FIAT

Bravo/Brava

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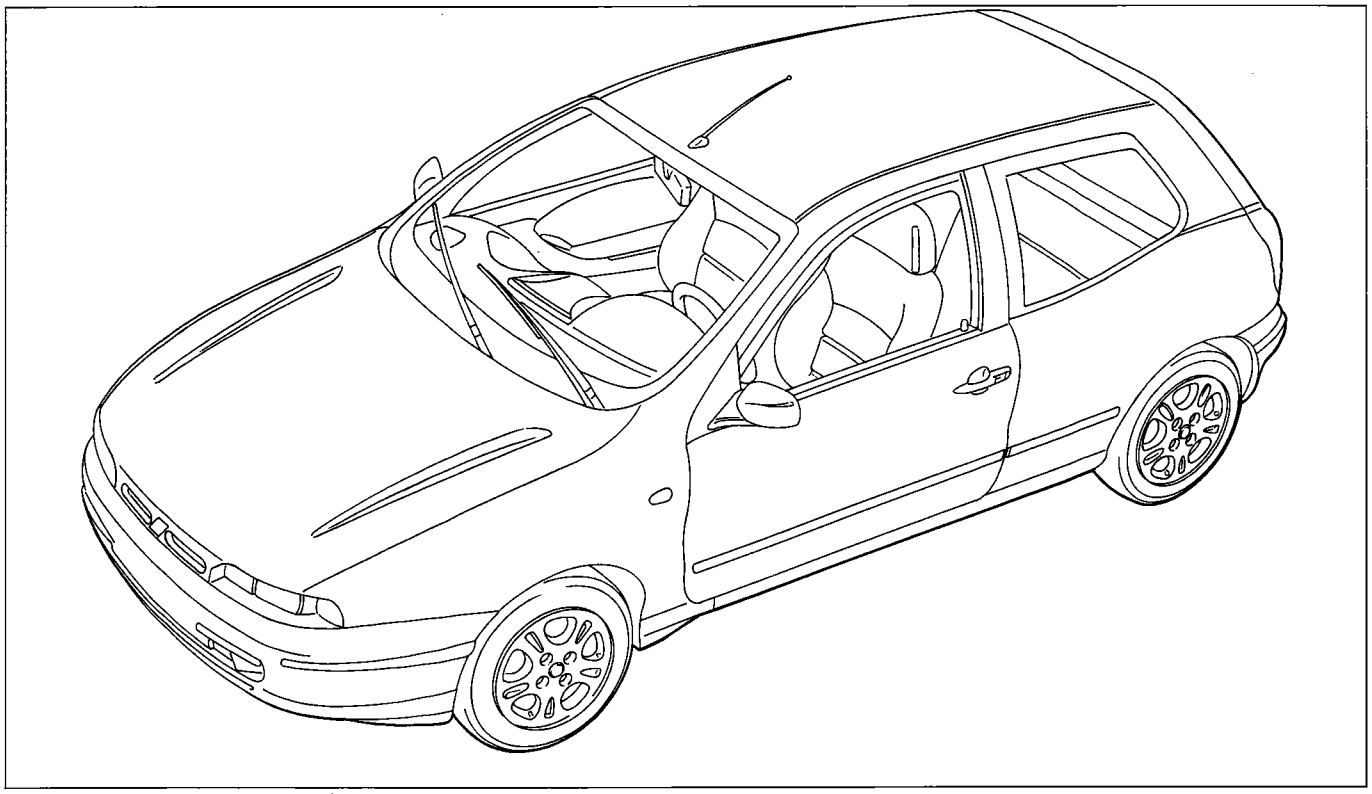
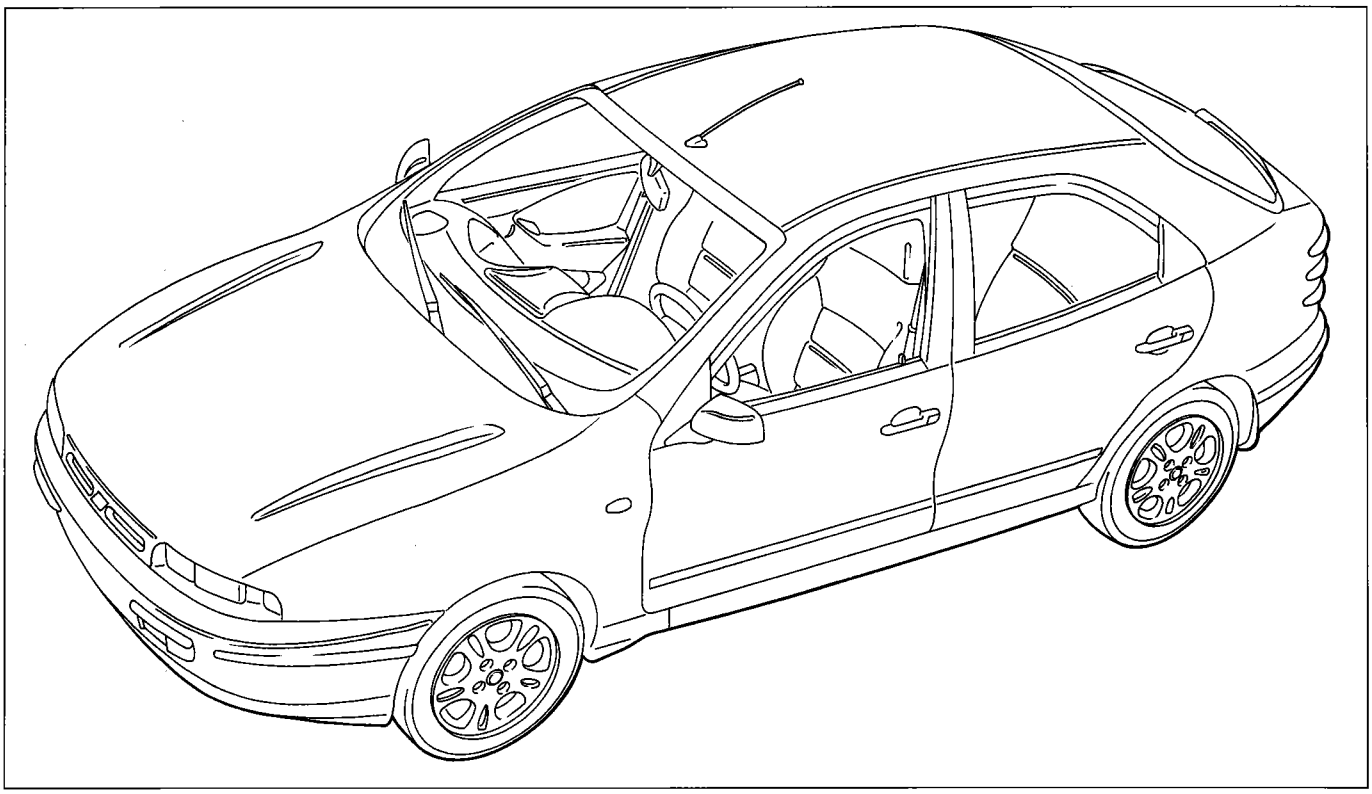
N.D. *Data not available at the time of printing*

The missing data for the Diesel and 1581 versions with automatic transmission are contained in the 3rd Volume.



P4A001A01

3/4 front view - Bravo



P4A001A02

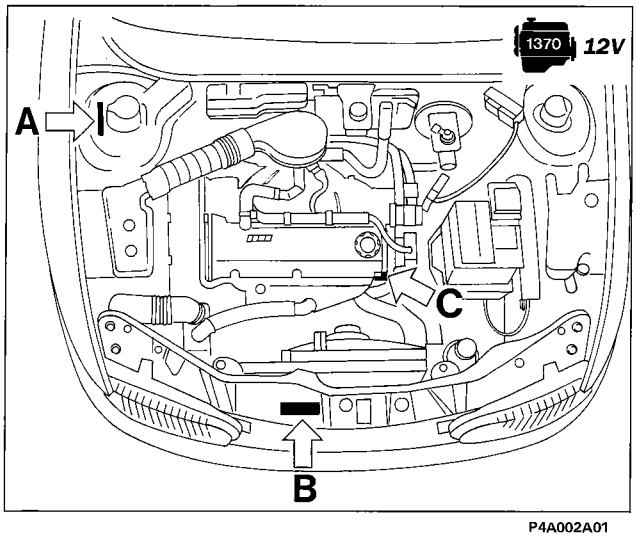
3/4 front view - Brava

	CHASSIS	ENGINE	VERSION	3 Door	5 Door	GEARBOX
1370 12V	ZFA 182 000	182 A3.000	182 AA 1AA 00	●		●
			182 BA 1AA 10		●	
		182 A5.000 (●)	182 AG 1AA 07 (●)	●		
			182 BG 1AA 16 (●)		●	
1581 16V		182 A4.000	182 AB 1AA 01	●		●
			182 AB 1AA 01 B (▲)	●		
			182 BB 1AA 11		●	
			182 BB 1AA 11B (▲)		●	
1747 16V		182 A6.000 (●)	182 AH 1AA 08 (●)	●		
			182 BH 1AA 17 (●)		●	
1998 20V		182 A2.000	182 AC 1AA 03	●		●
			182 AC 1AA 03B (▲)	●		
			182 BC 1AA 13		●	
			182 BC 1AA 13B (▲)		●	
			182 AC 1BA 04 (*)	●		
			182 BC 1BA 14 (*)		●	
1929 D		182 A1.000	182 AD 1AA 05	●		●
			182 AD 1AA 05B (▲)	●		
		160 A7.000	182 AE 1AA	●		●
			182 BE 1AA		●	
1910 TD		N.D.	N.D.	●	●	●

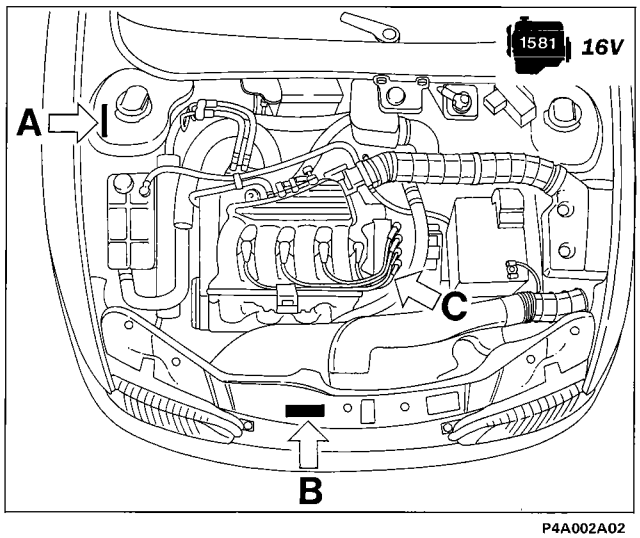
(●) Versions for specific markets (Germany)

(▲) Voluntary - Germany

(*) Versions for specific markets (France)

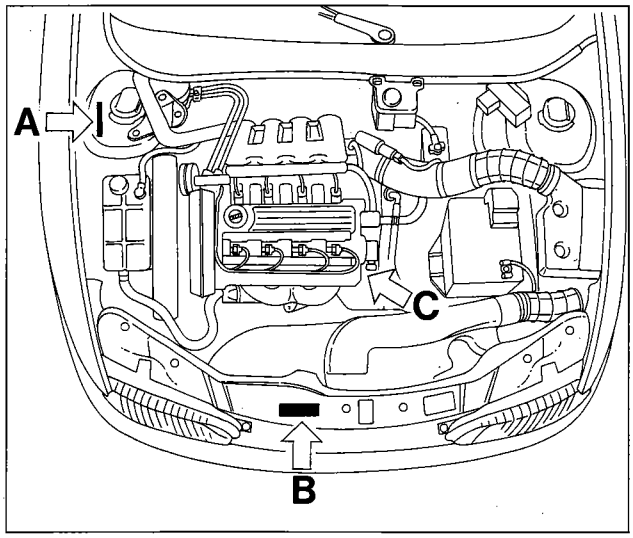


P4A002A01



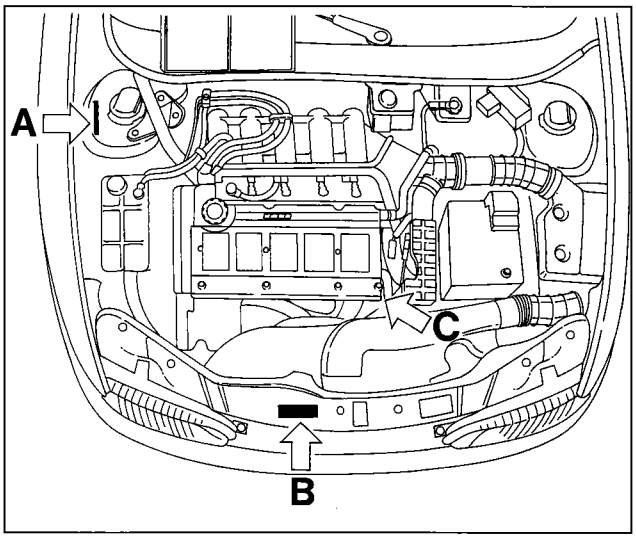
P4A002A02

1747 16V



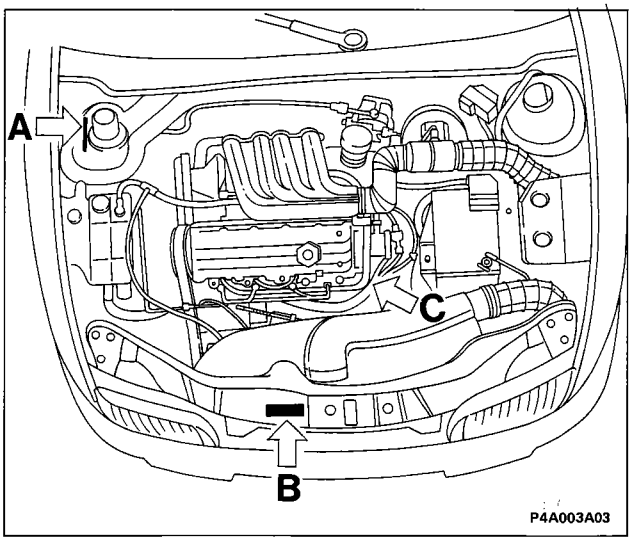
P4A003A01

1998 20V



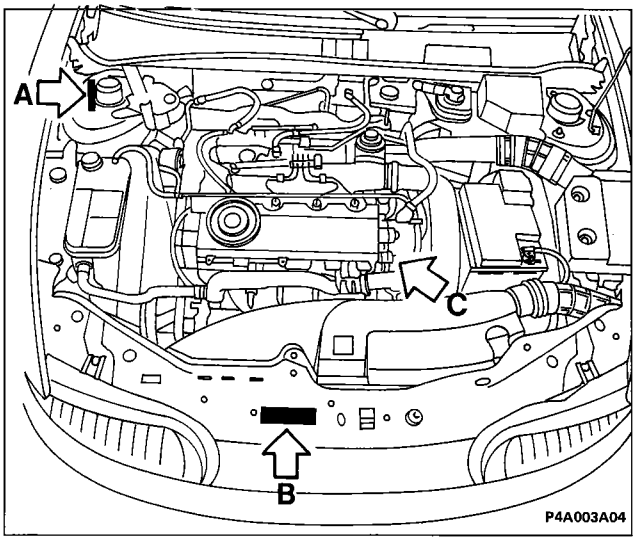
P4A003A02

1929 D



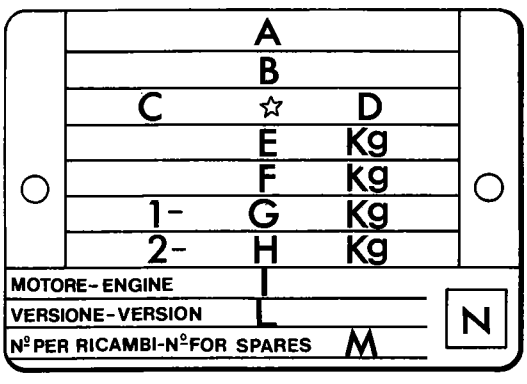
P4A003A03

1910 TD



P4A003A04

1. **Vehicle type identification code and chassis manufacture number**
2. **Engine type and number.**
3. **V.I.N. Plate** (EEC regulations)



F4A003A01

A. Name of manufacturer
B. Homologation number
C. Vehicle type identification code
D. Chassis manufacture number
E. Maximum authorized weight of vehicle fully laden
F. Maximum authorized weight of vehicle fully laden plus tow
G. Maximum authorized weight on first axle (front)
H. Maximum authorized weight on second axle (rear)
I. Engine type
L. Bodywork version code
M. Spares number
N. Correct value of smoke absorption coefficient (Diesel engines only)

WEIGHTS (in kg)

ENGINE TYPE	1370 12V	1581 16V	1747 16V	1998 20V	1929 D	1910 TD
3 door	1010	1050	1100	1190	1100	N.D.
5 door	1040	1090	1130	-	1130	N.D.
+500 = 150 — 3 door	1510	1550	1600	1690	1600	N.D.
+500 = 150 — 5 door	1570	1630	1680	-	1650	N.D.
Maximum permissible loads on the axles ■ — 3 door	850	850	900	970	850	N.D.
Maximum permissible loads on the axles ■ — 5 door	850	850	900	-	850	N.D.
Maximum permissible loads on the axles ■ — 3 door	850	850	900	900	850	N.D.
Maximum permissible loads on the axles ■ — 5 door	850	850	900	-	850	N.D.
Maximum permissible load on the roof	80	80	80	80	80	N.D.
Load on the tow hook (trailer with braking system) — Minimum	-	-	-	-	-	N.D.
Load on the tow hook (trailer with braking system) — Maximum	70	70	70	70	70	N.D.
Without braking system	400	400	400	400	400	N.D.
With braking system	1000	1100	1200	1300	1200	N.D.

■ Loads which must never be exceeded

NOTE FOR VERSIONS WITH ACCESSORIES: If special equipment is fitted (non standard air conditioner, sun roof, trailer towing device), the empty weight increases and therefore the carrying capacity may decrease, in relation to the maximum permissible loads.

The fuel consumption figures according to the 80/1268/EEC standards given overleaf have been defined in the course of official tests and in accordance with procedures laid down by EEC regulations. In particular the bench tests measure simulated urban cycle figures whilst consumption at constant speeds of 90 and 120 kph are measured directly on a flat, dry road and in equivalent bench tests. The fuel consumption figures according to the 93/116E standards have been defined in the course of homologation tests involving:

- an urban cycle which includes cold starting followed by a varied urban cycle simulation.
- an extra-urban cycle which includes frequent acceleration in all gears simulating normal extra-urban usage of the vehicle. The speed varies between 0 and 120 kph.
- The average combined consumption is obtained from 37% of the urban cycle and 63% of the extra-urban cycle. The type of journey, traffic conditions, driving styles, atmospheric conditions, trim level/equipment/accessories, whether a roof rack is fitted, the presence of special equipment and the general state of the vehicle can lead to fuel consumption figures which differ from those obtained through the above mentioned procedures. The CO_2 exhaust emissions (in g/km) are obtaine from the average combined cycle

(●) For French versions

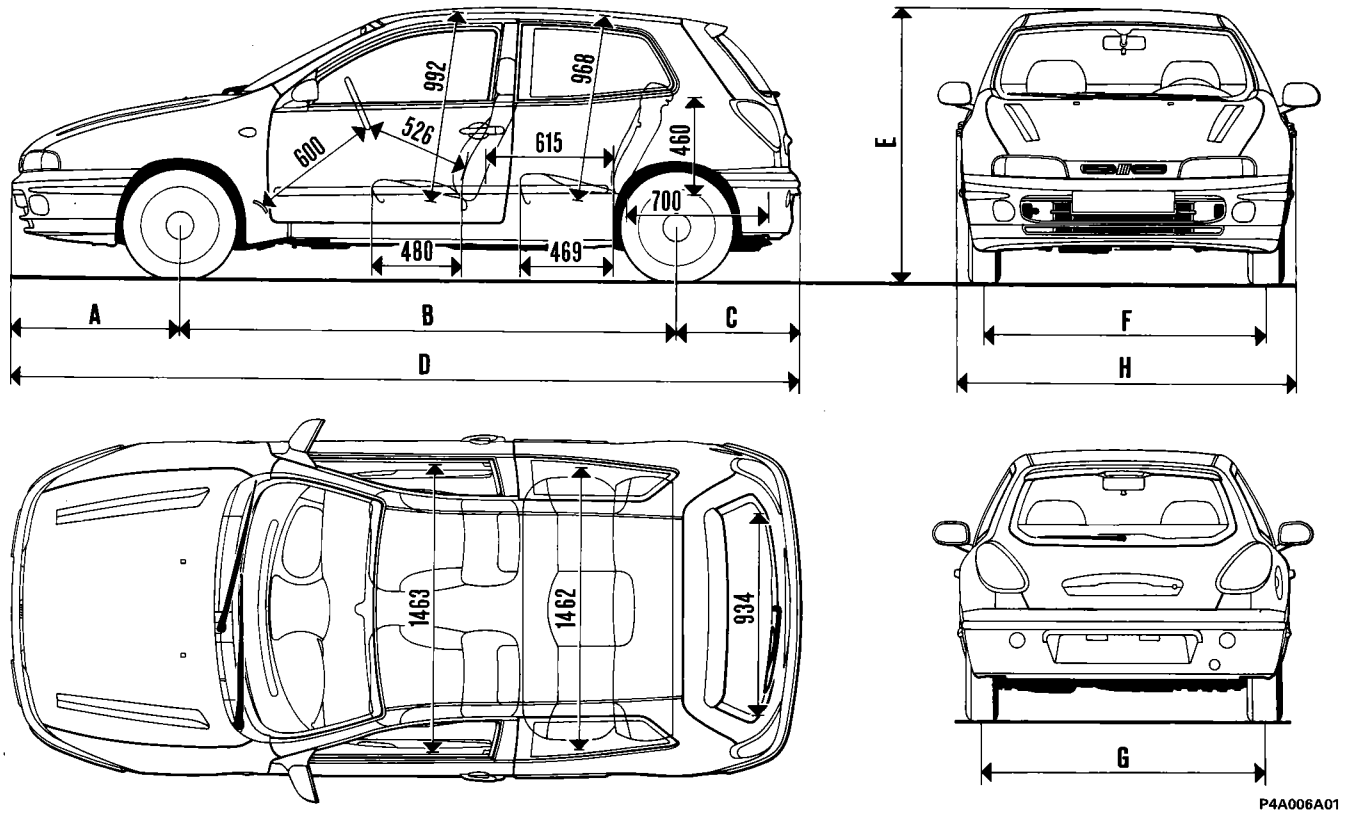
ENGINE TYPE		1370 12V	1581 16V	1747 16V	1998 20V	1929 D	1910 TD
Speed kph (average load)	1	45 (46▲)	52	50 (55●)	56	35	N.D.
	2	82 (80▲)	90	87 (95●)	89	61	N.D.
	3	120 (118▲)	132	128 (140●)	131	94	N.D.
	4	158 (155▲)	175	169 (191●)	172	132	N.D.
	5	170 (168■)	184 (180■) 180 (177■)	193 (190●) 190 (190●)	210	155	N.D.
	R	46	53	50 (55●)	55	35	N.D.
Maximum climable gradient %		37 (36▲) (35▲)	37				
Fuel consumption according to 80/1268/CEE stand. (litres/100 km) (*)	Urban cycle (A)	9	9,3	9,8 (9,5●)	11	6,5	N.D.
	Constant speed 90 kph (B)	5,2	5,5	5,8 (5,6●)	7,1	4,9	N.D.
	Constant speed 120 kph (C)	7	7,5	7,6 (6,9●)	8,7	6,9	N.D.
	Av. consumption (CCMC proposal) $\frac{A+B+C}{3}$	7,1	7,4	7,7 (7,3●)	8,9	6,1	N.D.
Fuel consumption according to 93/116/CE standards (litri/100 km) (*)	Urban	11,3 11,4	11,0 11,3	11,3(11●) 11,5(11,2●)	13,8	-	-
	Extra-urban	6,0 6,1	6,5 6,6	6,5(6,3●) 6,6(6,3●)	7,2	-	-
	Combined	7,9 8,0	8,2 8,3	8,3(8,0●) 8,4(8,1●)	9,6	-	-
CO_2 exhaust emissions (g/km)		188 191	194 197	197(191●) 199(193●)	228	-	-

(●) Versions for specific markets (France)
(■) Versions for specific markets (Germany)
(▲) Versions with C513 gearbox

(*) See specifications on previous page

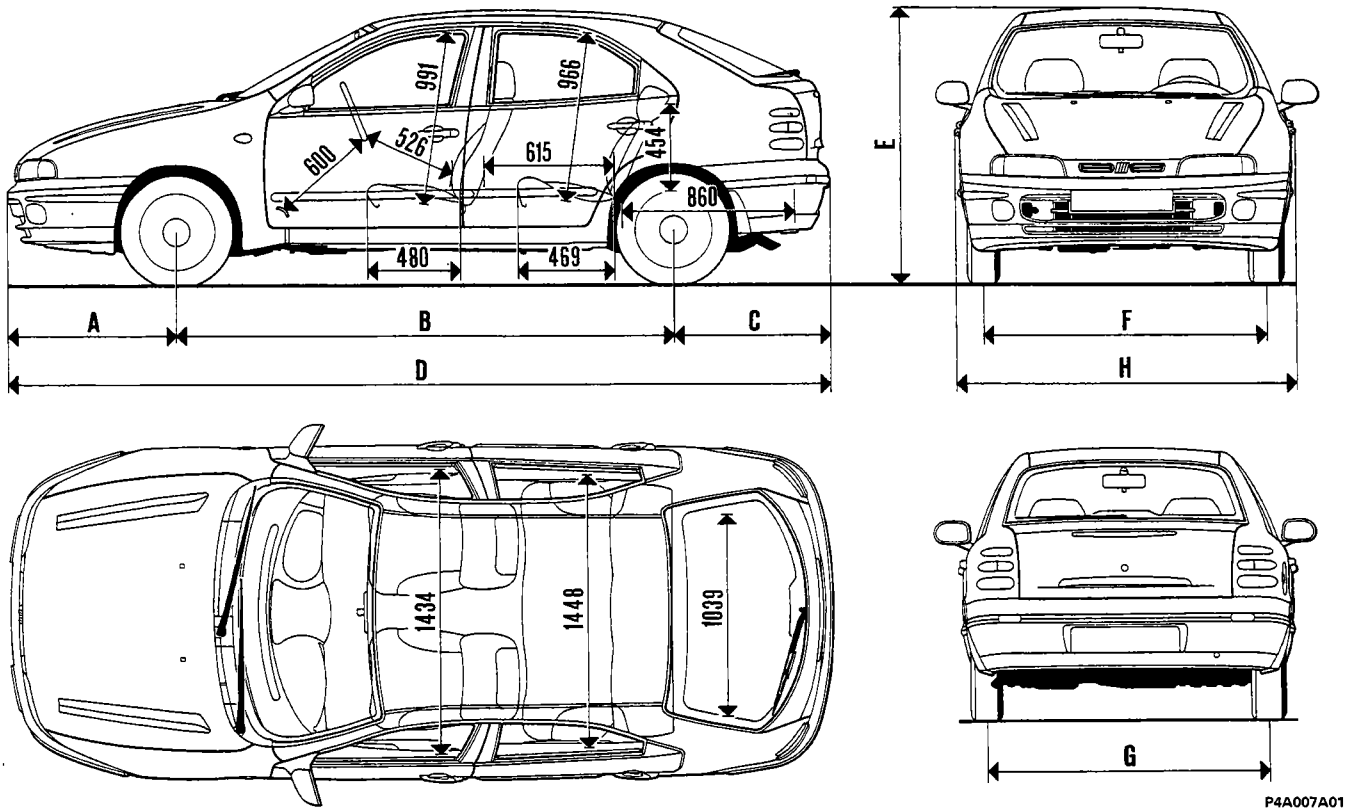
NOTE *The figures with the shaded background refer to the Fiat Brava*

3 DOOR VERSIONS



Engine type	Wheel rim	DIMENSIONS (mm)							
		A	B	C	D	E	F	G	H
1370 12V	5½J×14"-32 5½J×14"-37	858	2540	627	4025	1416	1461 1451	1463 1453	1755
1581 16V	6J×14"-43	858	2540	627	4025	1416	1439	1441	1755
1747 16V	6J×14"-43 6J×15"-40	858	2540	627	4025	1416	1439 1442	1441 1447	1755
1998 20V	6J×15"-49 6½×15"-49	864	2540	627	4025	1416	1471	1430	1755
1929 D	5½×14"-37	858	2540	627	4025	1416	1451	1453	1755
1910 TD	5½×14"-37 6J×14"-43	858	2540	627	4025	1411	1439	1441	1755

5 DOOR VERSIONS



Engine type	Wheel rim	DIMENSIONS (mm)							
		A	B	C	D	E	F	G	H
1370 12V	5½J×14"-32 5½J×14"-37	858	2540	789	4187	1413	1461 1451	1463 1453	1741
1581 16V	5½J×14"-37 6J×14"-43	858	2540	789	4187	1413	1451 1439	1453 1441	1771
1747 16V	5½J×14"-37 6J×14'-43	858	2540	789	4187	1413	1451 1439	1453 1441	1741
1929 D	5½J×14"-37	858	2540	789	4187	1143	1451	1453	1741
1910 TD	5½J×14"-37	858	2540	789	4187	1408	1451	1453	1741
	6J×14'-43						1439	1441	

Capacities	Unit		Quantity dm³(l)	Quantity (kg)
Petrol ⩾ O.R. 95 Unleaded		1370-1581	50	–
		1747-1998	60	–
Diesel		1910 TD-1929 D	60	–
50% + (▲) Paraflu FIAT 11	Total capacity of cooling system	1370	6(5,6■)	–
		1581	7(6,7■)	–
		1747	6,7(6,2■)	–
		1998	7,4(7,3■)	–
		1929 D	7,6(7,4■)	–
Petrol engines: SELENIA 20K (SAE 10 W/40)	Total capacity	1370	4,3	3,8
		1581	4,5	4
		1747	4,9	4,4
		1998	5,5	4,9
		1929 D	5,5	4,9
Diesel engines SELENIA Turbo Diesel (SAE 15 W/40)	Partial capacity (periodic replacement)	1370	4,1(3,9●)	3,7(3,5●)
		1581	3,8(3,5●)	3,4(3,1●)
		1747	4,3(3,9●)	3,9(3,5●)
		1998	5(4,5●)	4,45(4●)
		1929 D	4,9(4,2●)	4,4(3,8●)
a = TUTELA ZC 75 Synt (1 3 5 2 4 R)		1370 a	1,7	1,5
		1581-1747 1998-1929 D a	2	1,8
b = TUTELA GI/A		b	–	–
a = TUTELA GI/A	a	a	–	0,8
b = K 854	b	b	–	0,08
b = TUTELA MRM2	c	c	–	0,003
TUTELA TOP 4 (270°C)	Total capacity	w/out ABS	0,40	–
		with ABS	0,455 (0,54)* (0,43)**	–
+ AREXONS	3% / ~ - 10°C 50% / ~ - 20°C 100%		2,5÷5 (6,4 with headlamp washer)	–

(▲) Distilled water
(●) Engine sump only
(■) For versions with air conditioning
(*) For 1998 20V versions
(**) For 1929 D versions

Service News

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10/97

Fiat Auto S.p.A
D.M.C. - M.P.S. - Servizi Post Vendita
Tecnologie Assistenziali

Various models

models: Fiat Bravo-Fiat Brava - Fiat Marea - Fiat barchetta - Coupé Fiat

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15.97

0010 T 120 AA **CHANGING ENGINE OIL**

Service literature update with new oil capacity figures

Cancels and replaces the subject in question published in Service News 4/97 through the variation of the figures for the Fiat Bravo TD, Fiat Brava TD and Fiat Marea TD

TYPE OF PROBLEM

The oil capacity figures in the "Owner's Handbook" and the Service Manuals are not consistent with actual capacities of the engine.

OPERATIONS IN THE NETWORK

When changing the engine oil stick to the figures given below which update the corresponding ones in the Service Manual and the Owner's Handbook.
Provide the Customer with appropriate information on the subject, as necessary.

Model/version	Engine sump, filter and pipes (1st filling)		Engine sump		Engine sump and oil filter	
	dm³	Kg	dm³	Kg	dm³	Kg
Fiat Bravo 1.6	4,5	4,0	3,5	3,1	3,8	3,4
Fiat Brava 1.6	4,5	4,0	3,5	3,1	3,8	3,4
Fiat Marea 1.6	4,5	4,0	3,5	3,1	3,8	3,4
Fiat Bravo 1.8	4,6	4,1	3,9	3,5	4,3	3,85
Fiat Brava 1.8	4,6	4,1	3,9	3,5	4,3	3,85
Fiat Marea 1.8	4,6	4,1	3,9	3,5	4,3	3,85
Fiat barchetta	4,7	4,2	3,7	3,3	4,0	3,6
Coupé Fiat 1.8	5,0	4,5	4,0	3,6	4,4	3,9

IF14L7

Model/version	Engine sump, filter and pipes (1st filling)		Engine sump		Engine sump and oil filter	
	dm³	Kg	dm³	Kg	dm³	Kg
Fiat Bravo TD 75 and TD 100	5	4,35	4,2	3,75	4,5	4,0
Fiat Brava TD 75 and TD 100	5	4,35	4,2	3,75	4,5	4,0
Fiat Marea TD 75	4,7	4,2	4,2	3,75	4,5	4,0
Fiat Marea TD 100	5	4,35	4,2	3,75	4,5	4,0
Fiat Marea TD 125	5,8	5,1	5,0	4,4	5,3	4,7

Service News

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4/97

Fiat Auto S.p.A
D.M.C. - M.P.S. - Servizi Post Vendita
Tecnologie Assistenziali

Various models

models: Fiat Bravo-Fiat Brava - Fiat Marea - Fiat barchetta - Coupé Fiat

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15.97

0010 T 120 AA **CHANGING ENGINE OIL**

service literature update with new oil figures.

TYPE OF PROBLEM

The oil figures given in the "Owner's Handbooks" and the Service Manuals are not consistent with the actual engine capacities

OPERATIONS IN THE NETWORK

When changing the engine oil, refer to the figures given below which update the corresponding figures given in the Service Manual and the Owner's Handbook.

Please provide the Customer with suitable information on this subject, as appropriate.

Model/version	Engine sump, filter and pipes (1st filling)		Engine sump		Engine sump and oil filter	
	dm³	Kg	dm³	Kg	dm³	Kg
Fiat Bravo 1.6	4,5	4,0	3,5	3,1	3,8	3,4
Fiat Brava 1.6	4,5	4,0	3,5	3,1	3,8	3,4
Fiat Marea 1.6	4,5	4,0	3,5	3,1	3,8	3,4
Fiat Bravo 1.8	4,6	4,1	3,9	3,5	4,3	3,85
Fiat Brava 1.8	4,6	4,1	3,9	3,5	4,3	3,85
Fiat Marea 1.8	4,6	4,1	3,9	3,5	4,3	3,85
Fiat barchetta	4,7	4,2	3,7	3,3	4,0	3,6
Coupé Fiat 1.8	5,0	4,5	4,0	3,6	4,4	3,9

IF11D7

Model/version	Engine sump, filter and pipes (1st filling)		Engine sump		Engine sump and oil filter	
	dm³	Kg	dm³	Kg	dm³	Kg
Fiat Bravo TD 75 and TD 100	4,7	4,2	4,2	3,75	4,5	4,0
Fiat Brava TD 75 and TD 100	4,7	4,2	4,2	3,75	4,5	4,0
Fiat Marea TD 75 and TD 100	4,7	4,2	4,2	3,75	4,5	4,0
Fiat Marea TD 125	5,9	5,2	5,0	4,4	5,3	4,7