

Fuse and Relay Center Chart for Cars With ATC Fuse Panel (Generally 1984 and later) Plus Bulb List

(Published By Dan Sarandrea, 7/25/19)

The information below has been reproduced mainly from the glovebox Owners Manual of a 1986 Bertone X1/9, along with knowledge posted to XWebForums.com by participating members.

When referring to the relay chart, note that original equipment Bosch relays without the red strip end in part number 014 and are four-lug relays; original equipment Bosch relays with the red stripe end in part number 204 and are five-lug relays--they have an 87a terminal.

Also, note that for Circuit R, there is a misprint in the manual. The misprint calls for a 7.5A fuse, while a subsequent addendum corrects the fuse value to 25A. There has been a hand-written correction noted on the original photographed page.

ELECTRICAL SYSTEM

Voltage 12 Volts

Alternator

Continuous current rating 70 Amps

Battery (Maintenance-free type)

Capacity at 20-hr discharge rate 60 Amphr
Cold (Approx. 32° F - 18° C) high-
discharge test current 300 Amps

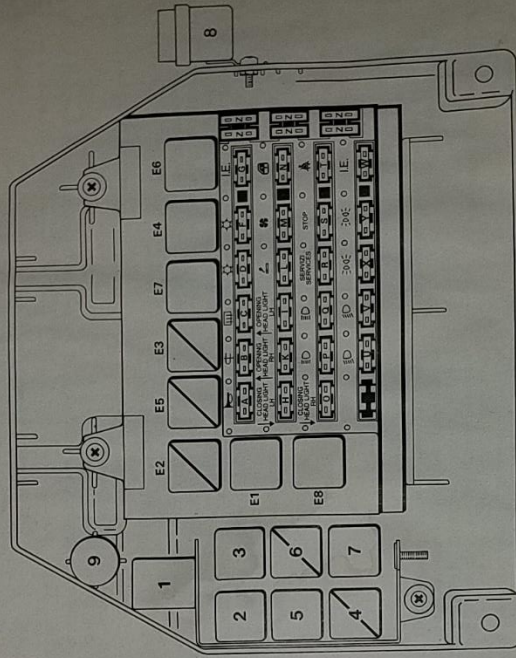
Fuses

Nine of 7.5 Amps; seven of 10 Amps; three of 20 Amps;
four of 25 Amps; six spare fuses.

Protected Circuits

A (20 Amps) Horns
B (10 Amps) Fuel injectors cooling fan and relay
switch winding
C (20 Amps) Back window defogger and indicator
lamp

Protected Circuits
D (25 Amps) A/C condenser fan (where fitted) or
spare fuse
F (25 Amps) A/C compressor switch (where fitted)
or spare fuse
G (10 Amps) Electronic fuel injection system
H (7.5 Amps) Headlight raising control switches
K (7.5 Amps) Headlight raising motor right
I (7.5 Amps) Headlight raising motor left
L (20 Amps) Cigarette lighter; clock; hazard warn-
ing switch; fasten belts and remove
key chime; courtesy light delay;
courtesy lamps; aerial motor (where
fitted)
M (25 Amps) Engine radiator fan
N (25 Amps) Power windows (where fitted)
O (7.5 Amps) Headlight closing control switch



Protected Circuits

P (10 Amps) Headlamp high beam left; high beams indicator lamp

Q (10 Amps) Headlamp high beam right

R (7.5 Amps) Turn signal and indicator; clock; windshield wiper and washer; 30,000 miles pick-up and indicator; low oil pressure warning lamp; coolant temperature gauge; voltmeter; low brake fluid level; parking brake "ON" indicator lamp; fuel gauge; fuel reserve indicator lamp; tachometer; fasten belts reminder indicator lamp; radio set (where fitted)

S (10 Amps) Heater fan; stop lights; back-up lights; back window defogger relay winding

T (7.5 Amps) Fasten belts indicator lamp delay; A/C compressor clutch relay switch winding (where fitted); fasten belts relay switch winding

U (10 Amps) Headlamp low beam right

V (10 Amps) Headlamp low beam left

Protected Circuits

X (7.5 Amps) Front parking light right; tail parking light left; from side marker right; tail side marker left; license plate light right

Y (7.5 Amps) Front parking light left; tail parking light right; parking lights indicator lamp; front side marker left; tail side marker right; license plate left; clock light; instrument cluster light; cigarette lighter lamp; switches lighting; fiber optic light source; A/C or heater control panel lighting; air outlets controls lighting

W (7.5 Amps) Electronic fuel injection system

Z Six spare fuses

Unprotected Circuits

Alternator, starting, ignition, charging indicator, radiator fan relay winding, parking lights and concealed headlights control relay winding, electronic injection relay set winding, headlights high beam relay winding, power windows relay winding, A/C compressor clutch relay switch winding (where fitted); A/C condenser fan relay switch winding (where fitted)

Relay Switches

E 1 Radiator fan relay

E 2 Parking lights and concealed headlights control

E 3 Right head light motor relay

E 4 Headlight high beam relay

E 5 Left headlight motor relay

E 6 Power windows relay

E 7 Back window defogger relay

E 8 Horns relay

- 1) Courtesy light delayer
- 2) A/C condenser fan relay
- 3) A/C evaporator relay
- 4) Seats belts relay
- 5) Compressor clutch relay
- 6) A/C cut-off (at engine starting)
- 7) Seats belts delayer
- 8) Wiper delay timer
- 9) Turn/hazard flasher

Bulbs

Location	SAE Standard	BERTONE Std. Part No.	Location	SAE Standard	BERTONE Std. Part No.
Headlights (high and low beams)	Quartz halogen headlight unit H6024		Turn signal indicator ..		
Front lamps			High beams indicator ..		
Turn signal.....	{ 1034	1/41446/90	Battery charge indicator		
Parking	{ 3/32 cp		Low oil pressure indicator		
Rear lamps			Fuel reserve indicator ..		
Stop			Parking and tail lights indicator		
Back-up	{ 1073	1/41460/90	Hazard warning signal indicator		
Turn signal.....	{ 32 cp		Low brake fluid level/hand brake "ON" indicator	{ 12 V - 1.2 W	
Rear tail lamps	67 - 4 cp	1/41459/90	Fasten belts indicator ..	—	1/41437/90
License plate lamps ...	1073 - 4 cp	1/41459/90	Rear window defogger		
Side marker lamps.....	158 - 2 cp	1/41458/90	Heater control panel light		
Courtesy light	—	{ 12 V - 5 W	Cigarette lighter light		
		{ 1/08630/90	Ideogram illumination light		
Light guide cable lamp		{ 12 V - 3 W	Air conditioner ideogram light		
Instrument cluster lights		{ —			
"EX. GAS SENSOR" indicator					

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PERFORMANCE

Speeds
Maximum speeds after
1st gear
2nd gear
3rd gear
4th gear
5th gear

Gradeability

Maximum grades climb
1st gear
2nd gear
3rd gear
4th gear
5th gear

WEIGHTS

Shipping weight
Curb weight
Vehicle load capacity
2 adults (300 lbs) ..
Gross weight (fully loaded)
Designated seating capacity
Occupant distribution