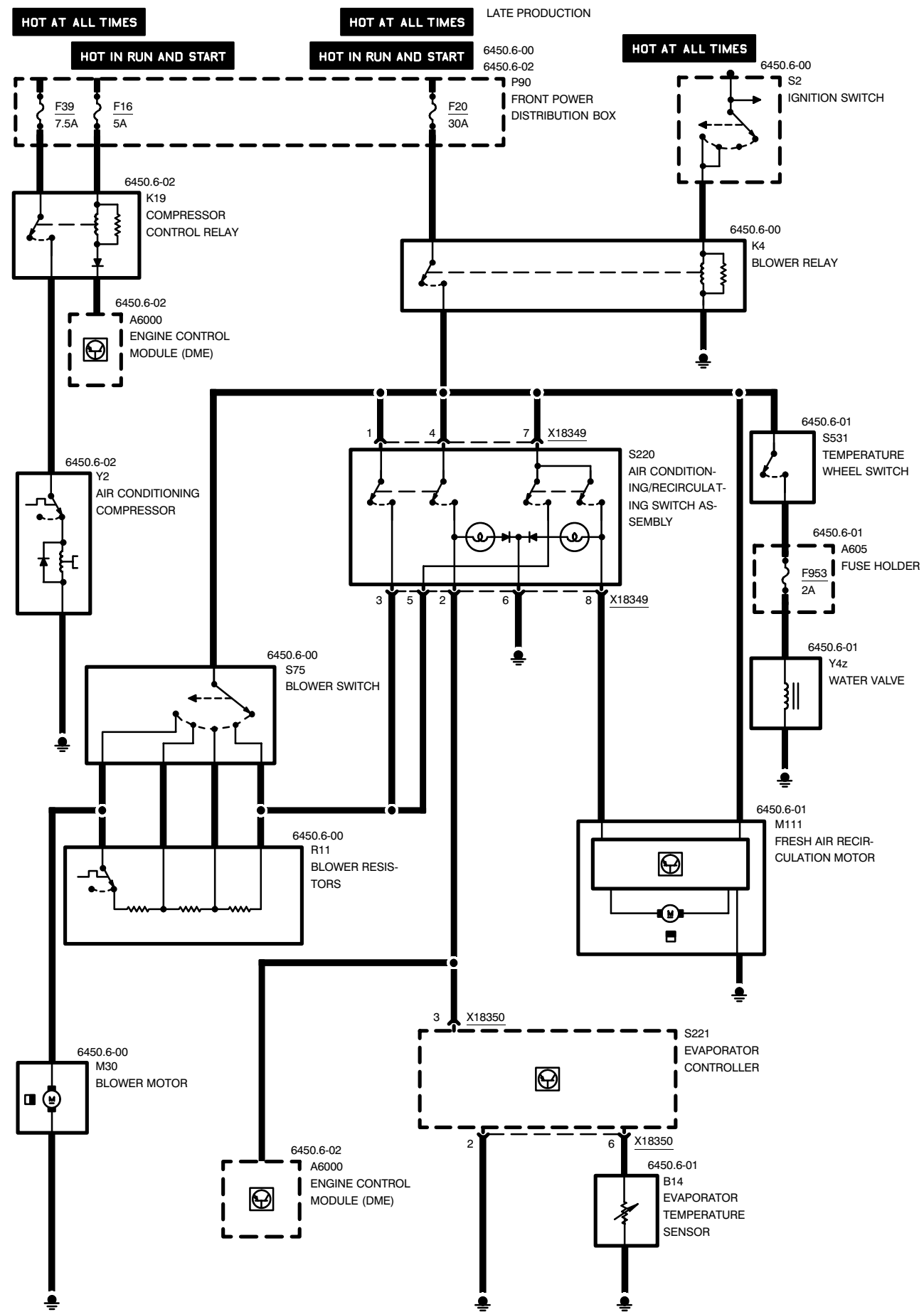
1997



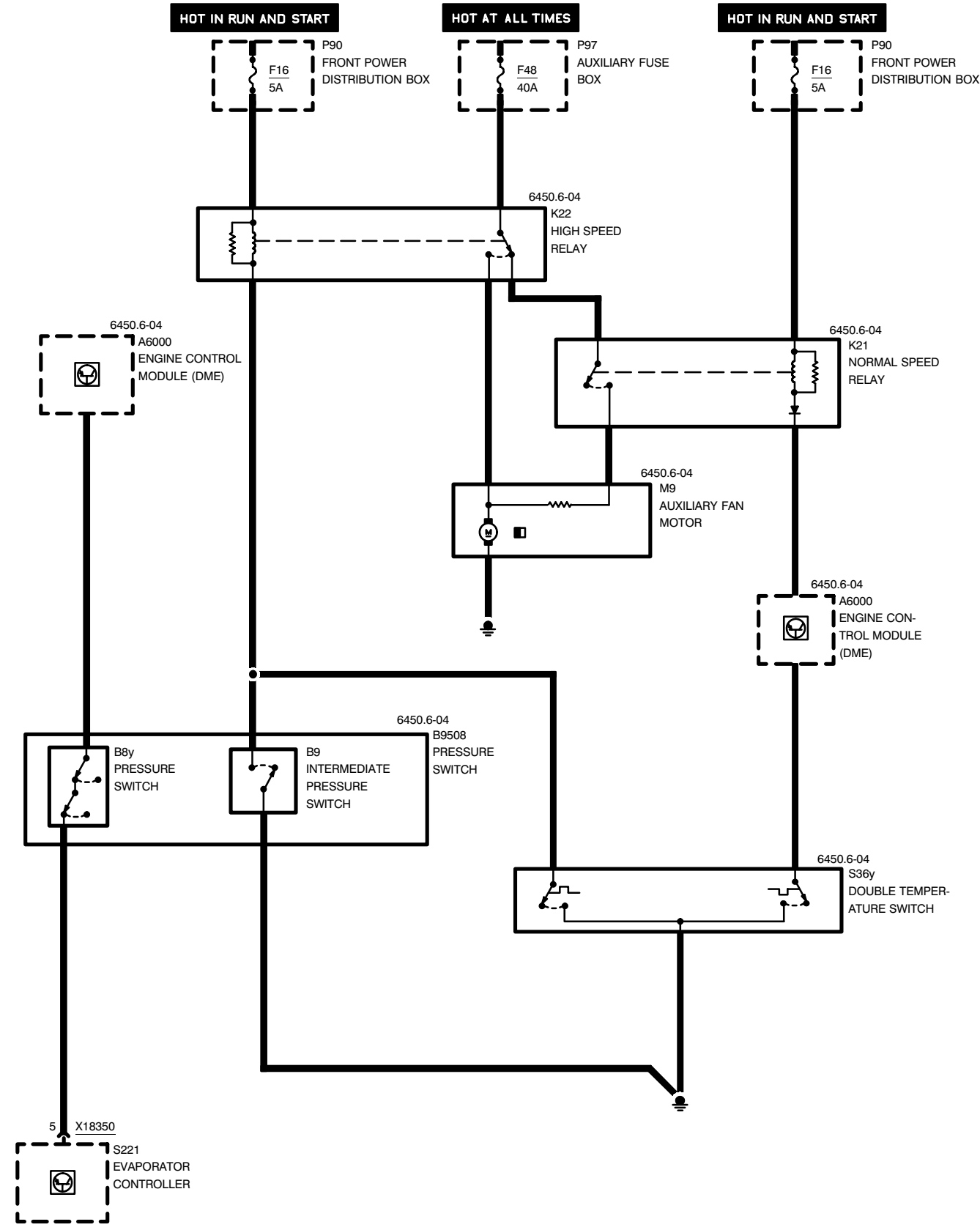
Z3

# REAR WINDOW DEFOGGER

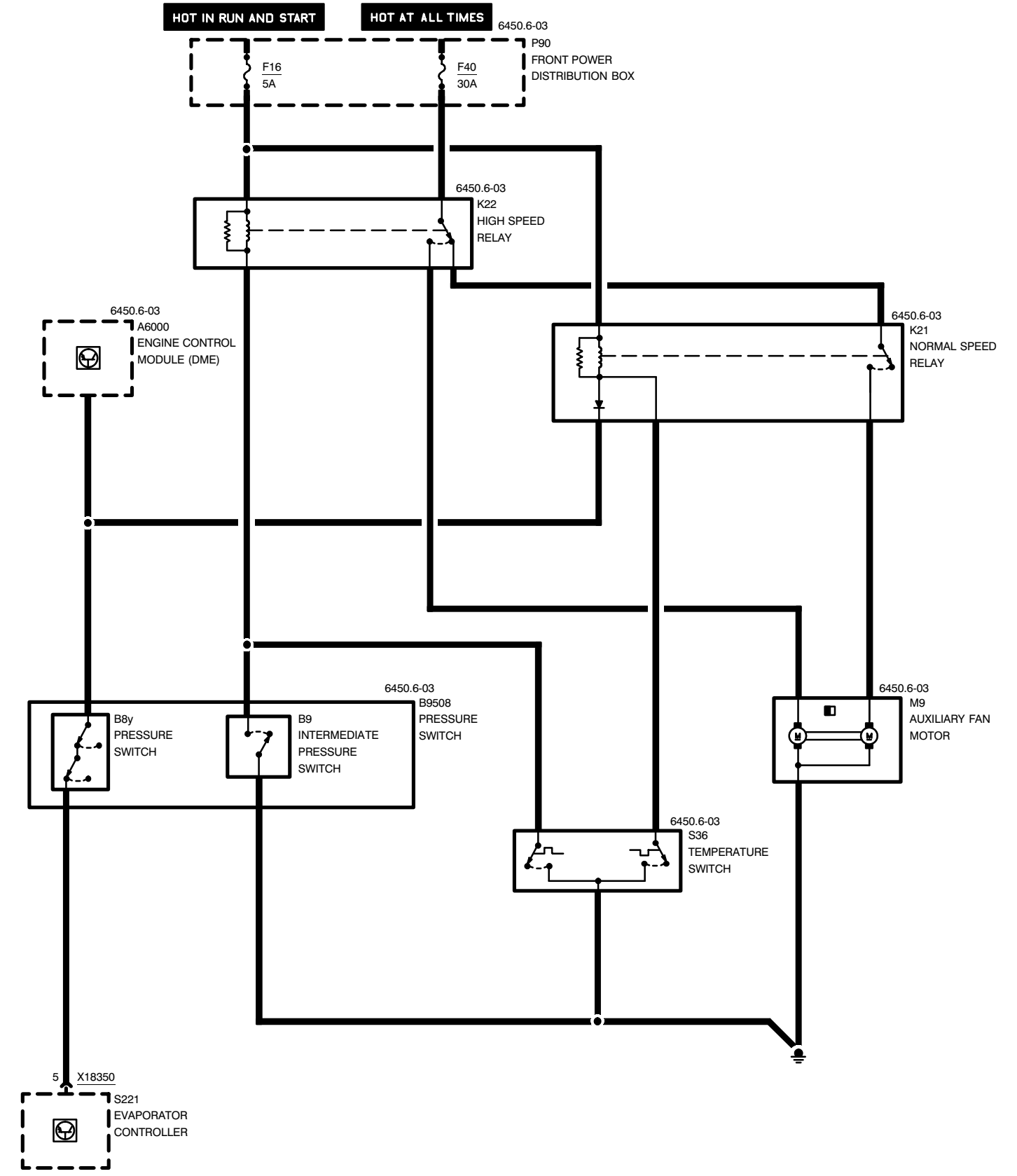


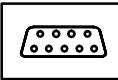


AUXILIARY FAN - 4-CYLINDER



AUXILIARY FAN - 6-CYLINDER





## Pin Assignments

---

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	Engine control module (DME)
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

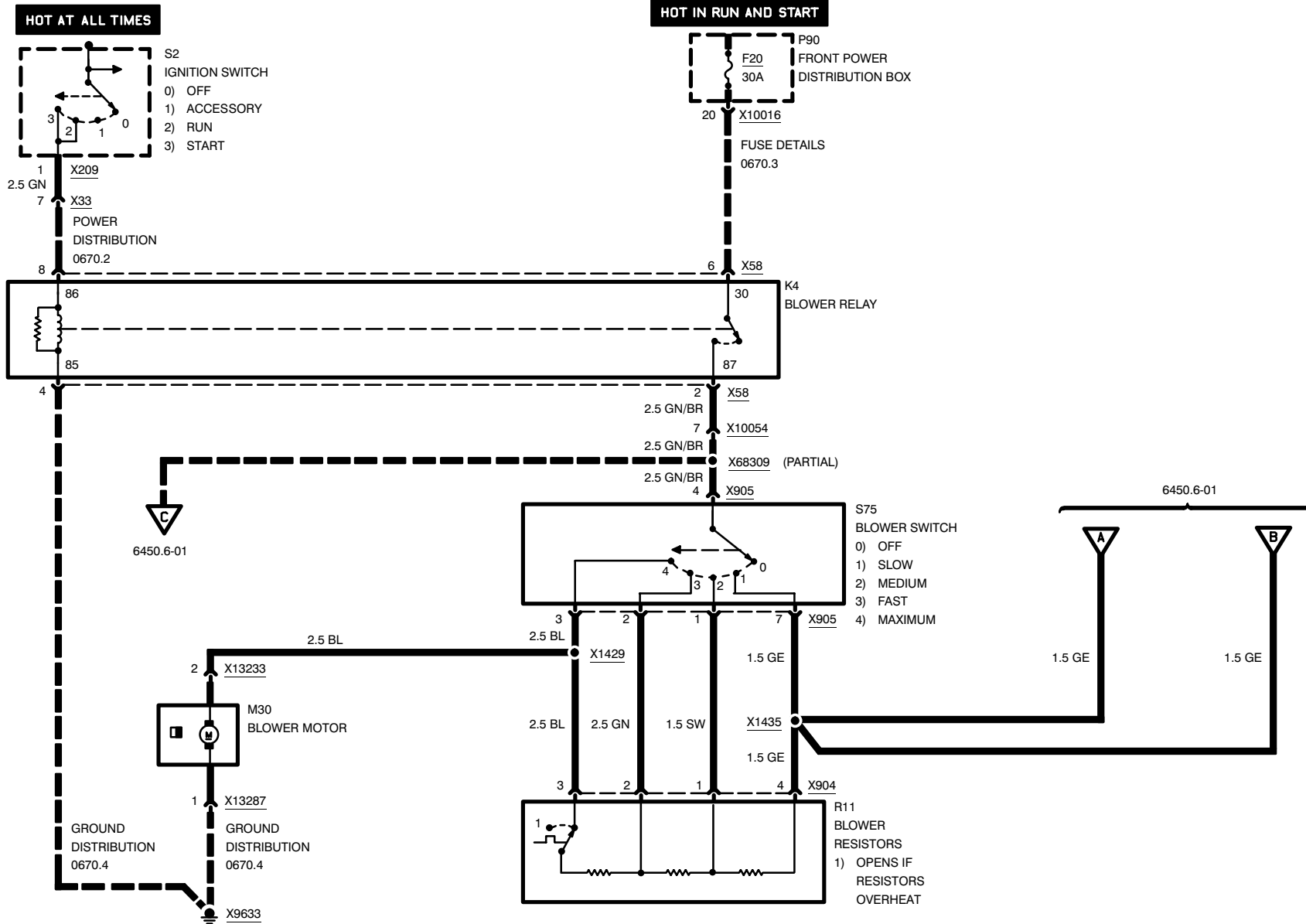
E = Input, A = Output, M = Ground



Z3

# INTEGRATED HEATING – AND CLIMATE CONTROL

## POWER, AIR FLOW CONTROL

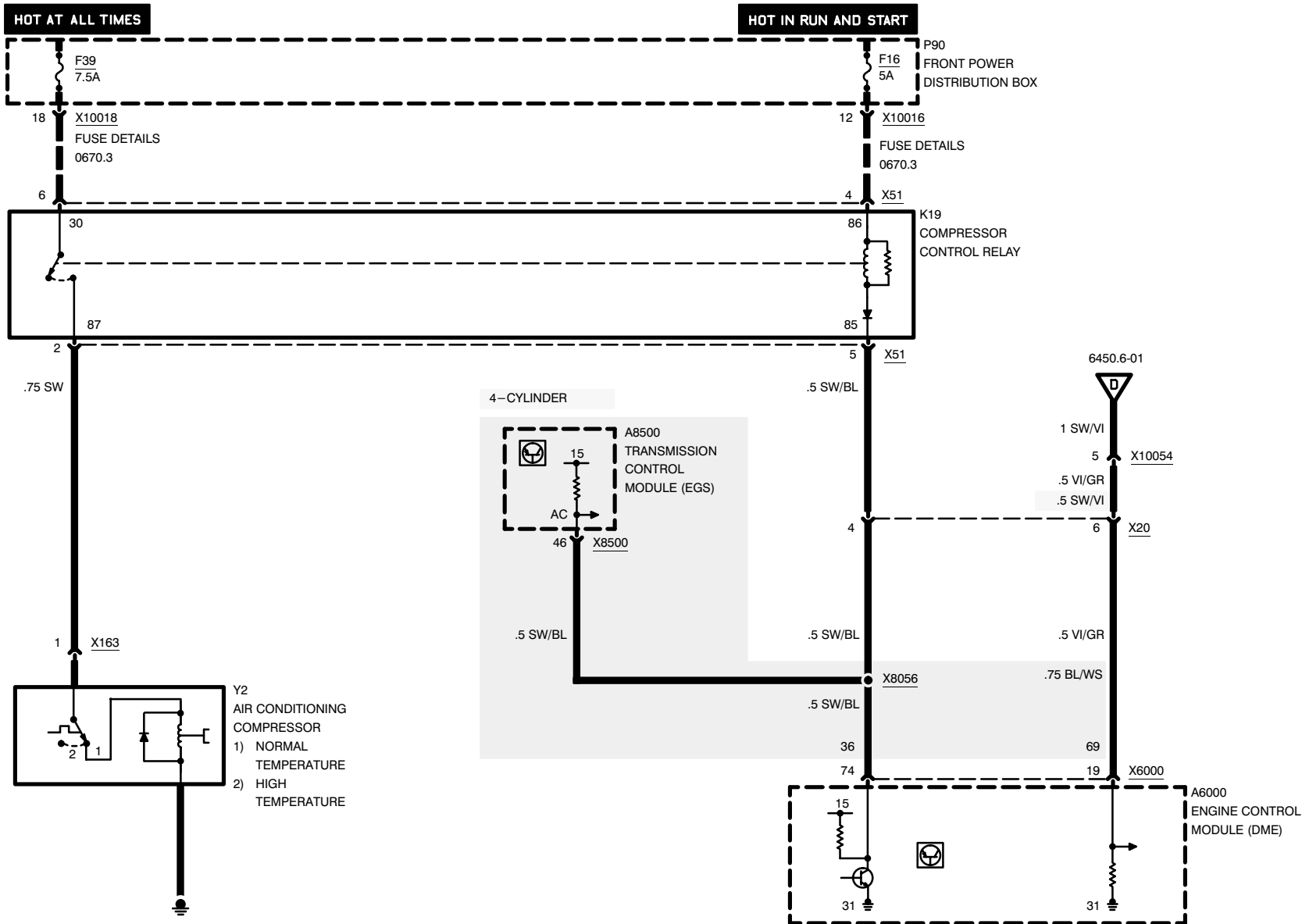




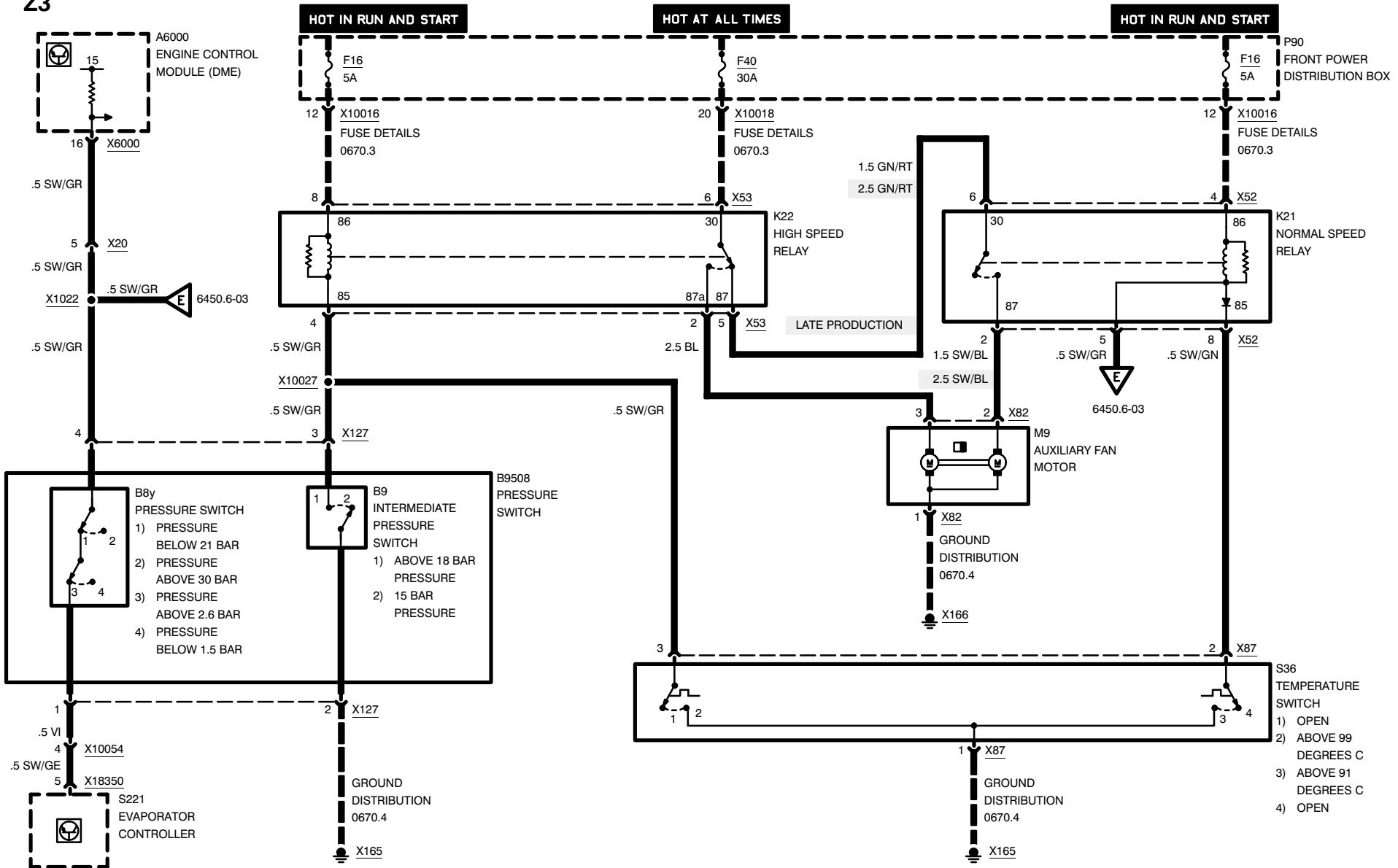


# INTEGRATED HEATING – AND CLIMATE CONTROL

## COMPRESSOR CONTROLS



### AUXILIARY FAN

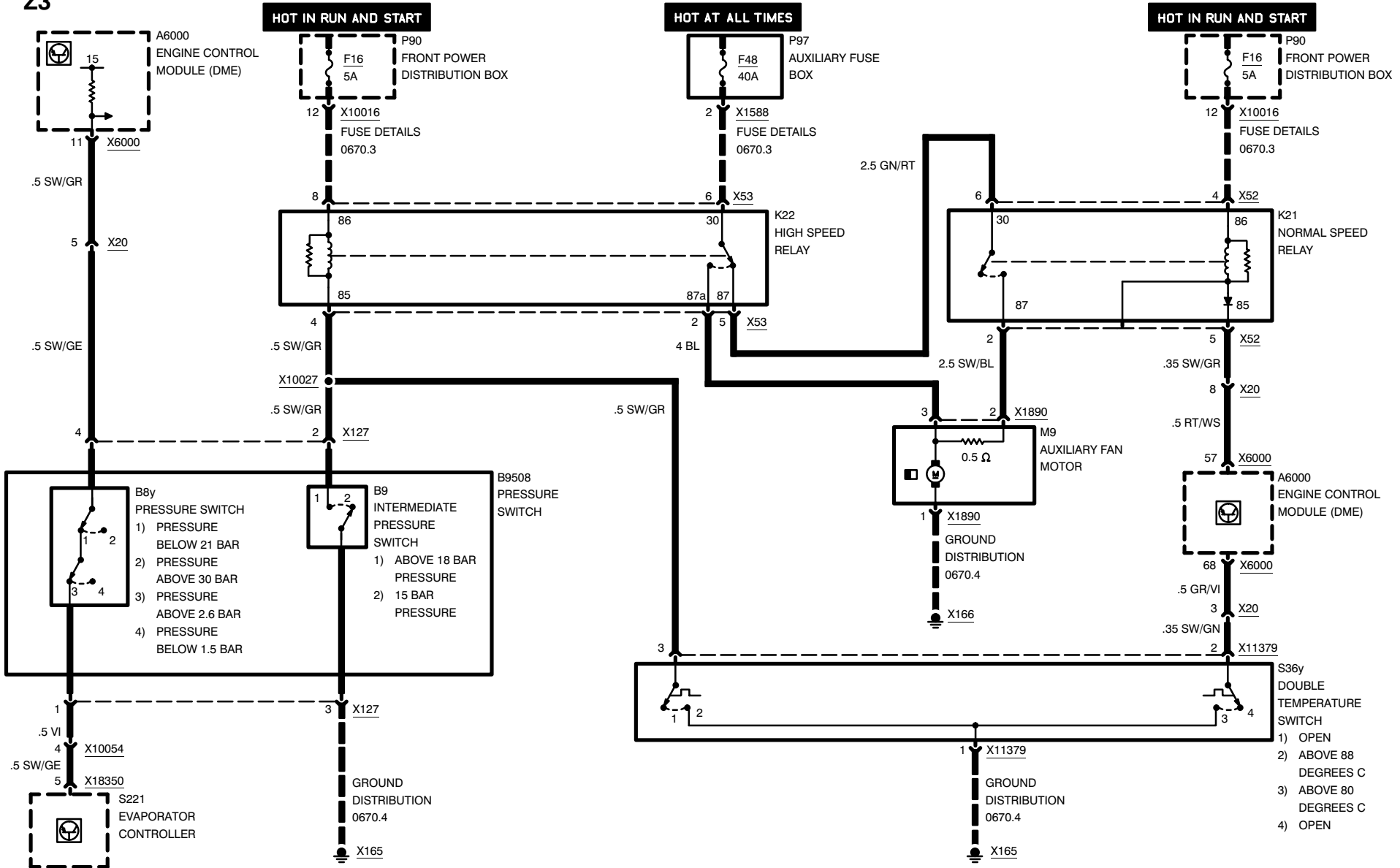




# INTEGRATED HEATING – AND CLIMATE CONTROL

4 – CYLINDER

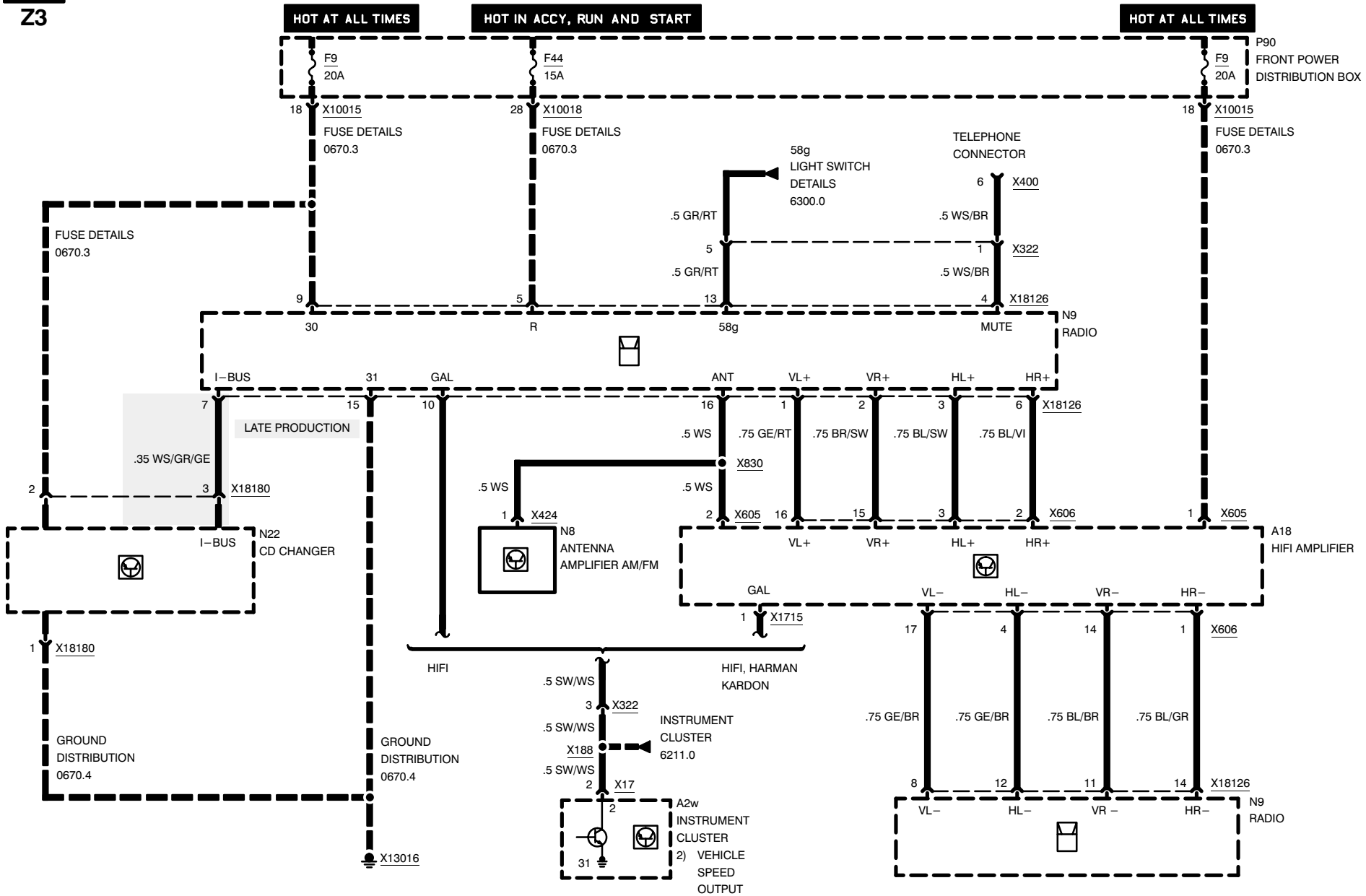
## AUXILIARY FAN





# RADIO/HIFI

Z3



03/98

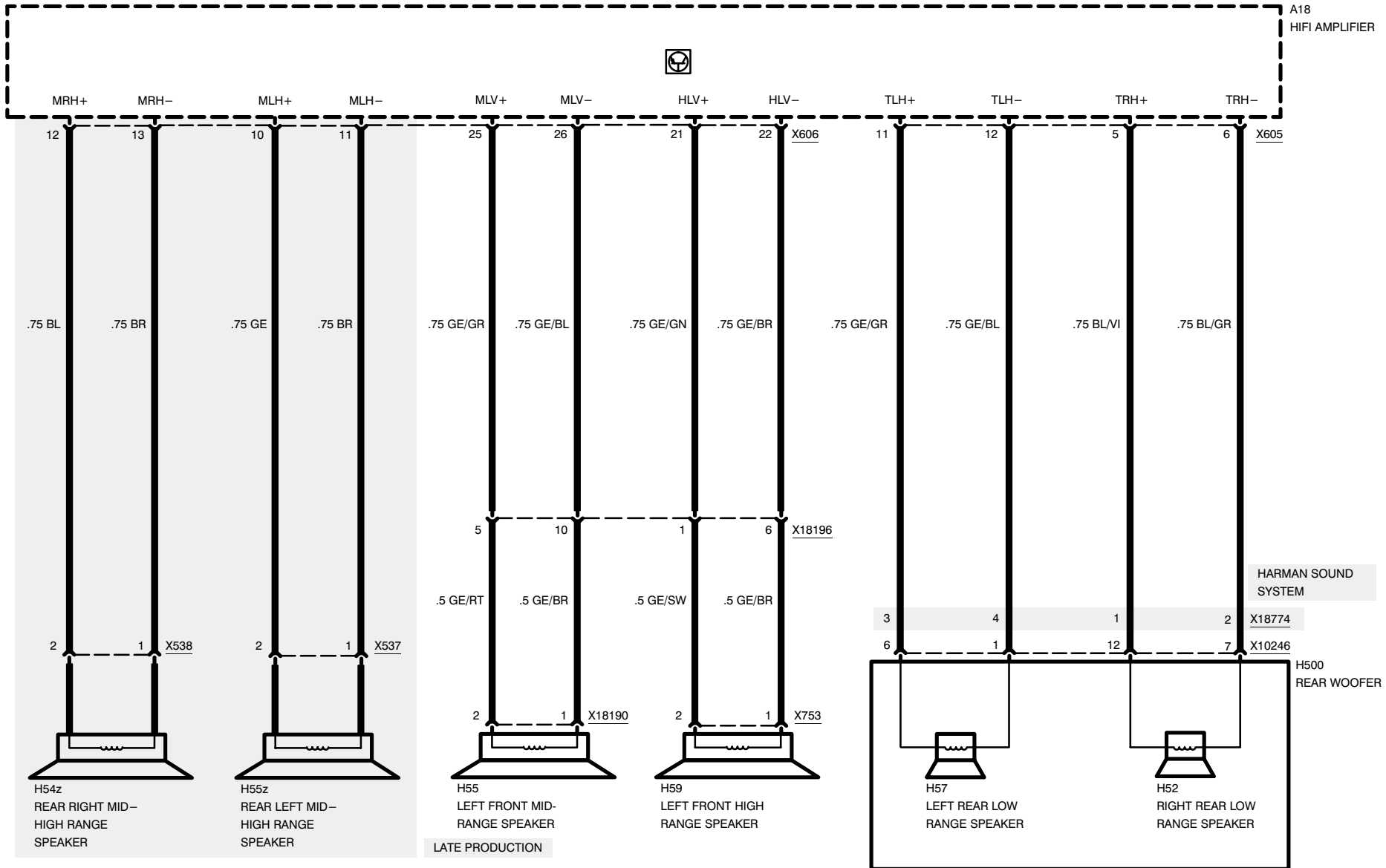
6510.1-00

1997



# RADIO/HIFI

Z3



03/98

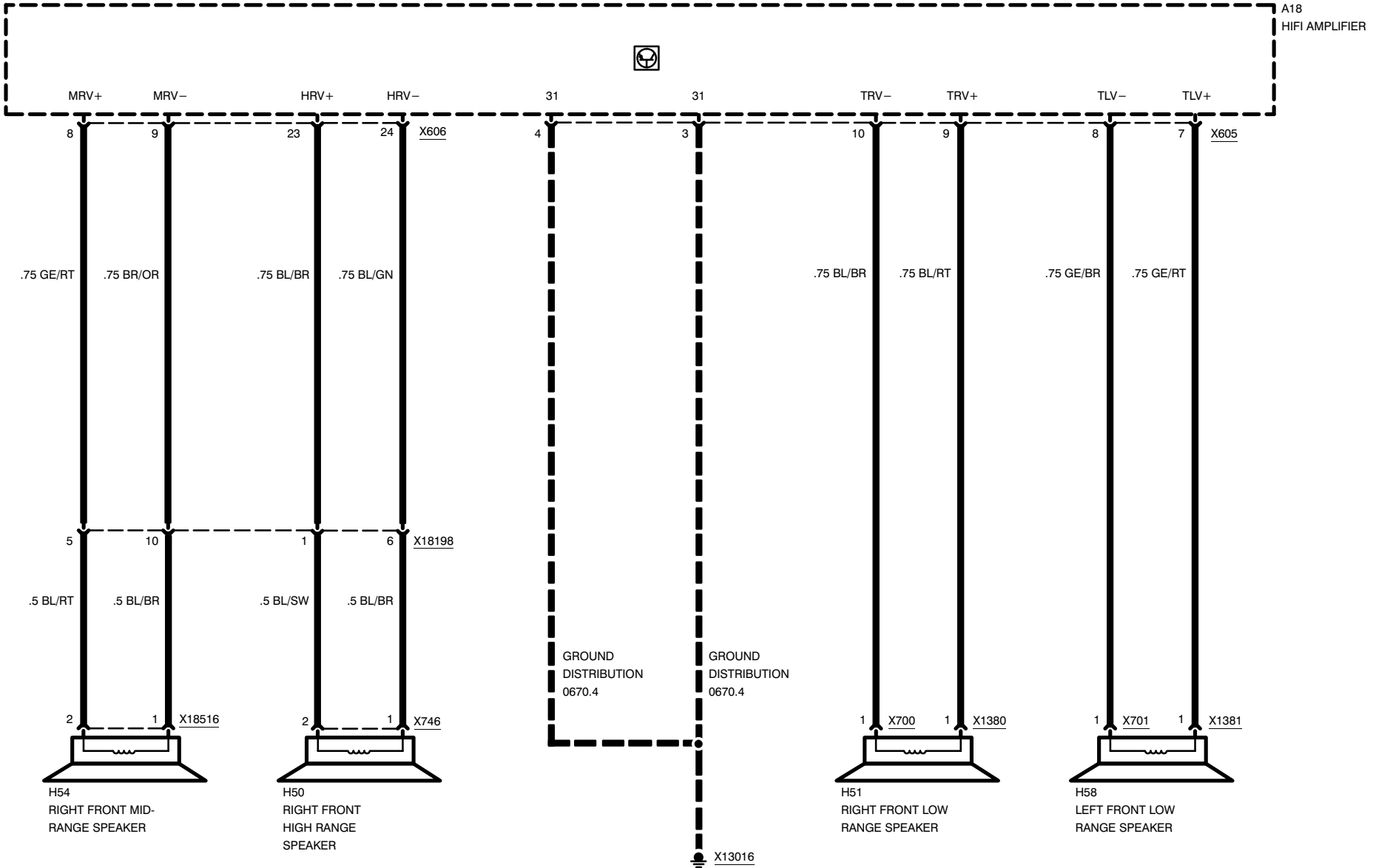
6510.1-01

1997



# RADIO/HIFI

Z3



03/98

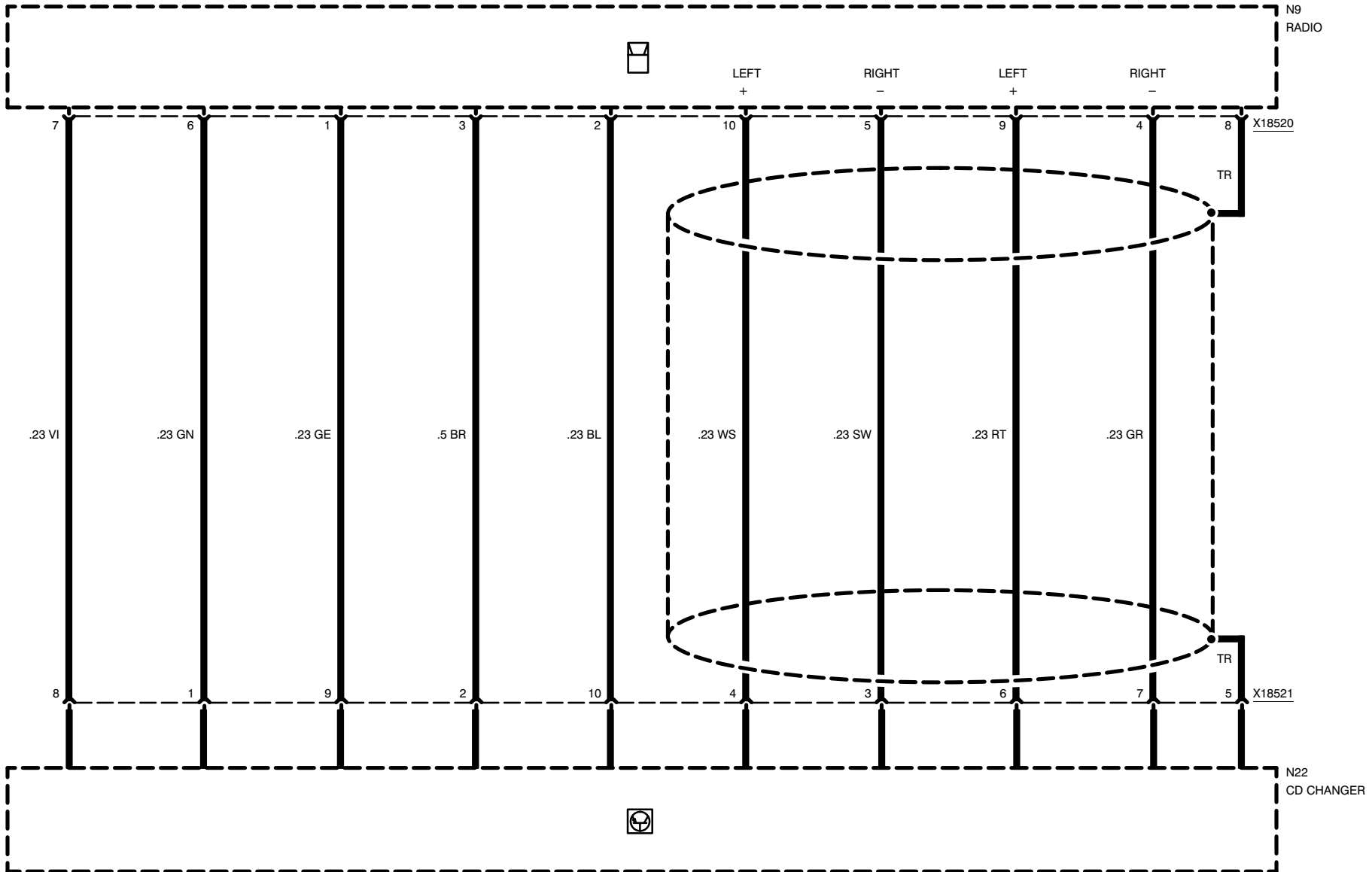
6510.1-02

1997



# RADIO/HIFI

Z3



03/98

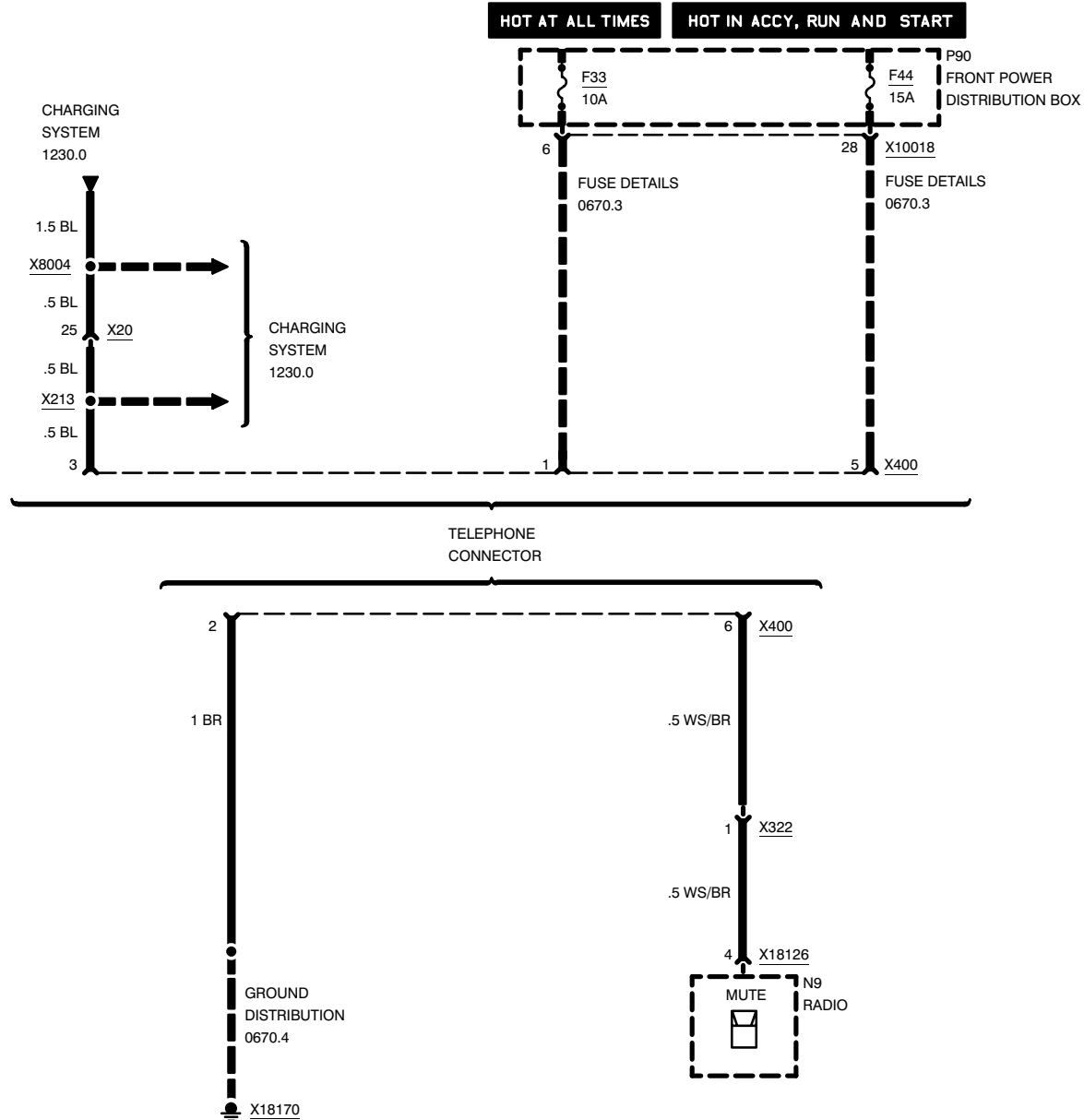
6510.1-03

1997



# CELLULAR TELEPHONE (PROVISIONS)

## PROVISIONS

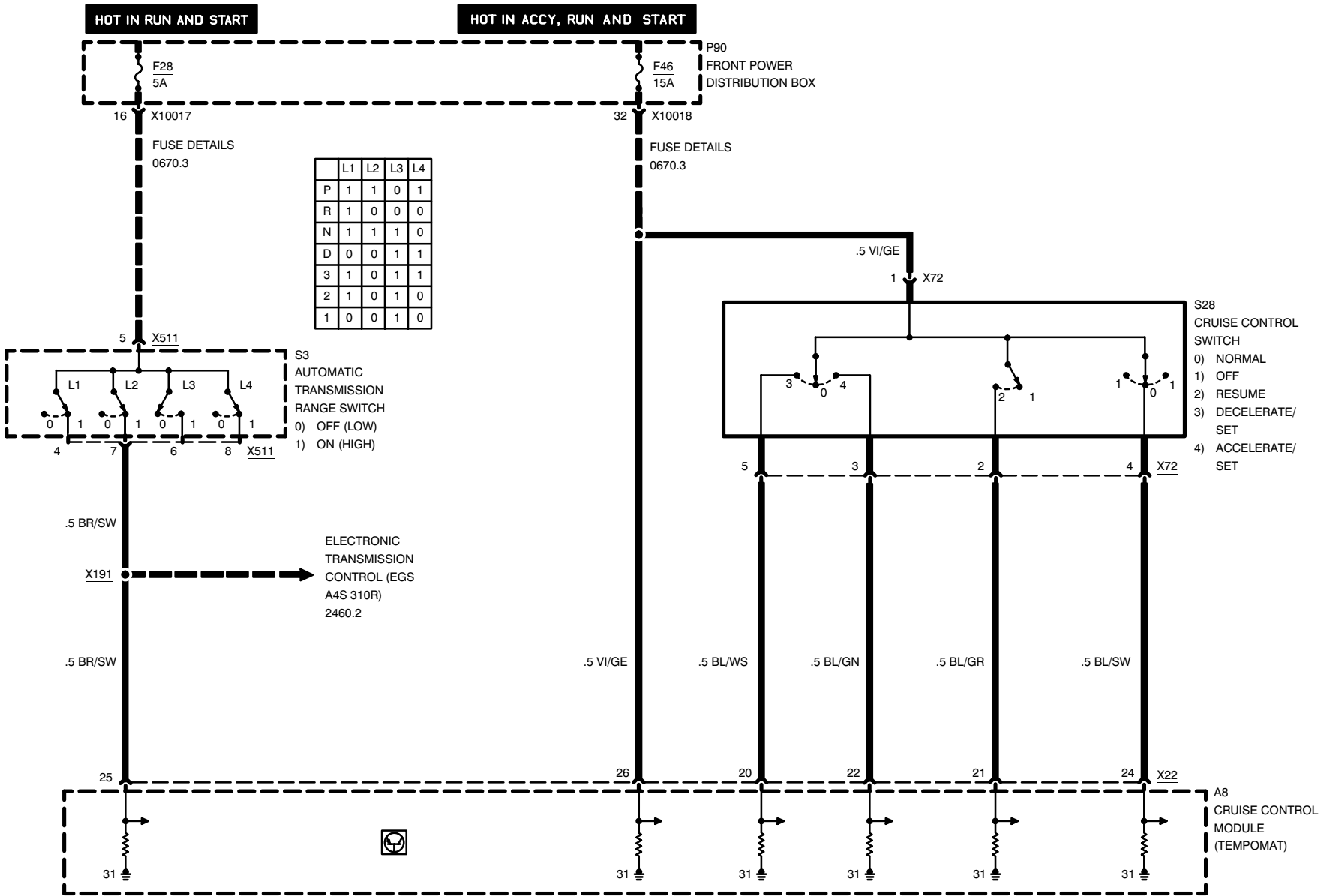






Z3

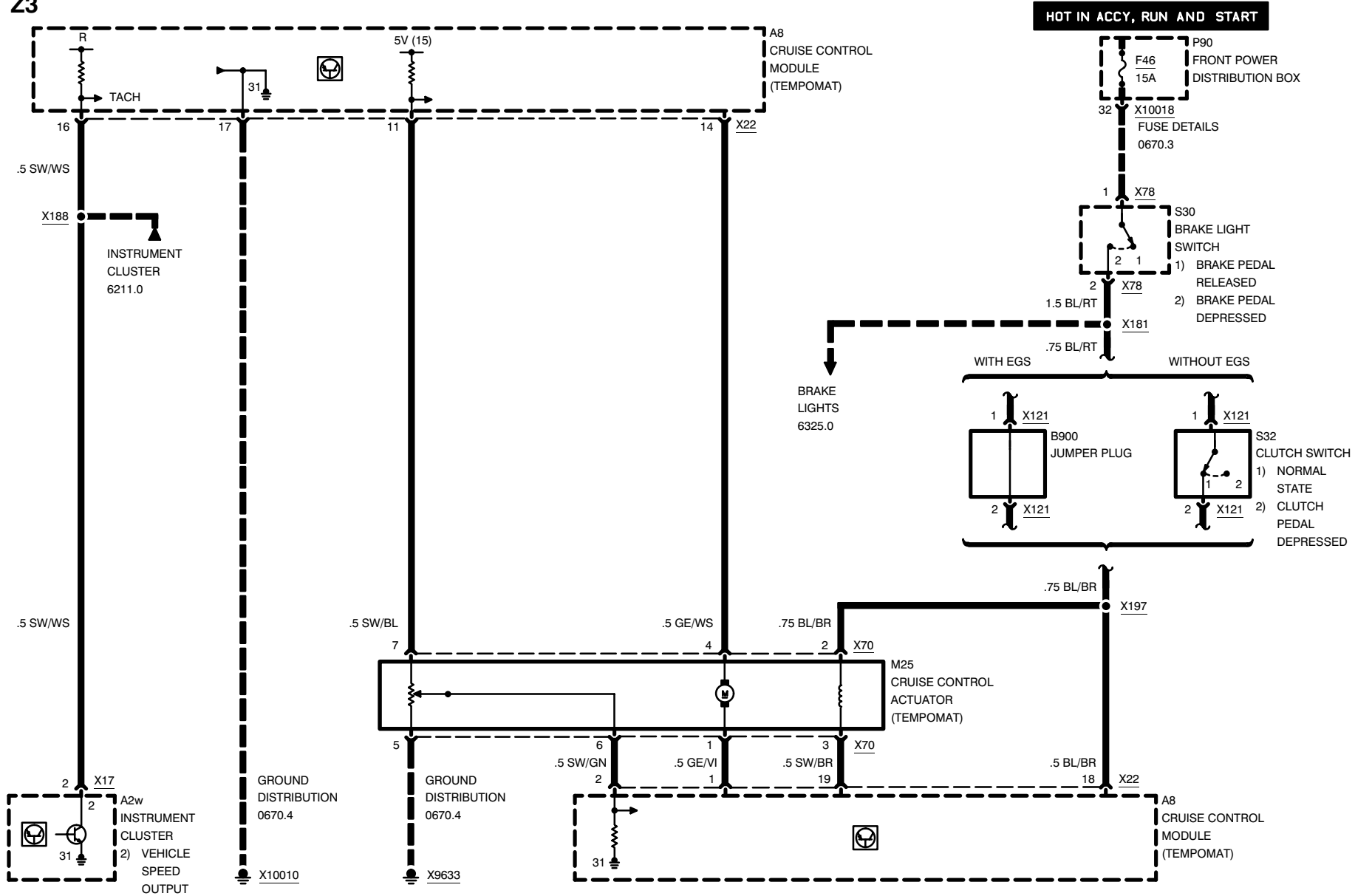
# CRUISE CONTROL (TEMPOMAT)





# CRUISE CONTROL (TEMPOMAT)

Z3

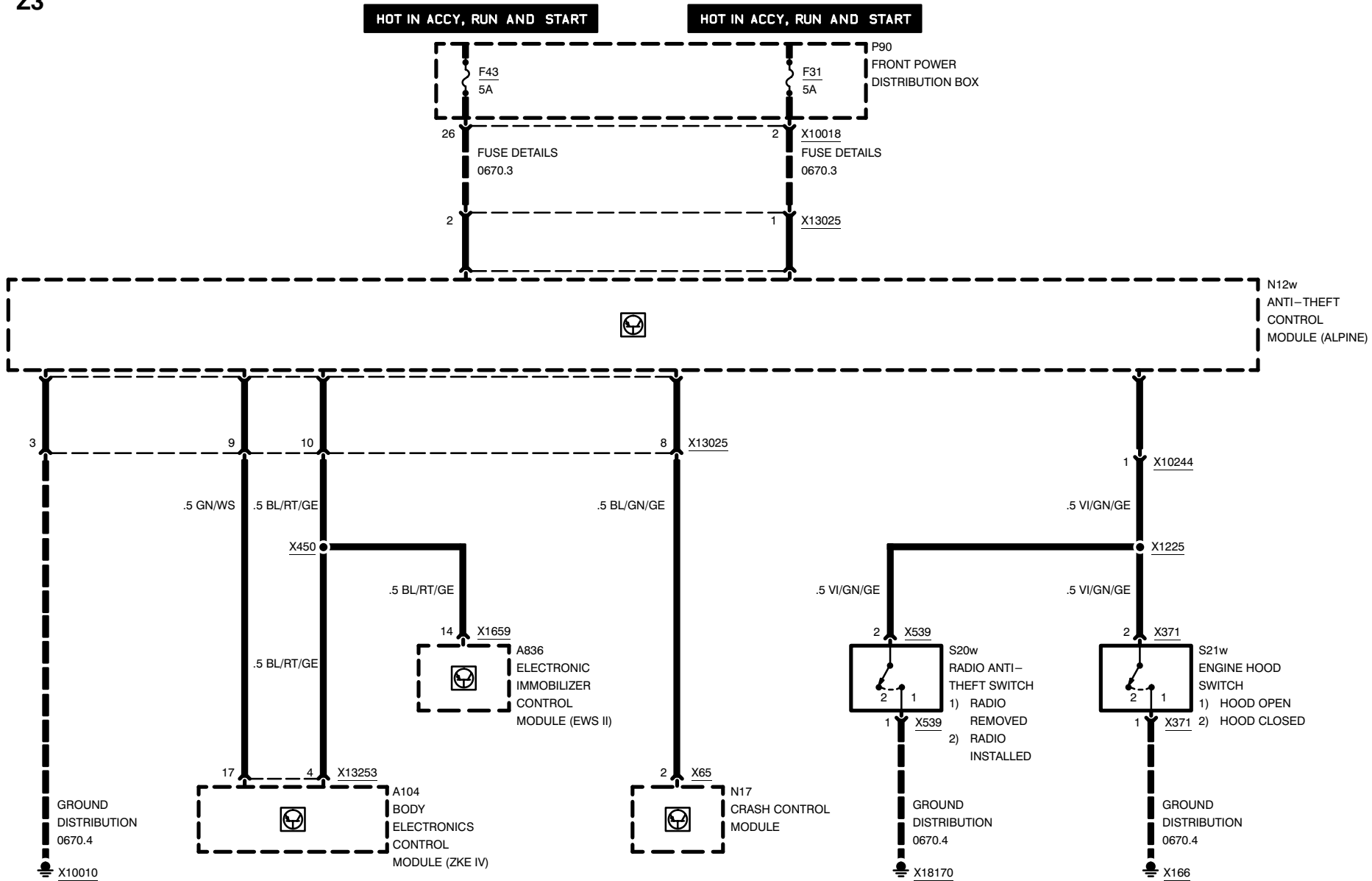


03/98

6571.0-01

1997

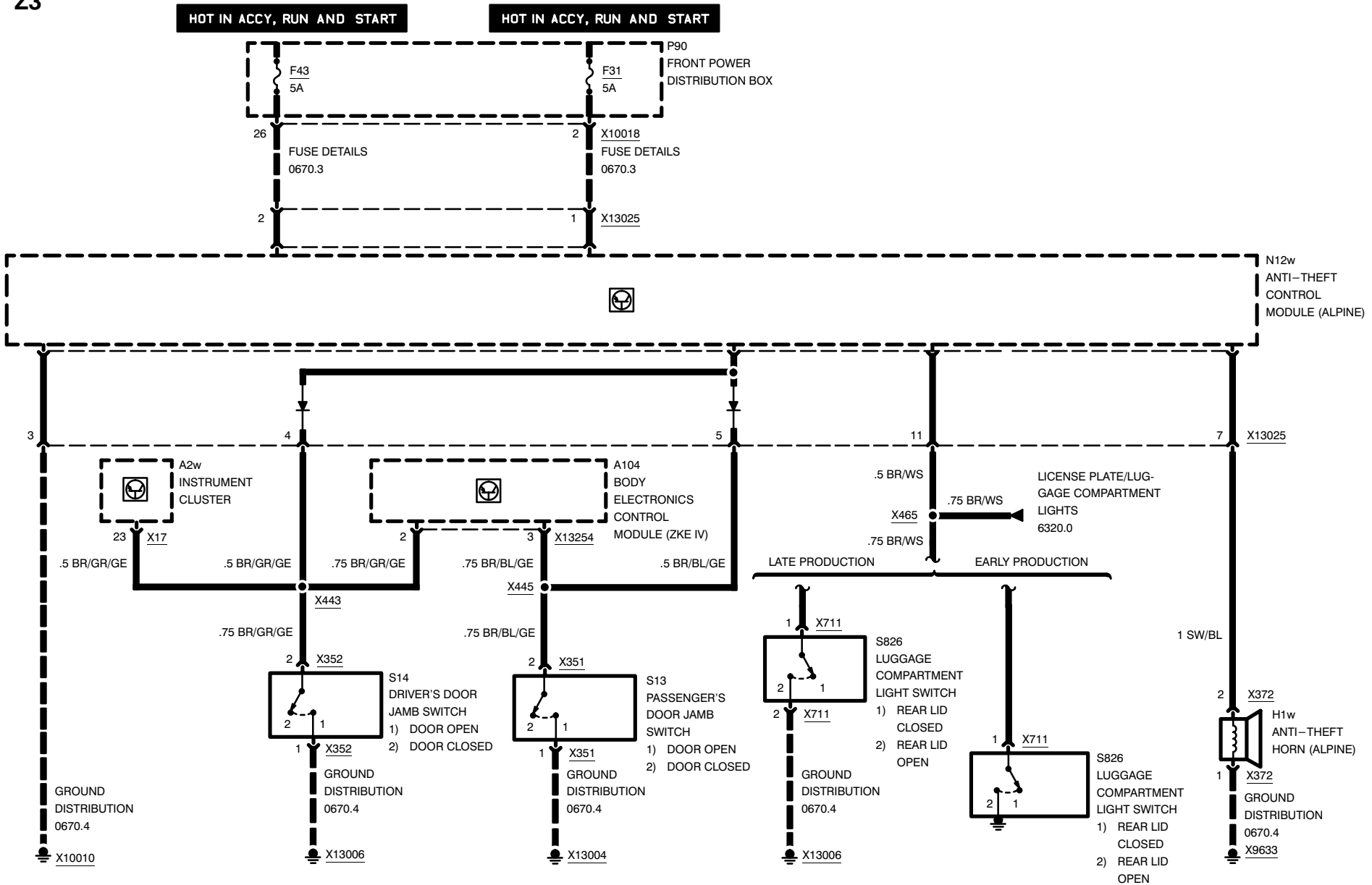
# ANTI-THEFT SYSTEM (ALPINE)





Z3

# ANTI-THEFT SYSTEM (ALPINE)



03/98

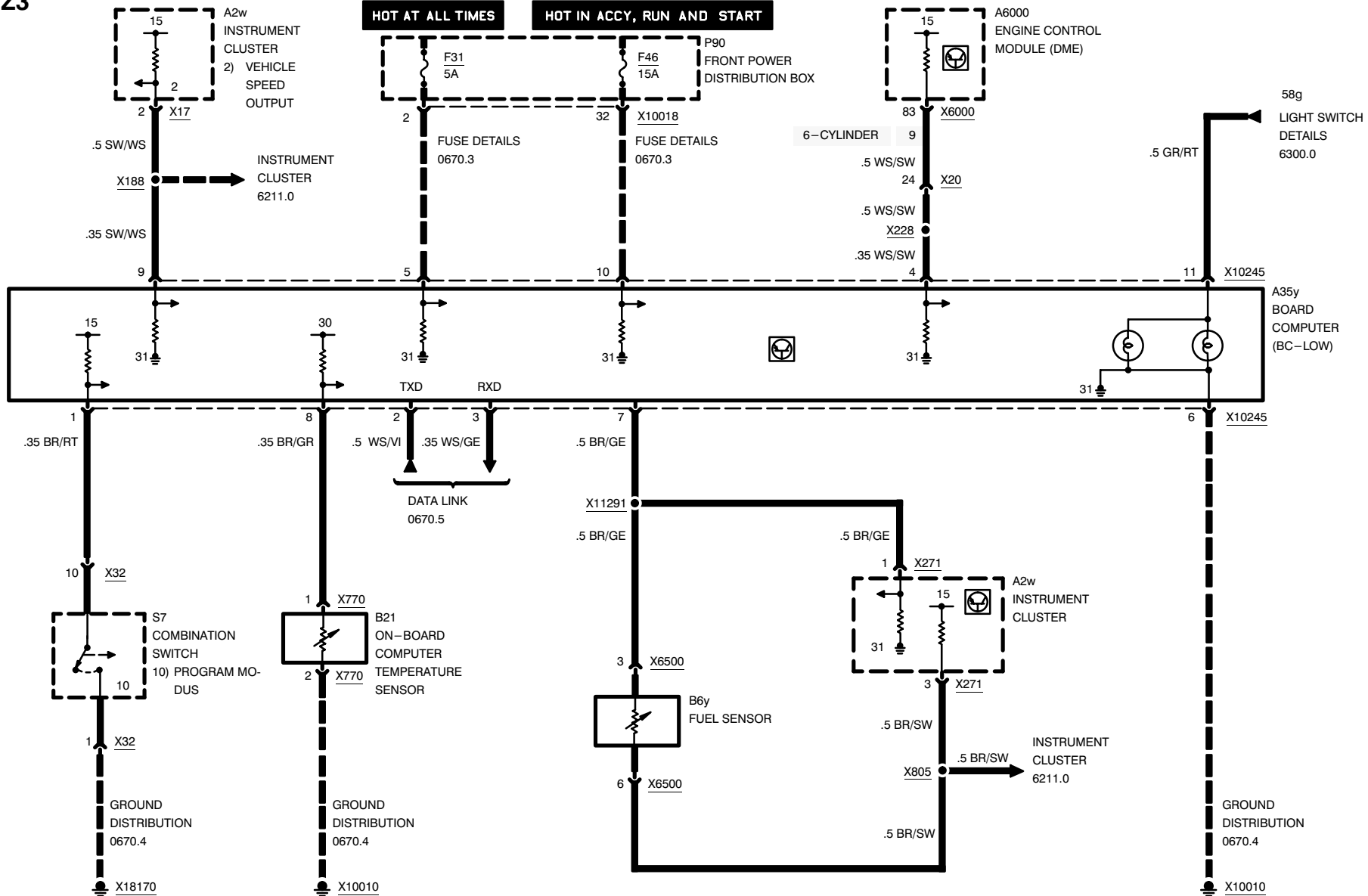
6575.2-01

1997



# BOARD COMPUTER (BC-LOW)

Z3



03/98

6581.3-00

1997



Z3

# 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 behind trim panel	27-3	
A35y	BOARD COMPUTER (BC-LOW)	center console	01-3	
A51	WIPER/WASHER MODULE	behind glove box	00-2	
A52	SLIP CONTROL MODULE (ABS/ASC)	behind glove box (4-cylinder)	00-1	
A52	SLIP CONTROL MODULE (ABS/ASC)	behind glove box (6-cylinder)	00-3	
A64	WIPER/WASHER MODULE (LOW II)	behind glove box	00-2	
A104	BODY ELECTRONICS CONTROL MODULE (ZKE IV)	behind glove box	00-2	
A110	DIGITAL CLOCK	center console		
A113	SEAT OCCUPANCY DETECTOR	under RH front seat (WITH SPORT SEAT)	41-2	
A113	SEAT OCCUPANCY DETECTOR	under RH front seat	24-1	
A202	ABS CONTROL MODULE/HYDRAULIC UNIT	rear LH side of engine compartment		
A605	FUSE HOLDER	center console (radio and console removed)	38-1	
A835	TRANSMITTER MODULE (EWS II)	near steering column	01-2	
A836	ELECTRONIC IMMOBILIZER CONTROL MODULE (EWS II)	behind glove box	00-1	
A6000	ENGINE CONTROL MODULE (DME)	rear RH side of engine compartment in E-Box	01-1	
A8500	TRANSMISSION CONTROL MODULE (EGS)	rear RH side of engine compartment in E-Box	01-1	

03/98

7000.0-0

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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	on front LH wheel well (4-cylinder)	12-1	
B21	ON-BOARD COMPUTER TEMPERATURE SENSOR	in RH front bumper (6-cylinder)	35-2	
B65	FUEL TANK PRESSURE SENSOR	top of fuel tank	39-2	
B900	JUMPER PLUG	LH footwell		
B6203	CRANKSHAFT POSITION/RPM SENSOR	rear LH side of engine compartment	32-3	
B6204	CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION)	front of engine	31-3	
B6205	INTAKE AIR TEMPERATURE SENSOR	front LH side of engine compartment (4-cylinder)	11-2	
B6205	INTAKE AIR TEMPERATURE SENSOR	front LH side of engine compartment (6-cylinder)	34-1	

03/98

7000.0-1

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
B6207	HOT FILM AIR MASS METER	LH side of engine compartment	33-3	
B6209	HALL EFFECT CAMSHAFT SENSOR	front of engine		
B6210y	OXYGEN SENSOR (IN FRONT OF CATALYTIC CONVERTER)	under center of car	35-1	
B6217	HOT FILM AIR MASS METER	front LH side of engine compartment	11-3	
B6220y	OXYGEN SENSOR (BEHIND CATALYTIC CONVERTER)	under center of car	35-1	
B6231	OIL PRESSURE SWITCH	lower LH side of engine	32-2	
B6232	ENGINE COOLANT TEMPERATURE SENSOR	front of engine	10-2	
B6240	KNOCK SENSOR	top front of engine (4-cylinder)	10-2	
B6240	KNOCK SENSOR	top front of engine (6-cylinder)	33-2	
B6247	CHARCOAL FILTER SHUT-OFF VALVE	under LH rear of car	36-1	
B6256	DUAL TEMPERATURE SENSOR (COOLANT TEMPERATURE)	rear of engine compartment	32-1	
B9508	PRESSURE SWITCH	front RH side of engine compartment	30-2	
B62001	OXYGEN SENSOR (IN FRONT OF CATALYTIC CONVERTER)	under center of car	14-3	
B62002	OXYGEN SENSOR (BEHIND CATALYTIC CONVERTER)	under center of car		
C101	CONTACT RING	top of steering column	38-3	
D100	DATA LINK CONNECTOR	rear RH side of engine compartment	31-1	
D110	OBD II CONNECTOR	center console right	28-3	
E7	LEFT HEADLIGHT	front LH side of engine compartment		

03/98

7000.0-2

1997





Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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 . . . . .	03-1	
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		
E29 . . .	FRONT CIGAR LIGHTER LIGHT . . . . .	center console . . . . .	22-3	
E32 . . .	TRUNK COMPARTMENT LIGHT . . . . .	in luggage compartment		
E43 . . .	LEFT LICENSE PLATE LIGHT . . . . .	underside of trunk lid, near license plate		
E44 . . .	RIGHT LICENSE PLATE LIGHT . . . . .	underside of trunk lid, near license plate		
E51 . . .	LEFT WASHER JET HEATER . . . . .	on underside of engine hood . . . . .	16-2	
E52 . . .	RIGHT WASHER JET HEATER . . . . .	on underside of engine hood . . . . .	16-2	

03/98

7000.0-3

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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	
E99 ...	HARD TOP CONNECTOR 1	near LH rear wheel well		
E104 .	THROTTLE FLAP HEATER	front of engine		
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		
F97 ...	FUSIBLE LINK	in RH side of luggage compartment	03-1	
G1 ...	BATTERY	in RH side of luggage compartment	03-1	
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	38-2	
G13 ..	PASSENGER'S SIDE PYROTECHNICAL BELT TENSIONER	in RH front seat belt buckle	38-2	
G6430	B+ JUMP START JUNCTION POINT	rear RH side of engine compartment	03-2	
G6509	GENERATOR	front LH side of engine compartment	02-3	
H1w ..	ANTI-THEFT HORN (ALPINE)	rear LH side of engine compartment	09-1	

03/98

7000.0-4

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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		
H10 ..	CHIME MODULE .....	below LH side of dash		
H34 ..	HIGH LEVEL STOP LIGHT .....	on lift gate		
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		
H54 ..	RIGHT FRONT MIDRANGE SPEAKER .....	in upper RH front door		
H54z .	REAR RIGHT MID-HIGH RANGE SPEAKER .....	in rear speaker box .....	39-3	
H55 ..	LEFT FRONT MIDRANGE SPEAKER .....	in upper LH front door		
H55z .	REAR LEFT MID-HIGH RANGE SPEAKER .	in rear speaker box .....	40-1	
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		
H500 .	REAR WOOFER .....	in rear speaker box		
I1008 .	SEAT MAT .....	in passenger's seat area		
K2 ....	HORN RELAY .....	rear LH side of engine compartment in Power Distribution Box .....	09-2	

03/98

7000.0-5

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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	
K10	ABS RELAY	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	
K46	HIGH BEAM LIGHT RELAY	footwell, driver's side	19-1	
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	
K75	ABS PUMP MOTOR RELAY	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	41-1	
K911	PASSENGER'S SEAT LENGTH ADJUST CUT-OFF RELAY	underside of RH front seat	41-1	
K920	DRIVER'S SEAT TILT ADJUST CUT-OFF RELAY	underside of LH front seat	40-2	
K921	DRIVER'S SEAT LENGTH ADJUST CUT-OFF RELAY	underside of LH front seat	40-2	
K6300	ENGINE CONTROL MODULE RELAY	rear RH side of engine compartment in E-Box (6-cylinder)	01-1	
K6300	ENGINE CONTROL MODULE RELAY	rear RH side of engine compartment in E-Box (4-cylinder)	36-3	
K6304	SECONDARY AIR PUMP RELAY	rear RH side of engine compartment in E-Box (6-cylinder)	01-1	
K6304	SECONDARY AIR PUMP RELAY	rear LH side of engine compartment (4-cylinder)	37-1	

03/98

7000.0-6

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
K6326	UNLOADER RELAY, TERMINAL 15	rear RH side of engine compartment in E-Box (6-cylinder)	01-1	
K6326	UNLOADER RELAY, TERMINAL 15	rear RH side of engine compartment in E-Box (4-cylinder)	36-3	
K6301w	FUEL PUMP RELAY	below LH side of dash	19-1	
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	
M2	FUEL PUMP	in fuel tank		
M3	WIPER MOTOR	rear of engine compartment		
M4	WASHER PUMP	front RH side of engine compartment on washer fluid reservoir	08-3	
M7	HEADLIGHT/FOG LIGHT WASHER PUMP	front RH side of engine compartment on washer fluid reservoir	08-3	
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		
M17	TRUNK LOCK MOTOR	rear side of luggage compartment behind trim panel		
M21	DRIVER'S WINDOW MOTOR	in driver's door	17-2	
M23	PASSENGER'S WINDOW MOTOR	in passenger's door	18-3	
M25	CRUISE CONTROL ACTUATOR (TEMPOMAT)	rear LH side of engine compartment	08-1	
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)	40-3	
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)	40-3	

03/98

7000.0-7

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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	35-3	
M101 .	CONVERTIBLE TOP MOTOR	in LH side of luggage compartment	25-3	
M111 .	FRESH AIR RECIRCULATION MOTOR	RH side of LH footwell	21-2	
M6510	STARTER	rear LH side of engine compartment	02-2	
M6506	E-BOX FAN	front RH side of engine compartment in E-Box		
N8 ...	ANTENNA AMPLIFIER AM/FM	in LH side of luggage compartment behind trim panel		
N9 ...	RADIO	center console		
N12w .	ANTI-THEFT CONTROL MODULE (ALPINE)	behind glove box		
N17 ..	CRASH CONTROL MODULE	footwell, driver's side	19-1	
N22 ..	CD CHANGER	in LH forward side of luggage compartment		
P90 ...	FRONT POWER DISTRIBUTION BOX	rear LH side of engine compartment		
P97 ...	AUXILIARY FUSE BOX	below LH side of dash	19-1	
R11 ..	BLOWER RESISTORS	rear of engine compartment behind firewall		
R31 ..	AUXILIARY THROTTLE POSITION SENSOR	front of engine (6-cylinder)	33-3	
R31 ..	AUXILIARY THROTTLE POSITION SENSOR	front of engine (4-cylinder)	37-3	
R6252	THROTTLE POSITION SENSOR	front of engine (4-cylinder)	10-3	
R6252	THROTTLE POSITION SENSOR	front of engine (6-cylinder)	33-3	
S2 ....	IGNITION SWITCH	LH side of dash		

03/98

7000.0-8

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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		
S7 . . . .	COMBINATION SWITCH . . . . .	LH side of dash LH side of steering column above		
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) . . . . .	38-1	
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	
S36y .	DOUBLE TEMPERATURE SWITCH . . . . .	front RH side of engine compartment . . . . .	30-1	
S47 . . .	DRIVER'S DOOR LOCK SWITCH . . . . .	in driver's door . . . . .	17-1	
S49 . . .	PASSENGER'S DOOR LOCK SWITCH . . . . .	in passenger's door		

03/98

7000.0-9

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S51 ...	DRIVER'S SEAT, SEAT CONTROL SWITCH .	LH front seat		
S53 ...	DRIVER'S SEAT, SEAT HEATER SWITCH ...	center console (EARLY PRODUCTION) .....	23-1	
S53 ...	DRIVER'S SEAT, SEAT HEATER SWITCH ...	center console (behind seat) (LATE PRODUCTION)		
S54 ...	PASSENGER'S SEAT, SEAT HEATER SWITCH .....	center console (EARLY PRODUCTION) .....	23-1	
S54 ...	PASSENGER'S SEAT, SEAT HEATER SWITCH .....	center console (behind seat) (LATE PRODUCTION)		
S56 ...	PASSENGER'S SEAT, SEAT CONTROL SWITCH .....	RH front seat		
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		
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 LH wheel well .....	12-1	
S220 .	AIR CONDITIONING/RECIRCULATING SWITCH ASSEMBLY .....	center console .....	01-3	
S221 .	EVAPORATOR CONTROLLER .....	RH side of LH footwell .....	21-2	
S235 .	STARTER IMMOBILIZATION SWITCH .....	LH footwell		
S408 .	SIDE LIGHT SWITCH .....	near interior rear view mirror .....	28-2	

03/98

7000.0-10

1997





Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S531	TEMPERATURE WHEEL SWITCH	center of dash	21-3	
S826	LUGGAGE COMPARTMENT LIGHT SWITCH	underside of trunk lid		
S910	DRIVER'S SEAT LIMIT SWITCH	in driver's seatback		
S911	PASSENGER'S SEAT LIMIT SWITCH	in passenger's seatback		
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		
V7	ASC DIODE	Power Distribution Box rear LH side of engine compartment		
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		
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
X29	(1 PIN, ---)	LH side of steering column		

03/98

7000.0-11

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X32 ...	(12 PINS, NATURAL)	on steering column	19-2	02-4
X33 ...	(12 PINS, BLACK)	on steering column	19-2	02-4
X44 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X45 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X51 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X52 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X53 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X54 ...	(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		03-4
X69 ...	(25 PINS, GRAY)	rear LH side of engine compartment	08-1	04-4
X70 ...	(8 PINS, BLACK)	rear LH side of engine compartment	08-1	06-2
X72 ...	(6 PINS, NATURAL)	on steering column	19-2	05-3
X74 ...	(50 PINS, YELLOW)	below center console	22-2	10-2
X78 ...	(4 PINS, BLACK)	on steering column	20-1	03-1
X82 ...	(3 PINS, BLACK)	under radiator	13-1	05-4
X85 ...	(3 PINS, BLACK)	rear LH side of engine compartment	11-1	05-4
X87 ...	(3 PINS, BLACK)	RH top of radiator	30-1	05-4
X105 .	(2 PINS, GRAY)	on underside of engine hood	16-2	

03/98

7000.0-12

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X106	(2 PINS, GRAY)	on underside of engine hood	16-2	
X107	(2 PINS, GRAY)	front RH side of engine compartment on washer fluid reservoir	08-3	
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	08-3	
X127	(4 PINS, BLACK)	front RH side of engine compartment	30-2	05-3
X128	(3 PINS, BLACK)	front LH side of engine compartment	11-2	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	12-1	
X133	(2 PINS, BLACK)	on front LH 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	(3 PINS, GRAY)	under LH rear of car, ASC		06-3
X142	(2 PINS, GRAY)	under LH rear of car, ABS	16-1	
X143	(3 PINS, GRAY)	under RH rear of car, ASC		06-3
X143	(2 PINS, GRAY)	under RH rear of car, ABS	15-3	

03/98

7000.0-13

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X163	(3 PINS, BLACK)	front RH side of engine compartment on washer fluid reservoir near RH headlight assembly	30-2	05-4
X165	GROUND	front RH side of engine compartment	04-2	
X166	GROUND	front LH side of engine compartment	05-1	
X170	GROUND	behind LH footwell speaker grille	07-2	
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)	40-3	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)	41-2	03-1
X285	(15 PINS, BLUE)	behind glove box	00-2	05-1
X295	(8 PINS, BLACK)	on steering column	19-2	03-3
X311	(3 PINS, BLACK)	in luggage compartment lid	28-1	01-1
X315	(2 PINS, BLACK)	in luggage compartment lid	28-1	
X316	(4 PINS, YELLOW)	center console near gearshift lever		07-1
X318	(8 PINS, BLACK)	in RH rear side of luggage compartment behind RH rear light assembly	03-1	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, YELLOW)	center console near gearshift lever		07-1
X333	(4 PINS, NATURAL)	rear of engine compartment below center of cowl		03-1

03/98

7000.0-14

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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 (EARLY PRODUCTION)	23-2	02-1
X400	(8 PINS, BLACK)	center console (behind seat) (LATE PRODUCTION)		02-1
X413	(3 PINS, BLACK)	HIGH LEVEL STOP LIGHT		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		
X494	GROUND	below center console	07-1	
X503	(12 PINS, BLACK)	LH side of dash	20-3	07-2
X504	(4 PINS, NATURAL)	LH side of dash	20-3	03-1
X511	(8 PINS, BLACK)	center console	22-1	02-1
X516	(5 PINS, BLACK)	center console		02-6
X521	(6 PINS, BLUE)	center console		04-5

03/98

7000.0-15

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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	40-1	01-1
X538	(3 PINS, BLACK)	REAR RIGHT MID-HIGH RANGE SPEAKER	39-3	01-1
X539	(2 PINS, BLACK)	center console (radio and console removed)	38-1	
X605	(12 PINS, BLACK)	in RH side of luggage compartment behind trim panel	27-3	01-5
X606	(26 PINS, BLACK)	in RH side of luggage compartment behind trim panel	27-3	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
X651	(6 PINS, YELLOW)	center console (EARLY PRODUCTION)	23-1	04-5
X651	(6 PINS, YELLOW)	center console (behind seat) (LATE PRODUCTION)		04-5
X658	(6 PINS, YELLOW)	center console (EARLY PRODUCTION)	23-1	04-5
X658	(6 PINS, YELLOW)	center console (behind seat) (LATE PRODUCTION)		04-5
X660	(6 PINS, BLACK)	LH front door behind door panel		07-4
X700	(1 PIN, ---)	behind RH footwell speaker grille	23-3	
X701	(1 PIN, ---)	behind LH footwell speaker grille		
X709	(2 PINS, BLACK)	underside of trunk lid, near license plate		
X710	(2 PINS, BLACK)	underside of trunk lid, near license plate		
X711	(2 PINS, BLACK)	in luggage compartment lid	28-1	

03/98

7000.0-16

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X712	(1 PIN, BLACK)	in luggage compartment		
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)	40-3	
X728	(2 PINS, BLACK)	under LH front seat	25-1	
X728	(2 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	40-3	
X733	(4 PINS, BLACK)	under LH front seat	25-2	03-1
X733	(4 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	40-3	03-1
X734	(2 PINS, NATURAL)	under RH front seat	24-1	
X734	(2 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	41-1	
X737	(2 PINS, BLACK)	under RH front seat	24-1	
X737	(2 PINS, BLACK)	under RH front seat (WITH SPORT SEAT)	41-2	
X740	(4 PINS, BLACK)	under RH front seat	24-2	03-1
X740	(4 PINS, BLACK)	under RH front seat (WITH SPORT SEAT)	41-2	03-1
X742	(2 PINS, YELLOW)	in passenger's door		
X744	(4 PINS, GRAY)	in passenger's door	18-3	05-3
X746	(3 PINS, YELLOW)	in passenger's door	18-3	05-2
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	05-2
X766	(2 PINS, BLACK)	LH front of vehicle		
X767	(2 PINS, BLACK)	RH front of vehicle		

03/98

7000.0-17

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X768	(2 PINS, BLACK)	on front LH wheel well	12-1	
X769	(2 PINS, BLACK)	RH front of wheel well	13-2	
X770	(2 PINS, YELLOW)	on front LH wheel well (4-cylinder)	12-1	
X770	(2 PINS, YELLOW)	in RH front bumper (6-cylinder)	35-2	
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)	40-2	07-1
X782	(3 PINS, ORANGE)	behind glove box above	00-3	07-5
X783	(3 PINS, ORANGE)	underside of steering column	38-3	07-5
X861	GROUND	LH side of engine compartment	05-1	
X898	(8 PINS, BLACK)	under rear storage compartment	26-2	08-3
X904	(4 PINS, BLACK)	rear of engine compartment behind firewall		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	
X1148	(2 PINS, BLACK)	on front LH wheel well	12-1	
X1161	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X1166	GROUND	behind glove box	04-3	
X1170	(42 PINS, BLACK)	behind glove box	00-1	09-4
X1171	(55 PINS, NATURAL)	behind glove box	00-3	10-3
X1175	(42 PINS, BLACK)	behind glove box	00-1	09-4

03/98

7000.0-18

1997





Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X1176	(25 PINS, BLACK)	rear LH side of engine compartment	35-3	04-4
X1178	(2 PINS, WHITE)	center console	27-2	
X1193	(3 PINS, BLACK)	center console	22-1	01-1
X1213	(2 PINS, BLACK)	center console		
X1265	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X1266	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X1380	(1 PIN, ---)	behind RH footwell speaker grille	23-3	
X1381	(1 PIN, ---)	behind LH footwell speaker grille		
X1441	GROUND	below center console	07-3	
X1517	(6 PINS, BLACK)	RH side of LH footwell	21-2	09-2
X1588	(2 PINS, BLACK)	below LH side of dash	19-1	
X1652	(5 PINS, BLACK)	behind glove box	00-1	06-4
X1659	(15 PINS, YELLOW)	behind glove box	00-1	05-1
X1715	(6 PINS, BLACK)	in RH side of luggage compartment behind trim panel	27-3	04-5
X1890	(3 PINS, BLACK)	under radiator		05-4
X5115	(2 PINS, BLACK)	center console (radio and console removed)	38-1	
X6000	(88 PINS, NATURAL)	rear RH side of engine compartment in E-Box		00-1
X6002	(20 PINS, BLACK)	rear RH side of engine compartment		04-1
X6031	(12 PINS, BLACK)	rear LH side of engine compartment	08-1	01-6
X6091	(30 PINS, BLACK)	rear of engine compartment on firewall	10-1	01-2
X6101	(2 PINS, BLACK)	top center of engine		
X6102	(2 PINS, BLACK)	top center of engine		

03/98

7000.0-19

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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 (4-cylinder)	08-2	
X6120	(2 PINS, BLACK)	LH side of engine compartment (6-cylinder)	34-2	
X6130	(3 PINS, BLACK)	front of engine (4-cylinder)	10-3	01-6
X6130	(3 PINS, BLACK)	front of engine (6-cylinder)		01-6
X6131	(2 PINS, BLACK)	front LH side of engine compartment	11-3	
X6133	(2 PINS, BLACK)	rear RH side of engine compartment (6-cylinder)	31-2	
X6133	(2 PINS, BLACK)	LH side of engine compartment (4-cylinder)	37-2	
X6150	(10 PINS, BLACK)	rear RH side of engine compartment		01-4
X6150	(7 PINS, BLACK)	rear RH side of engine compartment	31-1	04-2
X6151	(3 PINS, GRAY)	top RH side of engine (4-cylinder)		08-4
X6151	(3 PINS, BLACK)	top RH side of engine (6-cylinder)		08-4
X6152	(3 PINS, GRAY)	top RH side of engine (4-cylinder)		08-4
X6152	(3 PINS, BLACK)	top RH side of engine (6-cylinder)		08-4
X6153	(3 PINS, BLACK)	top RH side of engine (4-cylinder)		08-4
X6153	(3 PINS, GRAY)	top RH side of engine (6-cylinder)		08-4
X6154	(3 PINS, GRAY)	top RH side of engine (4-cylinder)		08-4
X6154	(3 PINS, BLACK)	top RH side of engine (6-cylinder)		08-4
X6155	(3 PINS, BLACK)	top RH side of engine		08-4

03/98

7000.0-20

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6156	(3 PINS, BLACK)	top RH side of engine		08-4
X6163	(2 PINS, BLACK)	LH side of engine compartment (6-cylinder)	31-3	
X6163	(2 PINS, BLACK)	LH side of engine compartment (4-cylinder)	37-3	
X6203	(3 PINS, BLACK)	front of engine below intake manifold	33-1	01-6
X6204	(3 PINS, BLACK)	front of engine below intake manifold	33-1	01-6
X6205	(2 PINS, BLACK)	front LH side of engine compartment (4-cylinder)	11-2	
X6205	(2 PINS, BLACK)	front LH side of engine compartment (6-cylinder)	34-1	
X6207	(4 PINS, BLACK)	LH side of engine compartment	33-3	03-2
X6209	(3 PINS, BLACK)	front of engine HALL EFFECT CAMSHAFT SENSOR		06-4
X6210	(4 PINS, BLACK)	under center of car	35-1	06-1
X6217	(4 PINS, GRAY)	front LH side of engine compartment	11-3	03-2
X6220	(4 PINS, BLACK)	under center of car	35-1	06-1
X6231	(2 PINS, BLACK)	RH front of engine (4-cylinder)	10-2	
X6231	(2 PINS, BLACK)	front of engine (6-cylinder)	32-2	
X6232	(4 PINS, BLACK)	RH front of engine	10-2	06-1
X6240	(4 PINS, BLACK)	LH side of engine near starter (4-cylinder)	02-2	06-1
X6240	(4 PINS, BLACK)	LH side of engine (6-cylinder)	33-1	06-1
X6247	(2 PINS, BLACK)	under LH rear of car	36-1	
X6252	(3 PINS, BLACK)	front of engine (4-cylinder)	10-3	06-4
X6252	(3 PINS, BLACK)	front of engine (6-cylinder)	33-3	01-6
X6256	(4 PINS, BLACK)	rear of engine compartment		02-6
X6263	(2 PINS, BLACK)	under LH center of car	36-2	

03/98

7000.0-21

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6275	(2 PINS, BLACK)	top center of engine	31-3	
X6300	(9 PINS, BLACK)	rear RH side of engine compartment in E-Box		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 (6-cylinder)		03-4
X6304	(9 PINS, BLACK)	rear LH side of engine compartment (4-cylinder)		03-4
X6326	(9 PINS, BLACK)	rear RH side of engine compartment in E-Box		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		
X6454	GROUND	rear RH side of engine compartment (4-cylinder)	04-1	
X6454	GROUND	rear RH side of engine compartment (6-cylinder)	04-2	
X6455	GROUND	rear RH side of engine compartment	04-2	
X6456	GROUND	rear RH side of engine compartment (4-cylinder)	04-1	
X6456	GROUND	rear RH side of engine compartment (6-cylinder)	06-1	
X6500	(6 PINS, BLACK)	under rear storage compartment	39-1	06-5
X6501	(3 PINS, BLACK)	under rear storage compartment	39-1	02-5
X6506	(2 PINS, BLACK)	rear RH side of engine compartment in E-Box		
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		

03/98

7000.0-22

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
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		01-6
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		00-1
X8503	(6 PINS, YELLOW)	center console	22-1	04-5
X8505	(16 PINS, BLACK)	on RH side of transmission	15-1	10-4
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		
X8521	(9 PINS, BLACK)	on RH side of transmission	15-1	09-1
X9633	GROUND	behind LH footwell speaker grille	07-2	
X9990	(3 PINS, BLACK)	in driver's seatback		10-1
X9991	(10 PINS, BLACK)	underside of LH front seat	40-2	01-2
X9994	(3 PINS, BLACK)	in passenger's seatback		10-1
X9995	(10 PINS, BLACK)	underside of RH front seat	41-1	01-2
X9997	(2 PINS, ORANGE)	behind steering wheel		
X10010	GROUND	behind glove box	04-3	
X10013	(2 PINS, NATURAL)	behind steering wheel		
X10054	(8 PINS, BLACK)	RH side of LH footwell	21-1	02-1
X10065	(2 PINS, WHITE)	LH footwell	14-1	

03/98

7000.0-23

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X10088	(2 PINS, BLACK)	front RH side of engine compartment	30-3	
X10094	(2 PINS, BLACK)	front of engine	35-3	
X10098	(1 PIN, NATURAL)	Power Distribution Box rear LH side of engine compartment		
X10099	(1 PIN, ---)	Power Distribution Box rear LH side of engine compartment		
X10182	(18 PINS, BLACK)	behind glove box		07-3
X10214	(3 PINS, BLACK)	under LH front seat	40-2	05-2
X10215	(3 PINS, BLACK)	under RH front seat	41-1	05-2
X10216	(3 PINS, BLACK)	in LH front seat belt buckle	38-2	07-5
X10217	(3 PINS, BLACK)	in RH front seat belt buckle	38-2	07-5
X10218	(3 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	41-2	01-1
X10218	(3 PINS, NATURAL)	under RH front seat	24-2	01-1
X10238	(3 PINS, BLACK)	front of engine		
X10239	(3 PINS, BLACK)	front of engine (6-cylinder)	33-3	01-6
X10239	(3 PINS, BLACK)	front of engine (4-cylinder)	37-3	01-6
X10244	(1 PIN, BLACK)	behind glove box	24-3	
X10245	(12 PINS, BLACK)	center console	01-3	01-3
X10246	(12 PINS, BLACK)	in rear left speaker box	26-3	01-3
X10260	(3 PINS, NATURAL)	near steering column	01-2	01-1
X10262	(9 PINS, BLACK)	below LH side of dash		03-4
X10263	(6 PIN, BLACK)	center console		04-5
X10299	(4 PINS, BLACK)	RH rear wheel well	17-3	03-1
X11104	(1 PIN, ---)	near interior rear view mirror	28-2	

03/98

7000.0-24

1997



Z3

# 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	
X11209	(4 PINS, BLACK)	near RH rear wheel well	17-3	03-1
X11287	CONNECTORS SOLDERED UP	center of dash		
X11379	(3 PINS, BLACK)	RH top of radiator	30-1	05-4
X11394	(25 PINS, BLACK)	rear LH side of engine compartment		00-2
X13004	GROUND	behind glove box	04-3	
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
X13146	(8 PINS, BLACK)	in LH side of luggage compartment	25-3	02-1
X13233	(1 PIN, BLACK)	center of dash behind center console		
X13252	(15 PINS, BLACK)	behind glove box		05-1
X13253	(26 PINS, YELLOW)	behind glove box		00-3
X13254	(26 PINS, GREEN)	behind glove box		00-3
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	07-1	

03/98

7000.0-25

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X18180	(3 PINS, BLACK)	in RH rear side of luggage compartment		01-1
X18190	(3 PINS, BLACK)	in driver's door	17-2	05-2
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	01-3	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
X18516	(3 PINS, BLACK)	in passenger's door	18-3	05-2
X18518	(4 PINS, BLACK)	under RH front seat		07-1
X18518	(4 PINS, BLACK)	under RH front seat (WITH SPORT SEAT)	41-1	07-1
X18520	(10 PINS, BLACK)	center console RADIO		
X18521	(10 PINS, BLACK)	RH side of luggage compartment CD CHANGER		
X18774	(4 PINS, NATURAL)	in rear speaker box	26-3	03-1
X18983	(2 PINS, BLACK)	center of dash		
X18984	(2 PINS, BLACK)	center of dash	21-3	
X18994	(3 PINS, YELLOW)	LH footwell		01-1
X19527	(16 PINS, BLACK)	center console right	28-3	08-1
X19528	(3 PINS, NATURAL)	top of fuel tank	39-2	02-5

03/98

7000.0-26

1997





Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X23146	(2 PINS, BLACK)	in LH side of luggage compartment	25-3	
X62001	(4 PINS, BLACK)	under center of car	14-3	06-1
X62002	(4 PINS, BLACK)	under center of car		06-1
X90260	(3 PINS, BLACK)	near steering column	01-2	01-1
X91009	(2 PINS, BLACK)	under RH front seat	41-2	
Y1w ..	ABS HYDRAULIC UNIT	rear LH side of engine compartment (4-cylinder)	08-2	
Y1w ..	ABS HYDRAULIC UNIT	rear LH side of engine compartment (6-cylinder)	35-3	
Y2 ....	AIR CONDITIONING COMPRESSOR	front RH side of engine compartment		
Y4z ...	WATER VALVE	rear LH side of engine compartment	11-1	
Y5 ....	DRIVER'S SIDE MIRROR	in upper LH front door		
Y6 ....	PASSENGER'S SIDE MIRROR	in upper RH front door		
Y19 ...	SHIFT-LOCK	center console	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		
Y6106	CYL. 6 FUEL INJECTION VALVE	on cylinder head		
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment (4-cylinder)	08-2	
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment (6-cylinder)	34-2	
Y6130	IDLE SPEED CONTROL VALVE	front of engine (4-cylinder)	10-3	
Y6130	IDLE SPEED CONTROL VALVE	front of engine (6-cylinder)		

03/98

7000.0-27

1997



Z3

# COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
Y6131	INTAKE AIR RESONANCE CHANGEOVER VALVE .....	front of engine .....	11-3	
Y6133	AIR PUMP .....	LH side of engine compartment (4-cylinder) .....	37-2	
Y6133	AIR PUMP .....	rear RH side of engine compartment (6-cylinder) .....	31-2	
Y6163	SECONDARY AIR PUMP VALVE .....	LH side of engine compartment (6-cylinder) .....	33-2	
Y6163	SECONDARY AIR PUMP VALVE .....	LH side of engine compartment (4-cylinder) .....	37-3	
Y6263	FUEL CHANGEOVER VALVE .....	under LH center of car .....	36-2	
Y6275	VARIABLE CAMSHAFT CONTROL VALVE 1	on cylinder head .....	31-3	
Y6550	SOLENOID VALVE ("RUNNING LOSSES") ..	under LH center of car .....	34-3	
Y8505y	TRANSMISSION VALVE UNIT .....	on RH side of transmission .....	15-1	
Y8521	TRANSMISSION VALVE UNIT .....	on RH side of transmission .....	15-1	

03/98

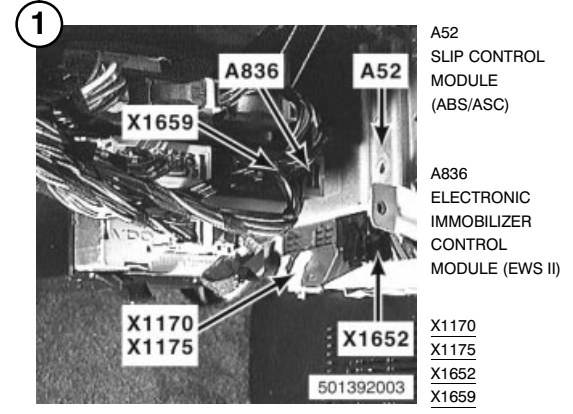
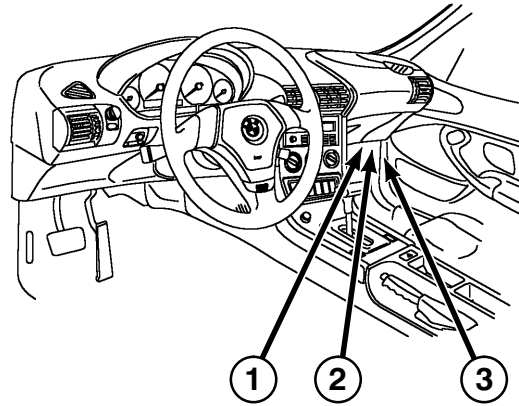
7000.0-28

1997



# COMPONENT LOCATION VIEWS

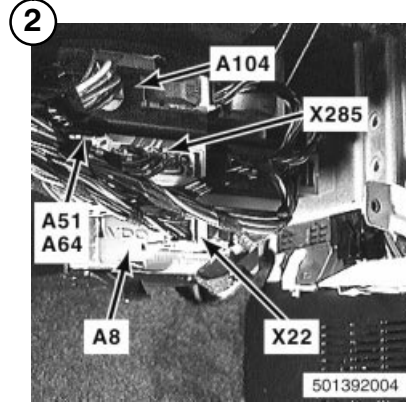
## ELECTRICAL CONTROL MODULE LOCATIONS



A52  
SLIP CONTROL  
MODULE  
(ABS/ASC)

A836  
ELECTRONIC  
IMMOBILIZER  
CONTROL  
MODULE (EWS II)

X1170  
X1175  
X1652  
X1659



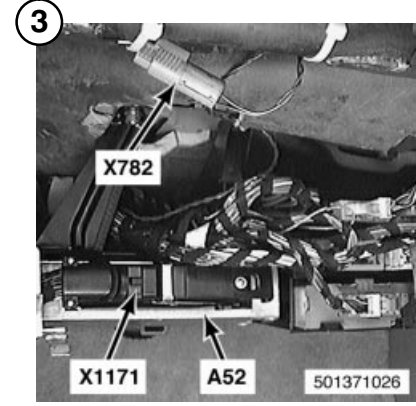
A8  
CRUISE CONTROL  
MODULE  
(TEMPOMAT)

A51  
WIPER/WASHER  
MODULE

A104  
BODY  
ELECTRONICS  
CONTROL  
MODULE (ZKE IV)

X22  
X285

A64  
WIPER/WASHER  
MODULE (LOW II)

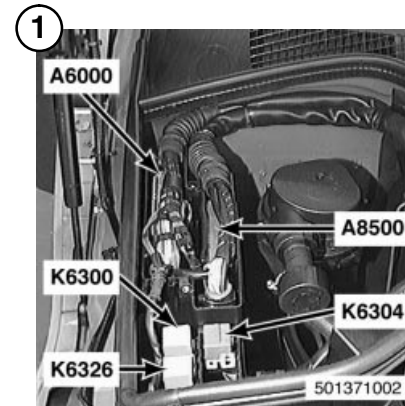
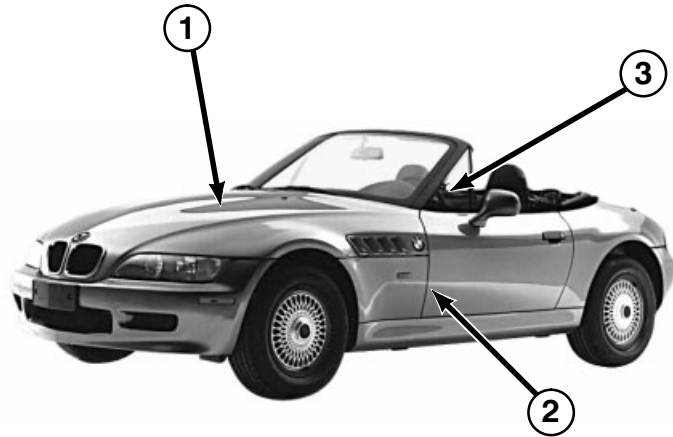


A52  
SLIP CONTROL  
MODULE  
(ABS/ASC)

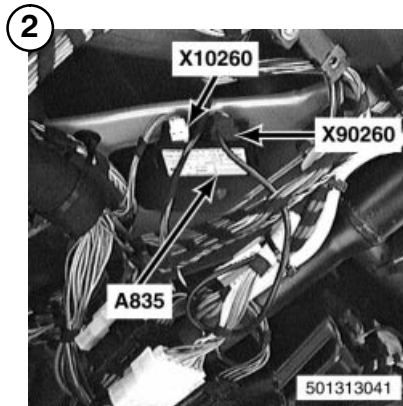
X782  
X1171

# COMPONENT LOCATION VIEWS

## ELECTRICAL CONTROL MODULE LOCATIONS

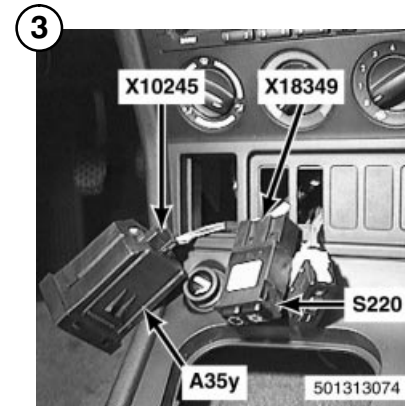


A6000 ENGINE CONTROL MODULE (DME)	K6304 SECONDARY AIR PUMP RELAY
A8500 TRANSMISSION CONTROL MODULE (EGS)	K6326 UNLOADER RELAY, TERMINAL 15
K6300 ENGINE CONTROL MODULE RELAY	



A835  
TRANSMITTER  
MODULE (EWS II)

X10260  
X90260



A35y  
BOARD  
COMPUTER  
(BC-LOW)

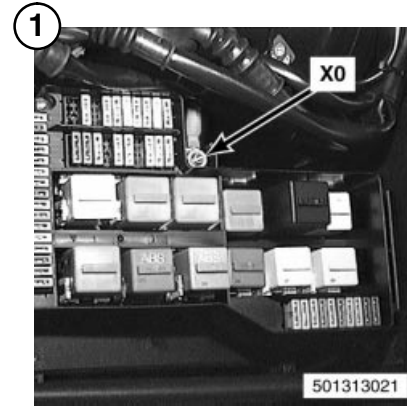
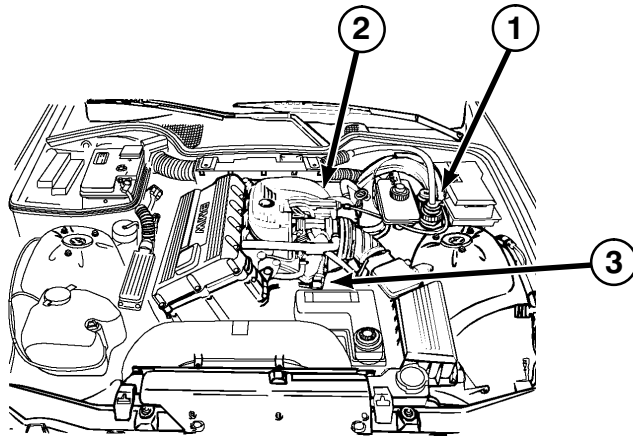
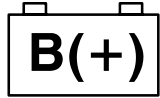
S220  
AIR CONDITIONING/  
RECIRCULATING  
SWITCH ASSEMBLY

X10245  
X18349

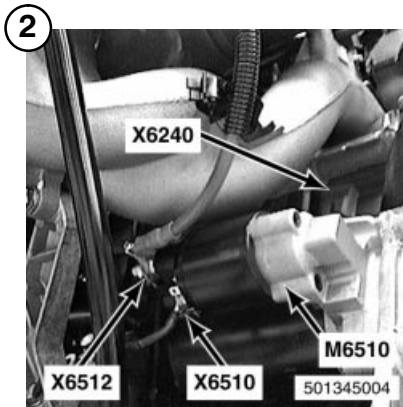


# COMPONENT LOCATION VIEWS

Z3

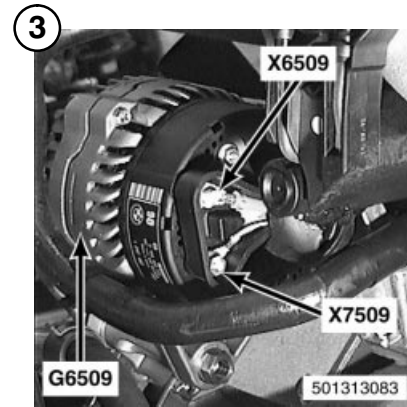


X0  
B+ JUNCTION  
POINT



M6510  
STARTER

X6240  
X6510  
X6512



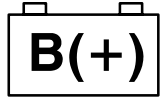
G6509  
GENERATOR

X6509  
X7509



# COMPONENT LOCATION VIEWS

Z3



E17  
RIGHT REAR LIGHT  
ASSEMBLY

X318

F97  
FUSIBLE LINK

G1  
BATTERY

501359009



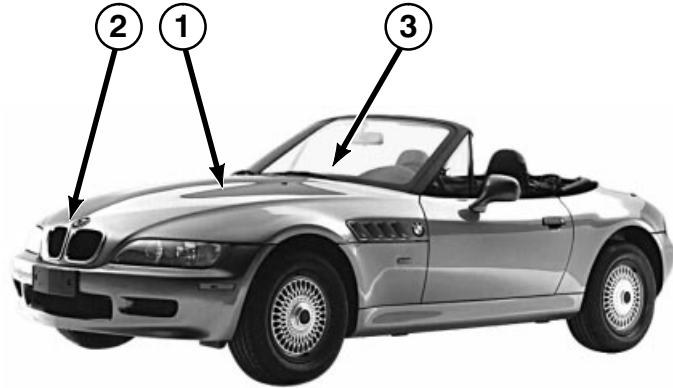
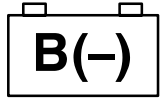
G6430  
B+ JUMP START  
JUNCTION POINT

501359024



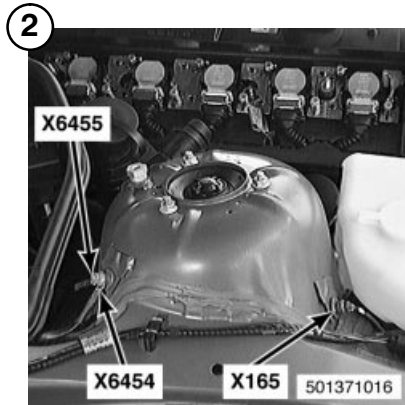
# COMPONENT LOCATION VIEWS

Z3



X6454  
GROUND

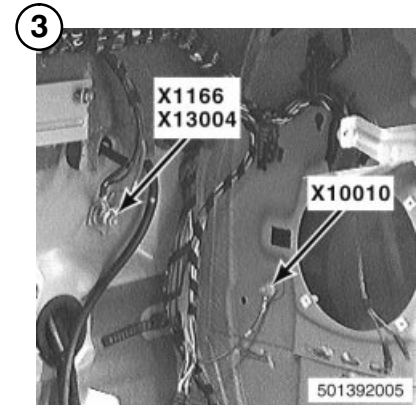
X6456  
GROUND



X165  
GROUND

X6454  
GROUND

X6455  
GROUND



X1166  
GROUND

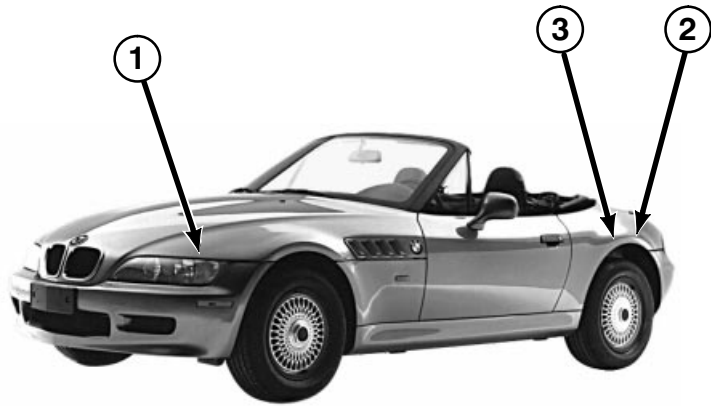
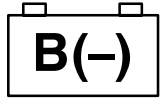
X10010  
GROUND

X13004  
GROUND



# COMPONENT LOCATION VIEWS

Z3



X166  
GROUND

X861  
GROUND

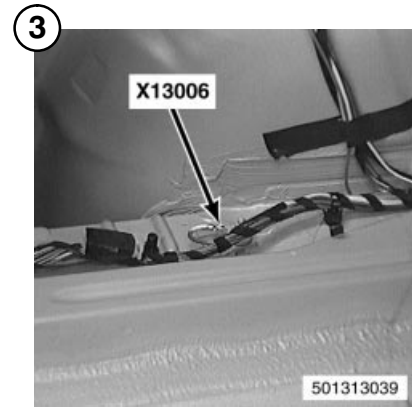
501371022



X13016  
GROUND

X13016

501313037



X13006  
GROUND

X13006

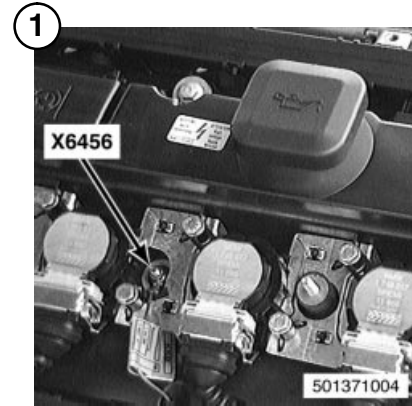
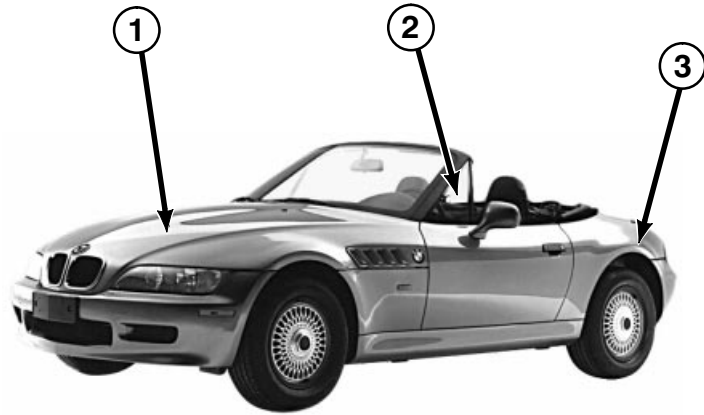
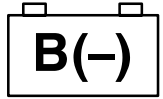
501313039





# COMPONENT LOCATION VIEWS

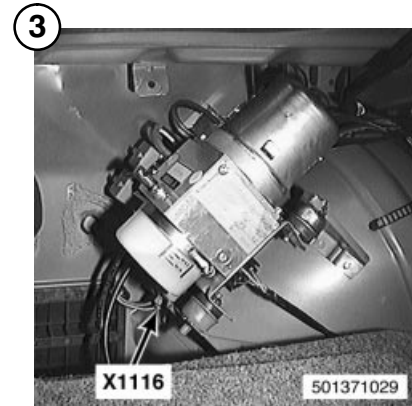
Z3



X6456  
GROUND



X13032  
GROUND

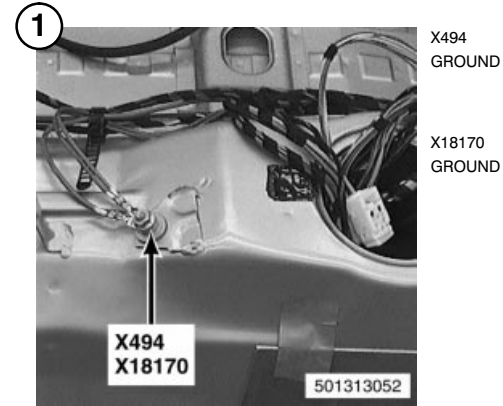
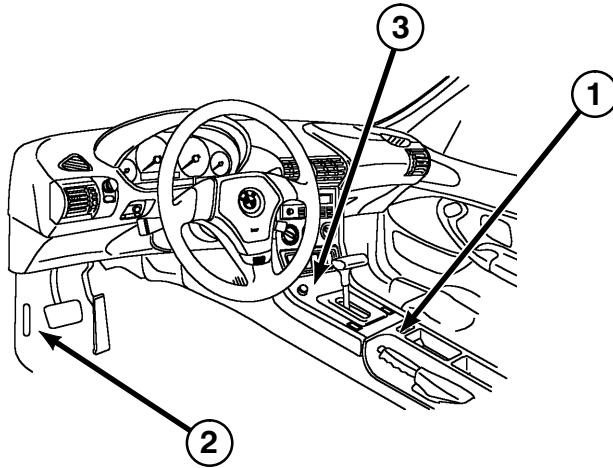
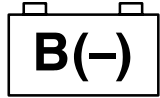


X1116  
GROUND



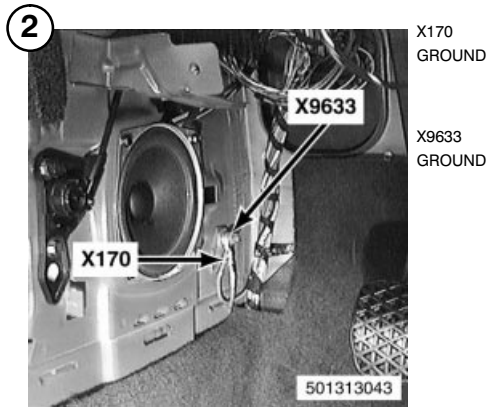
# COMPONENT LOCATION VIEWS

Z3



X494  
GROUND

X18170  
GROUND



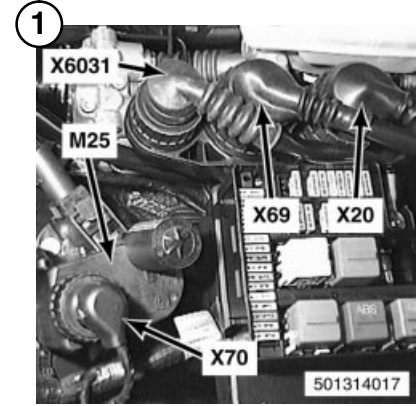
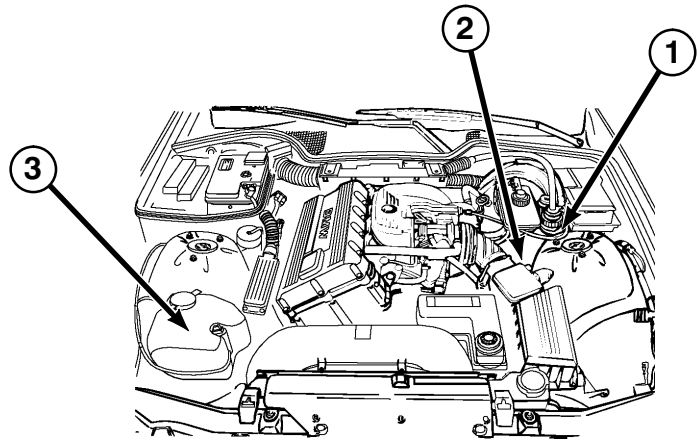
X170  
GROUND

X9633  
GROUND



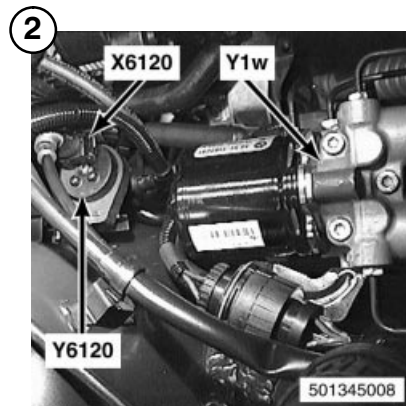
X1441  
GROUND

COMPONENT LOCATION VIEWS



M25  
CRUISE CONTROL  
ACTUATOR  
(TEMPOMAT)

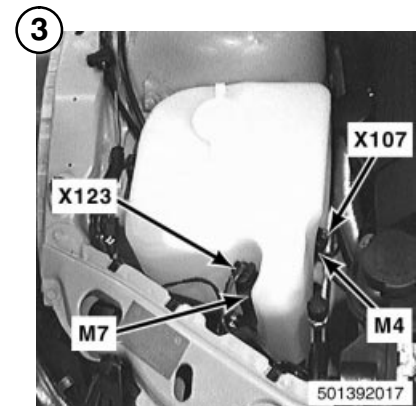
X20  
X69  
X70  
X6031



Y1w  
ABS HYDRAULIC  
UNIT

Y6120  
EVAPORATIVE  
EMISSION VALVE

X6120

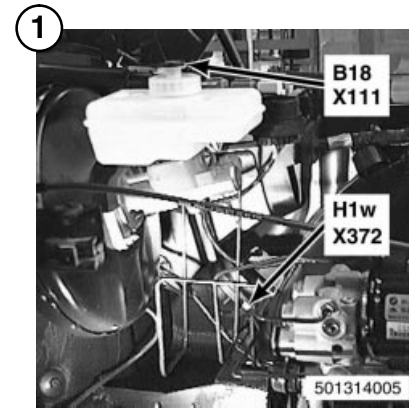
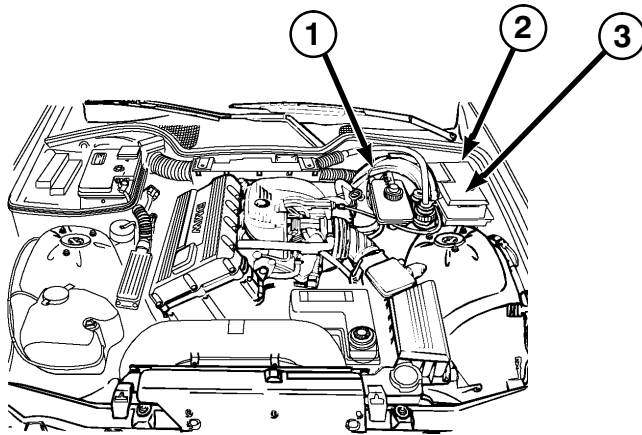


M4  
WASHER PUMP

M7  
HEADLIGHT/FOG  
LIGHT WASHER  
PUMP

X107  
X123

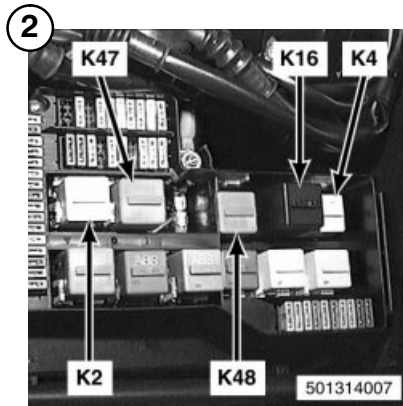
# COMPONENT LOCATION VIEWS



B18  
BRAKE FLUID  
LEVEL SWITCH

H1w  
ANTI-THEFT  
HORN (ALPINE)

X111  
X372



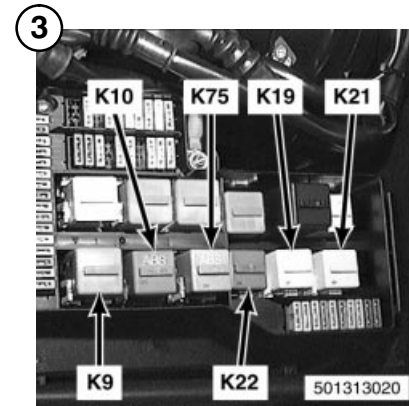
K2  
HORN RELAY

K47  
FRONT FOG LIGHT  
RELAY

K4  
BLOWER RELAY

K48  
LOW BEAM LIGHT  
RELAY

K16  
HAZARD FLASHER  
RELAY



K9  
UNLOADER RELAY,  
TERMINAL 15

K21  
NORMAL SPEED  
RELAY

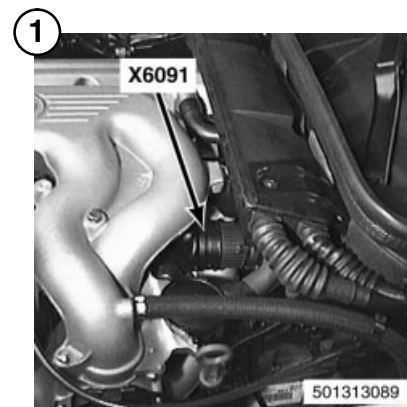
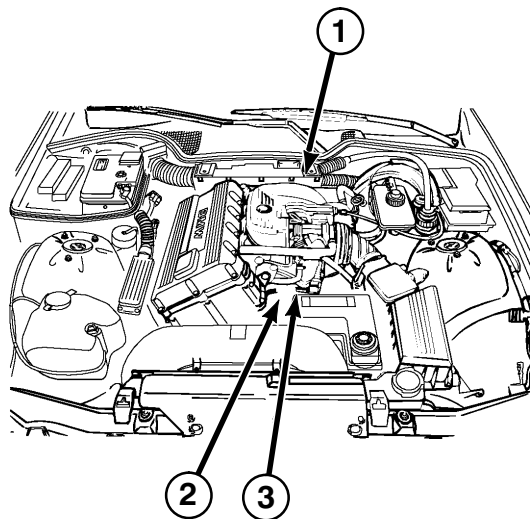
K10  
ABS RELAY

K22  
HIGH SPEED  
RELAY

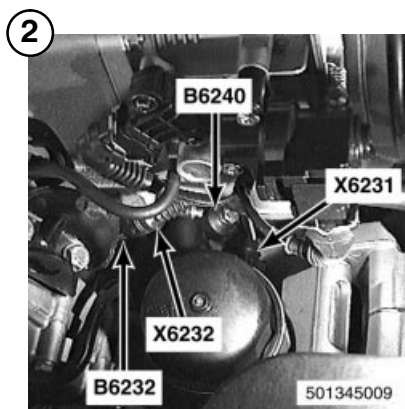
K19  
COMPRESSOR  
CONTROL RELAY

K75  
ABS PUMP MOTOR  
RELAY

# COMPONENT LOCATION VIEWS



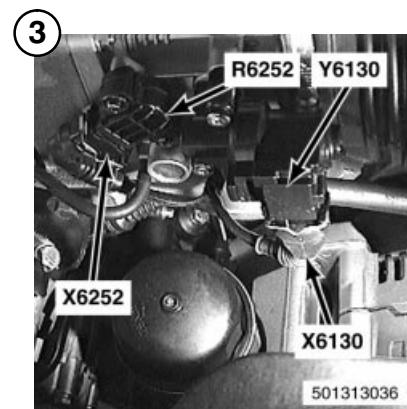
X6091



B6232  
ENGINE COOLANT  
TEMPERATURE  
SENSOR

B6240  
KNOCK SENSOR

X6231  
X6232



R6252  
THROTTLE  
POSITION SENSOR

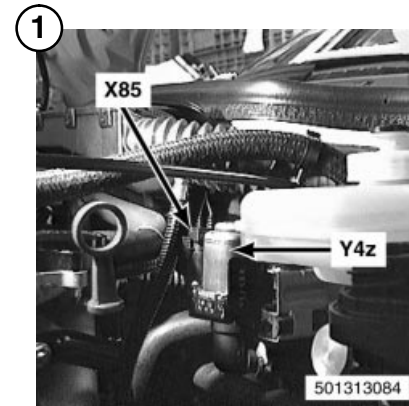
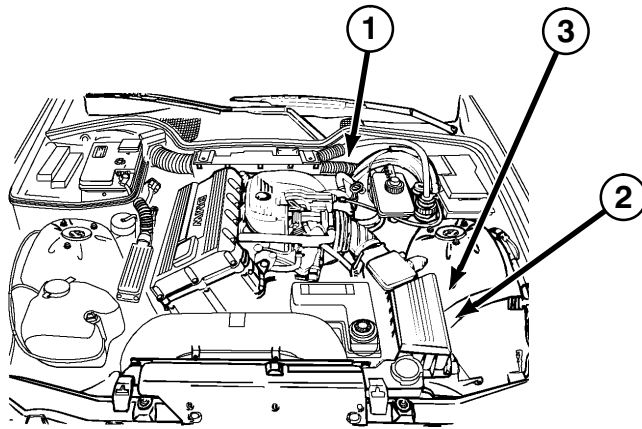
Y6130  
IDLE SPEED  
CONTROL VALVE

X6130  
X6252



Z3

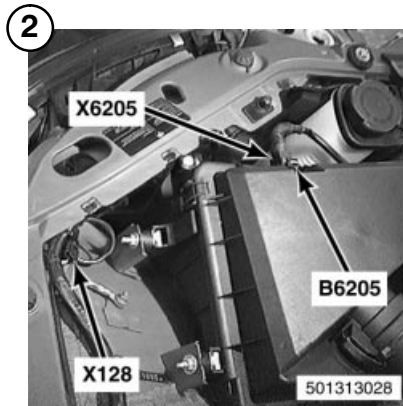
# COMPONENT LOCATION VIEWS



Y4z  
WATER VALVE

X85

501313084



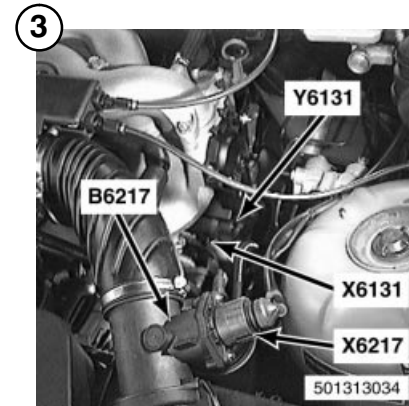
B6205  
INTAKE AIR  
TEMPERATURE  
SENSOR

X128  
X6205

B6205

X128

501313028



B6217  
HOT FILM AIR  
MASS METER

Y6131  
INTAKE AIR RES-  
ONANCE CHANGE-  
OVER VALVE

Y6131

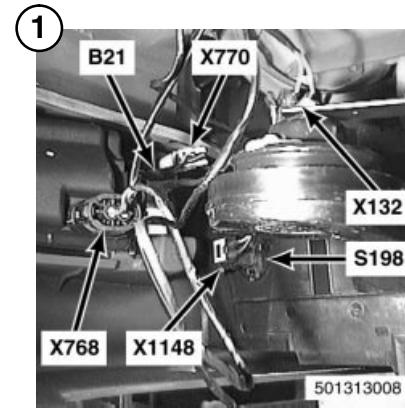
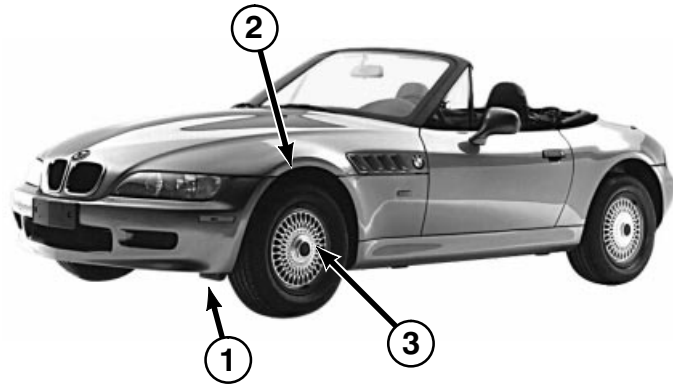
X6131

X6217

X6131  
X6217

501313034

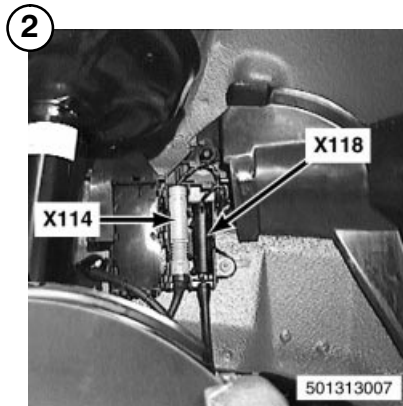
COMPONENT LOCATION VIEWS



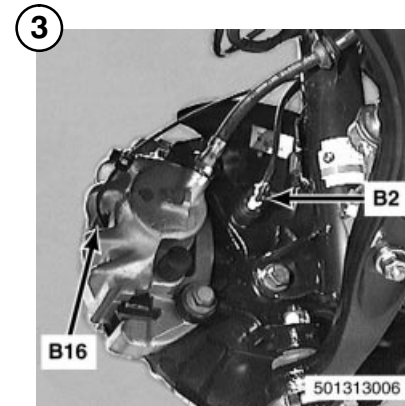
B21  
ON-BOARD  
COMPUTER  
TEMPERATURE  
SENSOR

S198  
JET HEATER  
THERMOSWITCH

X132  
X768  
X770  
X1148



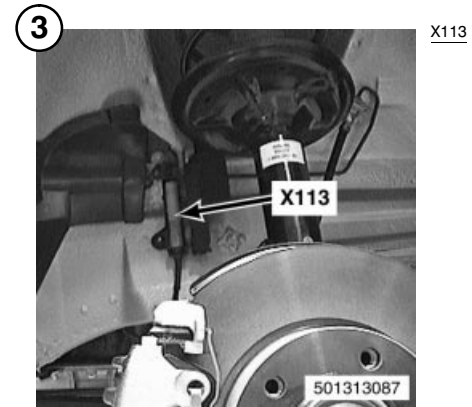
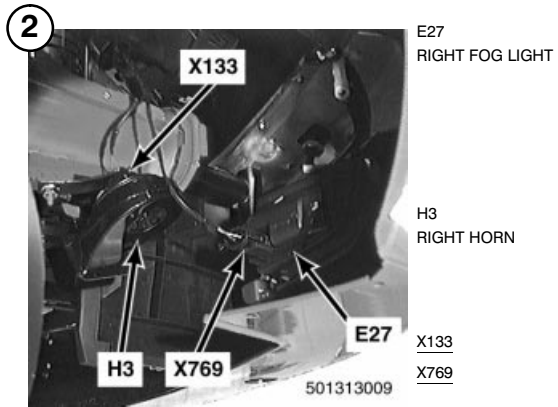
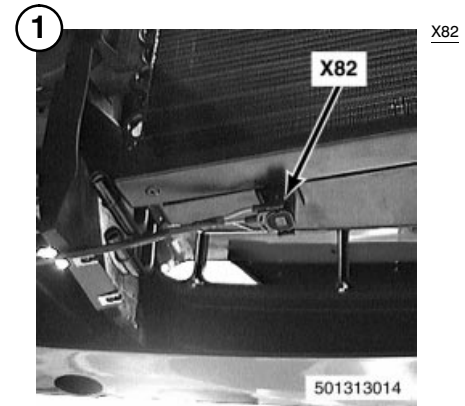
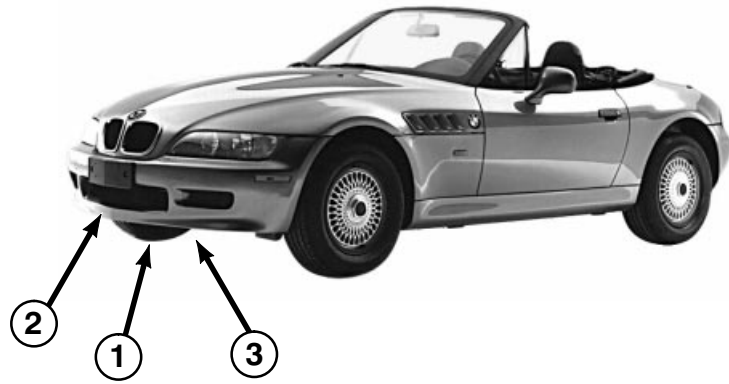
X114  
X118



B2  
LEFT FRONT  
SPEED SENSOR -  
ABS

B16  
LEFT FRONT  
BRAKE PAD  
SENSOR

# COMPONENT LOCATION VIEWS

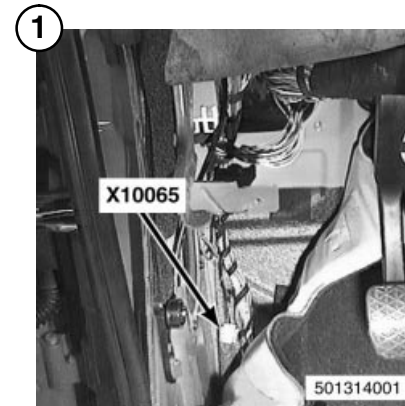
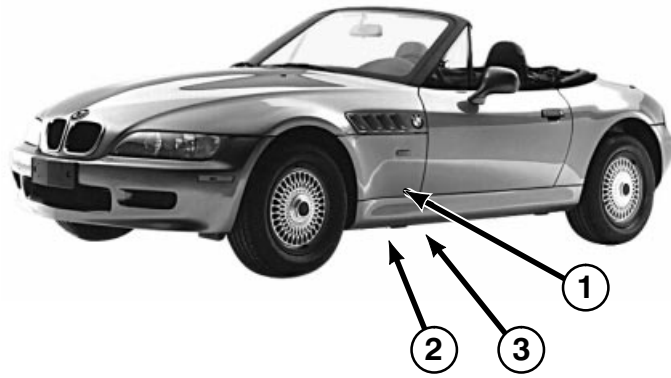




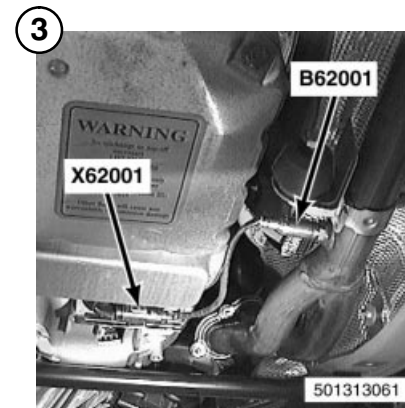


Z3

# COMPONENT LOCATION VIEWS



X10065



S8511  
REVERSING LIGHT  
SWITCH

S8511  
X8511

X8511

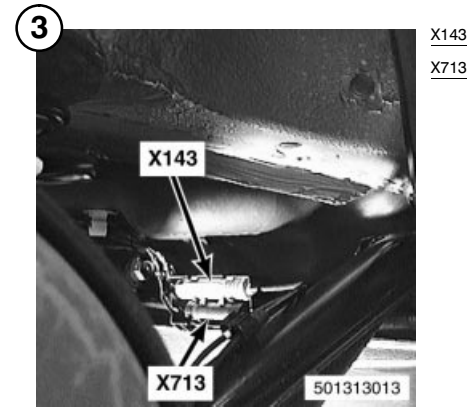
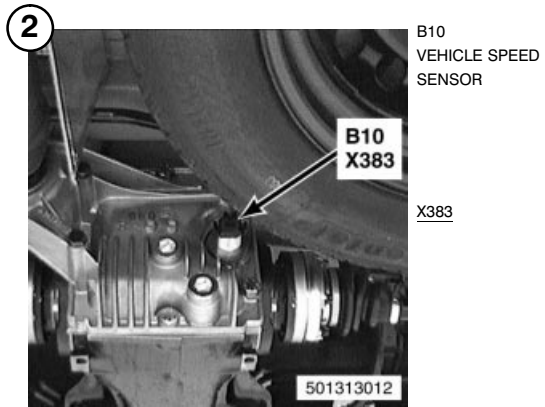
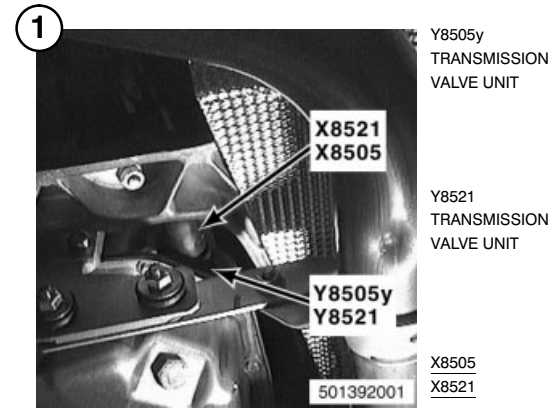
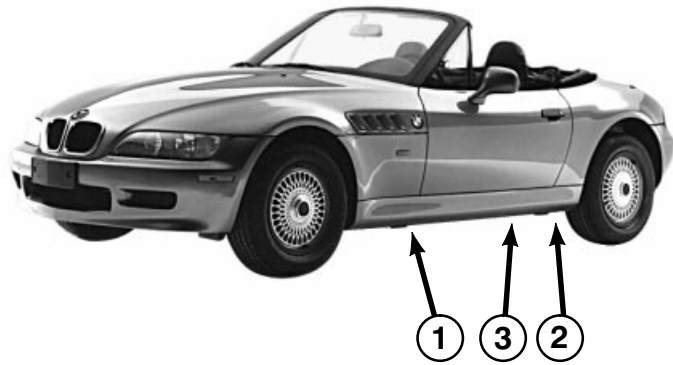
501313010

B62001  
OXYGEN SENSOR  
(IN FRONT OF  
CATALYTIC  
CONVERTER)

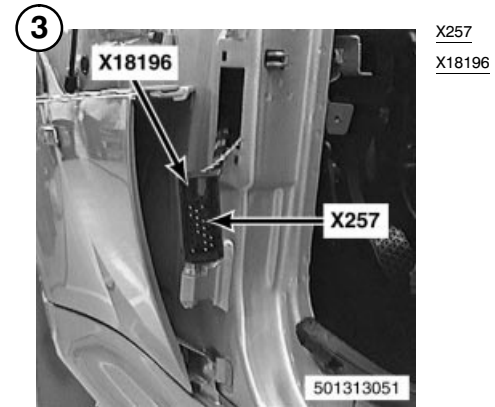
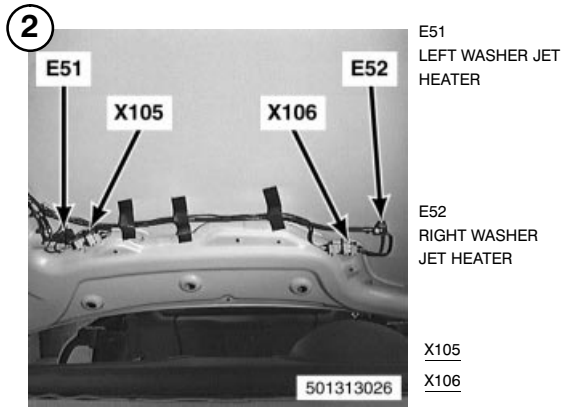
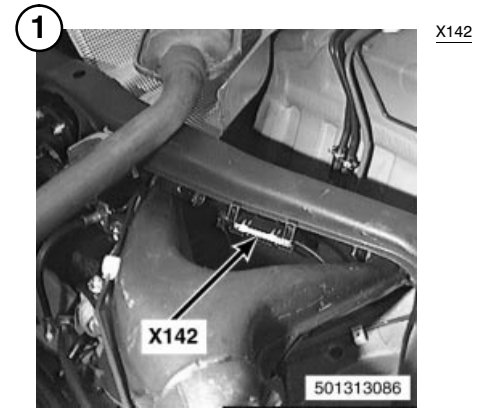
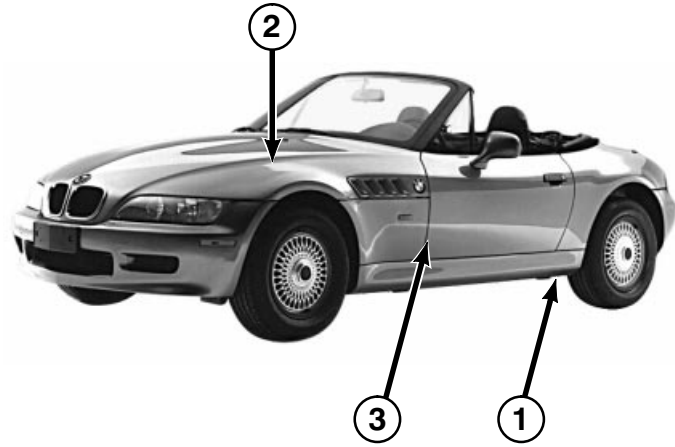
X62001

501313061

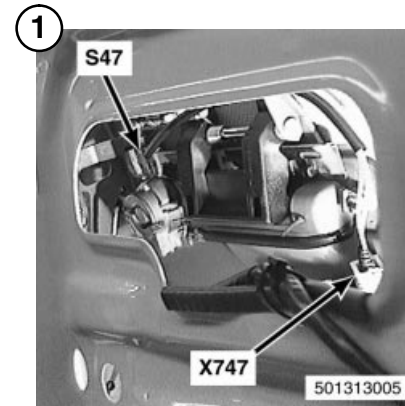
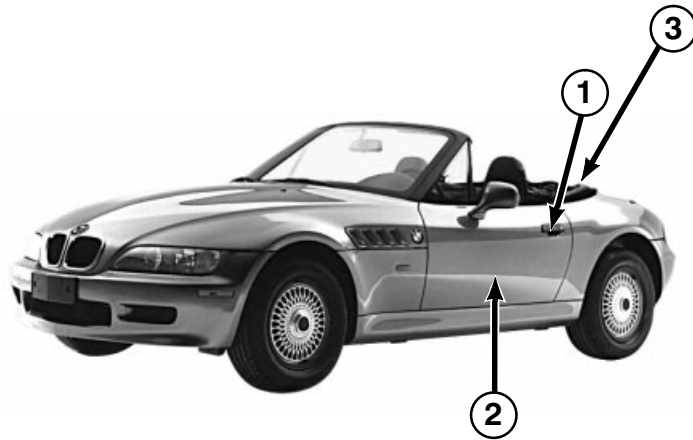
# COMPONENT LOCATION VIEWS



COMPONENT LOCATION VIEWS



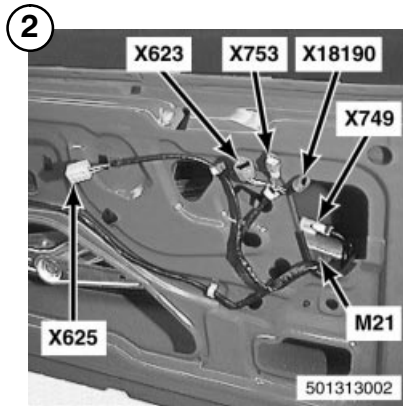
**COMPONENT LOCATION VIEWS**



S47  
DRIVER'S DOOR  
LOCK SWITCH

X747

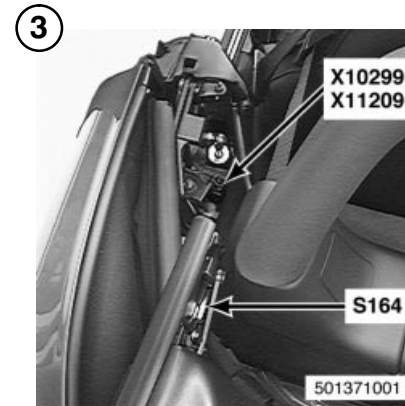
501313005



M21  
DRIVER'S WINDOW  
MOTOR

X623  
X625  
X749  
X753  
X18190

501313002

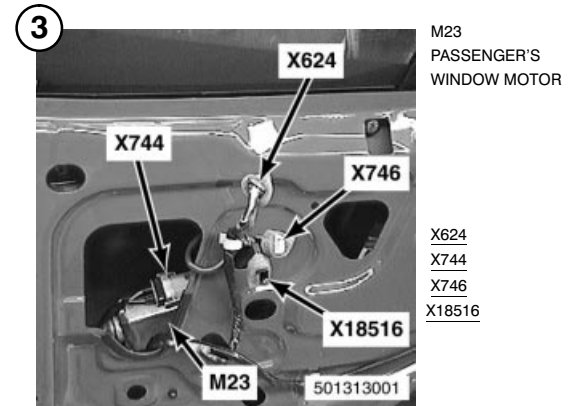
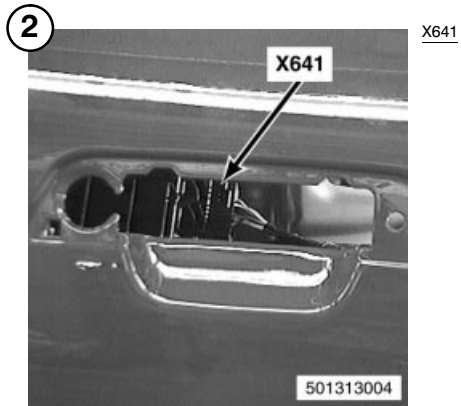
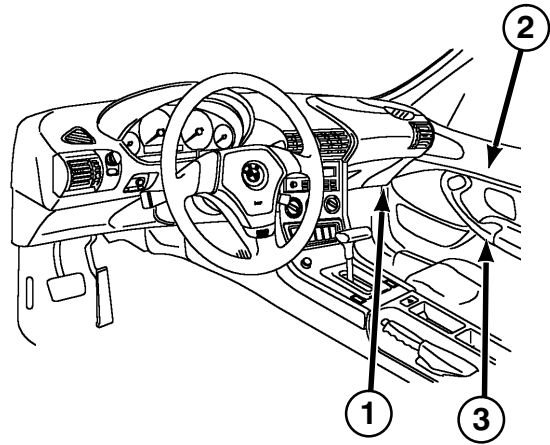


S164  
CONVERTIBLE TOP  
END-POSITION  
MICRO SWITCH

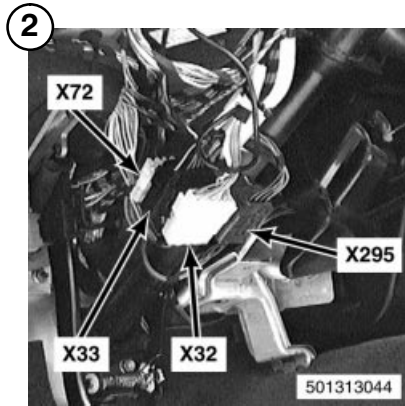
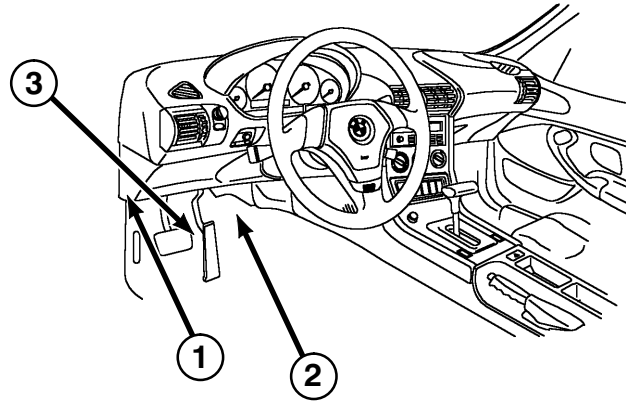
X10299  
X11209

501371001

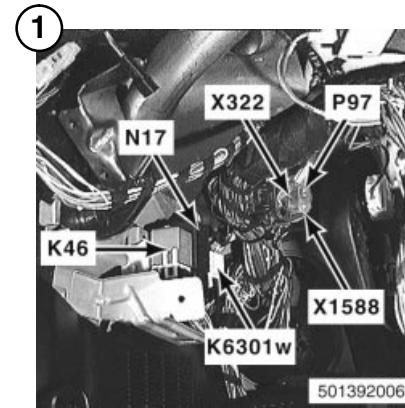
# COMPONENT LOCATION VIEWS



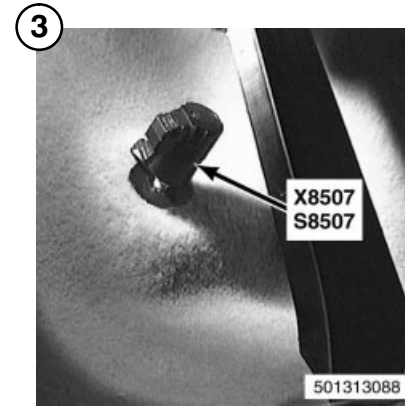
# COMPONENT LOCATION VIEWS



X32  
X33  
X72  
X295

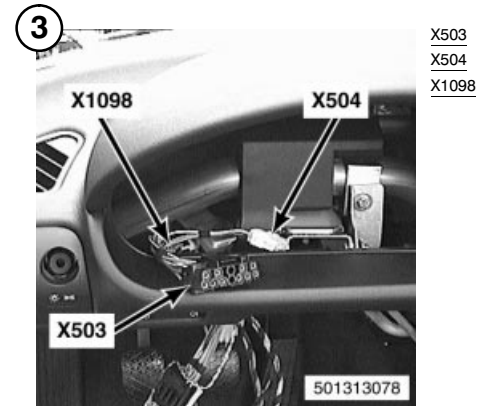
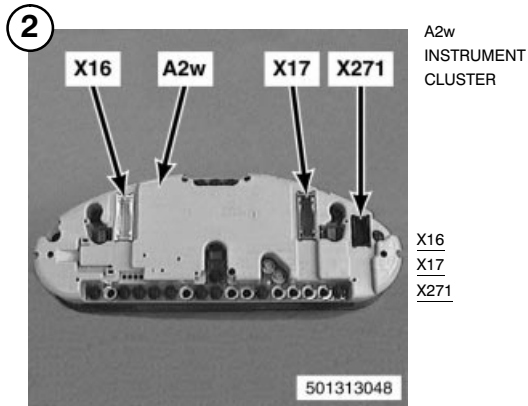
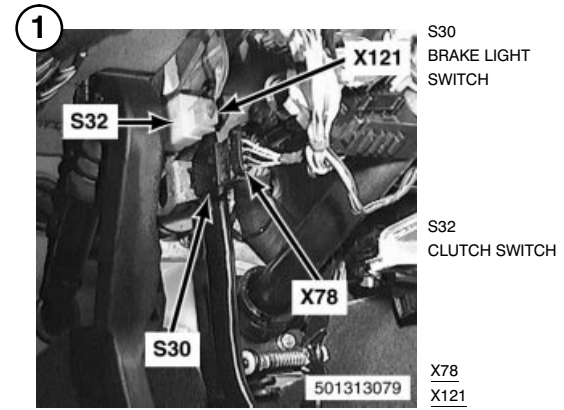
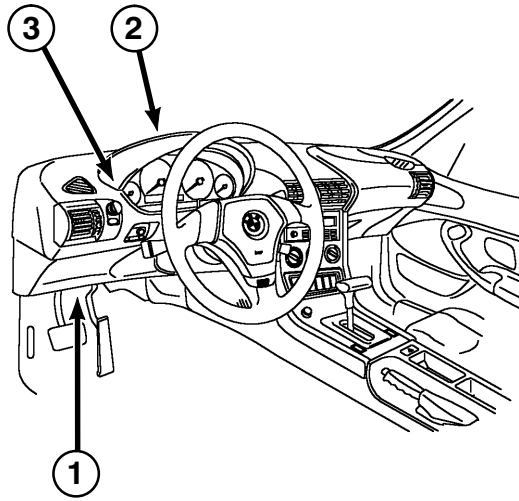


K46 HIGH BEAM LIGHT RELAY  
N17 CRASH CONTROL MODULE  
X322  
P97 AUXILIARY FUSE BOX  
K6301w FUEL PUMP RELAY  
X1588

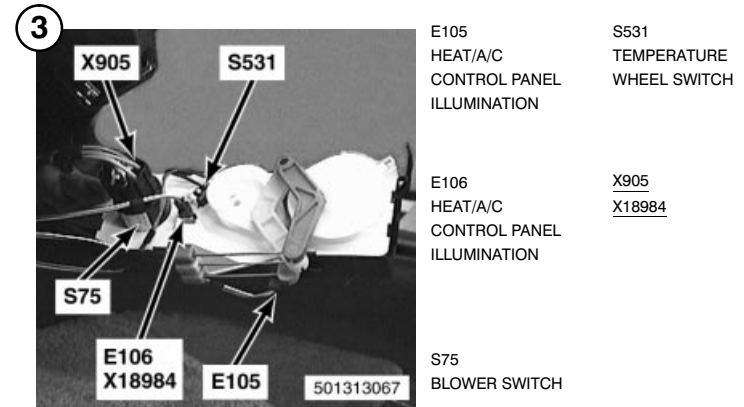
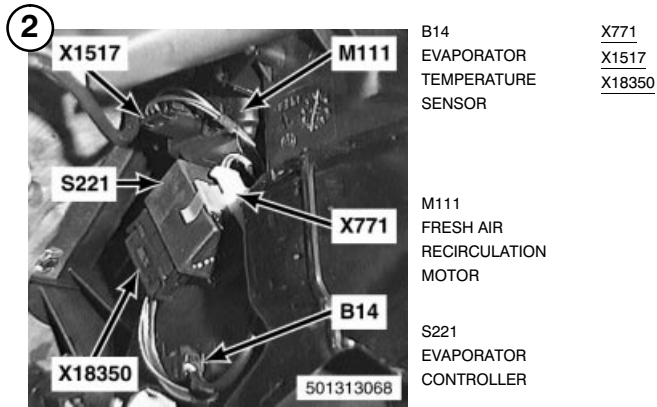
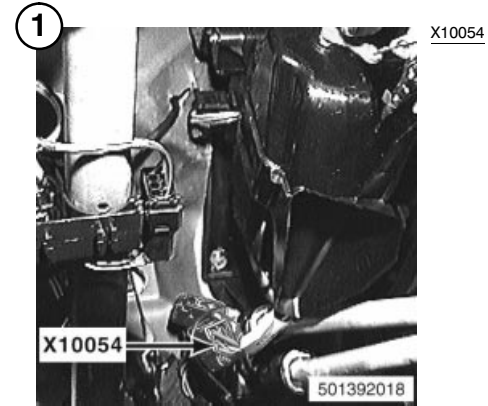
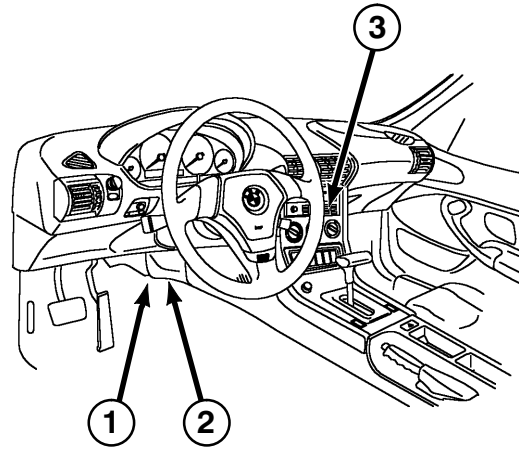


S8507 KICK-DOWN SWITCH  
X8507

# COMPONENT LOCATION VIEWS

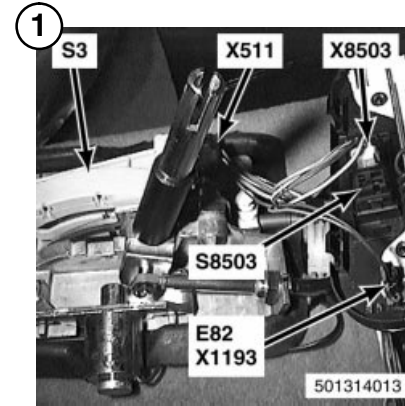
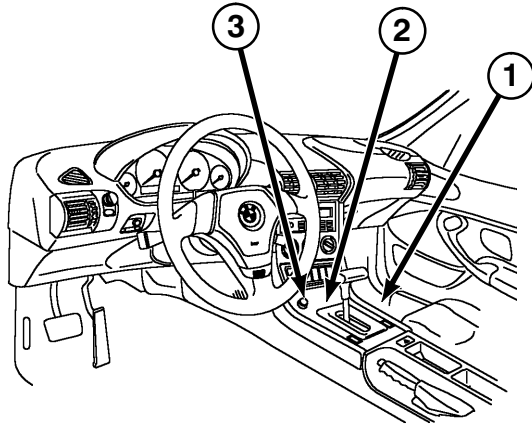


COMPONENT LOCATION VIEWS





# COMPONENT LOCATION VIEWS



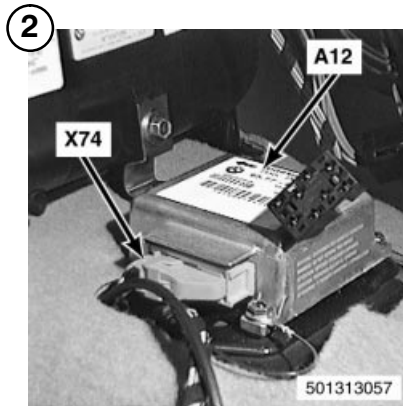
E82  
TRANSMISSION  
POSITION INDICA-  
TOR LIGHT

X511  
X1193  
X8503

S3  
AUTOMATIC  
TRANSMISSION  
RANGE SWITCH

S8503  
PROGRAM SWITCH

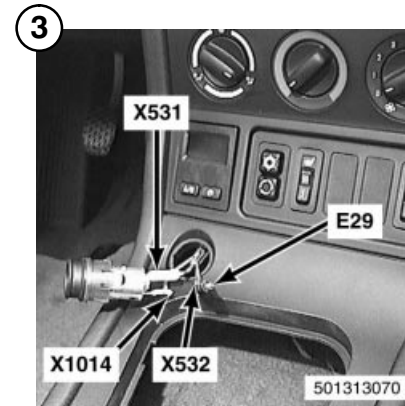
501314013



A12  
SUPPLEMENTAL  
RESTRAINT  
SYSTEM CONTROL  
MODULE

X74

501313057

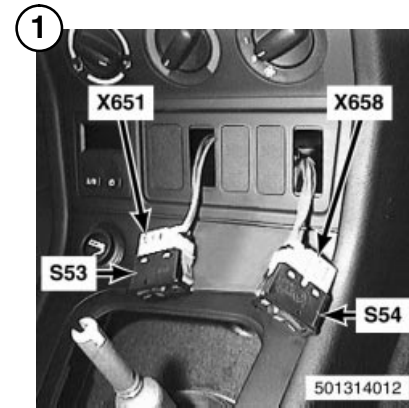
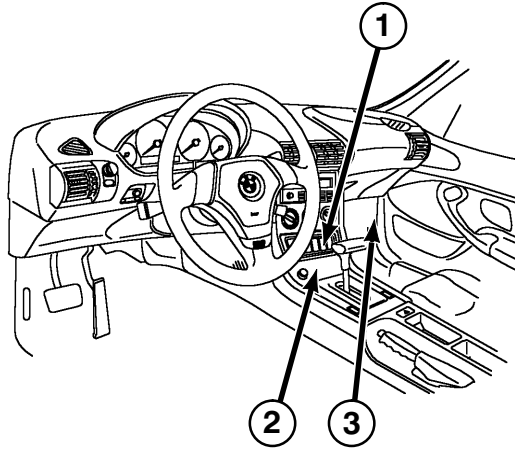


E29  
FRONT CIGAR  
LIGHTER LIGHT

X531  
X532  
X1014

501313070

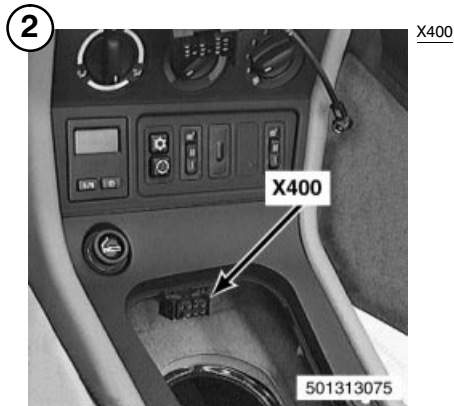
COMPONENT LOCATION VIEWS



S53  
DRIVER'S SEAT,  
SEAT HEATER  
SWITCH

S54  
PASSENGER'S  
SEAT, SEAT  
HEATER SWITCH

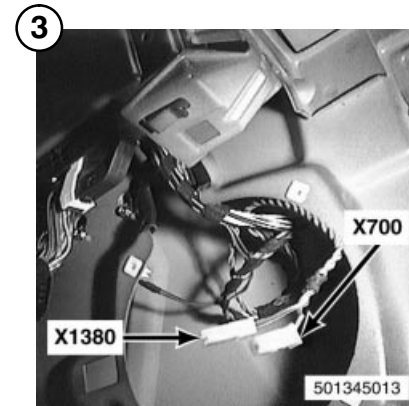
X651  
X658



X400

X400

501313075



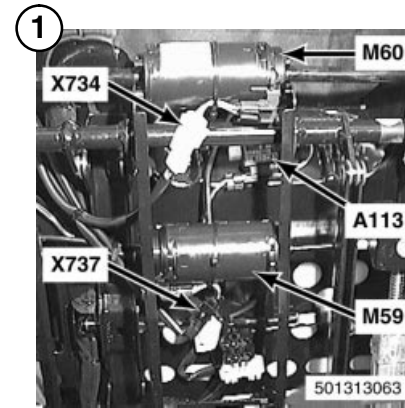
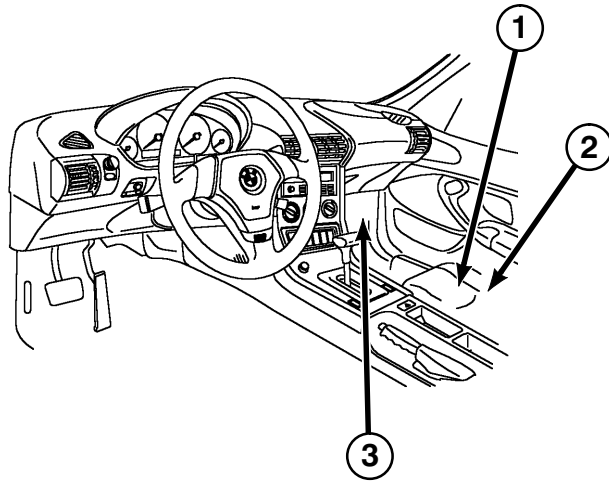
X700  
X1380

X700

X1380

501345013

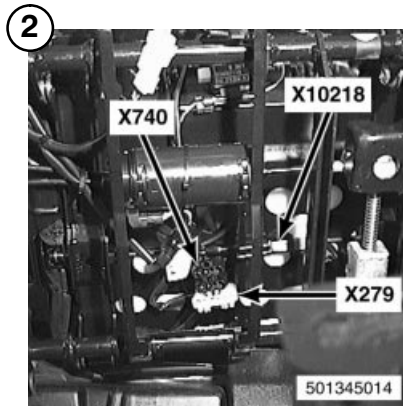
COMPONENT LOCATION VIEWS



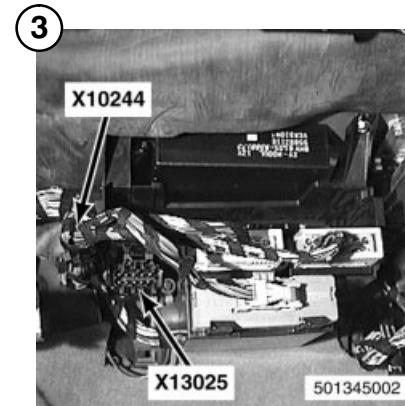
A113 SEAT OCCUPANCY DETECTOR X734  
X737

M59 PASSENGER'S SEAT HEIGHT MOTOR

M60 PASSENGER'S SEAT MOVEMENT MOTOR

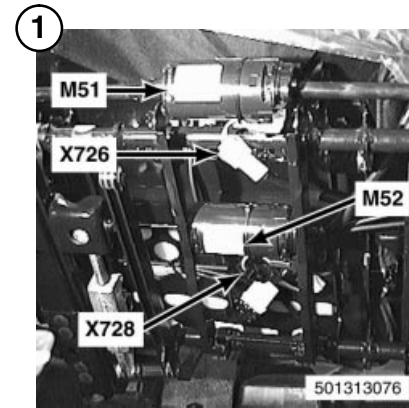
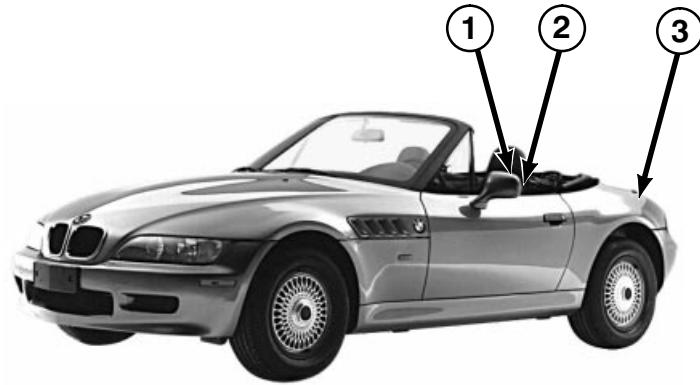


X279  
X740  
X10218



X10244  
X13025

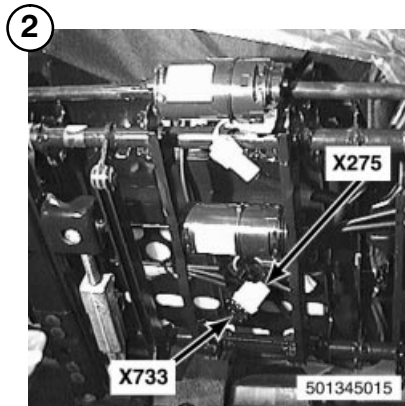
# COMPONENT LOCATION VIEWS



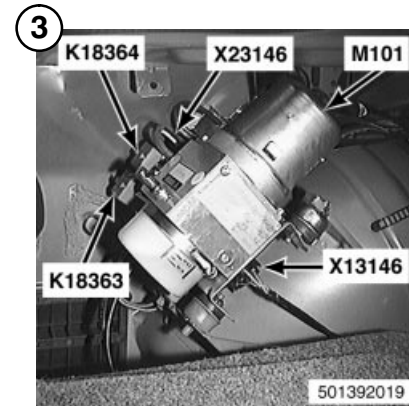
M51  
DRIVER'S SEAT  
MOVEMENT  
MOTOR

M52  
DRIVER'S SEAT  
HEIGHT MOTOR

X726  
X728



X275  
X733



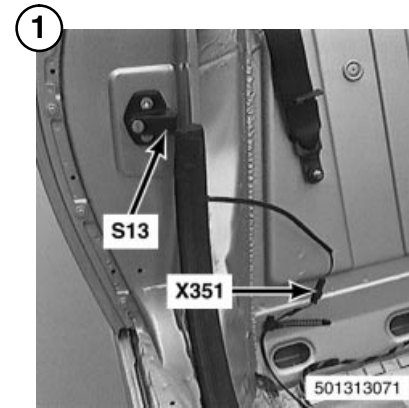
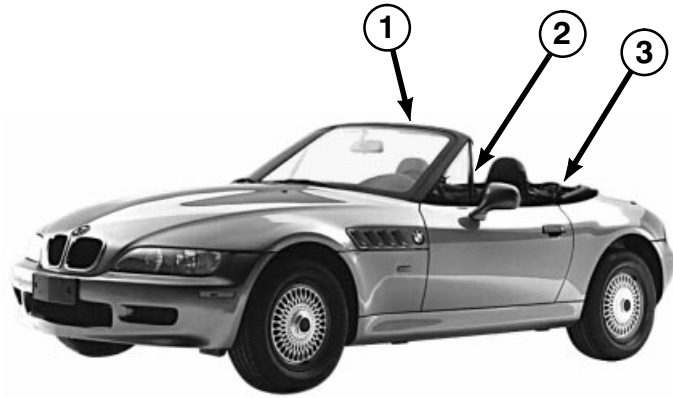
K18363  
CONVERTIBLE TOP  
RELAY I (CLOSE)

K18364  
CONVERTIBLE TOP  
RELAY II (OPEN)

M101  
CONVERTIBLE TOP  
MOTOR

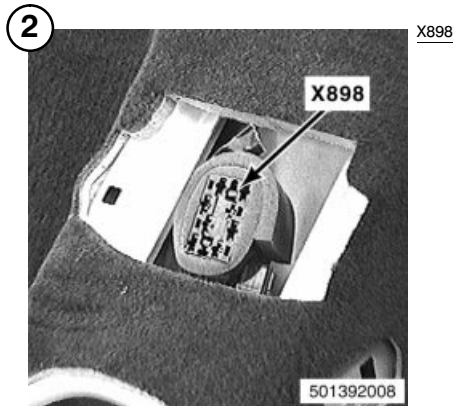
X13146  
X23146

# COMPONENT LOCATION VIEWS



S13  
PASSENGER'S  
DOOR JAMB  
SWITCH

X351

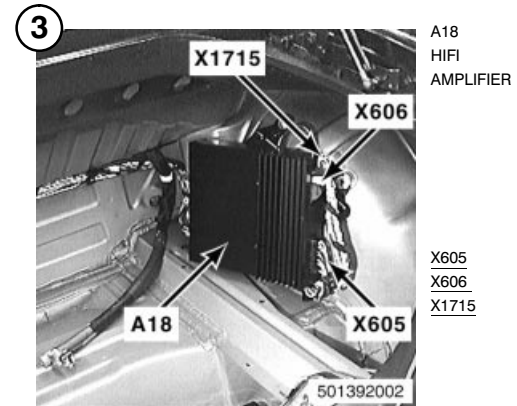
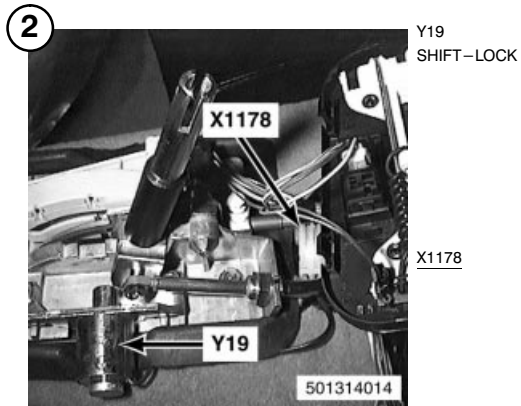
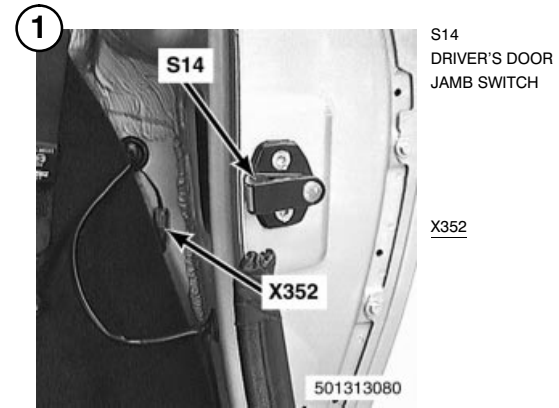
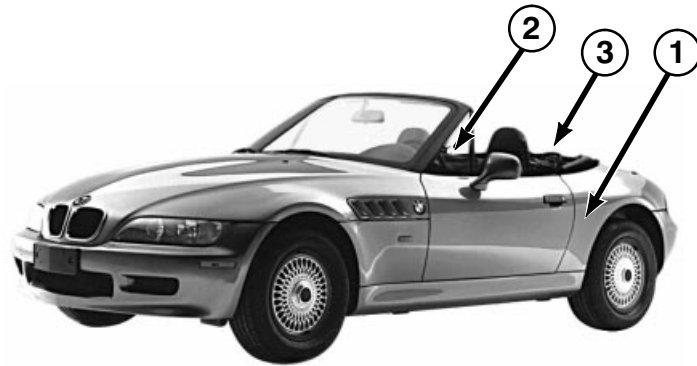


X898

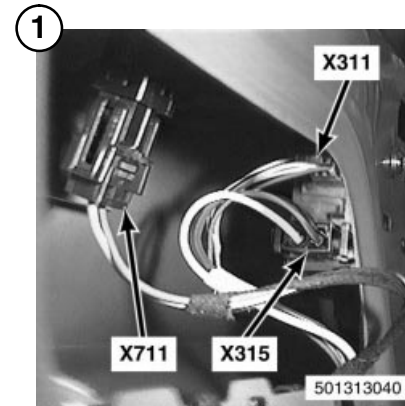
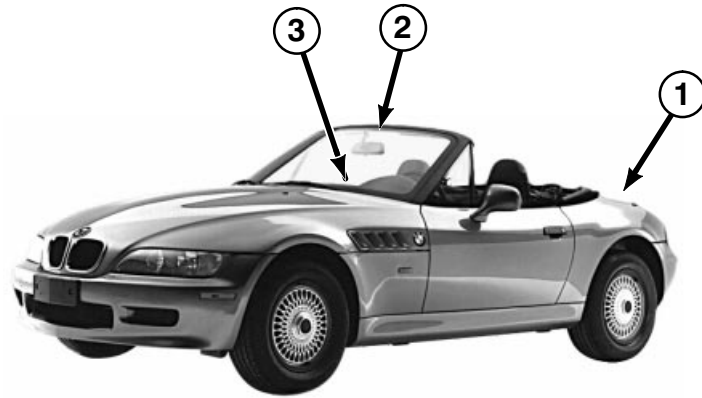


X10246  
X18774

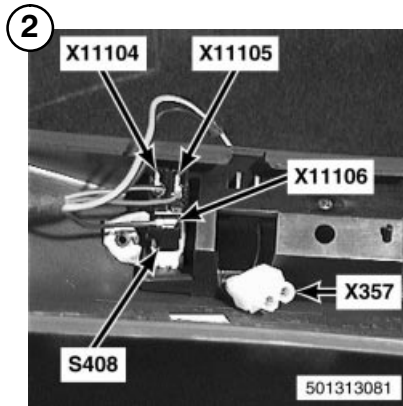
# COMPONENT LOCATION VIEWS



# COMPONENT LOCATION VIEWS

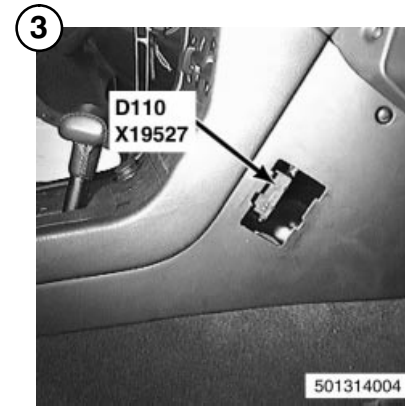


X311  
X315  
X711



S408  
SIDE LIGHT  
SWITCH

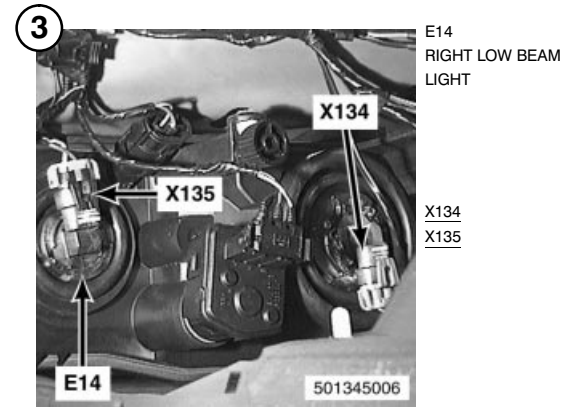
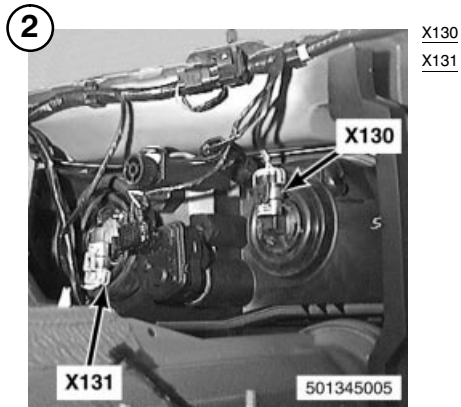
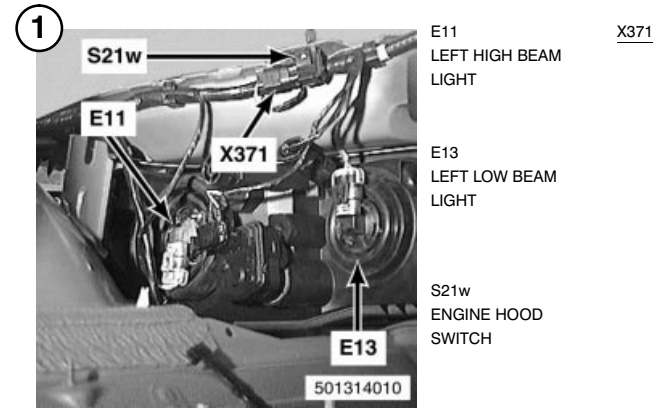
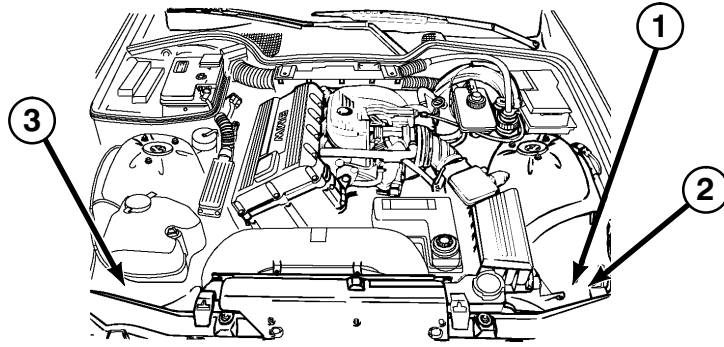
X357  
X11104  
X11105  
X11106



D110  
OBD II  
CONNECTOR

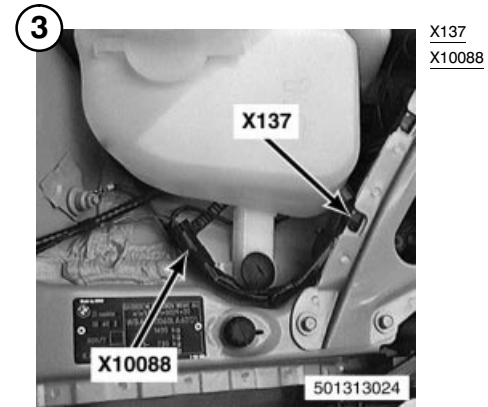
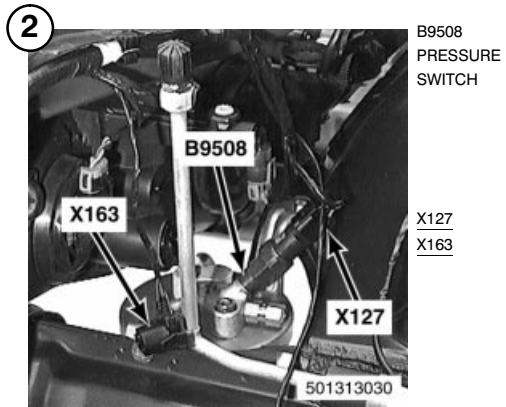
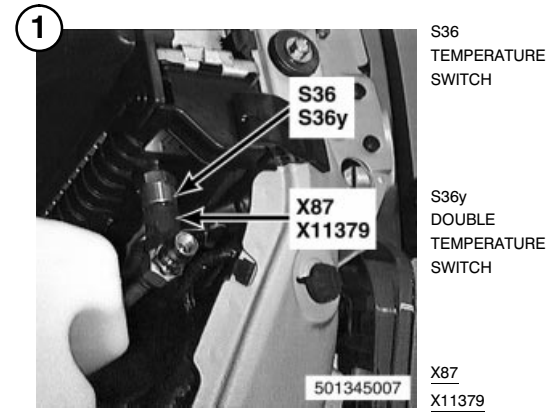
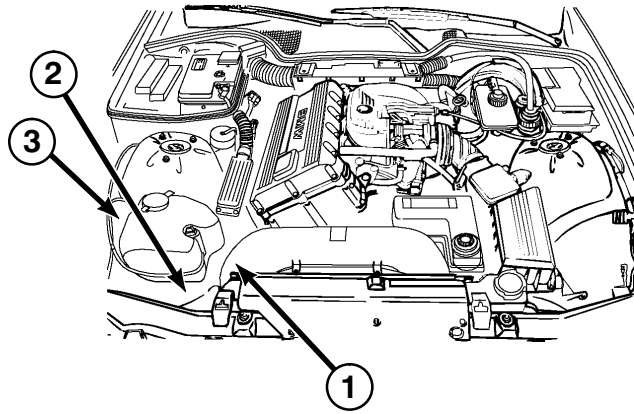
X19527

COMPONENT LOCATION VIEWS

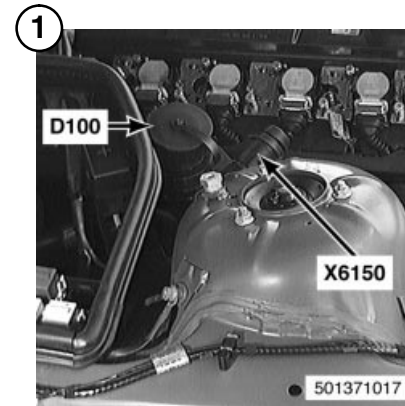
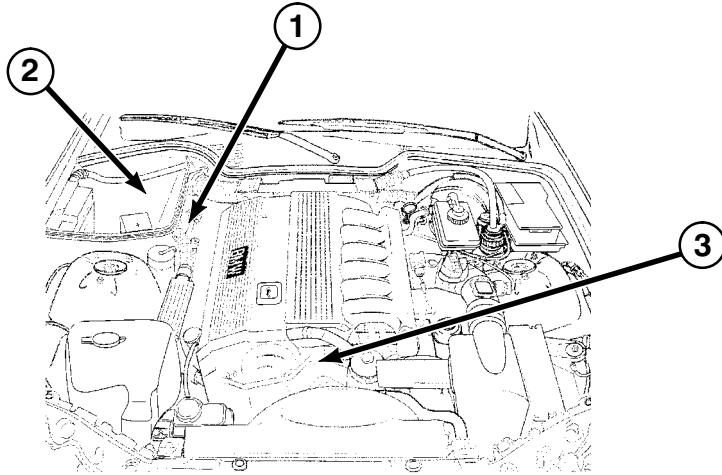




# COMPONENT LOCATION VIEWS



**COMPONENT LOCATION VIEWS**



D100  
DATA LINK  
CONNECTOR

X6150

X6150

501371017

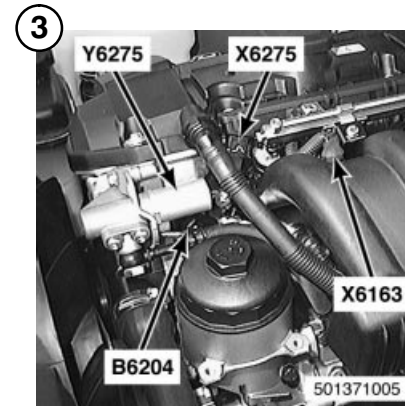


Y6133  
AIR PUMP

X6133

X6133

501371003



B6204  
CAMSHAFT  
POSITION SENSOR  
(CYLINDER IDENTIFICATION)

Y6275  
VARIABLE CAM-  
SHAFT CONTROL  
VALVE 1

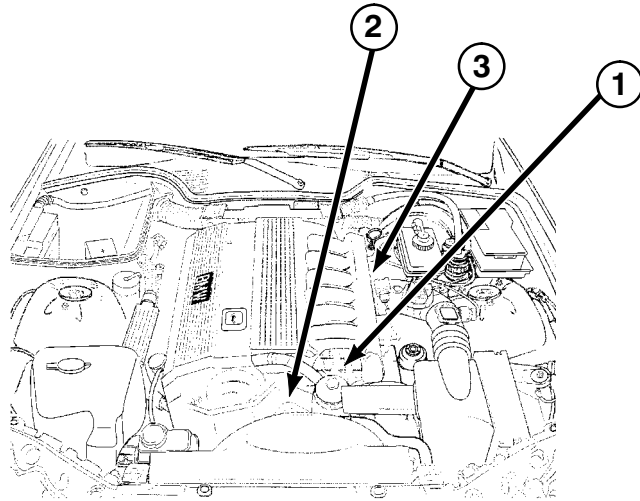
X6163  
X6275

B6204

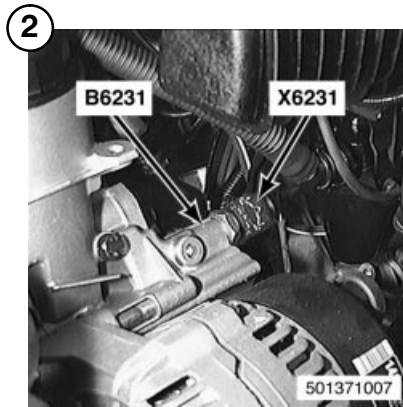
X6163

501371005

## COMPONENT LOCATION VIEWS

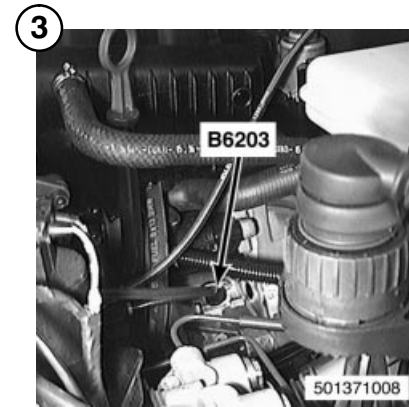


B6256  
DUAL  
TEMPERATURE  
SENSOR  
(COOLANT  
TEMPERATURE)



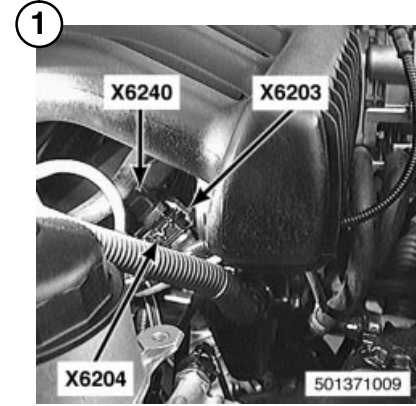
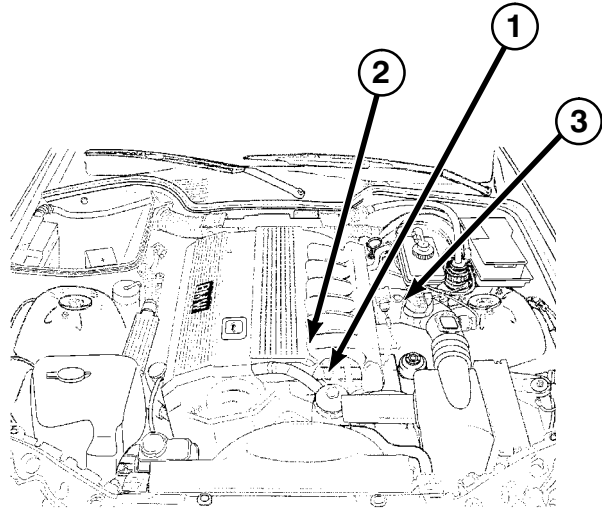
B6231  
OIL PRESSURE  
SWITCH

X6231

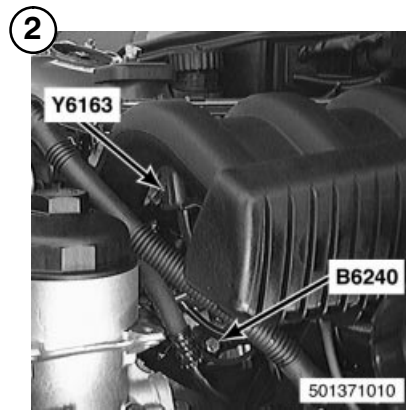


B6203  
CRANKSHAFT  
POSITION/RPM  
SENSOR

**COMPONENT LOCATION VIEWS**



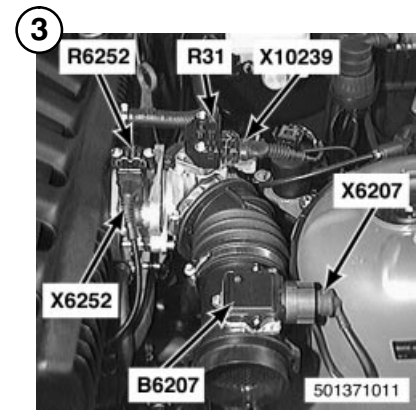
X6203  
X6204  
X6240



B6240  
KNOCK SENSOR

Y6163  
SECONDARY AIR  
PUMP VALVE

501371010



B6207  
HOT FILM AIR  
MASS METER

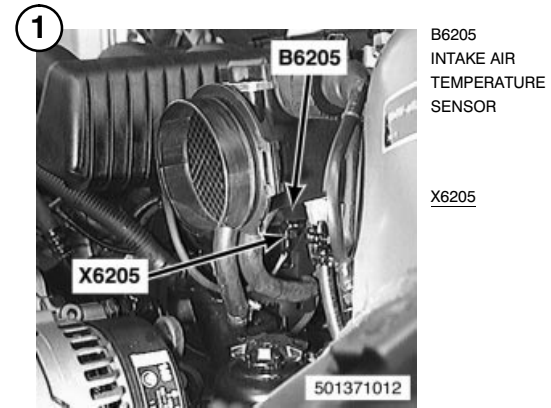
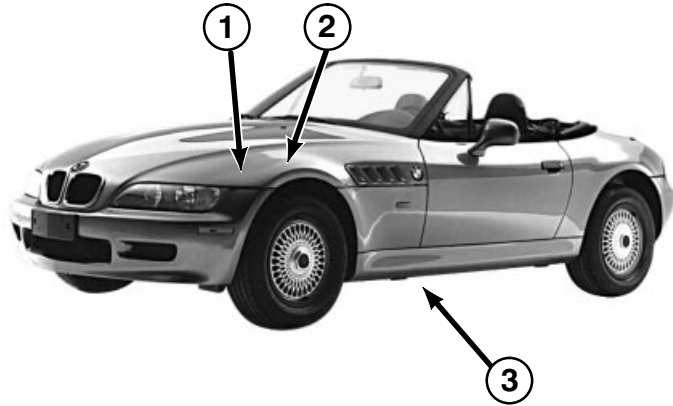
X6207  
X6252  
X10239

R31  
AUXILIARY  
THROTTLE  
POSITION SENSOR

R6252  
THROTTLE  
POSITION SENSOR

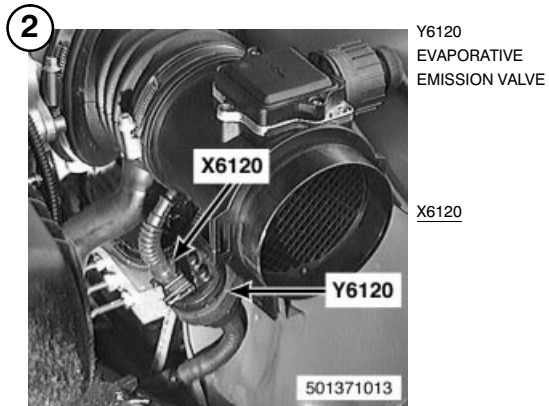
501371011

# COMPONENT LOCATION VIEWS



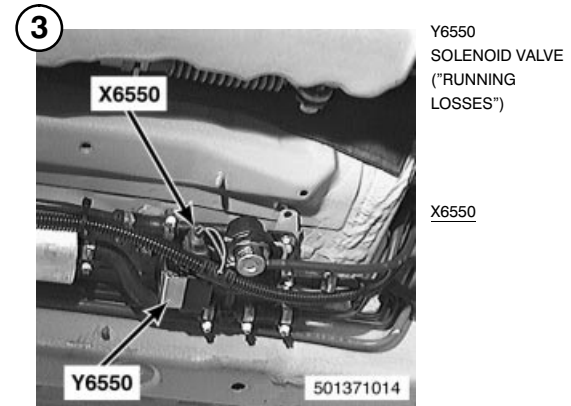
B6205  
INTAKE AIR  
TEMPERATURE  
SENSOR

X6205



Y6120  
EVAPORATIVE  
EMISSION VALVE

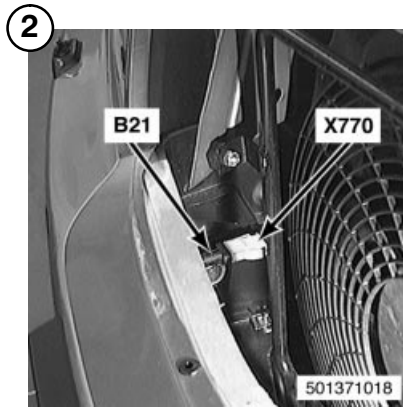
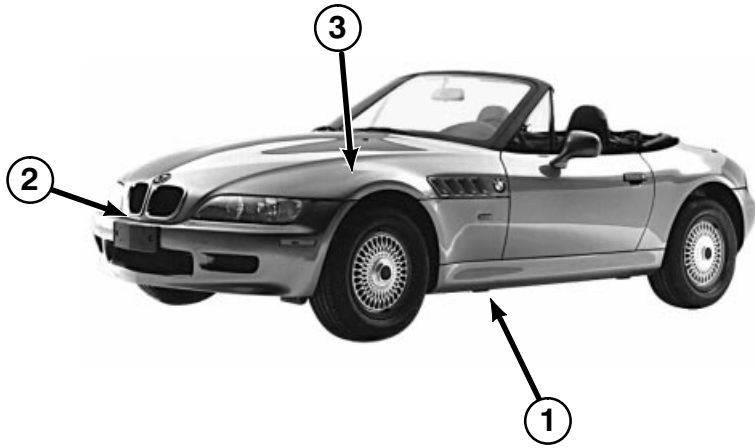
X6120



Y6550  
SOLENOID VALVE  
("RUNNING  
LOSSES")

X6550

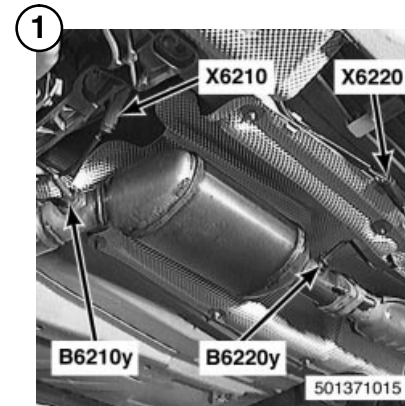
# COMPONENT LOCATION VIEWS



B21  
ON-BOARD  
COMPUTER  
TEMPERATURE  
SENSOR

X770

501371018

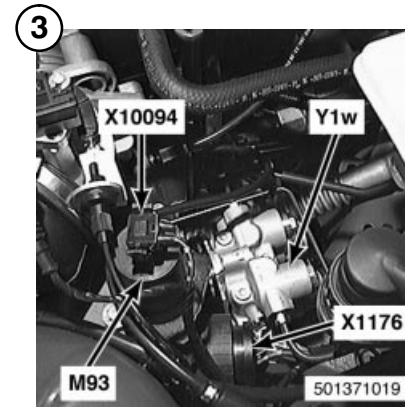


B6210y  
OXYGEN SENSOR  
(IN FRONT OF  
CATALYTIC  
CONVERTER)

B6220y  
OXYGEN SENSOR  
(BEHIND  
CATALYTIC  
CONVERTER)

X6210  
X6220

501371015



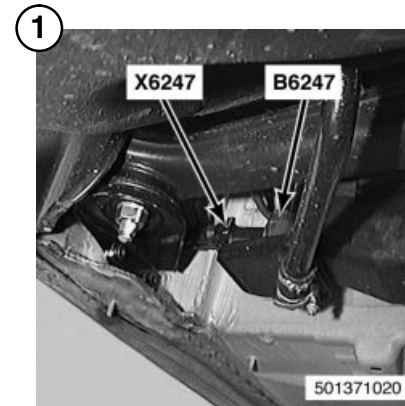
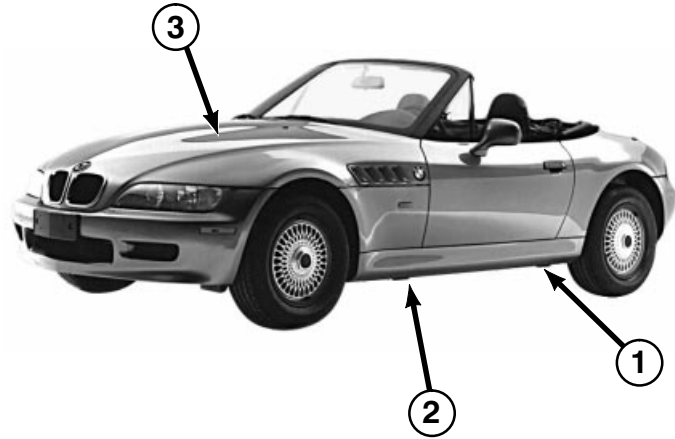
M93  
AUXILIARY  
THROTTLE  
POSITION MOTOR  
(ADS)

Y1w  
ABS HYDRAULIC  
UNIT

X1176  
X10094

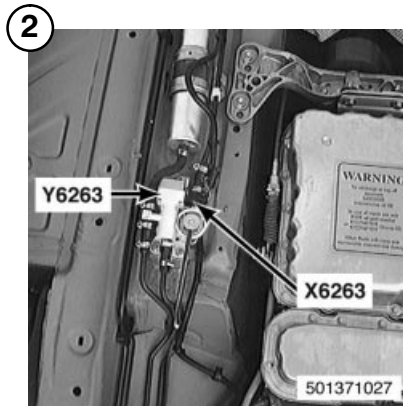
501371019

# COMPONENT LOCATION VIEWS



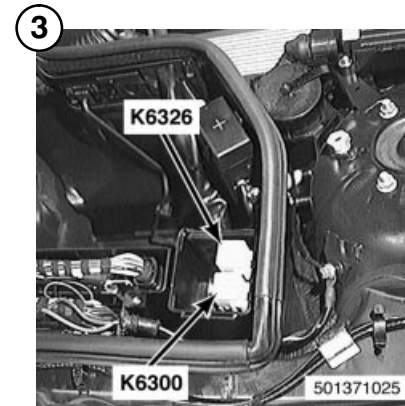
B6247  
CHARCOAL FILTER  
SHUT-OFF VALVE

X6247



Y6263  
FUEL CHANGE-  
OVER VALVE

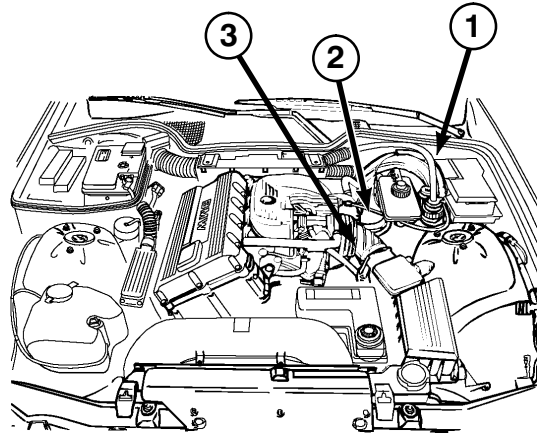
X6263



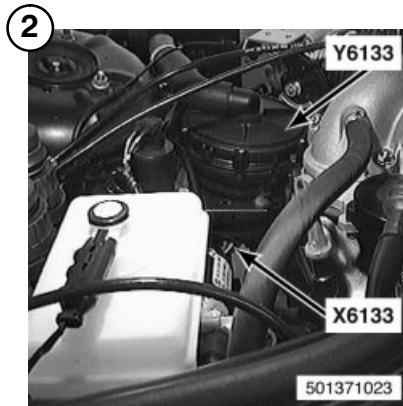
K6300  
ENGINE CONTROL  
MODULE RELAY

K6326  
UNLOADER RELAY,  
TERMINAL 15

# COMPONENT LOCATION VIEWS



K6304  
SECONDARY AIR  
PUMP RELAY

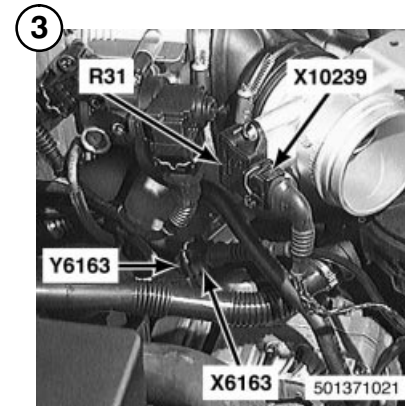


Y6133  
AIR PUMP

X6133

X6133

501371023



R31  
AUXILIARY  
THROTTLE  
POSITION SENSOR

Y6163  
SECONDARY AIR  
PUMP VALVE

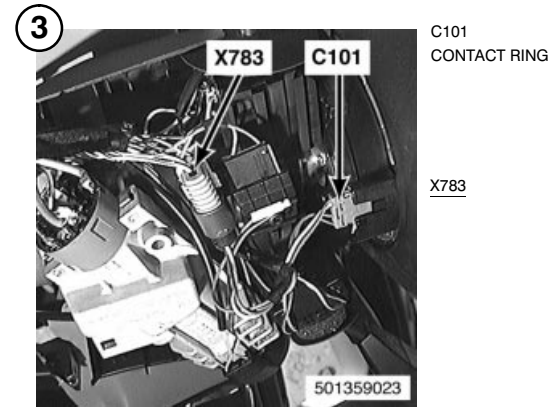
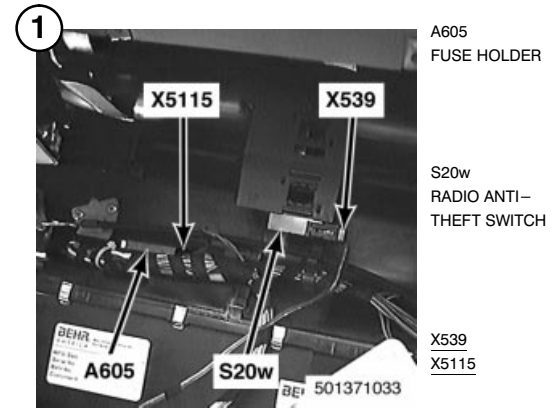
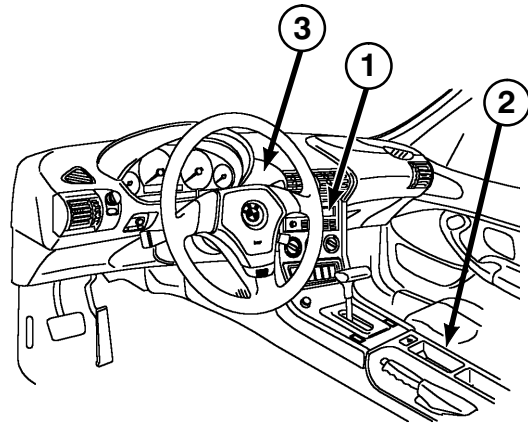
X6163  
X10239

X6163

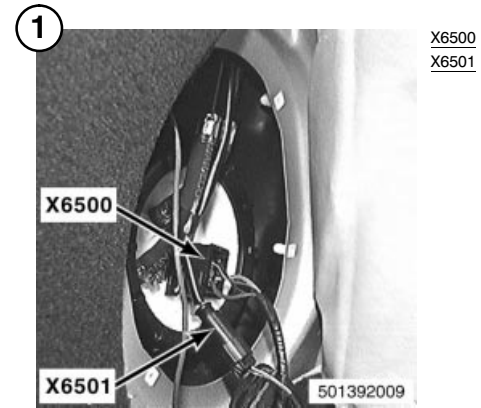
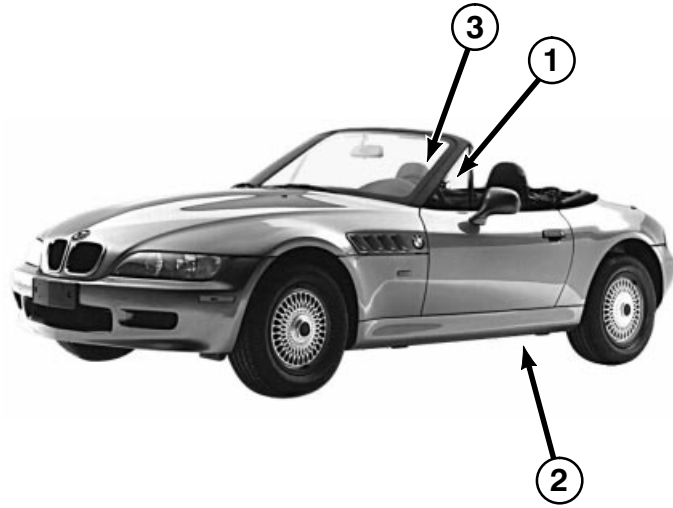
501371021



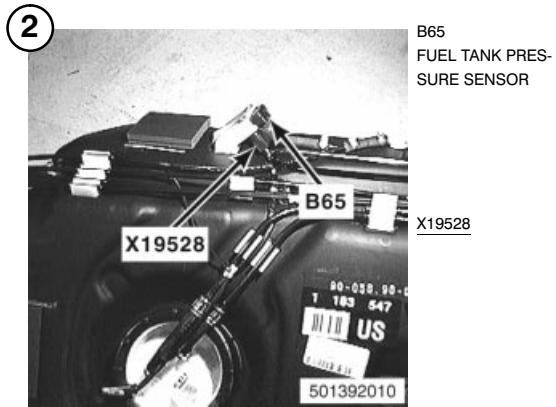
**COMPONENT LOCATION VIEWS**



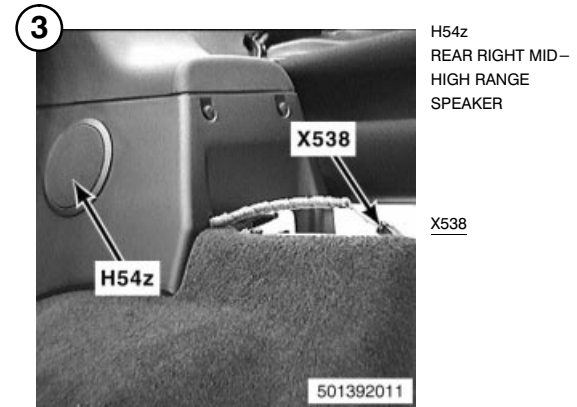
COMPONENT LOCATION VIEWS



X6500  
X6501



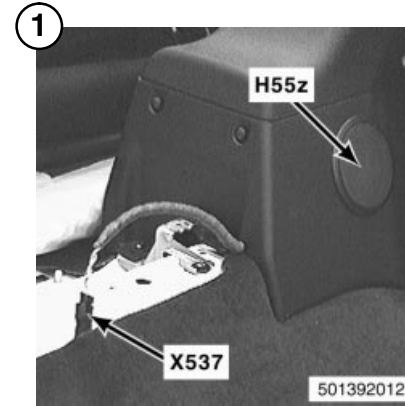
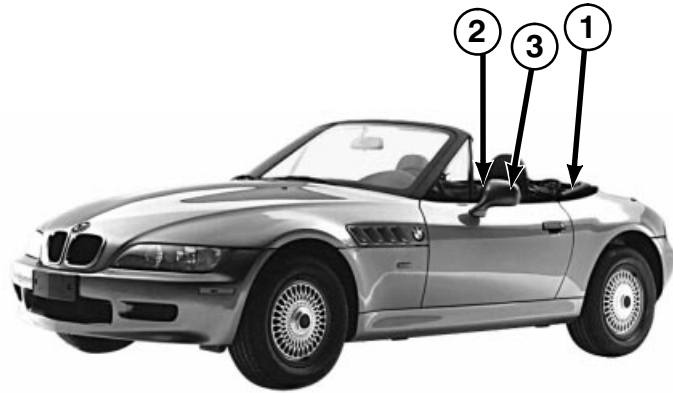
B65  
FUEL TANK PRES-  
SURE SENSOR



H54z  
REAR RIGHT MID-  
HIGH RANGE  
SPEAKER

X538

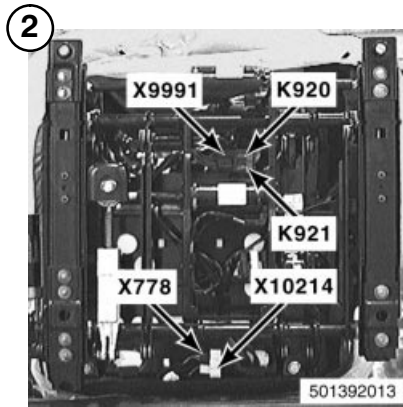
COMPONENT LOCATION VIEWS



H55z  
REAR LEFT MID-HIGH RANGE  
SPEAKER

X537

501392012

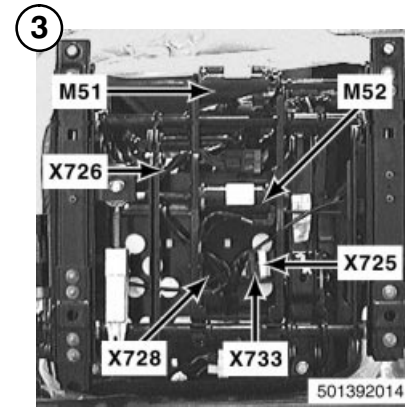


K920  
DRIVER'S SEAT  
TILT ADJUST CUT-OFF RELAY

K921  
DRIVER'S SEAT  
LENGTH ADJUST  
CUT-OFF RELAY

X778  
X9991  
X10214

501392013



M51  
DRIVER'S SEAT  
MOVEMENT  
MOTOR

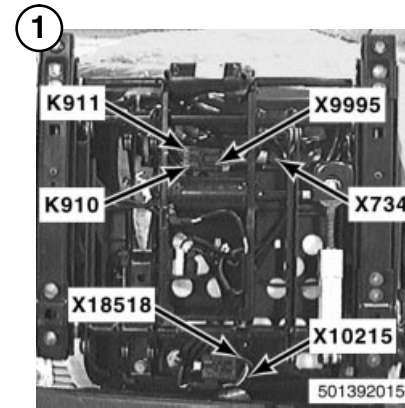
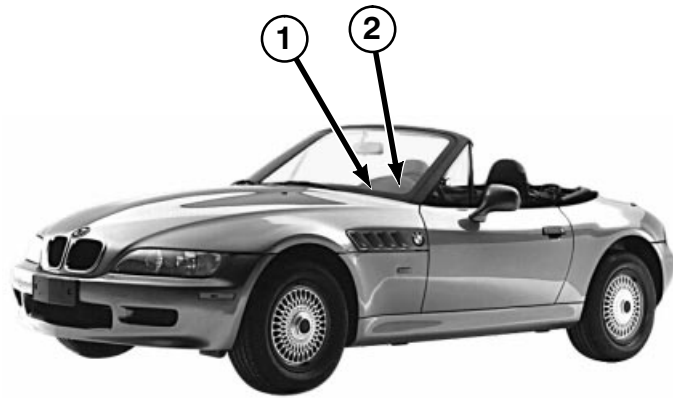
M52  
DRIVER'S SEAT  
HEIGHT MOTOR

X275  
X726  
X728  
X733

501392014



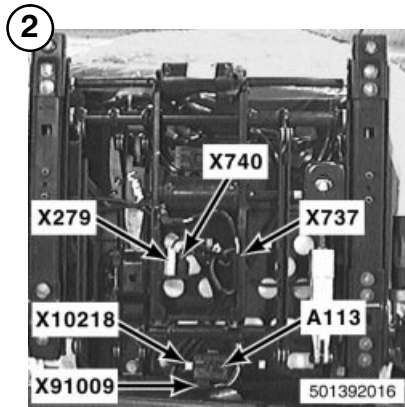
# COMPONENT LOCATION VIEWS



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



Z3

# SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
X181–X188	BODY	8000.0-03	X849–X851	DRIVER'S DOOR	8000.0-04
X189	IHKS	8000.0-03	X876–X877	RADIO/HIFI/CD	8000.0-04
X191–X196	BODY	8000.0-03	X878–X888	BODY	8000.0-03
X197	BODY	8000.0-04	X942	PASSENGER'S DOOR	8000.0-04
X203–X223	BODY	8000.0-03	X985	IHKS	8000.0-03
X228	BODY	8000.0-04	X1015–X1019	BODY	8000.0-03
X245–X246	BODY	8000.0-03	X1022–X1047	BODY	8000.0-03
X443	BODY	8000.0-03	X1055	BODY	8000.0-04
X444	BODY	8000.0-04	X1066–X1079	BODY	8000.0-03
X445	BODY	8000.0-03	X1091	BODY	8000.0-04
X449	BODY	8000.0-04	X1100–X1115	BODY	8000.0-03
X450	BODY	8000.0-03	X1149	BODY	8000.0-04
X453–X460	BODY	8000.0-04	X1152–X1164	BODY	8000.0-03
X461	BODY	8000.0-03	X1167	BODY	8000.0-04
X462–X465	BODY	8000.0-04	X1168–X1186	BODY	8000.0-03
X470	BODY	8000.0-03	X1214	BODY	8000.0-03
X530	BODY	8000.0-03	X1225–X1226	BODY	8000.0-04
X576–X595	BODY	8000.0-03	X1234–X1238	BODY	8000.0-04
X697–X699	BODY	8000.0-03	X1258	BODY	8000.0-03
X805	BODY	8000.0-04	X1263	BODY	8000.0-04
X806	BODY	8000.0-03	X1264	BODY	8000.0-03
X814–X818	IHKS	8000.0-03	X1280	BODY	8000.0-03
X824–X830	RADIO/HIFI/CD	8000.0-04	X1403	BODY	8000.0-03

03/98

8000.0-00

1997



Z3

# SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
X1429–X1435	IHKS	8000.0-03	X8000–X8015	M52 ENGINE	8000.0-06
X1541–X1542	BODY	8000.0-03	X8004–X8005	M44 ENGINE	8000.0-05
X1608	BODY	8000.0-04	X8008	M44 ENGINE	8000.0-05
X1610–X1616	BODY	8000.0-03	X8015	M44 ENGINE	8000.0-05
X1617–X1618	BODY	8000.0-04	X8038	M52 ENGINE	8000.0-06
X1620–X1625	BODY	8000.0-03	X8051	M52 ENGINE	8000.0-06
X2233	BODY	8000.0-03	X8056	M44 ENGINE	8000.0-05
X6410	M44 ENGINE	8000.0-05	X8071–X8074	M52 ENGINE	8000.0-06
X6411–X6415	M52 ENGINE	8000.0-06	X8073	M44 ENGINE	8000.0-05
X6420	M52 ENGINE	8000.0-06	X8090–X8091	M52 ENGINE	8000.0-06
X6458–X6460	M52 ENGINE	8000.0-06	X8103	M52 ENGINE	8000.0-06
X6460–X6492	M44 ENGINE	8000.0-05	X8564–X8565	M52 ENGINE	8000.0-06
X6475	M52 ENGINE	8000.0-06	X8564–X8576	M44 ENGINE	8000.0-05
X6492	M52 ENGINE	8000.0-06	X9430	BODY	8000.0-03
X6810	M52 ENGINE	8000.0-06	X9993	DRIVER'S SEAT	NOT SHOWN
X6820–X6822	M52 ENGINE	8000.0-06	X9997	PASSENGER'S SEAT	NOT SHOWN
X6820–X6823	M44 ENGINE	8000.0-05	X10008	BODY	8000.0-03
X6830–X6835	M52 ENGINE	8000.0-06	X10009	BODY	8000.0-04
X6832–X6891	M44 ENGINE	8000.0-05	X10014–X10055	BODY	8000.0-03
X6860–X6869	M52 ENGINE	8000.0-06	X10064	BODY	8000.0-04
X6900	M44 ENGINE	8000.0-05	X10100–X10126	BODY	8000.0-03
X6949	BODY	8000.0-03	X10169	M44 ENGINE	8000.0-05
X7845–X7846	M44 ENGINE	8000.0-05	X10189	BODY	8000.0-04

03/98

8000.0-01

1997



Z3

## SPLICE LOCATION VIEWS

---

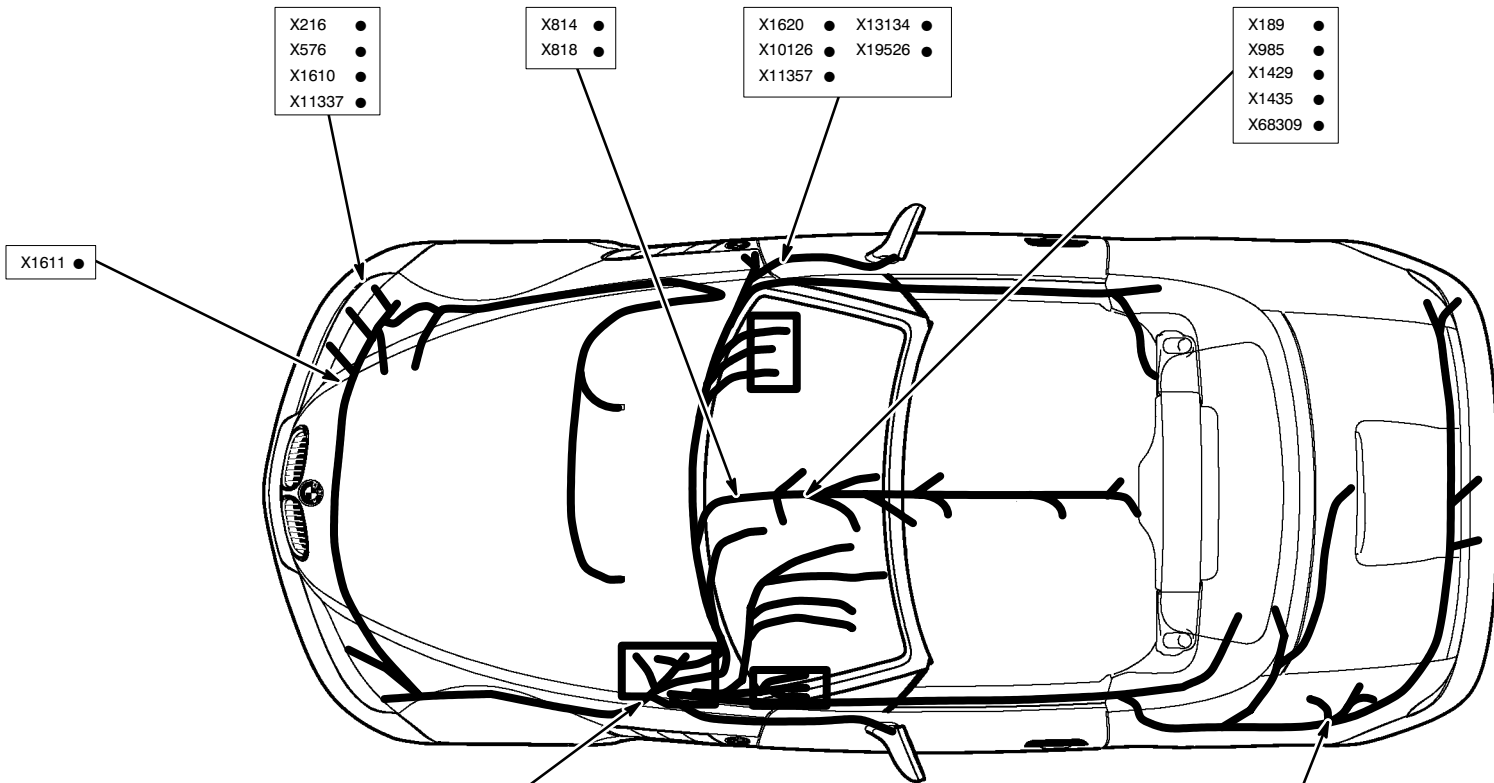
SPLICE	HARNESS	PAGE NUMBER
X10251–X10252 ...	BODY .....	8000.0-03
X11264–X11284 ...	BODY .....	8000.0-03
X11291 .....	BODY .....	8000.0-04
X11337–X11353 ...	BODY .....	8000.0-03
X11355 .....	BODY .....	8000.0-04
X11357 .....	BODY .....	8000.0-03
X13007 .....	BODY .....	8000.0-03
X13011–X13047 ...	BODY .....	8000.0-04
X13134 .....	BODY .....	8000.0-03
X13289 .....	BODY .....	8000.0-03
X18061 .....	BODY .....	8000.0-03
X19513 .....	RADIO/HIFI/CD .....	8000.0-04
X19002–X19004 ...	BODY .....	8000.0-04
X19526 .....	BODY .....	8000.0-03
X64109 .....	BODY .....	8000.0-03
X64119 .....	BODY .....	8000.0-03
X64129 .....	BODY .....	8000.0-03
X64591 .....	BODY .....	8000.0-04
X68309 .....	IHKS .....	8000.0-03
X80253 .....	M52 ENGINE .....	8000.0-06



# SPLICE LOCATION VIEWS

## BODY HARNESS

Z3



SPLICE PANEL							
X181	●	X246	●	X888	●	X1076	●
X182	●	X443	●	X1015	●	X1079	●
X183	●	X445	●	X1019	●	X1100	●
X184	●	X450	●	X1022	●	X1107	●
X185	●	X461	●	X1027	●	X1115	●
X188	●	X470	●	X1028	●	X1152	●
X191	●	X530	●	X1029	●	X1159	●
X195	●	X595	●	X1036	●	X1163	●
X196	●	X697	●	X1047	●	X1164	●
X203	●	X698	●	X1066	●	X1168	●
X213	●	X699	●	X1067	●	X1169	●
X223	●	X806	●	X1069	●	X1182	●
X245	●	X878	●	X1073	●	X1186	●
				X1076	●	X1258	●
				X1079	●	X1264	●
				X1100	●	X1280	●
				X1107	●	X10024	●
				X1115	●	X1403	●
				X1152	●	X10027	●
				X1159	●	X1541	●
				X1163	●	X10048	●
				X1164	●	X1542	●
				X1168	●	X10055	●
				X1169	●	X1614	●
				X9430	●	X10100	●
				X11282	●	X1616	●
				X11283	●	X10251	●
				X11284	●	X2233	●
				X10021	●	X10252	●
				X10022	●	X6949	●
				X10024	●	X11264	●
				X10027	●	X1264	●
				X18061	●	X1282	●
				X64109	●	X10008	●
				X64119	●	X11283	●
				X64129	●	X10008	●
						X11283	●
						X11284	●

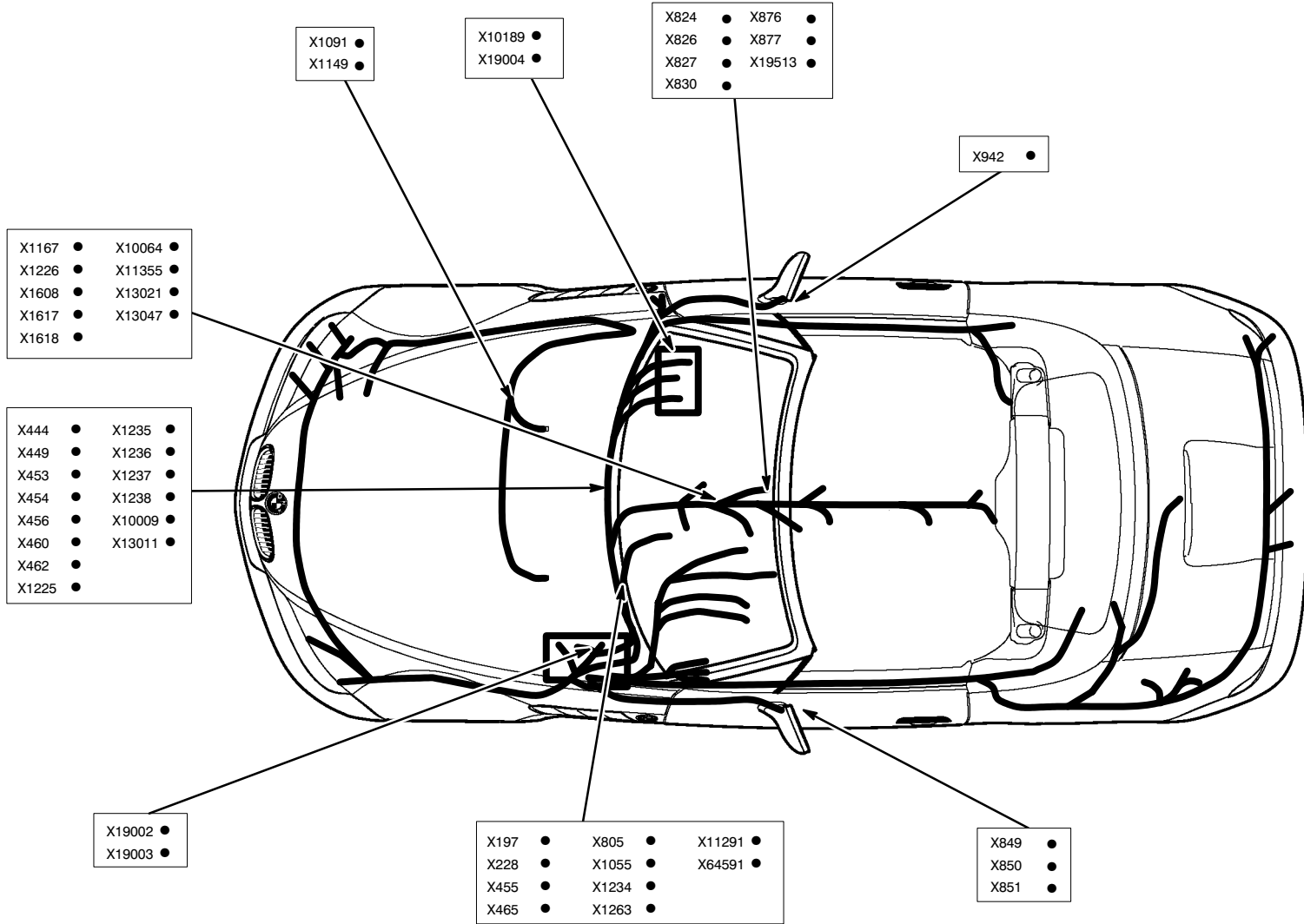




# SPLICE LOCATION VIEWS

## BODY HARNESS

Z3

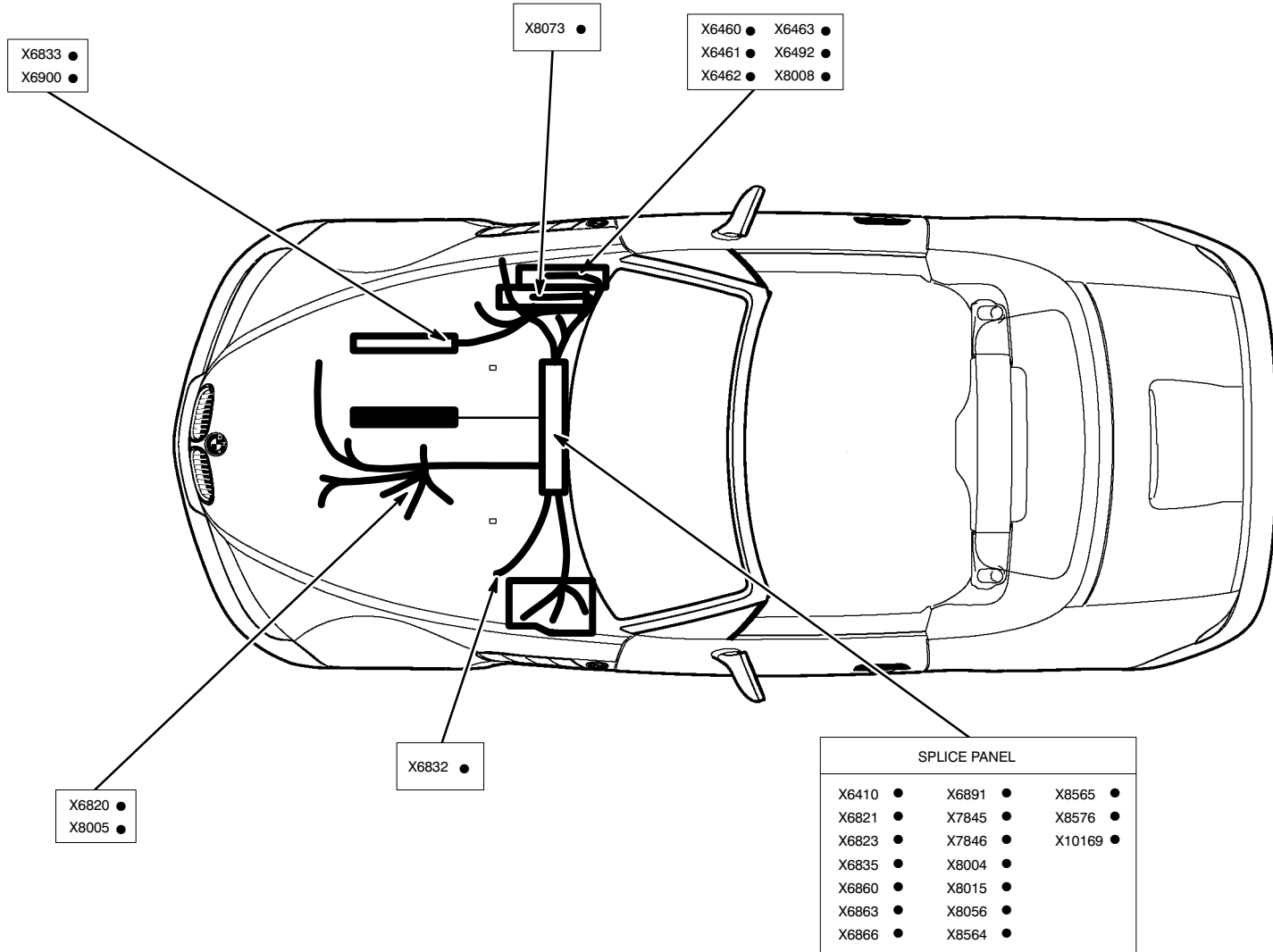




Z3

# SPLICE LOCATION VIEWS

## ENGINE HARNESS M44

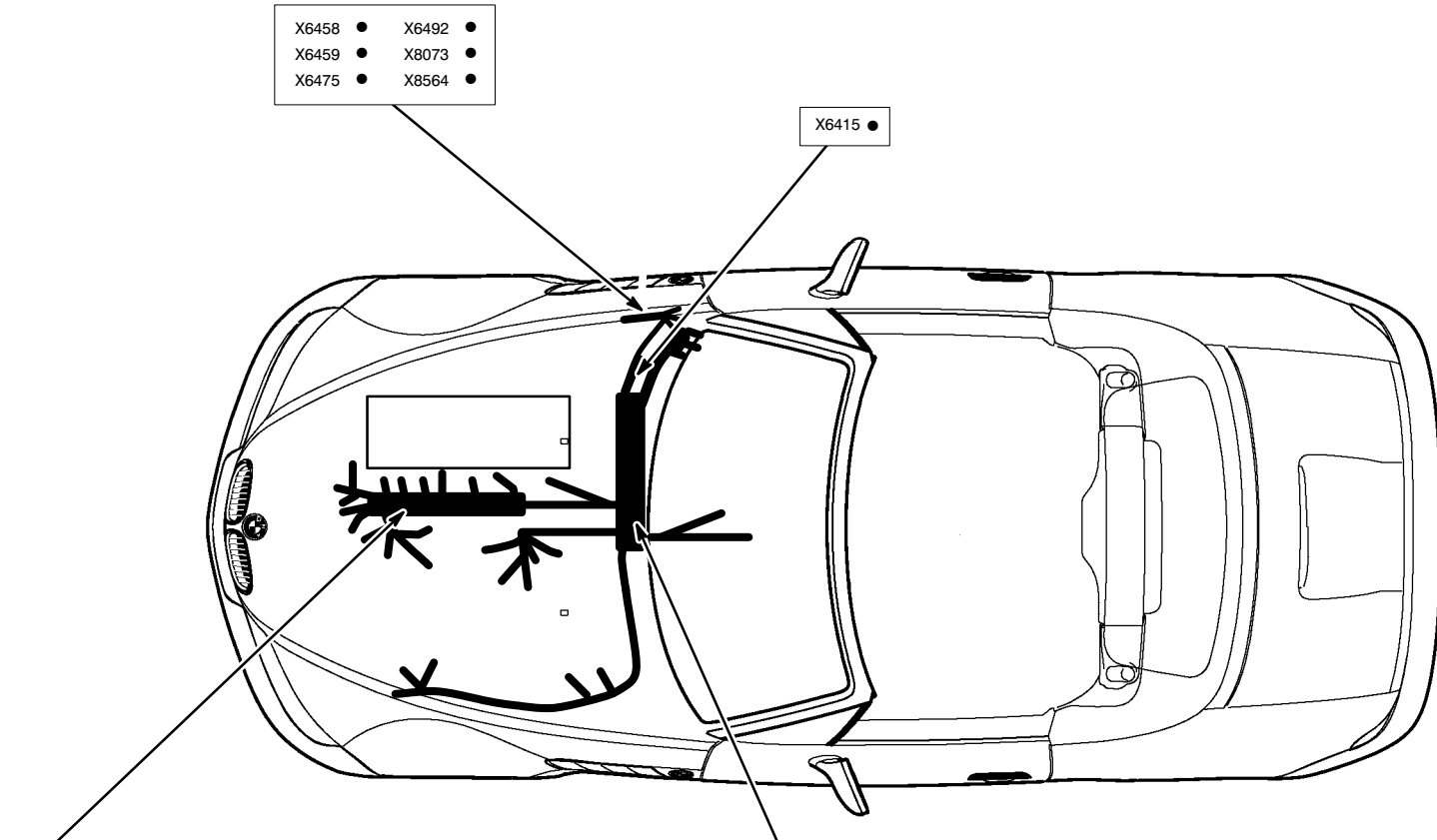




Z3

# SPLICE LOCATION VIEWS

## ENGINE HARNESS M52



- X6458 ● X6492 ●
- X6459 ● X8073 ●
- X6475 ● X8564 ●

X6415 ●

X6820 ●

SPLICE PANEL			
X6411 ●	X6822 ●	X6869 ●	X8071 ●
X6412 ●	X6830 ●	X8000 ●	X8072 ●
X6413 ●	X6832 ●	X8004 ●	X8074 ●
X6414 ●	X6835 ●	X8007 ●	X8090 ●
X6420 ●	X6860 ●	X8010 ●	X8091 ●
X6460 ●	X6863 ●	X8015 ●	X8103 ●
X6810 ●	X6867 ●	X8038 ●	X8565 ●
X6821 ●	X6868 ●	X8051 ●	X80253 ●



Z3

# CONNECTOR VIEWS

FIG. 1

B880001.00

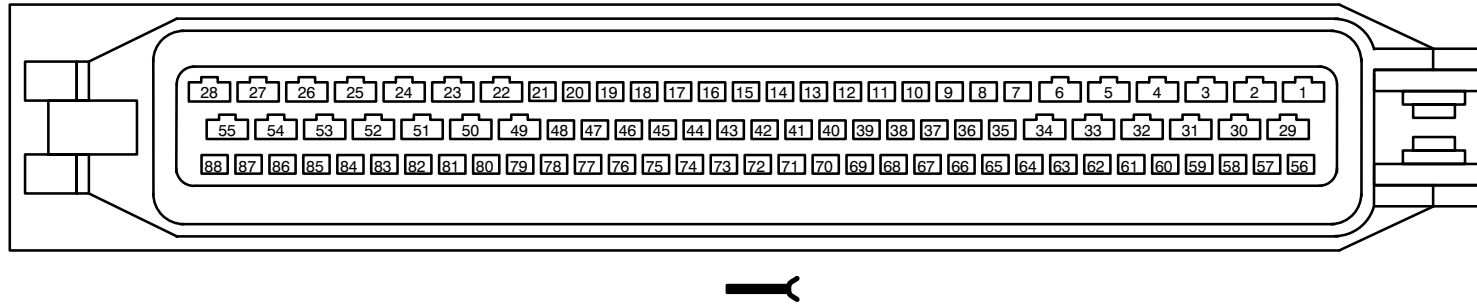


FIG. 2

B250004.00

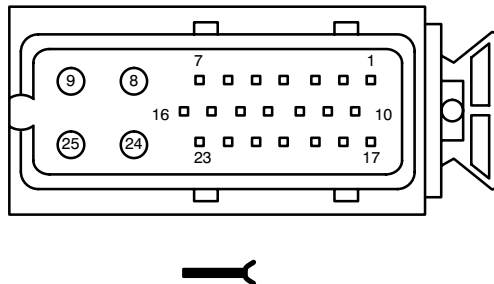
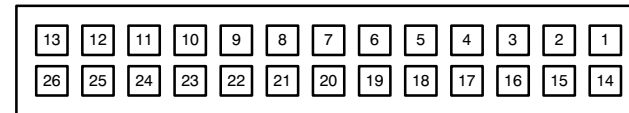


FIG. 3

B260005.00



CONNECTOR VIEWS

FIG. 1

B030024

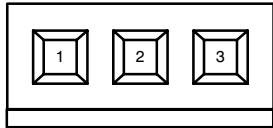


FIG. 2

B100004.02

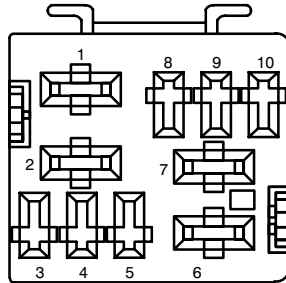


FIG. 3

B120001.01

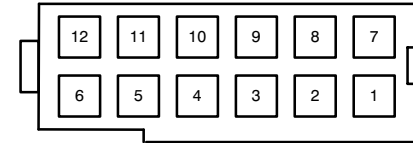


FIG. 4

B100001.00

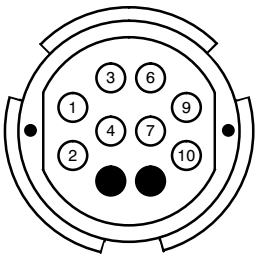


FIG. 5

B120002.02

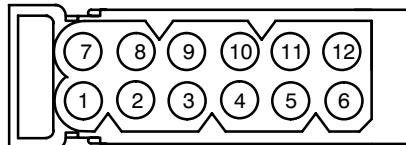
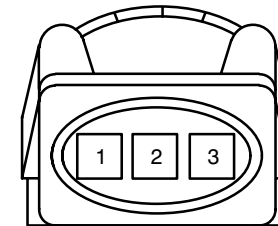


FIG. 6

B030018.02



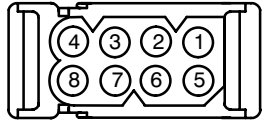


Z3

# CONNECTOR VIEWS

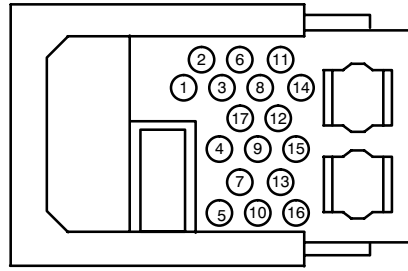
**FIG. 1**

B080002.00



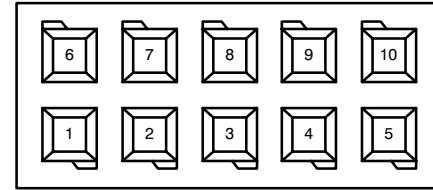
**FIG. 2**

B170001.00



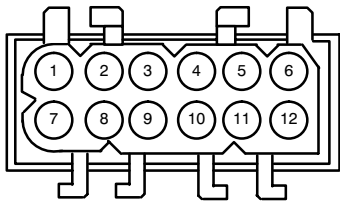
**FIG. 3**

B100008.00



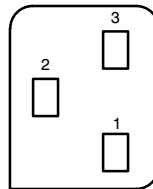
**FIG. 4**

B120004.01



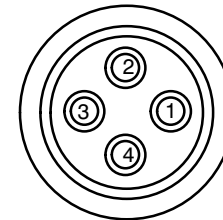
**FIG. 5**

B030004.01



**FIG. 6**

B040023.02



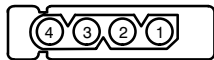


Z3

# CONNECTOR VIEWS

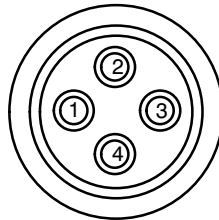
**FIG. 1**

B040004.00



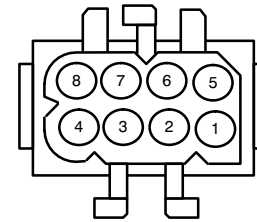
**FIG. 2**

B040023.01



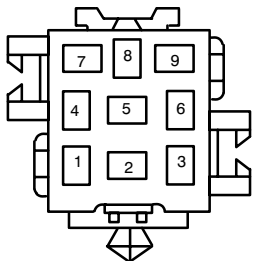
**FIG. 3**

B080001.00



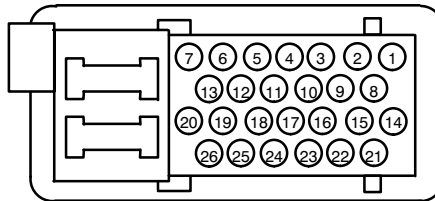
**FIG. 4**

B090002.00



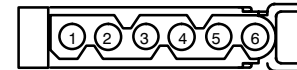
**FIG. 5**

B260002.01



**FIG. 6**

B060001.02



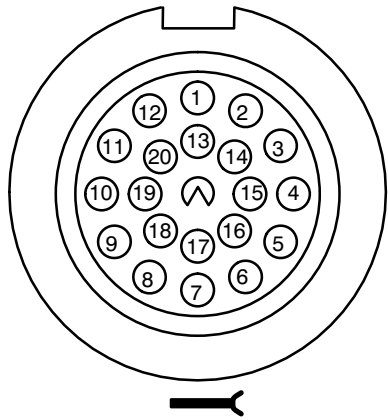


Z3

# CONNECTOR VIEWS

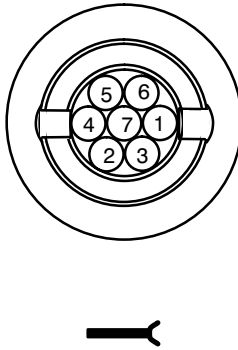
**FIG. 1**

B200003.00



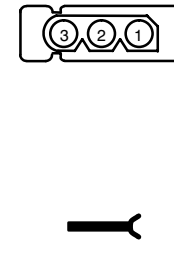
**FIG. 2**

B070005.00



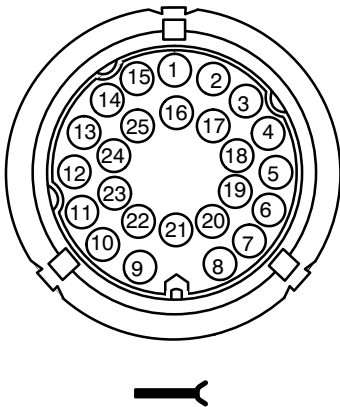
**FIG. 3**

B030003.00



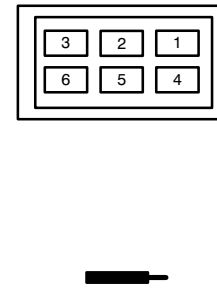
**FIG. 4**

B250001.02



**FIG. 5**

B060019.03





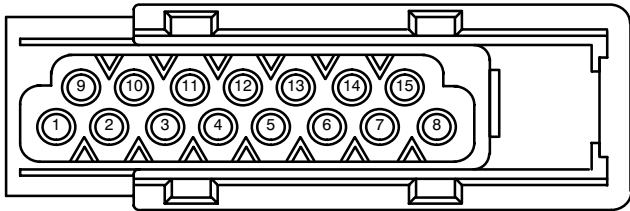


Z3

# CONNECTOR VIEWS

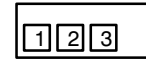
**FIG. 1**

B150002.00



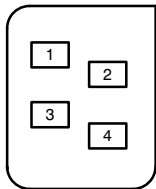
**FIG. 2**

B030036.01



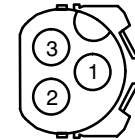
**FIG. 3**

B040027.00



**FIG. 4**

B030006.00





Z3

# CONNECTOR VIEWS

FIG. 1

B0400028.00

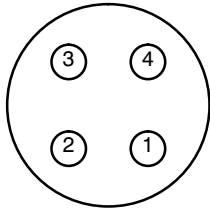


FIG. 2

B080020.00

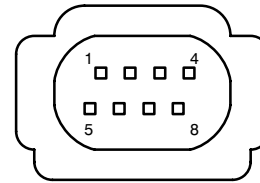


FIG. 3

B0300044.00

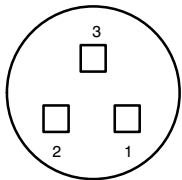


FIG. 4

B050001.00

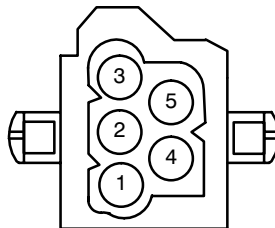
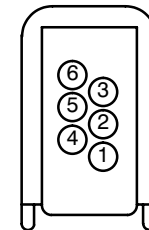


FIG. 5

B060041.00





Z3

# CONNECTOR VIEWS

FIG. 1

B040026

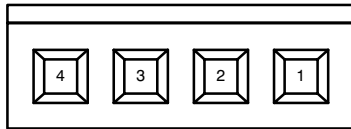


FIG. 2

B120006.00

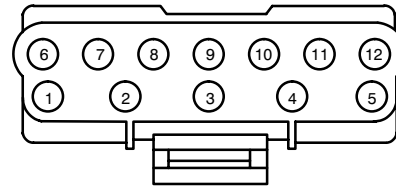


FIG. 3

B180000.00

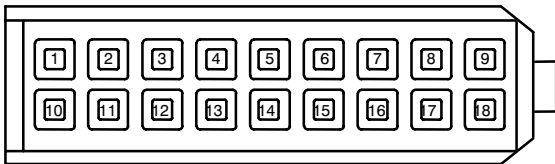


FIG. 4

B060037.00

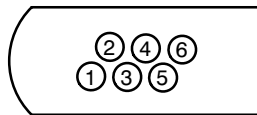
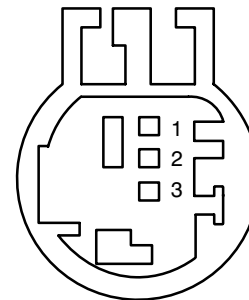


FIG. 5

B030042.00





Z3

# CONNECTOR VIEWS

FIG. 1

B160002.00

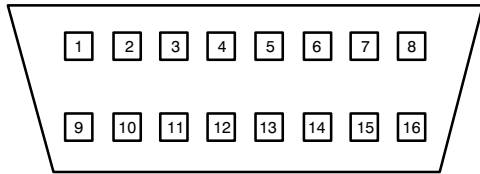


FIG. 2

B060013.00

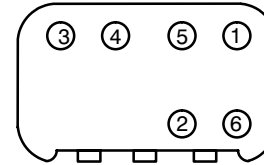


FIG. 3

B080013.00

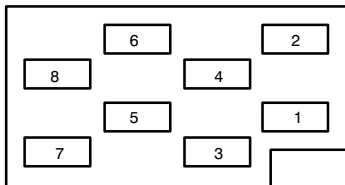
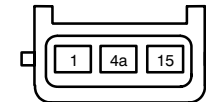


FIG. 4

B030015.08





Z3

# CONNECTOR VIEWS

FIG. 1

B090006.01

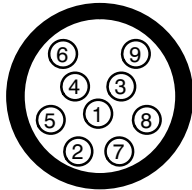


FIG. 2

B060043.00

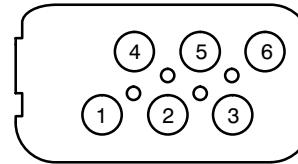


FIG. 3

B070012.00

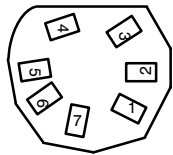
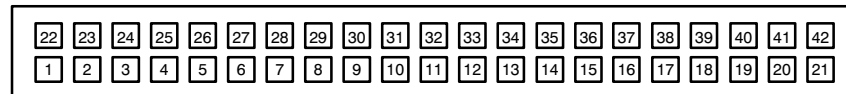


FIG. 4

B420000.00



CONNECTOR VIEWS

FIG. 1

B030022.00

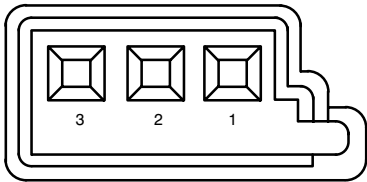


FIG. 2

B500000.00

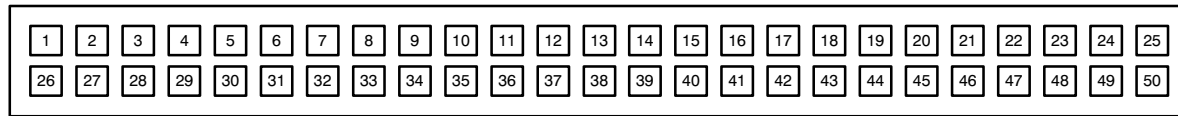


FIG. 3

B550002.00

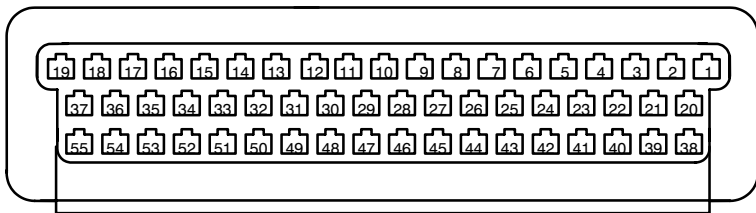


FIG. 4

B160001.00

