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GENERAL

This repair group covers fuse, relay, and control module location information. Electrical equipment and accessories installed varies depending on model and model year. Always confirm that the proper electrical component has been identified by using the electrical wiring diagrams.

WARNING —

On cars equipped with airbags, special precautions apply to any electrical system testing or repair. Airbag units are explosive devices and must be handled with extreme care. Before starting any work on an airbag equipped car, refer to the warnings and cautions in **721 Airbag System (SRS)**.

CAUTION —

- Prior to disconnecting the battery, read the battery disconnection cautions given at the front of this manual on page viii.
- Relay and fuse positions are subject to change and may vary from car to car. If questions arise, an authorized BMW dealer is the best source for the most accurate and up-to-date information.
- A good way to verify a relay position is to compare the wiring colors at the relay socket to the colors indicated on the wiring diagrams located at the rear of this manual.
- Always switch the ignition off and disconnect the negative (–) battery cable before removing any electrical components.
- Connect and disconnect ignition system wires, multiple connectors, and ignition test equipment leads only while the ignition is switched off.
- Only use a digital multimeter for electrical tests.

FUSE AND RELAY POSITIONS

The front power distribution box, an auxiliary relay panel, and two auxiliary splice panels contain most of the fuses and relays in E36 vehicles. Refer to the component location later in this section, as well as the tables at the end of this repair group for electrical component location.

Fuse Positions

CAUTION —

- Replace fuses with those of the same rating. Installing a fuse with higher rating can lead to circuit failure and may also start a fire.
- Relay/fuse positions vary by model and equipment.

Fuses number 1 through 46 are mounted in the front power distribution box. See Fig. 1.

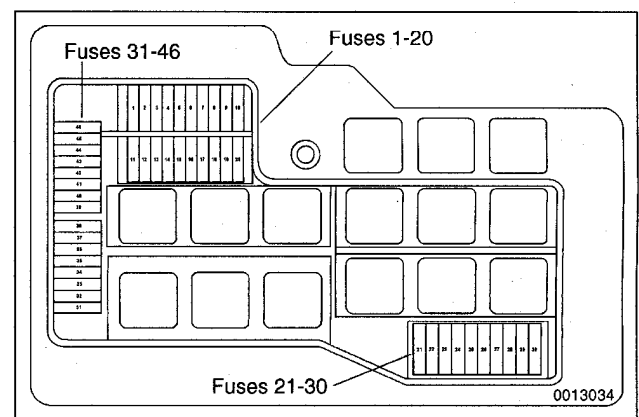


Fig. 1. Fuse positions 1–46 in front power distribution box.

FUSE AND RELAY POSITIONS

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Fuses number 47 and 50 are mounted on the left side splice panel. Refer to Fig. 5.

Fuse 48 is mounted on the auxiliary relay panel. Refer to Fig. 3.

Fuse 49 is mounted in the right side of the luggage compartment behind the trim cover.

Relay Positions

Mounted in the left-hand rear corner of the engine compartment, the power distribution box contains 46 fuses and 15 relay positions. See Fig. 2.

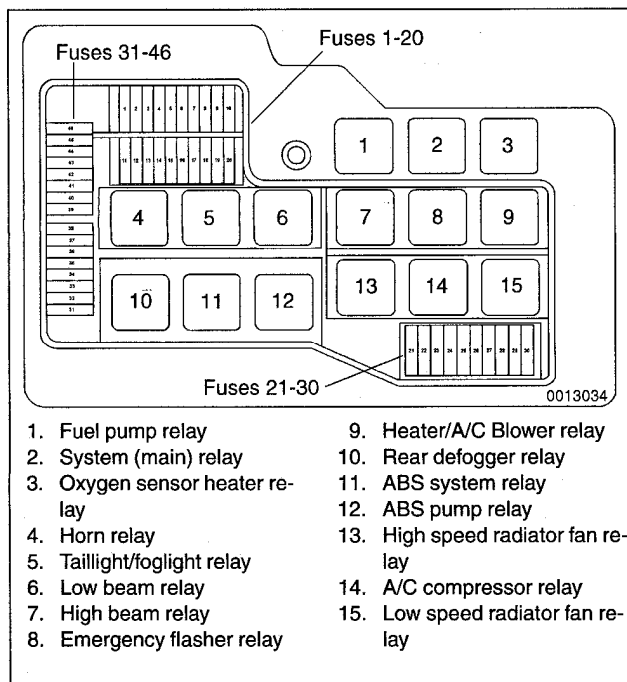


Fig. 2. E36 front power distribution box.

Auxiliary Relay Panel

The auxiliary relay panel contains five relay positions. In later models an additional fuse holder (Fuse 48) and the EWS II (anti-theft) transmitter/receiver module are located on this panel. See Fig. 3.

The panel is located next to the steering column under the driver's side dashboard. To access this panel, remove the lower dash panel on driver's side. See **513 Interior Trim**. Then remove the driver's side knee bolster. Lower the relay panel by gently releasing the plastic retainers. See Fig. 4.

During installation, be sure the retainer tabs are engaged in the relay panel.

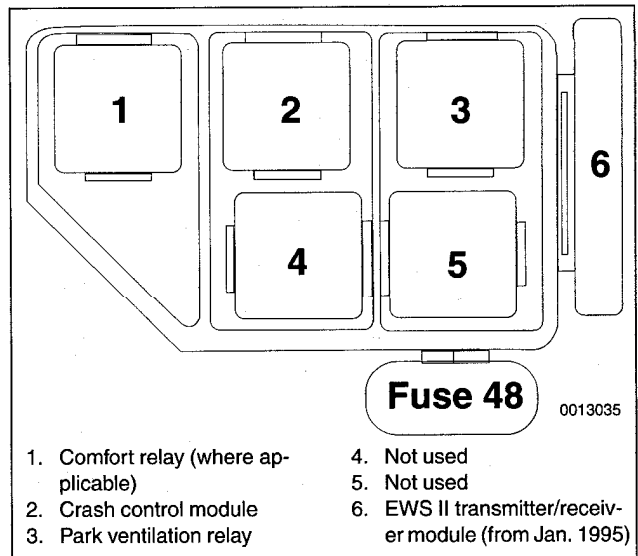


Fig. 3. Auxiliary relay panel under left side of dash.

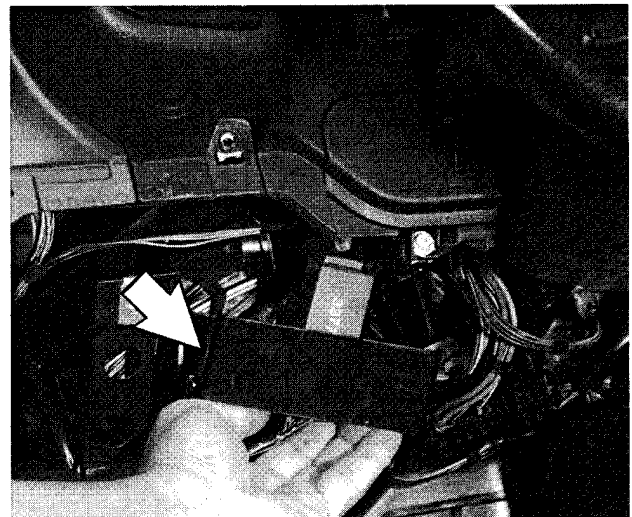


Fig. 4. Auxiliary relay panel under left side of dashboard (arrow).

Splice Panel, Left

The left splice panel contains four relay positions and an additional fuse holder (Fuses 47 and 50).

To access the left side electrical splice panel, remove the left side dash panel and knee bolster, as described earlier. The panel is located above and to the left of the clutch pedal. See Fig. 5.

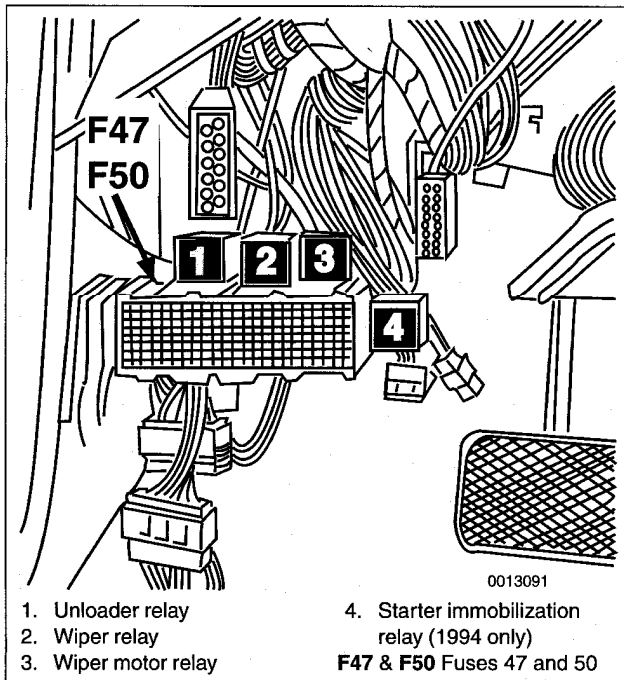


Fig. 5. Splice panel under left side of dash.

Splice Panel, Right

The right splice panel contains three relay positions. It is located under the right side of the dashboard.

To access the panel, remove the glove compartment as described in **513 Interior Trim**. See Fig. 6.

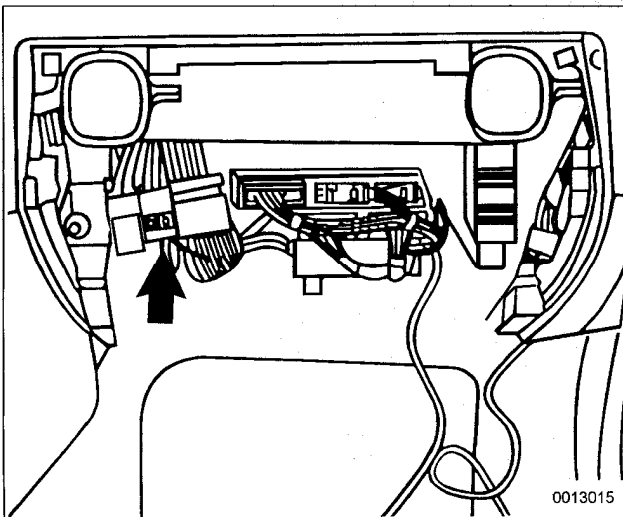


Fig. 6. Splice panel under right side of dash (arrow). Glove compartment and right side vents shown removed.

COMPONENT LOCATIONS

On the following pages are illustrations and photos showing the location of major electrical components in E36 vehicles.

NOTE —

- Every component is not installed in every car.
- Due to changes in production, component locations may vary from what is illustrated. Consult your BMW dealer for the latest information.
- The gear-position/neutral safety switch is also sometimes referred to as the automatic transmission range switch.
- The EWS II system is also sometimes referred to as the Driveaway Protection System or the electronic immobilization system.
- All-Season Traction (AST) is also sometimes referred to as ASC or ASC+T.

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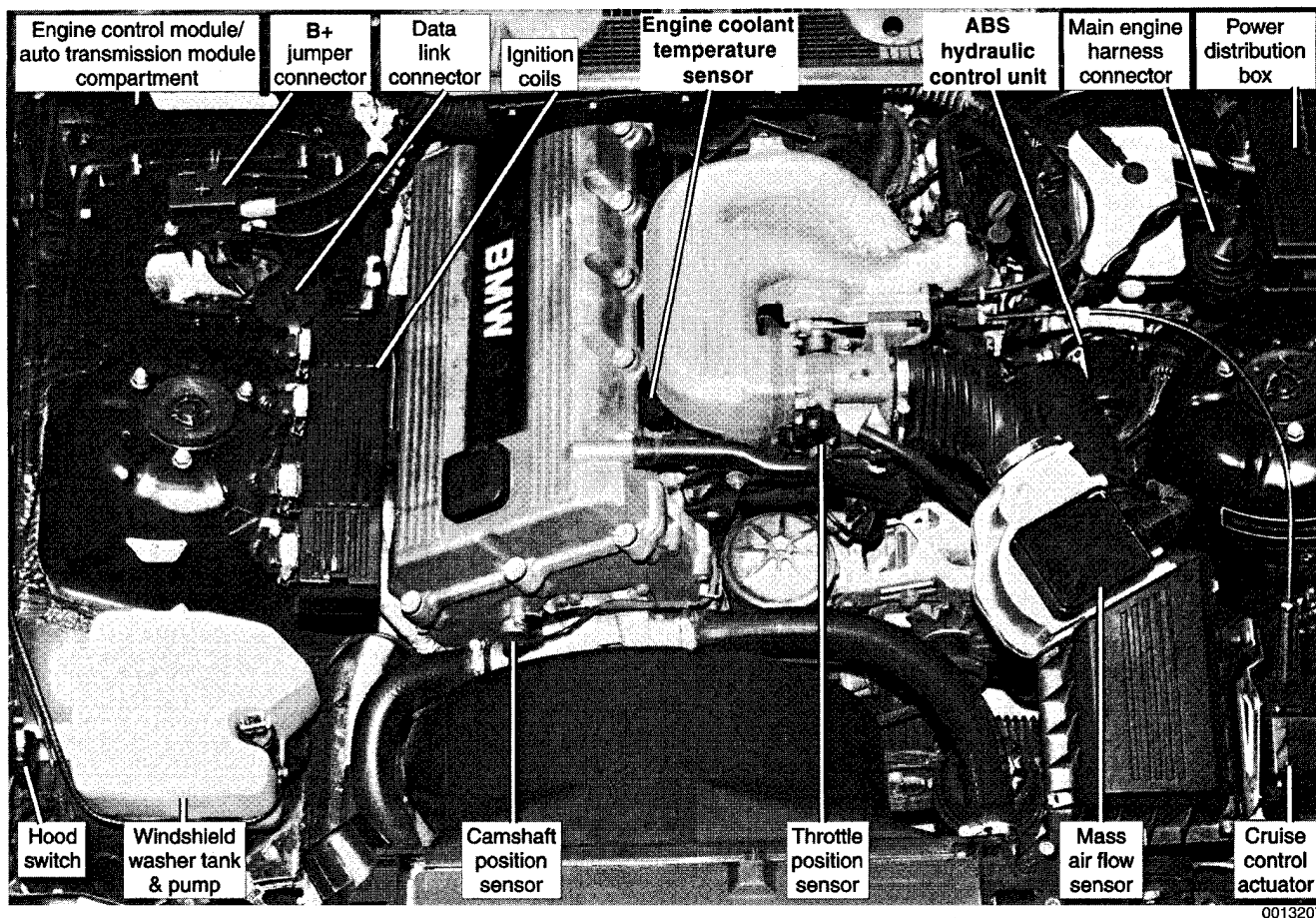


Fig. 7. E36 engine compartment layout. M42 engine compartment shown.

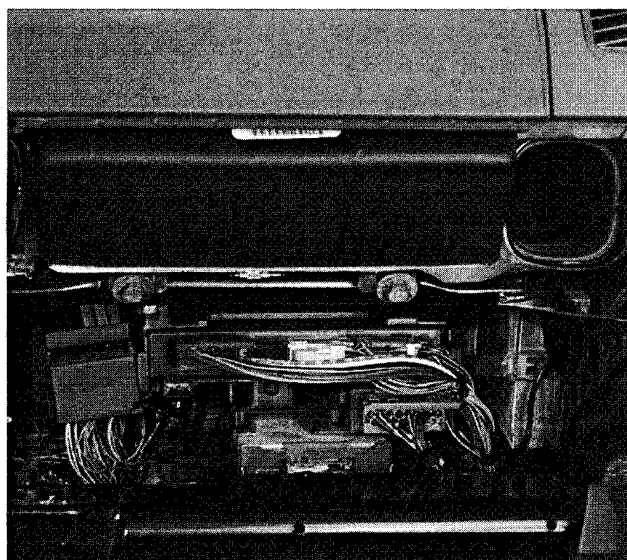


Fig. 8. Control modules under right side of dash. Glove compartment has been removed. For module identification, see Fig. 9.

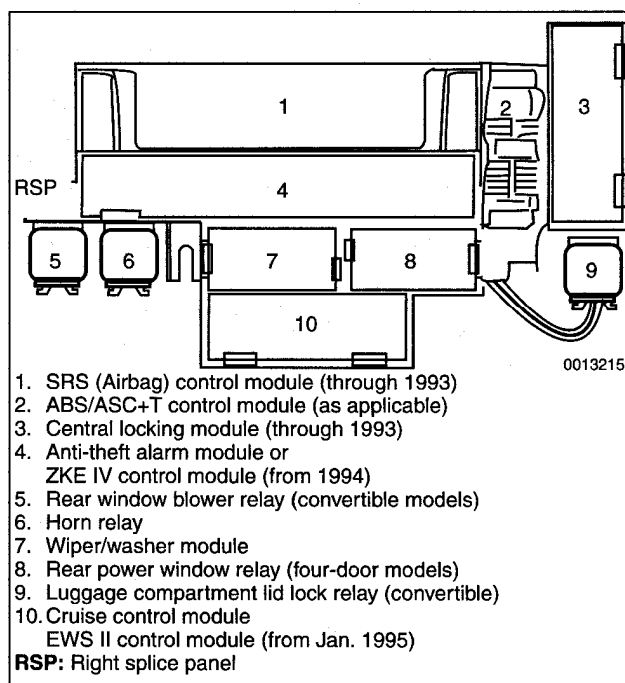
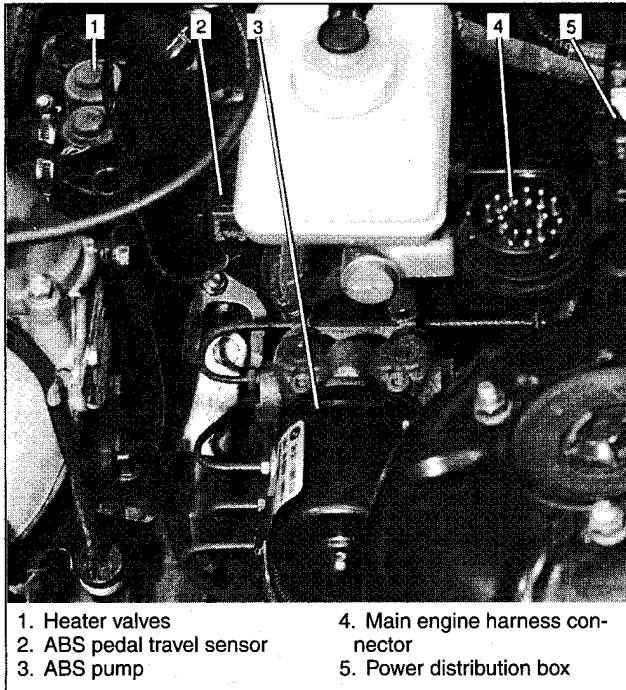
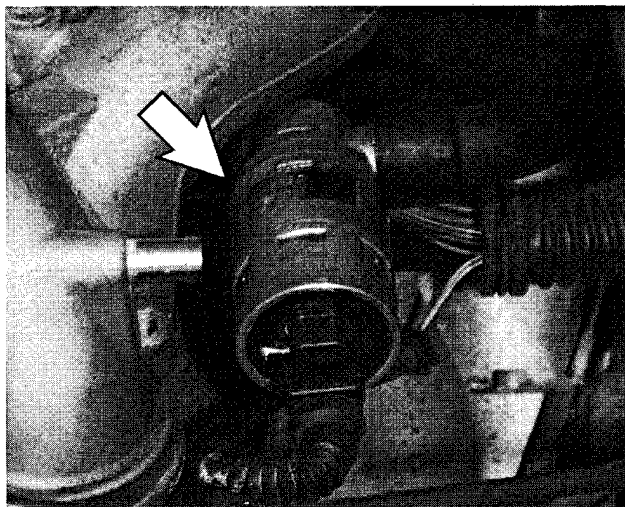


Fig. 9. Identification of control modules under right side of dash. Module utilization varies by year and model



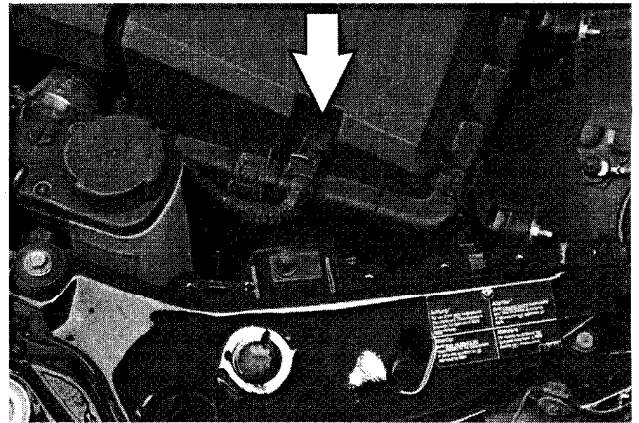
0013202

Fig. 10. Left rear of engine compartment.



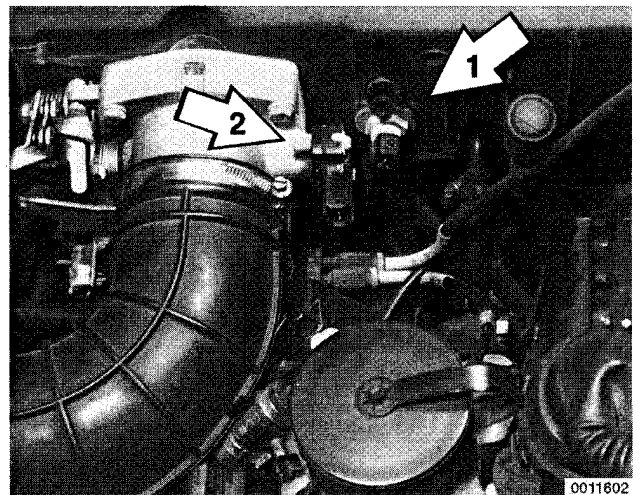
0013226

Fig. 11. M42 engine idle speed control valve (arrow) beneath intake manifold



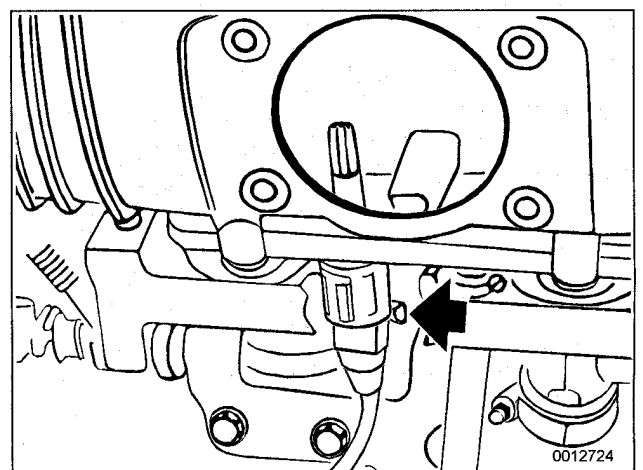
0012421

Fig. 12. M44 engine intake air temperature (IAT) sensor in air filter housing



0011602

Fig. 13. M50/S50US engine intake air temperature (IAT) sensor (1) and throttle position sensor (2).



0012724

Fig. 14. M52/S52US engine intake air temperature (IAT) sensor in bottom of intake manifold (throttle housing shown removed).

610-6 ELECTRICAL COMPONENT LOCATIONS

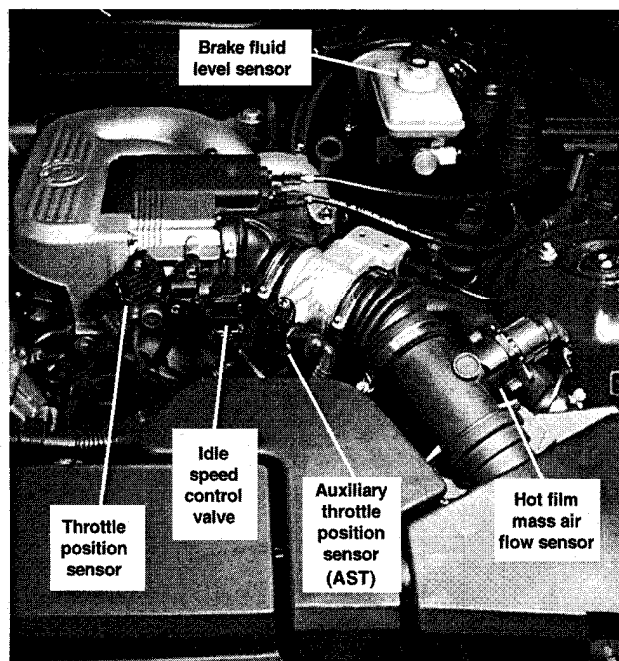


Fig. 15. M44 engine harness connectors at air intake

0012427

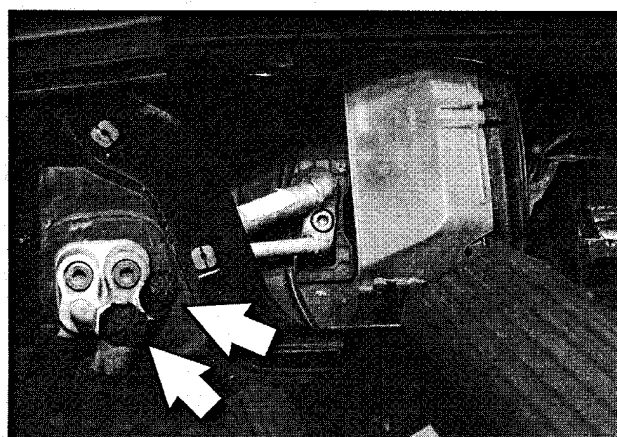


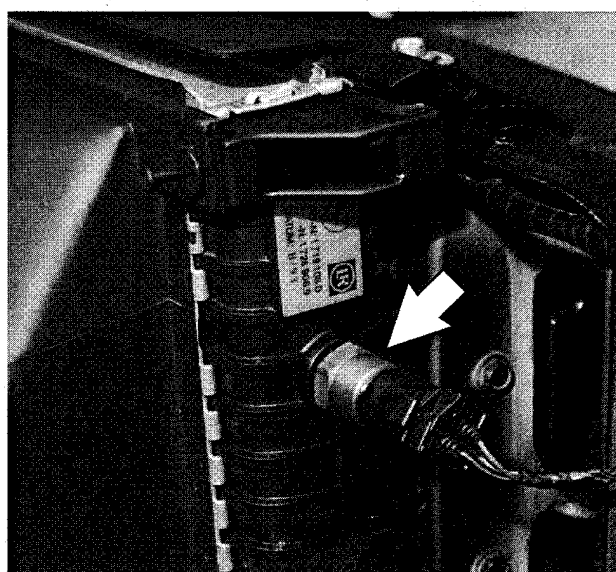
Fig. 16. A/C recharging ports (arrows), right rear of engine compartment

0012644



B11004

Fig. 17. Six-cylinder ignition coil in top of cylinder head (M52 engine).



0013203

Fig. 18. Cooling fan dual switch in radiator (arrow).

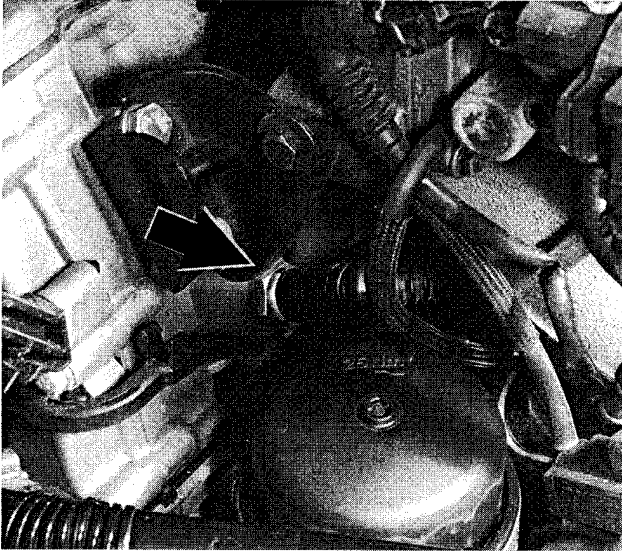


Fig. 19. M44 engine coolant temperature (ECT) sensor (arrow).

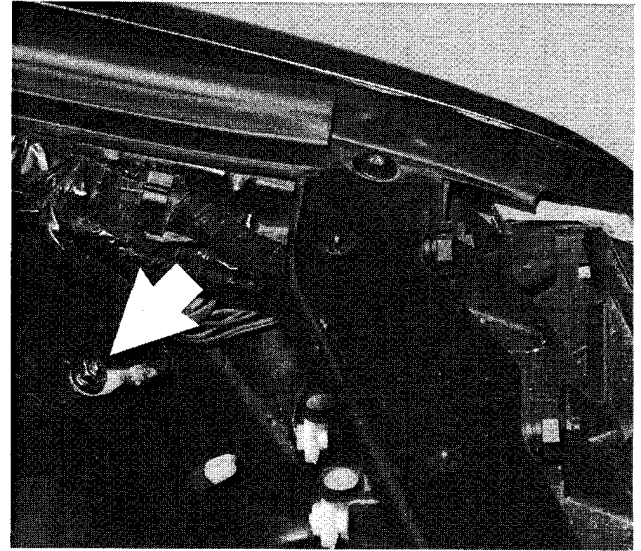


Fig. 22. Headlight ground at left front of engine compartment (arrow).

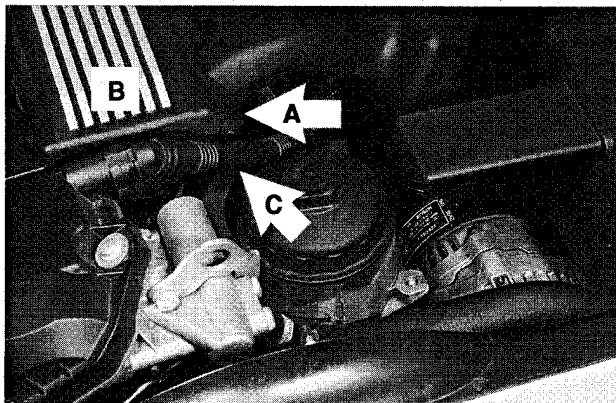


Fig. 20. M52 engine coolant temperature (ECT) sensor (A) is located beneath top engine cover (B) and crankcase vent hose (C).

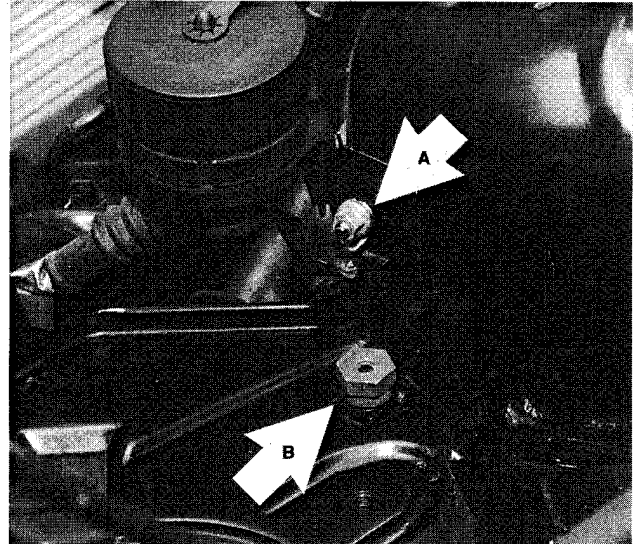


Fig. 23. Main ground at right strut tower (A). B is negative jumper connection.

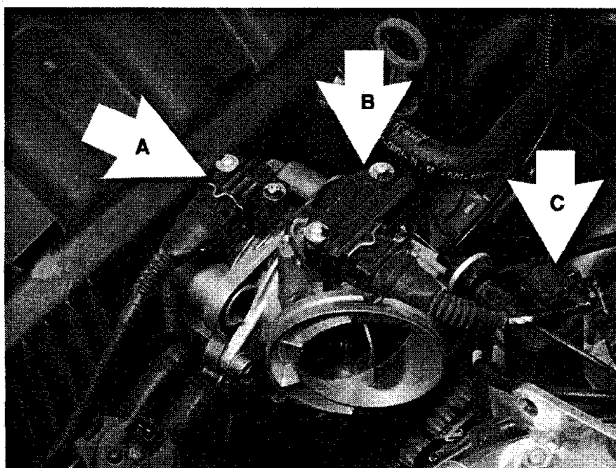


Fig. 21. M52 throttle position sensor (A), idle speed control valve (B), and secondary air pump (C).

610-8 ELECTRICAL COMPONENT LOCATIONS

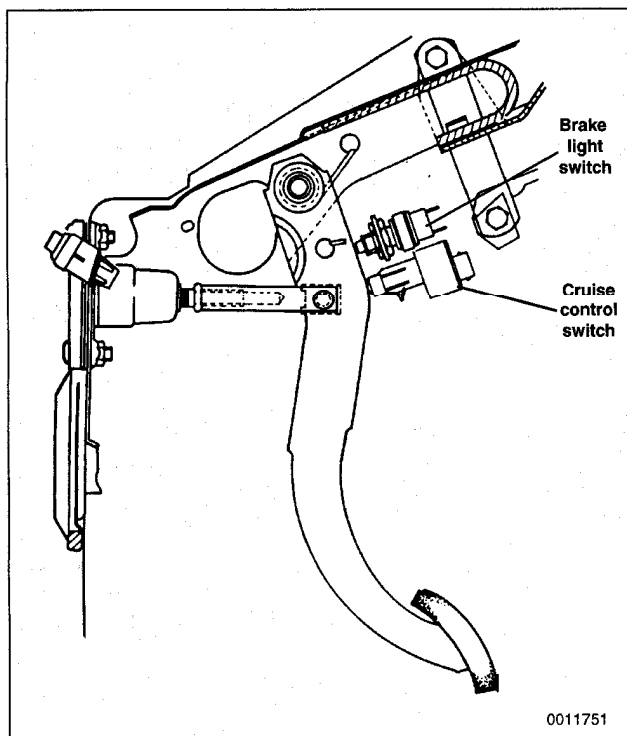


Fig. 24. Brake pedal switches.

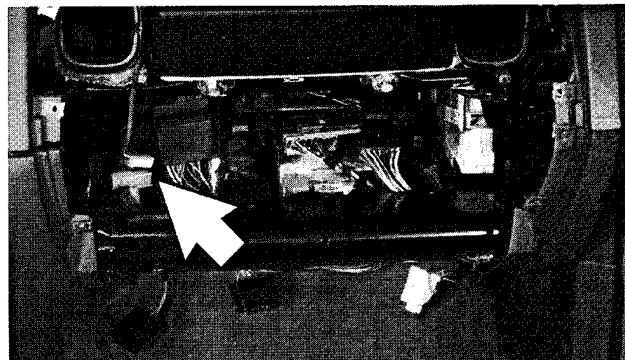


Fig. 26. Passenger side airbag connector (arrow) behind glove compartment.

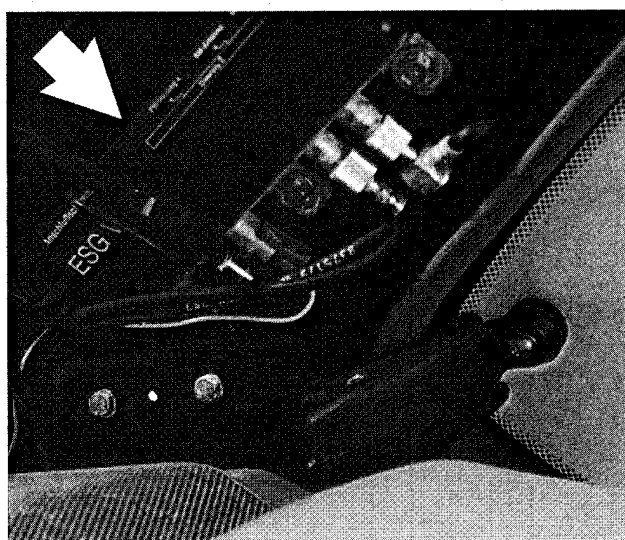


Fig. 27. Antenna diversity module (arrow) in left C-pillar.

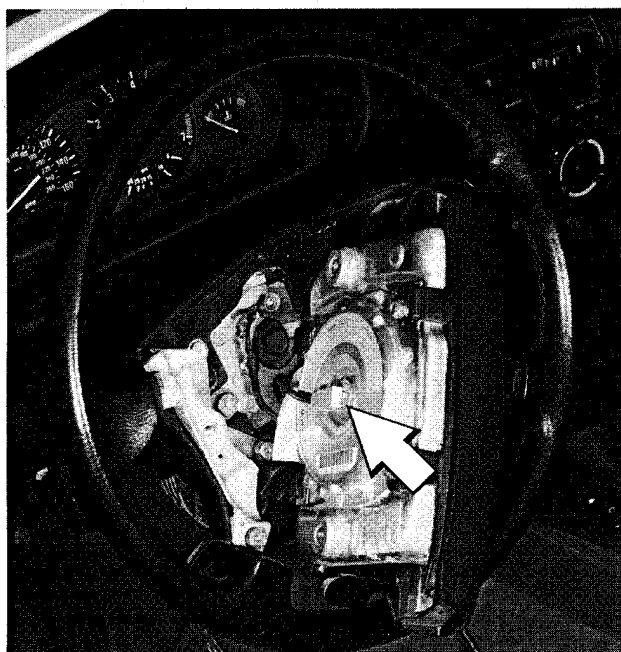


Fig. 25. Driver side airbag connector (arrow).

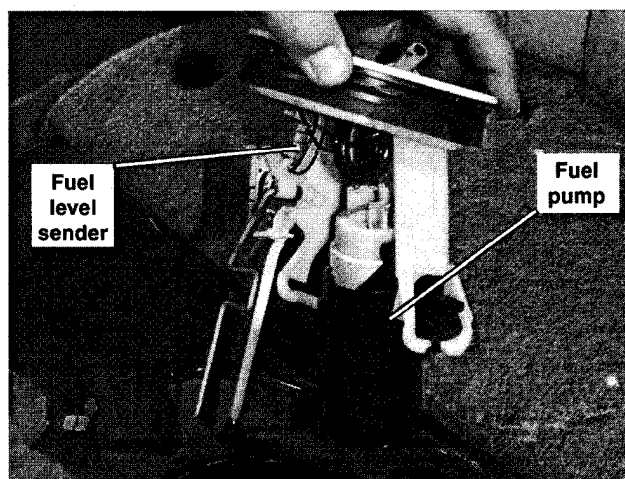


Fig. 28. Right side of fuel tank under rear seat cushion.

COMPONENT LOCATIONS

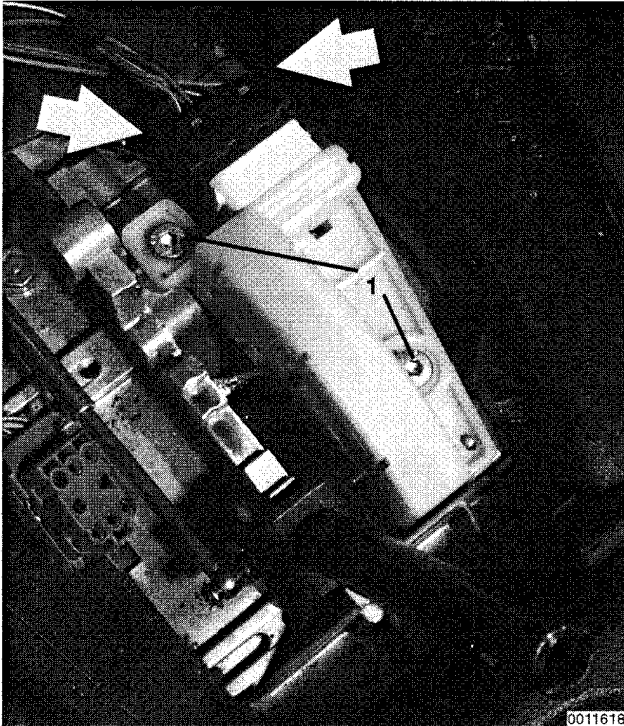


Fig. 29. Transmission gear-position/neutral safety switch under center console. Squeeze connector tabs (**arrows**) to disengage harness connector.

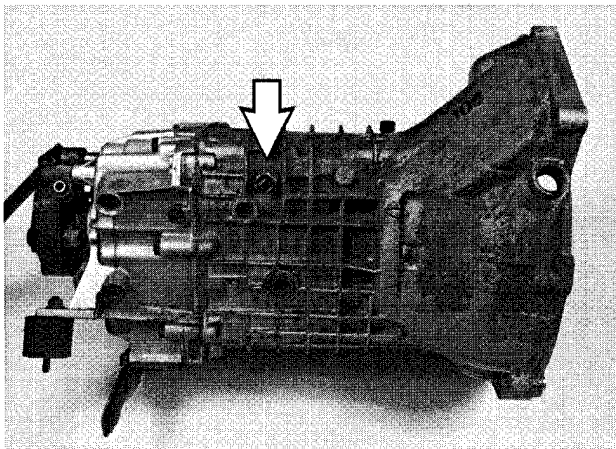


Fig. 30. Back-up light switch (**arrow**) on transmission. (Switch may be found on right or left side of transmission, depending on application.)

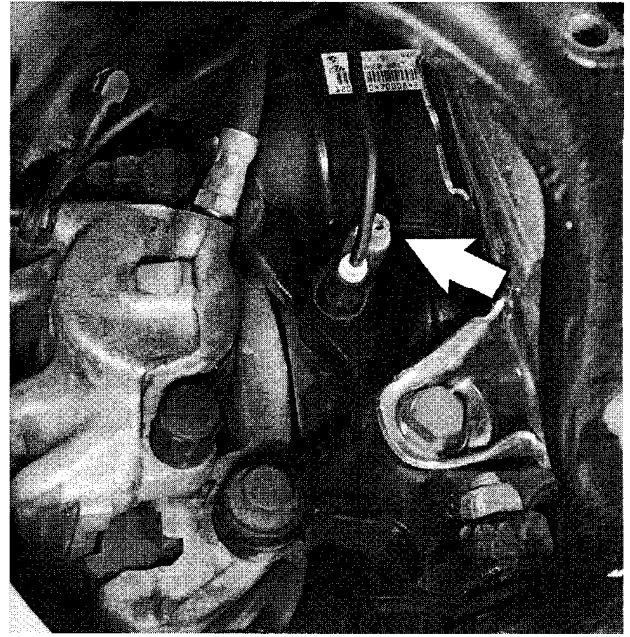


Fig. 31. ABS wheel speed sensor (**arrow**) in front steering arm.

Component Location Table

Table a is a cross-referenced listing of electrical components in E36 vehicles beginning on **page 10**. In addition to location descriptions, where possible there is a reference to a figure showing the component.

NOTE —

- Every component is not installed in every car.
- Due to changes in production, component locations may vary. Consult your BMW dealer for the latest information.
- The figure numbers are all within this section. Many other electrical components are illustrated throughout this book. Consult the main index.
- The gear-position/neutral safety switch is also sometimes referred to as the automatic transmission range switch.
- The EWS II system is also sometimes referred to as the Driveaway Protection System or the electronic immobilization system.
- All-Season Traction (AST) is also sometimes referred to as ASC or ASC+T.

610-10 ELECTRICAL COMPONENT LOCATIONS

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
ABS Hydraulic Control Unit	1992 - 1998	Left rear engine compartment under master cylinder	Fig. 7. Fig. 10.
ABS Hydraulic Control Unit Relay	1992 - 1998	Power distribution box	Fig. 2.
ABS Pedal Travel Sensor	1992 - 1998	On brake booster beside master cylinder	Fig. 10.
ABS Relay	1992 - 1998	Power distribution box	Fig. 2.
ABS/AST (Traction) Control Module	1992 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
ABS Speed Sensor, Left Front Wheel	1992 - 1998	Left front steering arm	Fig. 31.
ABS Speed Sensor, Left Rear Wheel	1992 - 1998	Left rear trailing arm	
ABS Speed Sensor, Right Front Wheel	1992 - 1998	Right front steering arm	
ABS Speed Sensor, Right Rear Wheel	1992 - 1998	Left rear trailing arm	
A/C Compressor	1992 - 1998	Right lower front of engine	
A/C Compressor Control Relay	1992 - 1998	Power distribution box	Fig. 2.
A/C Control Module	1992 - 1998	Behind center console	
A/C Evaporator Temperature Sensor	1992 - 1998	Left side of heater box	
A/C Pressure Switch	1992 - 1998	Right front of engine compartment	
A/C Program Switch	1992 - 1998	Center of dash below radio	
A/C Recharging Ports	1992 - 1998	Right rear engine compartment	Fig. 16.
Air Flow Sensor	1992 - 1998	Between throttle housing & filter housing	Fig. 7.
Airbag Contact Slip Ring	1992 - 1998	Rear of steering wheel	
Airbag, Driver	1992 - 1998	In center of steering wheel	Fig. 25.
Airbag, Passenger	1994 - 1998	Right front of dash above glove compartment	Fig. 26.
Airbag, Side-Impact	1997 - 1998	Behind right/left front door panel	
Airbag Control Module (Basic)	1992 - 1993	Behind glove compartment	Fig. 8. Fig. 9.
Airbag Control Module (ZAE)	1994 - 1998	On center tunnel under rear seat cushion	
Airbag Crash Sensor, Airbag	1992 - 1993	On right/left front strut tower	
Airbag Crash Sensor, Right/Left Side Impact	1997 - 1998	Right/left door sill behind front seat	
Alternator (Generator)	1992 - 1998	Left lower front of engine	
Amplifier Hi-fi	1992 - 1998	Left front side of luggage compartment	
Antenna Amplifier AM/FM	1992 - 1998	In upper left side C-pillar	Fig. 27.

Continued

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
Anti-theft Control Module	1992 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Anti-theft Horn	1992 - 1998	Right rear engine compartment	
Anti-slip (Traction) Control Module (AST/ASC+T)	1994 - 1998	Power distribution box	Fig. 8. Fig. 9.
Anti-slip (Traction) Control Switch	1994 - 1998	In center console	
Automatic Climate (A/C) Control Module	1992 - 1998	Behind center console	
Automatic Transmission Range Switch (Gear Position/Neutral Safety Switch)	1992 - 1998	Next to gear shift lever in center console	Fig. 29.
Auxiliary Cooling Fan Dual Switch	1992 - 1998	Right side radiator	Fig. 18.
Auxiliary Cooling Fan Motor	1992 - 1998	Behind front grill	
Auxiliary Fuse Box (Left Splice Panel)	1992 - 1998	Behind left front footwell kick-panel	Fig. 5.
Auxiliary Relay Panel	1992 - 1998	Left side of dash under steering column	Fig. 4.
Auxiliary Fuse Box In Trunk	1997 - 1998	Right side of trunk behind trim panel	
Auxiliary Throttle Position Motor (ADS)	1994 - 1998	Front of engine compartment	
B+ Jump Start Junction Point	1992 - 1998	Right rear of engine compartment	Fig. 7.
Back-Up Light Switch (Manual)	1992 - 1998	Right or left side top of transmission	Fig. 30.
Body Electronics Control Module (ZKE IV)	1994 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Brake Fluid Level Sensor	1992 - 1998	Top of brake fluid reservoir at master cylinder	Fig. 15.
Brake Light Switch	1992 - 1998	On brake pedal support bracket	Fig. 24.
Brake Pad Sensor, Left Front	1992 - 1998	Left front brake caliper	
Brake Pad Sensor, Right Rear	1992 - 1998	Right rear brake caliper	
Camshaft Actuator (VANOS)	1993 - 1998	Front of cylinder head	
Camshaft Position Sensor (Cylinder Identification)	1992 - 1998	Front of engine	Fig. 7.
Carbon Canister Valve (TLEV)	1997 - 1998	In spare wheel well in trunk	
Central Locking Module (ZVM)	1992 - 1993	Behind glove compartment	Fig. 8. Fig. 9.
Check Control Module (if applicable)	1992 - 1998	Below left side of dash	
Child Protection Window Control (console)	1992 - 1998	Center console	
Chime Module	1992 - 1998	Below left side of dash in left dash trim panel	
Clock (Multi-Function)	1993 - 1998	Center console	
Clutch Pedal Switch	1992 - 1998	On clutch pedal support bracket	

Continued

610-12 ELECTRICAL COMPONENT LOCATIONS

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
Combination (Stalk) Switch	1993 - 1998	Left side steering column (turn signals/high-low beam switch)	
Convertible Top Actuating Switch	1994 - 1998	Center console	
Convertible Top Control Module	1994 - 1998	In lower left C-pillar behind trim panel	
Convertible Top End Position Switch	1994 - 1998	In convertible top linkage	
Convertible Top Motor	1994 - 1998	In left side of trunk behind trim panel	
Convertible Top Position Microswitch	1994 - 1998	In convertible top linkage	
Convertible Top Storage Lid Lock Motor	1994 - 1998	In convertible top compartment left side	
Convertible Top Storage Lid Microswitch	1994 - 1998	In right side convertible top storage lid latch	
Convertible Top Storage Lid Motor	1994 - 1998	In left side of trunk behind trim panel	
Coolant Level Sensor (if applicable)	1992 - 1998	Bolted on radiator, left side	
Coolant Temperature Sensor	1992 - 1998	Left front of engine/cylinder head	Fig. 19. Fig. 20.
Cooling Fan Dual Switch	1992 - 1998	Right side radiator	Fig. 18.
Cooling Fan Motor	1992 - 1998	Behind front grill	
Crankshaft Position/RPM Sensor	1992 - 1995	At front crankshaft pulley	
Crankshaft Position/RPM Sensor	1996 - 1998	Left rear of crankcase	
Crash Sensor, Airbag	1992 - 1993	On right/left front strut tower	
Crash Control Module	1992	Auxiliary relay panel	
Crash Control Module	1993 - 1998	Driver's side footwell	
Crash Sensor, Right/Left Side Impact Airbag	1997 - 1998	Right/left door sill behind front seat	
Cruise Control Actuator	1992 - 1998	Left front of engine compartment	Fig. 7.
Cruise Control Module	1992 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Data Link Connector	1992 - 1998	Right side of engine	Fig. 7.
Digital Motor Electronics (DME) Control Module	1992 - 1998	Right rear engine compartment, behind bulkhead panel	Fig. 7.
Door Lock Heater	1993 - 1994	Left front door handle	
Door Handle Switch	1994 - 1998	left front door	
Drive-away Protection (EWS II) Module	1/1995 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Dual Coolant Temperature Sensor	1997 - 1998	Below intake manifold	Fig. 19. Fig. 20.
Electronic Immobilizer Control Module (EWS II)	1/1995 - 1998	Behind glove compartment	Fig. 8. Fig. 9.

Continued

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
Engine Compartment Light Switch	1993 - 1996	Over right headlight assembly	Fig. 7.
Engine Control Module (ECM)	1992 - 1998	Right rear engine compartment, behind bulkhead panel	Fig. 7.
Engine Control Module (System) Relay	1992 - 1998	Power distribution box	Fig. 2.
Engine Coolant Level Sensor	1992 - 1998	Left front of engine compartment, radiator coolant reservoir	
Engine Coolant Temperature Sensor	1992 - 1998	Left front of engine under intake manifold	Fig. 19. Fig. 20.
Evaporative Emission Valve	1992 - 1998	Left side strut tower area	
Evaporator Temperature Sensor	1992 - 1998	Left side of heater box	
EWS II Control Module	1/1995 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
EWS II Ring Antenna	1/1995 - 1998	At ignition cylinder	
EWS II Transmitter Module	1/1995 - 1998	Right side of steering column in auxiliary relay panel	Fig. 3.
Exhaust Gas Flap Valve	1996 - 1998	Left rear muffler area	
Flasher Relay	1992 - 1998	Power distribution box	Fig. 2.
Foglight Relay	1992 - 1998	Power distribution box	Fig. 2.
Fresh Air Flap Actuator	1992	Right side of heater box	
Fresh Air Flap Actuator	1993 - 1995	Below right side heater box	
Fresh Air Flap Actuator	1996 - 1998	Below left side heater box	
Fuel Injectors	1992 - 1998	Top left side of engine	
Fuel Level Sensor, Left	1992 - 1998	Under left side of rear seat in fuel tank	
Fuel Level Sensor, Right	1992 - 1998	Under right side of rear seat in fuel tank	Fig. 28.
Fuel Pump	1992 - 1998	Under right side of rear seat in fuel tank	Fig. 28.
Fuel Pump Relay	1992 - 1998	Power distribution box	Fig. 2.
Fuel Pump/Start Identification Relay	1994 - 1996	Power distribution box	
Fuel Tank Pressure Sensor	1997 - 1998	Right rear wheel well behind trim liner	
Fuse and Relay Box (Power Distribution Box)	1992 - 1998	Left side of engine compartment	Fig. 2. Fig. 7. Fig. 10.
Gas Filler Lock Motor	1992 - 1998	Right side of luggage compartment	
Gear Position/Neutral Safety Switch (Automatic Transmission Range Switch)	1992 - 1998	Next to gear shift lever in center console	Fig. 29.
Glove Compartment Lock Motor	1994 - 1998	Behind glove compartment	
Grounds			
G 100	1995 - 1998	Front of left front fender (headlights)	Fig. 22.
G 101	1992 - 1998	Front of right front fender	

Continued

610-14 ELECTRICAL COMPONENT LOCATIONS

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
G 102	1992 - 1998	Left front strut tower	
G 103	1992 - 1998	Right front strut tower	
G 110	1992 - 1998	Left front of engine	
G 111	1992 - 1998	Near battery	
G 117	1992 - 1998	Right rear of engine	
G 119	1992 - 1998	Right front of engine	
G 123	1992 - 1998	Right side of safety wall	
G 200	1992 - 1998	Left kick panel	
G 201	1992 - 1998	Right side of I/P	
G 202	1992 - 1998	Left side of I/P	
G 203	1992 - 1998	Right kick panel	
G 230	1992 - 1998	Right kick panel	
G 301	1992 - 1998	Below right front seat	
G 302	1992 - 1998	Below center console	
G 303	1992 - 1998	Below right rear seat	
G 310	1992 - 1998	Behind right rear seat	
G 312	1992 - 1998	Behind left rear seat	
G 313	1992 - 1998	Right side of rear shelf	
G 314	1992 - 1998	Left side of rear shelf	
G 400	1992 - 1998	Left front side of trunk	
G 404	1992 - 1998	Left rear side of trunk	
Camshaft Position Sensor	1992 - 1998	Front of engine	Fig. 7.
Hard Top, Connector I	1994 - 1998	In convertible top compartment left side	
Hard Top, Connector II	1994 - 1998	In convertible top compartment left side	
Hazard Flasher Relay	1992 - 1998	Power distribution box	Fig. 2.
Headlight High Beam Relay	1998	Left hand side of dash behind instrument cluster	
Headlight High Beam Relay	1992 - 1997	Power distribution box	
Headlight Low Beam Relay	1992 - 1998	Power distribution box	
Heat Exchanger Temperature Sensors (left and right)	1993 - 1998	Center console	
Heater Blower Motor	1992 - 1998	Behind fresh air cowl	
Heater Blower Motor Relay	1992 - 1998	Power distribution box	Fig. 2.
Heat Rear Recirculation Flap Actuator	1997 - 1998	Right side of heater box	

Continued

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
Heater Recirculation Flap Actuator	1992 - 1998	Below left dash right side of steering column	
Heater Blower Motor Resistor Pack	1992 - 1998	Behind center of dashboard	
Heater Regulator Flap Actuator	1997 - 1998	Right side of heater box	
Heater Valve Assembly	1992 - 1998	Left rear engine compartment	
Heating/Ventilation Relay Box	1992 - 1993	Below left side of dash	
Heating/Ventilation Relay	1994 - 1998	Left front footwell	
High Speed Cooling Fan Relay	1992 - 1998	Power distribution box	Fig. 2.
Horns, Right/Left	1993 - 1998	Front of engine compartment	
Horn Relay	1992 - 1998	Power distribution box	Fig. 2.
Horn Relay (Alpine) Board Computer/Anti-Theft	1994 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Idle Speed Control Valve	1992 - 1995	Top rear of engine behind intake manifold (M42 engine)	Fig. 11.
Idle Speed Control Valve	1992 - 1995	Top left side of engine (M50 engine)	
Idle Speed Control Valve	1993 - 1996	Below intake manifold (M50/S50US engine)	
Idle Speed Control Valve	1996 - 1998	On throttle housing (M44 engine)	Fig. 15.
Idle Speed Control Valve	1997 - 1998	Left front of engine below intake manifold (M52/S52US engine)	
Ignition Coils	1992 - 1998	Right of engine under plastic cover (four-cylinder)	Fig. 7.
Ignition Coils	1992 - 1998	Top of engine under cover (six-cylinder)	Fig. 17.
Ignition Switch	1992 - 1998	Right side of steering column	
Intake Air Resonance Changeover Valve (DISA)	1992 - 1998	Left rear of engine compartment	
Intake Air Temperature Sensor	1992 - 1995	In mass air flow sensor (M42 engine)	
Intake Air Temperature Sensor	1996 - 1998	In top of air filter housing (M44 engine)	Fig. 12.
Intake Air Temperature Sensor	1992 - 1998	Left side of engine in intake manifold (six-cylinder)	Fig. 13. Fig. 14.
Kick-Down Switch (A/T)	1992 - 1998	Left footwell	
Knock Sensors	1992 - 1998	Left side of engine block	
Left Front Power Window Motor	1992 - 1998	Left front door	
Left Front Window Monitoring Switch	1997 - 1998	Left front door trim panel	
Left Front Window Retraction Switch	1992 - 1993	Left front door handle lock assembly	
Left Splice Panel	1992 - 1998	Under left side of dash at kick-panel	Fig. 5.
Main Fuse and Relay Box (Power Distribution Box)	1992 - 1998	Left side of engine compartment	Fig. 2.
Mass Air Flow Sensor	1992 - 1998	Left side of engine, intake air duct	Fig. 7. Fig. 15.
Mixing Actuators	1992 - 1998	Heater box	

Continued

610-16 ELECTRICAL COMPONENT LOCATIONS

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
Mixing Switch	1992 - 1994	Center console	
Multi-Function Clock	1992 - 1998	Center console	
Multi-information Display (MDI)	1992-1998	Center console	
Normal Speed Cooling Fan Relay	1992 - 1998	Power distribution box	Fig. 2.
Neutral Safety Switch (Automatic Transmission Range Switch)	1992 - 1998	Next to gear shift lever in center console	Fig. 29.
Oil Pressure Switch	1992 - 1998	Left front of engine below intake manifold at oil filter housing	
On-Board Computer	1992 - 1998	Center console	
On-Board Computer Horn Relay	1992 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
On-Board Computer Temperature Sensor	1992 - 1998	Right front of engine compartment	
Outside Temperature Sensor	1992 - 1997	In right front brake cooling duct	
Outside Temperature Sensor	1998	Right rear of engine compartment behind fresh air cowl	
Oxygen Sensor Heater Relay	1992 - 1998	Power distribution box	Fig. 2.
Oxygen Sensor(s)	1992 - 1998	On exhaust pipe ahead/behind catalytic converter (M42/M44 engine)	
Oxygen Sensor (x2)	1992 - 1995	On exhaust pipe ahead of catalytic converter (M50/S50US engine)	
Oxygen Sensors (x4)	1996 - 1998	On exhaust manifold/exhaust pipe behind catalytic converter (M52/S52US engine)	
Parking Brake Switch	1992 - 1998	On rear of parking brake lever	
Power Distribution Box	1992 - 1998	Rear left of engine compartment	Fig. 2. Fig. 7. Fig. 10.
Radio Microswitch	1992 - 1996	Center console behind radio	
Radio Receiver	1997 - 1998	Right rear luggage compartment	
Relay And Fuse Box (Power Distribution Box)	1992 - 1998	Left side of engine compartment	Fig. 2. Fig. 7. Fig. 10.
Rear Window Blower	1994 - 1998	Behind rear seat (convertible)	
Rear Window Blower Microswitch	1994 - 1994	At convertible top linkage	
Rear Window Blower Microswitch	1995 - 1998	Behind rear seat (convertible)	
Rear Window Blower Relay	1994 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Rear Window Defogger Relay	1992 - 1998	Power distribution box	Fig. 2.
Reversing (Back-up) Light Switch	1992 - 1998	Right or left side top of transmission	Fig. 30.
Splice Panel, Right	1992 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Rollover Protection Actuator	1994 - 1998	Behind rear seat (convertible)	

Continued

COMPONENT LOCATIONS

Table a. E36 Component Locations

Component	Model Year	Location	Refer to
Rollover Sensor	1994 - 1998	In lower left C-pillar behind trim panel (Convertible)	
Seat Belt Switch	1992 - 1998	In front seat belt buckle	
Seat Cushion Tilt Motor	1992 - 1998	Under front seat	
Seat Heater	1993 - 1998	Under front seat	
Seat Height Motor Front	1992 - 1998	Under front seat	
Seat Movement Motor	1992 - 1998	Under front seat	
Seatback Heater	1993 - 1998	In upper front seatback	
Seatback Recliner Motor	1993 - 1998	Under front seat	
Seat Occupancy Detector	1994 - 1998	Under right front seat	
Secondary Air Pump (4-cyl.)	1997½ - 1998	Left engine compartment, below power distribution box (M44 engine)	
Secondary Air Pump (6-cyl.)	1996 - 1998	Front of engine compartment (M52/S52US engine)	
Secondary Air Pump Relay	1996 - 1998	Power distribution box	Fig. 2.
Secondary Air Pump Valve	1996 - 1998	Right side of engine	
Side Impact Air Bag Right/Left	1997 - 1998	Behind right/left door trim panel	
Side Impact Airbag Crash Sensor, Right/Left	1997 - 1998	Right/left door sill behind front seat	
Shift Interlock	1992 - 1998	Center console beside shift selector	
Slip Control Module (ABS/AST)	1992 - 1998	Behind glove compartment	Fig. 8. Fig. 9.
Splice Panel, Left Side	1992 - 1998	Behind footwell speaker grill	Fig. 5.
Splice Panel, Right Side	1992 - 1998	Behind glove compartment	Fig. 6.
Starter	1992 - 1998	Left rear of engine	
Starter Immobilization Relay	1994 - 1998	In left splice panel behind footwell speaker grill	
Starter Relay	1992 - 1993	Below left side of dash	
Starter Relay	1994 - 1998	Behind left footwell speaker grill	
Sunroof Control Assembly	1992 - 1998	In roof center panel	
Supplemental Restraint System (Airbag) Control Module	1992 - 1993	Behind glove compartment	Fig. 8. Fig. 9.
Supplemental Restraint System (Airbag ZAE) Control Module	1994 - 1998	Under center of rear seat	
Switch, Power Window	1992 - 1998	Center console	
Telephone Eject Box	1994 - 1996	Center console	
Telephone Transceiver	1992 - 1992	In luggage compartment	
Throttle Flap Heater	1994 - 1996	Left side of engine	
Throttle Position Sensor	1992 - 1998	Left side of engine in throttle housing	Fig. 7. Fig. 15. Fig. 21.

Continued

COMPONENT LOCATIONS

610-18 ELECTRICAL COMPONENT LOCATIONS

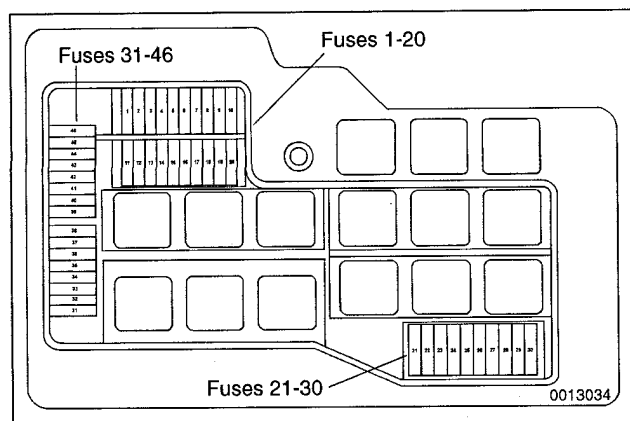
Table a. E36 Component Locations

Component	Model Year	Location	Refer to
Transmission Control Module	1992 - 1998	Right rear engine compartment behind panel	Fig. 7.
Transmission Range Switch (Gear Position/Neutral Safety Switch)	1992 - 1998	Next to gear shift lever in center console	Fig. 29.
Transmission Valve Unit	1992 - 1993	In transmission oil pan	
Transmission Valve Unit	1994 - 1998	On left side of transmission	
Trunk Lid Microswitch	1994 - 1998	In trunk lid	
Trunk Lid Relay	1994 - 1998	Behind glove compartment (convertible)	Fig. 8. Fig. 9.
Trunk Light Switch	1992 - 1998	Left underside of trunk lid	
Trunk Lock Motor	1992 - 1998	Rear of luggage compartment	
Unloader Relay	1992 - 1998	In left splice panel behind footwell speaker grille	Fig. 5.
Variable Camshaft Control Module (VANOS)	1994 - 1996	Rear right side of engine compartment	
Variable Camshaft Control (VANOS)	1993 - 1998	Front of cylinder head	
Vehicle Speed Sensor	1992 - 1998	On final drive	
Volume Air Flow Sensor (M42 Engine)	1992 - 1995	Left side of engine compartment	Fig. 7.
Washer Fluid Level Sensor	1992 - 1998	Right front of engine compartment	
Washer Pump	1992 - 1998	Right side of engine compartment on windshield washer reservoir	Fig. 7.
Wiper Motor	1992 - 1998	Rear engine compartment	
Wiper Motor Relay	1992 - 1998	In left splice panel behind footwell speaker grill	Fig. 5.
Wiper Relay	1992 - 1998	Behind glove compartment	Fig. 8./ Fig. 9.
Wiper/Washer Module	1992-1993 (early)	Left side of footwell under foot rest	
Wiper/Washer Module	1993 (late)-1998	Behind glove compartment	Fig. 8. Fig. 9.
ZAE Airbag Control Module	1994 - 1998	On center tunnel under rear seat cushion	
ZKE IV Control Module	1994 - 1998	Behind glove compartment	Fig. 8. Fig. 9.

FUSE POSITION TABLES

Table b through **Table g** list fuse positions in the power distribution box and, where applicable, in the auxiliary relay panel, the left side splice panel and the luggage compartment. Refer to the beginning of this repair group for locations of these panels.

610-20 ELECTRICAL COMPONENT LOCATIONS



Fuse positions 1-46 in front power distribution box

Table b. 1992 E36 Fuse Positions

Fuse	Rating	Protected Circuit
1	30A	Power sunroof (see also fuse 13)
2		Not used
3	30A	Headlight washer
4	15A	Heated seats (see also fuse 23)
5	30A	Power seats (see also fuse 40)
6	20A	Rear window defogger (see also fuse 23)
7	5A	Anti-theft system (Alpine) (see also fuse 43) Central locking (ZVM II) (see also fuse 35, 43)
8	15A	Horn
9	20A	Sound system (see also fuse 44)
10	30A	ABS (see also fuse 21, 27, 38, 46)
11	7.5A	Crash control module (see also fuse 12, 25, 29, 34) Headlights/foglights (see also fuse 12, 15, 22, 23, 25, 29, 30) On-Board Computer (see also fuse 12, 23, 27, 31, 33, 37, 45, 46)
12	7.5A	Crash control module (see also fuse 11, 25, 29, 34) Headlights/foglights (see also fuse 11, 15, 22, 23, 25, 29, 30) On-Board Computer (see also fuse 11, 23, 27, 31, 33, 37, 45, 46)
13	5A	Power sunroof (see also fuse 1) Power windows (see also fuse 14)
14	30A	Power windows (see also fuse 13)
15	5A	Headlights/foglights (see also fuse 11, 12, 22, 23, 25, 29, 30)
16	5A	Engine control module (see also fuse 28) Heating and A/C (IHKR E36)(see also fuse 20, 23, 31, 37, 39, 41)
17		Not used

Table b. 1992 E36 Fuse Positions

Fuse	Rating	Protected Circuit
18	15A	Fuel pump
19	15A	Park ventilation (see also fuse 20)
20	30A	Heating and A/C (IHKR E36)(see also fuse 16, 23, 31, 37, 39, 41) Park ventilation (see also fuse 19)
21	5A	ABS (see also fuse 10, 27, 38, 46)
22	5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25, 29, 30) Instrument illumination (see also fuse 25, 33, 37) Park/taillights (see also fuse 33, 37)
23	5A	Multi-function clock (see also fuse 27, 31, 45, 46) Headlights/foglights (see also fuse 11, 12, 15, 22, 25, 29, 30) Heated seats (see also fuse 4) Heating and A/C (IHKR E36)(see also fuse 16, 20, 31, 37, 39, 41) Instrument cluster (see also fuse 27, 31, 46) On-Board Computer (see also fuse 11, 12, 27, 31, 33, 37, 45, 46) Rear window defogger (see also fuse 6) Turn signals/hazard lights (see also fuse 34)
24	10A	Power mirrors
25	5A	Crash control module (see also fuse 11, 12, 29, 34) Headlights/foglights (see also fuse 11, 12, 15, 22, 23, 29, 30) Instrument illumination (see also fuse 22, 33, 37)
26	15A	Back-up lights Electronic transmission control (A4S 310R) (see also fuse 28, 46)
27	5A	ABS (see also fuse 10, 21, 38, 46) Multi-function clock (see also fuse 23, 31, 45, 46) Instrument cluster (see also fuse 23, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 31, 33, 37, 45, 46)
28	5A	Cruise control (see also fuse 46) Engine control module (see also fuse 16) Starting system Electronic transmission control (A4S 310R) (see also fuse 26, 46)
29	7.5A	Crash control module (see also fuse 11, 12, 25, 34) Headlights/foglights (see also fuse 11, 12, 15, 22, 23, 25, 30)
30	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 22, 23, 25)
31	5A	Multi-function clock (see also fuse 23, 27, 45, 46) Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 37, 39, 41) Instrument cluster (see also fuse 23, 27, 46) On-Board Computer (see also fuse 11, 12, 23, 27, 33, 37, 45, 46)

Table b. 1992 E36 Fuse Positions

Fuse	Rating	Protected Circuit
32	30A	Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 33, 37, 44)
33	10A	Cellular telephone (see also fuse 43) Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 32, 37, 44) Interior lights (also see fuse 43) License plate/luggage compartment lights (see also fuse 37) Instrument illumination (see also fuse 22, 25, 37) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 37, 45, 46) Park/taillights (see also fuse 22, 37)
34	15A	Crash control module (see also fuse 11, 12, 25, 29) Turn signals/hazard lights (see also fuse 23)
35	25A	Central locking (ZVM II) (see also fuse 7, 43)
36	30A	Wiper/washer (see also fuse 37, 44, 45)
37	10A	Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 32, 33, 44) Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 39, 41) Instrument illumination (see also fuse 22, 25, 33) License plate/luggage compartment lights (see also fuse 33) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 45, 46) Park/taillights (see also fuse 22, 33) Wiper/washer (see also fuse 36, 44, 45)
38	30A	ABS (see also fuse 10, 21, 27, 46)
39	7.5A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 41)
40	30A	Power seats (see also fuse 5)
41	30A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 39) Radiator auxiliary fan
42	7.5A	Not used
43	5A	Anti-theft system (Alpine) (see also fuse 7) Cellular telephone (see also fuse 33) Central locking (ZVM II) (see also fuse 7, 35) Interior lights (also see fuse 33)
44	15A	Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 32, 33, 37) Sound system (see also fuse 9) Wiper/washer (see also fuse 36, 37, 45)
45	7.5A	Multi-function clock (see also fuse 23, 27, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 37, 46) Wiper/washer (see also fuse 36, 37, 44)

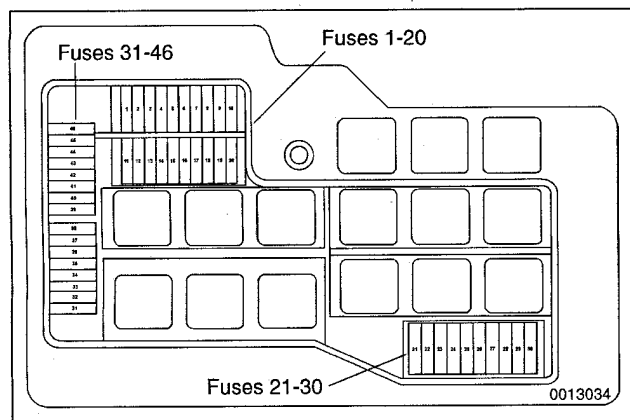
Table b. 1992 E36 Fuse Positions

Fuse	Rating	Protected Circuit
46	15A	ABS (see also fuse 10, 21, 27, 38) Brake lights Multi-function clock (see also fuse 23, 27, 31, 45) Cruise control (see also fuse 28) Electronic transmission control (A4S 310R) (see also fuse 26, 28) Instrument cluster (see also fuse 23, 27, 31) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 37, 45)

WARNING —

Fuse designations and locations are subject to change, and may vary from car to car, depending on options. If questions arise, please remember that an authorized BMW dealer is the best source for the most accurate and up-to-date information.

610-22 ELECTRICAL COMPONENT LOCATIONS



Fuse positions 1-46 in front power distribution box

Table c. 1993 E36 Fuse Positions

fuse	Rating	Protected Circuit
1	30A	Power sunroof
2		Not used
3	30A	Headlight washer
4	15A	Heated seats (see also fuse 23)
5	30A	Power seats (see also fuse 40)
6	20A	Rear window defogger (see also fuse 23)
7	5A	Central locking (ZVM) (see also fuse 35, 43)
8	15A	Anti-theft (Alpine) (see also fuse 43) Horn
9	20A	Sound system (see also fuse 44)
10	30A	ABS (see also fuse 21, 27, 38, 46)
11	7.5A	Headlights/foglights (see also fuse 12, 15, 23, 25, 29, 30) On-Board Computer (see also fuse 12, 23, 27, 31, 33, 37, 45, 46)
12	7.5A	Headlights/foglights (see also fuse 11, 15, 23, 25, 29, 30) On-Board Computer (see also fuse 11, 23, 27, 31, 33, 37, 45, 46)
13	5A	Not used
14	30A	Power windows (see also fuse 33)
15	5A	Headlights/foglights (see also fuse 11, 12, 23, 25, 29, 30)
16	5A	Engine control module (see also fuse 28) Heating and A/C (IHKR E36)(see also fuse 20, 23, 31, 37, 39, 41)
17		Not used
18	15A	Fuel pump
19	15A	Not used
20	30A	Heating and A/C (IHKR E36)(see also fuse 16, 23, 31, 37, 39, 41) Park ventilation

Table c. 1993 E36 Fuse Positions

fuse	Rating	Protected Circuit
21	5A	ABS (see also fuse 10, 27, 38, 46)
22	5A	Instrument illumination (see also fuse 25, 33, 37) Park/taillights (see also fuse 33, 37)
23	5A	Multi-function clock (see also fuse 27, 31, 45, 46) Headlights/foglights (see also fuse 11, 12, 15, 25, 29, 30) Heated seats (see also fuse 4) Heating and A/C (IHKR E36)(see also fuse 16, 20, 31, 37, 39, 41) Instrument cluster (see also fuse 27, 31, 46) On-Board Computer (see also fuse 11, 12, 27, 31, 33, 37, 45, 46) Rear window defogger (see also fuse 6) Turn signals/hazard lights (see also fuse 34)
24	10A	Power mirrors
25	5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 29, 30) Instrument illumination (see also fuse 22, 33, 37)
26	10A	Back-up lights Electronic transmission control (A4S 310R) (see also fuse 28, 46)
27	5A	ABS (see also fuse 10, 21, 38, 46) Multi-function clock (see also fuse 23, 31, 45, 46) Instrument cluster (see also fuse 23, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 31, 33, 37, 45, 46)
28	5A	Cruise control (see also fuse 46) Engine control module (see also fuse 16) Starting system Electronic transmission control (A4S 310R) (see also fuse 26, 46)
29	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25, 30)
30	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25)
31	5A	Multi-function clock (see also fuse 23, 27, 45, 46) Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 37, 39, 41) Instrument cluster (see also fuse 23, 27, 46) On-Board Computer (see also fuse 11, 12, 23, 27, 33, 37, 45, 46)
32	30A	Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 33, 37, 44)

Table c. 1993 E36 Fuse Positions

fuse	Rating	Protected Circuit
33	10A	Cellular telephone (see also fuse 43) Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 32, 37, 44) Interior lights (also see fuse 43) License plate/luggage compartment lights (see also fuse 37) Instrument illumination (see also fuse 22, 25, 37) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 37, 45, 46) Park/taillights (see also fuse 22, 37) Power windows (see also fuse 14)
34	15A	Crash control module Turn signals/hazard lights (see also fuse 23)
35	25A	Central locking (ZVM II) (see also fuse 7, 43)
36	30A	Wiper/washer (see also fuse 37, 44, 45)
37	10A	Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 32, 33, 44) Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 39, 41) Instrument illumination (see also fuse 22, 25, 33) License plate/luggage compartment lights (see also fuse 33) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 45, 46) Park/taillights (see also fuse 22, 33) Wiper/washer (see also fuse 36, 44, 45)
38	30A	ABS (see also fuse 10, 21, 27, 46)
39	7.5A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 41)
40	30A	Power seats (see also fuse 5)
41	30A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 39) Radiator auxiliary fan
42	7.5A	Airbag (SRS) (see also fuse 43)
43	5A	Anti-theft system (Alpine) (see also fuse 8) Airbag (SRS) (see also fuse 42) Cellular telephone (see also fuse 33) Central locking (ZVM II) (see also fuse 7, 35) Interior lights (also see fuse 33)
44	15A	Glove compartment light/cassette compartment/ashtray light/charging socket/cigar lighter (see also fuse 32, 33, 37) Sound system (see also fuse 9) Wiper/washer (see also fuse 36, 37, 45)
45	7.5A	Multi-function clock (see also fuse 23, 27, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 37, 46) Wiper/washer (see also fuse 36, 37, 44)

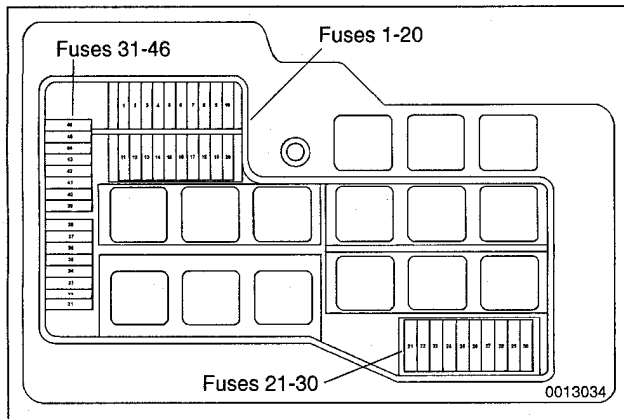
Table c. 1993 E36 Fuse Positions

fuse	Rating	Protected Circuit
46	15A	ABS (see also fuse 10, 21, 27, 38) Brake lights Multi-function clock (see also fuse 23, 27, 31, 45) Cruise control (see also fuse 28) Electronic transmission control (A4S 310R) (see also fuse 26, 28) Instrument cluster (see also fuse 23, 27, 31) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 37, 45)

WARNING —

Fuse designations and locations are subject to change, and may vary from car to car, depending on options. If questions arise, please remember that an authorized BMW dealer is the best source for the most accurate and up-to-date information.

610-24 ELECTRICAL COMPONENT LOCATIONS



Fuse positions 1-46 in front power distribution box

Table d. 1994 E36 Fuse Positions

fuse	Rating	Protected Circuit
1	30A	Power sunroof
2	15A	Not used
3	30A	Headlight washer (also see fuse 37)
4	15A	Heated seats (see also fuse 23)
5	30A	Power seats (see also fuse 40)
6	20A	Rear window defogger/blower (see also fuse 23)
7	5A	Central body electronics (ZKE IV) (convertible only) (see also fuse 33, 43) Central locking (see also fuse 35, 43) Convertible roof (see also fuse 35, 43) Roll-over protection (see also fuse 35, 42, 43)
8	15A	Horn
9	20A	Sound system (see also fuse 44)
10	30A	ABS (see also fuse 21, 38, 46) AST (see also fuse 21, 38)
11	7.5A	Headlights/foglights (see also fuse 12, 15, 23, 25, 29, 30) On-Board Computer (see also fuse 12, 23, 27, 31, 33, 37, 45, 46)
12	7.5A	Headlights/foglights (see also fuse 11, 15, 23, 25, 29, 30) On-Board Computer (see also fuse 11, 23, 27, 31, 33, 37, 45, 46)
13	5A	Not used
14	30A	Front power windows
15	15A	Headlights/foglights (see also fuse 11, 12, 23, 25, 29, 30)

Table d. 1994 E36 Fuse Positions

fuse	Rating	Protected Circuit
16	5A	Engine control module (see also fuse 28) Heating and A/C (IHKR E36)(see also fuse 20, 23, 31, 37, 39, 41)
17	10A	Not used
18	15A	Fuel pump
19	30A	Rear power windows
20	30A	Blower motor Heating and A/C (IHKR E36) (see also fuse 16, 23, 31, 37, 39, 41) Park ventilation
21	5A	ABS (see also fuse 10, 38, 46) AST (see also fuse 10, 38)
22	5A	Instrument illumination (see also fuse 25, 37) Park/taillights (see also fuse 33, 37)
23	5A	Headlights/foglights (see also fuse 11, 12, 15, 25, 29, 30) Heated seats (see also fuse 4) Heating and A/C (IHKR E36)(see also fuse 16, 20, 31, 37, 39, 41) Instrument cluster (see also fuse 27, 31, 46) On-Board Computer (see also fuse 11, 12, 27, 31, 33, 37, 45, 46) Rear window defogger/blower (see also fuse 6) Turn signals/hazard lights (see also fuse 34)
24	10A	Power mirrors
25	5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 29, 30) Instrument illumination (see also fuse 22, 37)
26	10A	Back-up lights Electronic transmission control (A4S 310R) (see also fuse 26, 46)
27	5A	Instrument cluster (see also fuse 23, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 31, 33, 37, 45, 46)
28	5A	Cruise control (see also fuse 46) Engine control module (see also fuse 16) Starting system Electronic transmission control (A4S 310R) (see also fuse 26, 46)
29	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25, 30)
30	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25)
31	5A	Multi-function clock Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 37, 39, 41) Instrument cluster (see also fuse 23, 27, 46) On-Board Computer (see also fuse 11, 12, 23, 27, 33, 37, 45, 46)
32	30A	Cigar lighter/ashtray lights

FUSE POSITION TABLES

Table d. 1994 E36 Fuse Positions

fuse	Rating	Protected Circuit
33	10A	Central body electronics (ZKE IV) (see also fuse 7, 43) Charging socket Interior lights (also see fuse 43) License plate/luggage compartment lights (see also fuse 37) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 37, 45, 46) Park/taillights (see also fuse 22, 37) Telephone (see also fuse 43)
34	15A	Crash control module Turn signals/hazard lights (see also fuse 23)
35	25A	Central locking (see also fuse 7, 43) Convertible roof (see also fuse 7, 43) Roll-over protection (see also fuse 7, 42, 43)
36	30A	Wiper/washer (see also fuse 37, 44, 45)
37	10A	Cassette compartment light Engine compartment light Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 39, 41) Instrument illumination (see also fuse 22, 25) License plate/luggage compartment lights (see also fuse 33) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 45, 46) Park/taillights (see also fuse 22, 33) Wiper/washer (see also fuse 36, 44, 45)
38	30A	ABS (see also fuse 10, 21, 46) AST (see also fuse 10, 21)
39	7.5A	Heating and A/C (IHKR E36) (see also fuse 16, 20, 23, 31, 37, 41)
40	30A	Power seats (see also fuse 5)
41	30A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 39) Radiator auxiliary fan
42	7.5A	Airbag (SRS) (see also fuse 43) Roll-over protection (see also fuse 7, 35, 43)
43	5A	Anti-theft system (Alpine) Airbag (SRS) (see also fuse 42) Central body electronics (ZKE IV) (see also fuse 7, 33) Central locking (see also fuse 7, 35) Convertible roof (see also fuse 7, 35) Interior lights (also see fuse 33) Roll-over protection (see also fuse 7, 35, 42) Telephone (see also fuse 33)
44	15A	Glove compartment light Sound system (see also fuse 9) Wiper/washer (see also fuse 36, 37, 45)
45	7.5A	On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 37, 46) Wiper/washer (see also fuse 36, 37, 44)

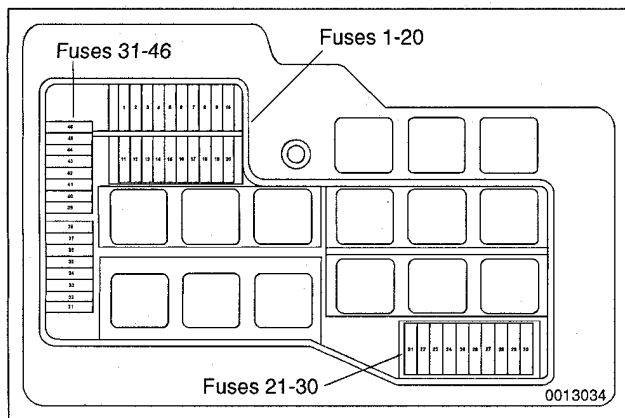
Table d. 1994 E36 Fuse Positions

fuse	Rating	Protected Circuit
46	15A	ABS (see also fuse 10, 21, 38) Brake lights Multi-function clock (see also fuse 23, 27, 31, 45) Cruise control (see also fuse 28) Electronic transmission control (A4S 310R) (see also fuse 26, 28) Instrument cluster (see also fuse 23, 27, 31) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 37, 45)

WARNING —

Fuse designations and locations are subject to change and may vary from car to car, depending on options. If questions arise, please remember that an authorized BMW dealer is the best source for the most accurate and up-to-date information.

610-26 ELECTRICAL COMPONENT LOCATIONS



Fuse positions 1-46 in front power distribution box

Table e. 1995 E36 Fuse Positions

fuse	Rating	Protected Circuit
1	30A	Power sunroof
2	15A	Not used
3	30A	Headlight washer (also see fuse 37)
4	15A	Heated seats (see also fuse 23)
5	30A	Power seats (see also fuse 40)
6	20A	Rear window defogger/blower (see also fuse 23)
7	5A	Central body electronics (ZKE IV) (convertible only) (see also fuse 14, 31, 33, 35, 43) Central locking (see also fuse 26, 28, 35) Convertible roof (see also fuse 27, 35, 42, 43) Interior lights (also see fuse 33, 43) Roll-over protection (see also fuse 35, 42, 43)
8	15A	Horn
9	20A	Sound system (see also fuse 33, 44)
10	30A	ABS (see also fuse 21, 23, 27, 38, 46, 47) AST (see also fuse 21, 26, 27, 38, 46)
11	7.5A	Headlights/foglights (see also fuse 12, 15, 17, 23, 25, 29, 30) On-Board Computer (see also fuse 12, 23, 27, 31, 33, 37, 45, 46)
12	7.5A	Headlights/foglights (see also fuse 11, 15, 17, 23, 25, 29, 30) On-Board Computer (see also fuse 11, 23, 27, 31, 33, 37, 45, 46)
13	5A	Not used
14	30A	Central body electronics (ZKE IV) (see also fuse 7, 14, 31, 33, 35, 43) Front power windows
15	15A	Headlights/foglights (see also fuse 11, 12, 17, 23, 25, 29, 30)

Table e. 1995 E36 Fuse Positions

fuse	Rating	Protected Circuit
16	5A	Engine control module (see also fuse 28, 39) Heating and A/C (IHKR E36)(see also fuse 20, 23, 31, 37, 39, 41)
17	10A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25, 29, 30)
18	15A	Fuel pump
19	30A	Rear power windows
20	30A	Blower motor Heating and A/C (IHKR E36) (see also fuse 16, 23, 31, 37, 39, 41) Park ventilation
21	5A	ABS (see also fuse 10, 23, 27, 38, 46, 47) AST (see also fuse 10, 26, 27, 38, 46)
22	5A	Instrument illumination (see also fuse 25, 33, 37) Park/taillights (see also fuse 33, 37)
23	5A	ABS (see also fuse 10, 21, 27, 38, 46) Headlights/foglights (see also fuse 11, 12, 15, 17, 25, 29, 30) Heated seats (see also fuse 4) Heating and A/C (IHKR E36)(see also fuse 16, 20, 31, 37, 39, 41) Instrument cluster (see also fuse 27, 31, 46) Multi-function clock (see also fuse 26, 27, 31, 45, 46) On-Board Computer (see also fuse 11, 12, 27, 31, 33, 37, 45, 46) On-Board Display (see also fuse 26, 27, 31, 45, 46) Rear window defogger/blower (see also fuse 6) Turn signals/hazard lights (see also fuse 34)
24	10A	Power mirrors
25	5A	Headlights/foglights (see also fuse 11, 12, 15, 17, 23, 29, 30) Instrument illumination (see also fuse 22, 33, 37)
26	10A	AST (see also fuse 10, 21, 27, 38, 46) Back-up lights Central locking (see also fuse 7, 28, 35) Electronic transmission control (A4S 310R/Z) (see also fuse 28, 46) Multi-function clock (see also fuse 23, 27, 31, 45, 46) On-Board Display (see also fuse 23, 27, 31, 45, 46) Starting system (see also fuse 28)
27	5A	ABS (see also fuse 10, 21, 23, 38, 46, 47) AST (see also fuse 10, 21, 26, 38, 46) Convertible roof (see also fuse 7, 35, 42, 43) Instrument cluster (see also fuse 23, 31, 46) Multi-function clock (see also fuse 23, 26, 31, 45, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 31, 33, 37, 45, 46) On-Board Display (see also fuse 23, 31, 45, 46)

Table e. 1995 E36 Fuse Positions

fuse	Rating	Protected Circuit
28	5A	Central locking (see also fuse 7, 26, 35) Cruise control (see also fuse 46) Engine control module (see also fuse 16, 39) Electronic transmission control (A4S 310R/Z) (see also fuse 26, 46) Starting system (see also fuse 26)
29	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 17, 23, 25, 30)
30	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 17, 23, 25, 29)
31	5A	Central body electronics (ZKE IV) (see also fuse 7, 14, 33, 35, 43) Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 37, 39, 41) Instrument cluster (see also fuse 23, 27, 46) Multi-function clock (see also fuse 23, 26, 27, 45, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 33, 37, 45, 46) On-Board Display (see also fuse 23, 27, 45, 46)
32	30A	Cigar lighter/ashtray lights
33	10A	Central body electronics (ZKE IV) (see also fuse 7, 14, 31, 35, 43) Charging socket Door lock heating Instrument illumination (see also fuse 22, 25, 37) Interior lights (also see fuse 7, 43) License plate/luggage compartment lights (see also fuse 37) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 37, 45, 46) Park/taillights (see also fuse 22, 37) Sound system (see also fuse 9, 44) Telephone (see also fuse 43)
34	15A	Crash control module Turn signals/hazard lights (see also fuse 23)
35	25A	Central body electronics (ZKE IV) (see also fuse 7, 14, 31, 33, 43) Central locking (see also fuse 7, 26, 28) Convertible roof (see also fuse 7, 27, 42, 43) Roll-over protection (see also fuse 7, 42, 43)
36	30A	Wiper/washer (see also fuse 37, 44, 45)
37	10A	Cassette compartment light Engine compartment light Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 39, 41) Instrument illumination (see also fuse 22, 25, 33) License plate/luggage compartment lights (see also fuse 33) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 45, 46) Park/taillights (see also fuse 22, 33) Wiper/washer (Canada only) (see also fuse 36, 44, 45)
38	30A	ABS (see also fuse 10, 21, 23, 27, 46, 47) AST (see also fuse 10, 21, 26, 27, 46)

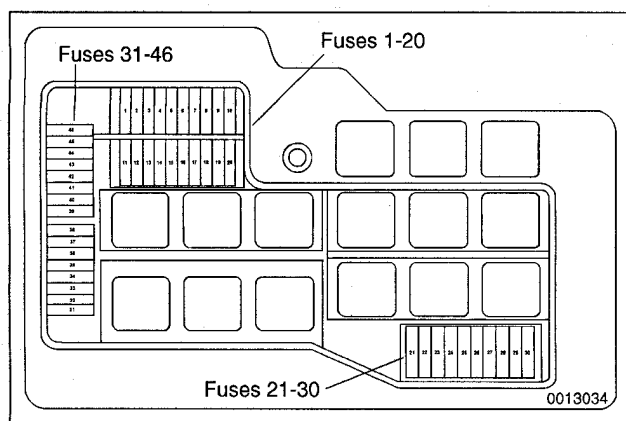
Table e. 1995 E36 Fuse Positions

fuse	Rating	Protected Circuit
39	7.5A	Engine control module (see also fuse 16, 28) Heating and A/C (IHKR E36) (see also fuse 16, 20, 23, 31, 37, 41)
40	30A	Power seats (see also fuse 5)
41	30A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 39) Radiator auxiliary fan
42	7.5A	Airbag (SRS) (see also fuse 43) Convertible roof (see also fuse 7, 27, 35, 43) Roll-over protection (see also fuse 7, 35, 43)
43	5A	Anti-theft system (Alpine) (see also fuse 47) Airbag (SRS) (see also fuse 42) Central body electronics (ZKE IV) (see also fuse 7, 14, 31, 33, 35) Central locking (see also fuse 7, 35) Convertible roof (see also fuse 7, 27, 35, 42) Interior lights (also see fuse 7, 33) Roll-over protection (see also fuse 7, 35, 42) Telephone (see also fuse 33)
44	15A	Glove compartment light Sound system (see also fuse 9, 33) Wiper/washer (see also fuse 36, 37, 45)
45	7.5A	Multi-function clock (see also fuse 23, 26, 27, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 37, 46) On-Board Display (see also fuse 23, 27, 31, 46) Wiper/washer (Canada only) (see also fuse 36, 37, 44)
46	15A	ABS (see also fuse 10, 21, 23, 27, 38, 47) AST (see also fuse 10, 21, 26, 27, 38) Brake lights Cruise control (see also fuse 28) Electronic transmission control (A4S 310R) (see also fuse 26, 28) Instrument cluster (see also fuse 23, 27, 31) Multi-function clock (see also fuse 23, 26, 27, 31, 45) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 37, 45) On-Board Display (see also fuse 23, 27, 31, 45)
47	15A	ABS (see also fuse 10, 21, 23, 27, 38, 46) Anti-theft system (Alpine) (see also fuse 43)
48	40A	Not used

WARNING —

• Fuse designations and locations are subject to change, and may vary from car to car, depending on options. If questions arise, please remember that an authorized BMW dealer is the best source for the most accurate and up-to-date information.

• To locate fuses 47-48, refer to **Fuse and Relay Positions** in this repair group.



Fuse positions 1-46 in front power distribution box

Table f. 1996 E36 Fuse Positions

fuse	Rating	Protected Circuit
1	30A	Power sunroof (see also fuse 13)
2	15A	Not used
3	30A	Headlight washer (also see fuse 37)
4	15A	Heated seats (see also fuse 23)
5	30A	Power seats (see also fuse 40)
6	20A	Rear window defogger/blower (see also fuse 23)
7	5A	Central body electronics (ZKE IV) (convertible only) (see also fuse 14, 33, 35, 43) Central locking (see also fuse 26, 28, 35) Convertible roof (see also fuse 27, 35, 42, 43) Interior lights (also see fuse 33, 43) Roll-over protection (see also fuse 35, 42, 43)
8	15A	Horn
9	20A	Sound system (see also fuse 44)
10	30A	ABS (see also fuse 21, 23, 27, 38, 46, 47) AST (see also fuse 21, 26, 27, 38, 46)
11	7.5A	Headlights/foglights (see also fuse 12, 15, 17, 23, 25, 29, 30) On-Board Computer (see also fuse 12, 23, 27, 31, 33, 37, 45, 46)
12	7.5A	Headlights/foglights (see also fuse 11, 15, 17, 23, 25, 29, 30) On-Board Computer (see also fuse 11, 23, 27, 31, 33, 37, 45, 46)
13	5A	Power sunroof (see also fuse 1)
14	30A	Central body electronics (ZKE IV) (see also fuse 7, 14, 33, 35, 43) Front power windows
15	15A	Headlights/foglights (see also fuse 11, 12, 17, 23, 25, 29, 30)

Table f. 1996 E36 Fuse Positions

fuse	Rating	Protected Circuit
16	5A	Engine control module (see also fuse 28, 39) Heating and A/C (IHKR E36)(see also fuse 20, 23, 31, 37, 39, 41, 48)
17	10A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25, 29, 30)
18	15A	Fuel pump
19	30A	Rear power windows
20	30A	Blower motor Heating and A/C (IHKR E36) (see also fuse 16, 23, 31, 37, 39, 41, 48) Park ventilation
21	5A	ABS (see also fuse 10, 23, 27, 38, 46, 47) AST (see also fuse 10, 26, 27, 38, 46)
22	5A	Instrument illumination (see also fuse 25, 33, 37)
23	5A	ABS (see also fuse 10, 21, 27, 38, 46) Headlights/foglights (see also fuse 11, 12, 15, 17, 25, 29, 30) Heated seats (see also fuse 4) Heating and A/C (IHKR E36)(see also fuse 16, 20, 31, 37, 39, 41, 48) Instrument cluster (see also fuse 27, 31, 46) Multi-function clock (see also fuse 26, 27, 31, 45, 46) On-Board Computer (see also fuse 11, 12, 27, 31, 33, 37, 45, 46) On-Board Display (see also fuse 26, 27, 31, 45, 46) Rear window defogger/blower (see also fuse 6) Turn signals/hazard lights (see also fuse 34)
24	10A	Power mirrors
25	5A	Headlights/foglights (see also fuse 11, 12, 15, 17, 23, 29, 30) Instrument illumination (see also fuse 22, 33, 37)
26	10A	Airbag (SRS) (see also fuse 43) AST (see also fuse 10, 21, 27, 38, 46) Back-up lights Central locking (see also fuse 7, 28, 35) Electronic transmission control (A4S 310R/Z) (see also fuse 28, 46) Multi-function clock (see also fuse 23, 27, 31, 45, 46) On-Board Display (see also fuse 23, 27, 31, 45, 46) Starting system (see also fuse 28)
27	5A	ABS (see also fuse 10, 21, 23, 38, 46, 47) AST (see also fuse 10, 21, 26, 38, 46) Convertible roof (see also fuse 7, 35, 42, 43) Instrument cluster (see also fuse 23, 31, 46) Multi-function clock (see also fuse 23, 26, 31, 45, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 31, 33, 37, 45, 46) On-Board Display (see also fuse 23, 31, 45, 46)

Table f. 1996 E36 Fuse Positions

fuse	Rating	Protected Circuit
28	5A	Central locking (see also fuse 7, 26, 35) Cruise control (see also fuse 46) Engine control module (see also fuse 16, 39) Electronic transmission control (A4S 310R/Z) (see also fuse 26, 46) Driveaway protection (EWS II) (see also fuse 31, 46) Starting system (see also fuse 26)
29	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 17, 23, 25, 30)
30	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 17, 23, 25, 29)
31	5A	Driveaway protection (EWS II) (see also fuse 28, 46) Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 37, 39, 41, 48) Instrument cluster (see also fuse 23, 27, 46) Multi-function clock (see also fuse 23, 26, 27, 45, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 33, 37, 45, 46) On-Board Display (see also fuse 23, 27, 45, 46)
32	30A	Cigar lighter/ashtray lights
33	10A	Central body electronics (ZKE IV) (see also fuse 7, 14, 35, 43) Charging socket Engine compartment light (also see fuse 37) Instrument illumination (see also fuse 22, 25, 37) Interior lights (also see fuse 7, 43) License plate/luggage compartment lights (see also fuse 37) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 37, 45, 46) Park/taillights (see also fuse 37) Telephone (see also fuse 43)
34	15A	Crash control module Turn signals/hazard lights (see also fuse 23)
35	25A	Central body electronics (ZKE IV) (see also fuse 7, 14, 33, 43) Central locking (see also fuse 7, 26, 28) Convertible roof (see also fuse 7, 27, 42, 43) Roll-over protection (see also fuse 7, 42, 43)
36	30A	Wiper/washer (see also fuse 44, 45)
37	10A	Cassette compartment light Engine compartment light (also see fuse 33) Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 39, 41, 48) Instrument illumination (see also fuse 22, 25, 33) License plate/luggage compartment lights (see also fuse 33) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 45, 46) Park/taillights (see also fuse 33)
38	30A	ABS (see also fuse 10, 21, 23, 27, 46, 47) AST (see also fuse 10, 21, 26, 27, 46)

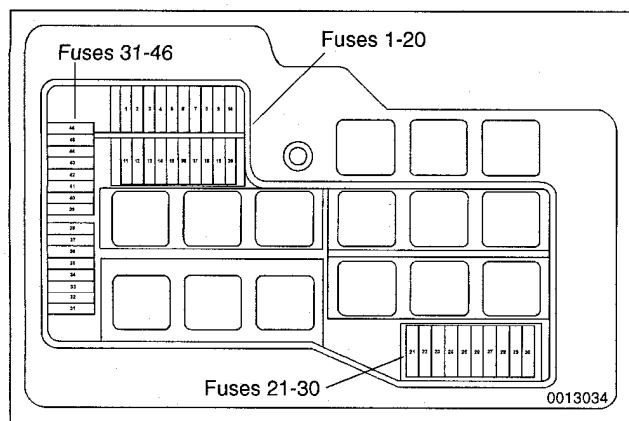
Table f. 1996 E36 Fuse Positions

fuse	Rating	Protected Circuit
39	7.5A	Engine control module (see also fuse 16, 28) Heating and A/C (IHKR E36) (see also fuse 16, 20, 23, 31, 37, 41, 48)
40	30A	Power seats (see also fuse 5)
41	30A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 39, 48) Radiator auxiliary fan
42	7.5A	Airbag (SRS) (see also fuse 26, 43) Convertible roof (see also fuse 7, 27, 35, 43) Roll-over protection (see also fuse 7, 35, 43)
43	5A	Anti-theft system (Alpine) (see also fuse 47) Airbag (SRS) (see also fuse 26, 42) Central body electronics (ZKE IV) (see also fuse 7, 14, 33, 35) Central locking (see also fuse 7, 35) Convertible roof (see also fuse 7, 27, 35, 42) Interior lights (also see fuse 7, 33) Roll-over protection (see also fuse 7, 35, 42) Telephone (see also fuse 33)
44	15A	Glove compartment light Sound system (see also fuse 9) Wiper/washer (see also fuse 36, 37, 45)
45	7.5A	Multi-function clock (see also fuse 23, 26, 27, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 37, 46) On-Board Display (see also fuse 23, 27, 31, 46) Wiper/washer (see also fuse 36, 44)
46	15A	ABS (see also fuse 10, 21, 23, 27, 38, 47) AST (see also fuse 10, 21, 26, 27, 38) Brake lights Cruise control (see also fuse 28) Driveaway protection (EWS II) (see also fuse 28, 31) Electronic transmission control (A4S 310R) (see also fuse 26, 28) Instrument cluster (see also fuse 23, 27, 31) Multi-function clock (see also fuse 23, 26, 27, 31, 45) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 37, 45) On-Board Display (see also fuse 23, 27, 31, 45)
47	15A	ABS (see also fuse 10, 21, 23, 27, 38, 46) Anti-theft (Alpine) (see also fuse 43)
48	40A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 37, 39, 41)

WARNING —

- Fuse designations and locations are subject to change and may vary from car to car, depending on options. If questions arise, please remember that an authorized BMW dealer is the best source for the most accurate and up-to-date information.
- To locate fuses 47-48, refer to **Fuse Positions** in this repair group.

610-30 ELECTRICAL COMPONENT LOCATIONS



Fuse positions 1-46 in front power distribution box

Table g. 1997-1998 E36 Fuse Positions

fuse	Rating	Protected Circuit
1	30A	Power sunroof
2	5A	Engine controls DME M5.2 (see also fuses 16, 18, 39, 46)
3	30A	Wiper/washer module (see also fuse 36, 37, 44)
4	15A	Heated seats (see also fuse 23)
5	30A	Power seats (see also fuse 40)
6	20A	Rear window defogger/blower (see also fuse 23, 43) Antenna (see also fuse 23)
7	5A	Central locking (see also fuse 28, 31, 35, 45) Convertible roof (see also fuse 24, 27, 42, 43, 49)
8	15A	Horn
9	20A	Sound system (see also fuse 33, 43, 44)
10	30A	ABS (see also fuse 21, 27, 38, 46) AST (see also fuse 21, 27, 38, 46)
11	7.5A	Headlights/foglights (see also fuse 12, 15, 23, 25, 29, 30) On-Board Computer (see also fuse 12, 23, 26, 27, 31, 33, 37, 45, 46)
12	7.5A	Headlights/foglights (see also fuse 11, 15, 23, 25, 29, 30) On-Board Computer (see also fuse 11, 23, 26, 27, 31, 33, 37, 45, 46)
13	5A	Not used
14	30A	Central body electronics (ZKE IV) (see also fuse 33, 35, 43) Power windows (see also fuse 19)
15	15A	Headlights/foglights (see also fuse 11, 12, 23, 25, 29, 30)

Table g. 1997-1998 E36 Fuse Positions

fuse	Rating	Protected Circuit
16	5A	Engine control DME M5.2 (see also fuse 2, 18, 39, 46) Engine control DME MS 41.1 (see also fuse 18, 39, 46, 50) Heating and A/C (IHKR E36) (see also fuse 20, 23, 31, 39, 41, 48)
17	10A	Not used
18	15A	Engine control DME M5.2 (see also fuse 2, 16, 39, 46) Engine control MS 41.1 (see also fuse 16, 39, 46, 50)
19	30A	Power windows (see also fuse 14)
20	30A	Blower motor Heating and A/C (IHKR E36) (see also fuse 16, 23, 31, 37, 39, 48) Park ventilation
21	5A	ABS (see also fuse 10, 27, 38, 46) AST (see also fuse 10, 27, 38, 46)
22	5A	Instrument illumination (see also fuse 25, 33, 37)
23	5A	Antenna (see also fuse 6) Headlights/foglights (see also fuse 11, 12, 15, 25, 29, 30) Heated seats (see also fuse 4) Heating and A/C (IHKR E36) (see also fuse 16, 20, 31, 39, 41, 48) Instrument cluster (see also fuse 27, 31, 45, 46) Multi-function clock (see also fuse 26, 27, 31, 45, 46) On-Board Computer (see also fuse 11, 12, 27, 31, 33, 37, 45, 46) On-Board Display (see also fuse 26, 27, 31, 45, 46) Rear window defogger/blower (see also fuse 6, 43) Turn signals/hazard lights (see also fuse 34)
24	10A	Convertible roof (see also fuse 7, 27, 42, 43, 49) Power mirrors
25	5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 29, 30) Instrument illumination (see also fuse 22, 33, 37)
26	10A	Back-up lights Electronic transmission control (A4S 310R/Z) (see also fuse 28, 46) Electronic transmission control (A5S 310Z) (see also fuses 28, 46) Multi-function clock (see also fuse 23, 27, 31, 45, 46) On-Board Computer (see also fuse 11, 12, 23, 27, 31, 33, 37, 45, 46)

Table g. 1997-1998 E36 Fuse Positions

fuse	Rating	Protected Circuit
27	5A	Airbag (SRS) (see also fuse 42) ABS (see also fuse 10, 21, 38, 46) AST (see also fuse 10, 21, 38, 46) Convertible roof (see also fuses 7, 24, 42, 43, 49) Instrument cluster (see also fuse 23, 31, 45, 46) Multi-function clock (see also fuse 23, 26, 31, 45, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 31, 33, 37, 45, 46) On-Board Display (see also fuse 23, 27, 31, 45, 46)
28	5A	Central locking (see also fuse 7, 31, 35, 45) Cruise control (see also fuse 46) Electronic transmission control (A4S 310R/Z) (see also fuse 26, 46) Electronic transmission control (A5S 310Z) (see also fuses 26, 46) Driveaway protection (EWS II) (see also fuse 31, 45) Starting system (see also fuse 31, 45)
29	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 23, 25, 30)
30	7.5A	Headlights/foglights (see also fuse 11, 12, 15, 17, 23, 25, 29)
31	5A	Central locking (see also fuse 7, 28, 35, 45) Driveaway protection (EWS II) (see also fuse 28, 45) Heating and A/C (IHKR E36) (see also fuse 16, 20, 23, 39, 41, 48) Instrument cluster (see also fuse 23, 27, 45, 46) Multi-function clock (see also fuse 23, 26, 27, 45, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 33, 37, 45, 46) On-Board Display (see also fuse 23, 26, 27, 31, 45, 46) Starting system (see also fuses 28, 45)
32	30A	Cassette compartment (see also fuses 33, 37, 44) Charging socket (see also fuses 33, 37, 44) Cigar lighter/ashtray lights (see also fuses 33, 37, 44) Glove compartment light (see also fuses 33, 37, 44)

Table g. 1997-1998 E36 Fuse Positions

fuse	Rating	Protected Circuit
33	10A	Ashtray light (see also fuses 32, 37, 44) Cassette compartment (see also fuses 32, 37, 44) Cellular phone (see also fuse 43) Central body electronics (ZKE IV) (see also fuse 14, 35, 43) Charging socket (see also fuses 32, 37, 44) Cigar lighter (see also fuses 32, 37, 44) Instrument illumination (see also fuse 22, 25, 37) Interior lights (see also fuse 43) Glove compartment light (see also fuse 32, 37, 44) License plate/luggage compartment lights (see also fuse 37) Luggage compartment light (see also fuse 37) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 37, 45, 46) Park/taillights (see also fuse 37) Sound system (see also fuses 9, 43, 44)
34	15A	Crash control module Turn signals/hazard lights (see also fuse 23)
35	25A	Central body electronics (ZKE IV) (see also fuse 14, 33, 43) Central locking (see also fuse 7, 28, 31, 45)
36	30A	Headlight washers (see also fuses 3, 37) Wiper/washer (see also fuse 3, 37, 44)
37	10A	Ashtray light (see also fuses 32, 33, 44) Cassette compartment light (see also fuses 32, 33, 44) Charging socket (see also fuses 32, 33, 44) Cigar lighter (see also fuses 32, 33, 44) Glove compartment light (see also fuses 32, 33, 44) License plate/luggage compartment lights (see also fuse 33) Instrument illumination (see also fuses 22, 25, 33) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 45, 46) Park/taillights (see also fuse 33) Wiper washer module (see also fuses 3, 36, 44)
38	30A	ABS (see also fuse 10, 21, 27, 46) AST (see also fuse 10, 21, 27, 46)
39	7.5A	Engine control DME M5.2 (see also fuse 16, 18, 46) Engine control DME MS 41.1 (see also fuses 16, 18, 46, 50) Heating and A/C (IHKR E36) (see also fuse 12, 20, 23, 31, 41, 48)
40	30A	Power seats (see also fuse 5)
41	30A	Heating and A/C (IHKR E36) (see also fuse 16, 20, 23, 31, 39, 48) Radiator auxiliary fan
42	7.5A	Airbag (SRS) (see also fuse 27) Convertible roof (see also fuse 7, 24, 27, 43, 49) Roll-over protection (see also fuse 43)

610-32 ELECTRICAL COMPONENT LOCATIONS

Table g. 1997-1998 E36 Fuse Positions

fuse	Rating	Protected Circuit
43	5A	Anti-theft system (Alpine) (see also fuse 47) Cellular phone (see also fuse 33) Central body electronics (ZKE IV) (see also fuse 14, 33, 35) Convertible roof (see also fuse 7, 24, 27, 42, 49) Interior lights (also see fuse 33) Rear window defogger/blower (see also fuse 6, 23) Roll-over protection (see also fuse 42) Sound system (see also fuses 9, 33, 44)
44	15A	Ashtray light (see also fuses 32, 33, 37) Cassette compartment light (see also fuses 32, 33, 37) Charging socket (see also fuses 32, 33, 37) Cigar lighter (see also fuses 32, 33, 37) Glove compartment light (see also fuses 32, 33, 37) Sound system (see also fuse 9, 33, 43) Wiper/washer (see also fuse 3, 36, 37)
45	7.5A	Central locking (see also fuses 7, 28, 31, 35) Drive-away protection (EWS II) (see also fuse 28, 29, 31) Instrument cluster (see also fuses 23, 27, 31, 46) Multi-function clock (see also fuse 23, 26, 27, 31, 46) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 37, 46) On-Board Display (see also fuse 23, 27, 31, 46) Starting system (see also fuses 28, 31)
46	15A	ABS (see also fuse 10, 21, 27, 38) AST (see also fuse 10, 21, 27, 38) Brake lights Cruise control (see also fuse 28) Electronic transmission control (A4S 310R) (see also fuse 26, 28) Electronic transmission control (A5S 310Z) (see also fuse 26, 28) Engine control DME M5.2 (see also fuses 2, 16, 18, 39) Engine control DME MS 41.1 (see also fuses 16, 18, 39, 50) Instrument cluster (see also fuse 23, 27, 31, 45) Multi-function clock (see also fuse 23, 26, 27, 31, 45) On-Board Computer (see also fuse 11, 12, 23, 26, 27, 31, 33, 37, 45)
47	15A	Anti-theft system (see also fuse 43)
48	40A	Heating and A/C (IHKR E36)(see also fuse 16, 20, 23, 31, 39, 41)
49	20A	Convertible roof (see also fuses 7, 24, 27, 42, 43)
50	5A	Engine control DME MS 41.1 (see also fuses 16, 18, 39, 46)

WARNING —

- Fuse designations and locations are subject to change and may vary from car to car, depending on options. If questions arise, please remember that an authorized BMW dealer is the best source for the most accurate and up-to-date information.
- To locate fuses 47-50, refer to **Fuse Positions** in this repair group.



FUSE POSITION TABLES