

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 post 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

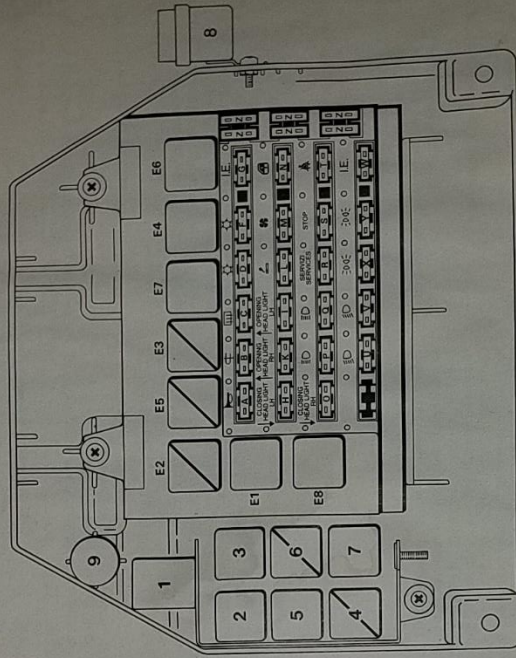
Fuses

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

104

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.
Headlights (high and low beams)	Quartz halogen headlight unit H6024	
Front lamps		
Turn signal.....	{ 1034	1/41446/90
Parking	{ 3/32 cp	
Rear lamps		
Stop	{ 1073	1/41460/90
Back-up	{ 32 cp	
Turn signal.....		
Rear tail lamps	67 - 4 cp	1/41459/90
License plate lamps ...	1073 - 4 cp	1/41459/90
Side marker lamps.....	158 - 2 cp	1/41458/90
Courtesy light	—	{ 12 V - 5 W 1/08630/90
Light guide cable lamp Instrument cluster lights "EX. GAS SENSOR" indicator	—	{ 12 V - 3 W 1/41439/90

SAE Standard

BERTONE Std. Part No.

Location

Turn signal indicator ..
High beams indicator ..
Battery charge indicator
Low oil pressure indicator
Fuel reserve indicator ..
Parking and tail lights indicator.....
Hazard warning signal indicator.....
Low brake fluid level/hand brake "ON" indicator

{ 12 V - 1.2 W
1/41437/90

Fasten belts indicator ..
Rear window defogger
Heater control panel light
Cigarette lighter light
Ideogram illumination light
Air conditioner ideogram light

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