H.P. EXECUTIVE BETA COUPE'

1982 Australia Version

Service Manual

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Fiat Auto

Direzione Marketing e Commerciale - Assistenza Tecnica
10134 TORINO (Italy) - Corso E. Giambone, 33
Printed in Italy - Aprile 1982 - 200
Supplement to Service Manual No. 88798829

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	CHASSIS	ENGINE	VERSION	LANCIA HPE	BETA COUPE'	Gearbox 5 Speed
2000	828 BF.0	828 B1.023	828 BF.1/1	✸		✸
	828 BC.0		828 BC.1/1		✸	✸

A.D.R. 27 B Conformity Tag – Air pollution control specifications for correct engine tune-up adjustments.

VEHICLE EMISSION CONTROL INFORMATION

FIAT AUTO S.p.A. ENGINE FAMILIY 828 C.I.D. cm^3 1995

ENGINE DISPLACEMENT SYSTEM COMBINATION: 1995 - E.M. 1 - CAN

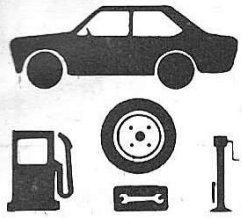
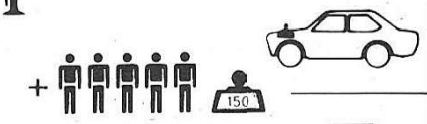
ENGINE TUNE UP SPECIFICATIONS AND ADJUSTMENTS
WITH TRANSMISSION IN NEUTRAL

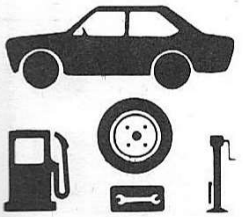
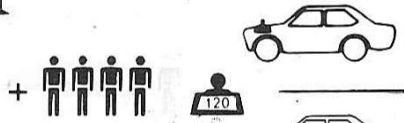
BASIC IGNITION TIMING	28° BTDC AT 3200 RPM
IDLE SPEED	900 ± 50 RPM
IDLE CO SETTING	1 ± 0.5%
FAST IDLE SPEED	1600 ± 50 RPM
SPARK PLUG GAP	0.6 ÷ 0.7 mm

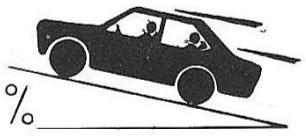
A PROPER MAINTENANCE OPERATION IS ESSENTIAL FOR CONTINUED EFFECTIVENESS.
FOR FURTHER INSTRUCTIONS REFER TO BOOKLET No. 88798829.
THIS VEHICLE CONFORMS TO THE AUSTRALIAN DESIGN RULE No. 27B APPLICABLE TO NEW MOTOR VEHICLES MANUFACTURED ON AND AFTER 1.1.1982.

Location: In engine compartment, on the front crossrail

Label material and method of fixing: Plastic film with a white self-adhesive layer having self-destroying properties.

WEIGHTS (expressed in kg)	MODEL	LANCIA HPE
		1080
	+ 500 =	1580
		780
Vehicle in running order		800
		1130

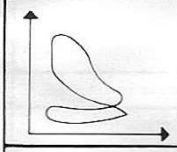
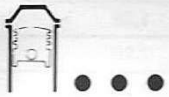
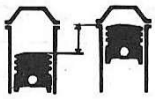
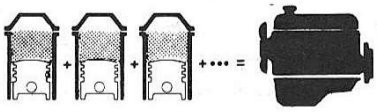
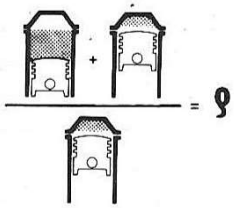
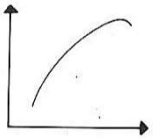
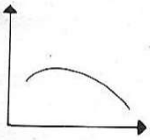
WEIGHTS (expressed in kg)	MODEL	BETA COUPE'
		1020
	+ 400 =	1420
		750
Vehicle in running order		670
		1070

PERFORMANCE	MODEL	LANCIA HPE	BETA COUPE'
Speed km/h (mph) 	1	52 (32,5)	53 (33,1)
	2	81 (50,6)	83 (51,9)
	3	119 (74,4)	122 (76,3)
	4	162 (101,3)	162 (101,3)
	5	180 (112,5)	185 (115,6)
Maximum climbable gradient 	1	36	38,5
	2	30	34
	3	19,2	21
	4	13,4	15,4
	5	9,6	11,1

Description	Unit		Quantity dm³ (lt)	Quantity (kg)
O.N. (98-100)			55	–
50% + Paraflu FIAT 11	Total capacity of cooling system		7,6	–
VS+ Superstagionale (SAE 10 W) (SAE 20 W) (SAE 30) (SAE 40)	Total capacity		5,00	4,40
VS+ Supermultigrado (SAE 15 W/40)	Partial capacity (periodic replacement)		4,60	4,00
a = ZC 90		a	–	–
			1,80	1,60
b = GI/L		b	–	–
W 90/M-DA	a / b Self – locking	a	–	–
		b	–	–
a e b = GI/L	a / b / c / d	a	–	0,900
		b	–	–
c = W 90/M-DA		c	–	–
d = K 854		d TRW	–	–
		d ZF	–	–
DOT 3	Total capacity		0,56	0,50
+ DPT	☼ 3%		2	–
	❄ ~ – 10°C 50%		1,5	–
	❄ ~ – 20°C 100%			

Name of product	Description International designation	Usage
VS+ Superstagionale SAE 40	Low ash content detergent oil for petrol engines. Service API "SE". Satisfies standard MIL-L-46152. Exceeds European CCMC specifications.	Min temp above 0° C max above 35° C.
VS+ Superstagionale SAE 30	Low ash content detergent oil for petrol engines. Service API "SE". Satisfies specification MIL-L-46152. Exceeds European CCMC specifications.	Min temp above 0° C max below 35° C.
VS+ Superstagionale SAE 20W	Low ash content detergent oil for petrol engines. Service API "SE". Satisfies specification MIL-L-46152. Exceeds European CCMC specifications.	Min temp between –15° C and 0° C.
VS+ Superstagionale SAE 10W	Low ash content detergent oil for petrol engines. Service API "SE". Satisfies specification MIL-L-46152. Exceeds European CCMC specifications.	Min temp below –15° C.
VS+ Supermultigrado SAE 15 W/40	Low ash content detergent oil for petrol engines. Service API "SE". Satisfies specification MIL-L-46152. Exceeds European CCMC specifications.	Min temp above –15° C Max temp above 35° C.
TUTELA W 90/M-DA	SAE 80W/90EP oil, specially for normal and self-locking differentials. Satisfies specification MIL-L-2105 C.	Hypoid differentials Self-locking differentials Steering boxes
TUTELA ZC 90	Non E.P. SAE 80/W90 oil for gearboxes, containing anti-wear additives.	Non hypoid gearboxes and differentials.
OLIOFIAT GI/L	Dexron II oil for automatic transmissions.	Automatic gearboxes power assisted steering
TUTELA JOTA 1	Lithium soap based grease N.L.G.I. N.1 consistency.	Greasing vehicle except for components particularly exposed to water requiring special greases.
TUTELA MRM 2	Lithium soap based molybdenum disulphide water repellant grease, N.L.G.I. 2 consistency.	Universal joints.
TUTELA MR3	Lithium soap based grease N.L.G.I. N.3 consistency.	Wheel hub bearings, steering rods, various components
TUTELA DOT 3	Hydraulic brake fluid DOT 3, meeting F.M.V.S.S. standard no. 116.	Hydraulic brakes and hydraulically operated clutch.
K854	Lithium soap based grease N.L.G.I. 000, consistency containing molybdenum disulphide.	Rack and pinion steering boxes.
SP 349	Special castor oil and sodium soap based grease containing graphite and molybdenum disulphide; compatible with brake fluid and brake circuit rubber seals.	Load proportioning valve Load proportioning valve bush Rod and bar control.
Liquido DP 1	Alcohol based liquid detergent.	To be used undiluted or diluted for windscreen washers and headlamp washers
Liquido Paraflu 11 FIAT (Liquido LANCIA 4305)	Mono ethylene glycol based anti-freeze for cooling systems.	Cooling circuit percentage to be used. 35% up to - 25° C 50% up to - 35° C

CARACTERISTICS

	Cycle		OTTO 4 stroke
	No. of cylinders		4
	Cylinder liner (bore)	mm	84
	Stroke	mm	90
	Capacity cc		1995
	Compression ratio		8,9
	Max power DIN	kW (CV)	80,9 (110)
		rpm	5500
	Max torque DIN	daNm (kgm)	16 (16,3)
		rpm	3000

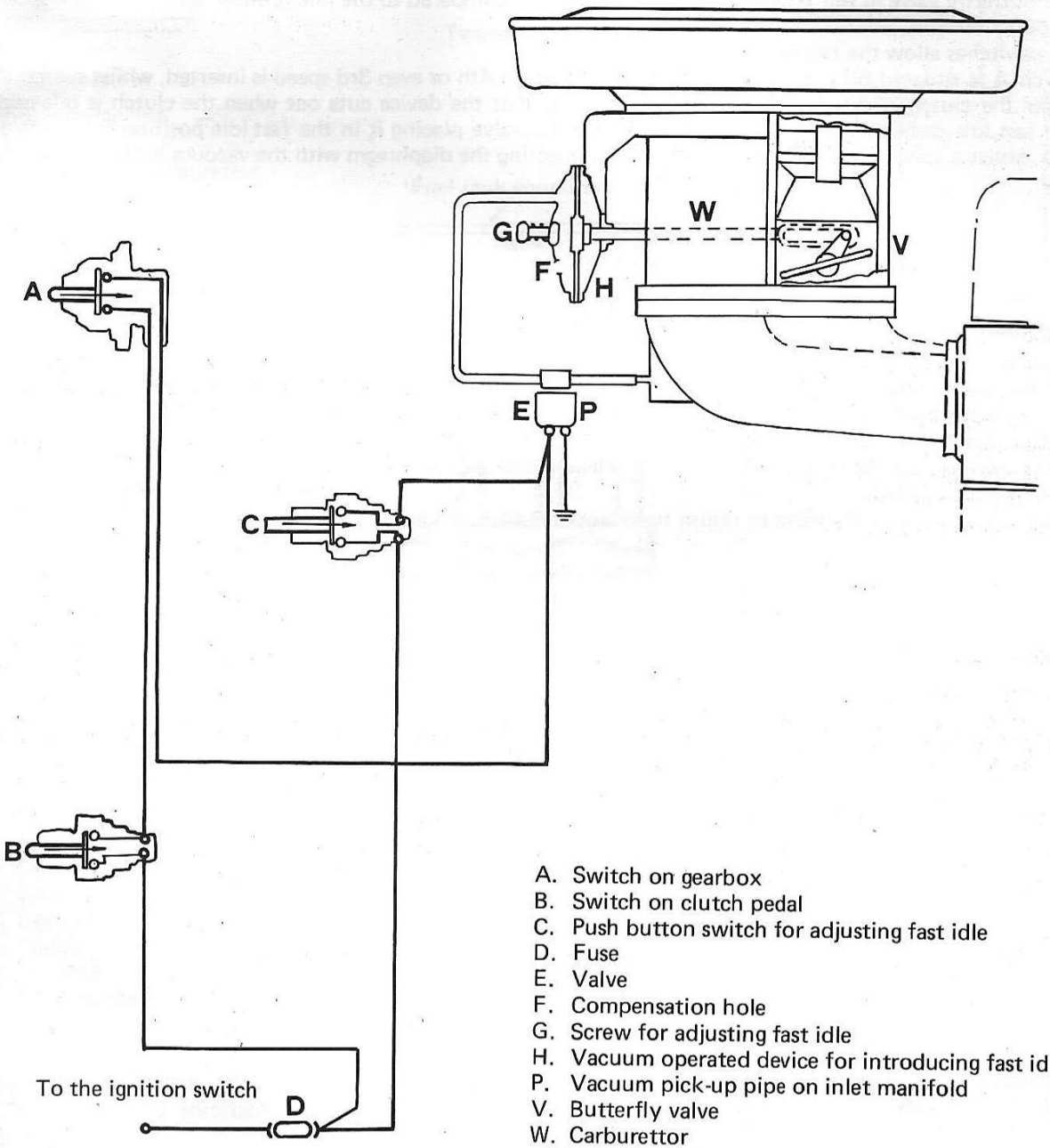
CARBURETTOR

TYPE			WEBER 34 DATA 4/101	
			1st barre	2nd barre
Venturi		mm	25	27
Auxiliary Venturi		mm	4	4
Main jet		mm	1,15	1,35
Air bleed jet		mm	1,70	2,20
Emulsion tube			F 30	F 30
Idle jet		mm	0,50	0,80
Air idle jet		mm	1,10	0,70
Pump jet		mm	0,50	–
Pump outlet		mm	–	–
Full power jet		mm	0,70	–
Superfeed jet		mm	–	1,10
Superfeed mixture jet		mm	–	2,00
Needle valve		mm	1,75	
Fuel recirculation hole		mm	1,00	–
Idle mixture adjustment hole		mm	1,55	–
Anti-flooding capsule bush		mm	0,50	–
Idle mixture bush		mm	2,00	–
Advance hole		mm	–	–
Progression	1st hole	mm	0,80	1,00
	2nd hole	mm	1,00	1,00
	3rd hole	mm	1,00	–
Level with gasket		mm	7 ±0,25	
Float travel		mm	--	
Pump flow rate capacity (for 10 strokes)		cm^3	11,7 ÷ 17,5	
1st barrel butterfly partial opening		mm	7,7 ±0,25	
1st/2nd barrel butterfly total opening		mm	16 ±0,5	
Fast idle		mm	1,10 ÷1,20	
Maximum anti-flooding device		mm	8 ±0,5	
Minimum butterfly opening		mm	0,35 ÷0,40	

Adjusting engine idle speed and mixture strenght

1) Start the engine and let it warm up.
2) Connect a rev counter.
3) Insert an exhaust gas analyzer into the exhaust tail pipe and calibrate the analyzer for the CO content test.
4) If the reading shows excess CO in relation to the figure given on the special plats in the engine compartment, proceed as follows:
   a) let the engine idle at around 850 – 950 rpm and suitably adjust the throttle valve screw, taking care that the engine runs smoothly.
   b) Adjust the mixture correction screw at the base of the carburettor so that the CO percentage is within the limits allowed.
   N.B. Tightening the screw lowers the CO rate, loosening it increases it.
   c) If at this point the engine is not running smoothly or the engine speed is incorrect, repeat points a) and b) until the desired results are obtained.

FAST IDLE DEVICE



A. Switch on gearbox
B. Switch on clutch pedal
C. Push button switch for adjusting fast idle
D. Fuse
E. Valve
F. Compensation hole
G. Screw for adjusting fast idle
H. Vacuum operated device for introducing fast idle
P. Vacuum pick-up pipe on inlet manifold
V. Butterfly valve
W. Carburettor

DIAGRAM SHOWING FITTING OF FAST IDLE DEVICE

Description

In order to prevent too rich a mixture forming during deceleration with the resulting pollutant exhaust gases having a high percentage of unburnt gases and carbon monoxide, the carburettor is fitted with a fast idle device.
The butterfly valve in the 1st barrel remains partly open compared to the idle position and the engine speed is 1600 ± 50 rpm.
Two switches allow the fast idle device to operate:
switch A is situated on the gearbox and comes on when 4th or even 3rd speed is inserted, whilst switch B, under the clutch pedal, is positioned in such a way that the device cuts out when the clutch is released.
The fast idle device diaphragm activates the butterfly valve placing it in the fast idle position by means of rods whilst a valve E closes or opens the duct connecting the diaphragm with the vacuum in the inlet manifold.

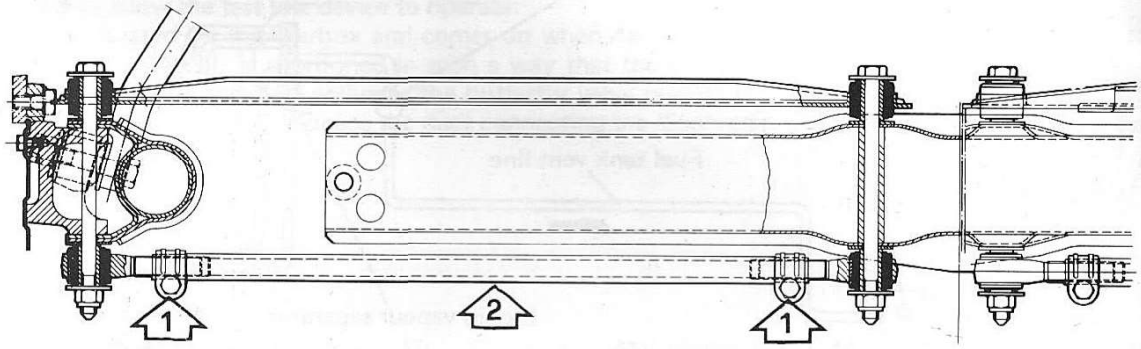
Operation

When the vehicle is travelling in 3rd or 4th gear with the clutch depressed an electric current activates valve E. The latter opens the ducts connecting valve E with the fast idle device and allows the vacuum upstream of the butterfly to act on the diaphragm and push the butterfly into the fast idle position during every deceleration.
If the vehicle must be stopped the clutch is released and the valve will no longer be affected by the current and the duct will close.
This causes the butterfly valve to return to its normal idle position of between 850 and 950 rpm.

Adjustment

1) Start the engine.
2) Throughout the adjustment, press the manual earth contact C to activate the fast idle device.
3) Adjust the engine speed, regulating the adjustment screw on diaphragm G until rotation speed is 1600 ± 50 rpm.

ADJUSTING REAR WHEEL TOE–IN



1. Clamp securing nuts - 2. Tube

To adjust rear wheel toe-in slacken nuts (1) and rotate tube (2) as necessary.

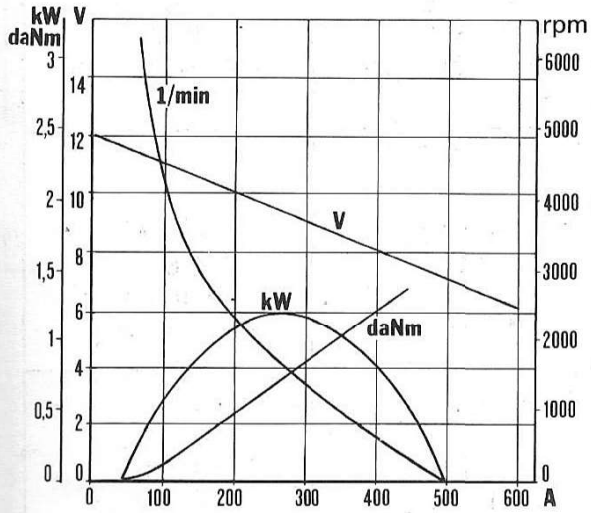
WHEELS

Tyre	type	185/65 R-14"	
	front	1,9 bar★ (1,94 kg/cm²)	2,2 bar● (2,24 kg/cm²)
	rear		
Rim	type	5½J x 14" H2	

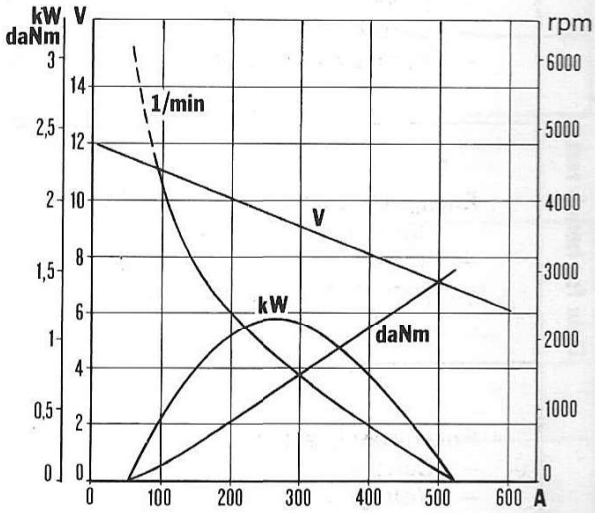
★ Inflation pressure when cold.
● Inflation pressure for continuous use at high speeds and with heavy load.

Starter motor	Ducellier ∅ 93,5 - 12 V - 1,1 kW Bosch EF - 12 V - 0,95 kW
Alternator	M. Marelli AA 125 - 14 V - 55 A
Voltage regulator	Built in electronic
Battery	45 Ah - 12 V - 220 A
Distributor	Electronic ignition Bosch 0.237.001.003
Ignition coil	Bosch 0.221.122.012
Spark plugs	M. Marelli CW 78 LP Champion N 7 Y Bosch W 6 D } M 14 x 1,25 x 19

STARTER MOTOR — CHARACTERISTIC CURVES



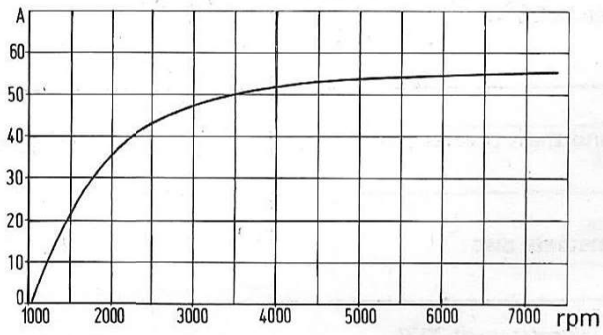
Bosch EF - 12 V - 0,95 kW



Ducellier ∅93,5 - 12 V - 1,1 kW

ALTERNATOR — CHARACTERISTIC SUPPLY CURVE

(at a constant voltage of 13,5 V with bedded in brushes)



M. Marelli AA 125 - 14 V - 55 A

Engine – type		Ducellier Ø 93,5 - 12 V - 1,1 kW	Bosch EF - 12 V - 0,95 kW
Voltage		12 V	
Nominal power		1,1 kW	0,95 kW
Rotation, pinion side		clockwise	
No. of poles		4	
Field coil		series	
Engagement		free wheel	
Operation		solenoid	
End float of armature shaft		0,15 ÷ 0,45 mm	
Data for bench test	Operating test (1): – Current – Speed – Voltage – Torque developped	260 A 1600 rpm 9,5 V 6,9 Nm (0,7 kgm)	260 A 1760 rpm 9,4 V 6,4 Nm (0,65 kgm)
	Engagement test (1): – Current – Voltage – Torque developped	480 ± 20 A 7,4 V ⩾ 15 Nm (⩾ 1,53 kgm)	520 A 6,8 V ⩾ 15 Nm (⩾ 1,53 kgm)
	Free running test (1): – Current – Voltage – Speed	40 ± 5 A 11,5 V 9600 ± 500 rpm	38 ± 5 A 11,5 V 8500 ± 500 rpm
Relay	Winding resistance at 20°C { Shearing Retaining	0,375 ± 0,01 Ω 1,65 ± 0,05 Ω	0,326 ± 0,01 Ω 0,926 ± 0,05 Ω
Lubrication	Internal splines and shaft bushes	VS+ SAE 10 W	
	Sleeve and intermediate disc	TUTELA MR3	

(1) Data obtained at an ambient temperature of 20°C.

NOTE When overhauling it is not necessary to lower the insulator between the commutator bars.

RECHARGING SYSTEM

Alternator: Type	M. Marelli AA 125 - 14 V - 55 A
Nominal voltage	14 V
Maximum current	~ 60 A
Cut in speed	1000 ± 50 rpm
Current delivery on the battery at 7000 rpm	⩾ 55 A
Field winding resistance between the slip rings (*)	3,1 ± 0,1 Ω
Direction of rotation (seen from the control side)	clockwise
Engine/alternator transmission ratio	1,825
Diode rectifiers	bridge

Voltage regulator: Type	Built in electronic FIMM RTT 114 A
Alternator speed for test	6000 rpm
Thermal stabilization current	~ 30 A
Test current	6 ÷ 54 A
Regulation voltage (*)	14,2 ± 0,3 V

Battery: Nominal voltage	12 V
Capacity (20 hour discharge)	45 Ah

(*) Data obtained at an ambient temperature of 20°C.

ELECTRONIC IGNITION

Inductive discharge electronic ignition	Bosch type 0.227.100.014
Firing order	1 - 3 - 4 - 2

DISTRIBUTOR

Make	Bosch
Type	0.237.001.003
Static advance	10°
Automatic centrifugal advance	28° ± 2°
Vacuum advance	–
Distance between 4 pole rotor and stator pole	–
Ignition coil winding resistance of electromagnetic impulse at 23°C	1100 ± 10 Ω

RESISTOR

Make	Bosch
Type	0.227.900.002
Resistance	0,9 ± 0,05 Ω

IGNITION COIL

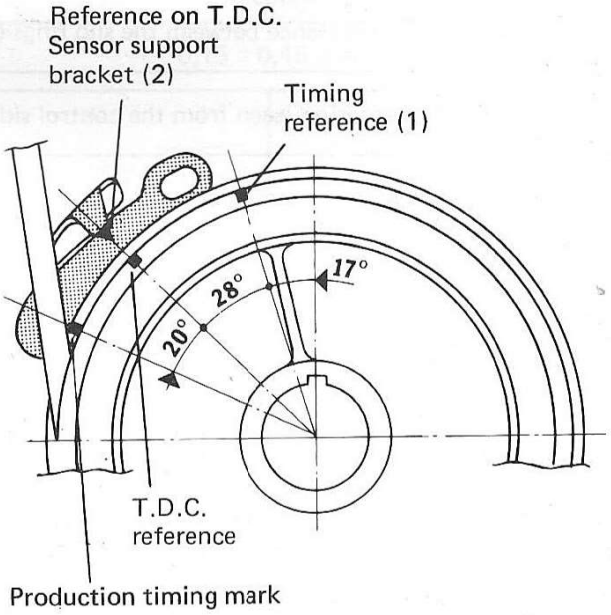
Make	Bosch
Type	0.221.122.012
Ohmic resistance of primary winding at 20°C	1,2 ÷ 1,6 Ω
Ohmic resistance of secondary winding at 20°C	6000 ÷ 10000 Ω

SPARK PLUGS

Make and Type	M. Marelli CW 78 LP Champion N 7 Y Bosch W 6 D
Thread	M 14 x 1,25
Electrode gap	0,6 ÷ 0,7 mm

Checking and timing ignition

With the front wheels as far as possible towards the right, remove the rubber plug on the front right shield.
Connect the stroboscopic lamp.
Start the engine and bring it to 3200 rpm and check, using the stroboscopic lamp, that the timing reference (1) coincides with the reference on the T.D.C. sensor support bracket (2).
This should occur when the automatic advance is 28°C.



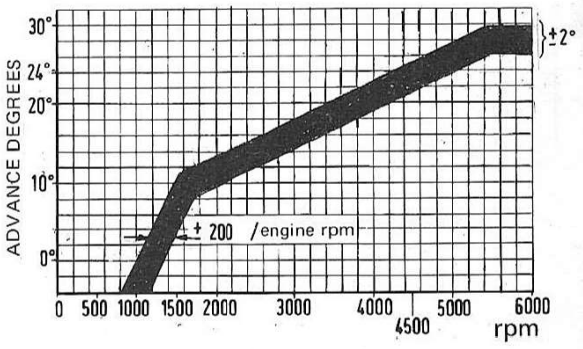


Diagram showing automatic centrifugal advance of magnetic impulse distributor.



Vehicle in running order
(With spare wheel, jack, tool box and supplies)



Person — Passenger
70/55/40 kg



Weight distribution on front axle



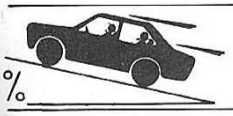
Weight distribution on rear axle



Towing capacity



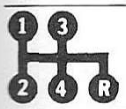
Speed in km/h



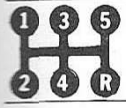
Maximum climbable gradient



Weight



4 Speed gearbox



5 speed gearbox



Automatic transmission



O.N. (98 - 100)
O.N. (84 - 86)

Fuel



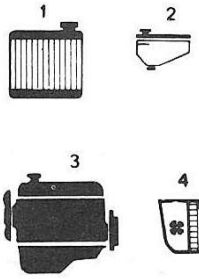
Total capacity of fuel tank (including reserve)



Liquid (mixture) for engine cooling system



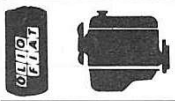
Engine



Total capacity of engine cooling system:
1 Radiator
2 Expansion tank
3 Engine
4 Heater



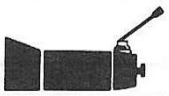
Lubricant (Oil)



Engine oil - total capacity



Engine oil - partial capacity (periodic replacement)



Gearbox



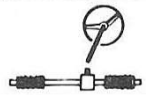
Gearbox and differential



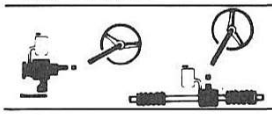
Differential



Worm and sector steering



Rack and pinion steering



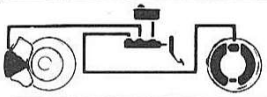
Power assisted steering



Lubricant (grease)



Brake fluid



Total capacity braking system

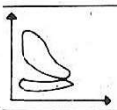


Liquid (mixture) for windscreen washer

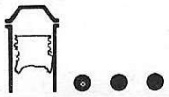


Windscreen washer reservoir or container

Graphic representation and symbols



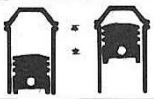
Cycle



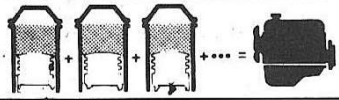
No. of cylinders



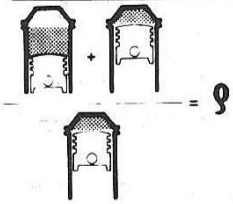
Cylinder diameter
Cylinder bore



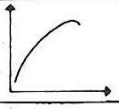
Piston stroke



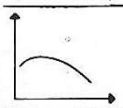
Capacity



Compression ratio



Max power DIN



Max torque DIN



Tyre



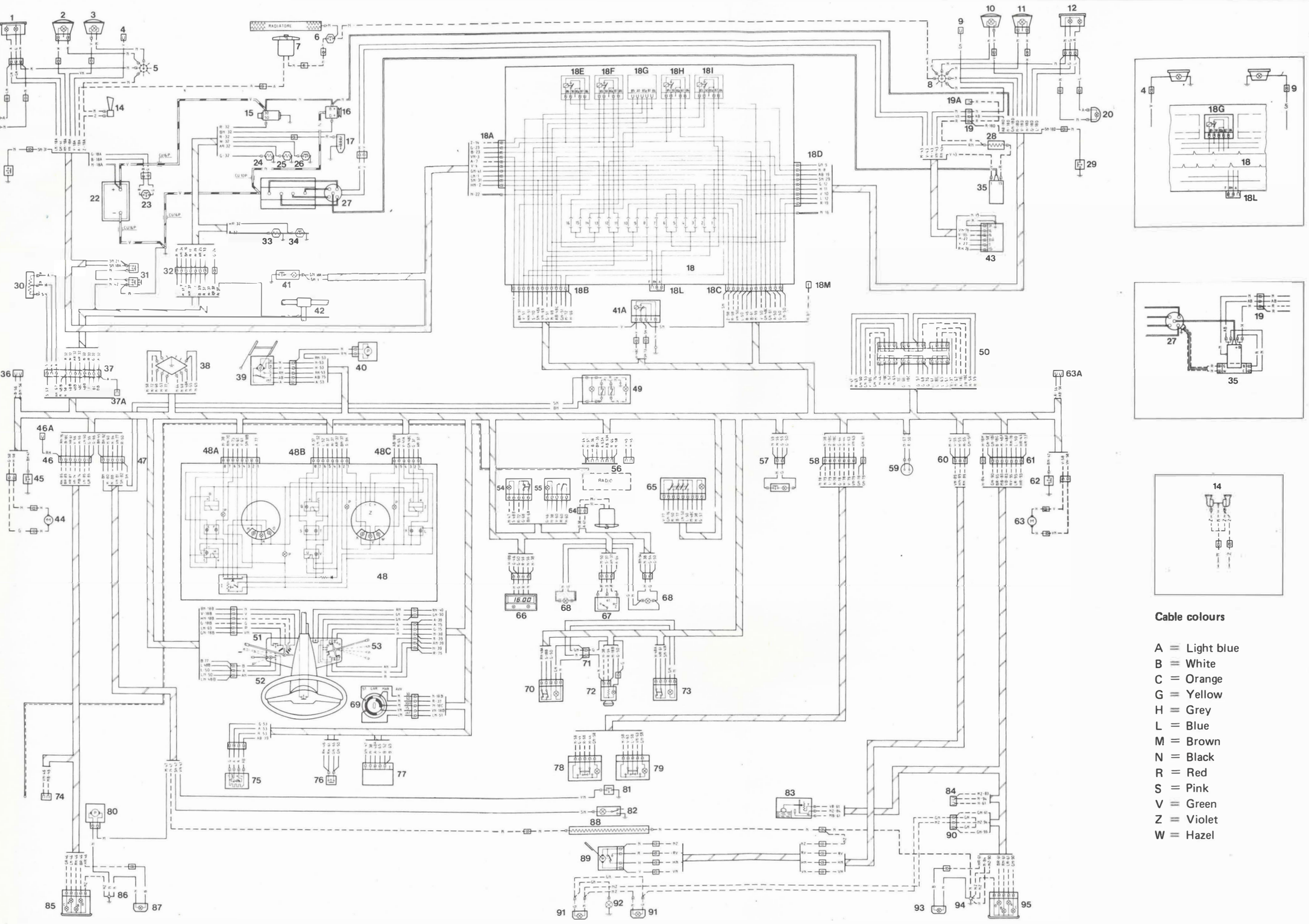
Wheel rim



Tyre pressure

WIRING DIAGRAMS

1. Front direction and side lights
2. Dipped beam
3. Main beam
4. Fog light provision
5. Ground carrier
6. Thermocontact for item 7
7. Radiator electrofan
8. Ground carrier
9. Fog lamp provision
10. Main beam
11. Dipped beam
12. Front direction and side lights
13. Left-hand repeater
14. Horns
15. Starter motor
16. Alternator
17. Fast idling electrovalve on carburettor
18. Main relay and fuse box
    - 18 A. Twelve-outlet junction block for front left-hand side electrical units
    - 18 B. Twelve-outlet junction block for inner car side electrical units
    - 18 C. Twelve-outlet junction block for front right-hand side electrical units
    - 18 E. Relay for power window lifts (if fitted)
    - 18 F. Relay for horns
    - 18 G. Provision for fog lamp relay
    - 18 H. Relay for heated rear screen and cigar lighter
    - 18 I. Relay for main beam
    - 18 L. Jumper for rear fog lights
    - 18 M. Provision for electric fuel pump (electronic injection)
19. Electronic ignition feed junction
    - 19 A. Secondary relay and fuse box feed provision
20. Right-hand repeater
21. Front left-hand brake friction pad wear sensor
22. Battery
23. Reversing light switch on gearbox
24. Oil temperature gauge sending unit
25. Engine coolant tempeature gauge sendint unit
26. Engine overheating warning light switch
27. Ignition distributor
28. Electronic ignition unit resistor
29. Front right-hand brake friction pad wear sensor
30. Resistor for electrofan first speed
31. Brake fluid low level warning light
32. Junction block
33. Pressure transmitter for engine oil low pressure warning light
34. Engine oil pressure gauge control
35. Ignition coil
36. Left-hand side loudspeaker provision
37. Junction block
    - 37 A. Electric fuel pump control provision
38. Ground carrier
39. Windscreen wiper motor
40. Windscreen washer motor
41. Engine bay light
    - 41 A. Relay for rear fog lights cut-out with main beams on
42. Steering column ground connection
43. Electronic ignition module
44. Left-hand side electric window lift geared motor (if fitted)
45. Roof lamp left-hand door switch
46. Junction block
    - 46 A. Automatic transmission provision
47. Junction block
48. Instruments cluster
    - 48 A. Eight-outlet junction block (white)
    - 48 B. Eight-outlet junction block (red)
    - 48 C. Eight-outlet junction block (white)
    - 48 D. Voltmeter
    - 48 E. Fog lamps warning light
    - 48 F. Rear fog lamp warning light
    - 48 G. Fuel reserve warning light
    - 48 H. Fuel level indicator
    - 48 I. Warning light test button with rheostat for instrument cluster light dimming
    - 48 L. Side light warning light
    - 48 M. Handbrake warning light
    - 48 N. Automatic transmission overheating warning light
    - 48 O. Brake fluid low level and front pads wear limit warning light
    - 48 P. Panel lights
    - 48 Q. Engine oil low pressure warning light and gauge
    - 48 S. Left-hand turn indicator
    - 48 T. Right-hand turn indicator warning light
    - 48 U. Engine coolant temperature gauge
    - 48 V. Engine overheating warning light
    - 48 Z. Electronic Rev. Counter
    - 48 X. Heated rear screen warning light
    - 48 Y. Alternator warning light
    - 48 J. Engine oil temperature gauge
    - 48 K. Dipped beam warning light
    - 48 W. Hazard signalling control warning light
49. Front roof light and spot-type lamp
50. Shunt junction block
51. Side lights, dipped beam, main beam and main beam flashing warning light
52. Turn indicator control
53. Windscreen wiper and washer control
54. Heated rear screen switch
55. Rear screen wiper/washer switch (H.P. Executive only)
56. Radio provision
57. Glove locker light
58. Junction block for power window lifts feed
59. Plug-in socket
60. Junction block for rear screen wiper/washer feed
61. Junction block
62. Roof lamp right-hand door switch
63. Right-hand window lift geared motor (if fitted)
    - 63 A. Right-hand loudspeaker provision
64. Booster fan motor
65. Hazard signalling shunter
66. Digital clock
67. Change-over switch for booster fan two-speed motor
68. Heater controls lights
69. Key switch for engine ignition, utilities and antitheft device
70. Fog lights switch (if fitted)
71. Item 70 and 73 feed junction block
72. Cigar lighter with lamp
73. Rear fog lights switch
74. Provision for aerial motor
75. Windscreen wiper intermittence device
76. Stop lights switch
77. Electronic flasher (turn indicator, hazard, handbrake)
78. Left-hand power window lift (if fitted)
79. Right-hand power window lift (if fitted)
80. Rear screen wiper/washer motor (H.P. Executive only)
81. Handbrake warning light switch
82. Rear roof lamp
83. Fuel level indicator control and warning light
84. Provision for electric fuel pump
85. Left-hand rear light cluster
    - 85 A. Turn indicator
    - 85 B. Stop light
    - 85 C. Side light
    - 85 D. Reversing light
86. Ground carrier
87. Left-hand rear fog lamp
88. Heated rear screen resistance
89. Rear screen wiper motor (H.P. Executive only)
90. Junction block for items 91-92
91. Number plate lights
92. Luggage compartment lamp (Coupé only)
93. Right-hand rear fog lamp
94. Ground carrier
95. Right-hand rear light cluster
    - 95 A. Turn indicator
    - 95 B. Stop light
    - 95 C. Side light
    - 95 D. Reversing light

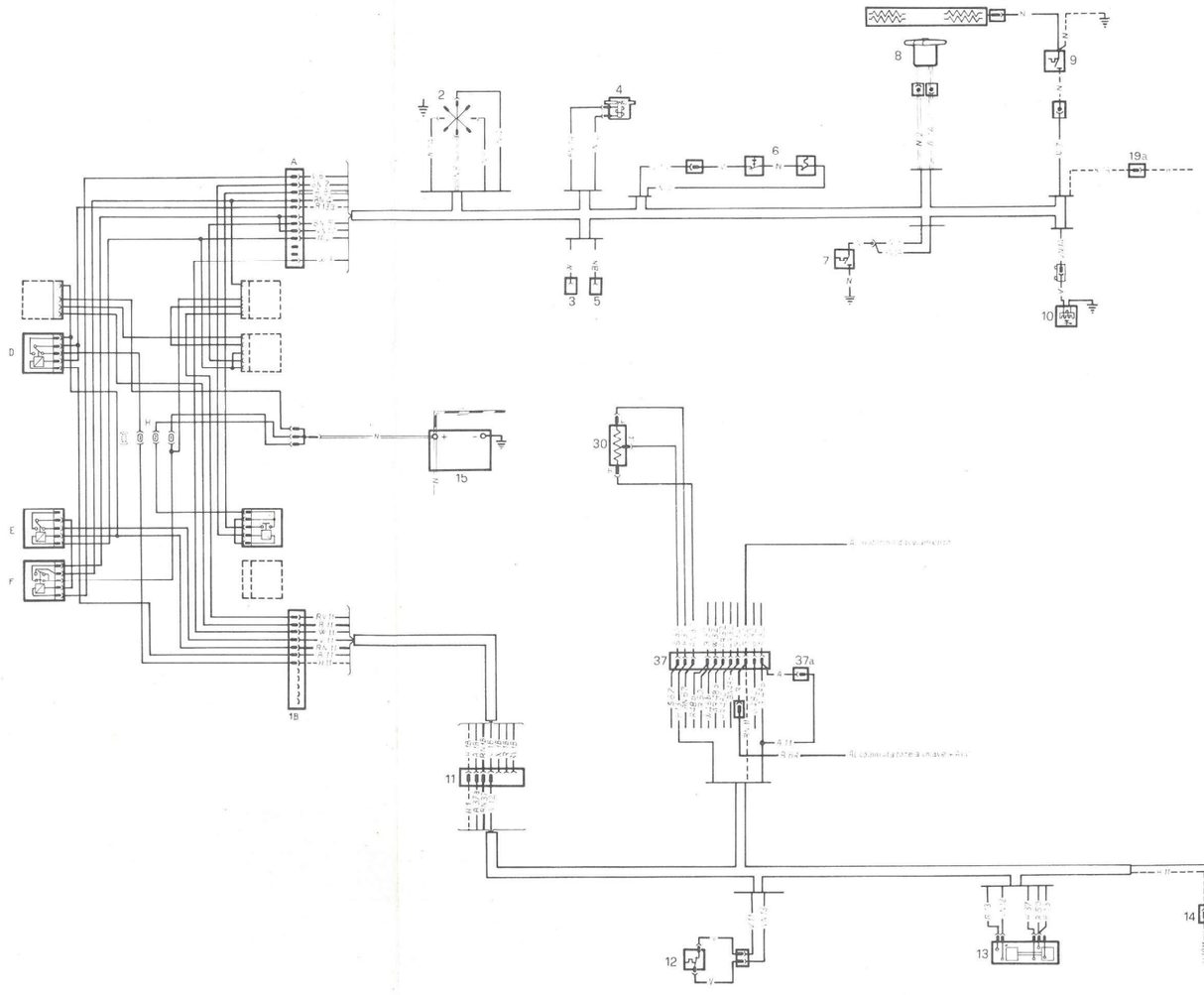


Cable colours

A	= Light blue	AB	= Light blue - White
B	= White	AN	= Light blue - Black
C	= Orange	BN	= White - Black
G	= Yellow	GN	= Yellow - Black
H	= Grey	HN	= Grey - Black
L	= Blue	HR	= Grey - Red
M	= Brown	VN	= Green - Black
N	= Black	NZ	= Black - Violet
R	= Red	MB	= Brown - White
S	= Pink	CB	= Orange - White
V	= Green	VB	= Green - White
Z	= Violet	ZB	= Violet - White
W	= Hazel	AG	= Light blue - Yellow
		HG	= Grey - Yellow
		SG	= Pink - Yellow
		BR	= White - Red
		GR	= Yellow - Red
		RV	= Red - Green

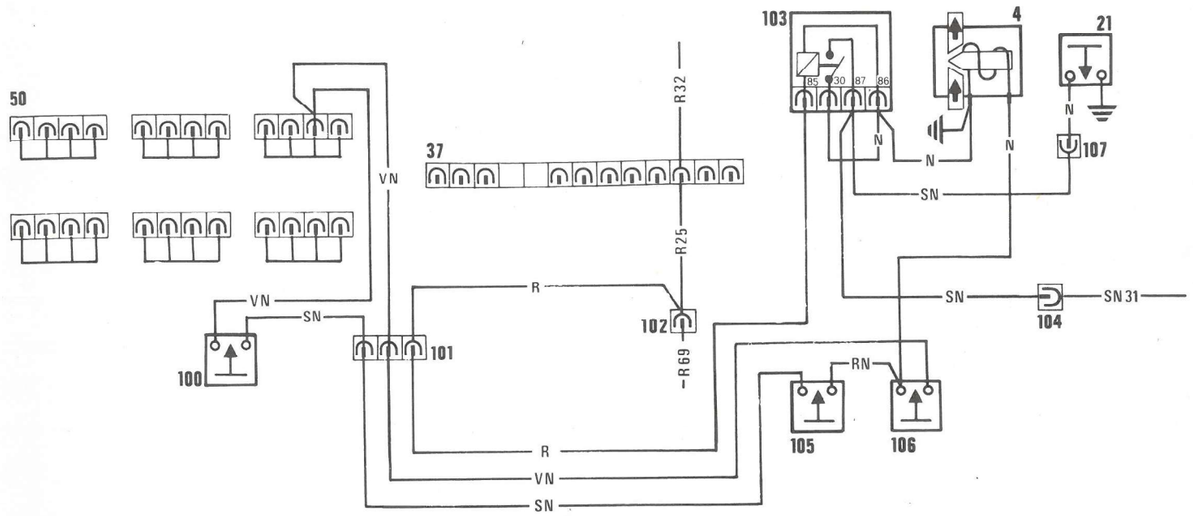
VARIANTS FOR CARS WITH AIR CONDITIONER

1. Secondary relay and fuse box includes:
   D) Relay for electric fuel pump
   E) Relay A/C system start cut-off
   F) Relay for electromagnetic coupling and fast-idling electrovalve
   G) Relay for radiation fan electrovalve
   H) Fuses: 1. Electromagnetic coupling and fast idling electrovalve, 8 Amp.
   2. Engine radiator fan, 25 Amp.
   3. Electric fuel pump, 8 Amp.
2. Ground carrier
4. Fast-idling electrovalve
6. Thermoswitch and minimum pressure gauge
7. Thermoswitch for radiator fan control (on condenser)
8. Radiator fan
9. Thermoswitch for radiator fan (on radiator)
10. Electromagnetic coupling
11. Seven-outlet junction block
12. Defrost thermoswitch
13. A/C system push-button carrier
14. One-outlet junction block
15. Battery
30. Resistor for booster first speed
37. Twelve-outlet junction block
50. Junction block
61. One-outlet junction block



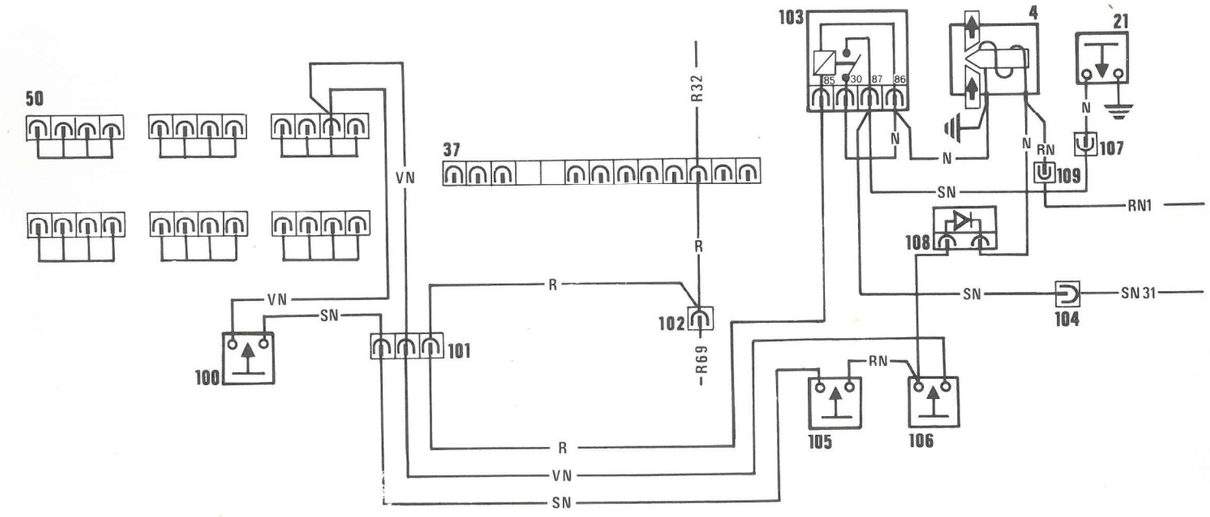
CARS MODELS 1982 AUSTRALIA VERSION — Variation to wiring diagram

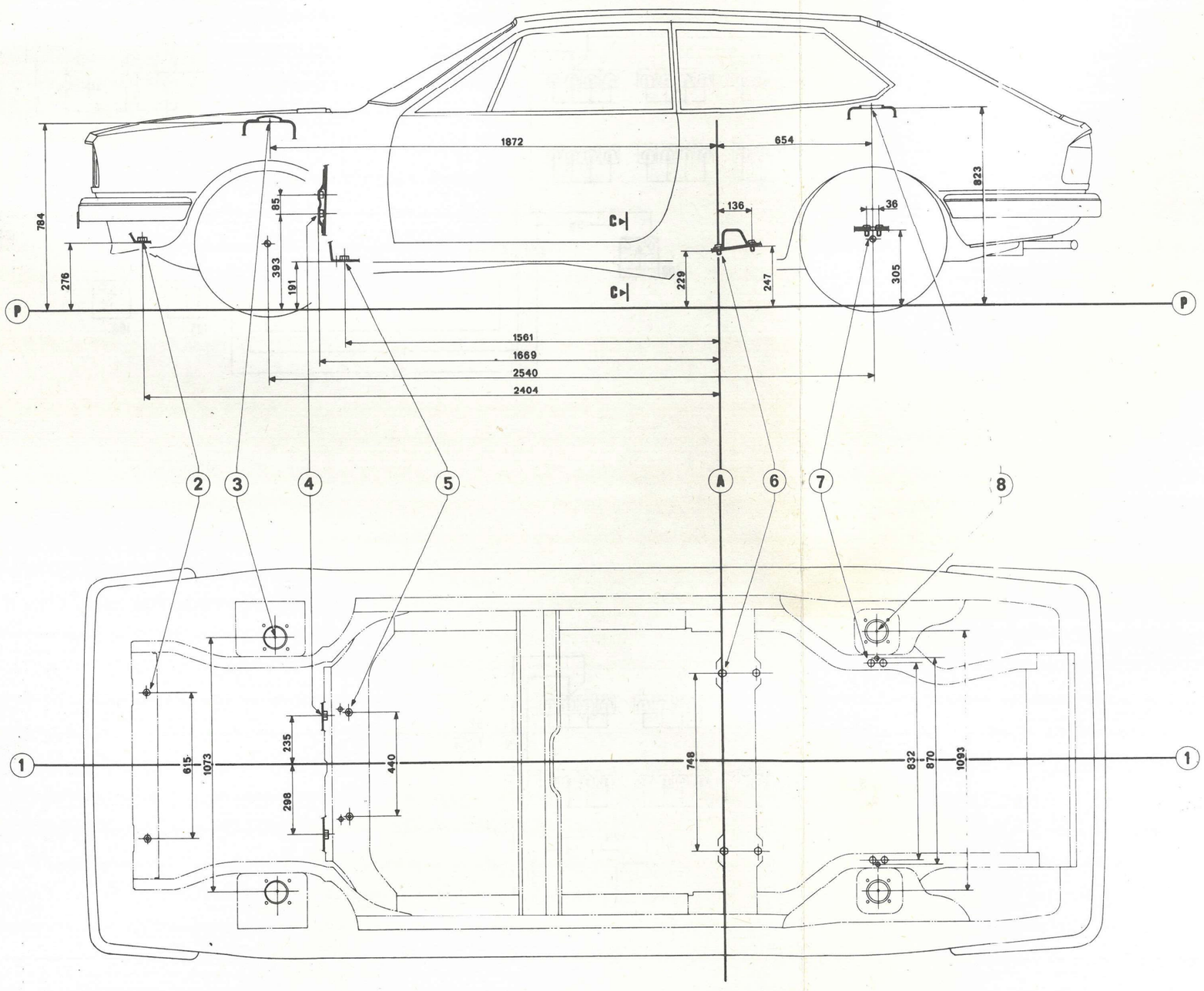
4. Fast - idling electrovalve
21. Front left - hand brake friction pad wear sensor
37. Junction block
50. Junction block
100. Switch on clutch pedal
101. Junction block
103. Brake warning light relay to starting
104. Junction block
105. Switch on gear box for 3rd and 4th gear
106. Push button switch for adjusting fast idle
107. Junction block



CARS MODELS 1982 AUSTRALIA VERSION WITH AIR CONDITIONING SYSTEM — Variation to wiring diagram

4. Fast - idling electrovalve
21. Front left - hand brake friction pad wear sensor
37. Junction block
50. Junction block
100. Switch on clutch pedal
101. Junction block
103. Brake warning light relay to starting
104. Junction block
105. Switch on gear box for 3rd and 4th gear
106. Push button switch for adjusting fast idle
107. Junction block
108. Diode
109. Junction block





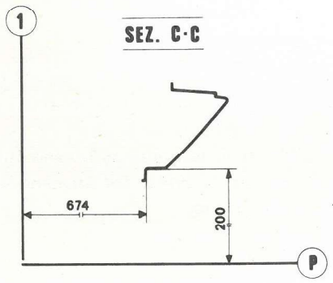
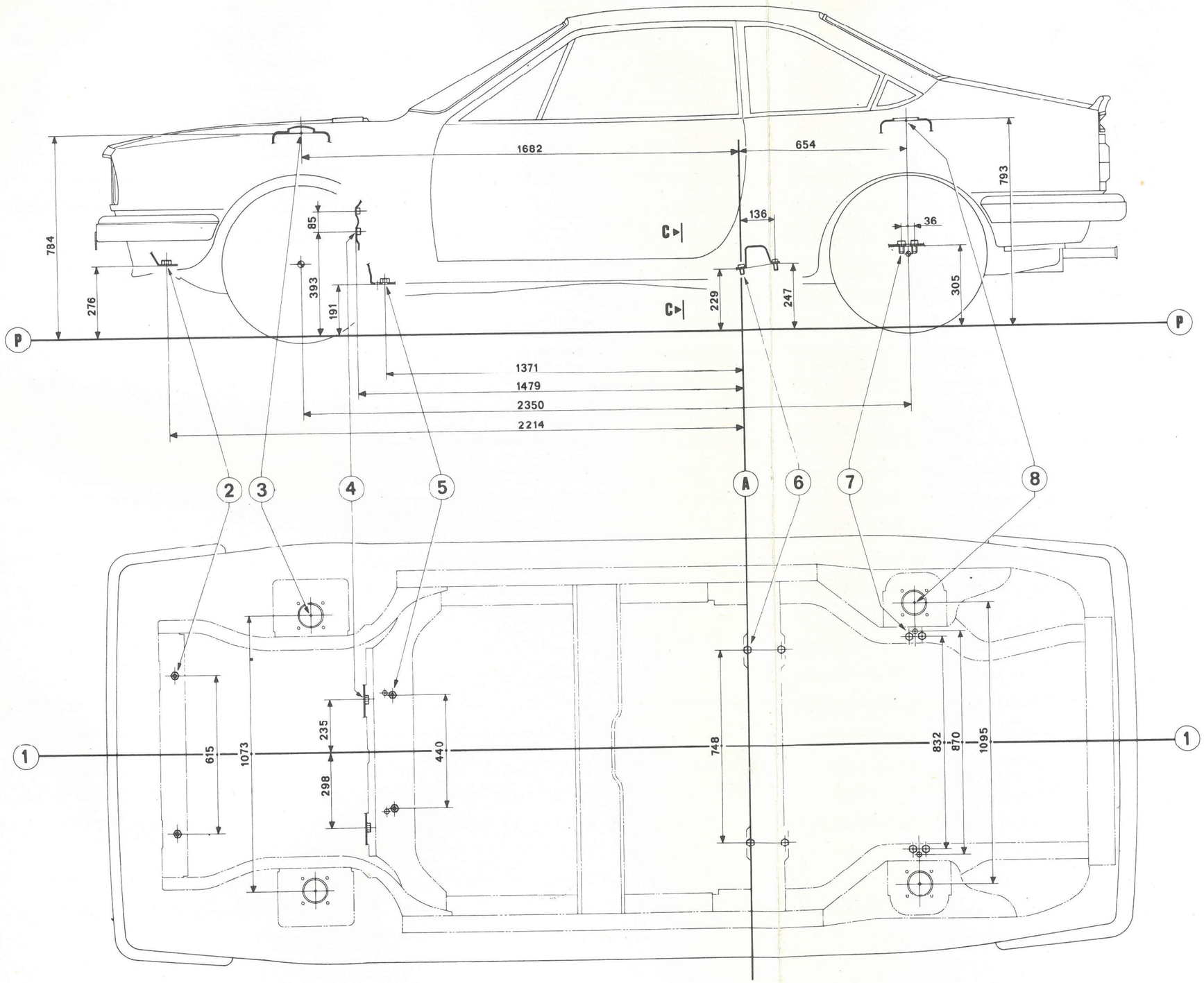


Diagram for checking underbody

A Transverse reference axis
P Reference plane

1) Car centre line
2) Front mounting for cross member supporting power unit, nuts M 14 x 1,5.
3) Front suspension shock absorber mounting, openings 90
4) Steering box mounting, nuts M 8 x 1,25
5) Rear mounting for cross member supporting power unit, nuts M 14 x 1,5
6) Rear suspension front mounting, bolts M 12 x 1,25
7) Rear suspension rear mounting, bolts M 10 x 1,25 openings 15
8) Rear suspension shock absorber mounting, openings 90

NOTE *All the measurements refer to the outer or contact surfaces of the mechanical components.*



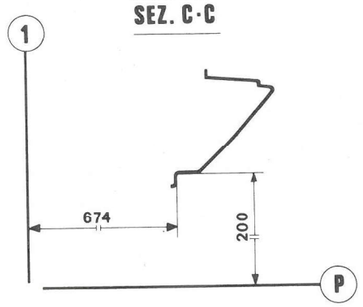


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