

**CUSTOMER SERVICES
AFTER-SALES TECHNICAL DEPARTMENT**

ALL A VEHICLES

PRODUCED SINCE 1963

Updating : No. 1 (September 1983) included
No. 2
No. 3

CHARACTERISTICS ADJUSTMENTS CHECKS

Manual 816-1

76-161



USING THE MANUAL

PRESENTATION.

To facilitate the use of the Manual, operations have been grouped in two volumes :

- Volume 1 contains :

- CHARACTERISTICS - ADJUSTMENTS - CHECKS

This volume which is essential for carrying out adjustments and repairs should be available in all workshops.

- Volume 2 contains :

- REMOVAL and FITTING

- RECONDITIONING

- ELECTRICAL SYSTEM

The above volumes are sold separately.

Each volume is presented in a blue Fibrex binder, with a « MULTO » type mechanism, which facilitates the filing of updated sheets or the removal of a particular operation needed by the workshop.

CONTENTS :

Each volume comprises :

- a list of operations contained in the volume

- a classification of operations in numerical order

- the list of all special tools mentioned in the operations and the manufacturing drawings of those which are not available on the market, but can be made by the repairer.

OPERATIONS.

The sequence of operations has been devised in order to obtain the best quality of work in the shortest period of time .

The operation numbers are made up of :

- a) the vehicle code letter : « A »
- b) a three figure number denoting the unit or unit element
- c) a figure denoting the type of operation :
 - the figures 0 0 0 denote the vehicle characteristics,
 - the figures 0 0 denote the unit characteristics,
 - the figure 0 denotes adjustments and checks,
 - the figures 1, 4, 7 denote removal and fitting,
 - the figures 2, 5, 8 denote stripping and reassembly,
 - the figures 3, 6, 9 denote reconditioning

The thumb indexing corresponding to the list of operations allows in quickly finding a particular operation.

TOOLS.

The special tools are indicated in the text by a number followed by the letter T.

These tools are sold by ;

- Etablissement FENWICK Department AMA 24, bd. Biron - 93404 St. OUEN - FRANCE - Tél. 252-82-85.

Tools to be made are indicated in the text by a number preceded with the letters MR. Drawings of these tools, can be found at the end of the present volume.

TIGHTENING TORQUES.

Torques are expressed in the following units :

- in decanewton-metres (da Nm)

$$9.81 \text{ Nm} = 1 \text{ m.kg} = 0.981 \text{ da Nm}$$

For practical purposes the values expressed in da Nm are « rounded off » so that 1 da Nm corresponds to 1 m.kg (the unit formerly used for measuring torques).

$$1 \text{ da Nm} = 1 \text{ m.kg}$$

NOTE : When a tightening torque figure is followed by the words « torque spanner », the operation must OF NECESSITY be carried out with a torque spanner.

ADVISORY SERVICE.

For all technical information concerning these vehicles , please contact :

CITROEN CARS Limited
After-sales Department
Mill St.
Slough Berks G.B.

OR : DEPARTEMENT TECHNIQUE APRES-VENTE
ASSISTANCE TECHNIQUE
163, avenue Georges Clemenceau
92000 NANTERRE
FRANCE

1

**LIST OF OPERATIONS IN
VOLUME No. 1 OF MANUAL 816**

« A » Vehicles produced since 1963

Supplement No. 1 to Manual 816-1 (CORR)

Operation number	LIST OF OPERATIONS
	GENERAL → (1)
A. 000	General characteristics
A. 01	Protection of electrical components
A. 02	Operations on hydraulic system (brakes)
A. 03	Recommended products
	ENGINE - CARBURATION - IGNITION → (2)
A. 100-00	Characteristics and special features of the engines
A. 112-0	Adjusting the rockers
A. 120-0	Checking the valve timing
A. 142-00	Characteristics of carburettors
A. 142-0	Adjusting carburettors and controls
A. 173-0	Checking the fuel supply system
A. 210-00	Characteristics of the ignition system
A. 210-0	Checking and adjusting the ignition
A. 220-0	Checking and adjusting the oil pressure, checking the vacuum in the crankcase : - Checking oil pressure on vehicle - Checking vacuum in the crankcase
	CLUTCH → (3)
A. 300-0	Checking the alignment of the engine-gearbox assembly (M.R tool)
A. 300-0a	Checking the alignment of the engine-gearbox assembly (T tool)
A. 312-00	Characteristics and special features of the clutch
A. 314-00	Checking and adjusting the clutch control
	GEARBOX → (4)
A. 330-00	Characteristics and special features of gearboxes
A. 334-0	Adjusting the gear selection forks
	TRANSMISSION → (5)
A. 372-00	Characteristics and special features of drive-shafts
	FRONT AXLE → (7)
A. 410-00	Characteristics and special features of the front axle
A. 410-0	Checking and adjusting the front axle : - Checking the camber - Checking and adjusting the front wheel alignment - Adjusting the steering angle - Checking a dismantled front suspension arm
	REAR AXLE → (8)
A. 420-00	Characteristics and special features of the rear axle
A. 420-0	Checking the rear axle - Checking the rear arms on the vehicle - Checking a rear arm removed from the vehicle

(1)

(2)

(3)

(4)

(5)

(7)

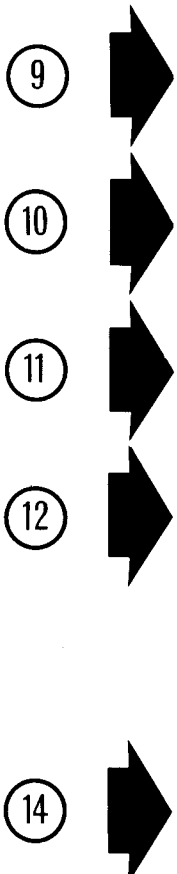
(8)



**LIST OF OPERATIONS IN
VOLUME No. 1 OF MANUAL 816**
« A » Vehicles produced since 1963

Manual 816-1

Operation number	LIST OF OPERATIONS
	SUSPENSION 9
A. 430-00	Characteristics and special features of the suspension
A. 430-0	Checking and adjusting the suspension : <ul style="list-style-type: none"> - Checking the heights - Adjusting the heights - Adjusting the front bump stops
	STEERING 10
A. 440-00	Characteristics and special features of the steering system
A. 440-0	Checking and adjusting the steering : <ul style="list-style-type: none"> - Checking and adjusting the front wheel toe-out - Adjusting the steering angle
	BRAKES 11
A. 450-00	Characteristics and adjustments of the braking system
A. 451-0	Checking and adjusting the brakes : <ul style="list-style-type: none"> - Adjusting the eccentrics - Bleeding the braking system - Checking the hydraulic system and its components for leaks - Checking front disc lateral run out
A. 453-0	Checking and adjusting the brake control <ul style="list-style-type: none"> - Adjusting the brake pedal clearance
A. 454-0	Adjusting the handbrake (drum brakes - disc brakes)
	ELECTRICAL SYSTEM 12
A. 530-0	Characteristics and checks of electrical components : <ul style="list-style-type: none"> - Dynamos and voltage regulators - Alternators and regulators (12 volts) - Starter motors - 24 volts equipment (<i>special for Mehari vehicles, Military type</i>)
A. 540-0	Adjusting the headlamps
	TOOLS 14
	List of special tools mentioned in the Manual Manufacturing drawings for tools not on sale



IDENTIFICATION OF « A » VEHICLES, ALL TYPES

(Vehicles as of 1963)

Usual name	Official symbol	Factory guarantee symbol *	Commercial symbol	Engine plate identification mark	Engine type
2 CV	AZ (series A and AM) 3/63→2/70	AZZ	2 CV AZL and 2 CV AZAM	AZ	A 53 (425 cc)
	AZ (series A 2) 2/70→9/75	AZA	2 CV 4	AYA 2	A 79/1 (435 cc)
	AZ (series KB) 9/75→9/78	KB	2 CV 4	AYA 2	A 79/1 (435 cc)
	AZ (series KB) 9/78→9/79	KB	2 CV Spécial	AYA 2	A 79/1 (435 cc)
	AZ (series KA) 2/70→9/78	KA	2 CV 6	AK 2	M 28/1 (602 cc)
	AZ (series KA) 9/78→7/79	KA	2 CV 6	A 06/635	M 28/1 (602 cc)
	AZ (series KA) 7/79→7/81	KA	2 CV 6 Spécial, Club or Spécial E or Charleston	A 06/635	M 28/1 (602 cc)
DYANE	AYA (series A and AM) 8/67→3/78	AZZ	Dyane 4 Dyane 6 Dyane 6	AYA	A 79/0 (425 cc)
	AYA 2 (series A and AM) 3/68→2/70			AYA 2	A 79/1 (435 cc)
	AYA3 (series A and AM) 1/68→10/68			AM	M 4 (602 cc)
	AYB (series A and AM) 10/68→2/70	AK 2	M 28/1 (602 cc)		
	AYA2 (series A and AM) 2/70→9/75	AYA 2	A 79/1 (435 cc)		
AY (series CB) 2/70→	CB		AM 2	M 28 (602 cc)	
MEHARI	AY (series CA) 10/68→7/78	CA	Méhari	AK 2	M 28/1 (602 cc)
	AY (series CA) 7/78→	CA	Méhari	A 06/635	M 28/1 (602 cc)
2 CV Van	AZU (series A) 3/63→8/72	AZZ	{ AZU 1/63→8/67 AZU 8/67→8/72	AZ	A 53 (425 cc)
	AZU (series B) 8/72→9/75	AZU		Citroën 250	AYA
	AK series AP (AZU) 9/75→2/78	AZU	Citroën 250	AYA 2	AYA 2
3 CV Van	AK 1/63→5/68	AZZ	AK	AM	M 4
	AK (series B) 5/68→8/70		AK	AK 2	M 28/1 (602 cc)
	AK (series AK) 8/70→2/78	AK	Citroën 400	AK 2	M 28/1
	AY (series CD) 2/78→	CD	Acadiane	AM 2 A	M 28/1 (602 cc)
	AY (series CD modified) 8/80→	CD	Acadiane L.P.G.	AM 2 A L.P.G.	M 28/1 (602 cc)
3 CV Saloon and Estate	AM →5/68	AZZ	AMI 6	AM	M 4
	AMB - AMC - AMF		AMI 6 Estate	AM	M 4
	AM 2 - AMC - AMF 5/68→3/69		AMI 6	AM 2	M 28
	AMB 2 5/68→7/69		AMI 6 Estate	AM 2	M 28
	AM 3 3/69→7/69	JA	AMI 8	AM 2	M 28
	AM (series JA)	JB	AMI 8	AM 2	M 28
	AM (series JB)	JB	AMI 8 Estate/Commer.	AM 2	M 28
	AM (series JC)	JC	AMI 8 Service Estate	AM 2	M 28

* All vehicles produced before the 1972 motor show have the factory guarantee symbol : AZZ.

Vehicles which are no longer commercialized.

SALOONS

	All 2 CV Saloons	All Dyane Saloons	All 3 CV Saloons
Number of seats	4	4	4
Tyres : Type: { (tubeless) (export with inner tube)	125 - 380 X 135 - 380 X	125 - 380 X	125 - 380 X
Pressure in bars : { Front Rear	See Owner's Manual		
General dimensions :			
Wheel base	2.400 m (7 ft 10.4 in)	2.400 m (7 ft 10.4 in)	2.400 m (7 ft 10.4 in)
Front track	1.260 m (4 ft 1.6 in)	1.260 m (4 ft 2.6 in)	1.260 m (4 ft 2.6 in)
Rear track	1.260 m (4 ft 1.6 in)	1.260 m (13 ft 1.1 in)	1.220 m (4.00 ft)
Overall length	3.830 m (12 ft 8.3 in)	3.870 m (5 ft)	3.991 m (13 ft 1.1 in)
Overall width	1.480 m (4 ft 11 in)	1.500 m (4 ft 10.4 in)	1.524 m (5 ft)
Overall height (empty)	1.600 m (5 ft 0.6 in)	1.540 m (4 ft 10.8 in)	AMI 6 : 1.485 m (4 ft 10.4 in) AMI 8 : 1.494 m (4 ft 10.8 in)
Ground clearance (loaded)	0.150 m (5 in)	0.155 m (5.08 in)	AMI 6 : 0.160 m (5.25 in) AMI 8 : 0.130 m (4.26 in)
Turning circle	10.700 m (35 ft 1.2 in)	10.700 m (35 ft 1.2 in)	11.400 m (35 ft 4.8 in)
Kerb weight	2 CV → 2/1970 535 kg (1180 lbs) 2 CV 2/1970 → 560 kg (1235 lbs)	See table page four	AMI 6 : 670 kg (1477 lbs) AMI 8 : 725 kg (1598 lbs)
Gross vehicle weight	2 CV → 2/1970 870 kg (1918 lbs) 2 CV 2/1970 → 895 kg (1973 lbs)	See table page four	AMI 6 : 980 kg (2160 lbs) AMI 8 : 1050 kg (2315 lbs)
Towing :			
Maximum weight on tow bar	2 CV AZL : 20 kg (44 lbs) 2 CV 4 and 6 : 35 kg (77 lbs)	Dyane → 3/1968 20 kg (44 lbs) Dyane 3/1968 → 35 kg (77 lbs)	35 kg (77 lbs)
Maximum weight without brakes	2 CV AZL : 200 kg (441 lbs) 2 CV 4 and 6 : 270 kg (595 lbs)	Dyane → 3/1968 200 kg (441 lbs) Dyane 3/1968 → 270 kg (595 lbs)	AMI 6 : 340 kg (750 lbs) AMI 8 : 360 kg (794 lbs)
Maximum weight with inertia brakes	400 kg (882 lbs)	400 kg (882 lbs)	500 kg (1102 lbs)
Maximum gradient with a trailer	2 CV → 2/1970 11 ‰ (1 in 9) 2 CV 2/1970 → 12 ‰ (1 in 8)	12 ‰ (1 in 8)	11 ‰ (1 in 9)
Maximum weight on roof rack	30 kg (66 lbs)	30 kg (66 lbs)	30 kg (66 lbs)
Capacities :			
Petrol tank	2 CV AZL } 20 litres 2 CV 4 } (4.40 Imp.gal) 2 CV 6 25 litres (5.50 Imp.gal.)	Dyane 4 : 20 litres Dyane 6 : 25 litres	AMI 6 : 25 litres (5.50 Imp.gal) AMI 8 : 30 litres (6.60 Imp.gal)
Engine :			
Engine casing after draining	2 CV 4 2.3 litres (4 Imp.pts) 2 CV 6 2.4 litres (4.2 Imp.pts)	Dyane 4 : 2.3 litres (4 Imp.pts) Dyane 6 : 2.4 litres (4.2 Imp.pts)	2.4 litres (4.2 Imp. pts)
Gearbox	0.9 litres (1.6 Imp.pts)	0.9 litres (1.6 imp.pts)	0.9 litres (1.6 Imp.pts)

ESTATES and VANS

Number of seats :

Without rear bench-seat

With rear bench-seat

Tyres :

Type { tubeless
with inner tube

Pressure in bars (psi) { front
rear

General dimensions :

Wheelbase

Front track

Rear track

Overall length

Overall height (empty)

Overall width

Ground clearance (loaded)

Turning circle

Kerb weight

Gross vehicle weight

Towing :

Maximum weight on towbar

Maximum weight without brakes

Maximum weight with inertia brakes

Maximum gradient with a trailer

Maximum weight on roof rack

Capacities :

Petrol tank

Engine :

Engine casing after draining

Gearbox

	3 CV Estate	« Mehari »
Number of seats :		
Without rear bench-seat	Commercial Estate 2/3	2
With rear bench-seat	« Familial » Estate 4/5	4
Tyres :		
Type { tubeless with inner tube	125 - 380 or 135 - 380 X	135 - 380 X 135 - 380 XM + S
Pressure in bars (psi) { front rear		
General dimensions :		
Wheelbase	2.400 m (7 ft-10.4 in)	2.400 m (7 ft-10.4 in)
Front track	1.260 m (4 ft-1.6 in)	1.260 m (4 ft-1.6 in)
Rear track	1.220 m (4 ft)	1.260 m (4 ft-1.6 in)
Overall length	3.991 m (13 ft-1.1 in)	3.520 m (11 ft-6.5 in)
Overall height (empty)	1.520 m (4 ft-11 in)	1.530 m (5.00 ft)
Overall width	1.524 m (5.00 ft)	1.530 m (5.00 ft)
Ground clearance (loaded)	0.130 m (5.11 in)	0.177 m (6.96 in)
Turning circle	11.400 m (37 ft-4.8 in)	10.700 m (35 ft-1.2 in)
Kerb weight	AMI 6 : 690 kg (1521 lbs) AMI 8 : 725 kg (1598 lbs)	555 kg (1224 lbs)
Gross vehicle weight	AMI 6 : 1065 kg (2348 lbs) AMI 8 : 1100 kg (2425 lbs)	935 kg (2061 lbs)
Towing :		
Maximum weight on towbar	35 kg (77 lbs)	35 kg (77 lbs)
Maximum weight without brakes	AMI 6 : 340 kg (750 lbs) AMI 8 : 360 kg (794 lbs)	270 kg (595 lbs)
Maximum weight with inertia brakes	500 kg (1102 lbs)	400 kg (882 lbs)
Maximum gradient with a trailer	11 % (1 in 9)	11 % (1 in 9)
Maximum weight on roof rack	30 kg (66 lbs)	30 kg (66 lbs)
Capacities :		
Petrol tank	AMI 6 : 25 litres (5.50 Imp.gal) AMI 8 : 30 litres (6.60 Imp.gal)	25 litres (5.50 Imp. gal)
Engine :		
Engine casing after draining	2.4 litres (4.2 Imp.gal)	2.4 litres (4.2 Imp.gal)
Gearbox	0.9 litre (1.6 Imp.gal)	0.9 litre (1.6 Imp.gal)

ESTATES and VANS

2 CV Van	3 CV Van	Acadiane 3 CV Van
2 4 135 - 380 X authorized fitting 135 - 380 X	2 4 135 - 380 X	2 135 SR 15 ZX For authorized fittings see owner's manual

See owner's manual

<p>2.400 m (7-ft-10.4 in) 1.260 m (4 ft-1.6 in) 1.260 m (4 ft-1.6 in) 3.605 m (11 ft-9.9 in) 1.723 m (5 ft-7.8 in)</p> <p>1.500 m (4 ft-11 in) 0.180 m (7.08 in) 10.700 m (35 ft-1.2 in) See table page 4</p> <p>See table page 4</p> <p>35 kg (77 lbs) AZU → 2/1972 : 200 kg (441 lbs) AZU 2/1972 → : 270 kg (595 lbs) 400 kg (882 lbs) AZU → 2/1972 : 11 % (1 in 9) AZU 2/1972 → : 12 % (1 in 8) 30 kg (66 lbs)</p> <p>20 litres → 7/1971 (4.40 Imp.gal) 25 litres 7/1971 → (5.50 Imp.gal)</p> <p>2.3 litres (4 Imp.gal) 0.9 litre (1.6 Imp.gal)</p>	<p>2.400 m (7 ft-10.4 in) 1.260 m (4 ft-1.6 in) 1.260 m (4 ft-1.6 in) 3.805 m (12 ft-5.8 in) AK and AKB :: 1.723 m (5 ft-7.8 in) AK series AK :: 1.840 m (6 ft-0.4 in) 1.500 m (4 ft-11 in) 0.160 m (6.29 in) 10.700 m (35 ft-1.2 in) See table page 4</p> <p>See table page 4</p> <p>35 kg (77 lbs) AK → 5/1968 : 200 kg (441 lbs) AK 5/1968 → : 270 kg (595 lbs) 500 kg (1102 lbs) 12 % (1 in 8)</p> <p>30 kg (66 lbs)</p> <p>25 litres (5.50 Imp.gal)</p> <p>2.4 litres (4.2 Imp.gal) 0.9 litre (1.6 Imp.gal)</p>	<p>2.535 m (8 ft-3.8 in) 1.260 m (4 ft-1.6 in) 1.260 m (4 ft-1.6 in) 4.030 m (13 ft-2.6 in) 1.825 m (5 ft-11.8 in)</p> <p>1.500 m (4 ft-11 in) 0.140 m (5.51 in) 11.44 m (37 ft-6.3 in) 680 kg (1499 lbs)</p> <p>1155 kg (2546 lbs)</p> <p>35 kg (77 lbs) 335 kg (738 lbs) 500 kg (1102 lbs) 12 % (1 in 8)</p> <p>40 kg (88 lbs)</p> <p>25 litres (5.50 Imp. gal)</p> <p>2.4 litres (4.2 Imp.gal) 0.9 litre (1.6 Imp.gal)</p>
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« DYANE »

(Vehicles produced until February 1970)

	AYA (Series A and AM) Dyane 8/1967 → 3/1968	AYA 2 (Series A and AM) Dyane 4 3/1968 → 2/1970	AYA 3 (Series A and AM) AYB (Series A and AM) Dyane 6 AYA 3 1/1968 → 10/1968 AYB 10/1968 → 2/1970
Kerb weight	<ul style="list-style-type: none"> { AYA series A Saloon = 570 kg (1257 lbs) Commercial = 585 kg (1290 lbs) { AYA series AM Saloon = 575 kg (1268 lbs) Commercial = 590 kg (1300 lbs) 	<ul style="list-style-type: none"> { AYA 2 series A and AM Saloon = 590 kg (1300 lbs) Commercial = 605 kg (1333 lbs) 	<ul style="list-style-type: none"> { AYA 3 series A Saloon = 585 kg (1290 lbs) Commercial = 600 kg (1323 lbs) { AYA series AM Saloon = 590 kg (1300 lbs) Commercial = 605 kg (1333 lbs) { AYB series A and AM Saloon = 600 kg (1323 lbs) Commercial = 605 kg (1333 lbs) AYA 3 = 925 kg (2039 lbs) AYB = 930 kg (2050 lbs)
Gross vehicle weight	910 kg (2006 lbs)	925 kg (2039 lbs)	

« DYANE »

(Vehicles produced since February 1970)

	AYA 2 (Series A and AM) Dyane 2/1970 → 9/1975	AY (Series CB) Dyane 6 2/1970 →
Kerb weight	590 kg (1300 lbs)	600 kg (1323 lbs)
Gross vehicle weight	925 kg (2039 lbs)	930 kg (2050 lbs)

« 2CV and 3 CV VANS »

	AZU (Series A) AZU (Series B) AZU (Series A) 1/1963 → 2/1972 CITROEN 250 2/1972 → 2/1978	AK AK (Series B) AK (Series AK) AK 1/1963 → 5/1968 AK (Series B) 5/1968 → 8/1970 CITROEN 400 8/1970 → 2/1978
Kerb weight	530 kg → 2/1972 (1168 lbs) 560 kg 2/1972 → (1235 lbs)	AK and AKB = 620 kg (1366 lbs) AK (Series AK) = 640 kg (1410 lbs)
Gross vehicle weight	880 kg → 2/1972 (1940 lbs) 910 kg 2/1972 → (2006 lbs)	AK and AKB = 1055 kg (2325 lbs) AK (Series AK) = 1115 kg (2458 lbs)

IDENTIFICATION OF VEHICLE COMPONENTS

(France)

2 CV SALOON

A.00-14

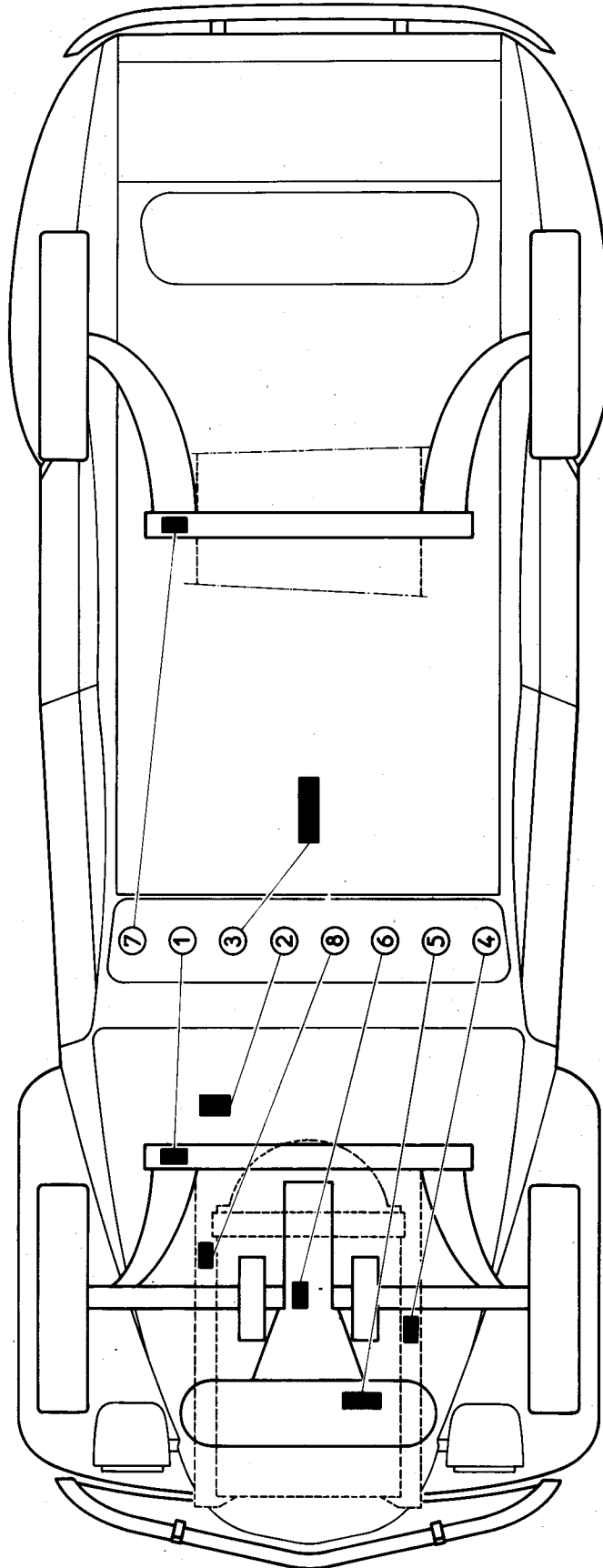
Manual 816-1

S.A. A. CITROEN	
TYPE	SERIE
PTC	PTR

CHASSIS No. PLATE ②

REPEAT CHASSIS No. ③

FRONT SUBFRAME IDENTIFICATION LABEL ①



- ④ PLATFORM No. PLATE
- ⑤ S.A. A. CITROEN TYPE ENGINE No. PLATE
- ⑥ GEARBOX IDENTIFICATION LABEL
- ⑦ REAR SUBFRAME IDENTIFICATION LABEL
- ⑧ POCKET-FOLDER IDENTIFICATION LABEL

IDENTIFICATION OF VEHICLE COMPONENTS

(France)

DYANE

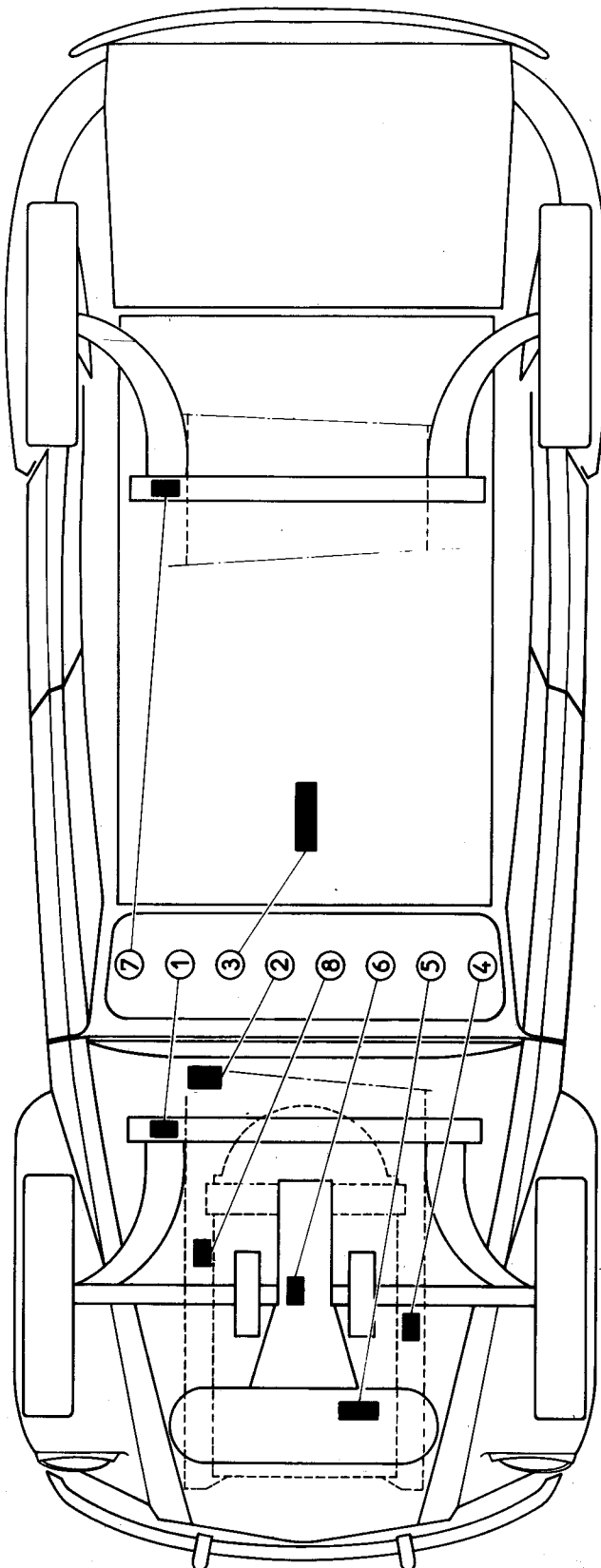
A 00-14

S. A. CITROEN	
TYPE	SERIE
PTC	PTR

FRONT SUBFRAME
IDENTIFICATION LABEL
①

CHASSIS No. PLATE
②

REPEAT CHASSIS No.
③



⑧

⑦

⑥

⑤

④

POCKET-FOLDER
IDENTIFICATION LABEL

REAR SUBFRAME
IDENTIFICATION LABEL

GEARBOX
IDENTIFICATION LABEL

S. A. CITROEN TYPE

ENGINE No. PLATE

PLATFORM No.
PLATE

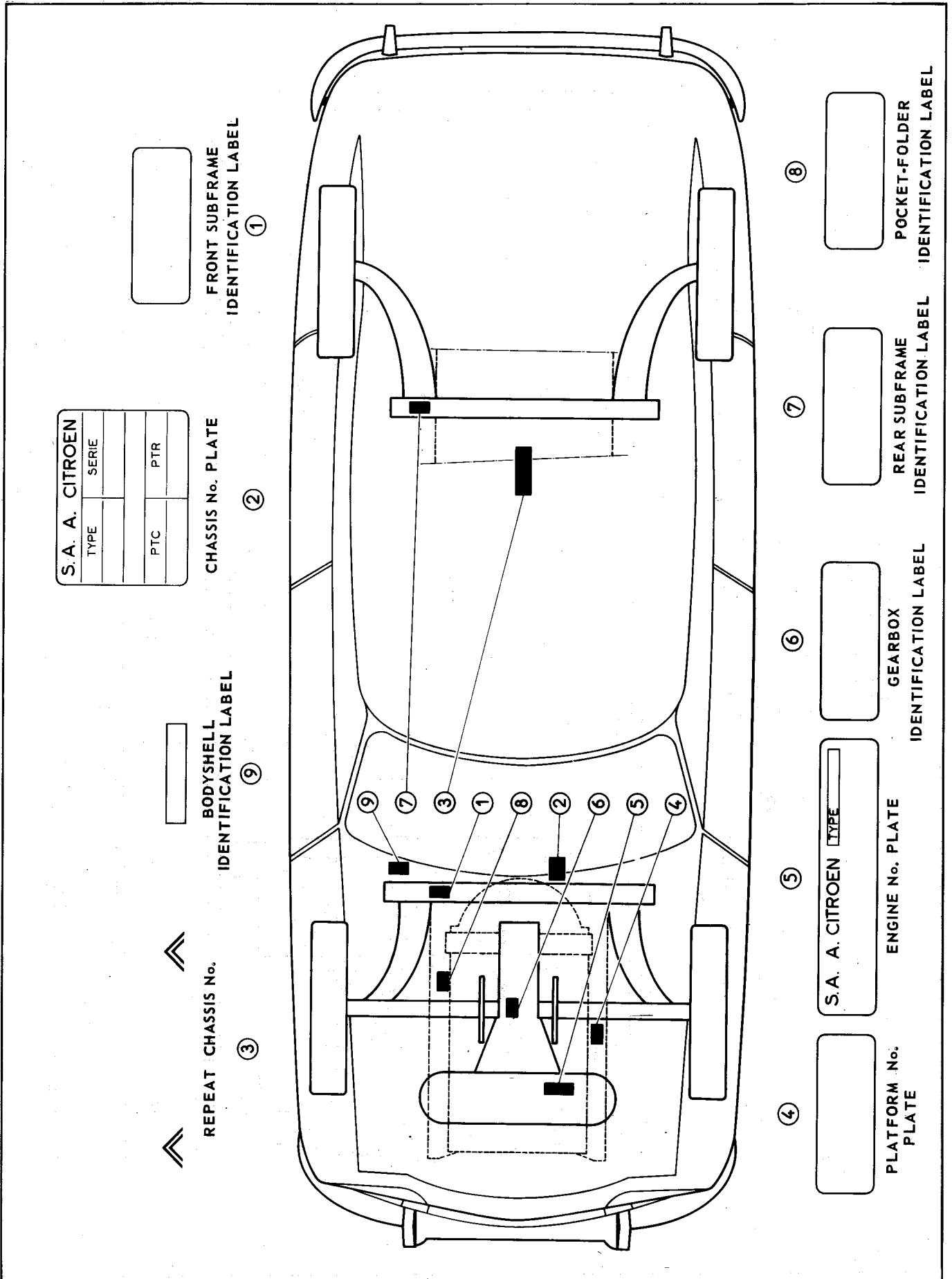
IDENTIFICATION OF VEHICLE COMPONENTS

(France)

AMI 8

A.00-17

Manual 810-1



S.A. CITROEN	
TYPE	SERIE
PTC	PTR

FRONT SUBFRAME IDENTIFICATION LABEL ①

BODYSHELL IDENTIFICATION LABEL ⑨

REPEAT CHASSIS No. ③

CHASSIS No. PLATE ②

POCKET-FOLDER IDENTIFICATION LABEL ⑧

REAR SUBFRAME IDENTIFICATION LABEL ⑦

GEARBOX IDENTIFICATION LABEL ⑥

ENGINE No. PLATE ⑤

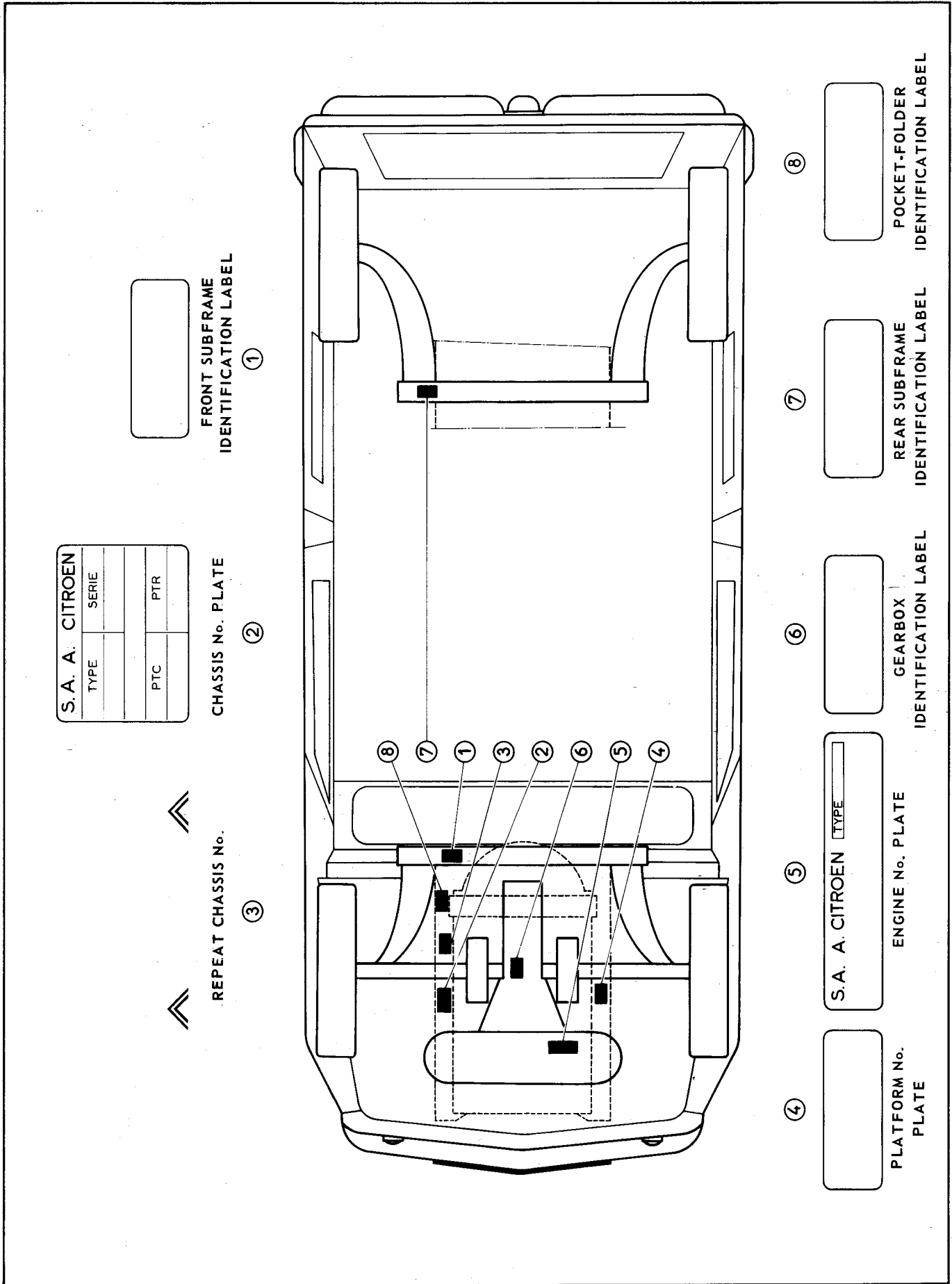
PLATFORM No. PLATE ④

IDENTIFICATION OF VEHICLE COMPONENTS

(France)

MEHARI

A 00-18'



S.A. CITROEN	
TYPE	SERIE
PTC	PTR

FRONT SUBFRAME IDENTIFICATION LABEL

CHASSIS No. PLATE

REPEAT CHASSIS No.

POCKET-FOLDER IDENTIFICATION LABEL

REAR SUBFRAME IDENTIFICATION LABEL

GEARBOX IDENTIFICATION LABEL

ENGINE No. PLATE

PLATFORM No. PLATE

TYPE

SERIE

PTC

PTR

S.A. CITROEN

TYPE

PLATFORM No. PLATE

ENGINE No. PLATE

GEARBOX IDENTIFICATION LABEL

REAR SUBFRAME IDENTIFICATION LABEL

POCKET-FOLDER IDENTIFICATION LABEL

IDENTIFICATION OF VEHICLE COMPONENTS

(France)

VAN

A. 00-15

Manual 816-1

S. A. CITROEN	
TYPE	SERIE
PTC	PTR

CHASSIS No. PLATE



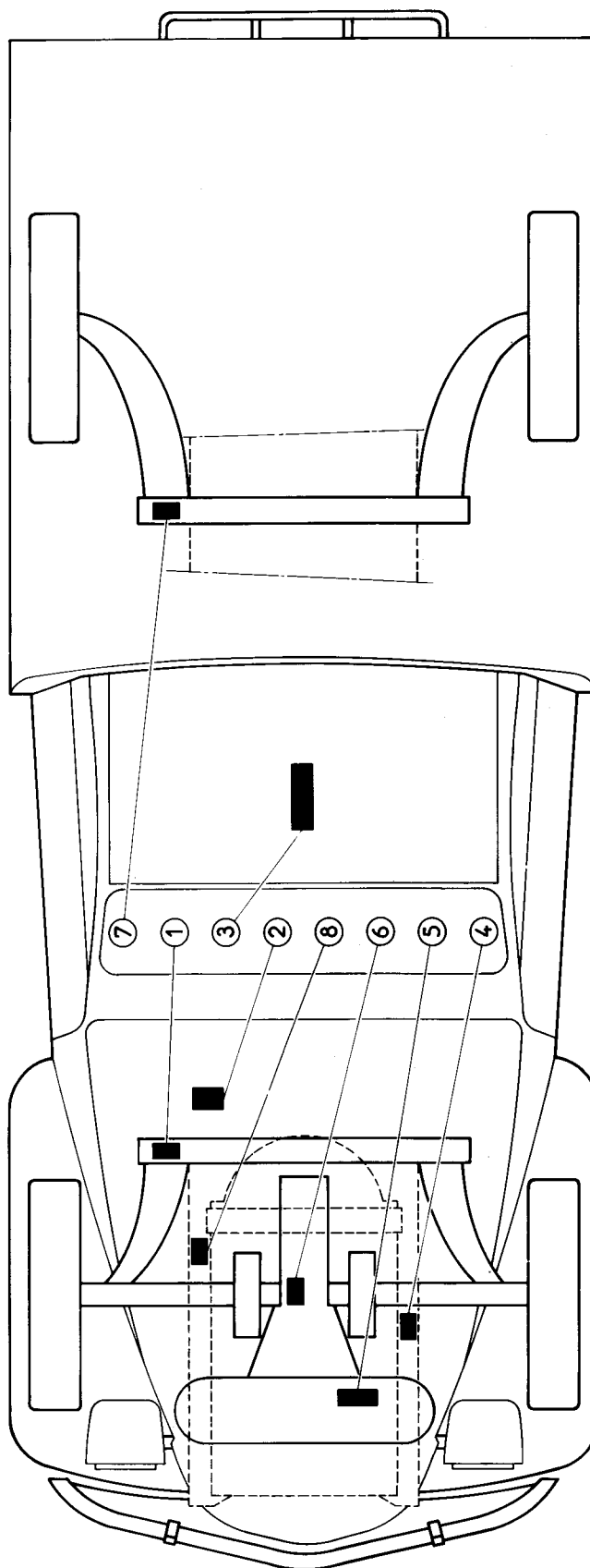
REPEAT CHASSIS No.

FRONT SUBFRAME IDENTIFICATION LABEL

①

②

③



⑧

POCKET-FOLDER IDENTIFICATION LABEL

⑦

REAR SUBFRAME IDENTIFICATION LABEL

⑥

GEARBOX IDENTIFICATION LABEL

⑤

ENGINE No. PLATE

④

PLATFORM No. PLATE

PROTECTION OF ELECTRICAL COMPONENTS

PRECAUTIONS TO BE TAKEN WHEN WORKING ON THE VEHICLE

It is absolutely necessary to avoid errors which may cause deterioration to certain electrical components or provoke a short circuit (risk of fire or accident).

1. Battery :

- a) First, disconnect the negative lead from the battery, then disconnect the positive one.
- b) Carefully connect both leads to the battery terminals ; *the negative lead should be connected last.*
- c) Before connecting the negative lead, make sure that no current is flowing. This can be ensured by briefly touching the negative terminal with the lead end : there should be no sparks. Otherwise there is a short circuit in the electrical system which must be corrected.
- d) The battery must be connected correctly : the negative post should be connected to earth.
- e) Before operating the starter, make sure that the two leads are properly tightened to their respective post.

2. Dyanmo - Alternator - Regulator :

- a) Never rotate the alternator unless it is connected to the battery.
- b) Before connecting the alternator, make sure that the battery is properly connected (negative terminal to earth).
- c) Do not check the operation of the alternator by short circuiting the positive and earth terminals or the « EXC » and earth terminals.
- d) Do not interchange the leads connected to the regulator.
- e) Do not try to energize an alternator : this is never necessary and could damage the alternator and regulator.
- f) Do not connect a radio suppressor capacitor to the « EXC » terminal of the dynamo, alternator or regulator.
- g) Do not connect the battery terminals to a charger and never carry out arc-welding (or spot-welding) on the vehicle chassis, without first disconnecting the two cables, positive and negative, from the battery and isolating the positive cable from the chassis.

3. Ignition coil :

Do not connect a radio suppressor capacitor to the « RUP » terminal of the coil.
Fit the capacitor recommended by the factory to the « + » or « BAT » terminal of the coil.

4. Q.I. headlamp :

- a) Never replace a Q.I. bulb with the headlamps on. After use of the headlamps, it is safer to let them cool off five minutes before any manipulation.
- b) Never touch a Q.I. bulb with the hands. Any fingerprints on the bulb must be cleaned off with soapy water and the bulb dried with a lint-free cloth.

I. PRECAUTIONS.**A. Vehicles equipped with brake drums on all four wheels :****USE SEA J 1703 TYPE BRAKE FLUID**

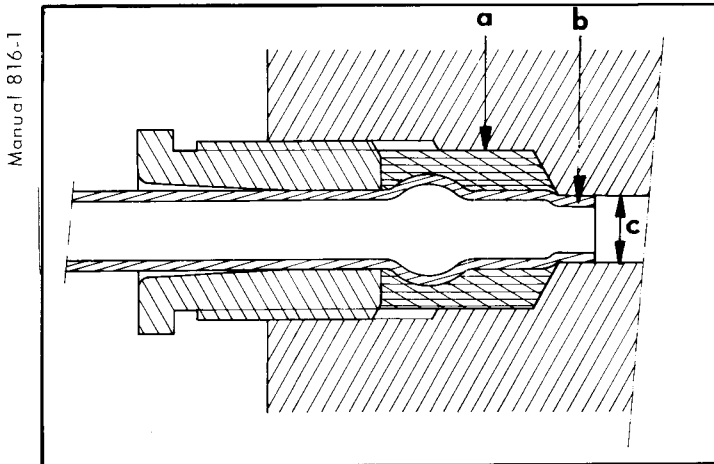
Only use seals, linings and flexible tubings corresponding to the special synthetic hydraulic brake fluid.
Clean parts with alcohol or hydraulic fluid of the same quality as that used in the brake circuit.
Use only alcohol for cleaning the hydraulic circuit.

B. Vehicles equipped with disc brakes at the front :**USE MINERAL HYDRAULIC FLUID (LHM) ON VEHICLES FITTED WITH DISC BRAKES AT THE FRONT.**

Only use seals, linings and flexible tubings corresponding to the special synthetic hydraulic brake fluid (LHM). They are marked with green paint.
Clean parts with petrol or lead free petrol and dry with compressed air blown about the parts.

To connect a union, proceed as follows :

TT. 00-5



- Install the lining « a », which has been smeared with hydraulic brake fluid, on the tube. The lining should not reach all the way to end « b » of the tube.
- Centre the tube in the bore by offering it centrally in the hole and avoiding any stress. (Make sure that the end « b » of the tube penetrates into the small bore « c »).
- Screw the union nut in by hand
- Moderately tighten the nut. Excessive force might cause a leak by deforming the tube.

NOTE : Tightening torques :

- 3.5 mm tube dia. (.138 in) } 0.8 to 0.9 da Nm
- 4.5 mm tube dia. (.177 in) } (5.8 to 6.5 ft.lbs)

As pressure rises, the different seals are designed to be more leak proof. Thus, sealing is not improved by overtightening the unions.

2. CHECKS TO BE COMPLETED AFTER WORKING ON HYDRAULIC SYSTEM

After working on the components or the hydraulic circuit, check the unions for leaks.

PRINCIPAL RECOMMENDED PRODUCTS

I. ADHESIVES.

BASE	MATERIAL TO BE ADHERED	METHOD OF APPLICATION	TYPES OF ADHESIVES (Examples)	RECOMMENDED REMOVERS
Painted sheet metal	Simili Rubber Finishing strip	Smearing of base Smearing of material Drying Fitting Polishing	Neoprene REST-AGRAF Ref. Choisyrene TEROSON Ref. Terokal 2444	Petrol F Trichlorethane 111
	Vinyl	Smearing of base Smearing of material Drying Fitting Polishing	Synthetic rubber glue MINNESOTA Ref. EC 1236 Acrylo-nitrite MIPLACOL Ref. HS 3688	Trichlorethane 111
Painted sheet metal Cardboard Felt	Cloth Felt	Smearing of base Drying Fitting Polishing	S.E.R. ONFROY Ref. 306 Natural rubber glue BOSTIK Ref. 1313	Petrol F
Glass	Aluminium (lower window trimming)	Preparation of adhesives Preparation of surfaces Smearing of both faces Pressing the material Adhesion period	Expoxy TEROSON Ref. Terokal COLFIX Ref. Maticol	Lukewarm water before polymerization
	Rear-view mirror base	Preparation of surfaces Smearing of base Fitting Pressing the material	Special COMET Ref. Glass/metal kit	Super-clean
	Rilsan (runners)	Smearing of base Smearing of material Drying Fitting Pressing the material	Neoprene COLFIX Ref. 550 MINNESOTA Ref. EC.1099	Petrol F Trichlorethane 111
	Klegecel	Smearing of base Smearing of material Drying (3 to 8 minutes) Fitting Pressing the material	Neoprene BOSTIK Ref. 1400 MINNESOTA Ref. EC . 1099	Trichlorethane 111 S remover (P.C.A.S.)
Polyester	Polyurethane foam	Smearing of base Drying Fitting Polishing	Neoprene COLFIX Ref. 180 MINNESOTA Ref. Spray Pavillon 77.	Petrol F Trichlorethane

II. CLEANING PRODUCTS

USE	PRODUCTS	CHARACTERISTICS	SUPPLIERS
Rinsing out L.H.M. hydraulic pipings	TOTAL Hydrorincer	For complete rinsing, leave product in the circuit for 1000 km (620 mi)	TOTAL C.F.R.
Cold degreasing of mechanical assemblies	MAGNET 6	Insoluble in water, dries rapidly, has a high dielectrical potential	MAGNUS
	OIL & GREASE REMOVER	Allow product to act (pure or diluted with a solvent); rinse fully with water	MULLER & Co.
	PROTOLAN 3 D	Must be used pure and then rinsed with water	Ets. N. BREGER
	RAVITOL X		Ets. RAVICOLOR
Cleaning unions and joint faces	MAGSTRIP	Gelatinous liquid for use in cleaning the liquid and non-metallic unions	MAGNUS
	SUPER-CLEAN	Dry cleaner to be used before LOCTITE products	COMET Dept D.A.V.A.
Cleaning of carburettors	Carburettor cleaner	To be used pure	SOFRALUS-BARDAHL
	P.D.R.	Two types : - aerosol	AGIR
	Carbuclin	- liquid	REDEX - FRANCE

III. SEALING GASKETS.

USE	PRODUCTS	CHARACTERISTICS	SUPPLIERS
Sealing of joint faces, screws, studs and nuts	PROTO-JOINT	Resists mechanical strain and petroleum products	JEAN - BRASSART
	CURTYLON	Clean with alcohol	CEFILAC Dept. Joint Curty
	LOWAC	Hydrocarbon resistant	S.E.B.I.S.
	FRENETANCH	Sealing and locking threaded assemblies which must remain mobile	COMET Dept D.A.V.A. NOTE : These five products, plus SCELBLE (for securing ball bearings, rings ...) and SUPER-CLEAN (cleaning product) are sold in a kit-box.
	FRENBLOC	Sealing and locking studs, screws and nuts with maximum effectiveness	
	FORMETANCH	Sealing of unions and joint faces	
	FORMAJOINT	Sealing of joint faces in place of traditional joint gaskets	
Sealing of door trimmings and windscreen	SILICOMET (black)		

SEALING GASKETS (Contd)

USE	PRODUCTS	CHARACTERISTICS	SUPPLIERS
Sealing casting porosities	DEVCON F	Aluminium base	COMET Dept. D.A.V.A.
	METALIT		DISIMPEX
	METROLUX A	Light metal base	METOLUX
	SILASTIC 732 R.T.V.	Remains pliable after drying	Dow CORNING S.A.R.L.
Sealing of the inlet chamber heater tubes	Mastic adhesive Ref. 1500 heat resistant (COLLAFEU)		Ets. BARTHELEMY

IV. ANTI-GRIP PRODUCTS

USE	PRODUCTS	CHARACTERISTICS	SUPPLIERS
Corroded or oxidized parts and seized assemblies	ANTI-GRIP	Aerosol spray	MOLYDAL
	M.O. ANTI-GRIP	Aerosol spray or 5 litre container	SOFRALUS-BARDAHL

V. GREASE AND LUBRICANTS.

USE	PRODUCTS	CHARACTERISTICS	SUPPLIERS
Greasing the suspension arm flexible bushes	S.I. 33 RHONE-POULENC	Silicone grease	LAMBERT - RIVIERE
	GREASE 33 (MEDIUM)		DOW CORNING S.A.R.L.
Greasing the drive-shafts	GREASE 1495	Multifunctional highly adhesive	MOLYDAL
	MOLIKOTE LONGTERM 2	Extreme pressure grease, good adherence and water resistant	DOW CORNING S.A.R.L.
	TOTAL MULTIS MS	Multipurpose grease	TOTAL C.F.R.
Lubricant for rubber and plastic	REDEX-SILICONE	Aerosol	REDEX - FRANCE
Parts operating under difficult conditions	HI-LUB-HTC	Aerosol lubricant, fresh and salt water resistant, withstanding high pressure and temperature.	COMET Dept. D.A.V.A.
Sparking plug thread lubricant	NO-BIND	Anti-bind lubricant, high temperature resistant	CEFILAC Dept. Joint Curty

LIST OF SUPPLIERS

SUPPLIERS	ADDRESS	TELEPHONE
AGIR	69360 SEREZIN du RHONE	(78) 49.80.27
BARTHELEMY	61, rue Defrance - 94300 VINCENNES	328.42.87
BOSTIK S.A.	5, route de St Leu - 95360 MONTMAGNY	964.64.12
BRASSART J	44, rue de la Boétie - 75008 PARIS	359.54.82
BREGER N	Le Pasty St Aubin de Luigne - 49190 ROCHEFORT/LOIRE	(41) 41.73.03
CEFILAC (Dept Joint Curty)	25, rue Aristide Briand - 69800 SAINT PRIEST	(78) 20.08.94
	ou 7 à 11, rue de la Py - 75020 PARIS	797.01.49
C.F.R. (TOTAL)	11, rue du Docteur Lancereaux - 75381 PARIS CEDEX 08	267.15.00
COMET (Dept. D.A.V.A.)	10, rue Eugène Cazeau - 60300 Z.I. de SENLIS	453.13.20
COLFIX (SCHULTZ)	43, route de la Mertzau - 68100 MULHOUSE	(89) 42.10.84
DISIMPEX	1, rue Goethe - 75016 PARIS	727.89.59
DOW-CORNING S.A.R.L.	140, avenue Paul Doumer - 92500 RUEIL-MALMAISON	977.00.40
LAMBERT-RIVIERE	16, rue de Miromesnil - 75008 PARIS	265.16.50
MAGNUS	12, rue du Moulin de Cage - 92390 VILLENEUVE-LA-GARENNE	798.13.30
METROLUX S.A. FRANCE (Société Henri Lecoq)	167, rue de Fontenay - 94300 VINCENNES	808.55.11
MINNESOTA DE FRANCE	135, boulevard Serurier - 75019 PARIS	202.80.80
MIPLACOL	52, avenue de la Concorde - 93270 SEVRAN	939.85.96
MOLYDAL	60, rue des Orteaux - 75020 PARIS	797.28.30
MULLER & Co.	28, avenue de l'Opéra - 75002 PARIS	742.58.36
ONFROY	35, rue L. Sampaix - 75010 PARIS	206.84.70
P.C.A.S.	23, rue Bossuet - 91160 LONGJUMEAU	909.77.85
RAVICOLOR	32, rue de Mulhouse - 68304 St LOUIS	(89) 67.13.37
REDEX - FRANCE	86, avenue de la République - 93300 AUBERVILLIERS	352.75.94
REST-AGRAF	6, place du Général Leclerc - 92300 LEVALLOIS	757.67.34
S.E.B.I.S.	3 à 5, rue de Metz - 75010 PARIS	770.13.08
SOFRALUS-BARDAHL	27, bld du Général Leclerc - BP 29 - 59051 ROUBAIX	(20) 70.02.12
TEROSON	175 à 179, avenue J. Jaurès - 75019 PARIS	202.50.72