

[illegible]

## WINDSHIELD WIPER ASSEMBLY

From

Coupe identification-No. 117 601  
identification-No. 210 001  
Cabriolet identification-No. 155 601  
Hardtop identification-No. 201 601

a modified, variable-speed windshield wiper unit will be installed.

### General

The windshield wiper motor, with the attached reduction gearbox, is mounted on a support bracket behind the instrument panel. The windshield wiper arms are actuated by a bell crank which is mounted on the splined gearbox output shaft.

The wiper motor is controlled by a push-pull rheostat switch on the instrument panel; by turning the switch knob, wiper arm speed can be progressively varied between 40 and 80 cycles per minute.

### Removal

1. Remove wiper arms.
2. Remove rubbersleeve, hex. nut, cup washer and rubber cap.
3. Disconnect wires at snap-on connectors (refer to Fig. 1).

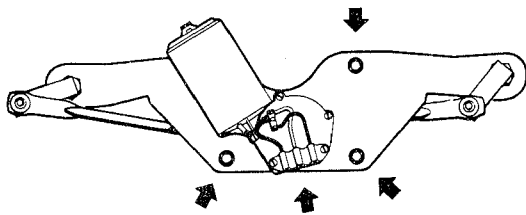


Fig. 1

4. Remove right joint bar from both ball sockets. Remove left joint bar from ball socket of the crank of the windshield wiper arm bearing.
5. Remove the 3 retaining nuts and withdraw support bracket with wiper motor (refer to Fig. 1).

### Installation

Attention should be paid to the following points:

1. The removable joint bar (spare part No. 644.628.021.12) must be mounted on the right-hand side. An incorrect installation changes the transmission ratio and the switched off wiper arms do not return completely to the left end position.
2. A rubber spacer washer (spare part No. 999.704.122.50) must be installed between the crank of the windshield wiper arm bearing and the joint bar, see Fig. 2.
3. Make certain that the wires are properly connected, otherwise a discharge of the battery will occur. Before connecting the wire to a wiper motor terminal, check the color of the wire with that of the switch terminal.

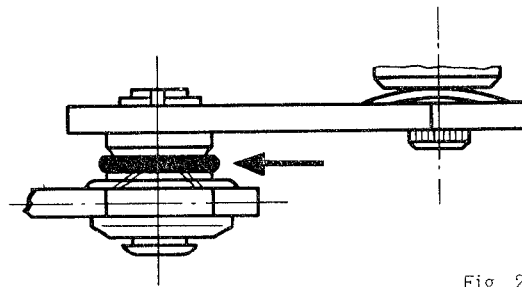


Fig. 2

4. In order to properly seal the holes in the body panelling, mount the rubber caps according to Fig. 3.

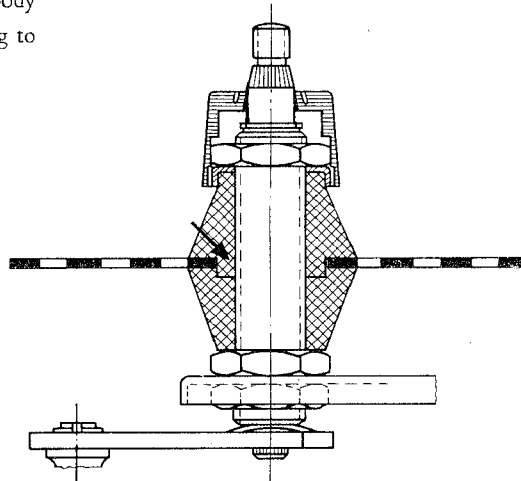


Fig. 3

#### Trouble and remedy

##### Rattling of the windshield wiper:

Check whether rubber spacer washers are mounted between the crank of the windshield wiper arm bearing and the joint bar; install these washers, spare part No. 999.704.122.50, if necessary.

Check whether the rivets of the tension piece for the wiper arm are properly fixed, if not, retighten the rivets.

The wiper rubber must turn after each wiper cycle. If it remains in one position, turn the wiper arm so that it travels parallel to the windshield.

Remove any traces of oil, as, owing to a different coefficient of friction, the wiper blades rattle at low speed.

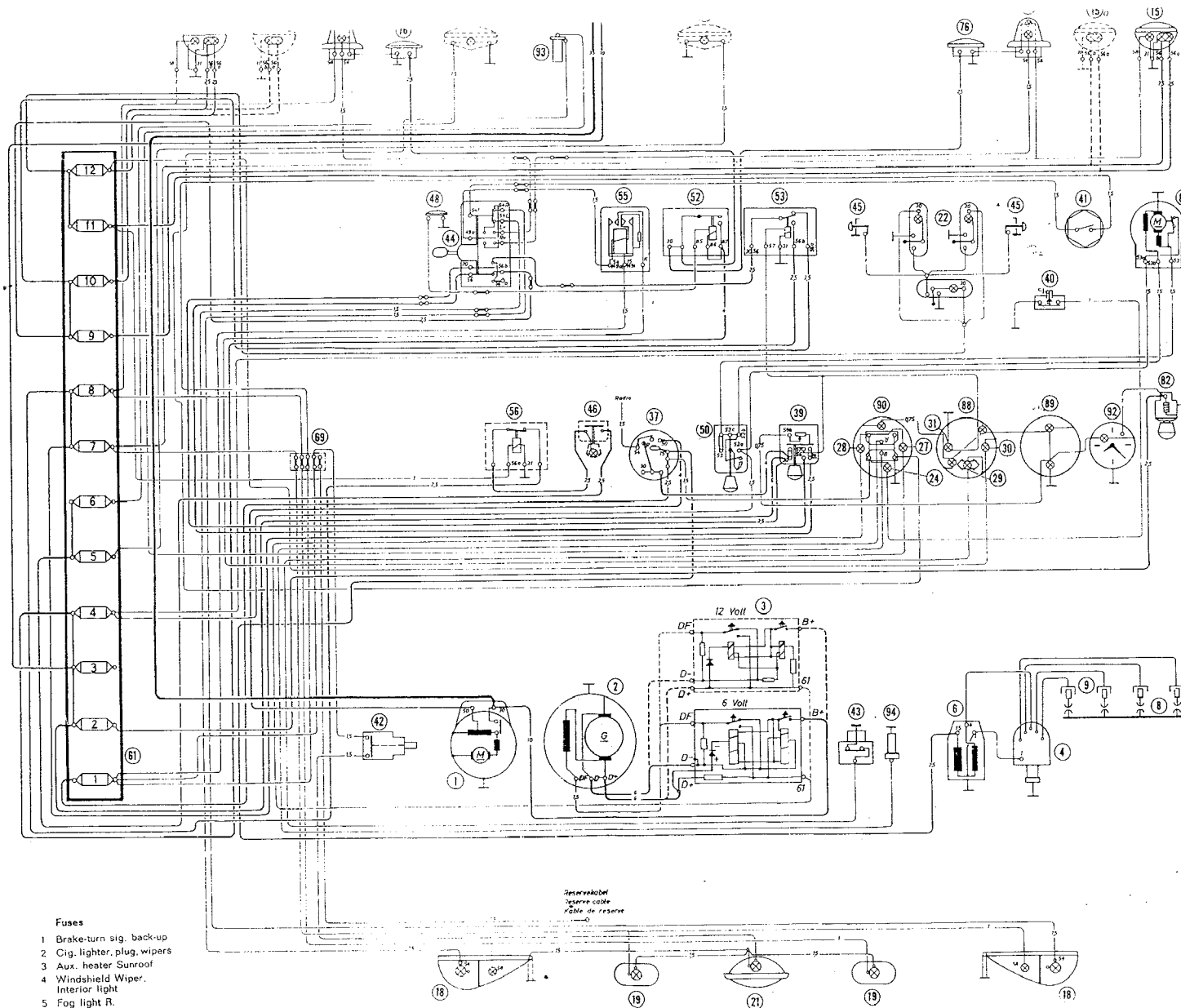
#### Maintenance

Ballsockets of the joint bars require no servicing. Ascertain that wiper blades rest properly on the windshield, and that they have an equal amount of travel.

## WIRING DIAGRAM 356 B

Starting from numbers below

Coupé	identification-Nr. 117 601
Cabriolet	identification-Nr. 155 601
Hardtop	identification-Nr. 201 601



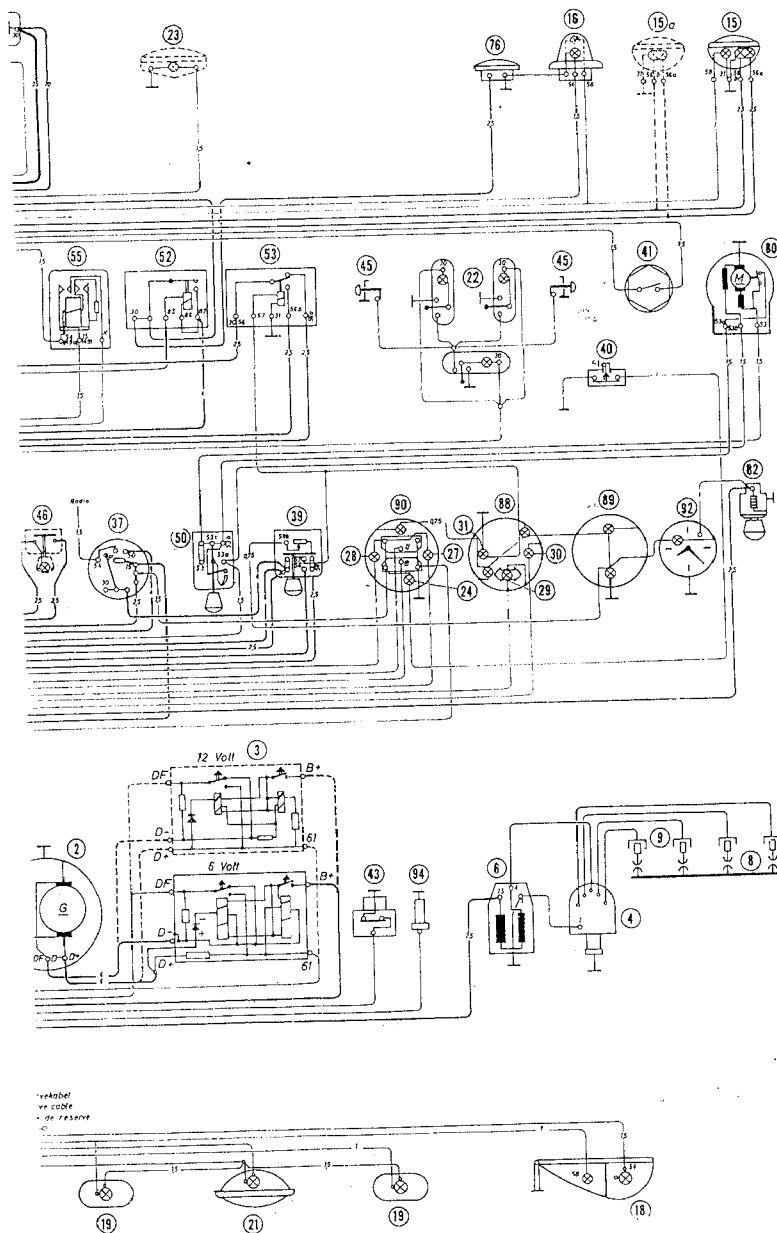
No.	Item	Remarks
1	Starter	
2	Generator	
3	Regulator	
4	Distributor	
6	Ignition coil	
8	Spark plug	
9	Spark plug socket	
13	Battery	
15	Headlight with parking light	
15a	Sealed Beam	USA-Export only
16	Signal light	USA with parking light
18	Brake tail light	
19	License plate light	
21	Back up light	
22	Interior light	
23	Fog lights	
24	Hand brake warning light	
27	Oil pressure warning light	Combi-Instrument
28	Generator warning light	
29	Turn signal indicator light	on tachometer
30	High beam indicator light	
31	Parking light indicator light	
37	Ignition-starter switch	
39	Head light switch	
40	Hand brake indicator switch	
41	Brake light switch	
42	Back-up light switch	
43	Oil pressure switch	
44	Signal dimmer switch	
45	Door contact switches	
46	Fog light switch	optional
48	Horn button	
50	Windshield wiper switch	
52	Horn relay	
53	Light signal relay	
55	Turn signal flasher	
56	Fog light relay	optional
61	Fuse box	
63	Forward wire loom	
64	Battery ground strap	
65	Instrument wire loom	
66	Rear wire loom	
67	Ignition cables	
69	Plug connector	
76	Twin horns	
80	Windshield wiper	
82	Cigar lighter	not with 644.46
88	Tachometer	
89	Speedometer	
90	Combination instrument	
92	Electric clock	not with 644.46
93	Fuel gauge sender	
94	Oil thermometer sender	

#### Fuses

- 1 Brake-turn sig. back-up
- 2 Cig. lighter, plug, wipers
- 3 Aux. heater Sunroof
- 4 Windshield Wiper, Interior light
- 5 Fog light R.
- 6 Fog light L.
- 7 Tail + lic. plate R.
- 8 Tail + lic. plate L.
- 9 Low beam R.
- 10 Low beam L.
- 11 High beam R.
- 12 High beam L.

Note

Fuses 2, 3, 9, 10, 11, 12 are 25/50 amp. For 12 Volt system only.



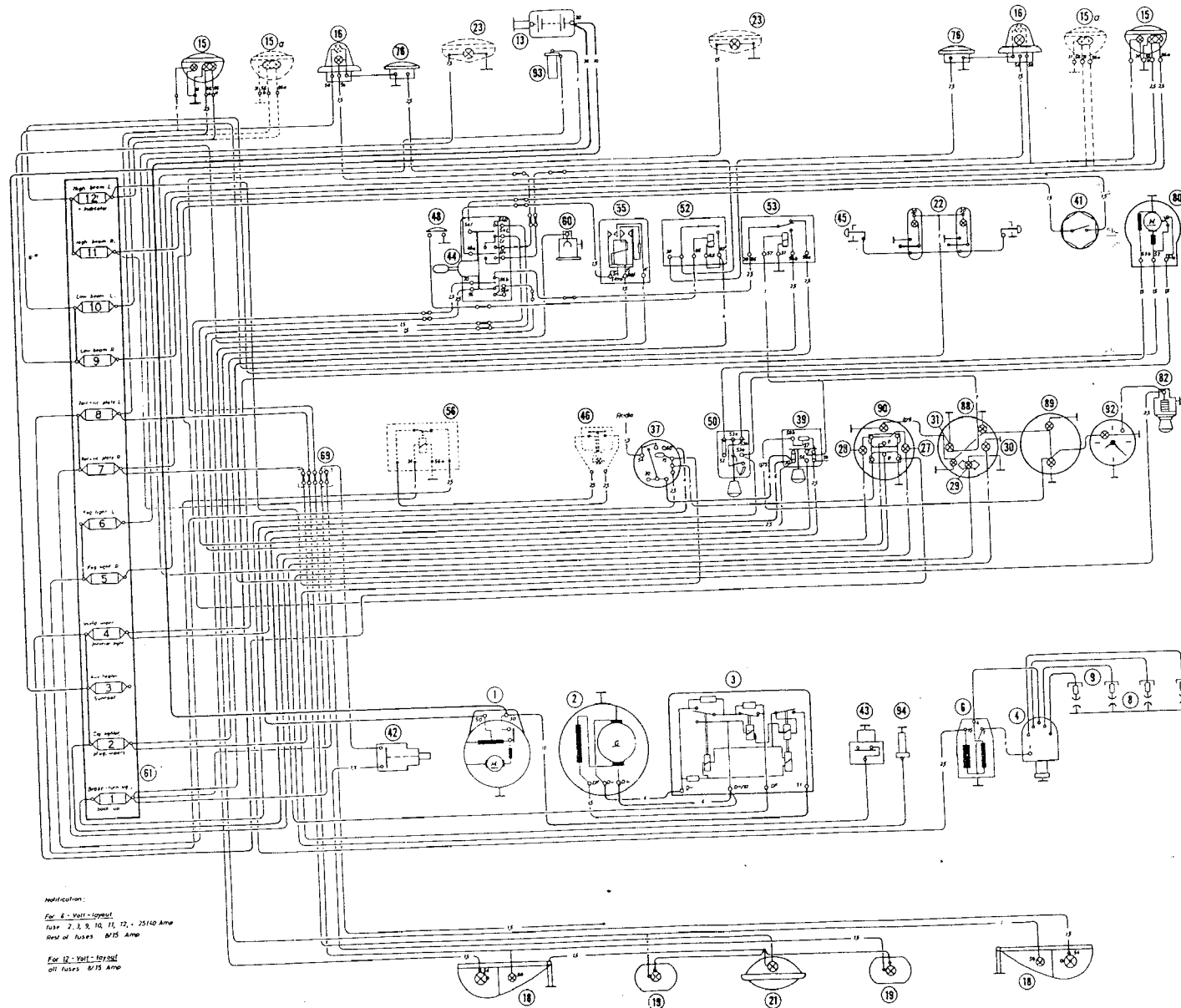
No.	Item	Remarks
1	Starter	
2	Generator	
3	Regulator	
4	Distributor	
5	Ignition coil	
8	Spark plug	
9	Spark plug socket	
13	Battery	
15	Headlight with parking light	
15a	Sealed Beam	USA-Export only
16	Signal light	USA with parking light
18	Brake tail light	
19	License plate light	
21	Back up light	
22	Interior light	Coupe 2 ea., Cabrio 1 ea. Hardtop 1 ea. optional
23	Fog lights	
24	Hand brake warning light	
27	Oil pressure warning light	Combi-Instrument
28	Generator warning light	
29	Turn signal indicator light	on tachometer
30	High beam indicator light	
31	Parking light indicator light	
37	Ignition-starter switch	
39	Head light switch	
40	Hand brake indicator switch	
41	Brake light switch	
42	Back-up light switch	
43	Oil pressure switch	
44	Signal dimmer switch	
45	Door contact switches	
46	Fog light switch	optional
48	Horn button	
50	Windshield wiper switch	
52	Horn relay	
53	Light signal relay	
55	Turn signal flasher	
56	Fog light relay	optional
61	Fuse box	
63	Forward wire loom	
64	Battery ground strap	
65	Instrument wire loom	
66	Rear wire loom	
67	Ignition cables	
69	Plug connector	
76	Twin horns	
80	Windshield wiper	
82	Cigar lighter	not with 844.46
88	Tachometer	
89	Speedometer	
90	Combination instrument	
92	Electric clock	not with 844.46
93	Fuel gauge sender	
94	Oil thermometer sender	

11, 12 are 25/40 amp. For 12 Volt system all fuses are 8/15 amp.

## **WIRING DIAGRAM**

**356 C**

5 2 2 1 2



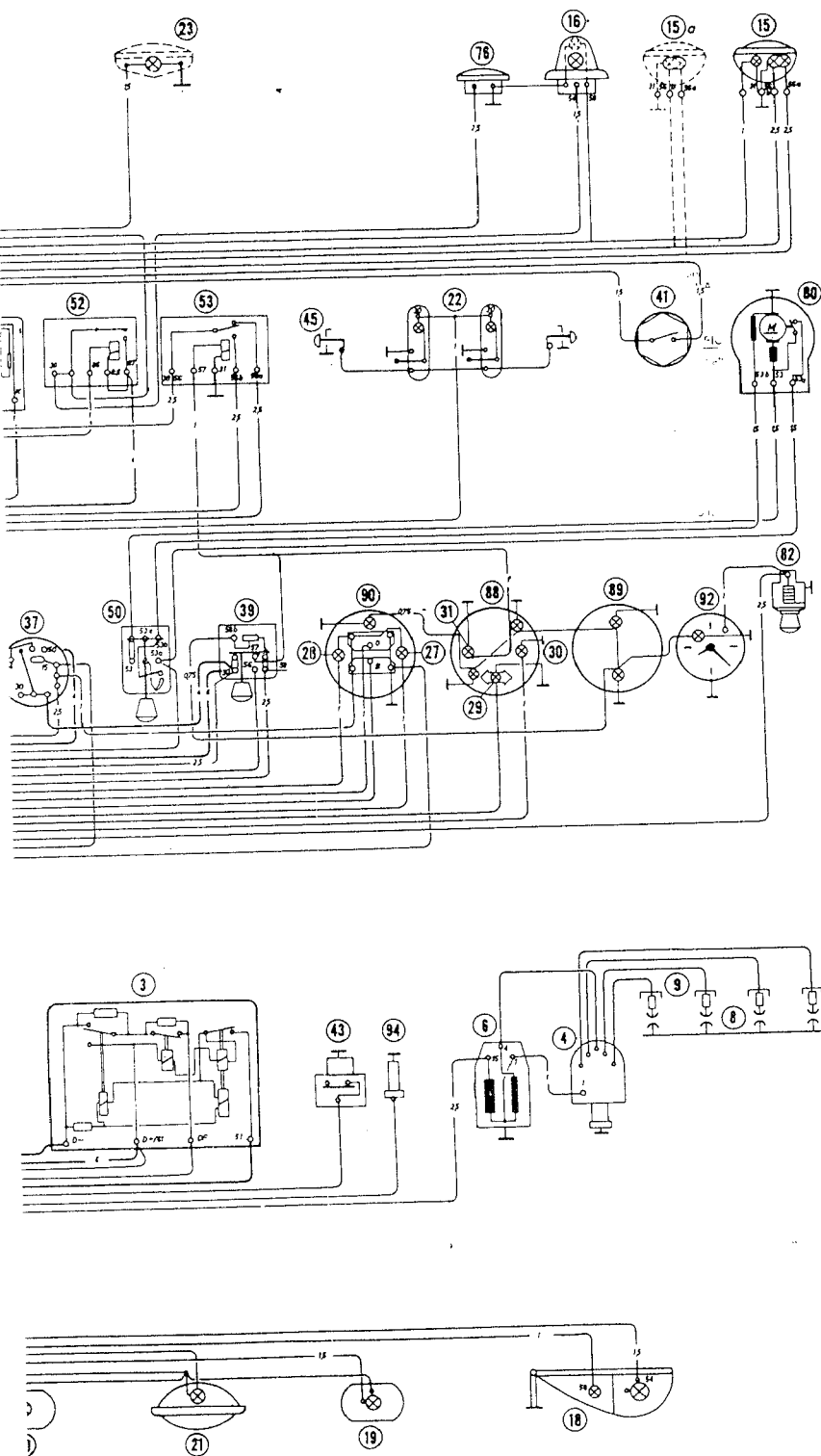
Notation:

For 6-Volt - System  
Fuses 2, 3, 9, 10, 12, 25/10 Amp  
and all fuses 5/15 Amp

For 12-Volt - System  
all fuses 5/15 Amp

2	Generator	
3	Regulator	
4	Distributor	
6	Ignition coil	
8	Spark plug	
9	Spark plug socket	
13	Battery	
15	Headlight	
15 a	Sealed Beam	with parking light U. S. A. -Export
16	Signal light	
18	Brake tail light	
19	License plate light	
21	Back up light	
22	Interior light, Coupé 2 ea., Cabriolet, Hardtop 1 ea.	
23	Fog lights	optinal
27	Oil pressure warning light	Combination inst.
28	Generator warning light	Combination inst.
29	Turn signal indicator light	on tachometer
30	High beam indicator light	on tachometer
31	Parking light indicator light	on tachometer
37	Ignition-starter switch	
39	Head light switch	
41	Brake light switch	
42	Back-up light switch	
43	Oil pressure switch	
44	Signal dimmer switch	
45	Door contact switches	
46	Fog light switch	optinal
48	Horn button	
50	Windshield wiper switch	
52	Horn relay	
53	Light signal relay	
55	Turn signal interrupter	
56	Fog light relay	optinal
60	Accessory socket	
61	Fuse box	
63	Forward wire loom	
64	Battery ground strap	
65	Instrument wire loom	
66	Rear wire loom	
67	Ignition cables	
69	Plug connector	
76	Two tone horn	
80	Windshield wiper	
82	Cigarette lighter	
83	Tachometer	
89	Speedometer	
90	Combination instrument	
92	Electric clock	
93	Fuel gauge sender	
94	Oil thermometer sender	





No.	Item	Remark
1	Starter	
2	Generator	
3	Regulator	
4	Distributor	
6	Ignition coil	
8	Spark plug	
9	Spark plug socket	
13	Battery	
15	Headlight	
15 a	Sealed Beam	with parking light
16	Signal light	U. S. A. -Export
18	Brake tail light	
19	License plate light	
21	Back up light	
22	Interior light, Coupé 2 ea., Cabriolet, Hardtop 1 ea.	
23	Fog lights	optinal
27	Oil pressure warning light	Combination inst.
28	Generator warning light	Combination inst.
29	Turn signal indicator light	on tachometer
30	High beam indicator light	on tachometer
31	Parking light indicator light	on tachometer
37	Ignition-starter switch	
39	Head light switch	
41	Brake light switch	
42	Back-up light switch	
43	Oil pressure switch	
44	Signal dimmer switch	
45	Door contact switches	
46	Fog light switch	optinal
48	Horn button	
50	Windshield wiper switch	
52	Horn relay	
53	Light signal relay	
55	Turn signal interrupter	
56	Fog light relay	optinal
60	Accessory socket	
61	Fuse box	
63	Forward wire loom	
64	Battery ground strap	
65	Instrument wire loom	
66	Rear wire loom	
67	Ignition cables	
69	Plug connector	
76	Two tone horn	
80	Windshield wiper	
82	Cigarette lighter	
83	Tachometer	
89	Speedometer	
90	Combination instrument	
92	Electric clock	
93	Fuel gauge sender	
94	Oil thermometer sender	