



14

15

LISTE DES OPERATIONS

1

Numéro
de l'opération

DÉSIGNATION

14

MA 800-000

Remise en état de la coque

I Eléments vendus par le Département des Pièces de Rechange

II Pièces en tôle électrozinguée ou galvanisée

III Contrôle d'un véhicule accidenté

MA 800-00

Préparation d'une coque

MA 800-01

Equipement et contrôle d'une caisse nue sur banc CELETTE

MA 800-02

Echange des longerons, mécanique en place (CELETTE)

MA 800-10

Equipement et contrôle d'une caisse nue sur banc CAROLINER

MA 800-11

Equipement et contrôle d'une caisse nue break sur banc CAROLINER

MA 800-12

Contrôle, mécanique en place sur banc CAROLINER

MA 800-13

Contrôle, Mécanique en place, break sur banc CAROLINER

MA 801-1

Remplacement d'un unit avant complet

MA 801-2

Remplacement de l'habillage fixe complet

MA 802-1

Remplacement d'une aile avant

MA 802-2

Remplacement d'un passage de roue avant complet

MA 824-1

Remplacement d'une aile arrière

MA 824-2

Remplacement partiel d'une aile arrière

15

MA 841-2

Dépose pose d'une porte latérale

MA 841-3

Déshabillage et habillage complet d'une porte latérale

MA 851-1

Remplacement d'un pare-chocs avant

MA 851-2

Remplacement d'un capot

MA 851-3

Ouverture d'un capot lorsque la commande ne fonctionne pas

MA 853-1

Remplacement d'un pare-chocs arrière

MA 853-2

Collage des glaces de custode

MA 856-1

Remplacement d'une planche de bord



14

COQUE

MA
800.000

1

REMISE EN ETAT DE LA COQUE



I. ELEMENTS VENDUS PAR LE DEPARTEMENT DES PIECES DE RECHANGE.

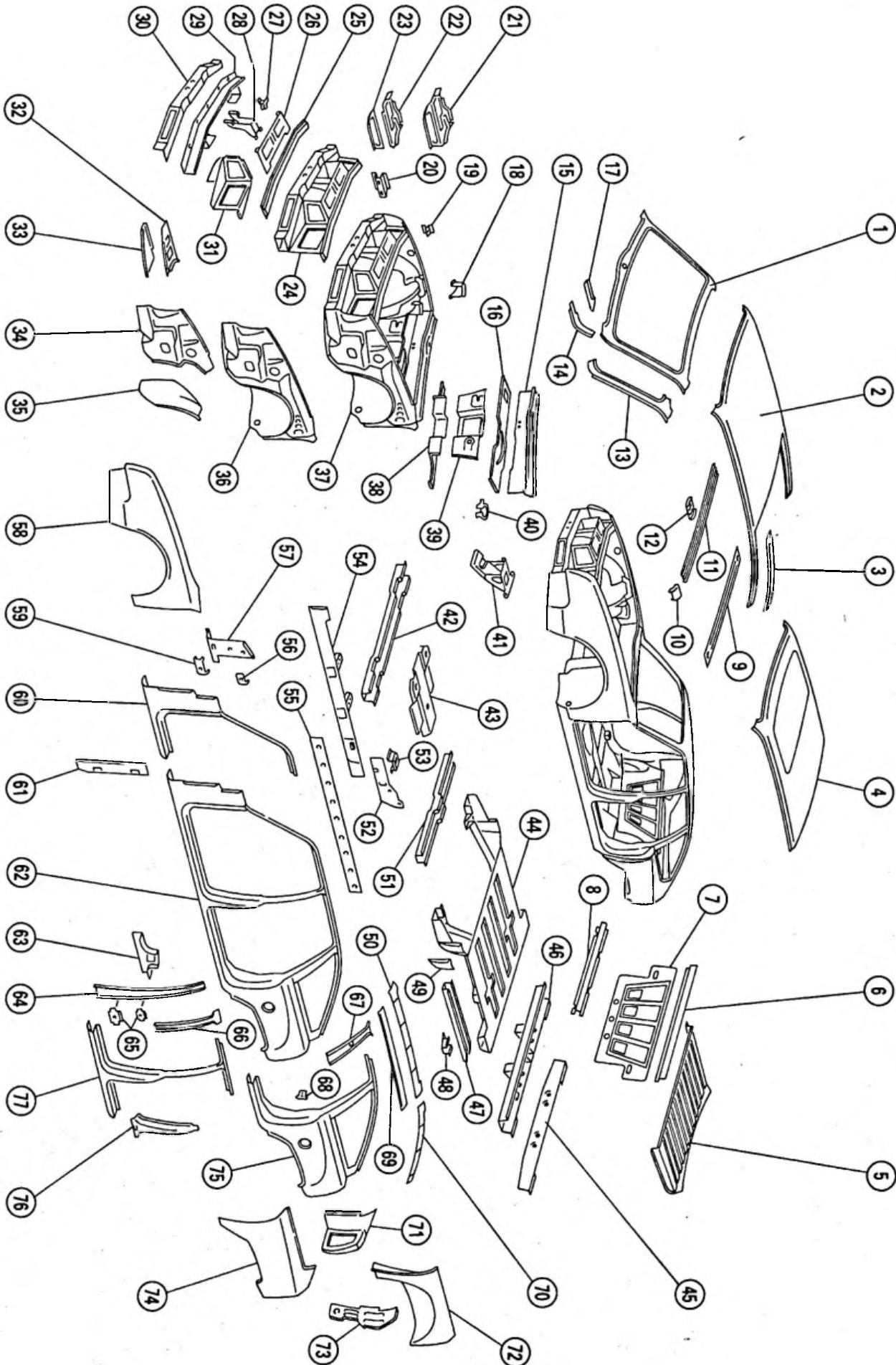
REPERE PIECE	DESIGNATION	N° D'OPERATION
1	Baie de pare-brise	MA 812.1
2	Pavillon	MA 825.1
3	Montant de lunette	MA 825.1
4	Pavillon toit ouvrant	MA 825.1
5	Tablette arrière	MA 831.6
6	Entretoise supérieure de dossier	MA 831.5
7	Tôle sous dossier	MA 831.5
8	Entretoise inférieure de dossier	MA 831.5
9	Traverse arrière de toit ouvrant	MA 825.1
10	Gousset de traverse	MA 825.1
11	Traverse de pavillon	MA 825.1
12	Support de plafonnier	MA 825.1
13	Montant de pare-brise	MA 812.2
14	Renfort de baie de pare-brise	MA 812.3
15	Tablier avec traverse de baie de pare-brise	MA 812.2
16	Tablette d'auvent	MA 812.2
17	Gousset d'angle	MA 812.3
18	Support de nourrice	MA 802.3
19	Support de béquille	MA 802.3
20	Support spécifique pour filtre à air (AM82)	MA 802.3
21	Ensemble de fermeture	MA 802.3
22	Tôle de fermeture supérieure	MA 802.3
23	Tôle de fermeture latérale	MA 802.3
24	Habillage fixe	MA 801.2
25	Traverse d'habillage supérieure	MA 801.2
26	Tôle anti-recyclage supérieure	MA 801.2
27	Patte de fixation calandre	MA 801.2
28	Support de serrure de capot	MA 801.2
29	Doublure de traverse inférieure	MA 801.2
30	Traverse d'habillage inférieure	MA 801.3
31	Tôle anti-recyclage latérale	MA 801.2
32	Tôle de fermeture supérieure	MA 801.1
33	Tôle inférieure	MA 801.1
34	Passage de roue avant	MA 802.4
35	Passage de roue avant, partie avant	MA 802.4
36	Passage de roue avant (ensemble)	MA 802.3
37	Unit complète	MA 801.1
38	Traverse de caisson avant	MA 801.1
39	Tablier inférieur	MA 801.1
40	Support de réservoir	MA 801.1
41	Support de direction	MA 801.1
42	Traverse de caisson central	
43	Renfort de caisson central	
44	Ensemble de plancher arrière	MA 831.1



14

MA
800-000

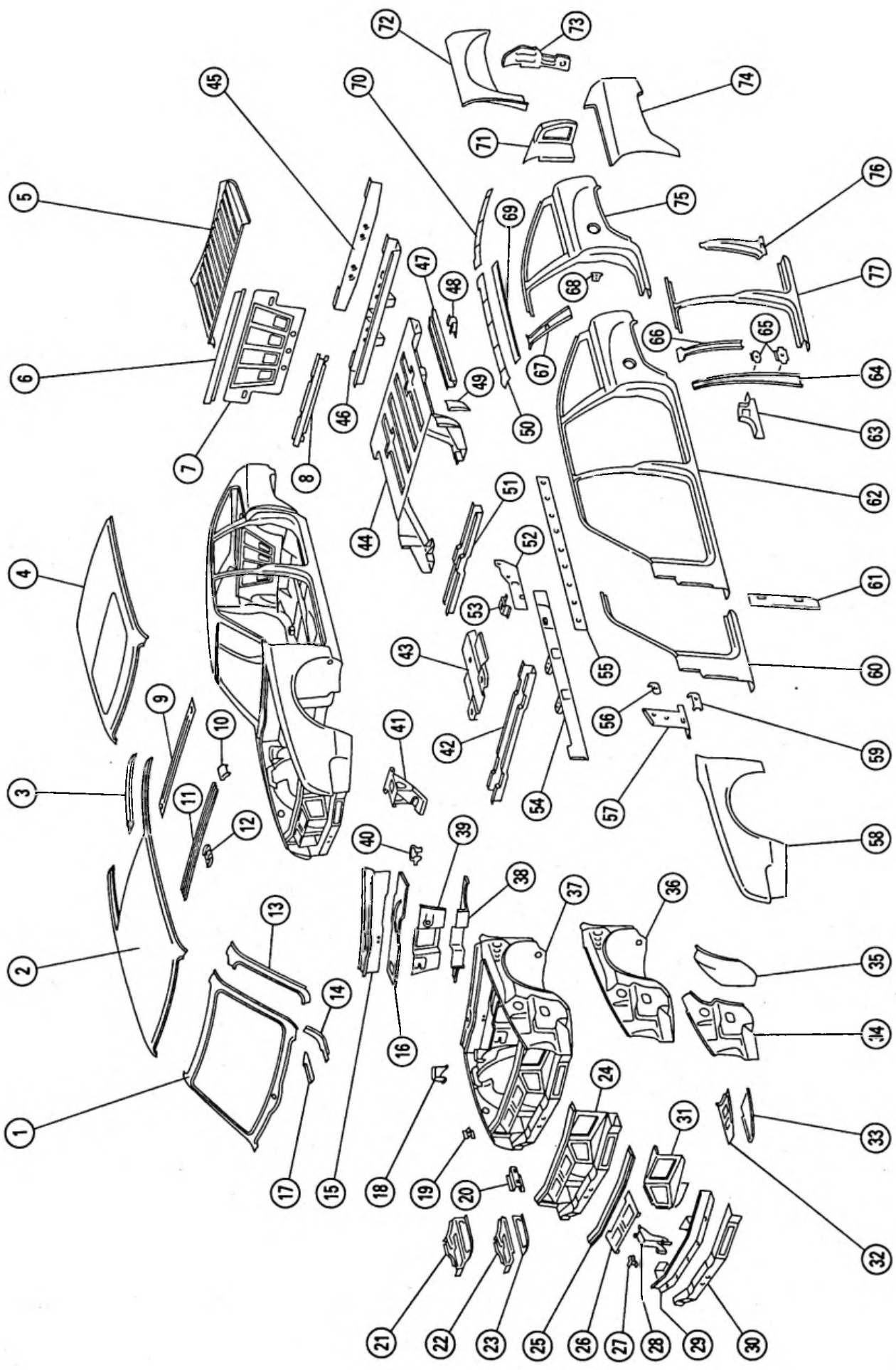
3



L.80.74

*

8531



**14****REMISE EN ETAT DE LA COQUE****MA
800.000****5****I. ELEMENTS VENDUS PAR LE DEPARTEMENT DES PIECES DE RECHANGE (Suite).**

REPERE PIECE	DESIGNATION	N° D'OPERATION
45	Fermeture de traverse arrière	MA 831.3
46	Traverse arrière de plancher	MA 831.3
47	Longeronnet de plancher	MA 831.4
48	Pontet de butoir latéral	MA 831.4
49	Tendeur de passage de roue	MA 824.4
50	Doublure de brancard de pavillon	MA 821.1
51	Traverse sous caisson	MA 831.1
52	Tôle de fermeture arrière	MA 824.4
53	Support de banquette arrière	MA 824.4
54	Tôle de fermeture avant	MA 821.1
55	Renfort inférieur	MA 821.5
56	Gousset supérieur de pied avant	MA 821.2
57	Renfort de pied avant	MA 821.2
58	Aile avant	MA 802.1
59	Gousset inférieur de pied avant	MA 821.2
60	Partie avant de panneau de côté	MA 821.2
61	Support de charnières de pied avant	MA 821.2
62	Panneau de côté	MA 821.1
63	Renfort de pied milieu	MA 821.3
64	Doublure de pied central	MA 821.3
65	Entretoise de pied milieu	MA 821.3
66	Renfort de pied central	MA 821.3
67	Doublure de pied arrière	MA 821.4
68	Renfort de gâche sur pied arrière	MA 821.4
69	Brancard de pavillon	MA 821.1
70	Doublure de montant de lunette arrière	MA 821.4
71	Gouttière de tôle de feux	MA 824.5
72	Passage de roue arrière	MA 824.4
73	Tôle de fermeture de l'aile arrière	MA 824.1
74	Aile arrière	MA 824.1
75	Partie arrière de panneau de côté	MA 821.4
76	Support de charnières de pied central	MA 821.3
77	Panneau de côté, partie centrale	MA 821.3



II. PIÈCES EN TOLE ELECTROZINGUEE

Les pièces ombrées représentées dans les vues ci-contre comportent un traitement d'électrozingage afin de prémunir la carrosserie de la corrosion.

Ce choix de pièces est fait en fonction de la vulnérabilité de certaines zones et est susceptible d'évolution.

Les pièces vendues par le Département des Pièces de Rechange comportent également ce même traitement mais il n'apparaît pas aux yeux du réparateur en raison de la couche de cataphorèse qui le recouvre.

REPARATION.

En réparation, il est nécessaire de détruire la couche de cataphorèse sur les deux faces des tôles dans les zones de soudage, ce qui par la même occasion détériore le revêtement au zinc.

Pour éviter que la réparation (en particulier les zones de soudage) soit le point de départ du processus de corrosion, il convient de prendre certaines précautions :

- Eviter de décaper par meulage les zones de soudage des pièces neuves (les disques abrasifs détruisent le revêtement au zinc) mais, utiliser plutôt le chalumeau pour chauffer légèrement et brosser à l'aide d'une brosse métallique.
- Limiter le meulage, après dégrafage sur caisse, aux seules zones où il y a surépaisseur de soudure.

PROTECTION AVANT SOUDAGE

Pour éviter que le processus de corrosion ne s'amorce, il faut appliquer une couche d'impression conductrice sur la face interne de toutes les tôles à souder (électrozinguées ou pas).

REMARQUE : Les impressions dites «conductrices» sont des peintures au zinc qui permettent le passage du courant électrique sans gêner le soudage. Toutefois, il est nécessaire d'augmenter légèrement l'intensité du courant.

Ces impressions soudables sont disponibles chez la plupart des fournisseurs de peinture (BERGER, CORONA) et de produits pour l'automobile.

Exemples de produits recommandés :

Primaire avant soudage SWP
Fournisseur : KENT INDUSTRIES
Avenue de la Mauldre
Z.I d'Epone-78680 EPONE
Tél. 30 95 40 60

Pâte à souder
Fournisseur : FRANCE ARC
47, avenue A. Briand
92120 MONTRouGE
Tél. 46 55 47 22

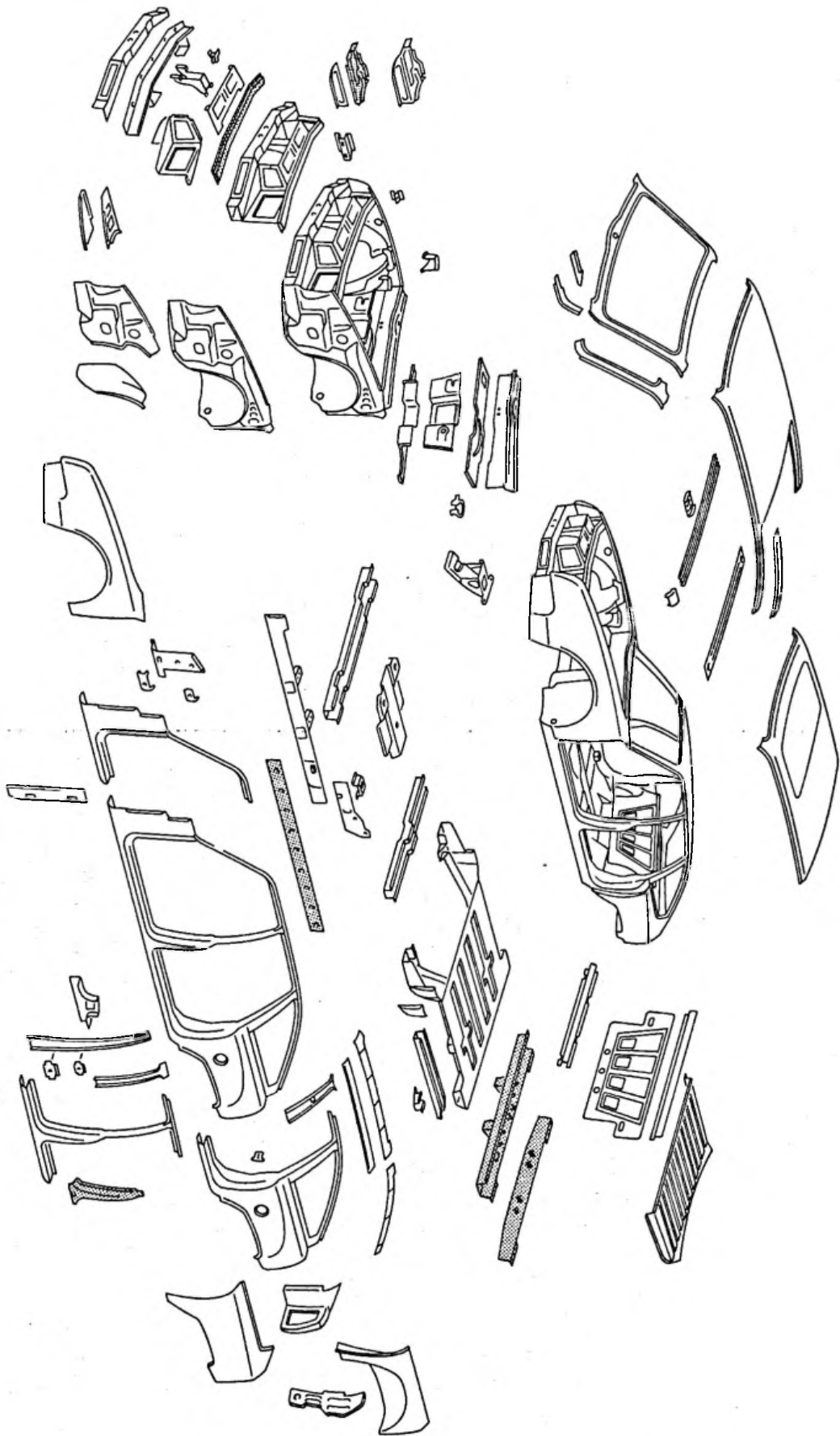
REMARQUE : Ce produit permet le soudage par point sans décapage préalable de la cataphorèse, en faisant un point dans un angle pour l'amorçage.



14

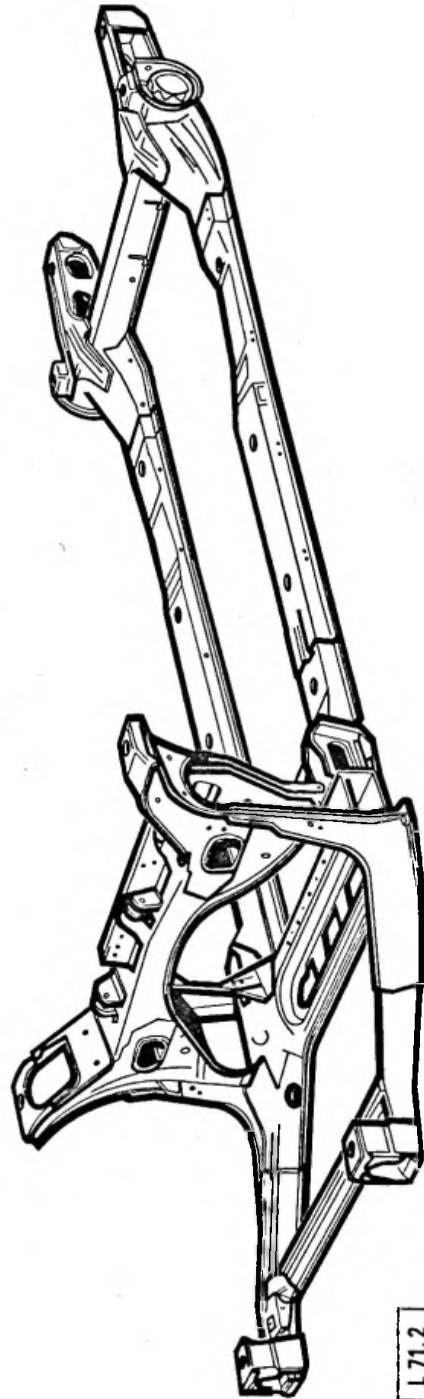
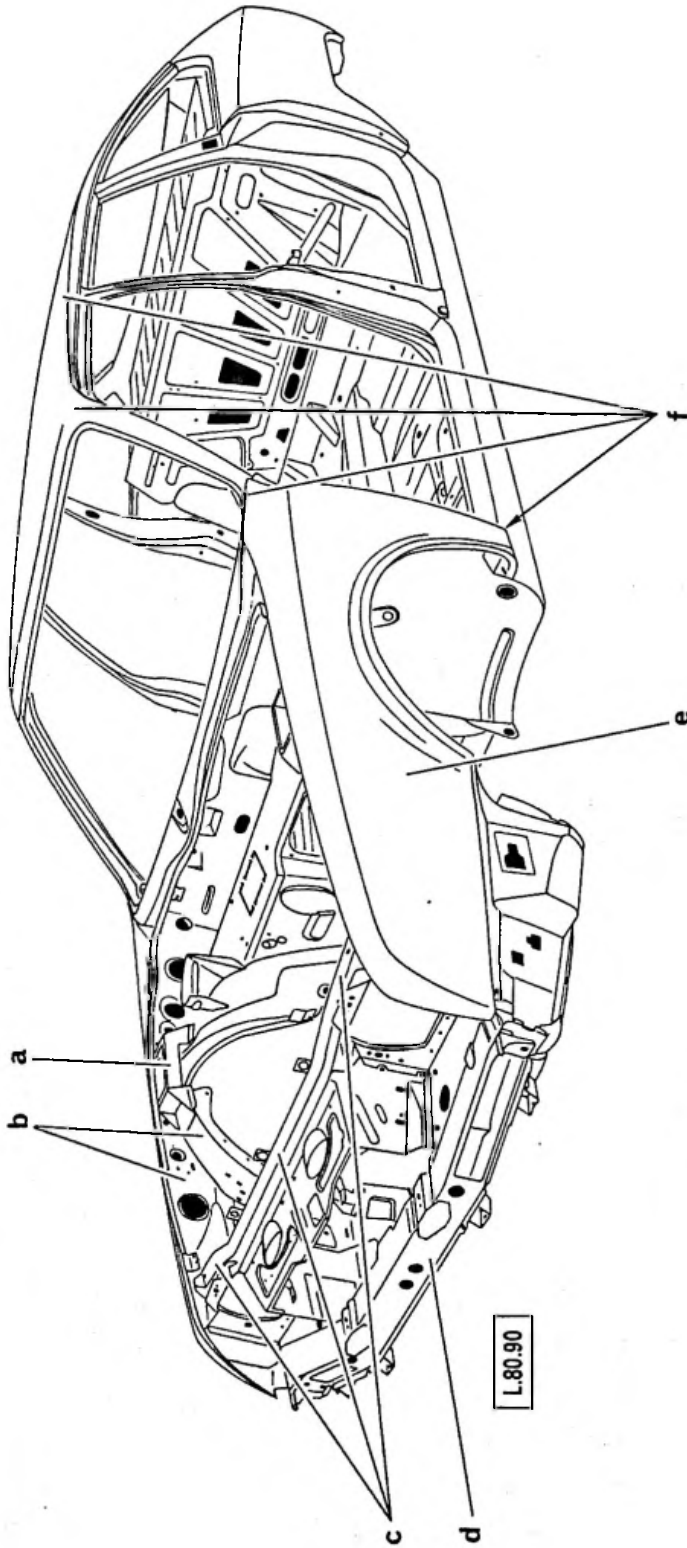
MA
800-000

7



L.80.80

*





14

III - CONTROLE D'UN VEHICULE ACCIDENTE

Pour contrôler un véhicule accidenté, il faut procéder dans l'ordre aux vérifications suivantes :

Contrôle visuel : Recherche des plis, déformations, criques.

Contrôle géométrie des essieux : Opération réalisable à l'aide d'appareils optiques sans dépose mécanique.

Contrôle dimensionnel du soubassement : Opération réalisable sur banc sans dépose mécanique.

I – CONTROLE VISUEL

Déformations sur :

Habillage fixe en (c) (*traverse supérieure*) et en (d) (*traverse inférieure*).

Ailes et passages de roue en (b) de la partie avant du passage de roue et gonflement de l'aile, en (e).

Panneaux de côté et pavillon en (f) (*panneau de côté partie supérieure*), baie de pare-brise (*partie inférieure*), pavillon (*au niveau du pied milieu et du montant de pare-brise*).

Passages de roue en (a) de la partie arrière du passage de roue au niveau de la fixation sur l'essieu.

CONCLUSION

Si le contrôle «à vue» permet de déceler NETTEMENT :

- des déformations en (d) uniquement

Remplacer la traverse inférieure

- des déformations en (b), (c) et (d) uniquement

Remplacer suivant dommages les pièces en cause ou l'habillage fixe complet + la partie avant du passage de roue intéressé.

- des déformations en (a), (e) et (f)

Il faut passer la caisse au banc de contrôle.

REMARQUE GENERALE : Les déformations se produisant simultanément sur les essieux (*ou les longerons*) et la caisse, **le contrôle de la géométrie des essieux s'impose toujours en cas de doute.**

II – CONTROLE DE LA GEOMETRIE DES ESSIEUX

Pour le contrôle des essieux avant et arrière se reporter au manuel de réparation **mécanique MA 850-1.**

Opération MA 410-0 pour conditions essieu avant.

Opération MA 420-0 pour conditions essieu arrière.

III – CONTROLE DU SOUBASSEMENT SUR BANC (sans dépose mécanique)

Se reporter aux opérations :

MA 800-2 et MA 800-3

(Equipement CELETTE)

MA 800-5

(Equipement CAROLINER)

MA 800-7

(Equipement DATALINER).

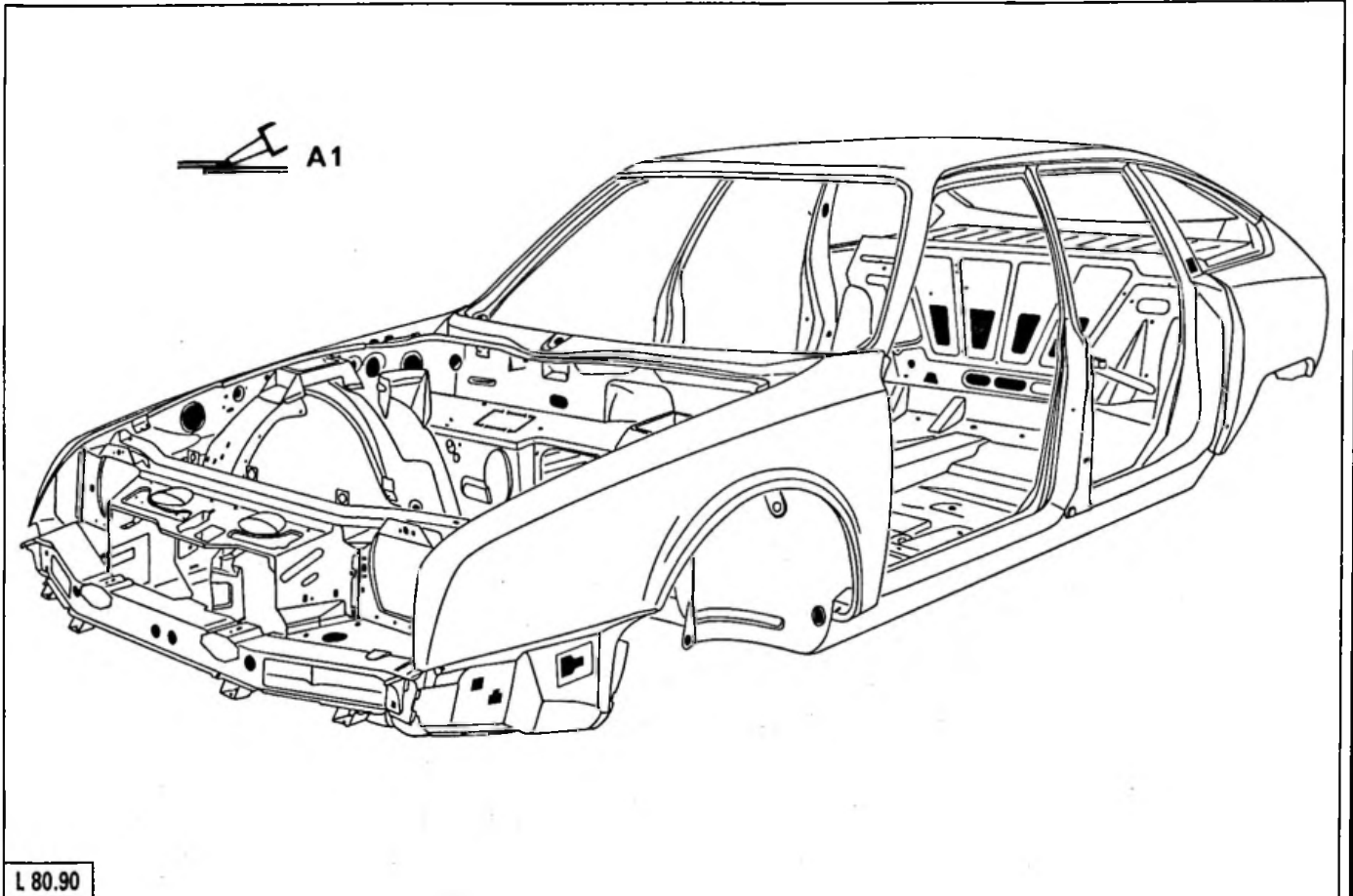


14

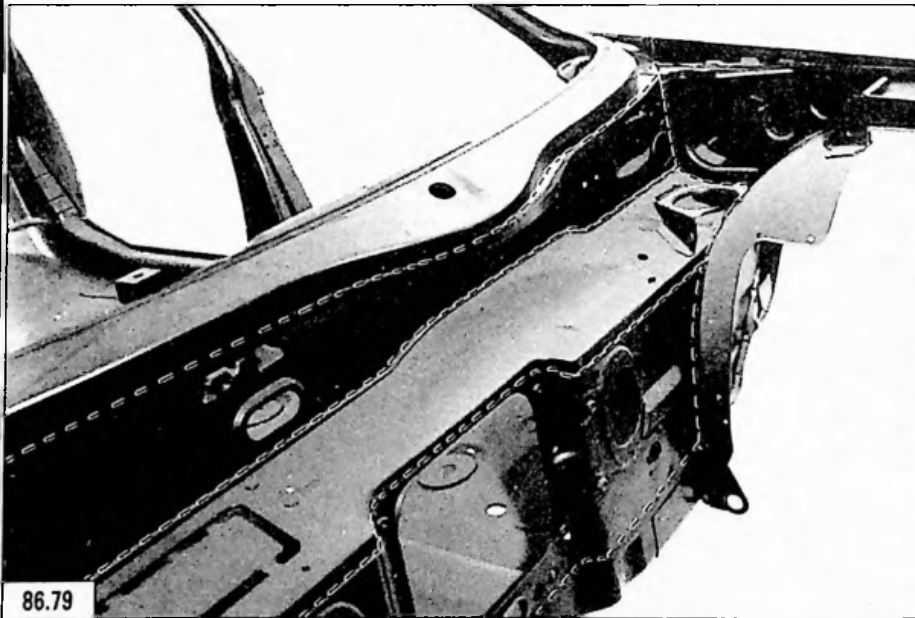
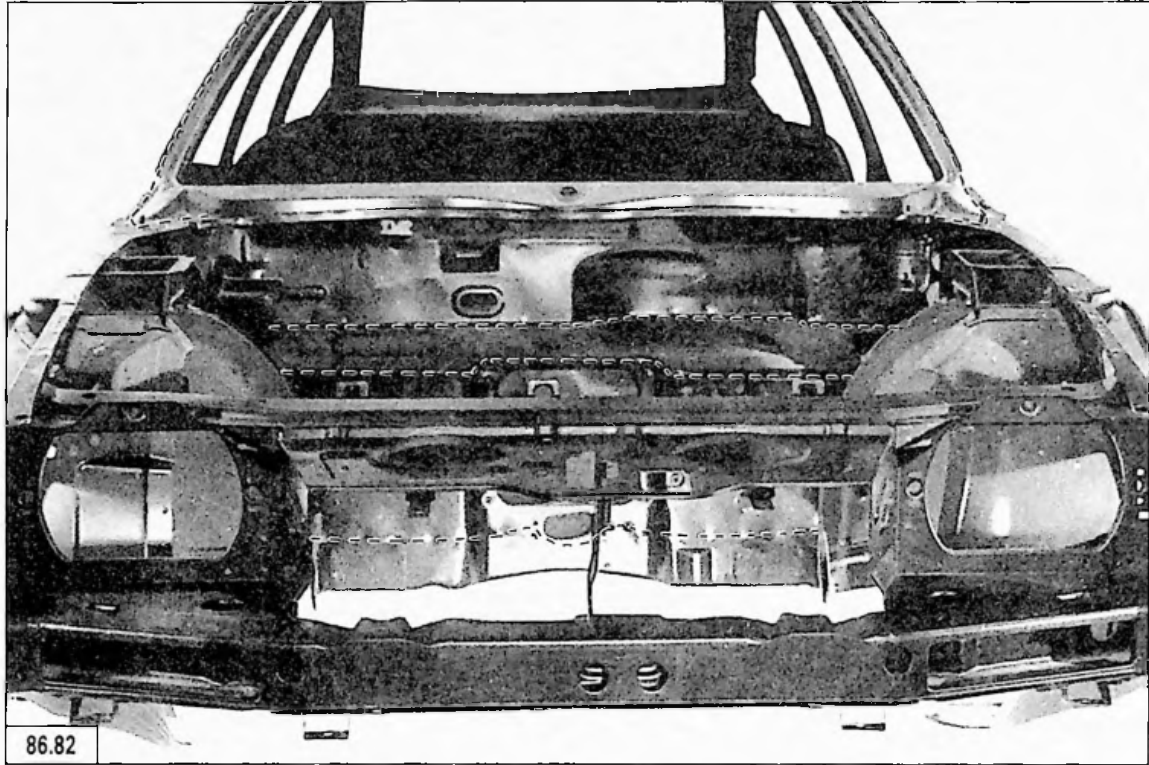
A1

MA
800-00

1



L 80.90



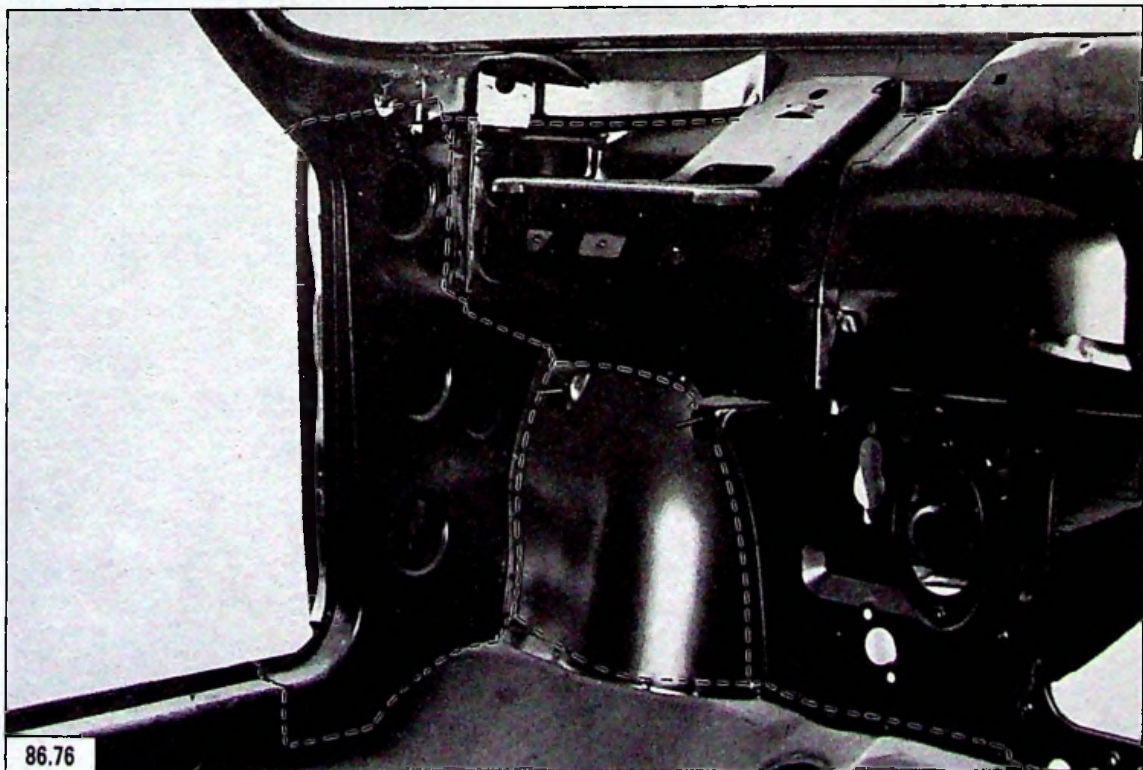
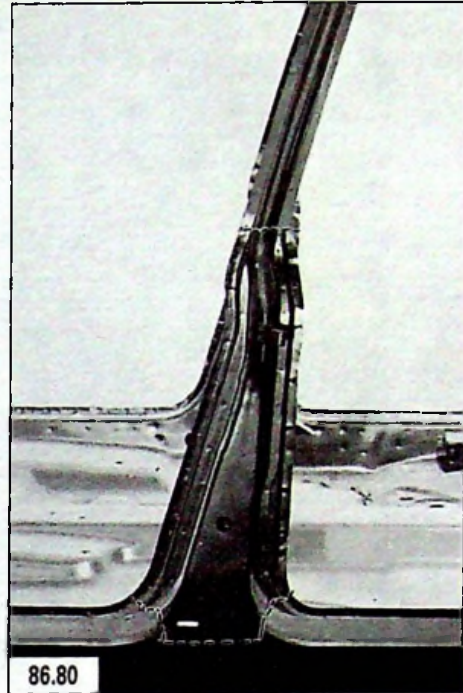
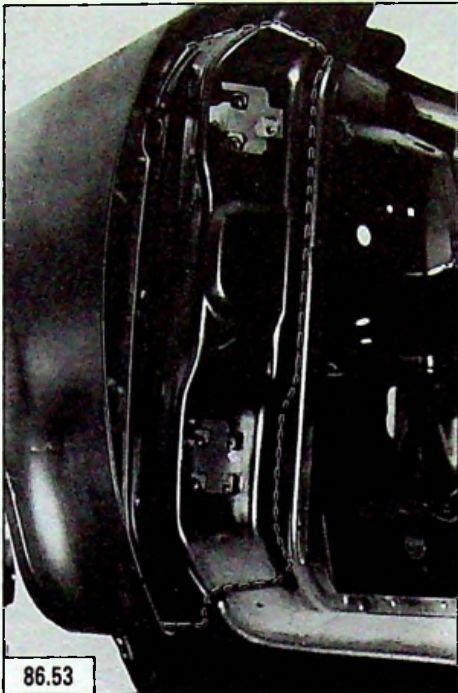


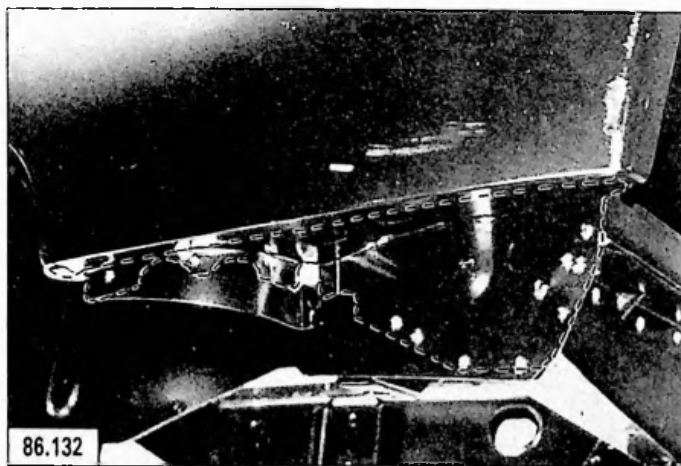
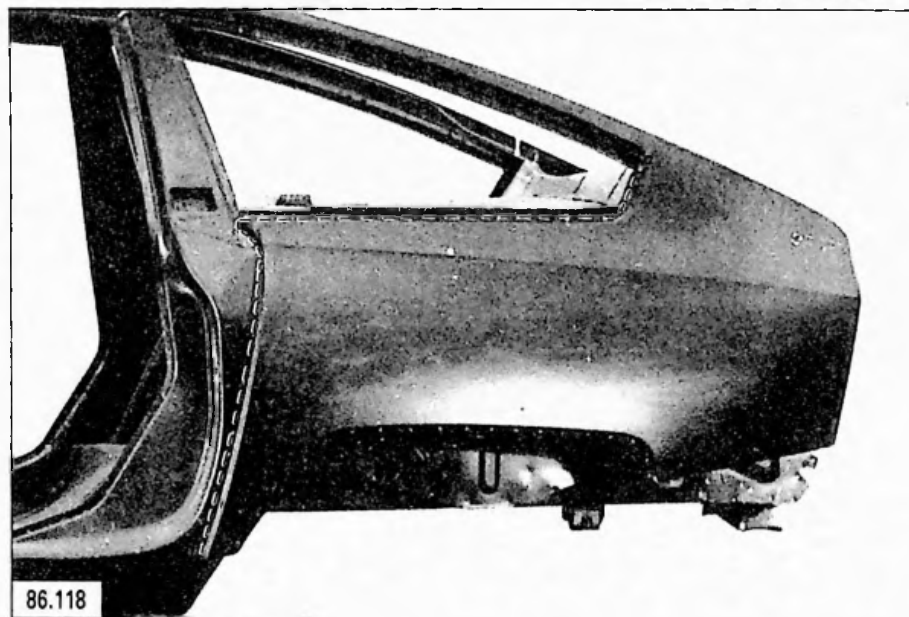
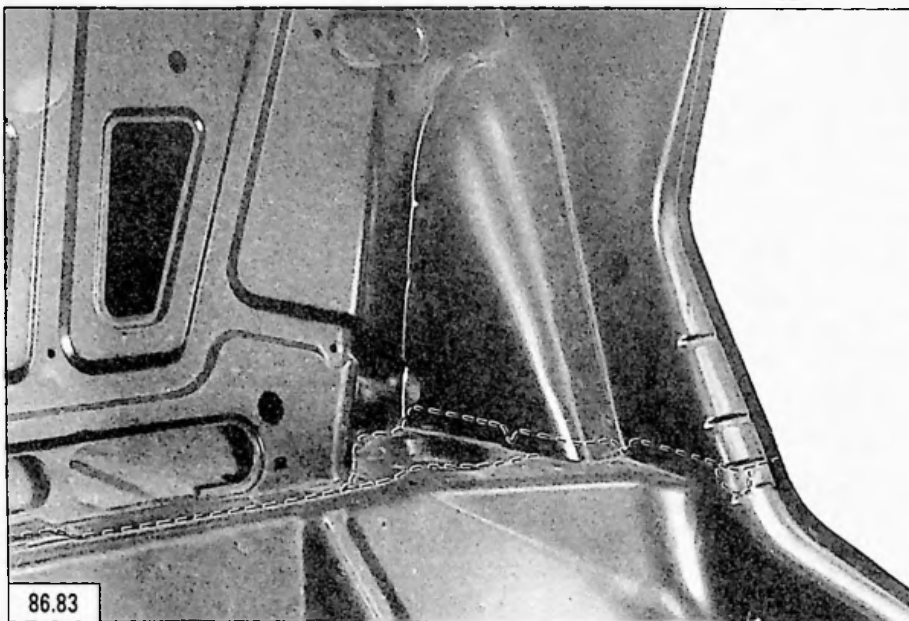
14

A1

MA
800-00

3



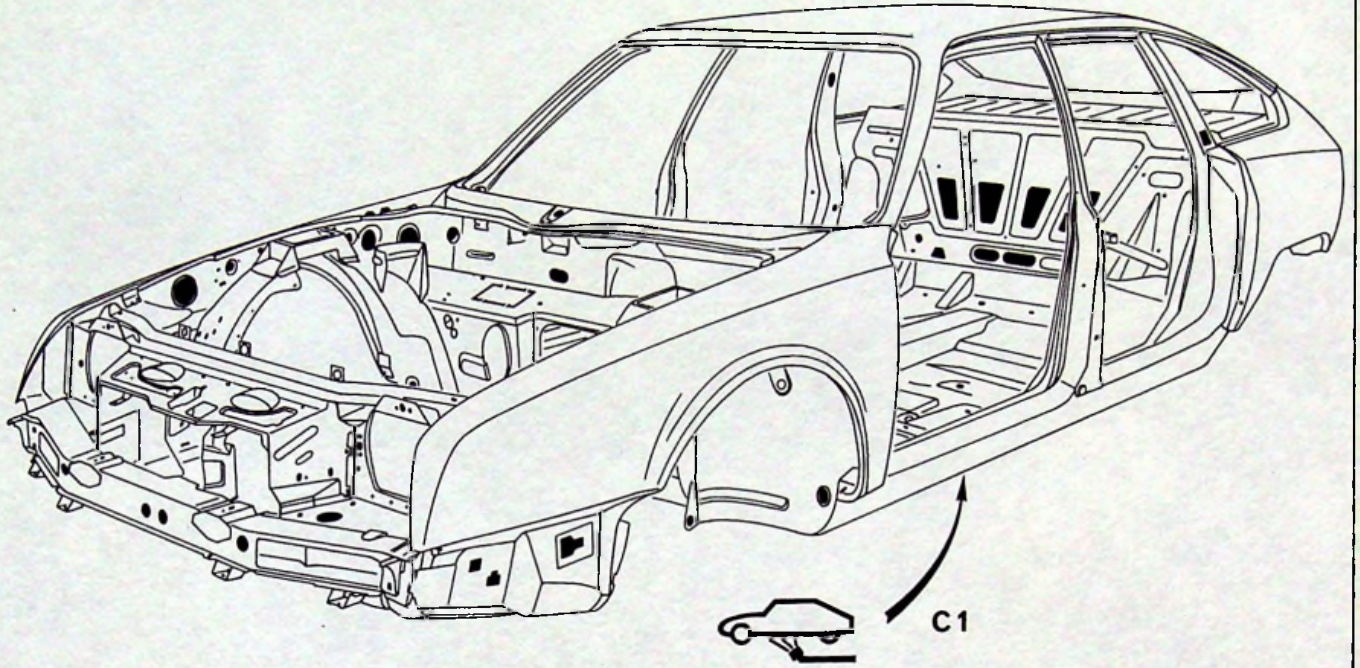




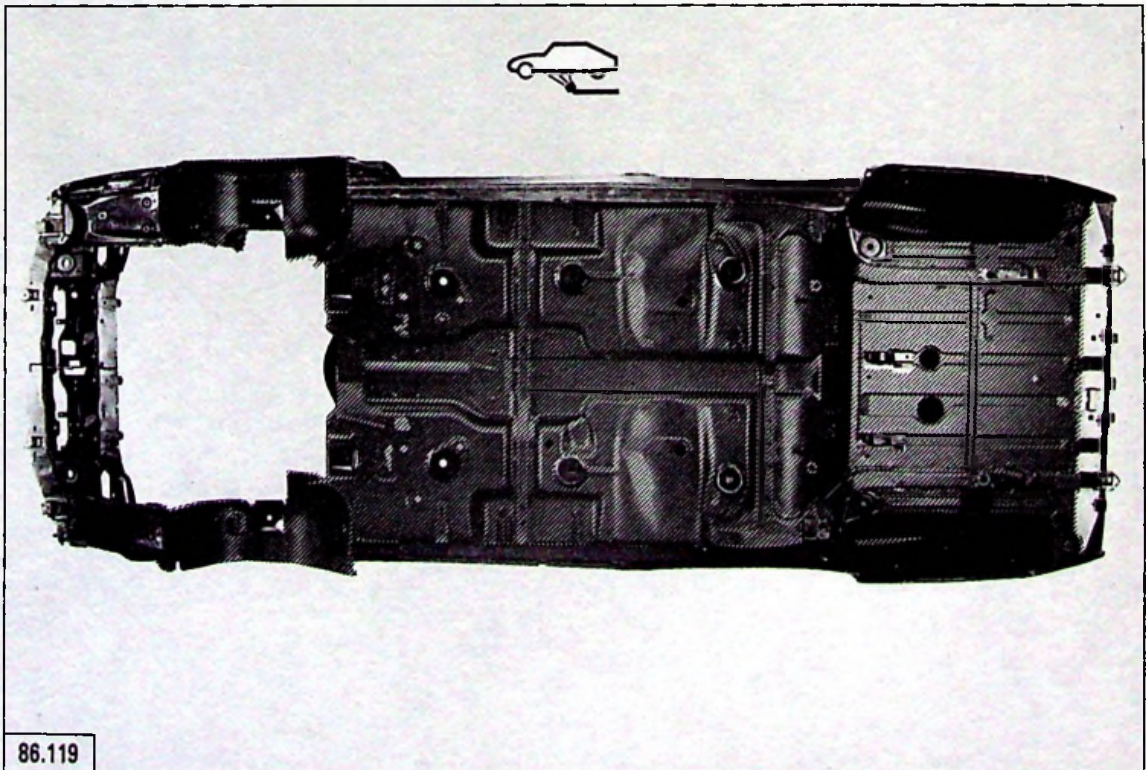
14

MA
800-00

5



L 80.90

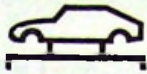


86.119

*



14



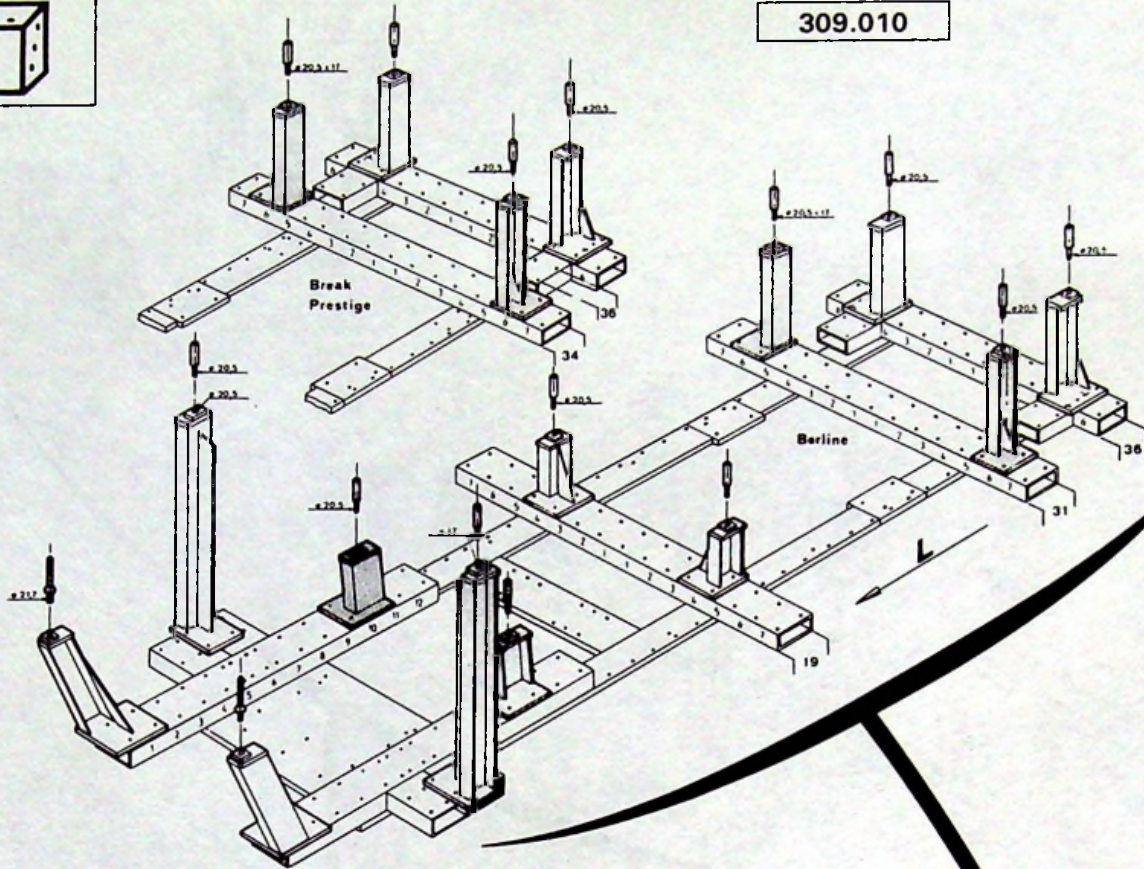
CELETTE

MA
800-01

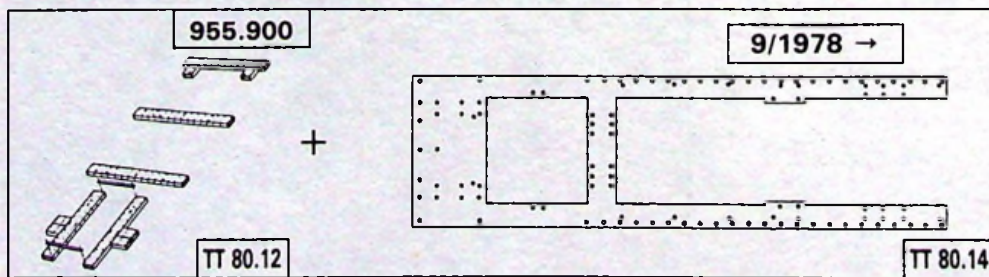
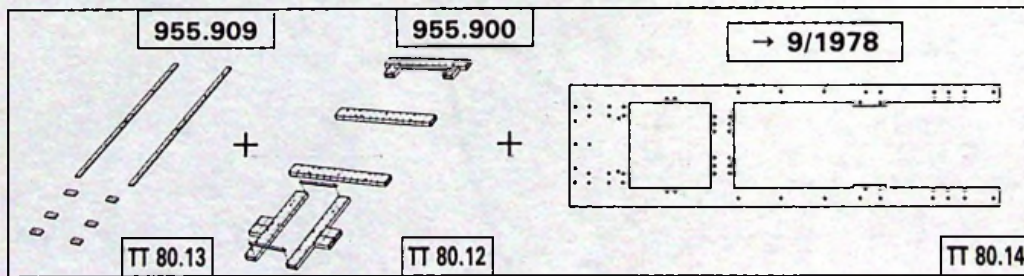
1



309.010



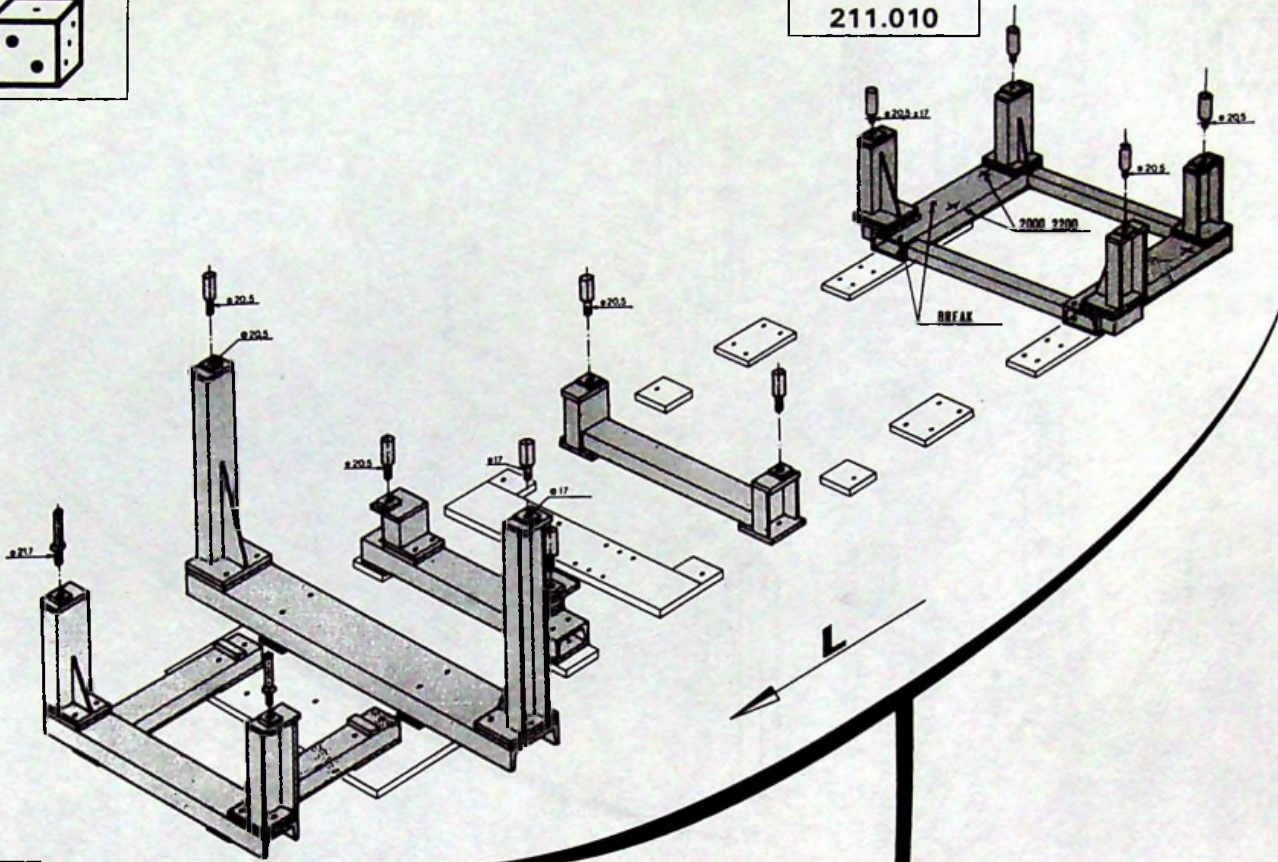
L 80.87



*

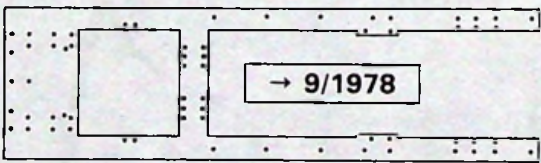


211.010

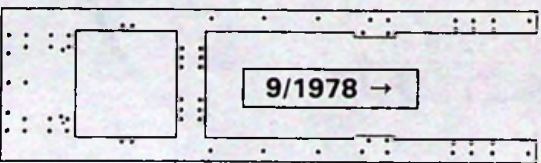


L 80.16a

TT 80.14



TT 80.14





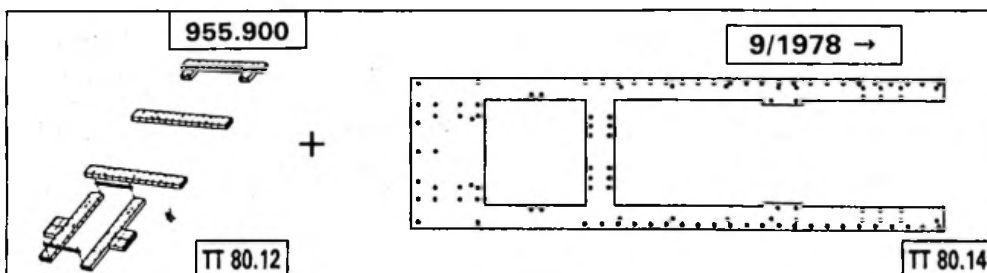
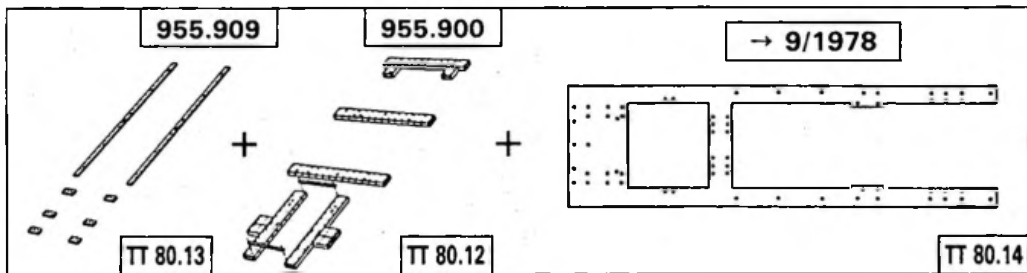
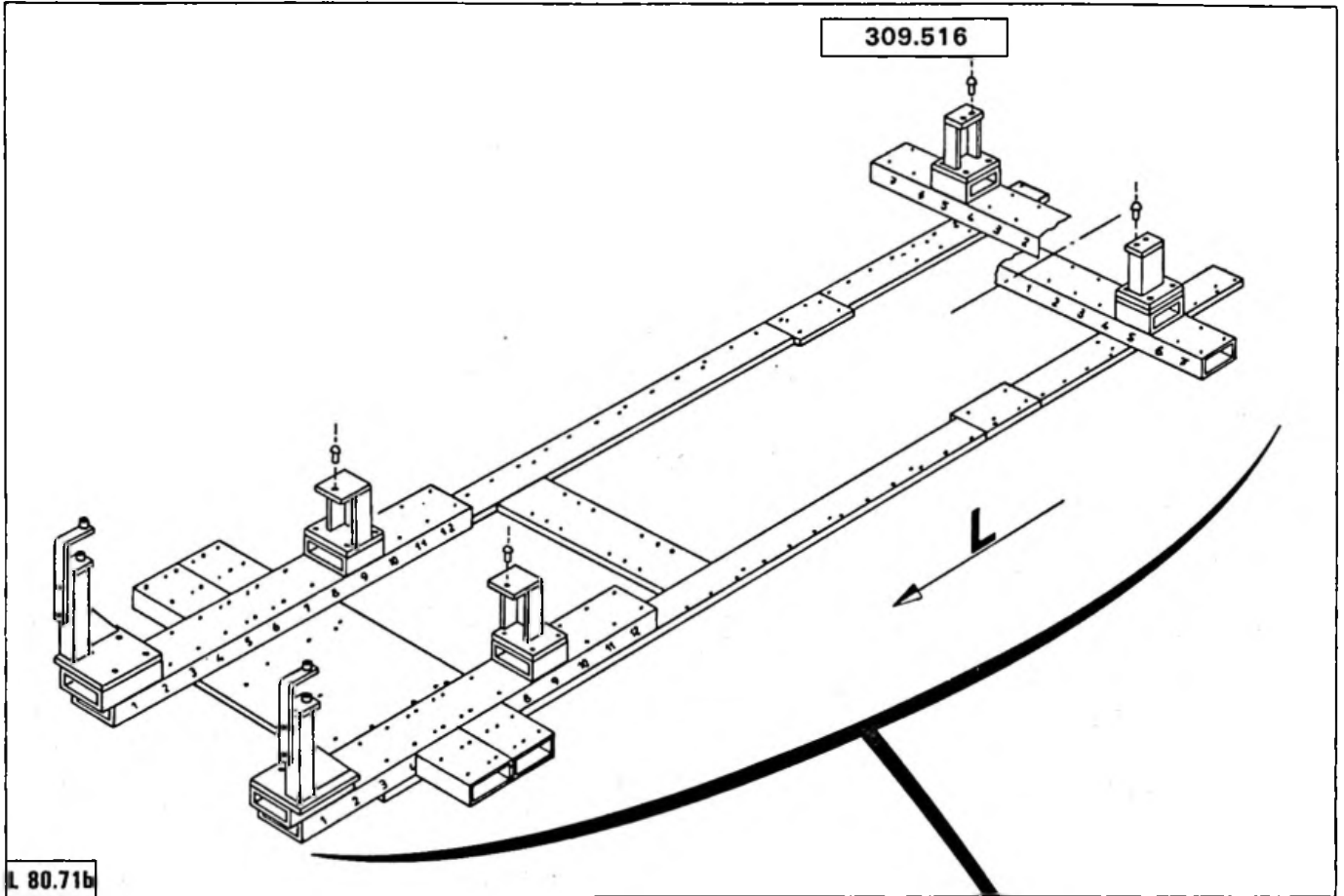
14



CELETTE

MA
800-02

1



*



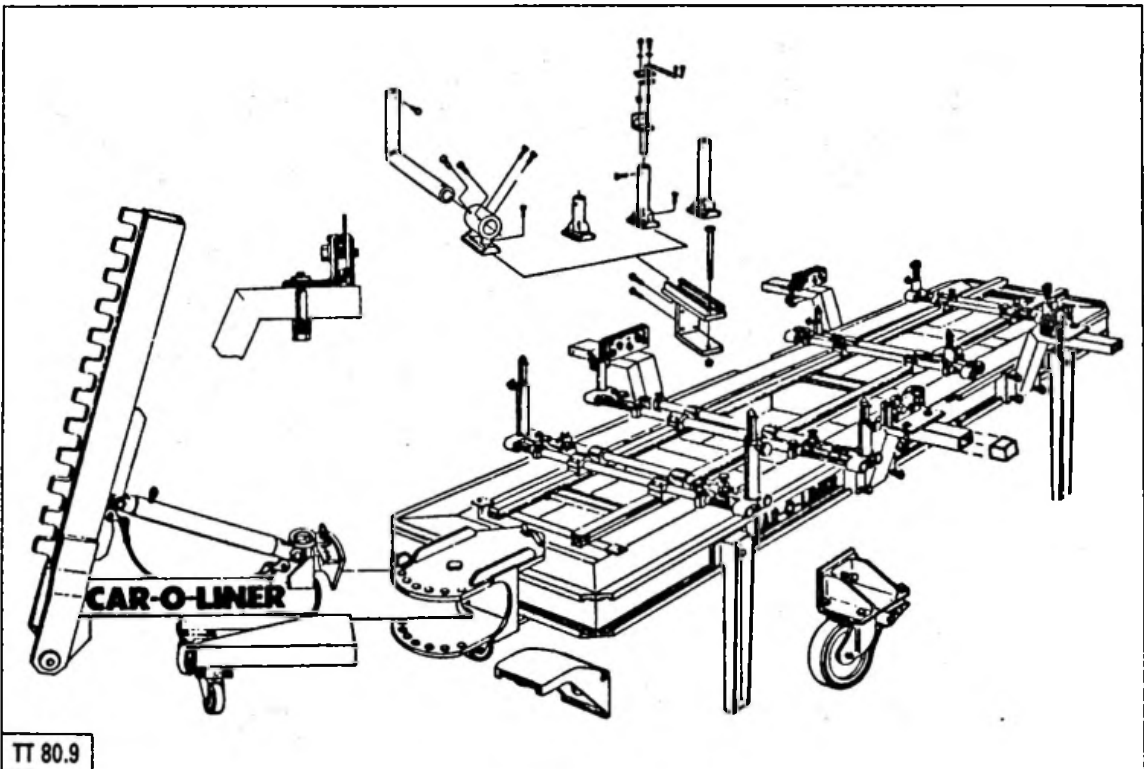
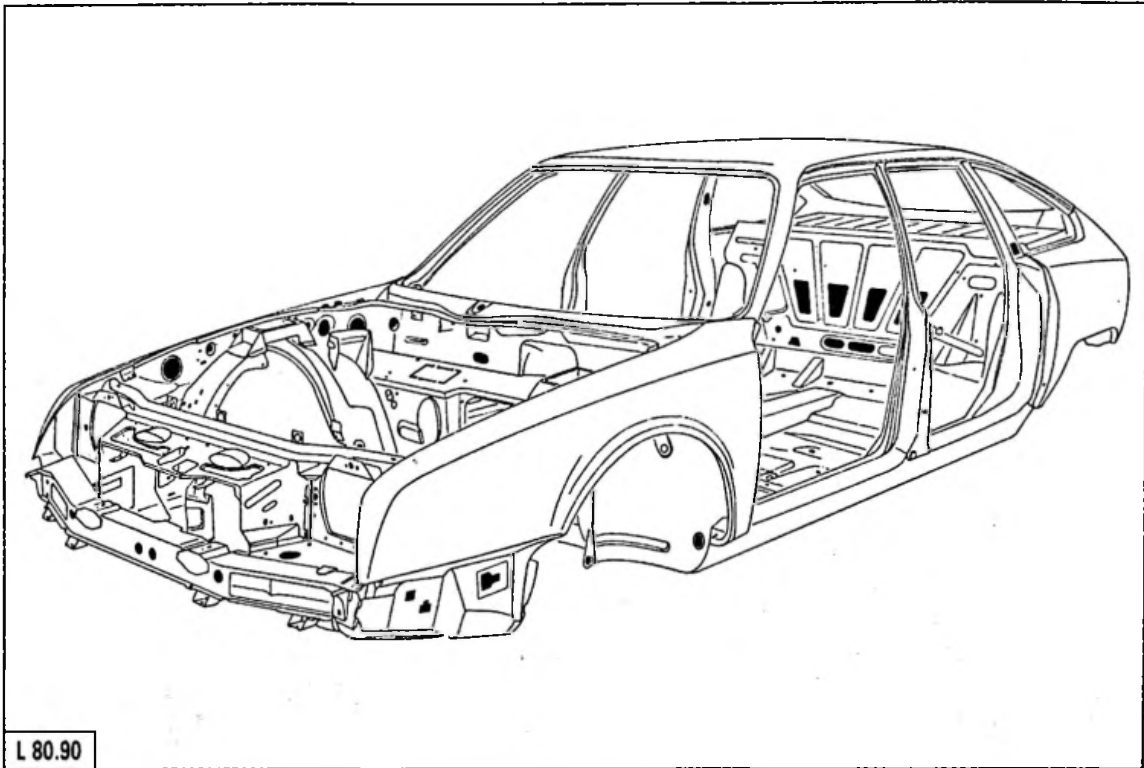
14

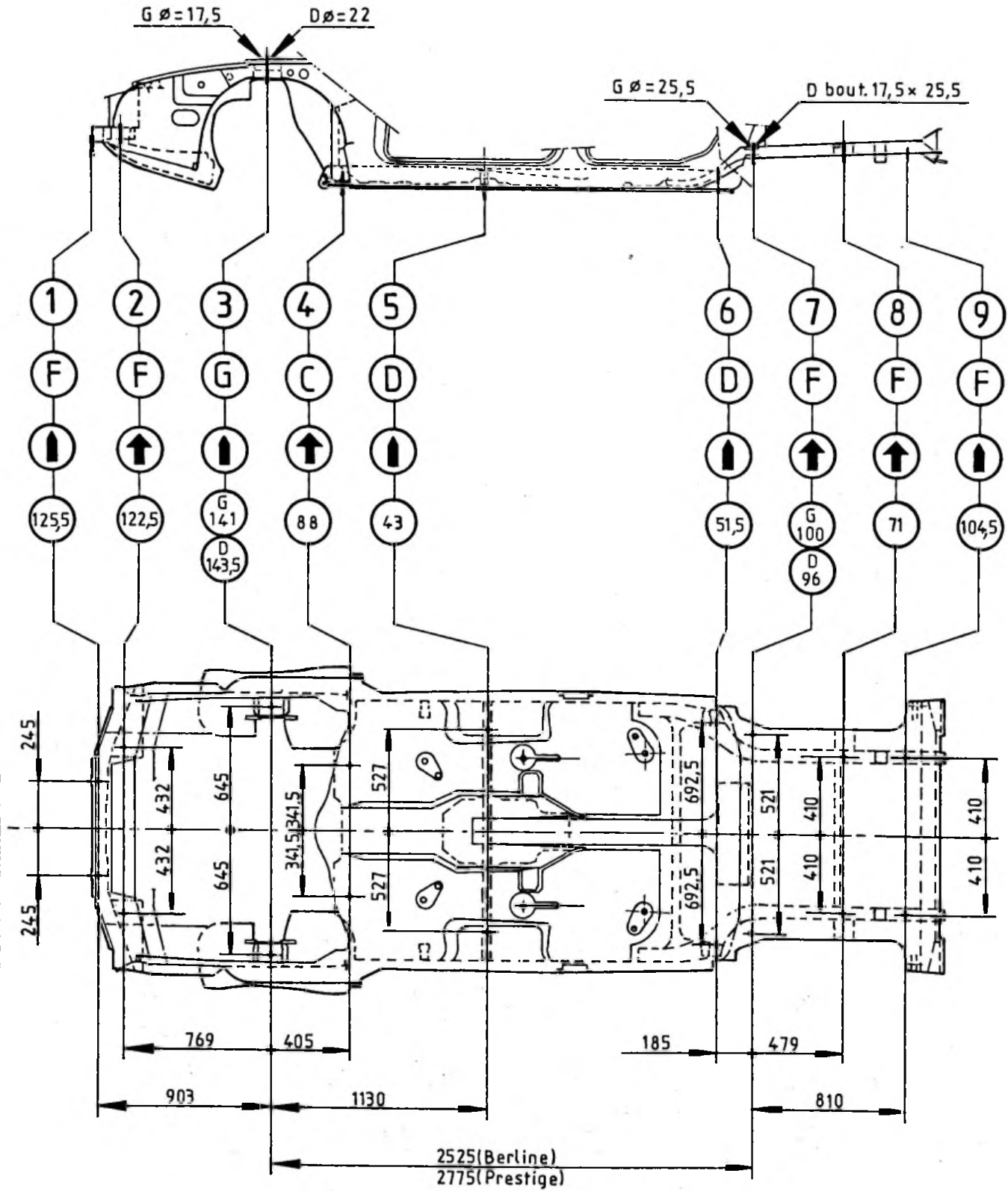


CAROLINER

MA
800-10

1







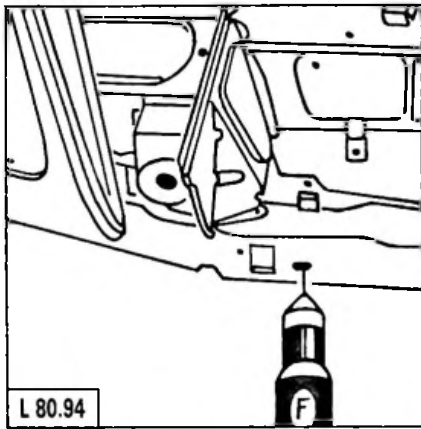
14



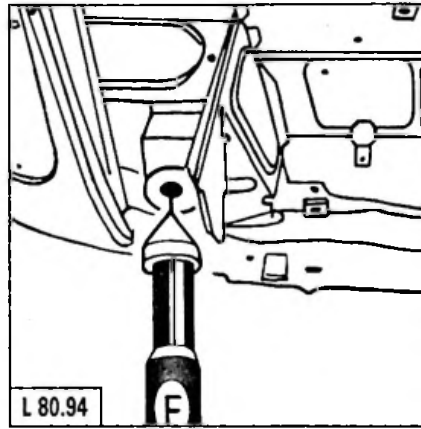
CAROLINER

MA
800-10

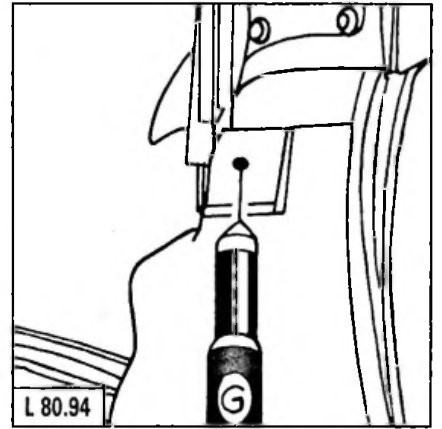
3



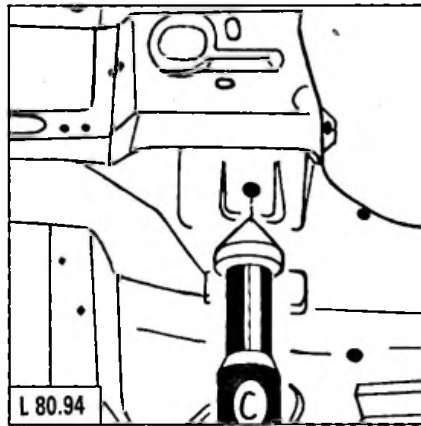
1



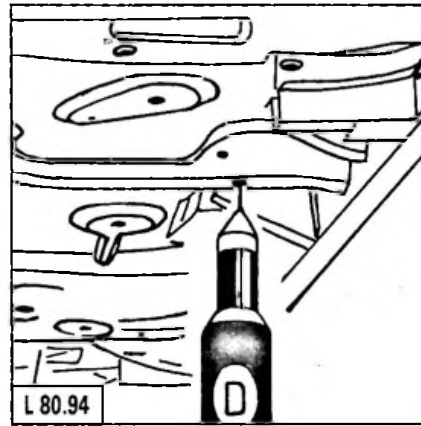
2



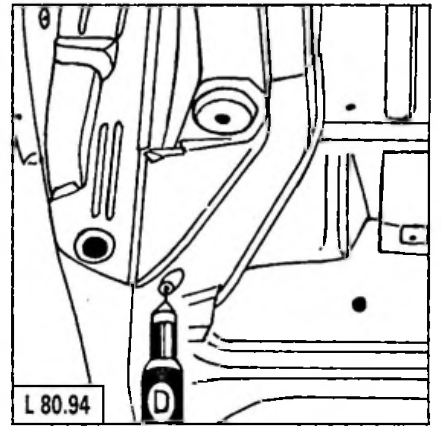
3



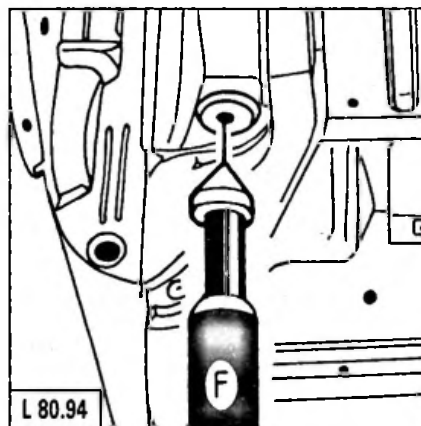
4



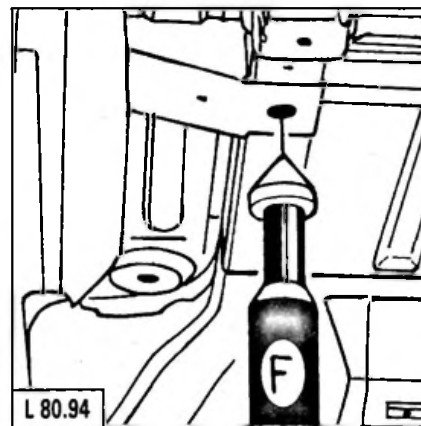
5



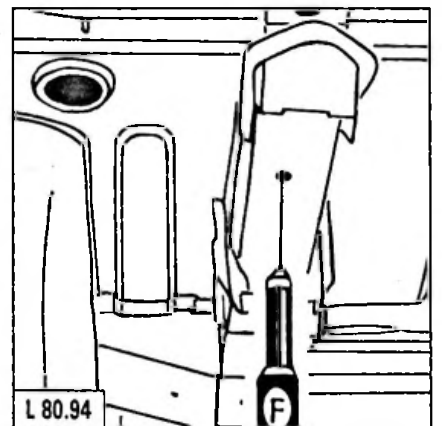
6



7



8



9



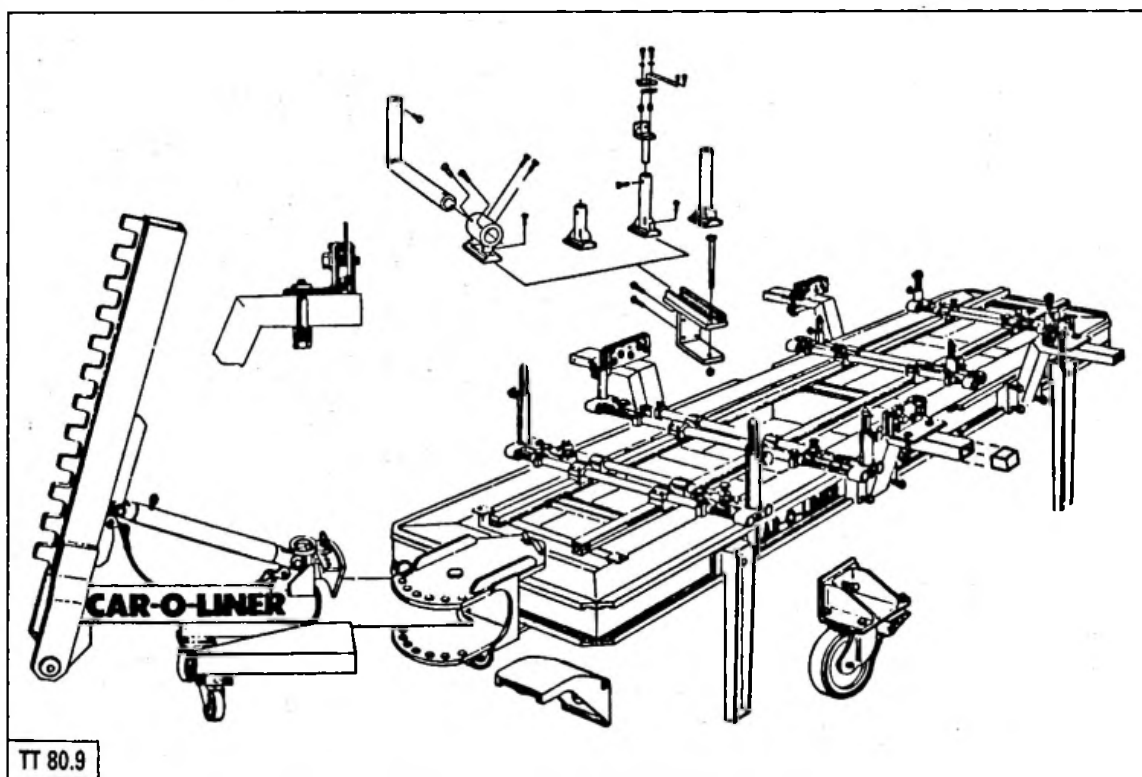
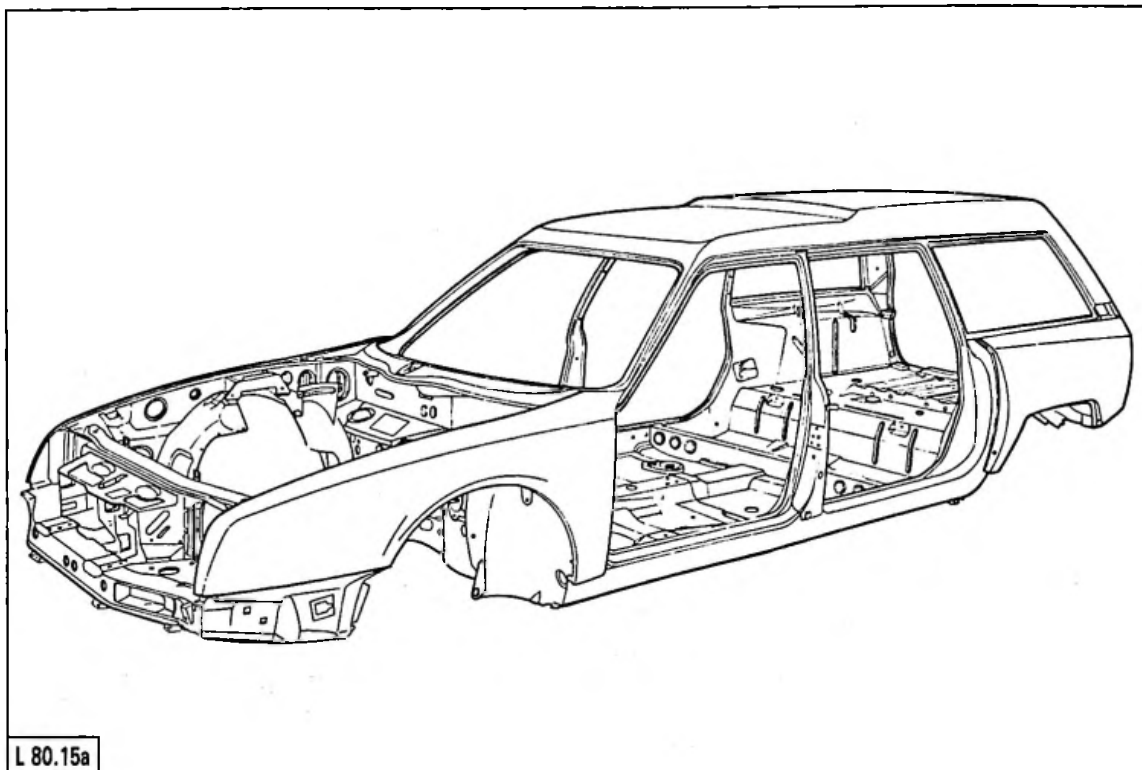
14



CAROLINER

MA
800-11

1





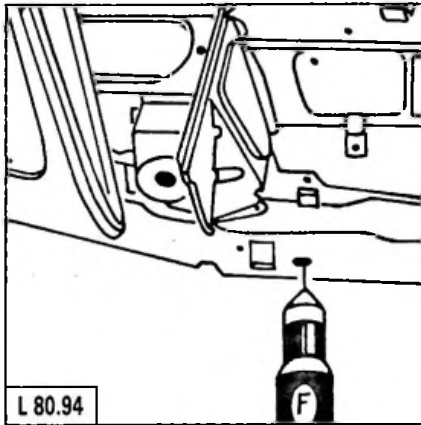
14



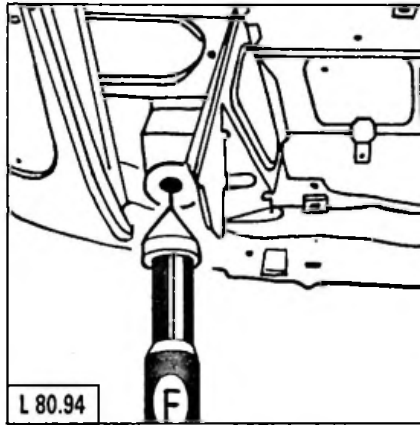
CAROLINER

MA
800-11

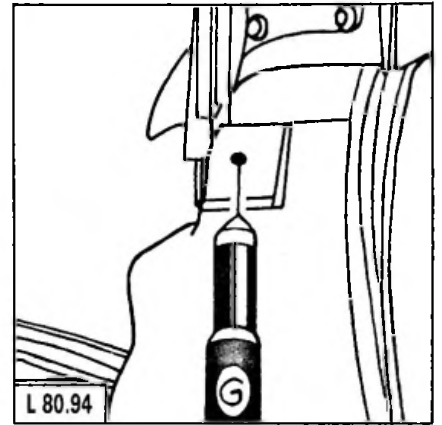
3



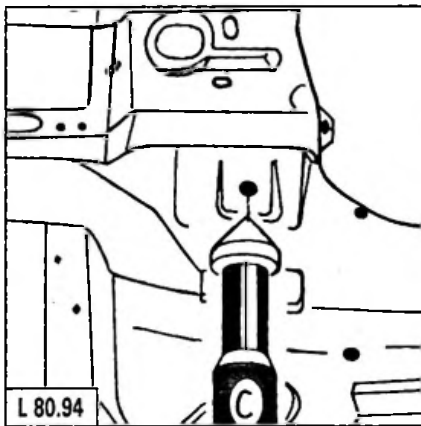
①



②



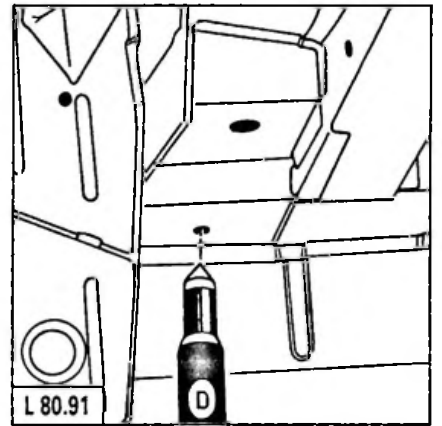
③



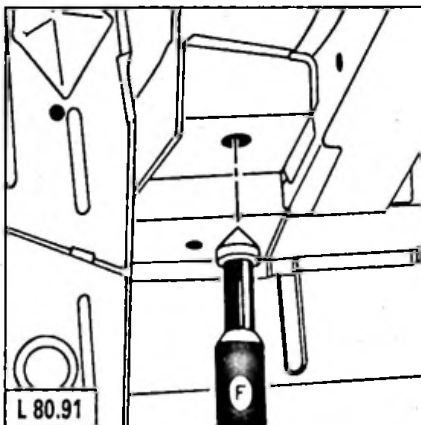
④



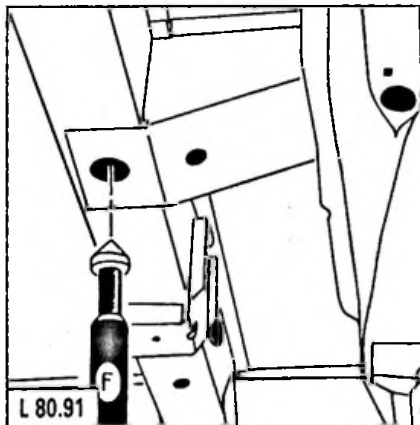
⑤



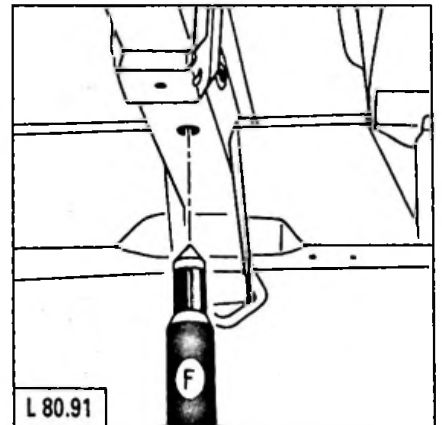
⑥



⑦



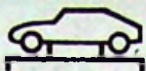
⑧



⑨



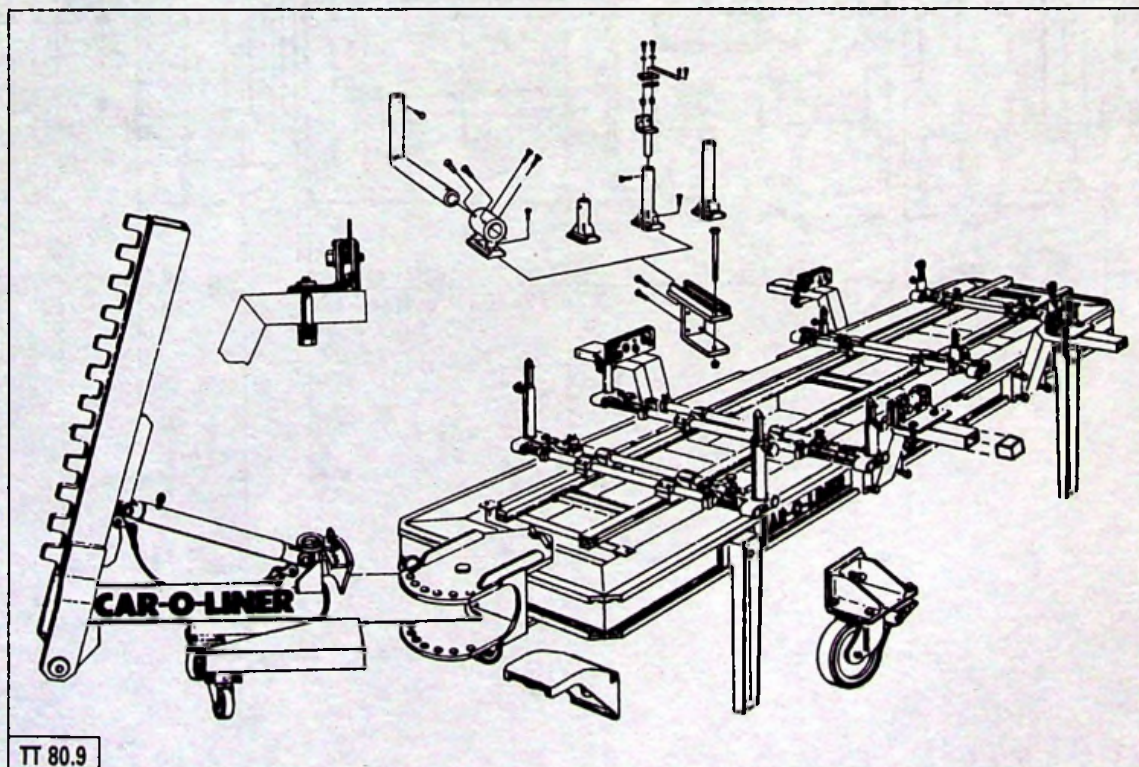
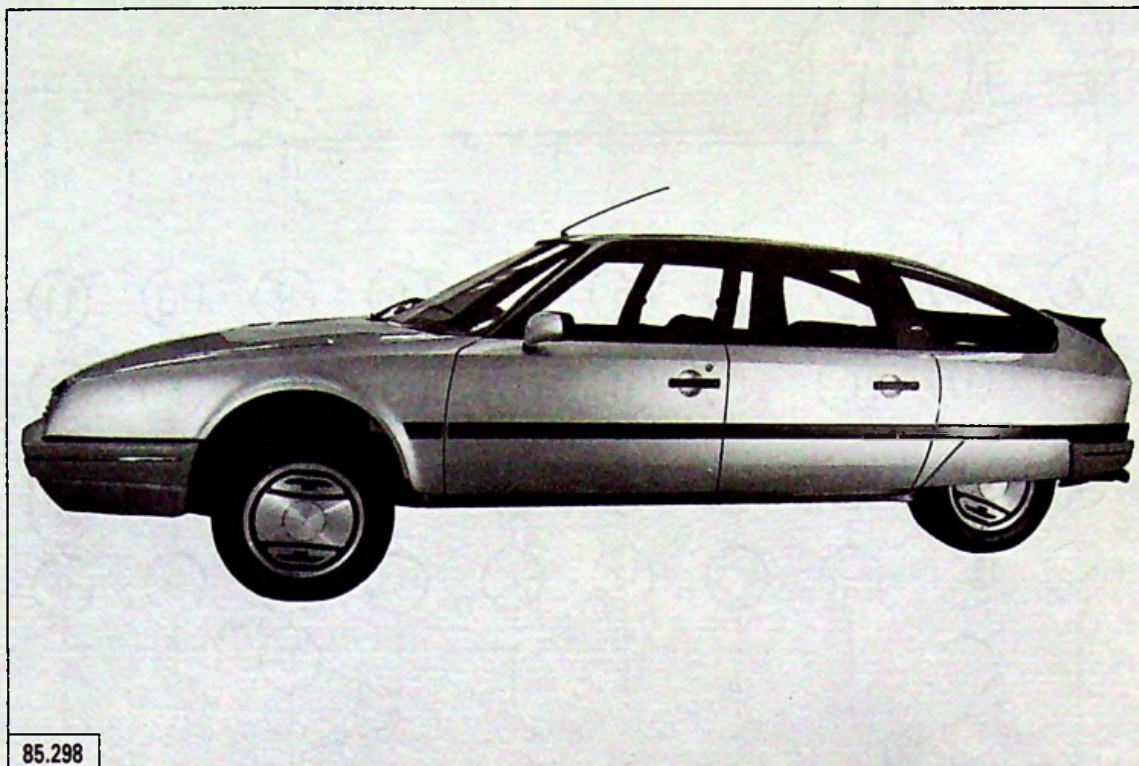
14

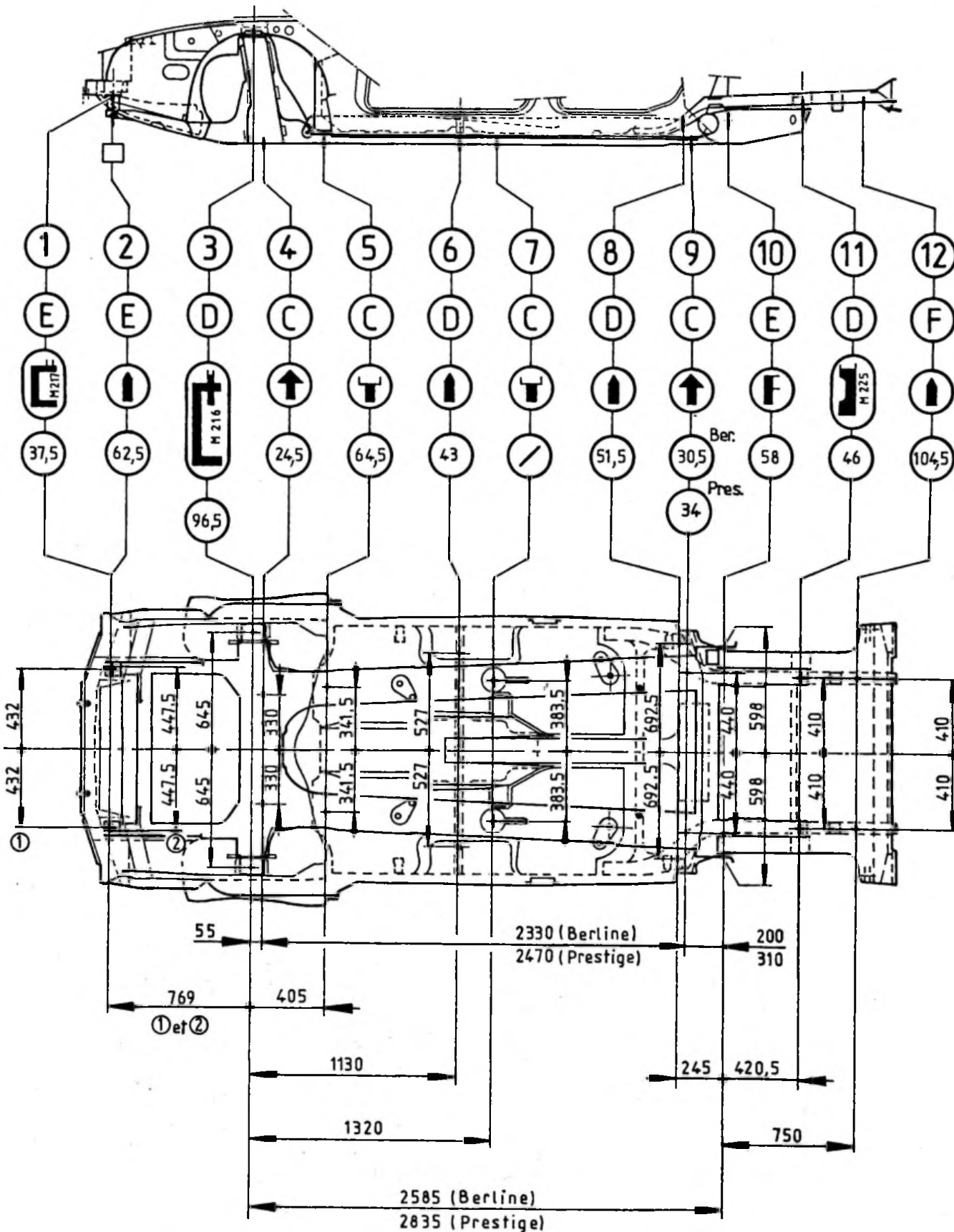


CAROLINER

MA
800-12

1





- ① M 217 L=120
- ② M 216 L=480
- ① ③ ⑤ ⑦ ⑪ ø19 Imperatif



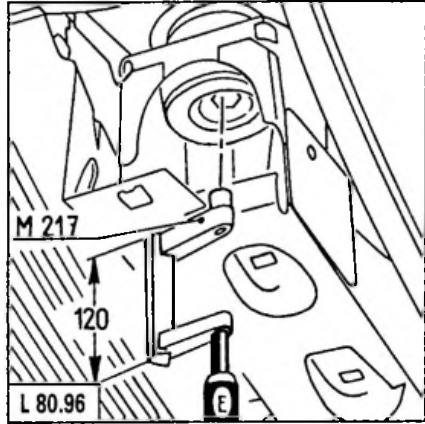
14



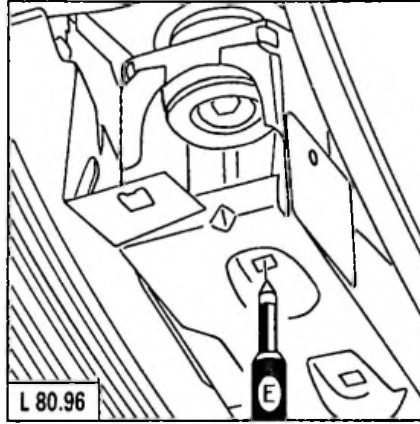
CAROLINER

MA
800-12

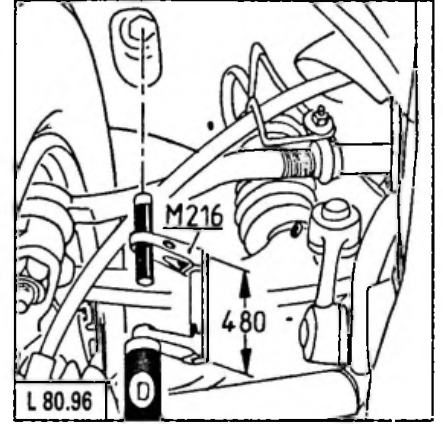
3



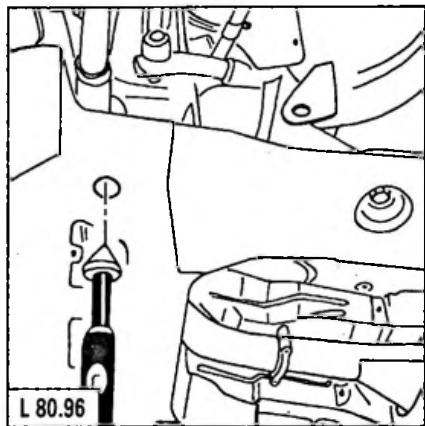
1



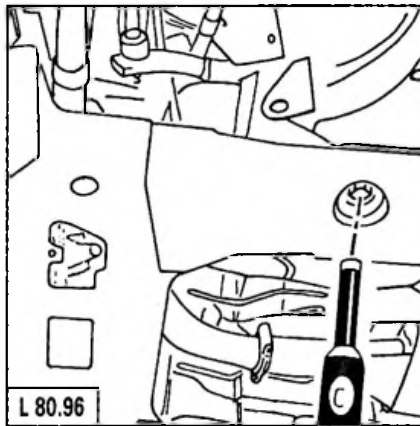
2



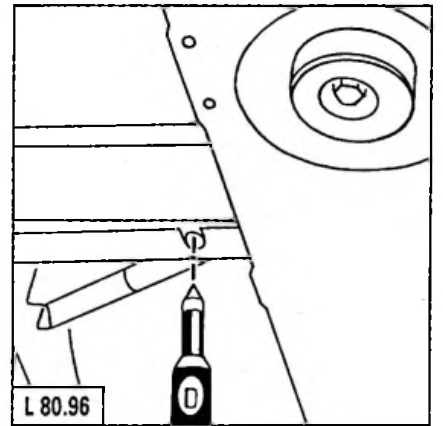
3



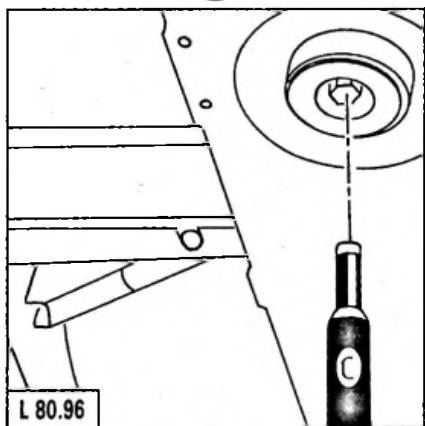
4



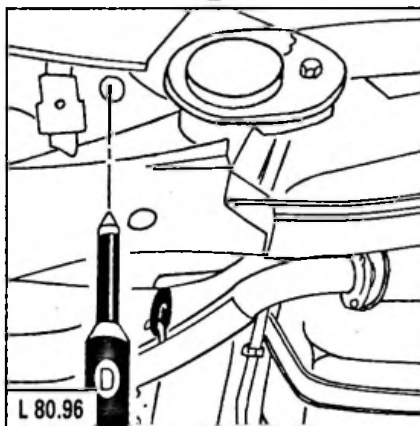
5



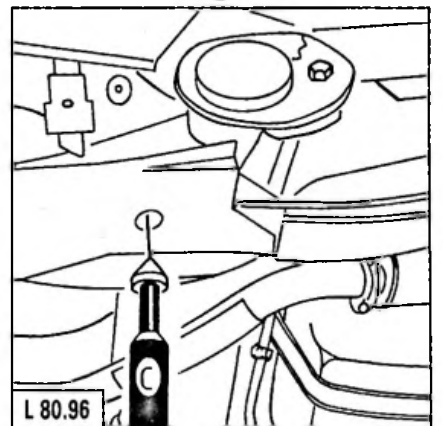
6



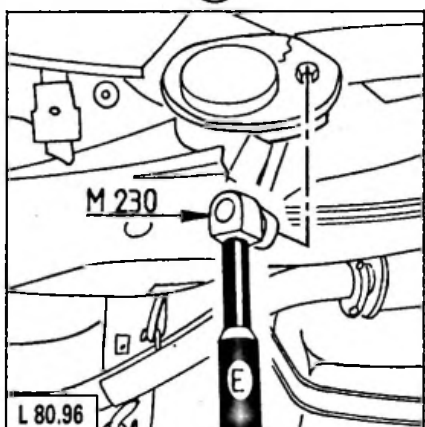
7



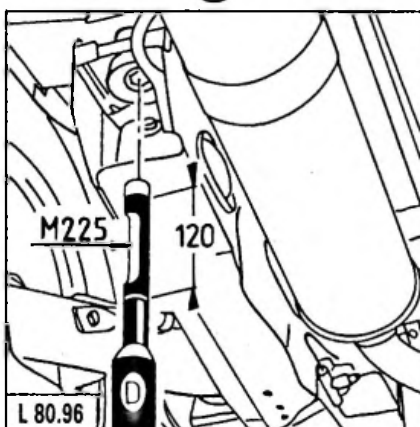
8



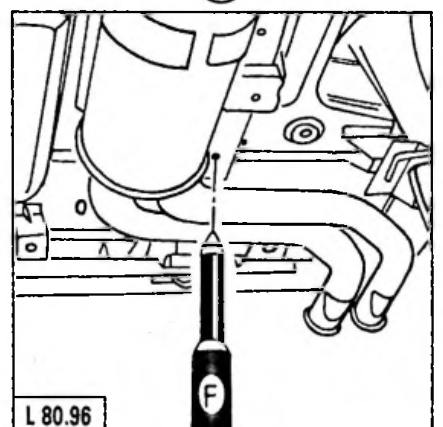
9



10



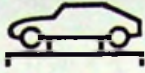
11



12



14



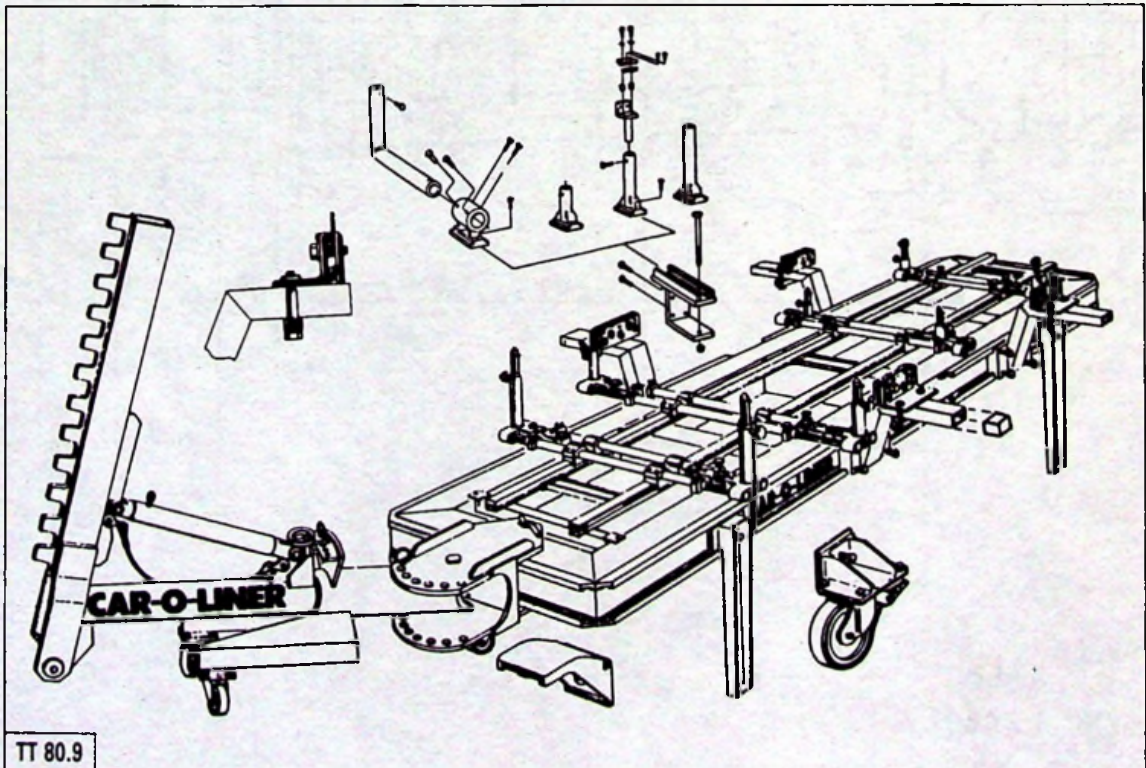
CAROLINER

MA
800-13

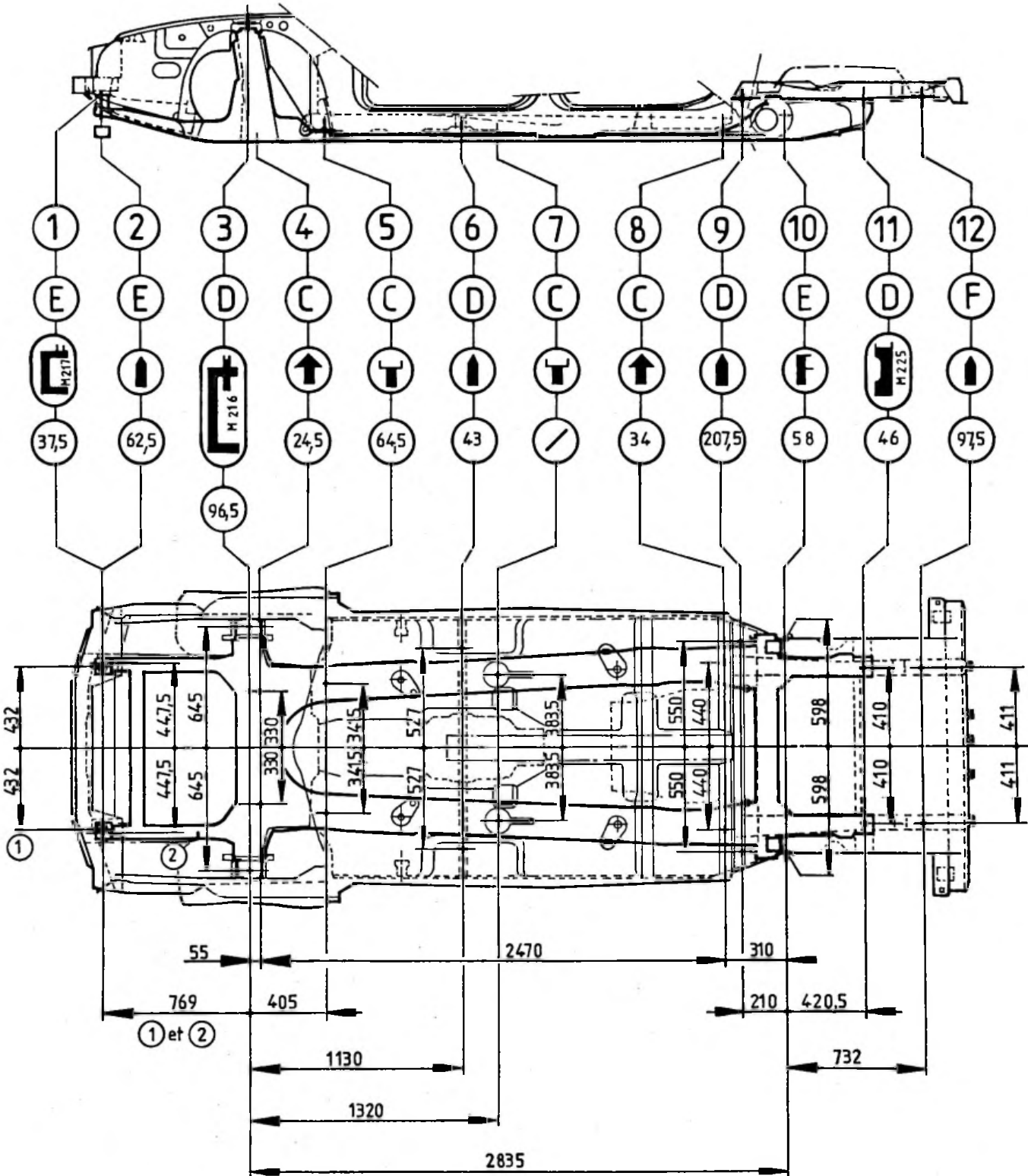
1



85.302



TT 80.9



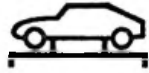
① M 217 L=120

③ M 216 L=480

① ③ ⑤ ⑦ ⑪ T ∅=19 impératif



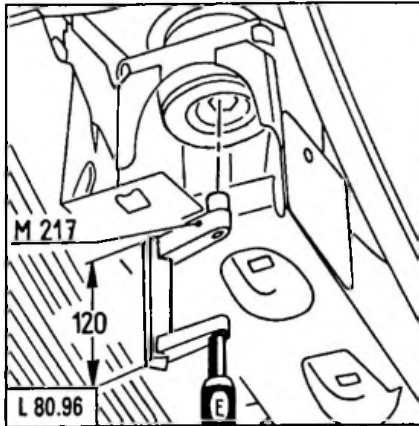
14



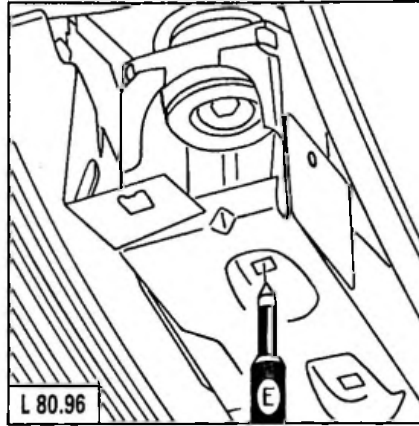
CAROLINER

MA
800-13

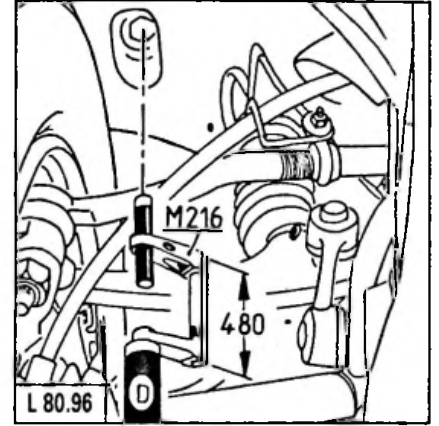
3



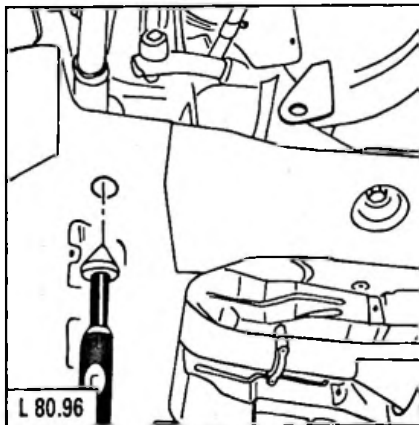
1



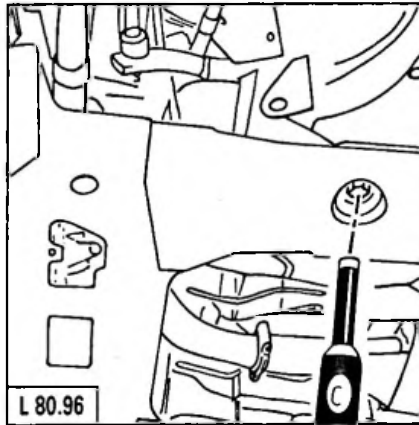
2



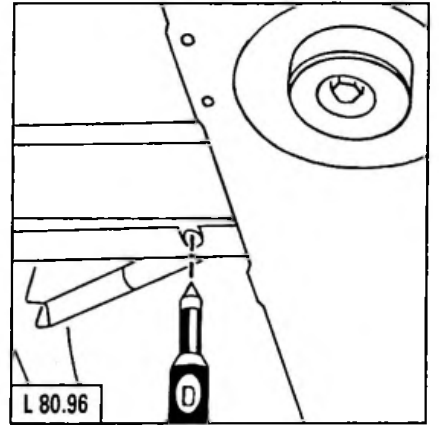
3



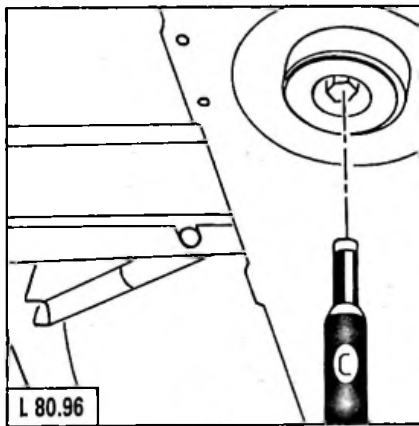
4



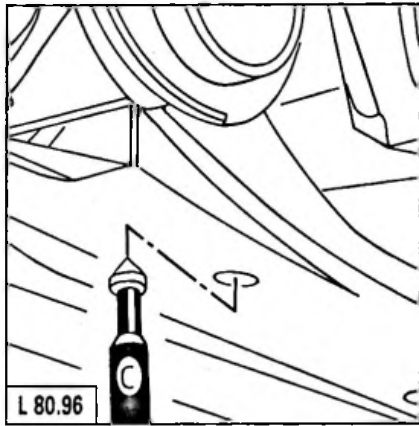
5



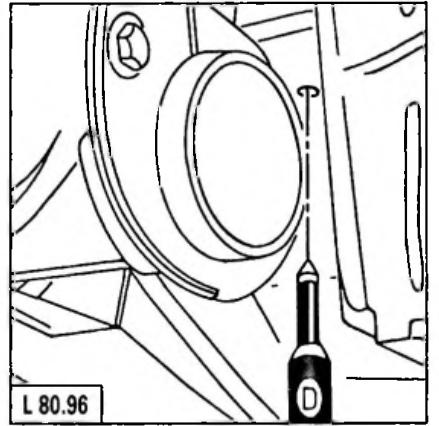
6



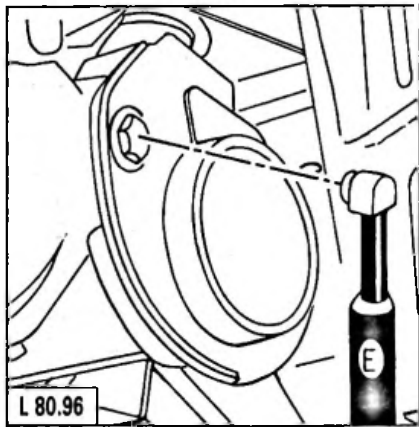
7



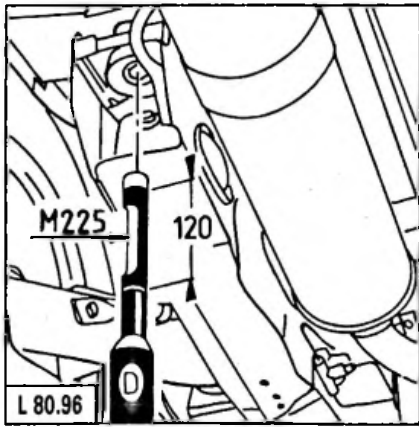
8



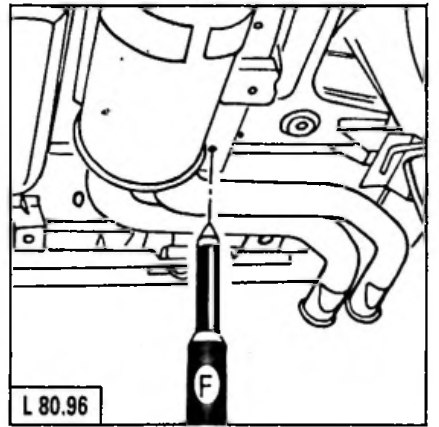
9



10



11



12

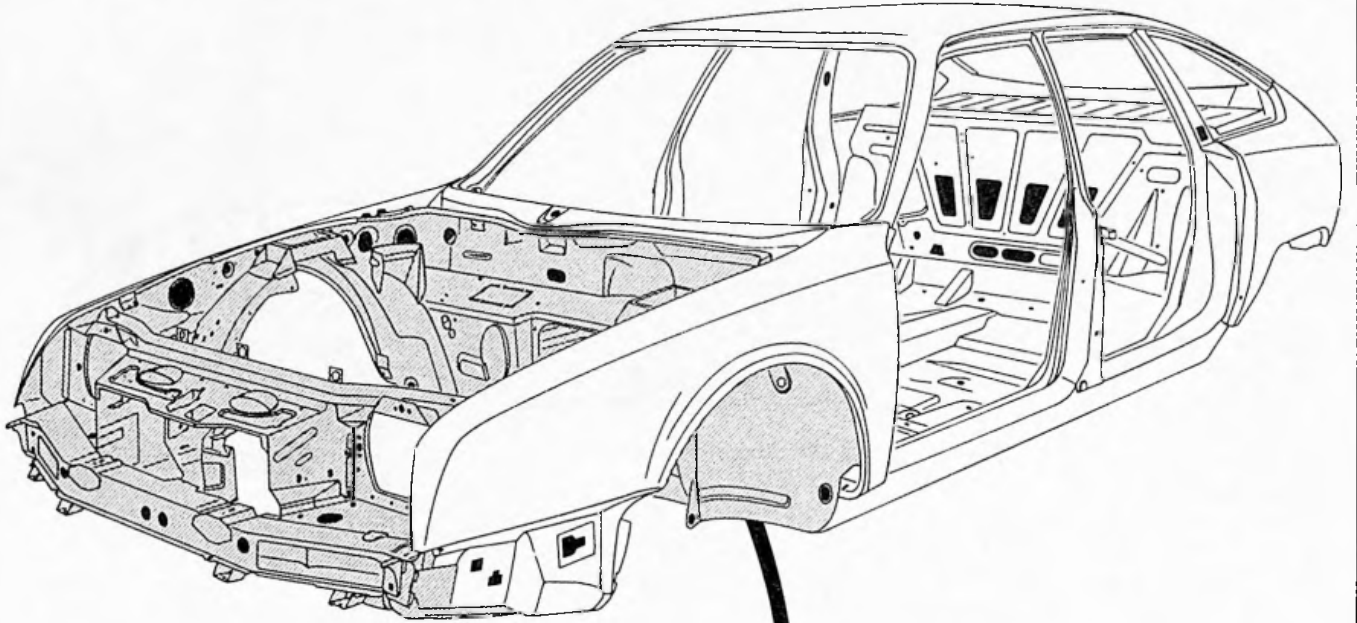


14

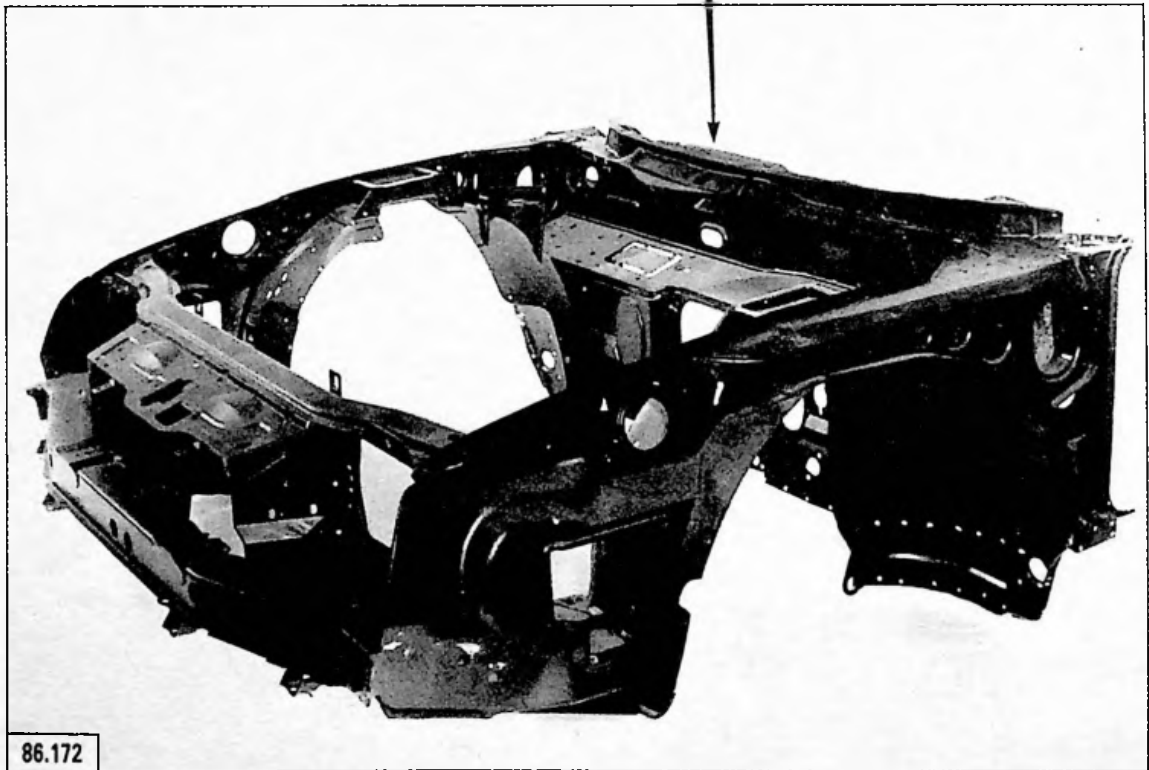


MA
801-1

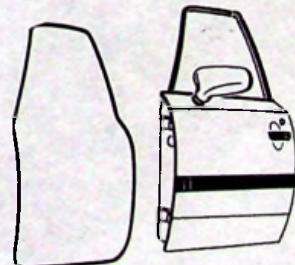
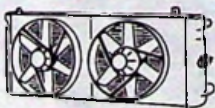
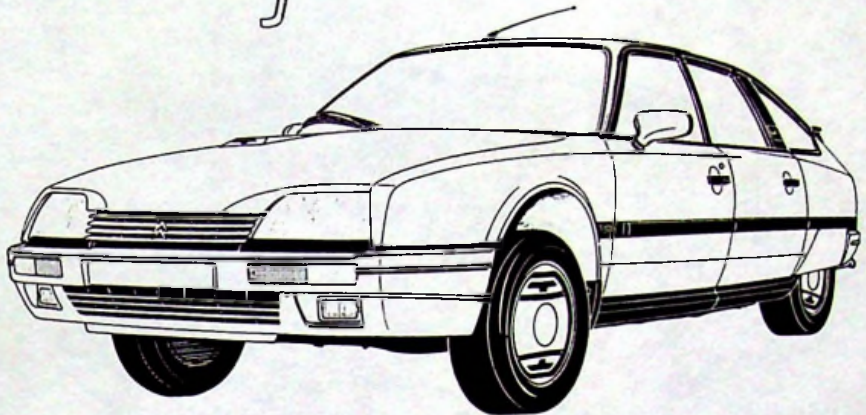
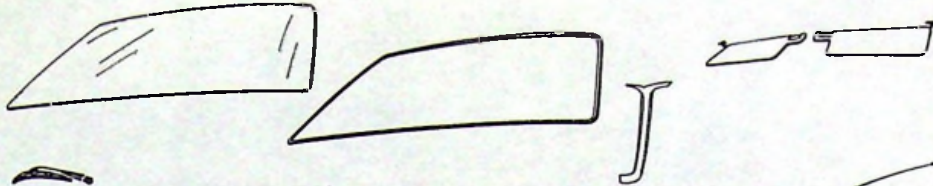
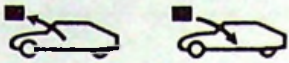
1



L 80.90



86.172



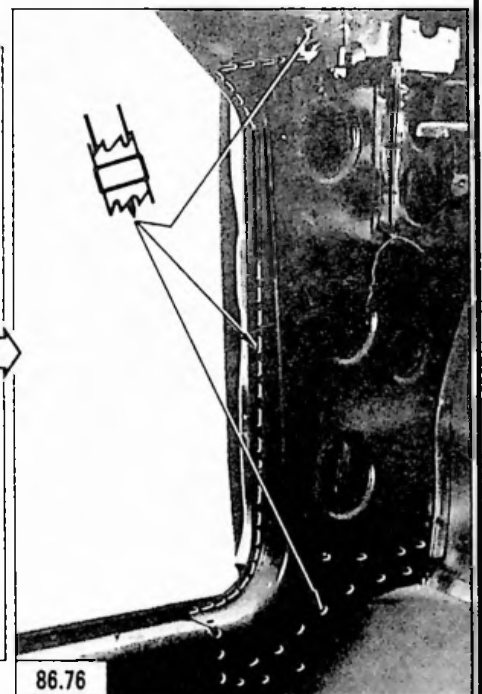
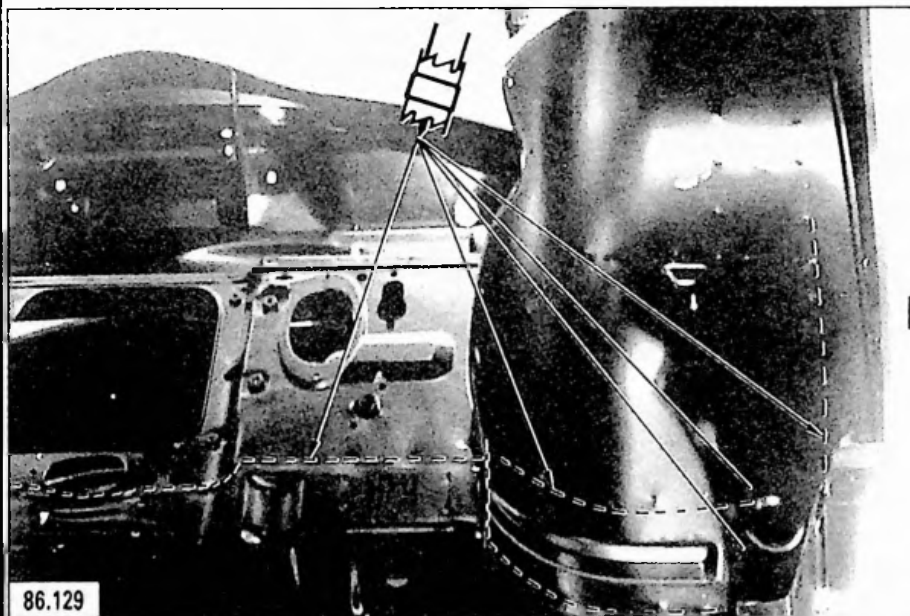
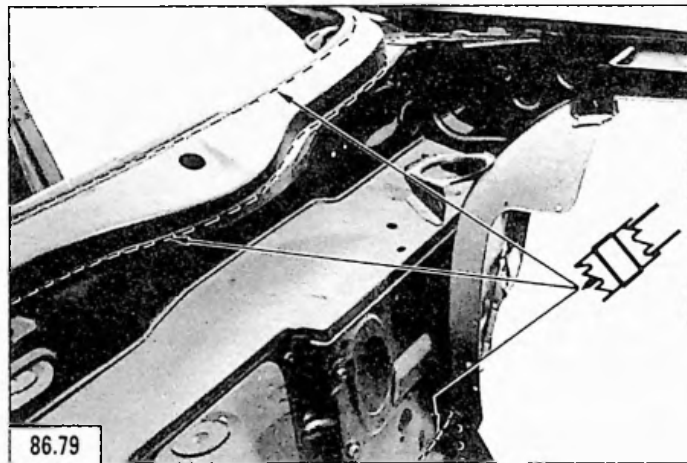
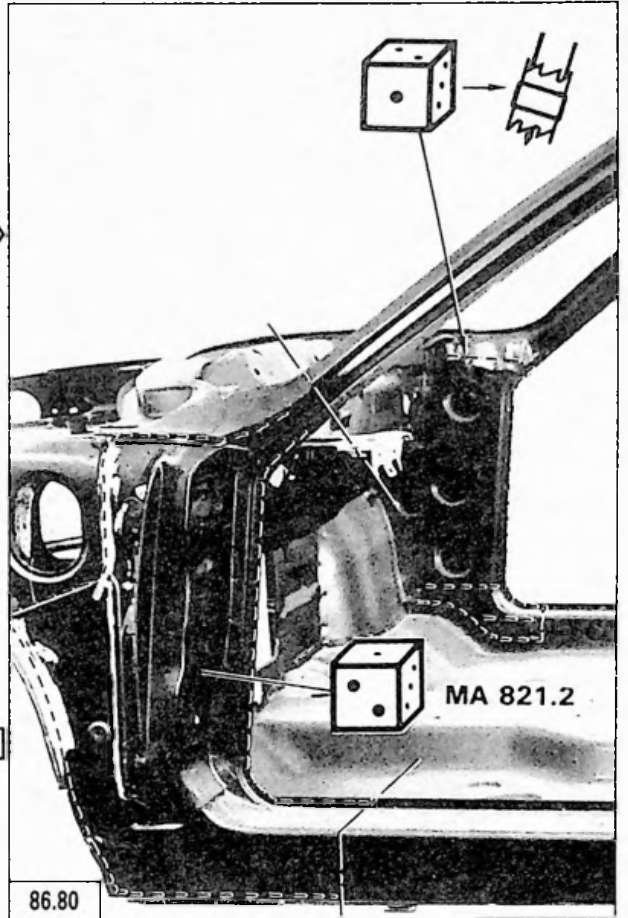
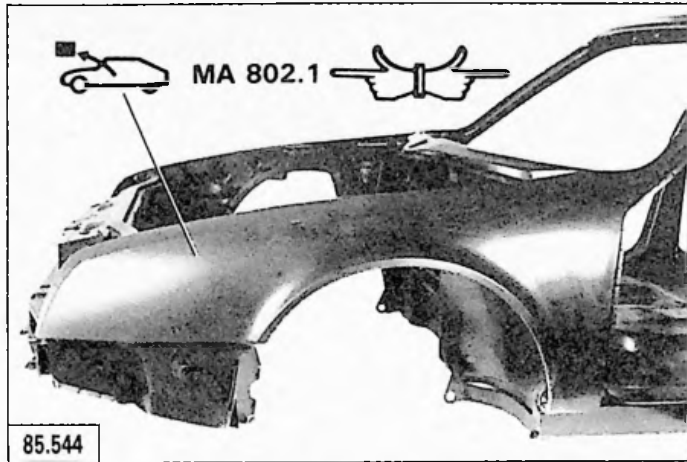


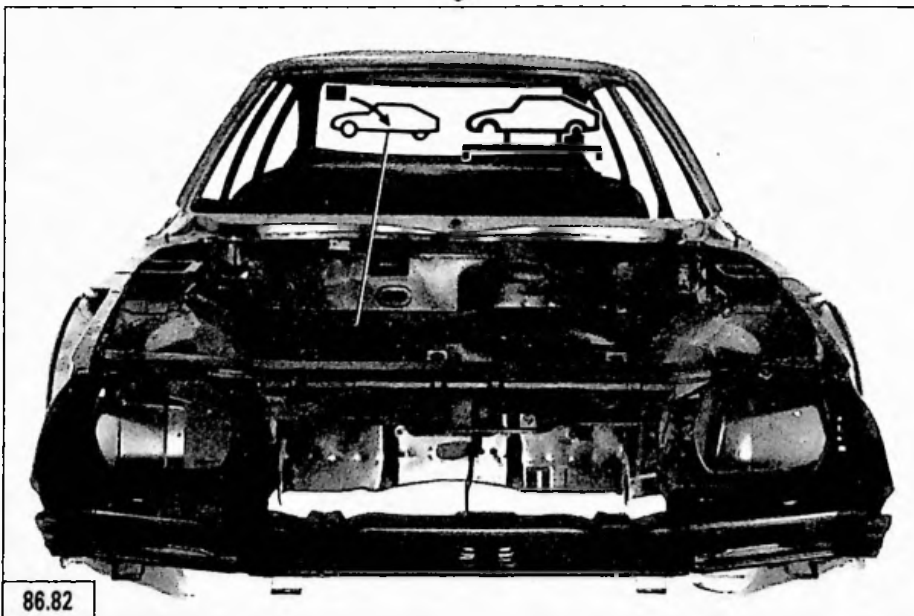
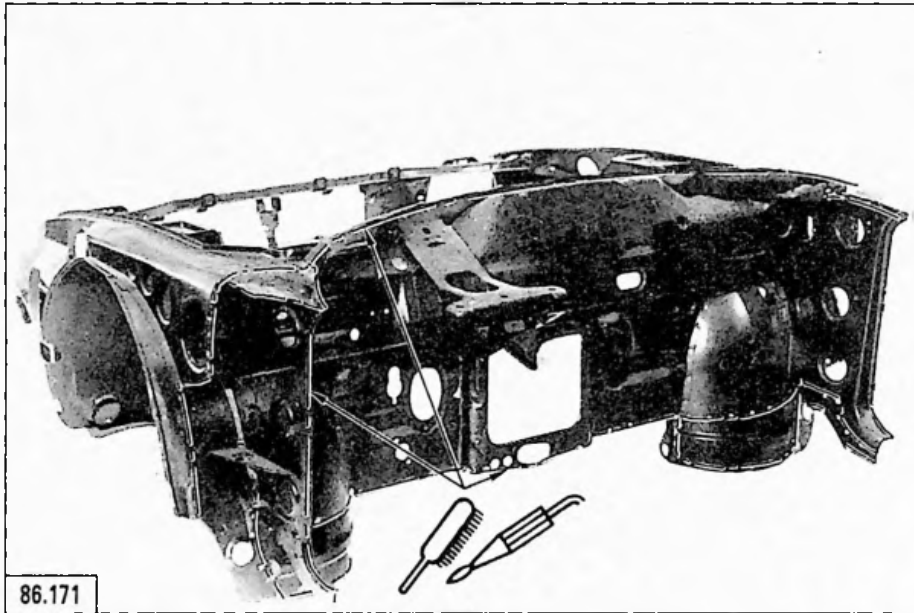
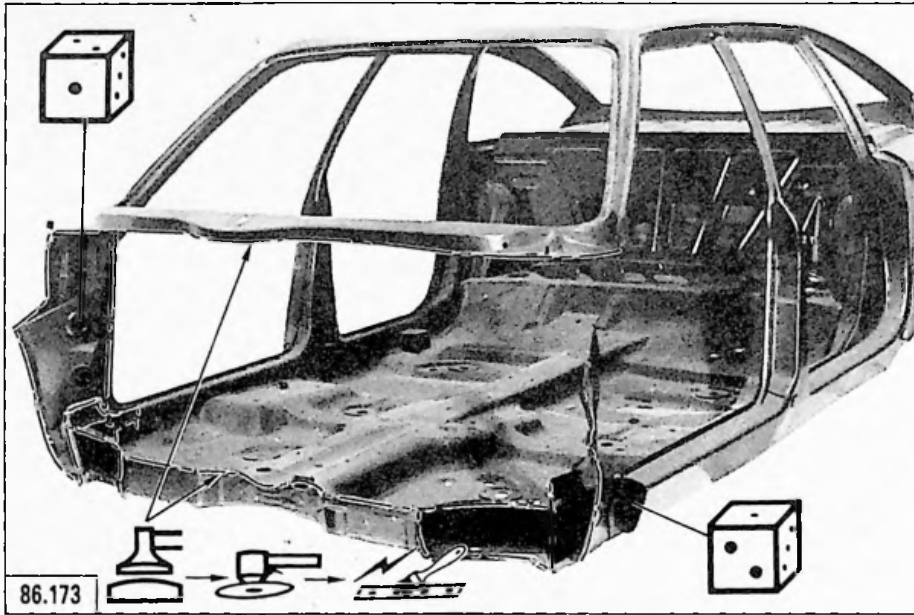
14



MA 801-1

3





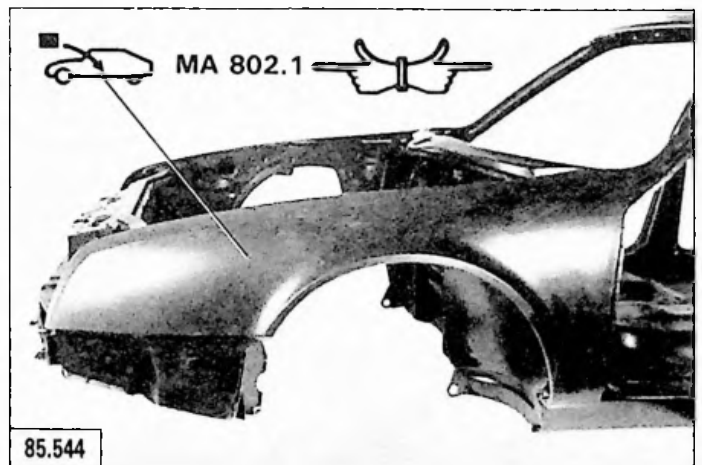
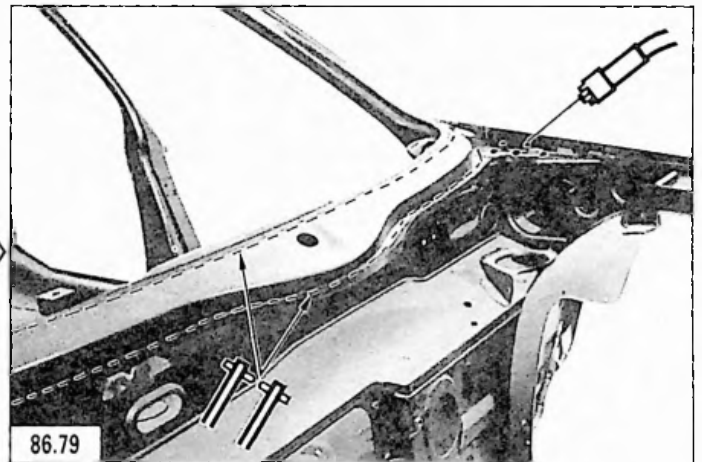
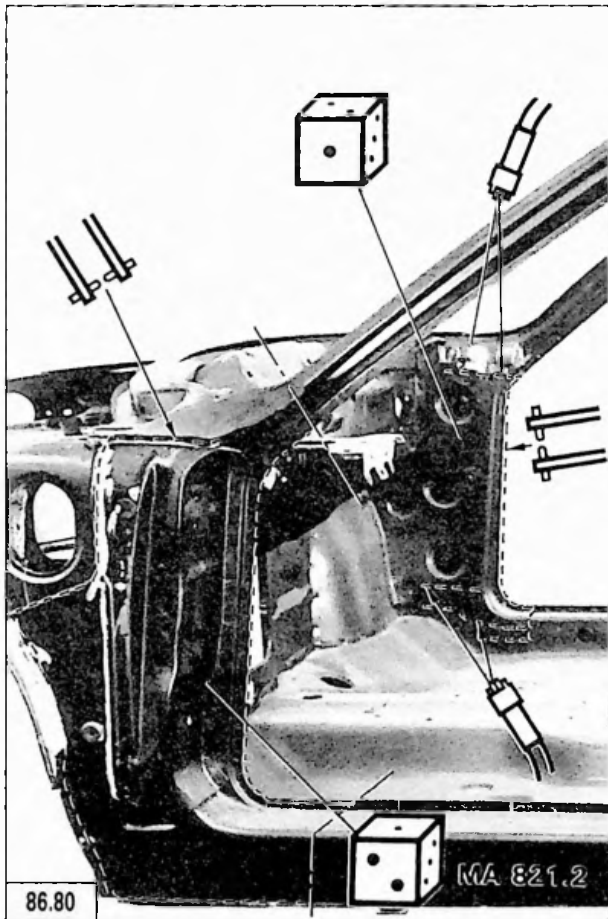
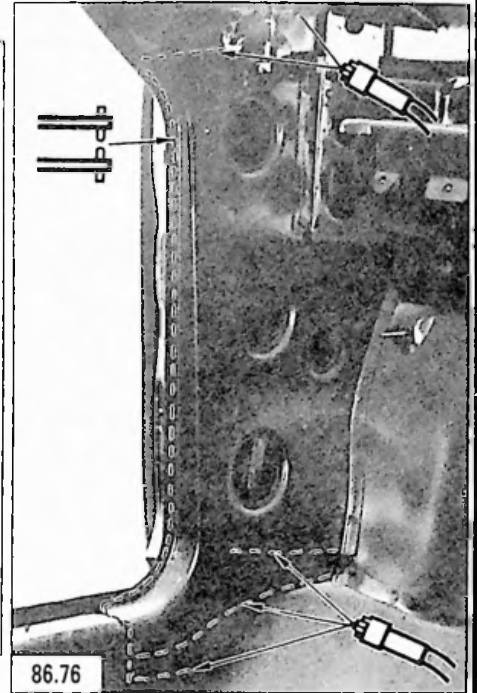
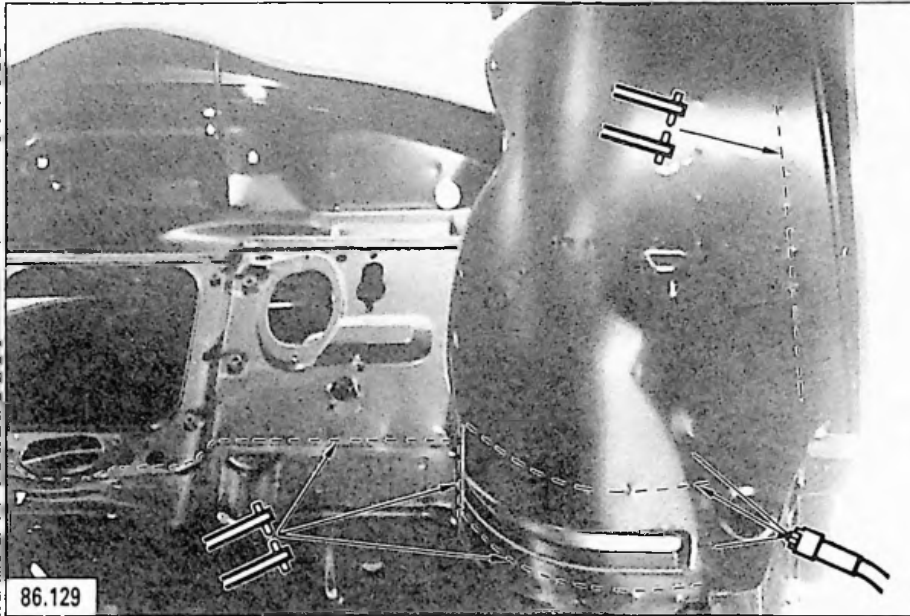


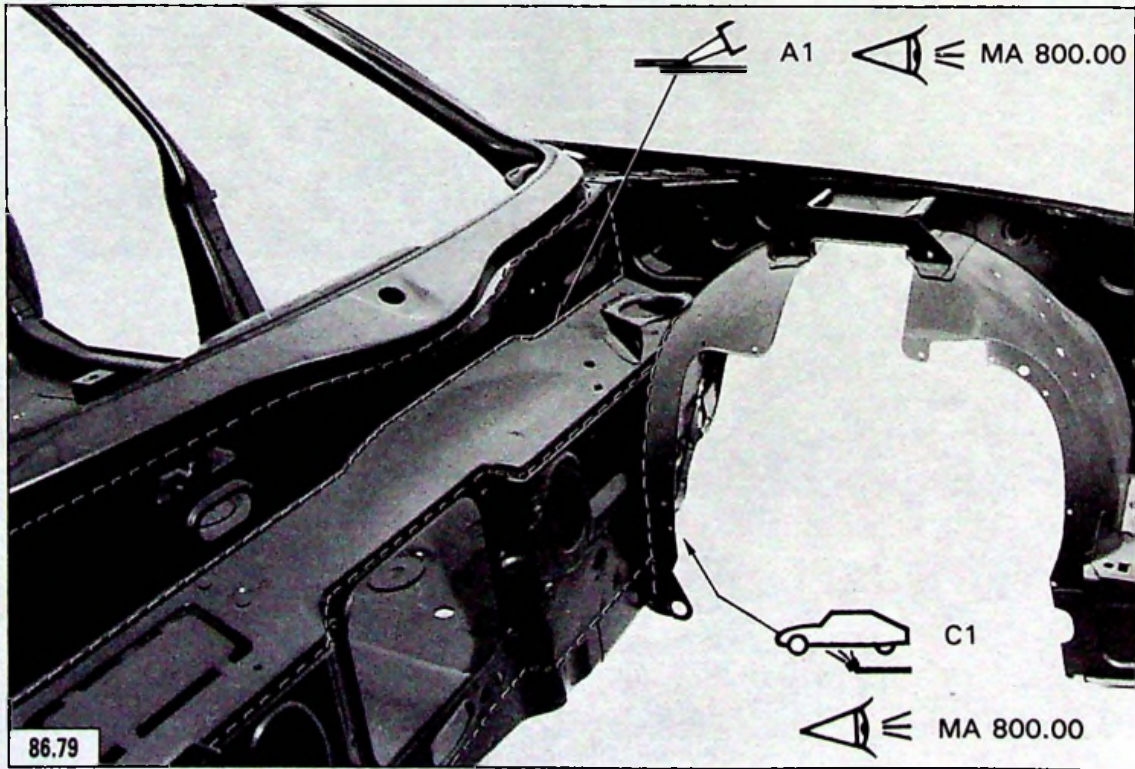
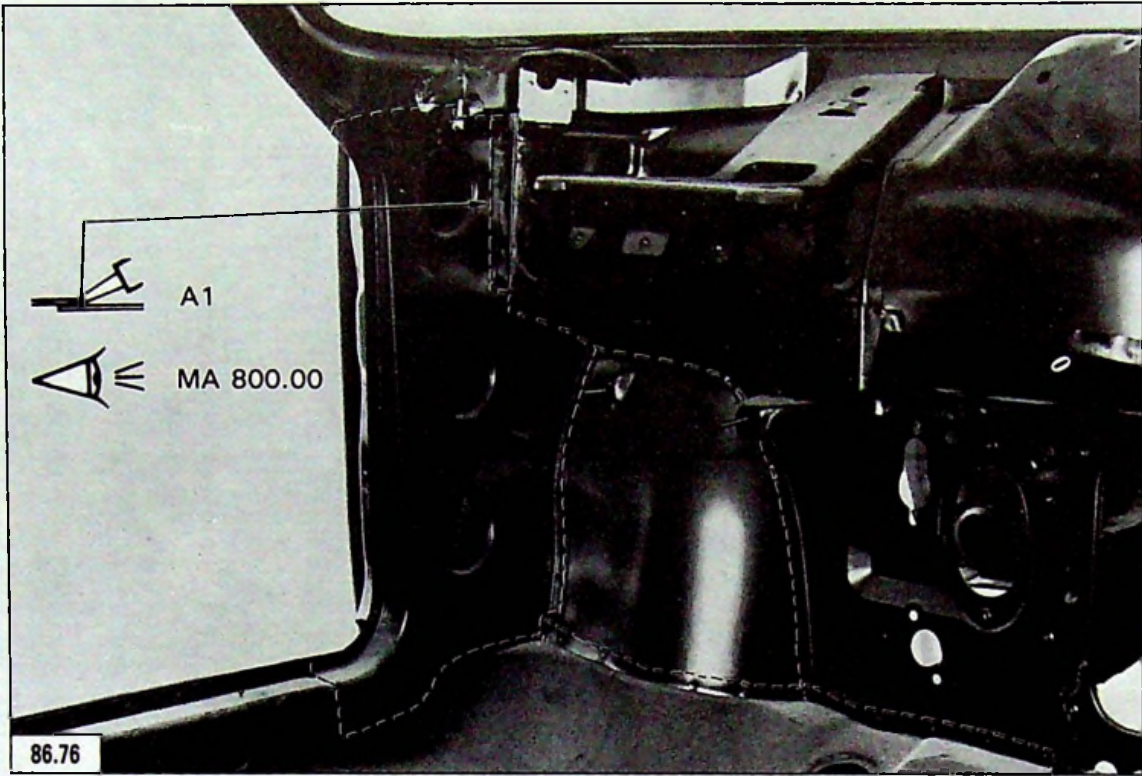
14



MA 801-1

5



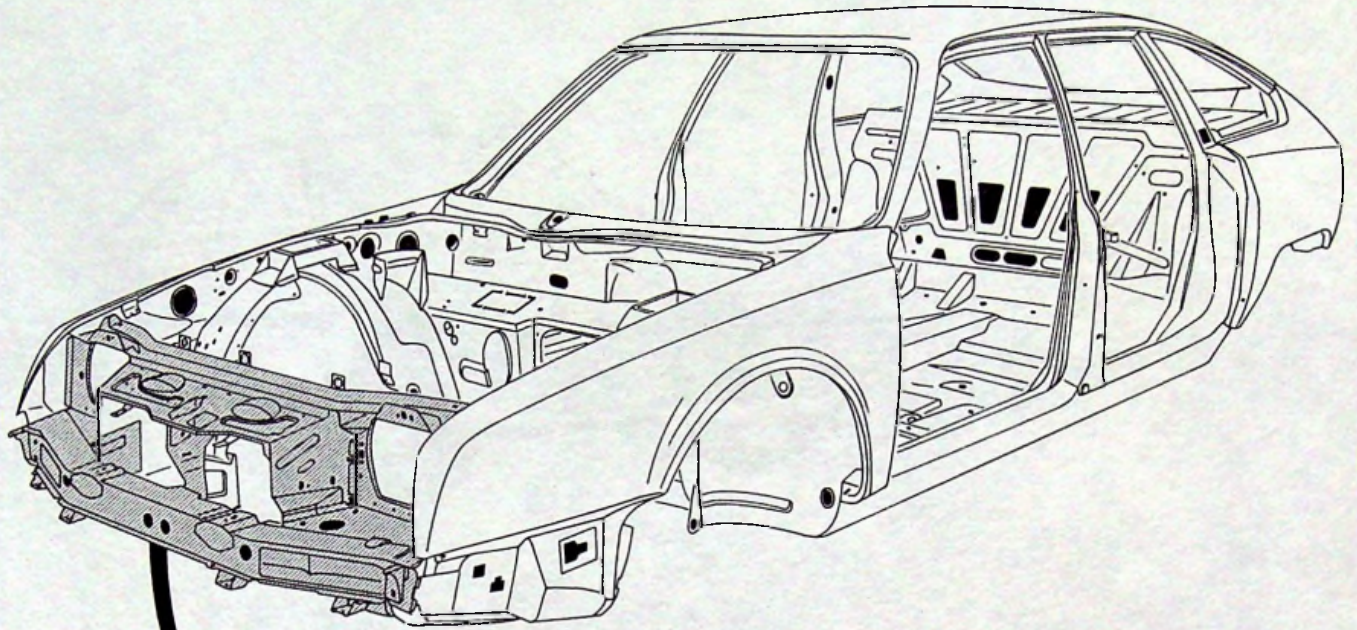




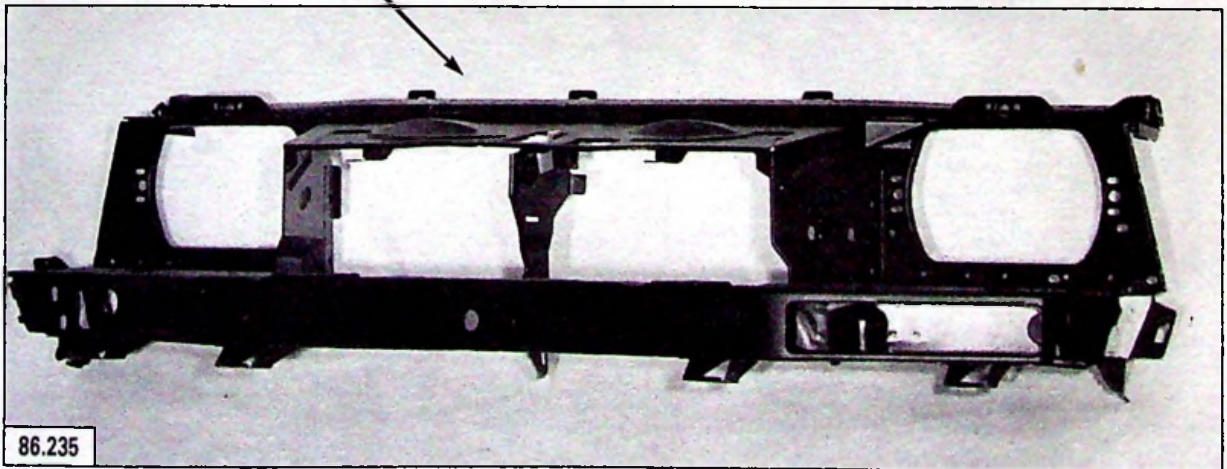
14

MA
801-2

1

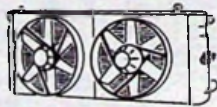
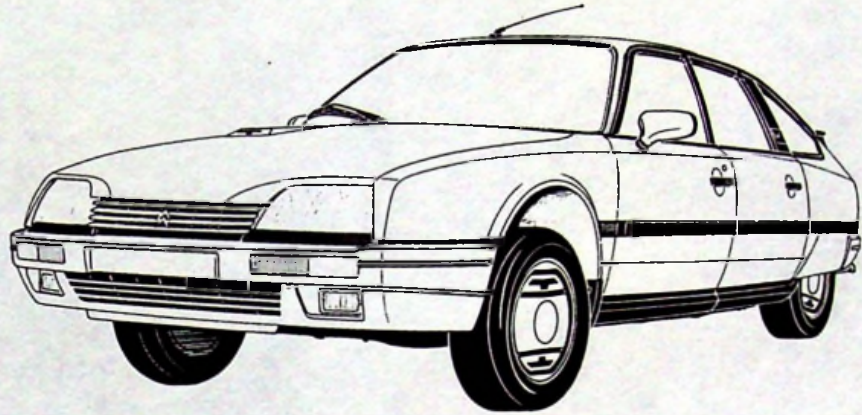
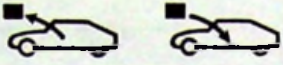


L 80.90



86.235

*

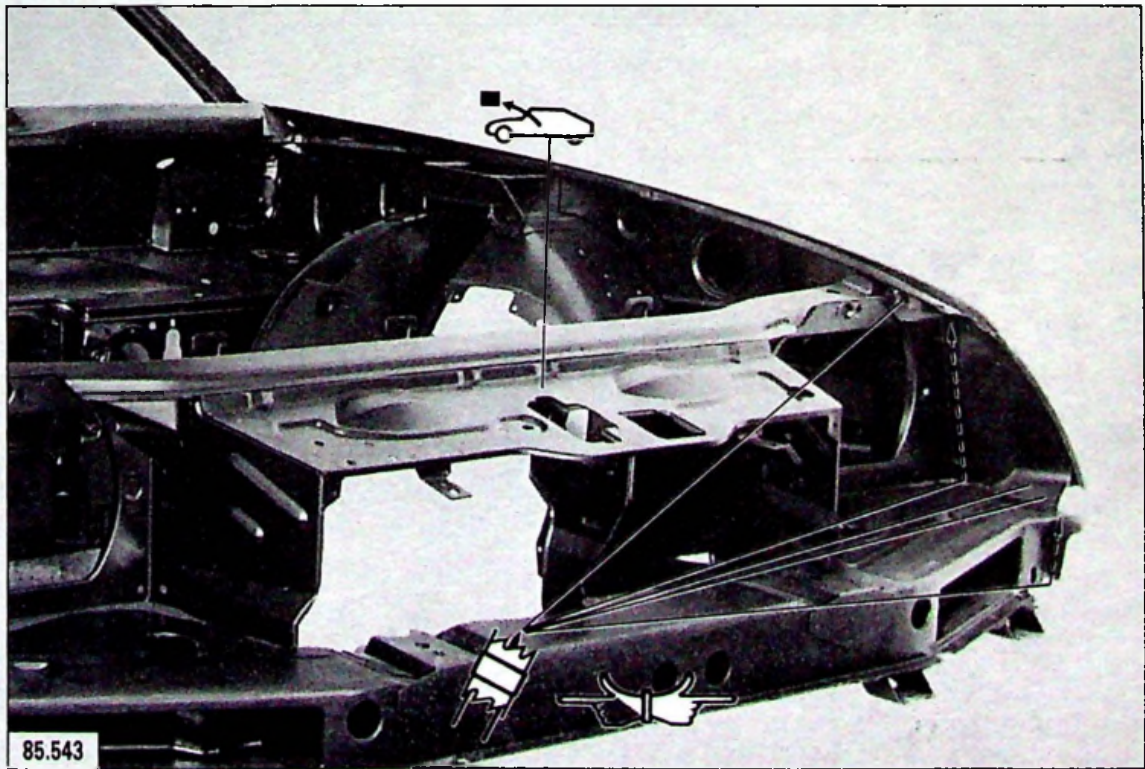
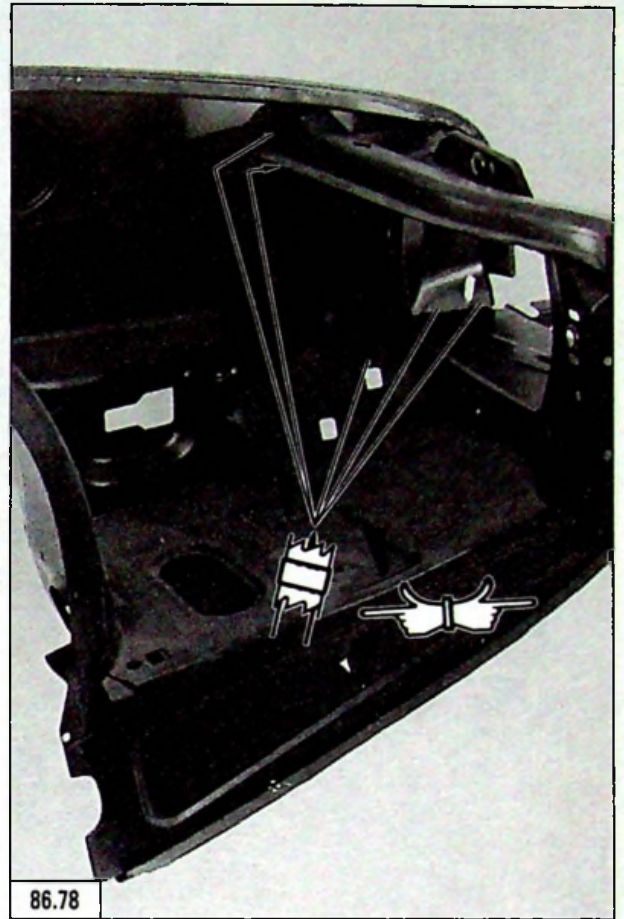
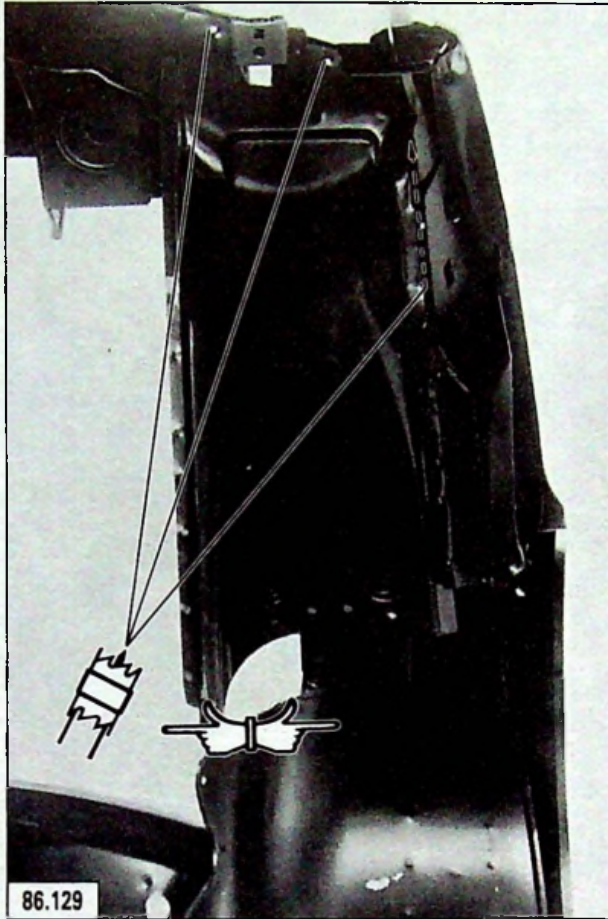




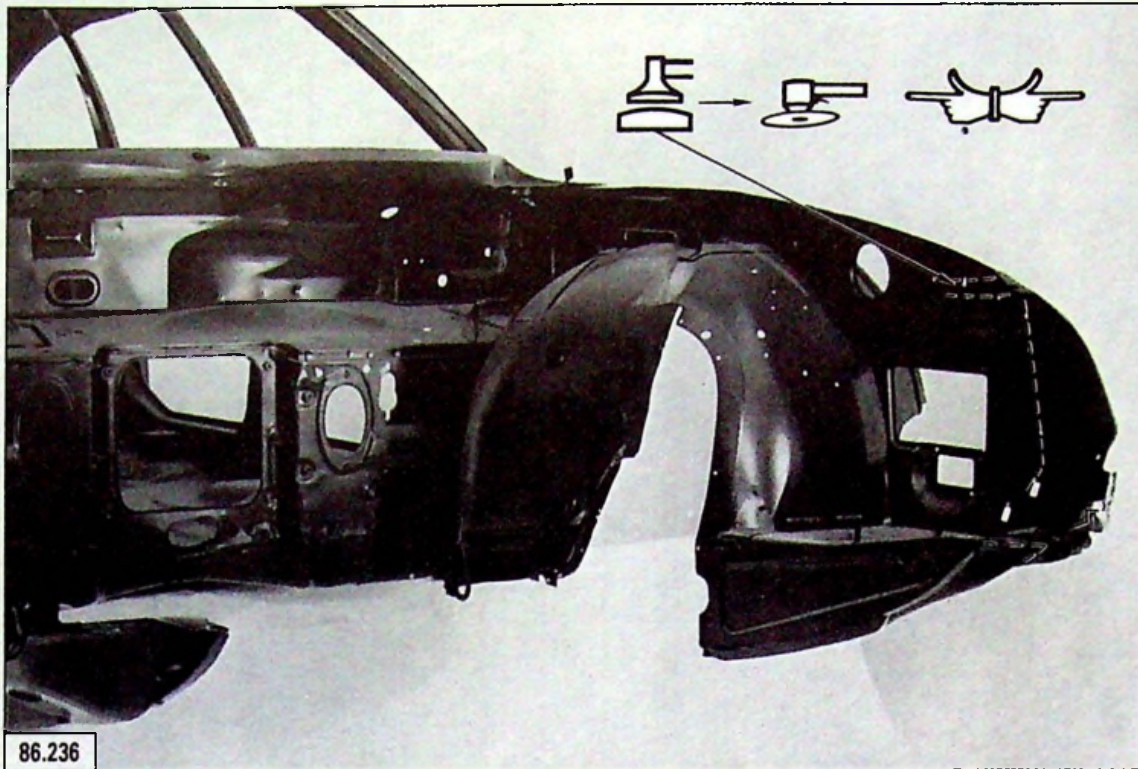
14

MA
801-2

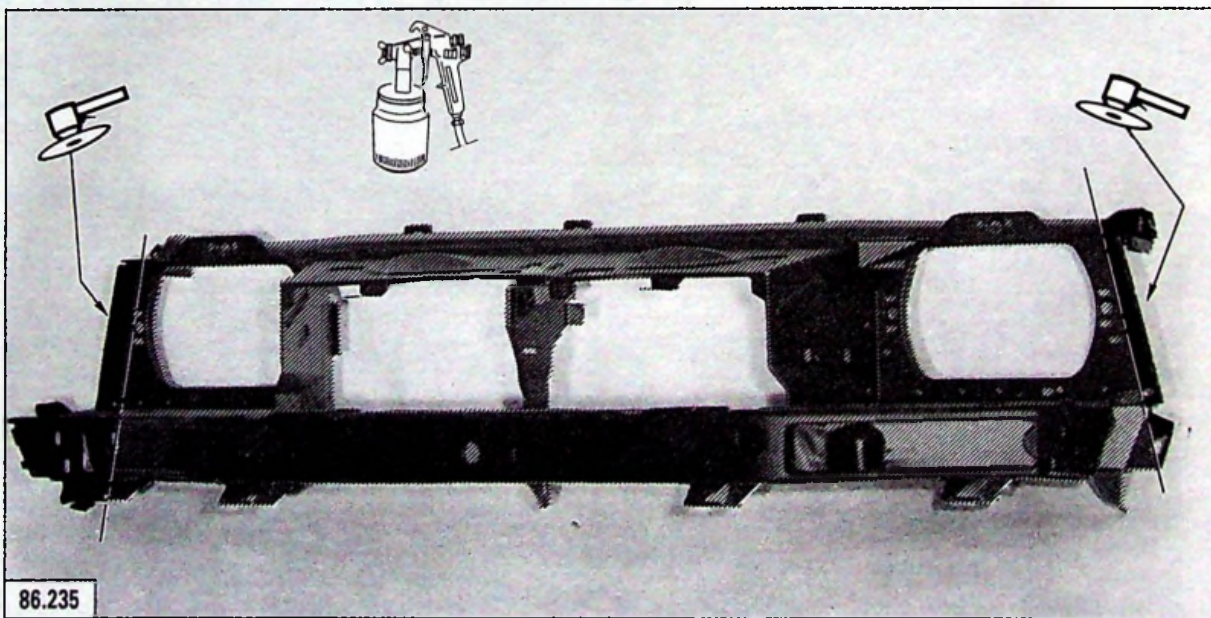
3



*



86.236



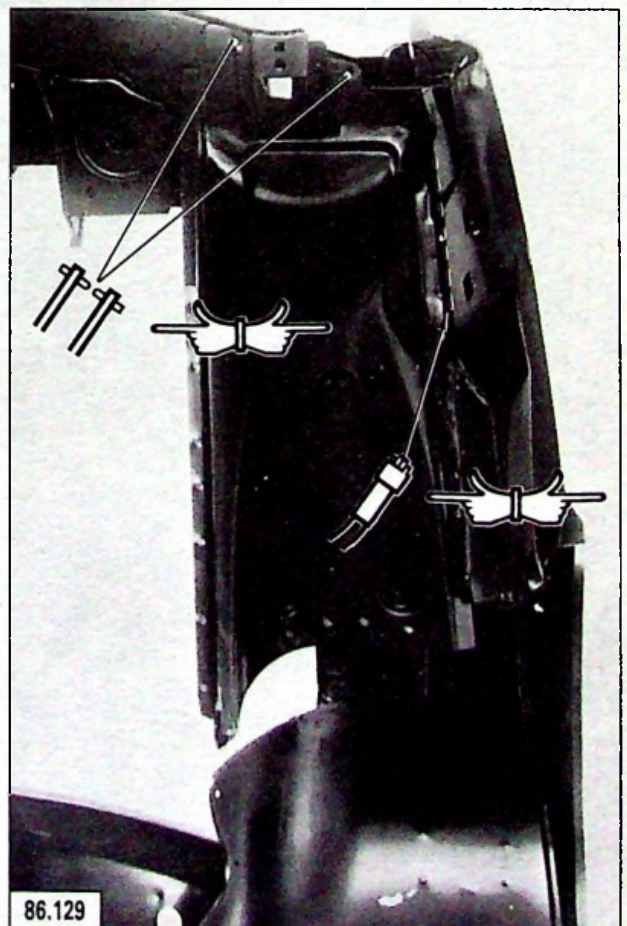
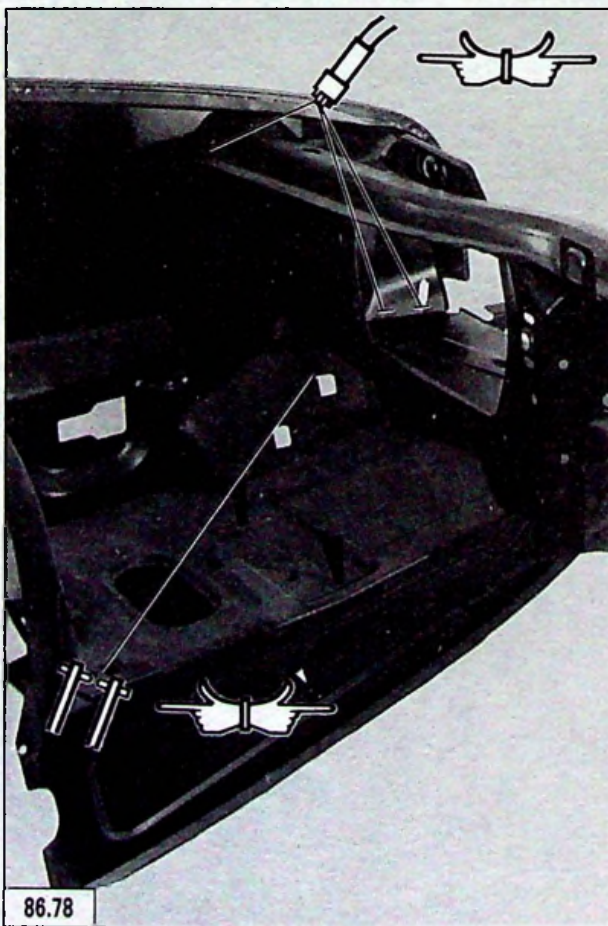
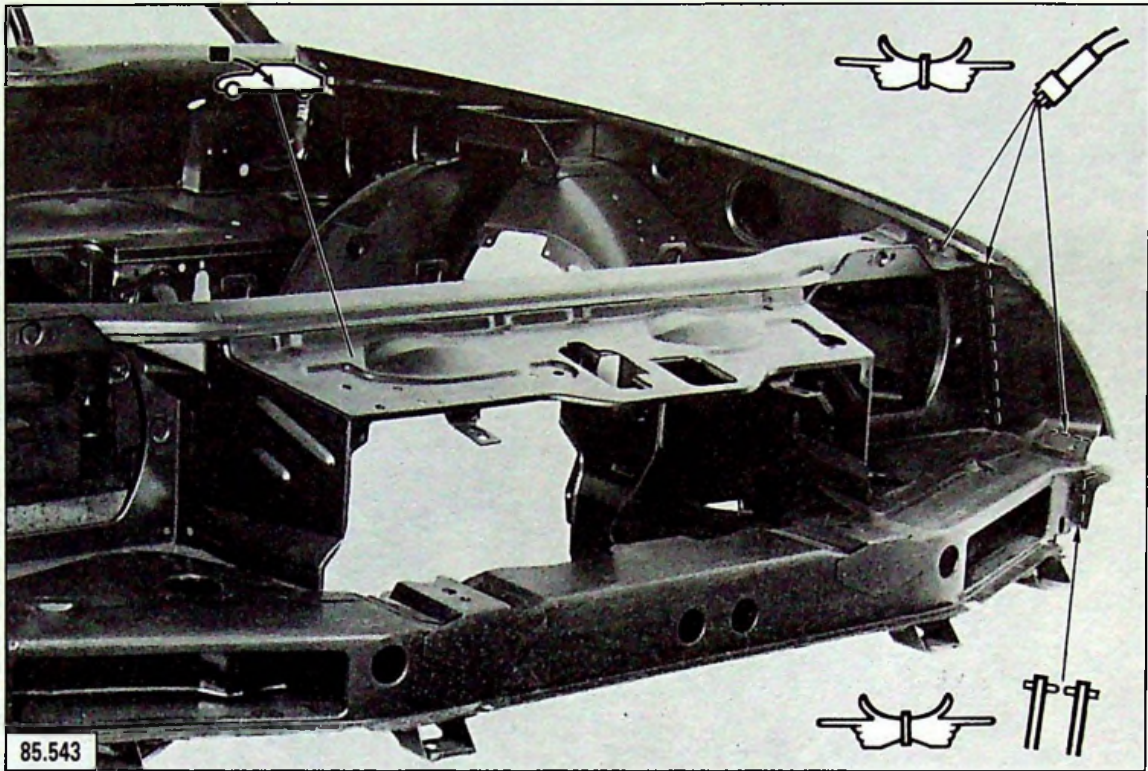
86.235



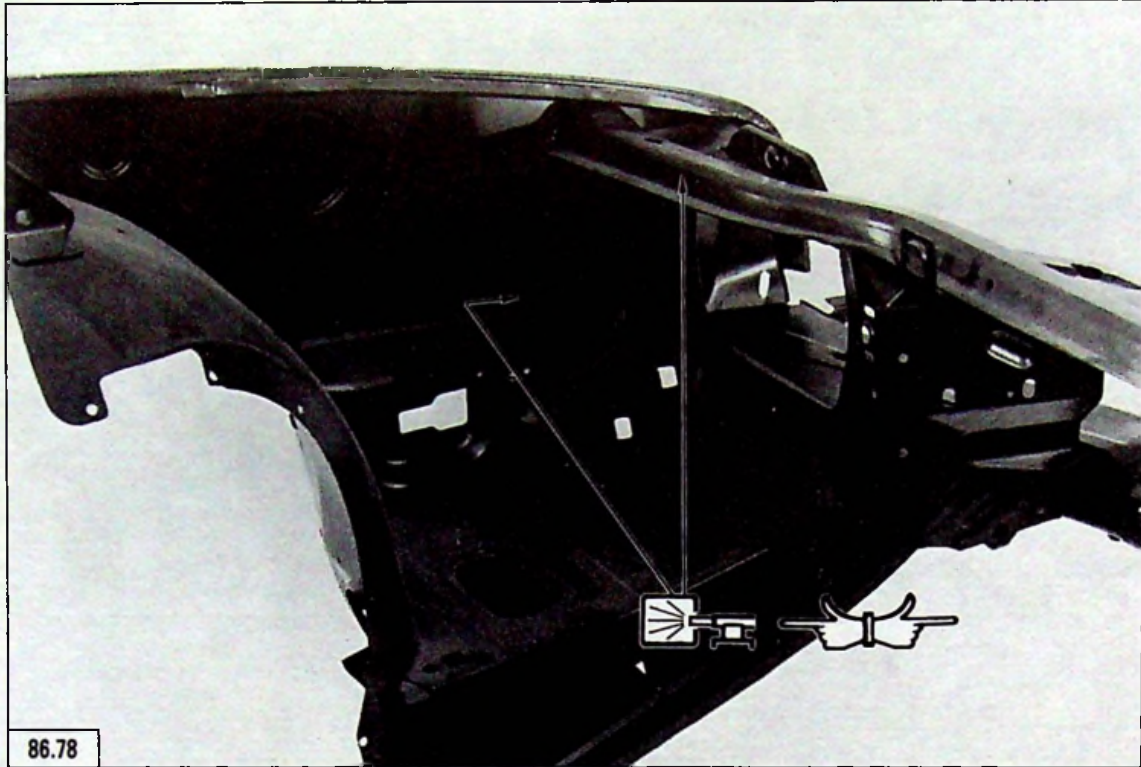
14

MA
801-2

5



*

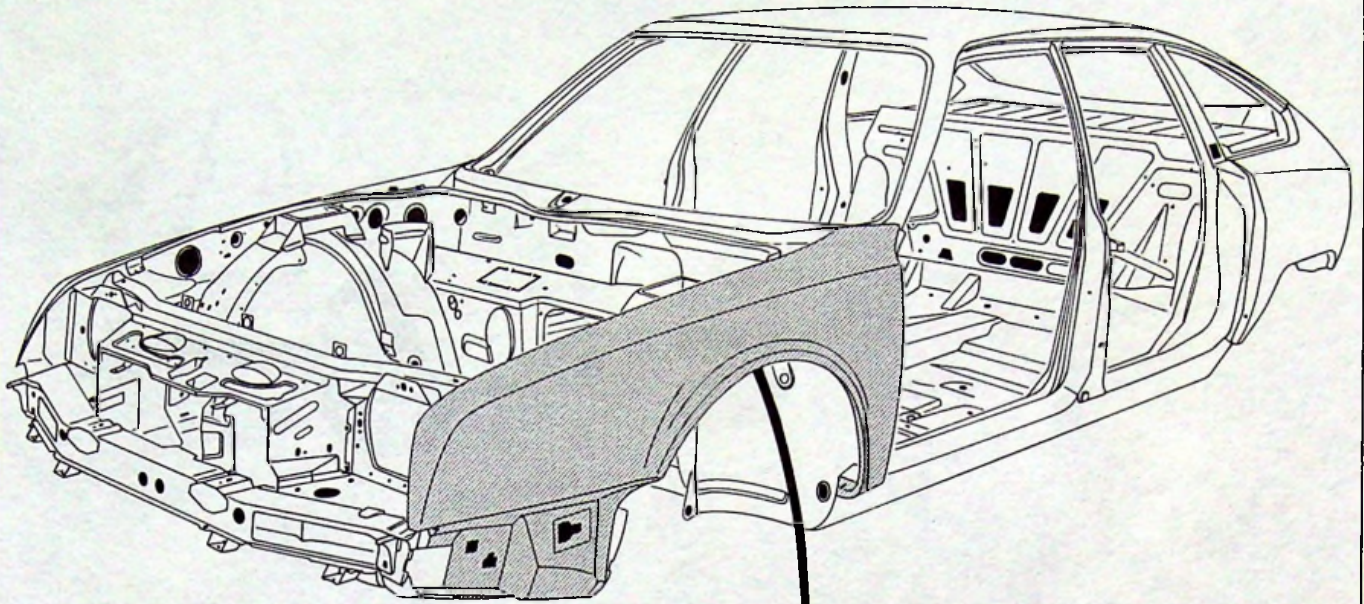




14

MA
802-1

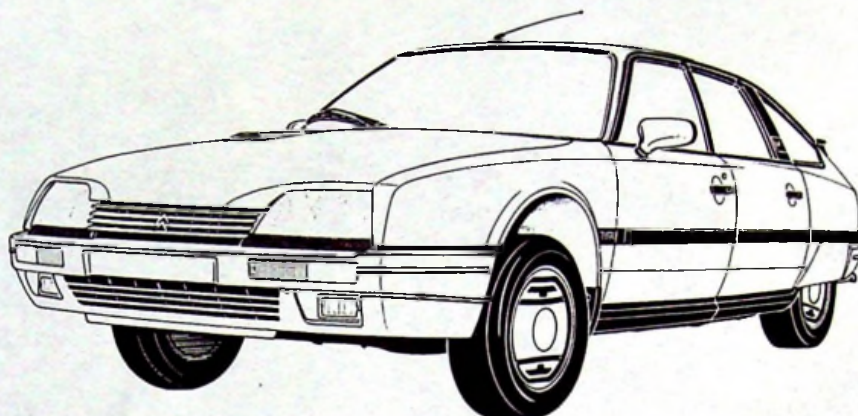
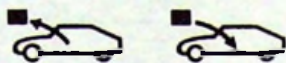
1



L 80.90



86.51

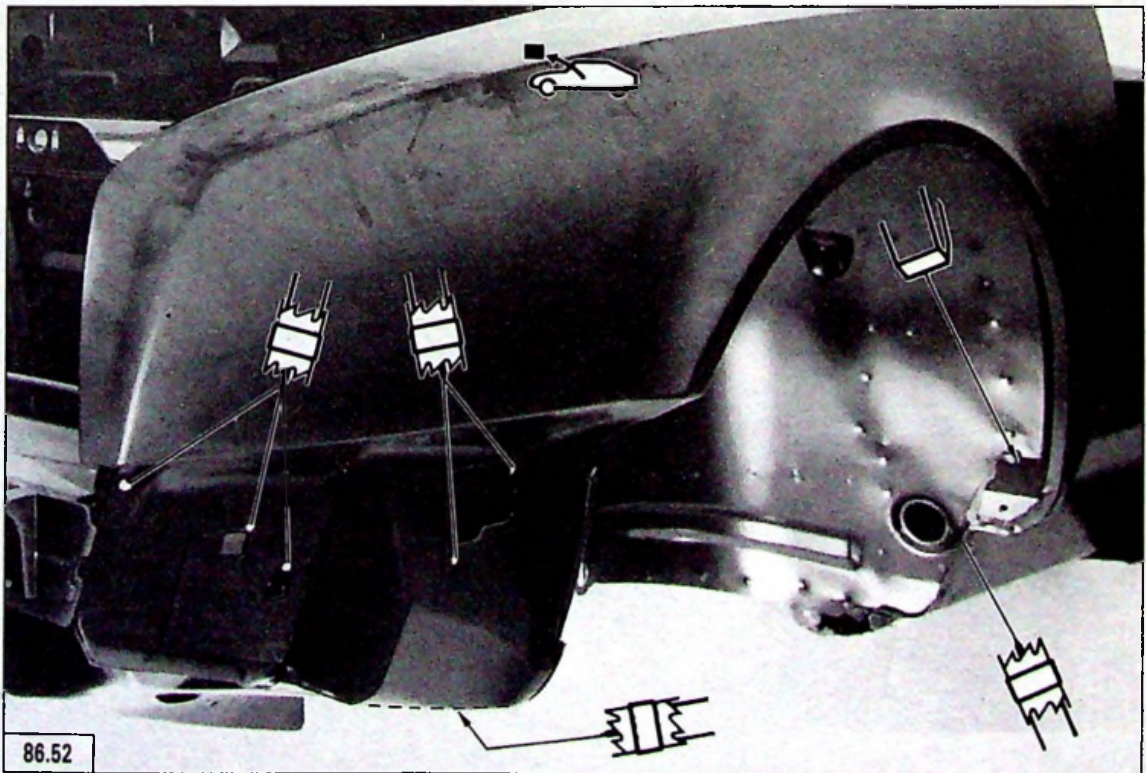
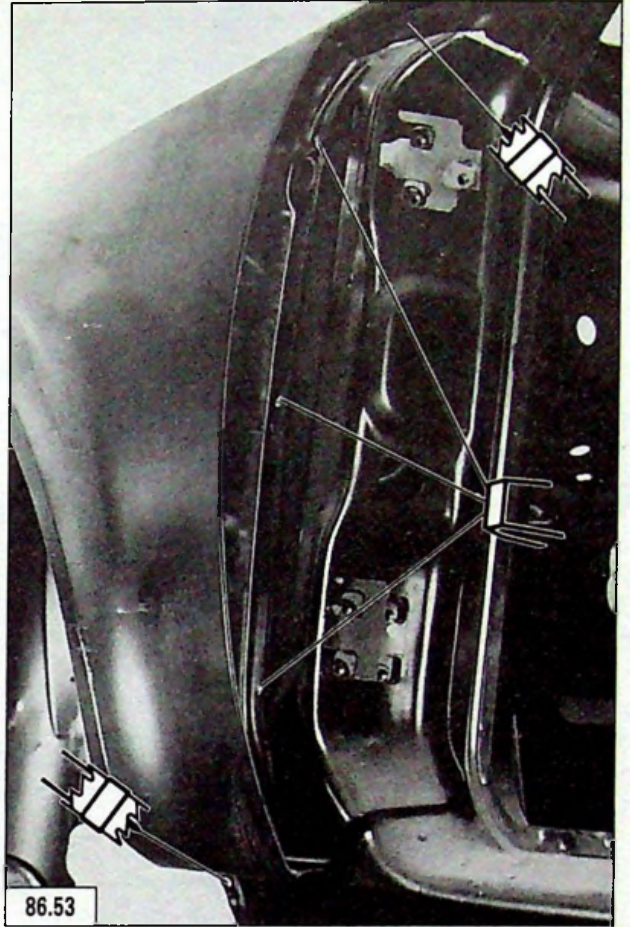
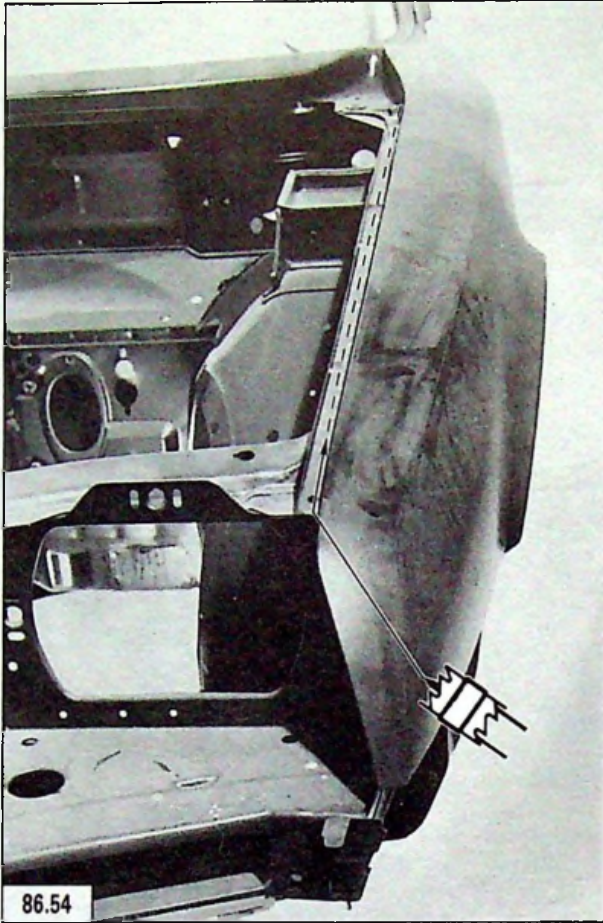




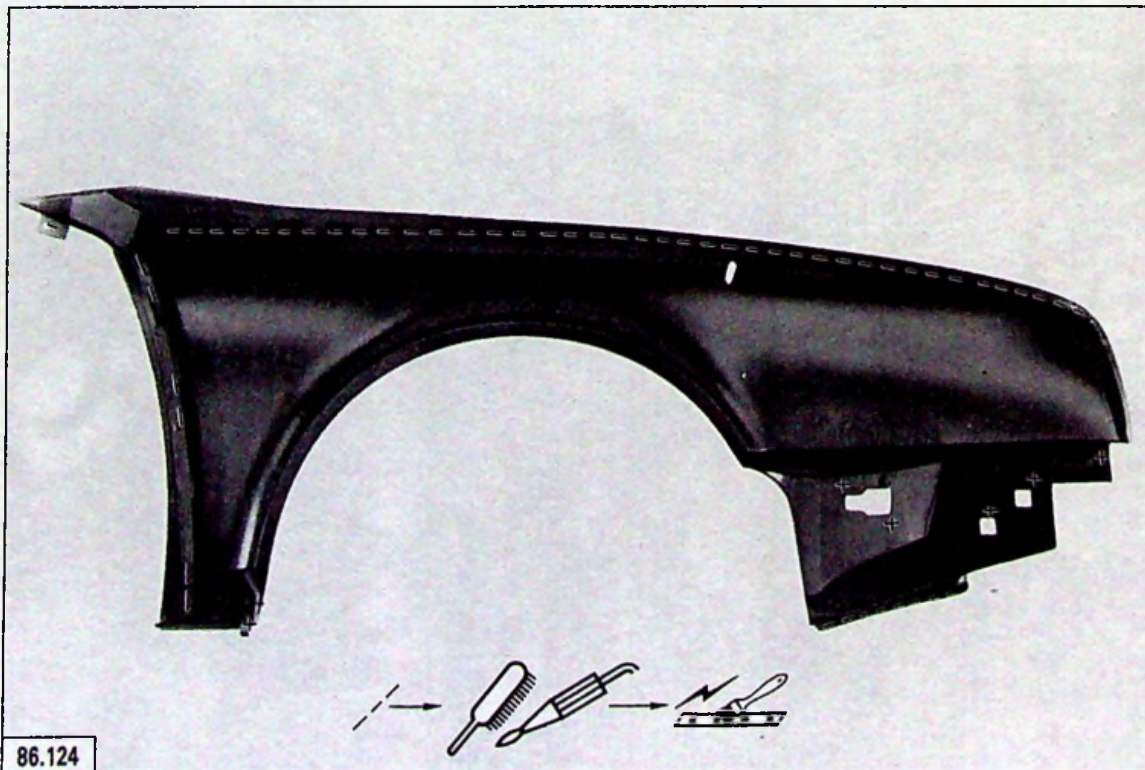
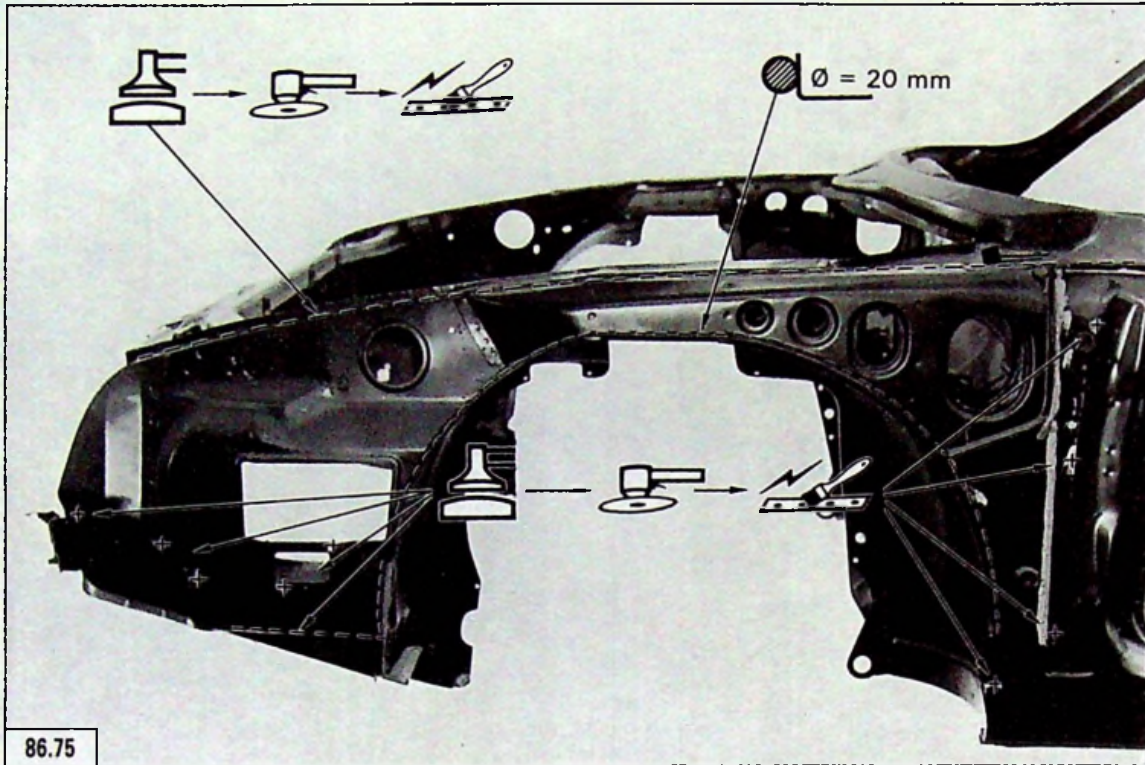
14

MA
802-1

3



*

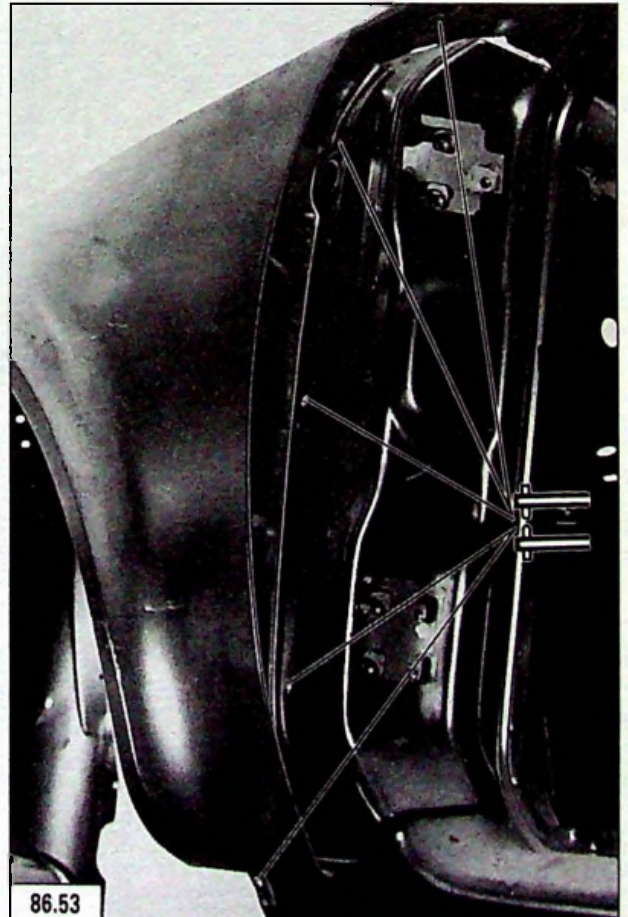
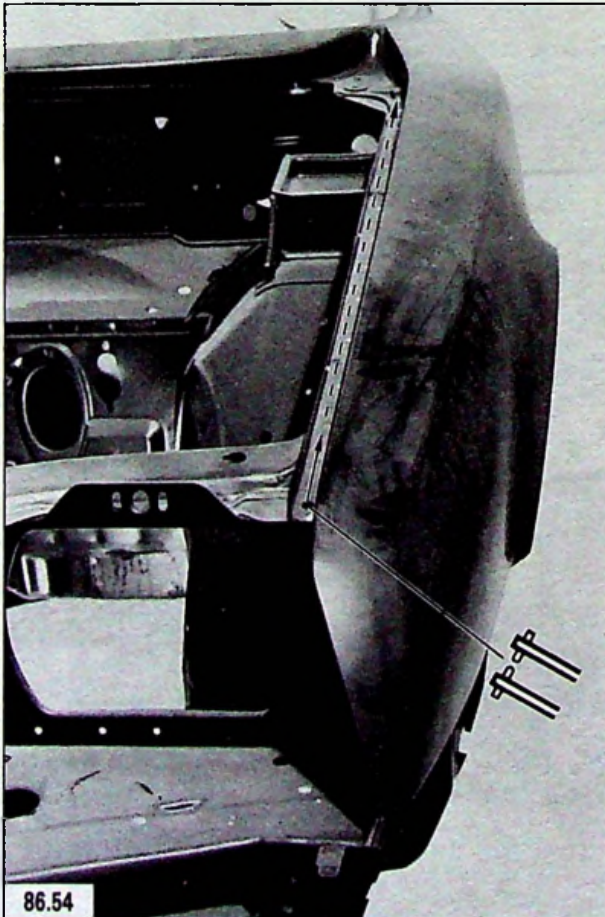
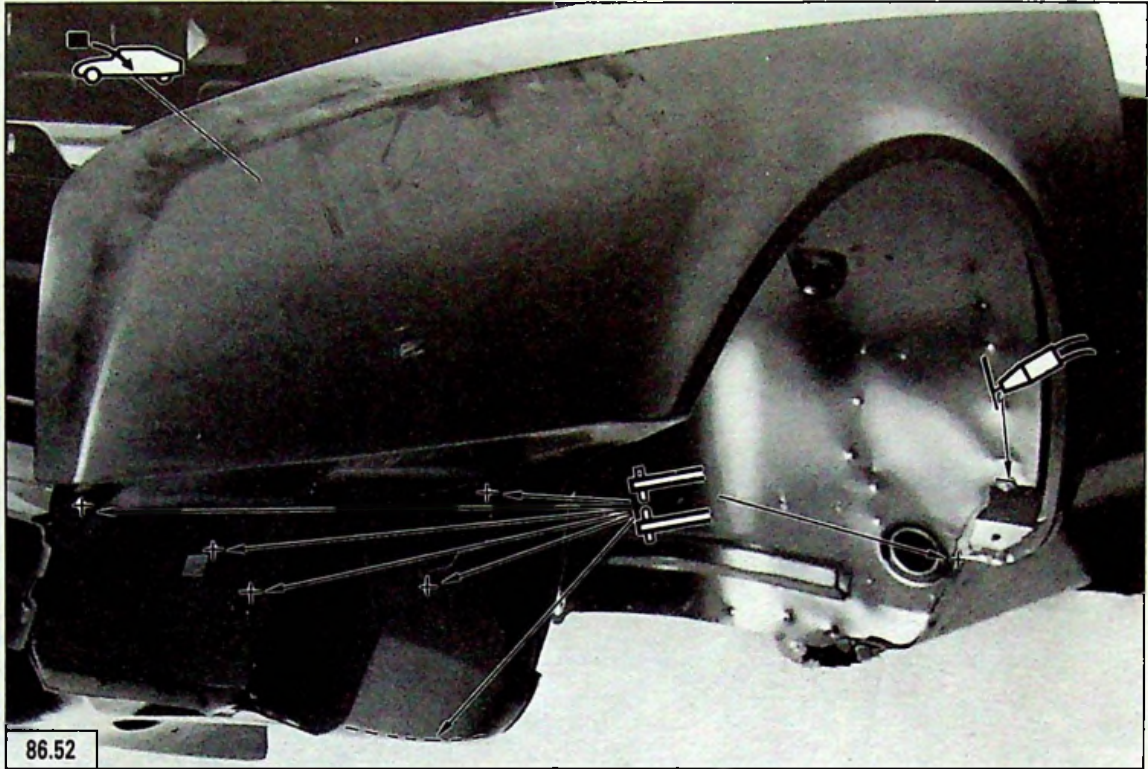




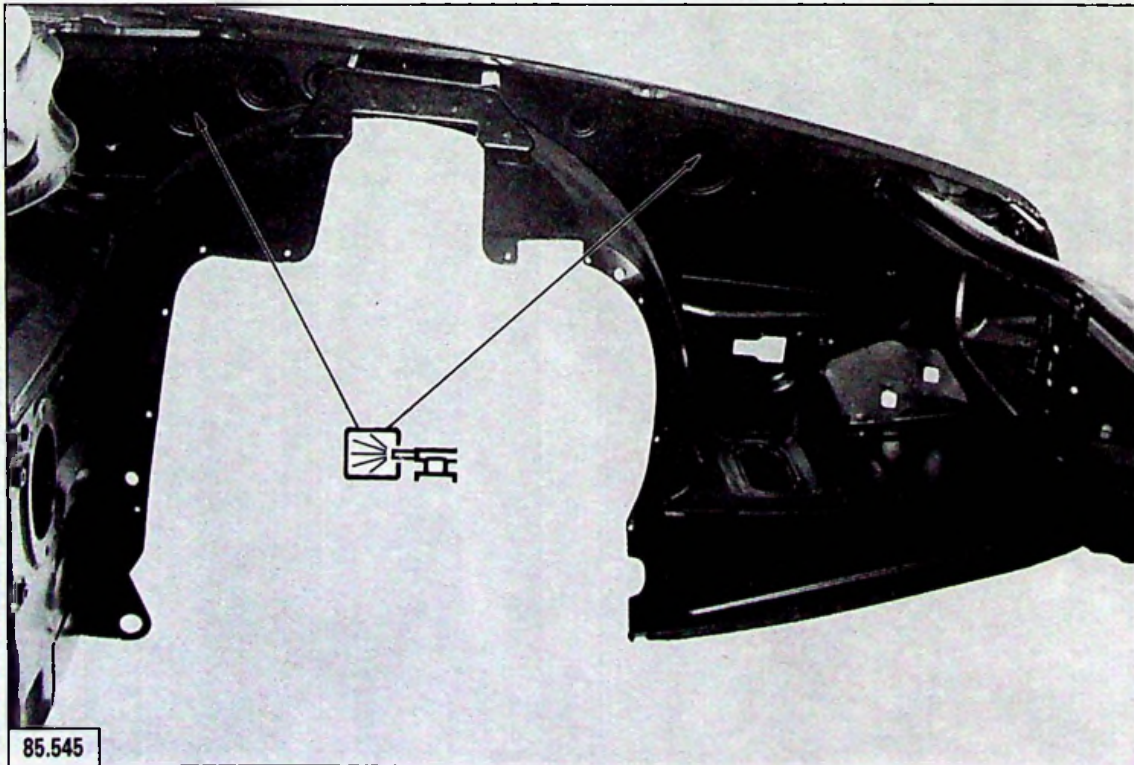
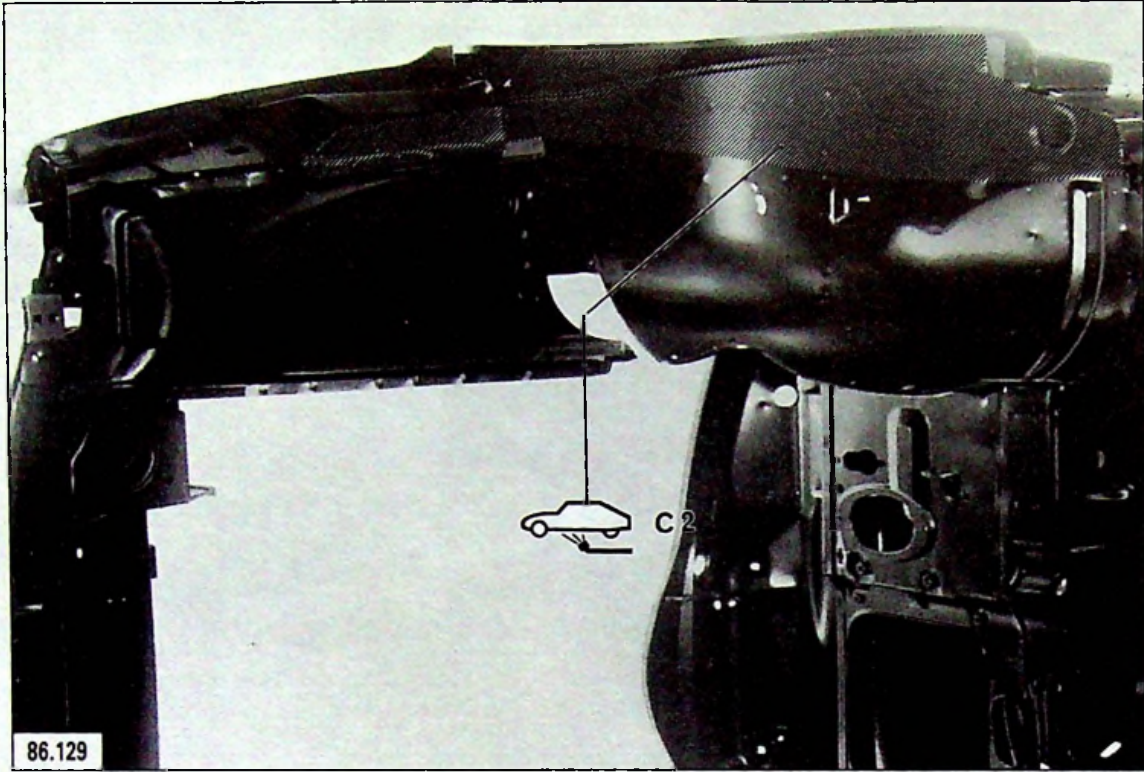
14

MA
802-1

5

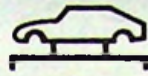


*



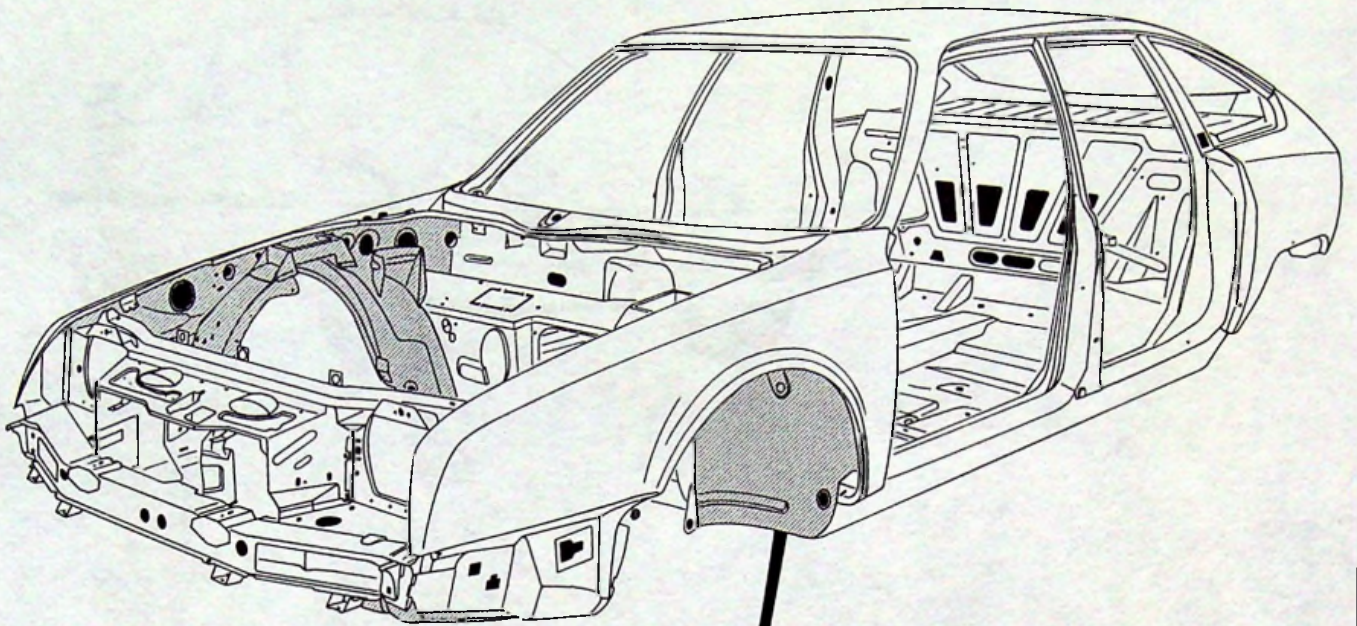


14

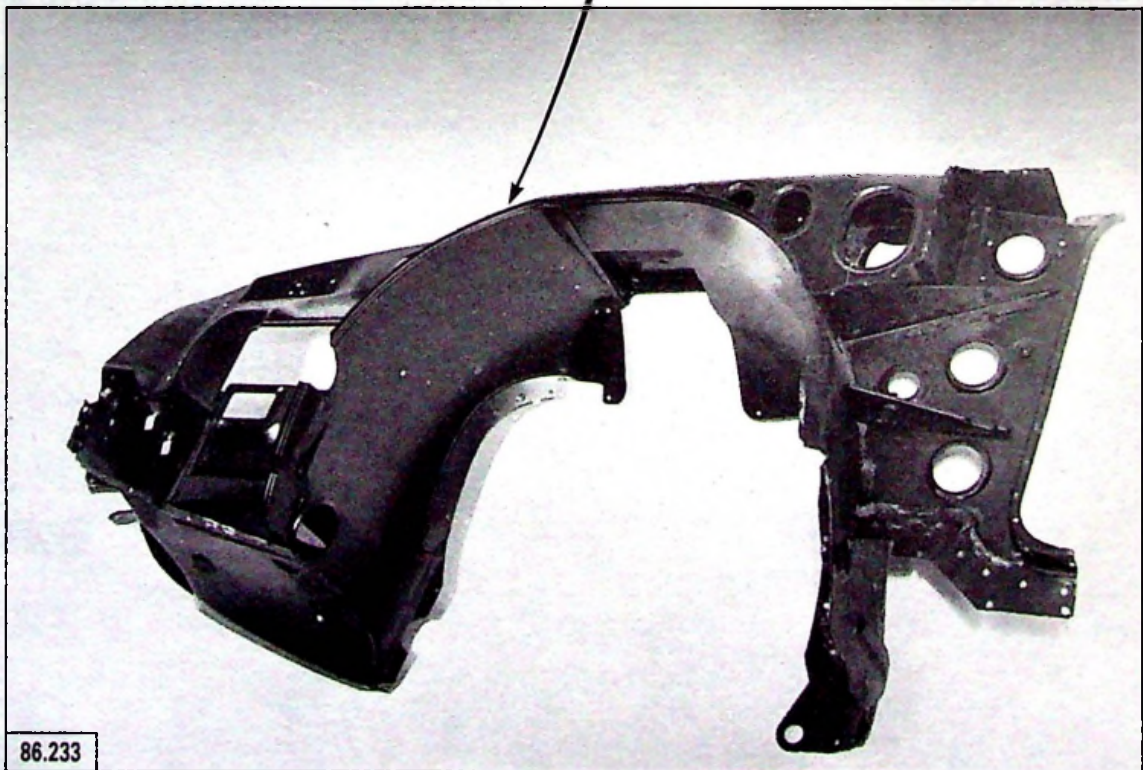


MA
802-2

1

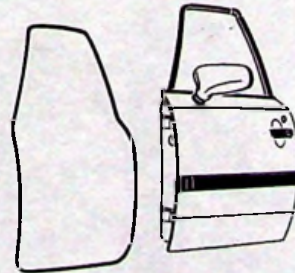
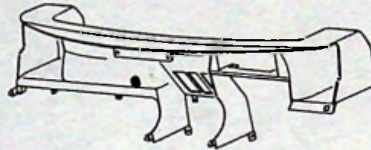
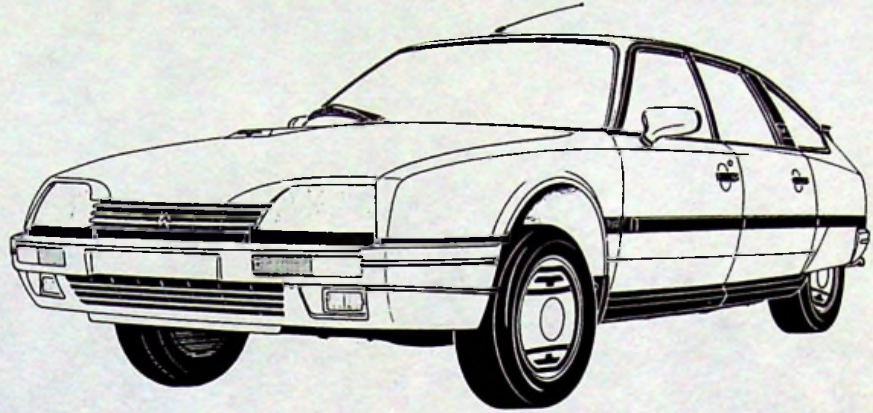
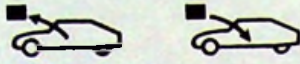
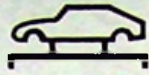


L 80.90



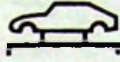
86.233

*



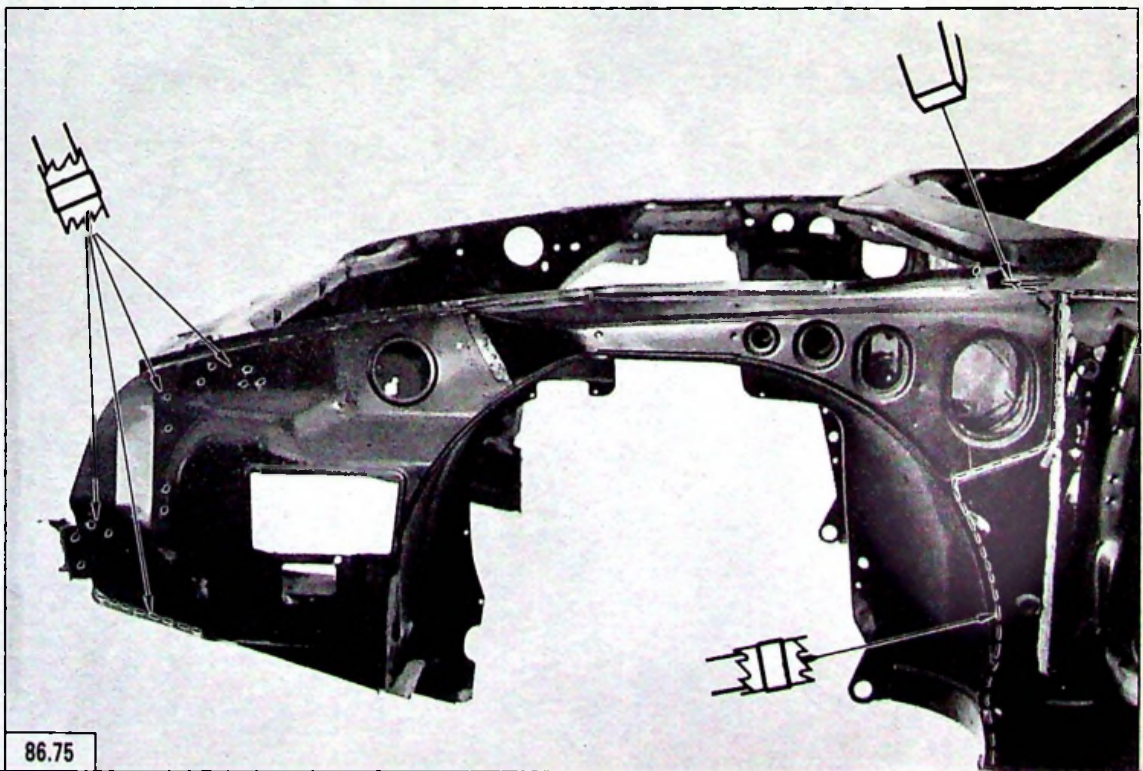
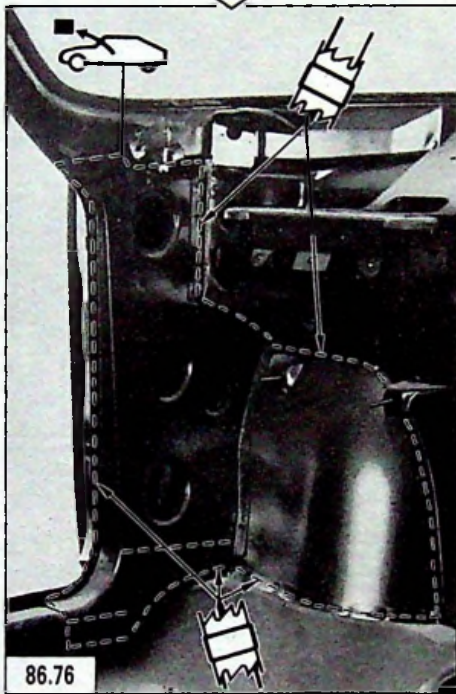
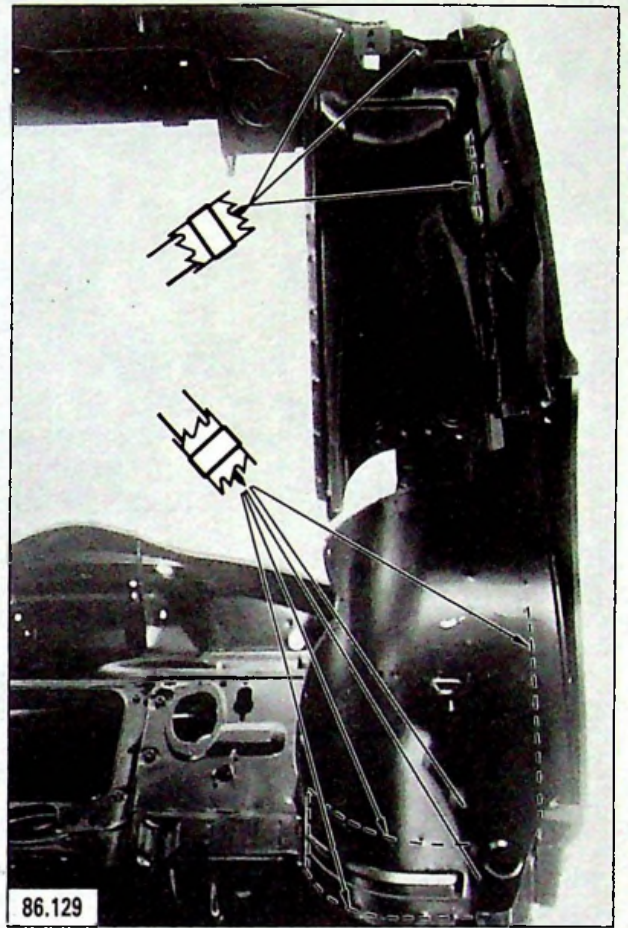
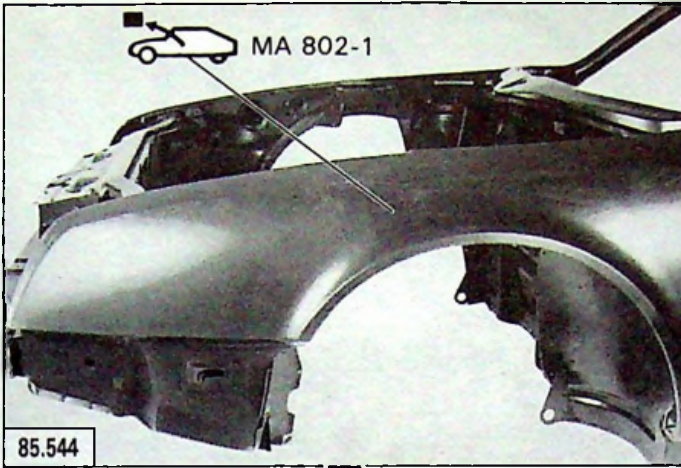


14

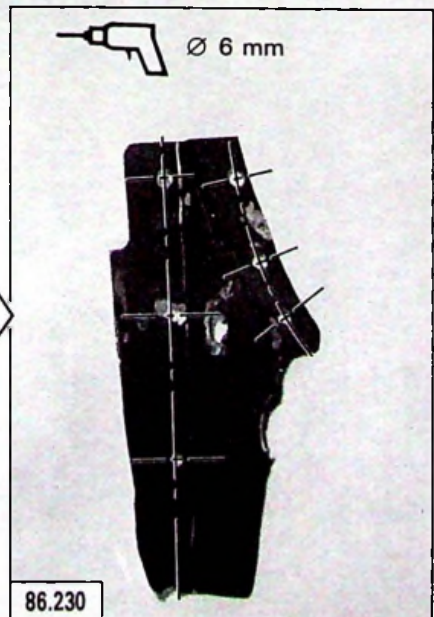
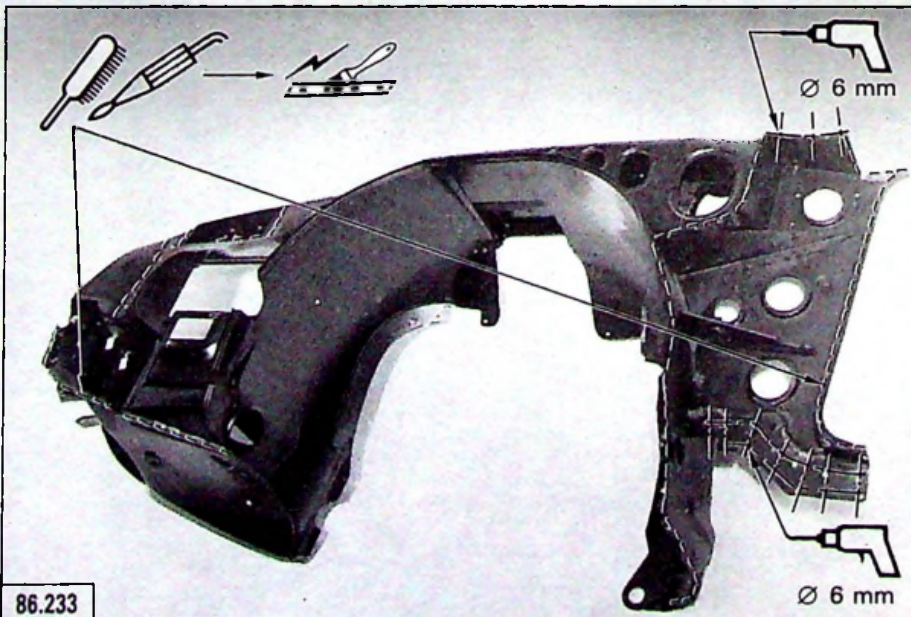
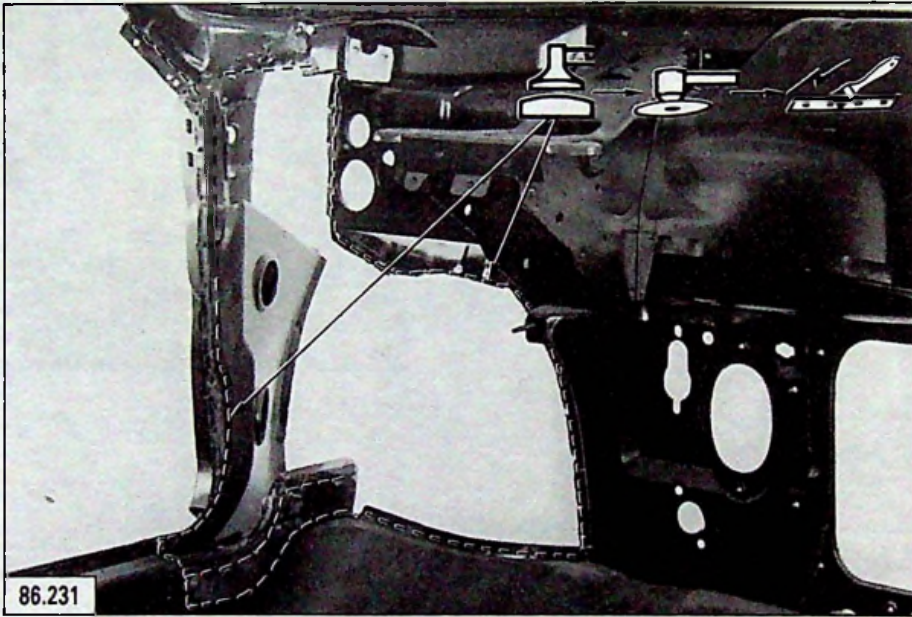
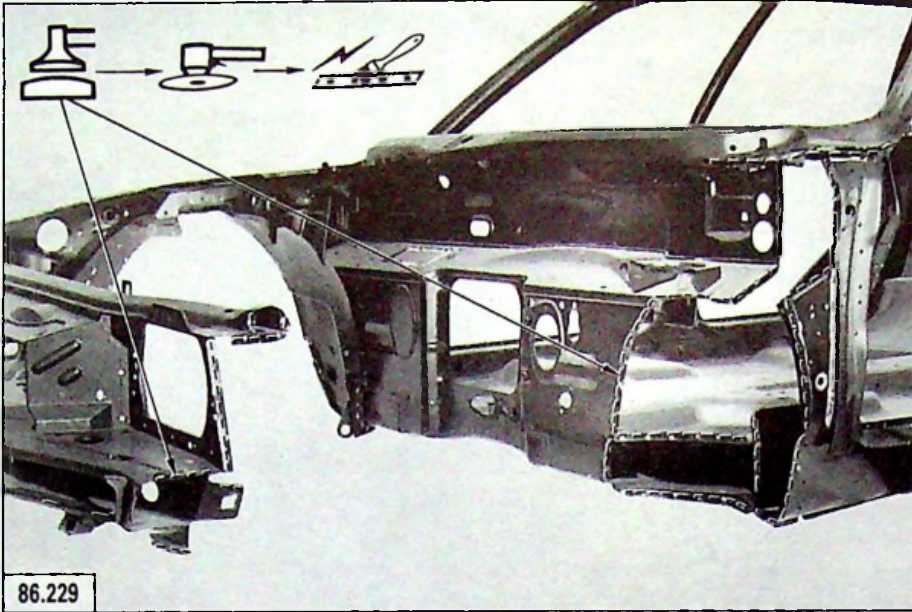


MA
802-2

3



*



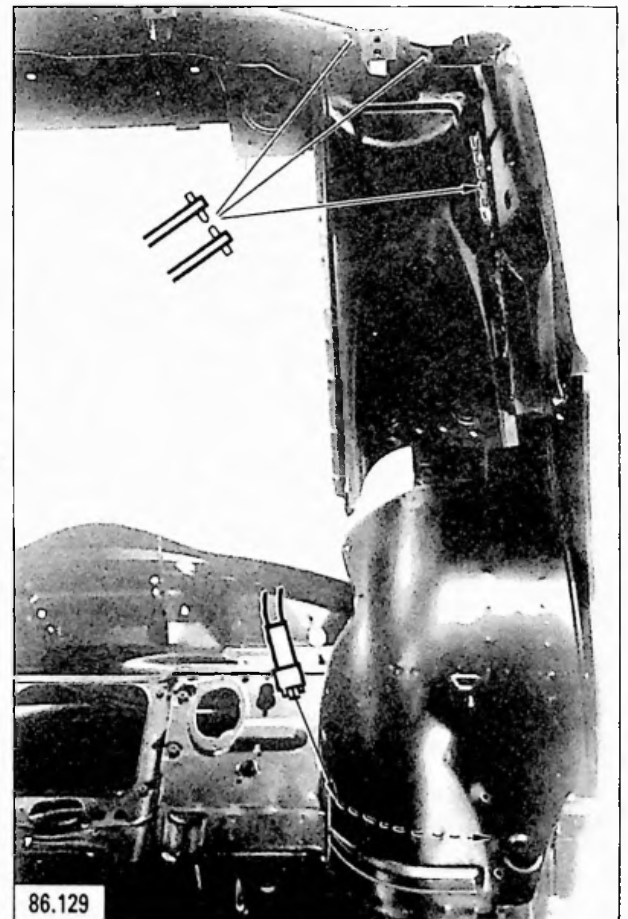
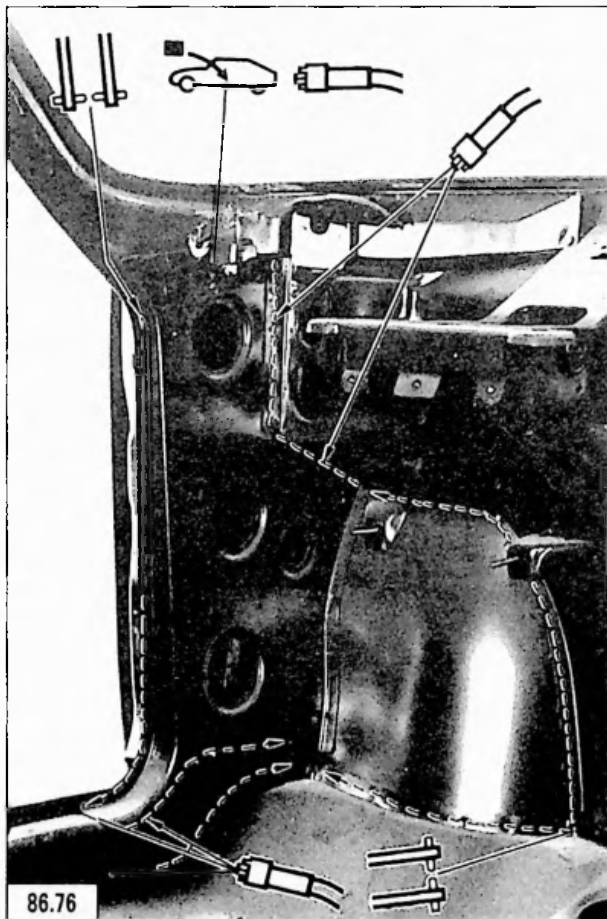
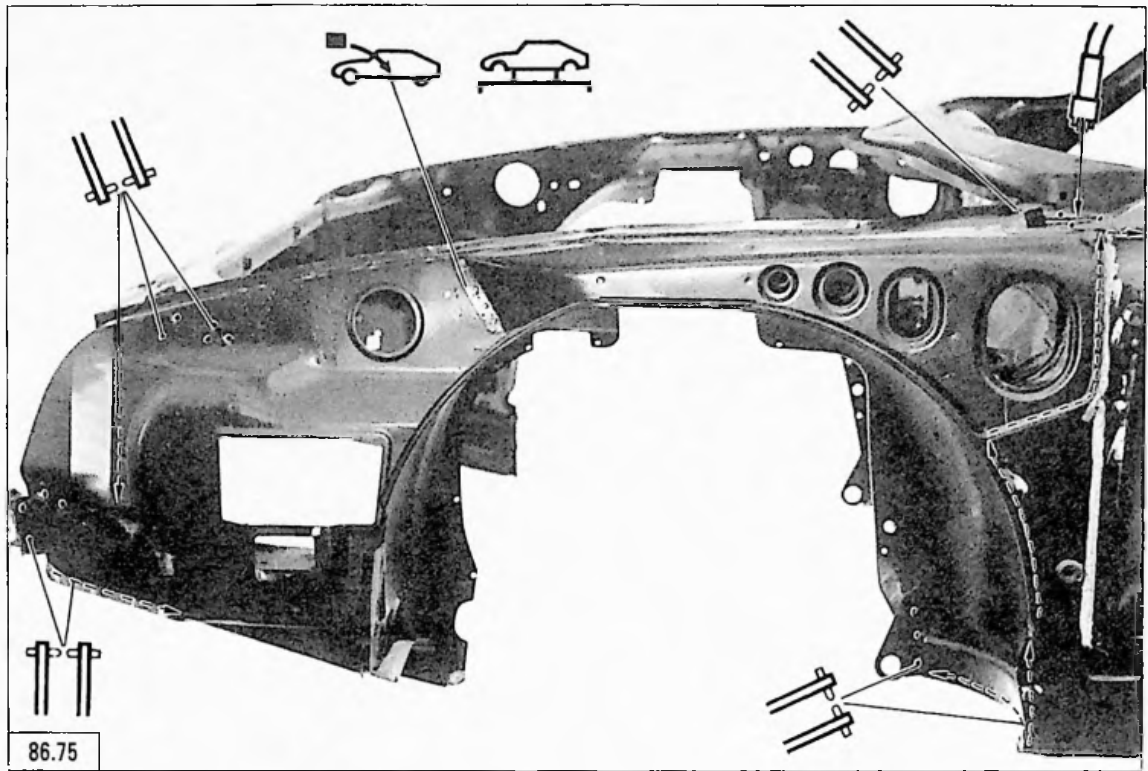


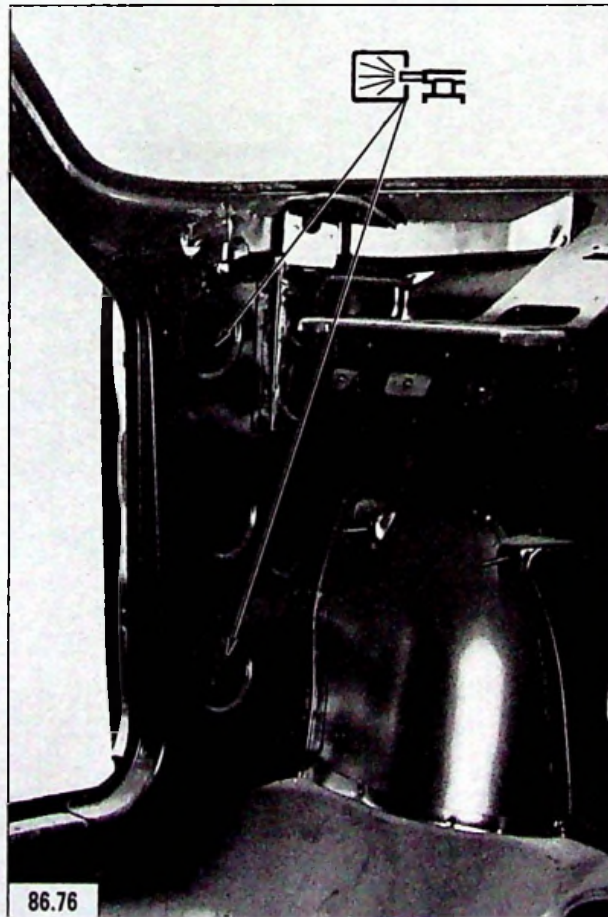
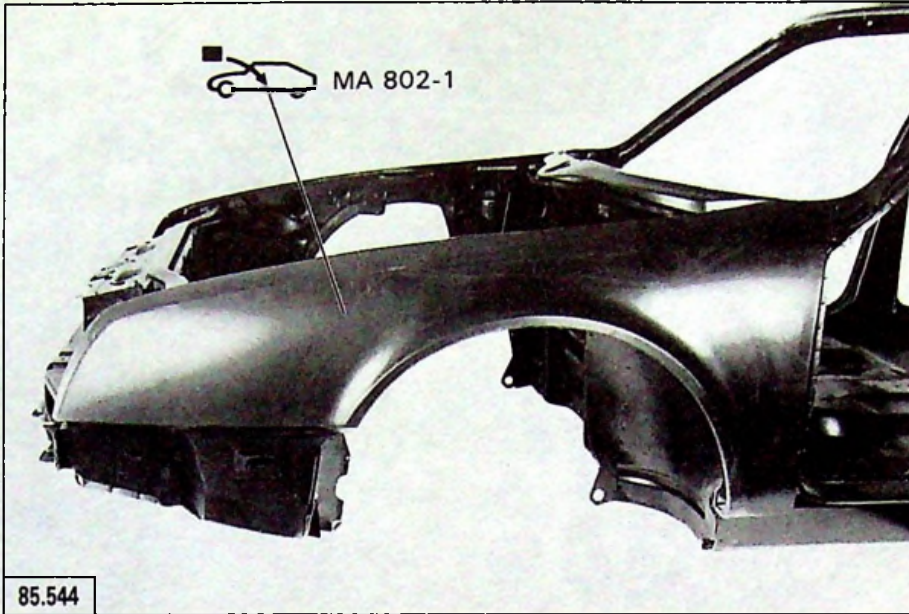
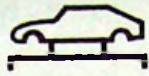
14



MA
802-2

5



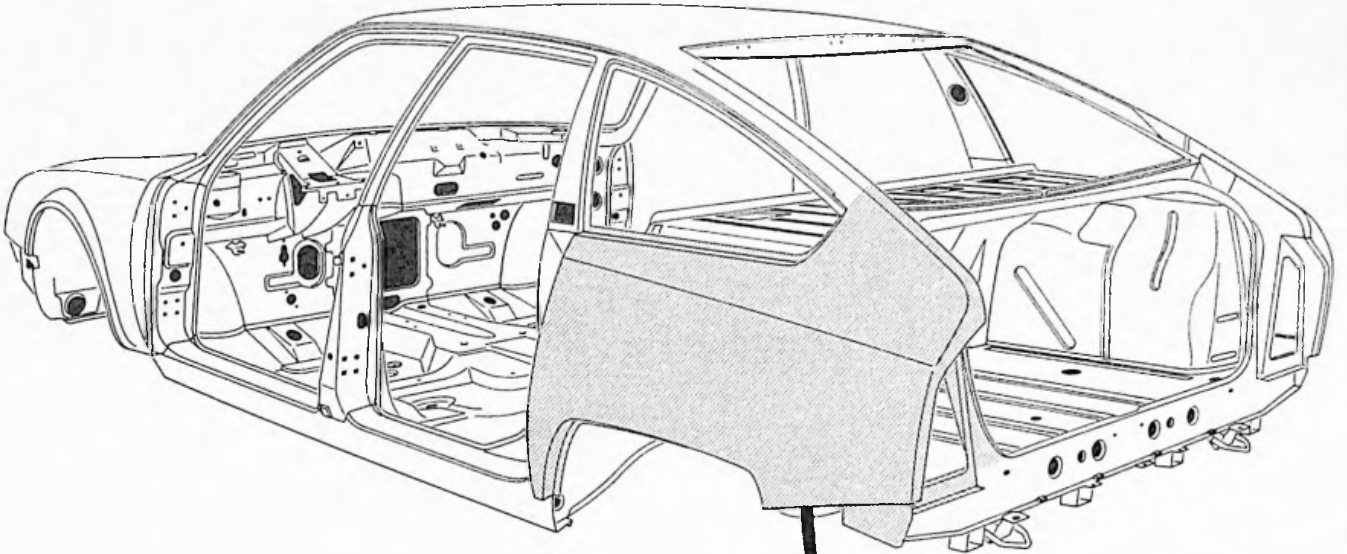




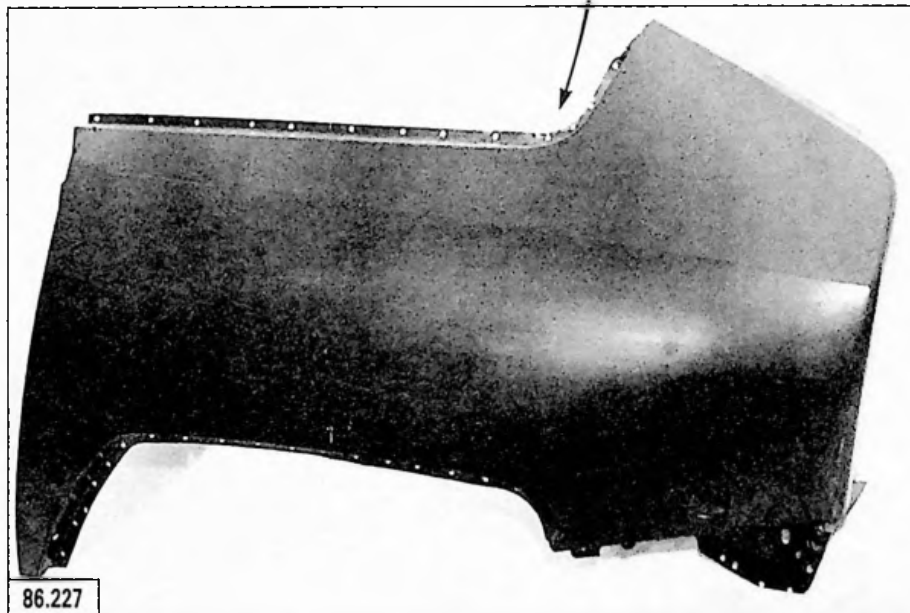
14

MA
824-1

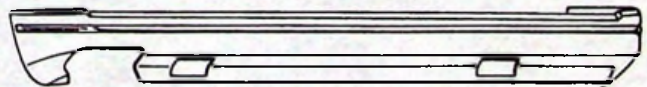
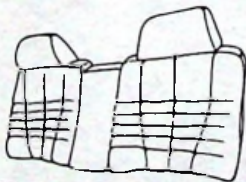
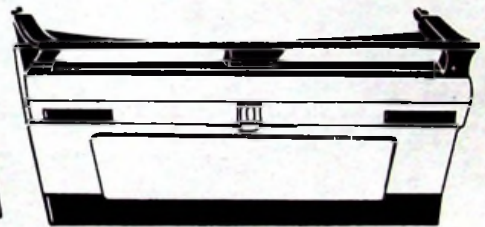
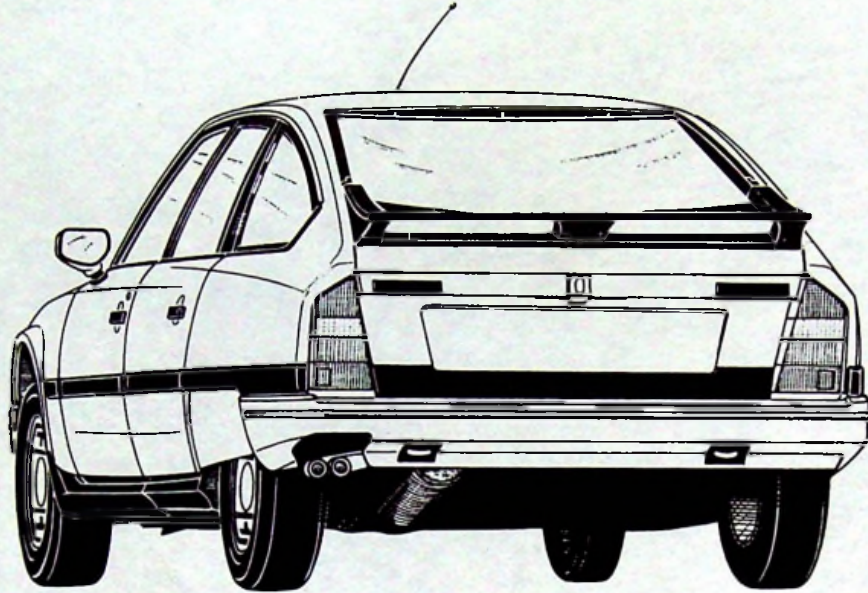
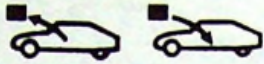
1



L 80.89



86.227

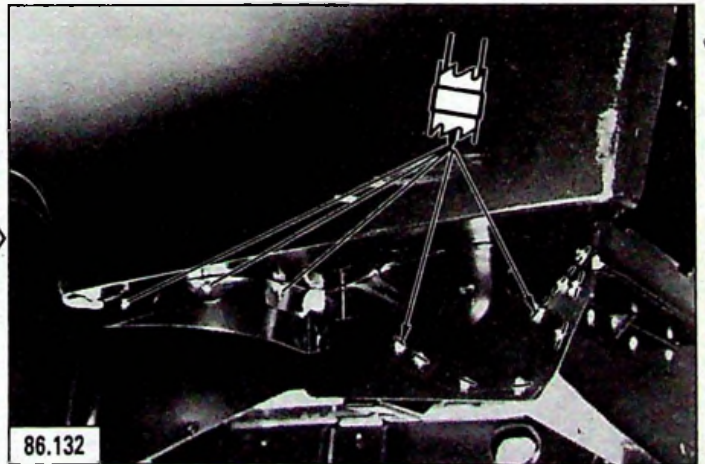
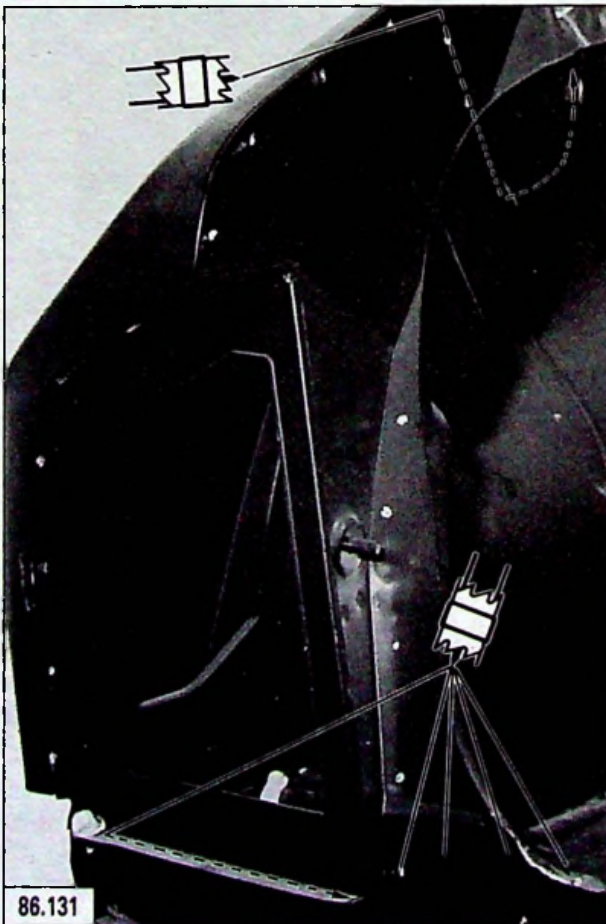
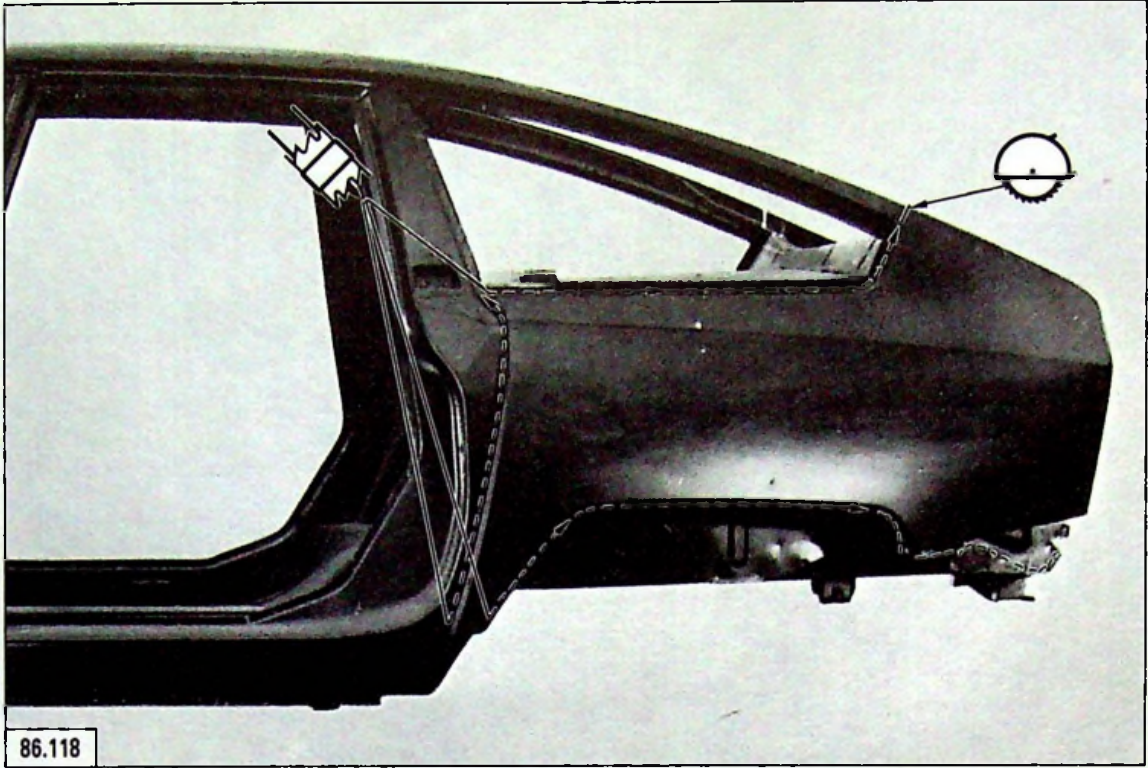




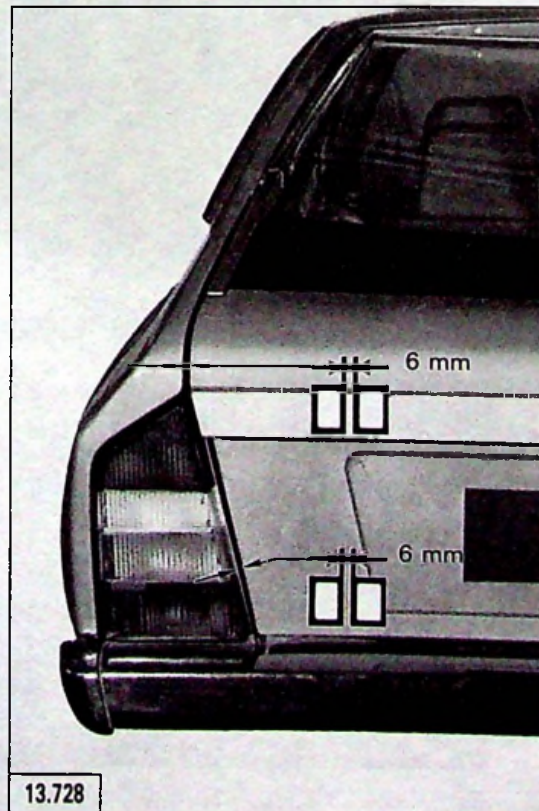
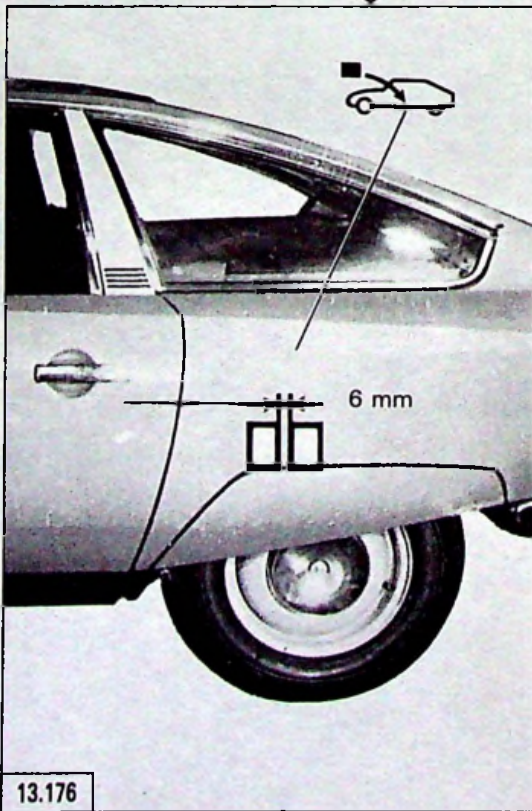
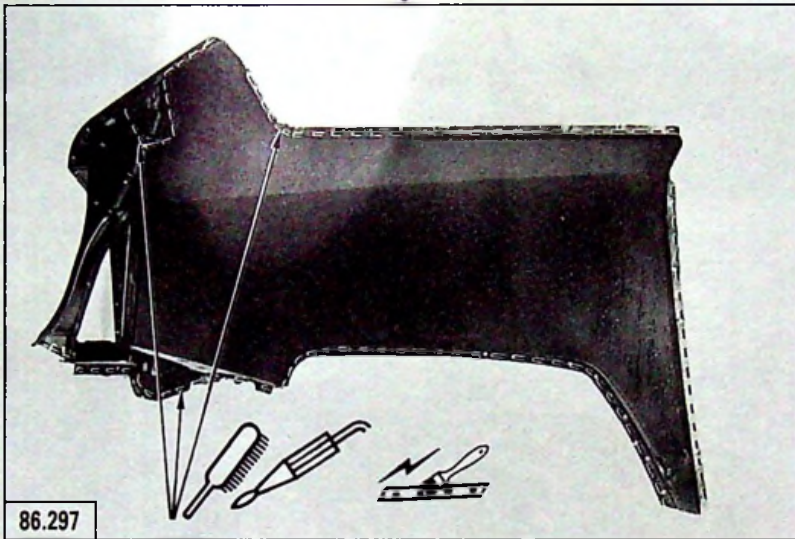
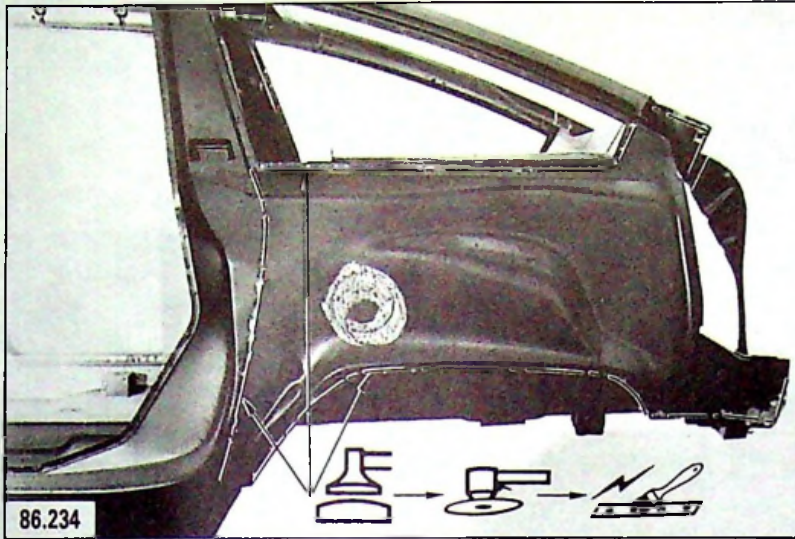
14

MA
824-1

3



*

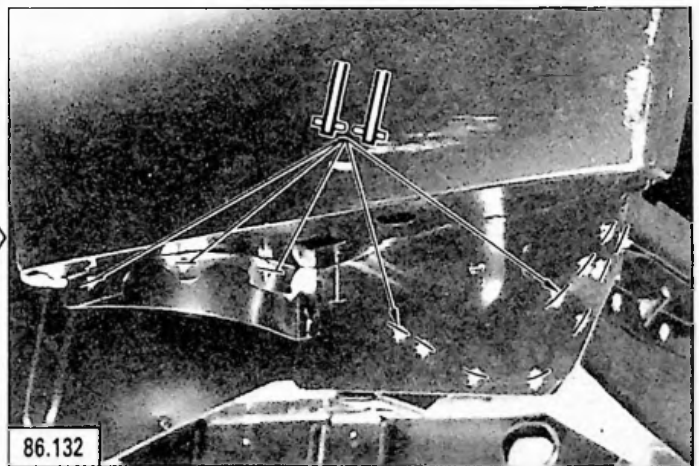
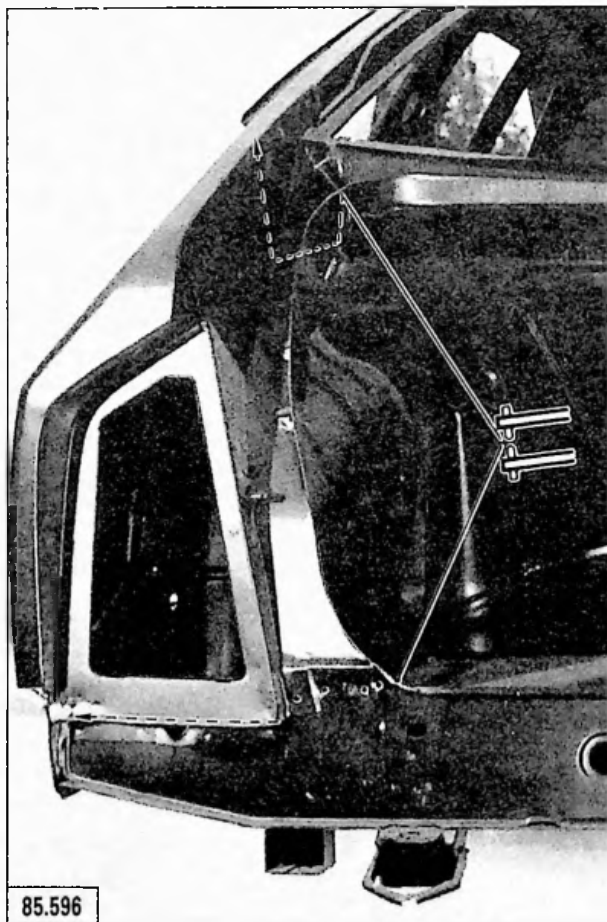
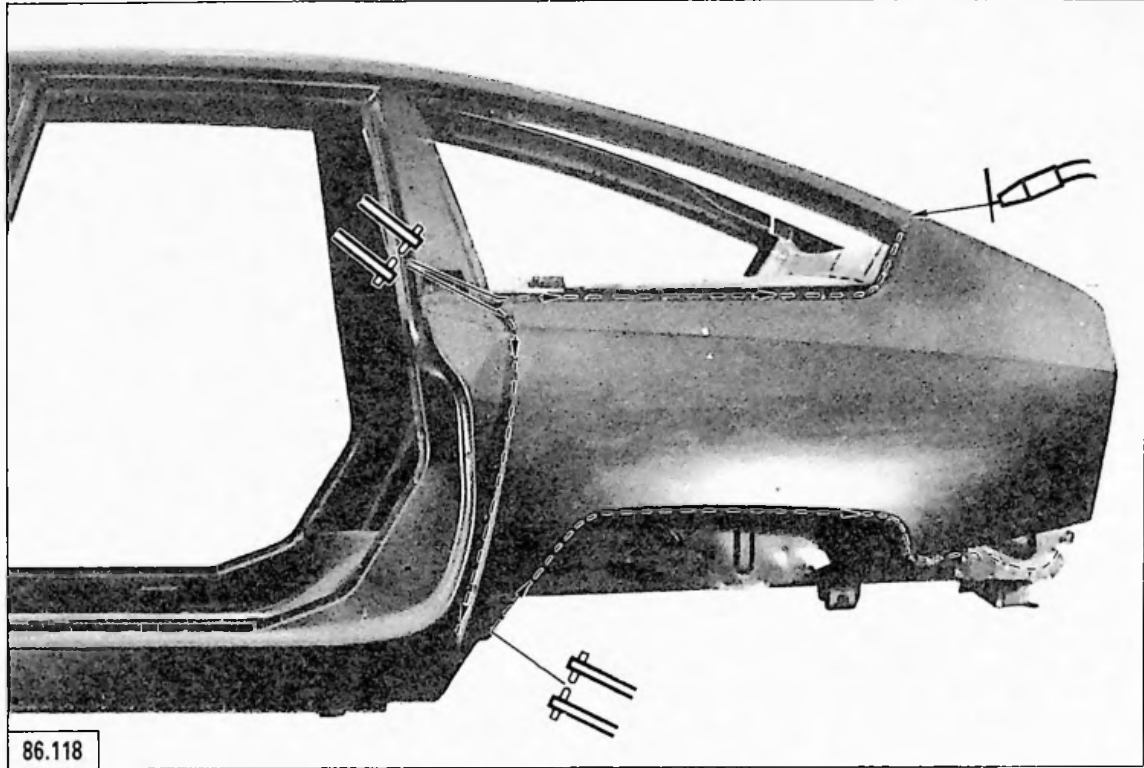


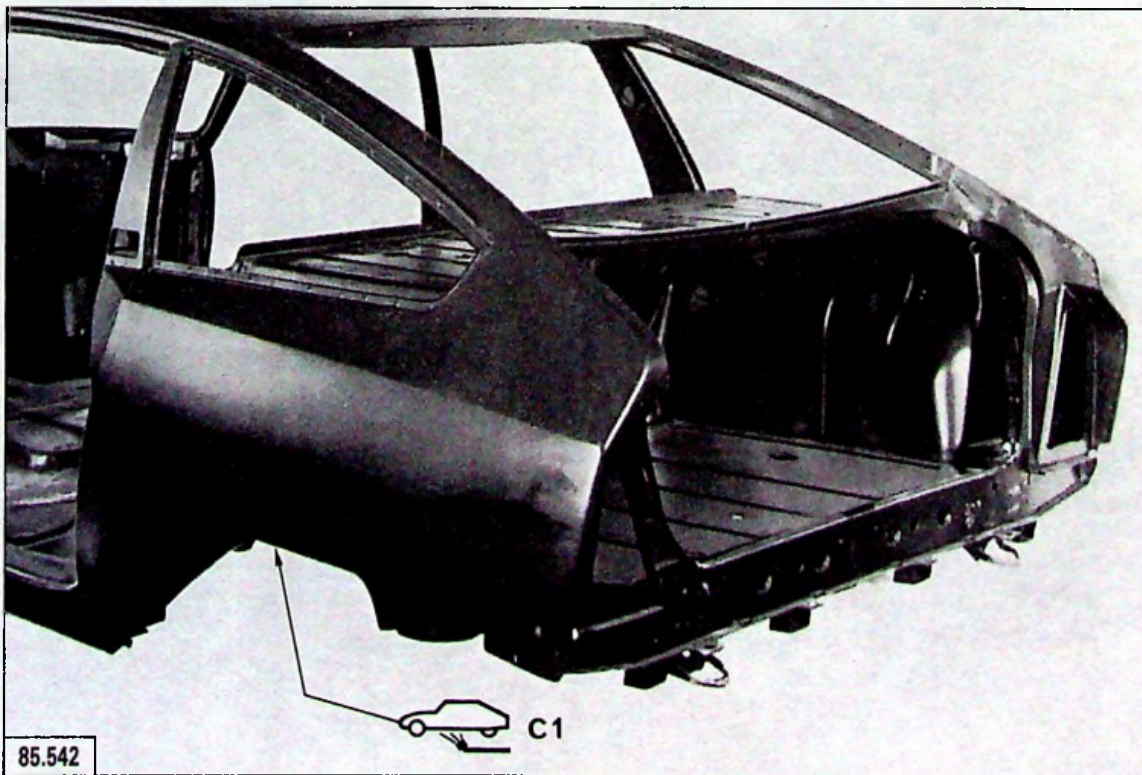
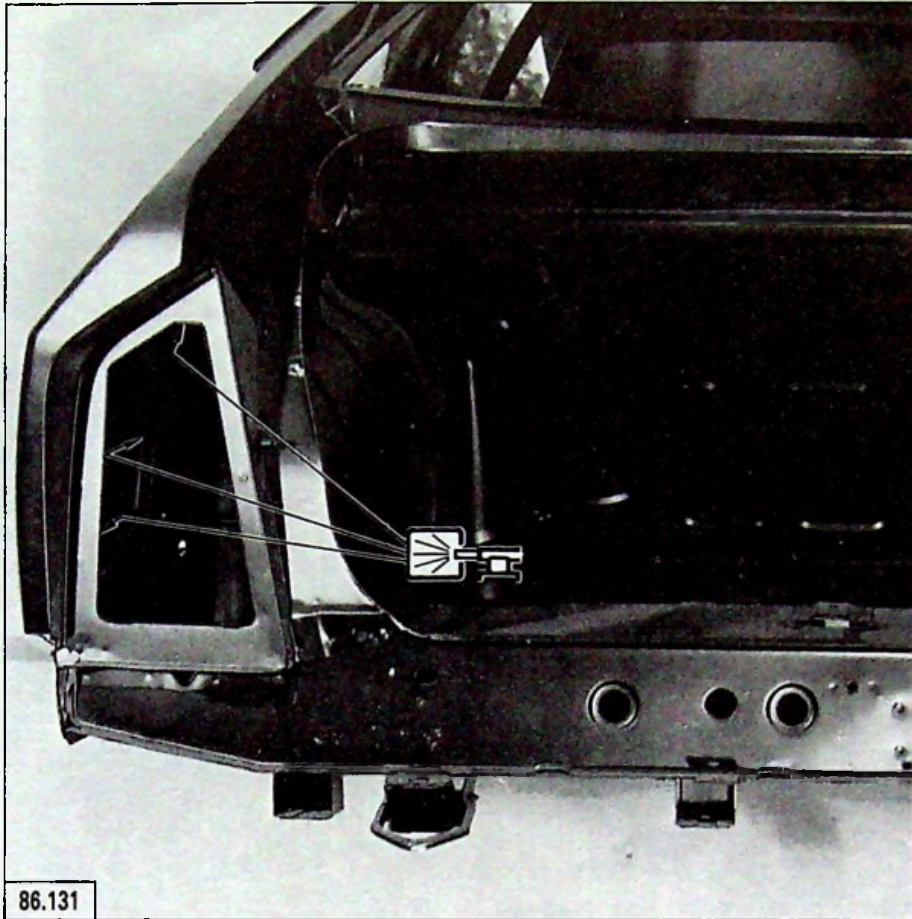


14

MA
824-1

5



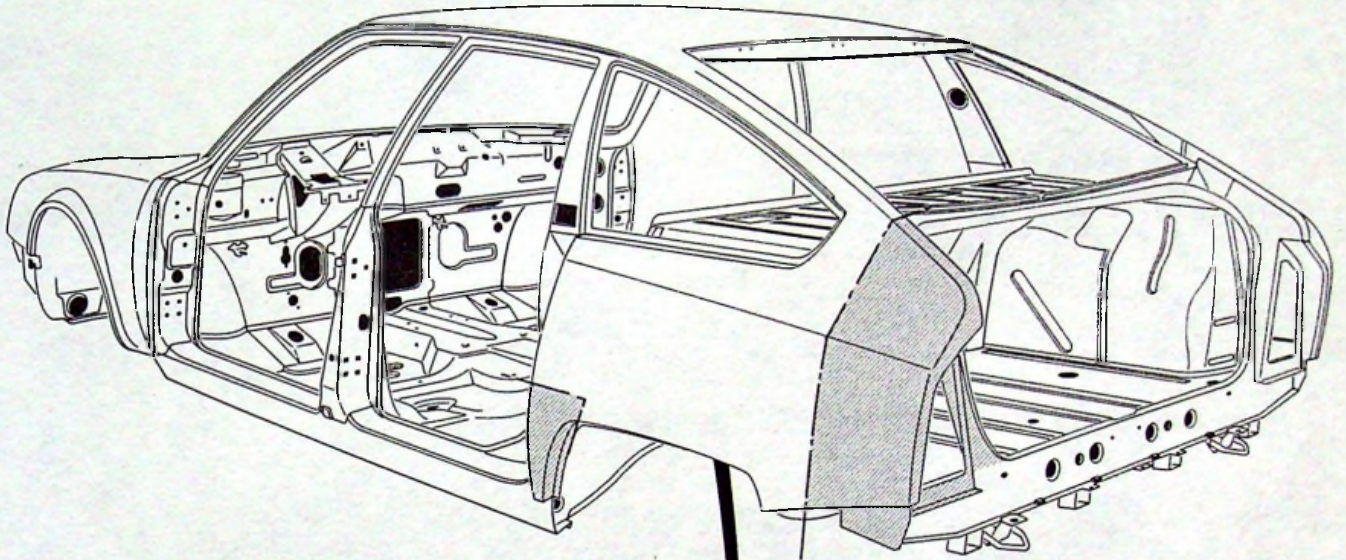




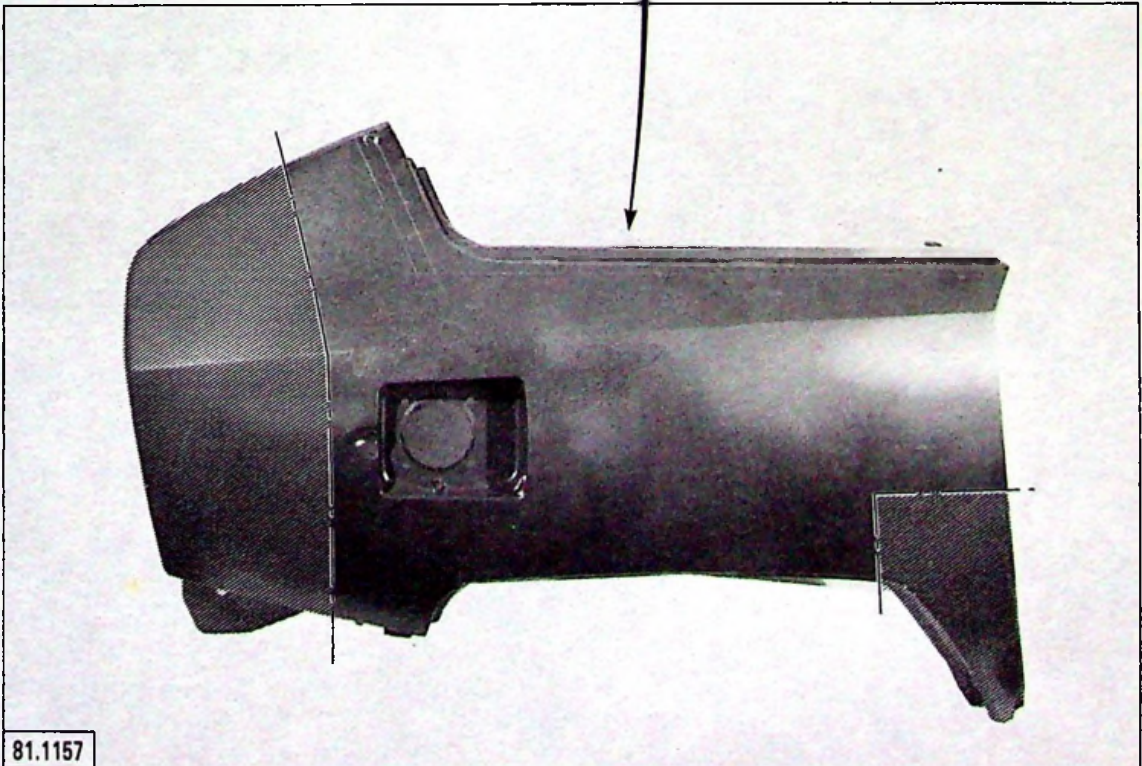
14

MA
824-2

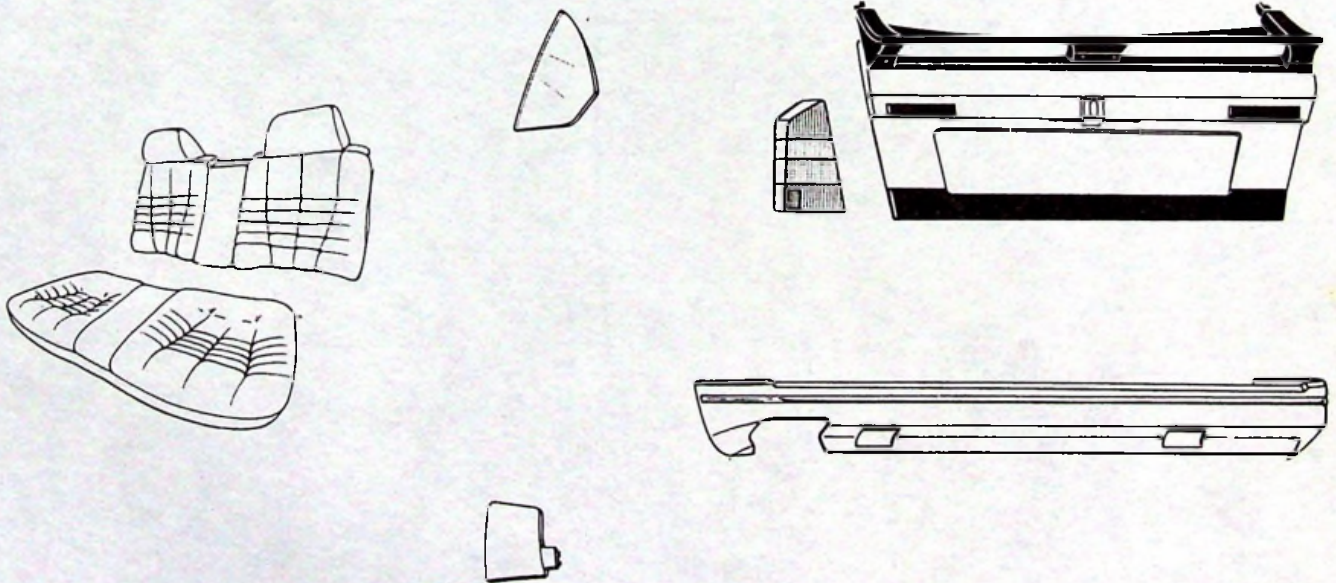
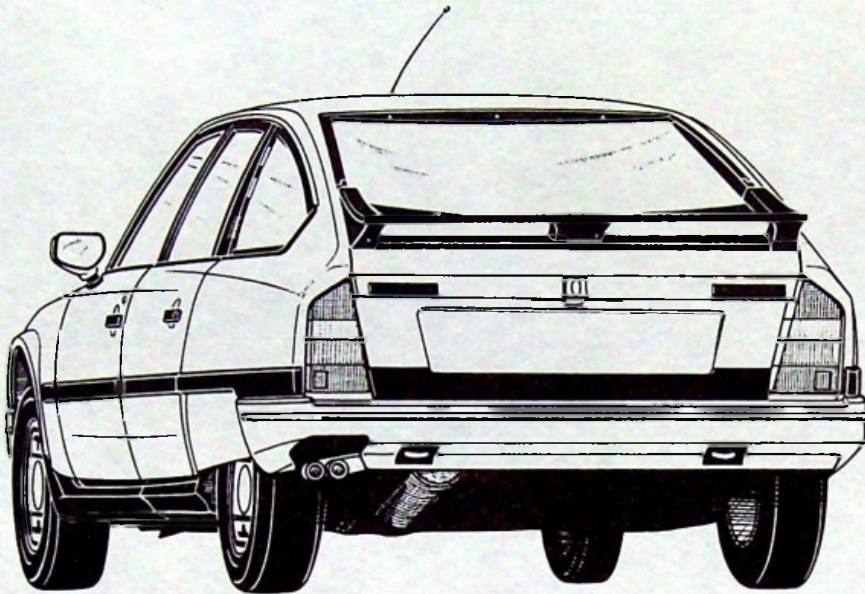
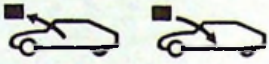
1



L 80.89



81.1157

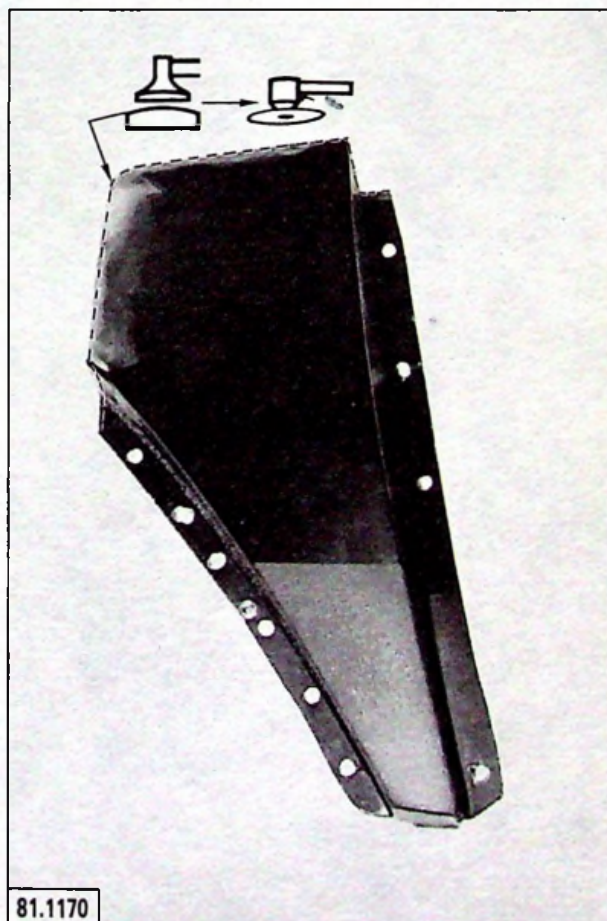
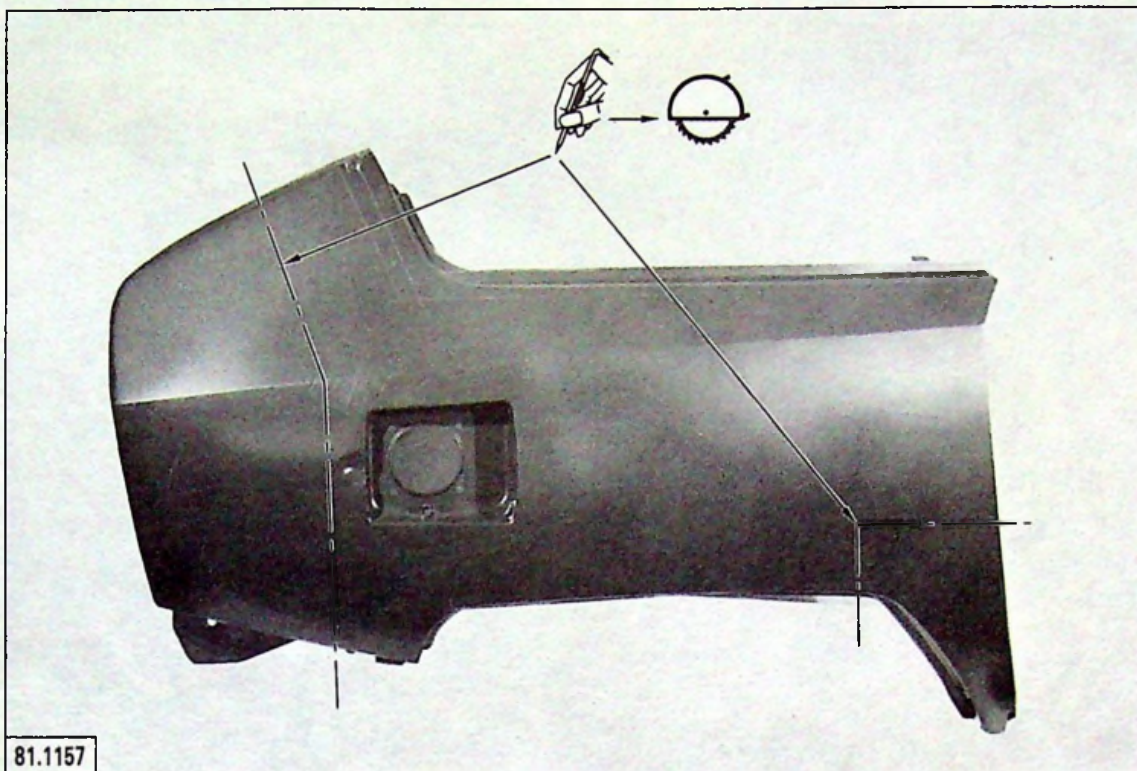


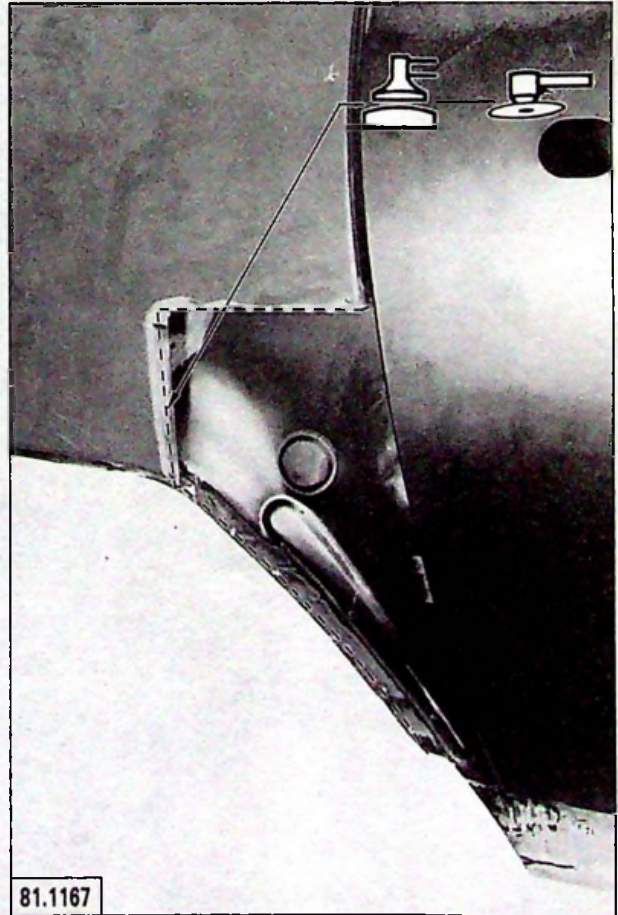
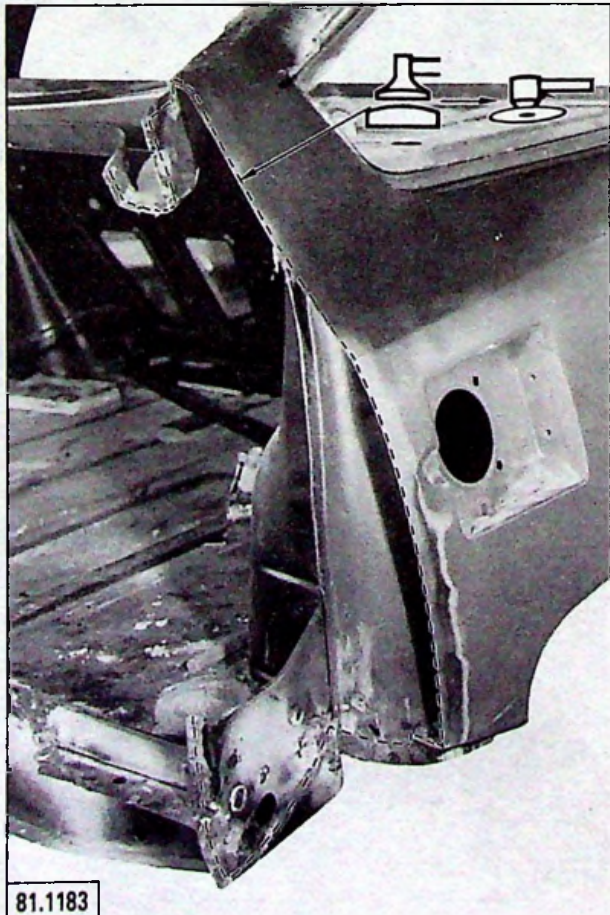
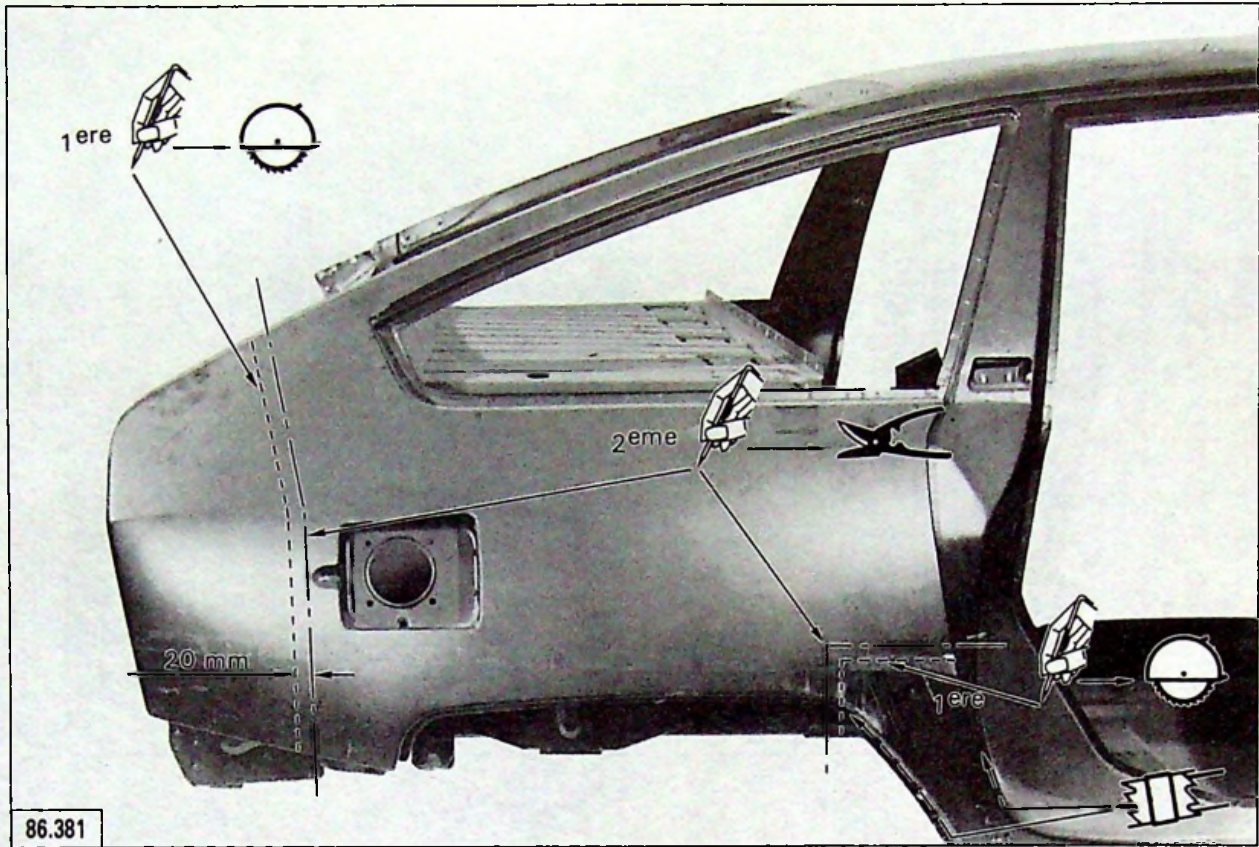


14

MA
824-2

3



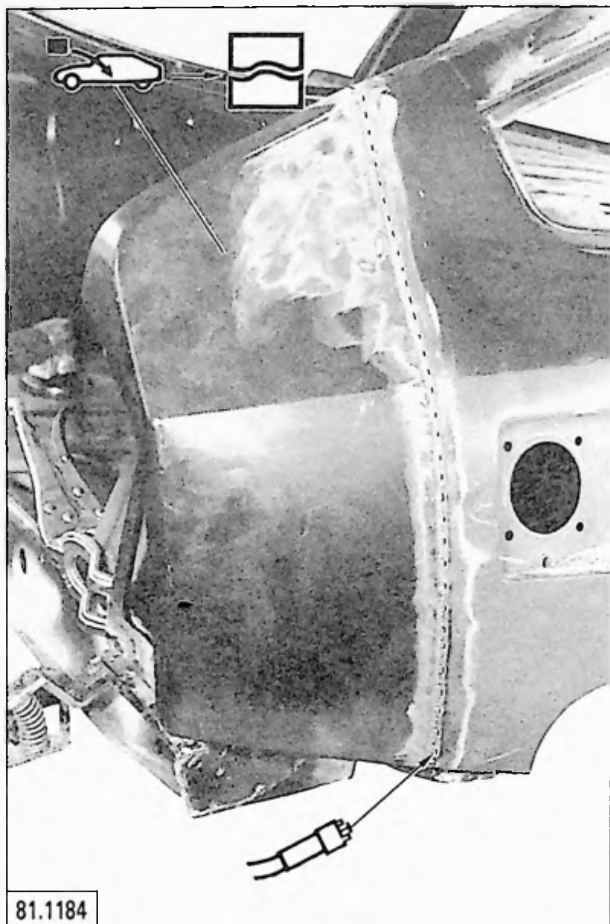




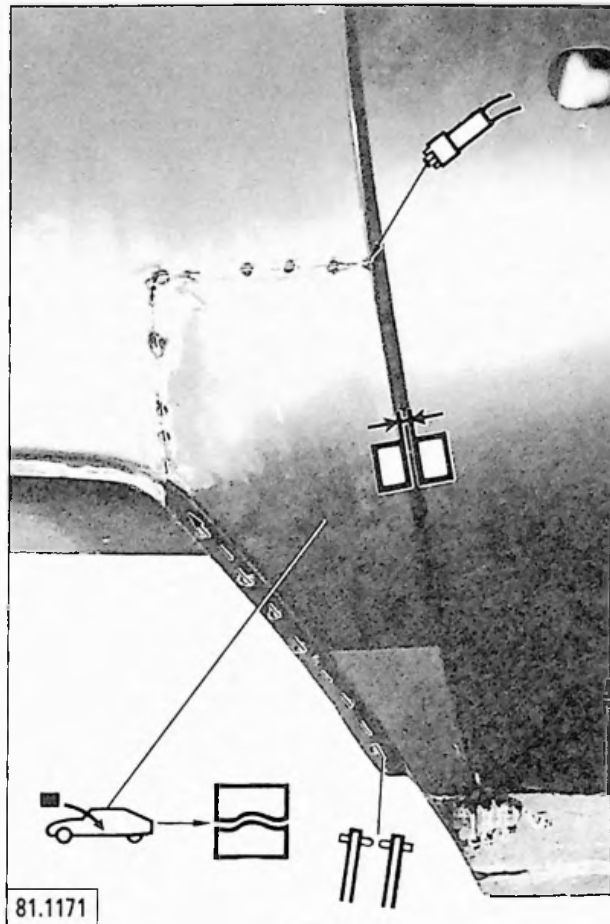
14

MA
824-2

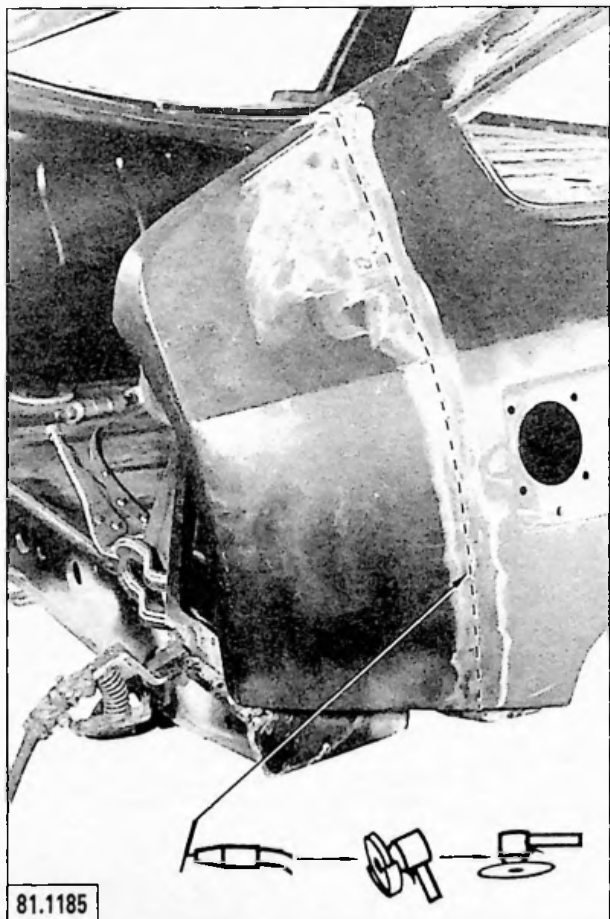
5



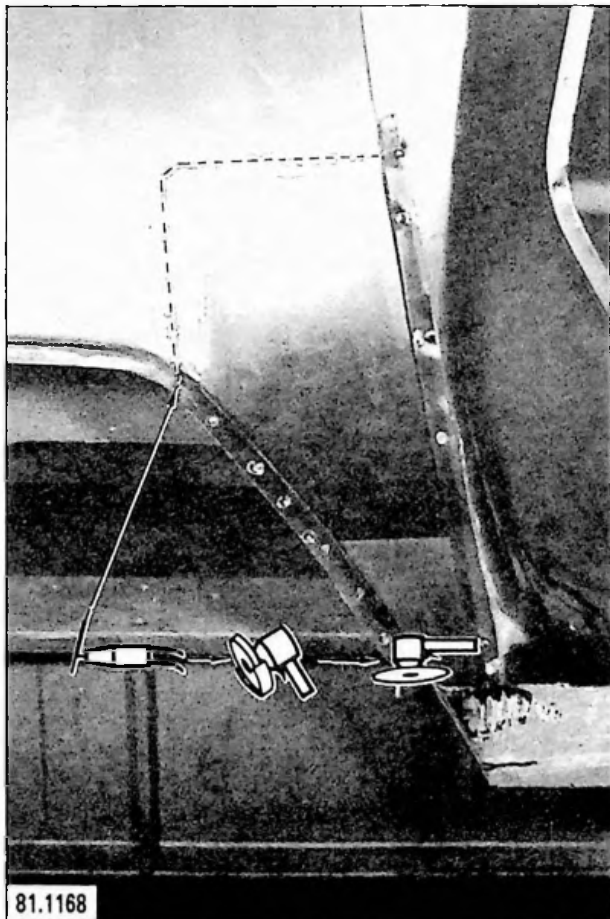
81.1184



81.1171

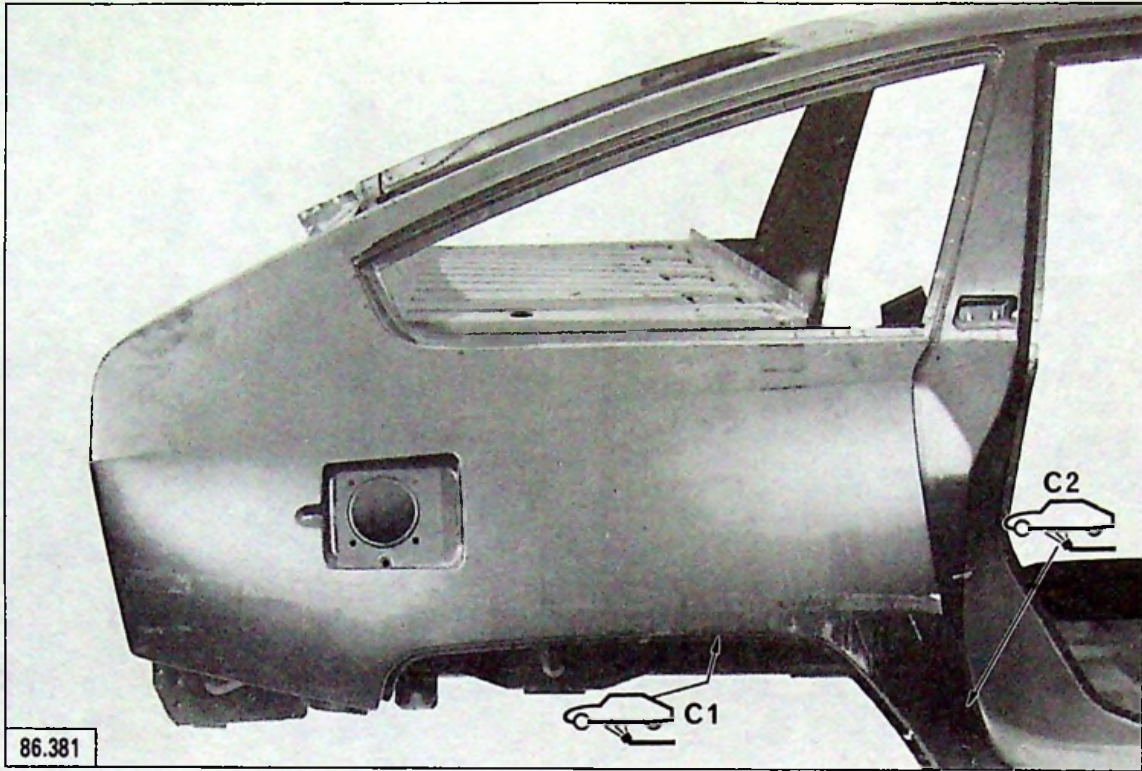


81.1185



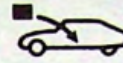
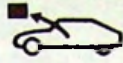
81.1168

*



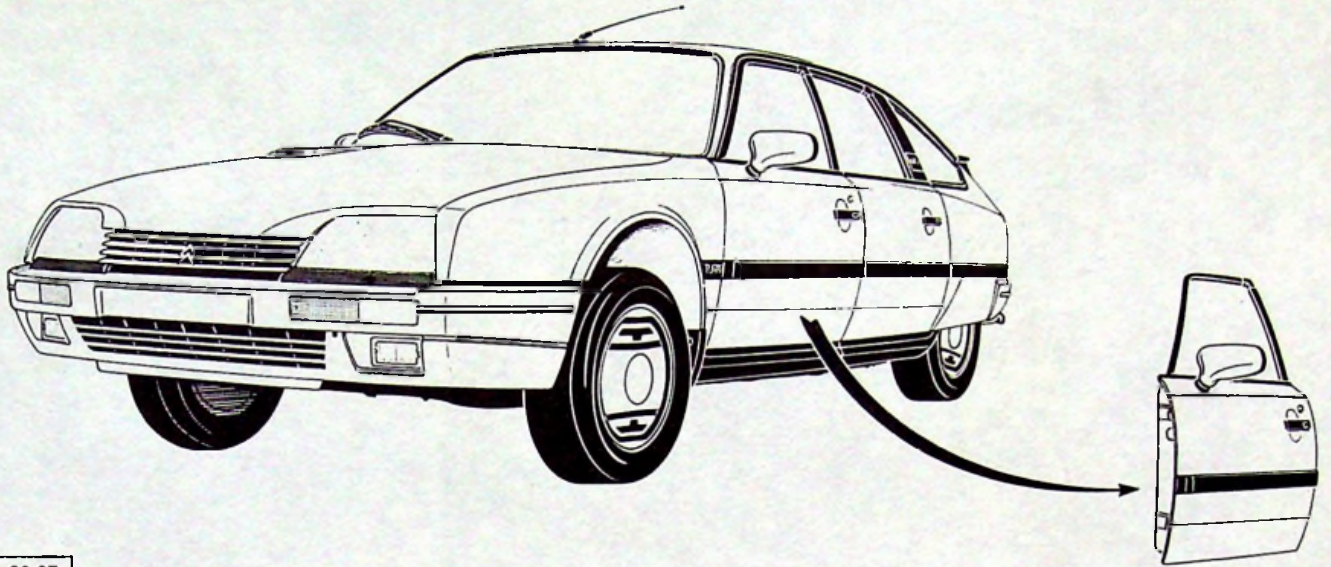


15



MA
841-2

1



L 80.97

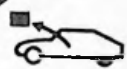
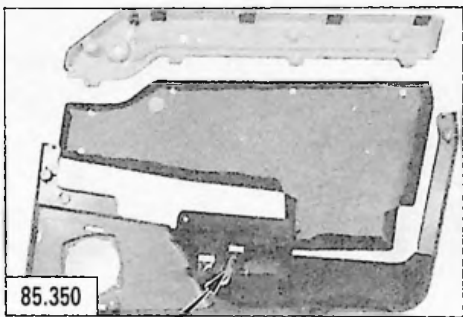
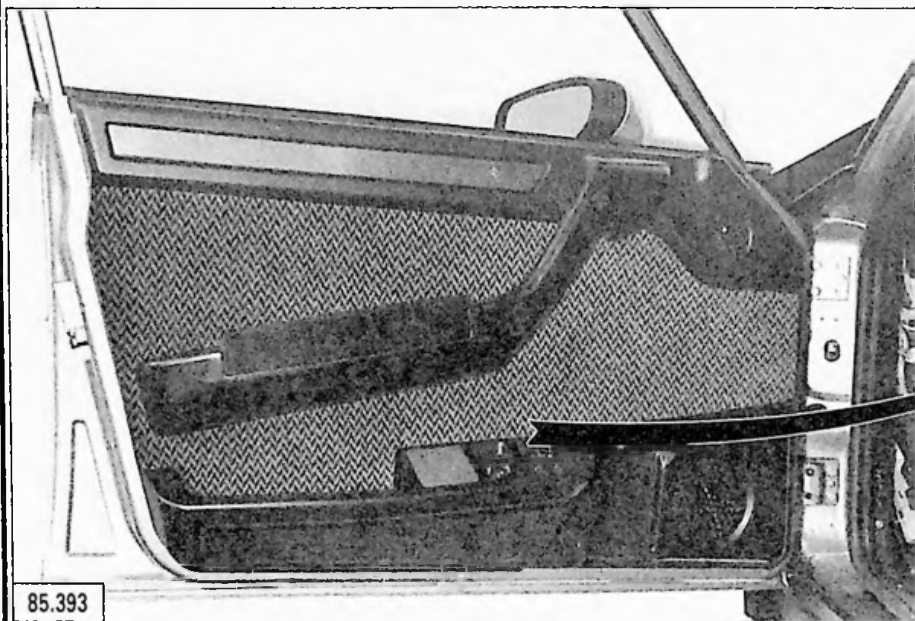
8-1303 AZ



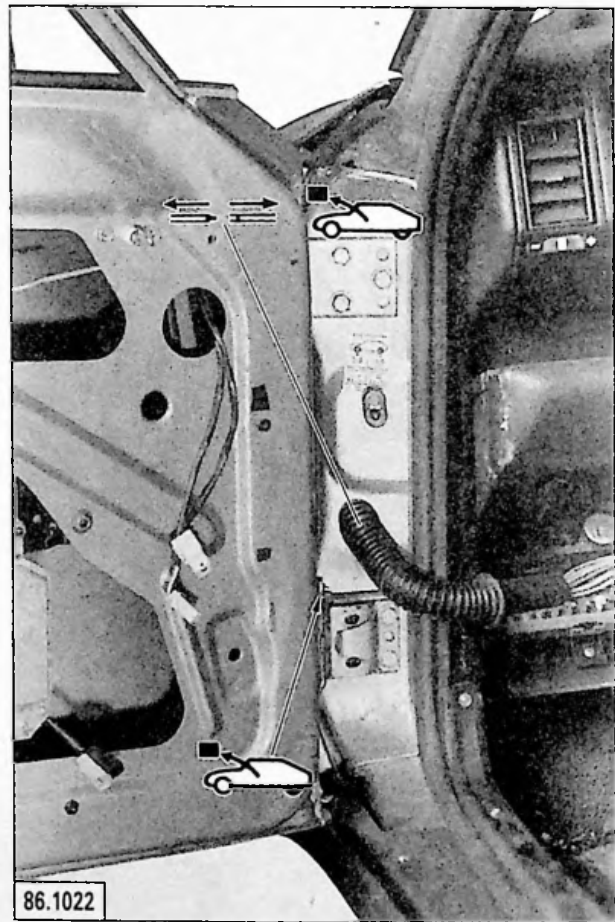
8-1303

- D  -
- C  -
- M  -

79.468



MA 841.3

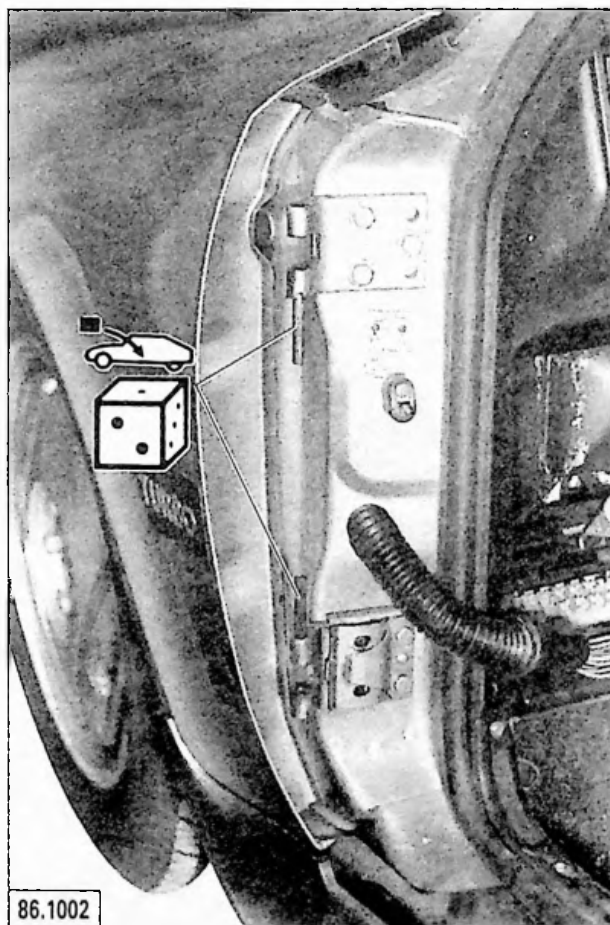
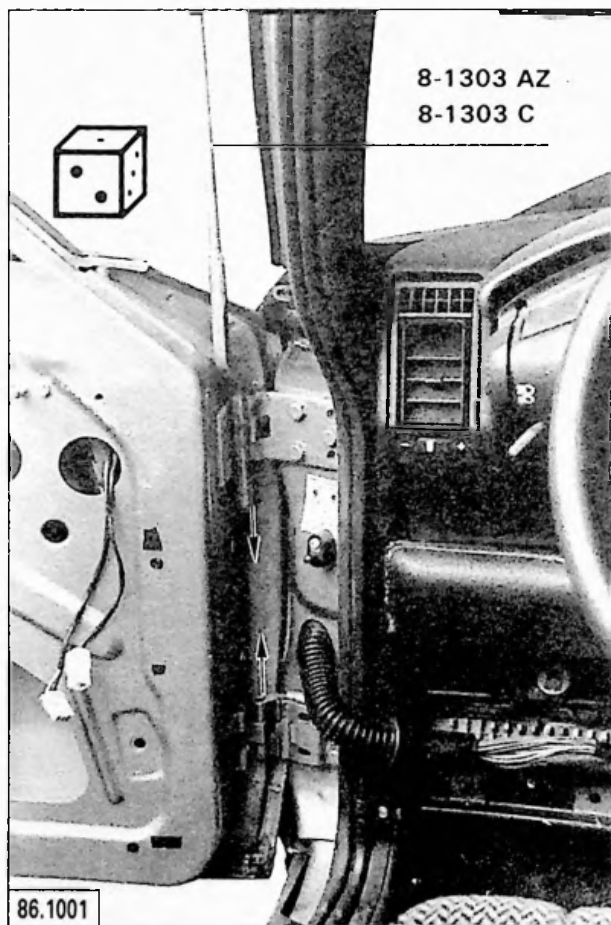
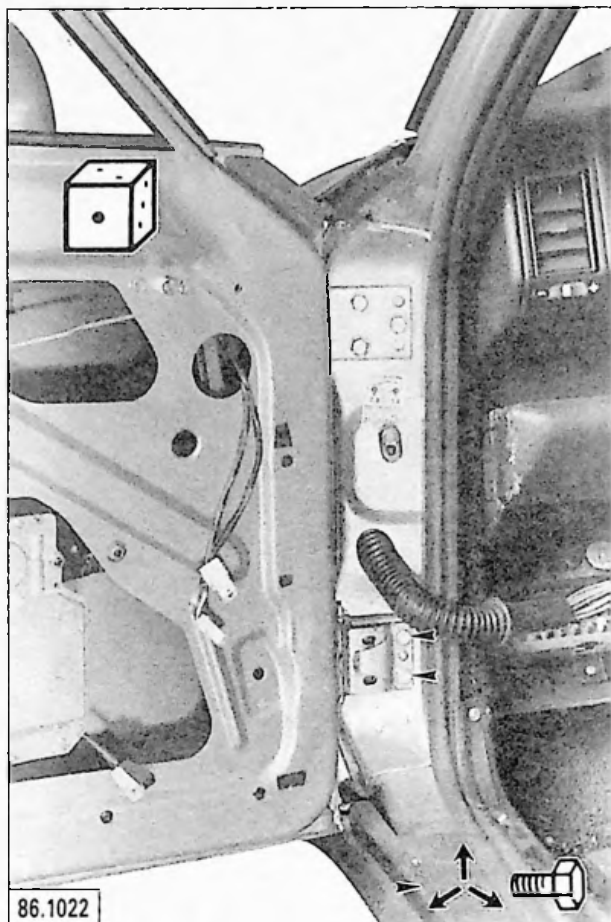


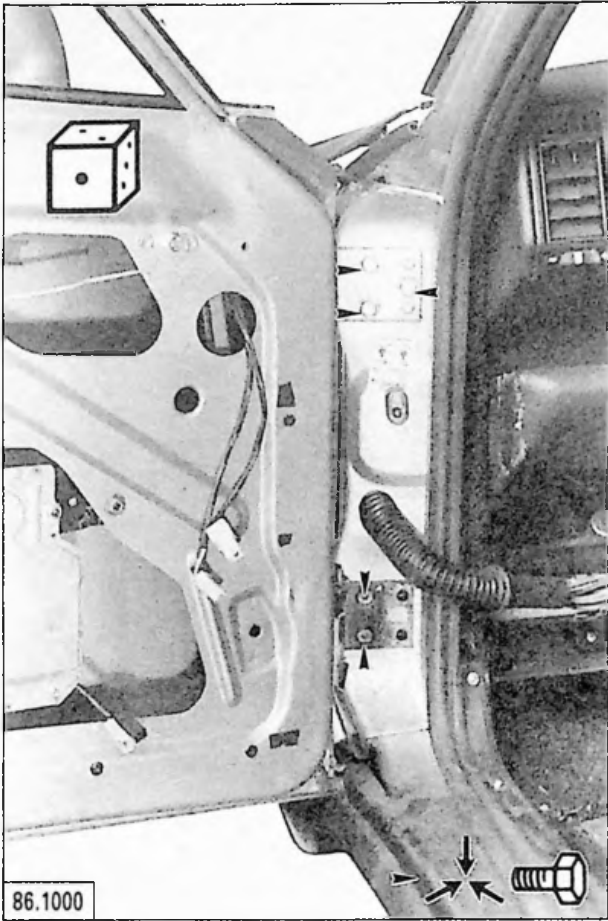


15

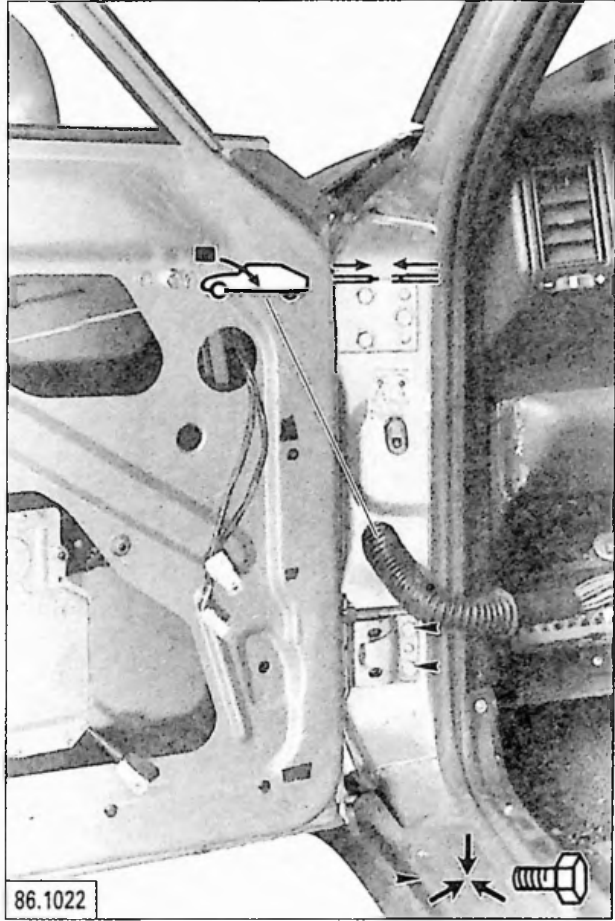
MA
841-2

3

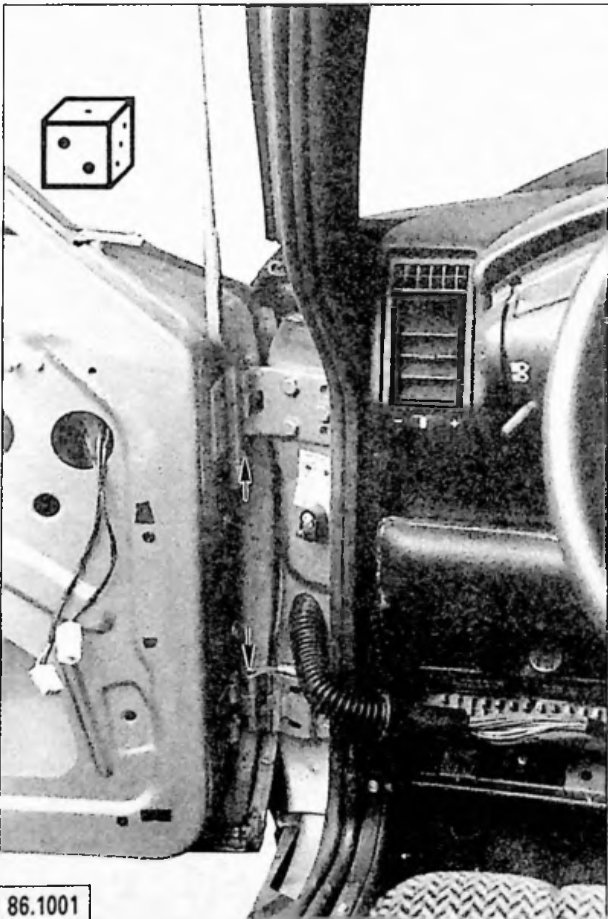




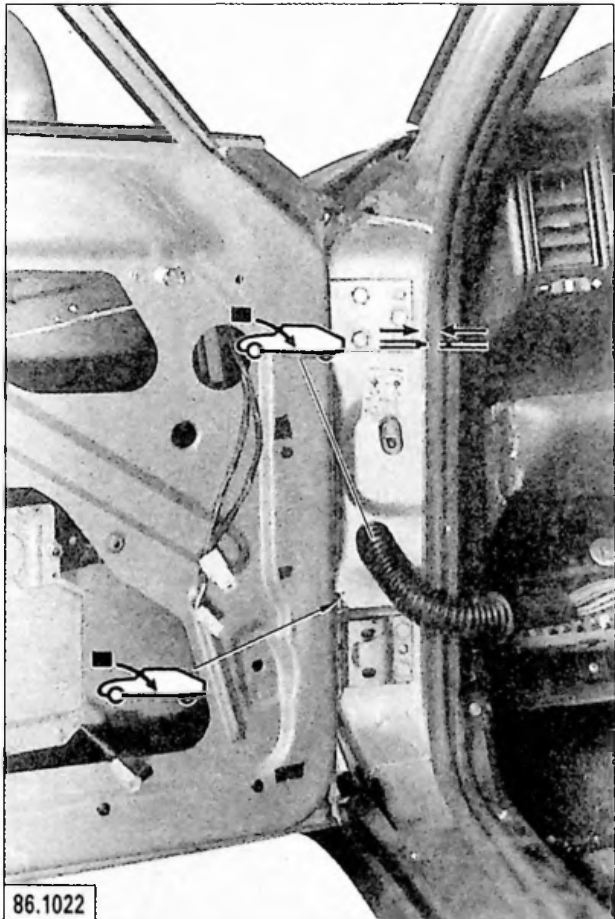
86.1000



86.1022



86.1001



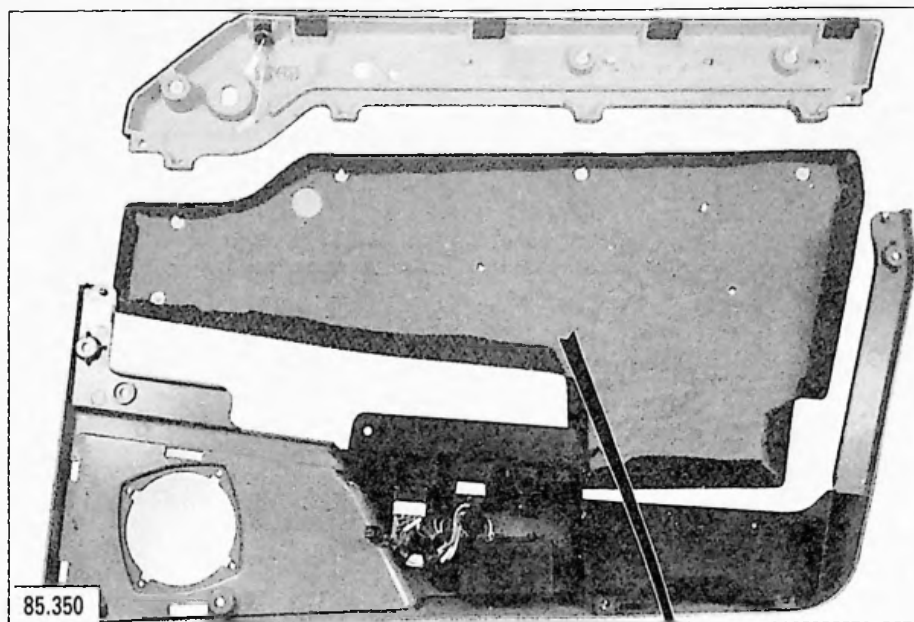
86.1022



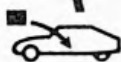
15

MA
841-2

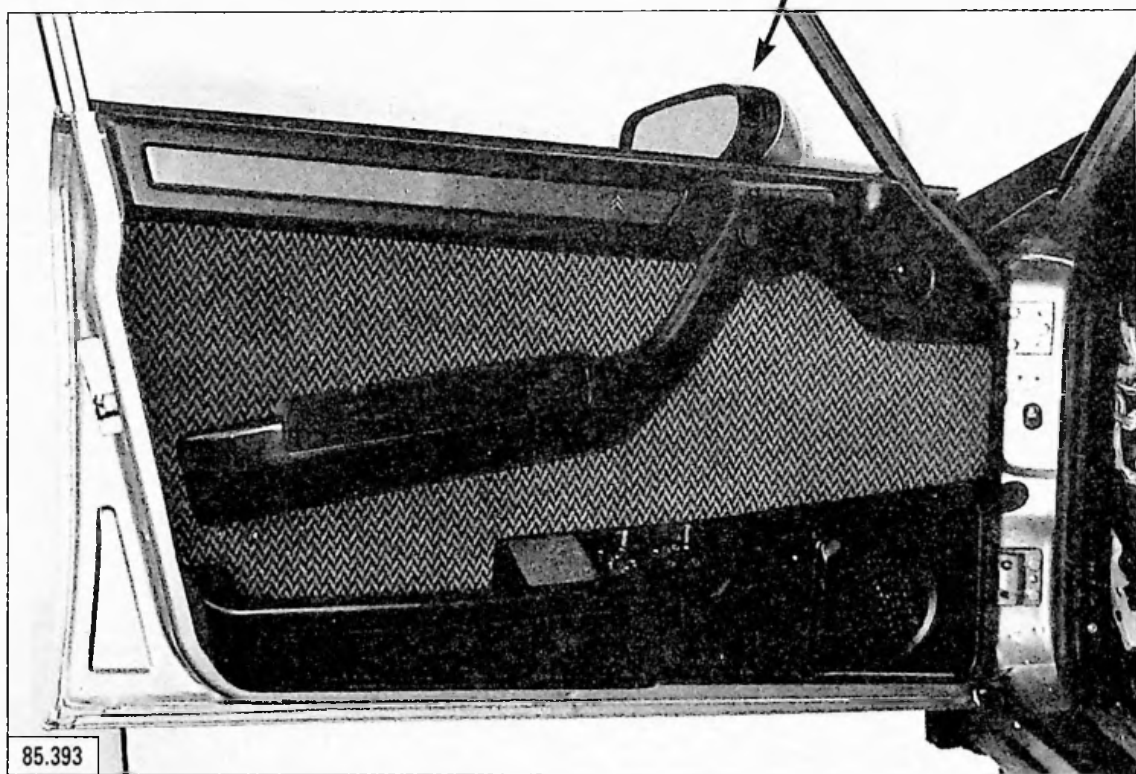
5



85.350



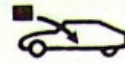
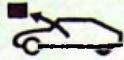
MA 841.3



85.393

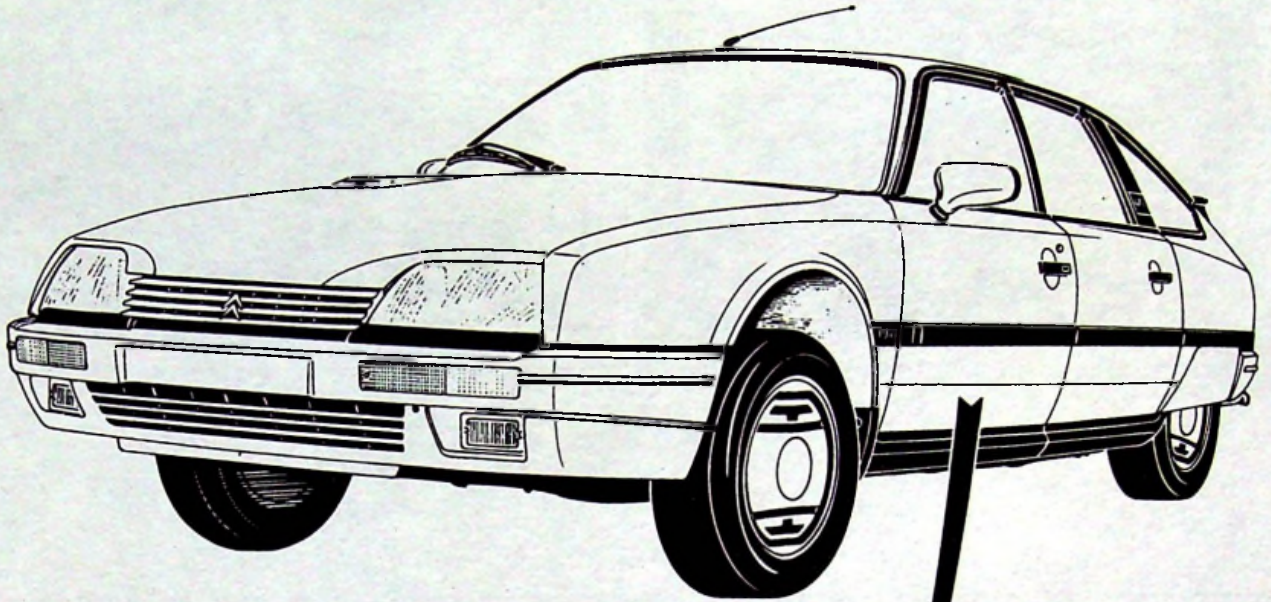


15

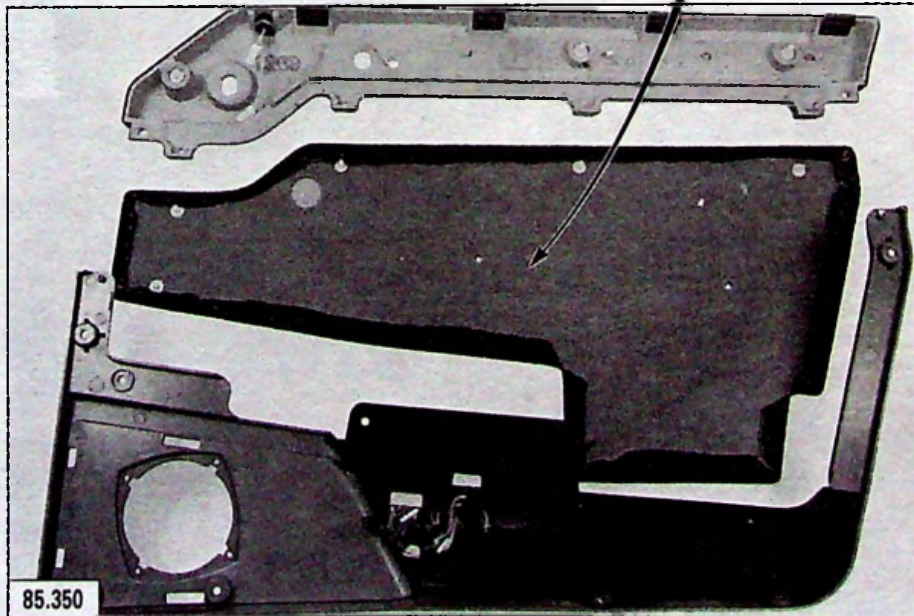


MA
841-3

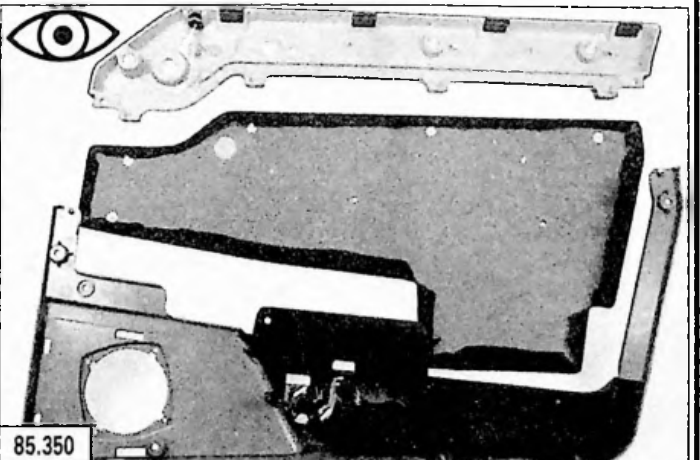
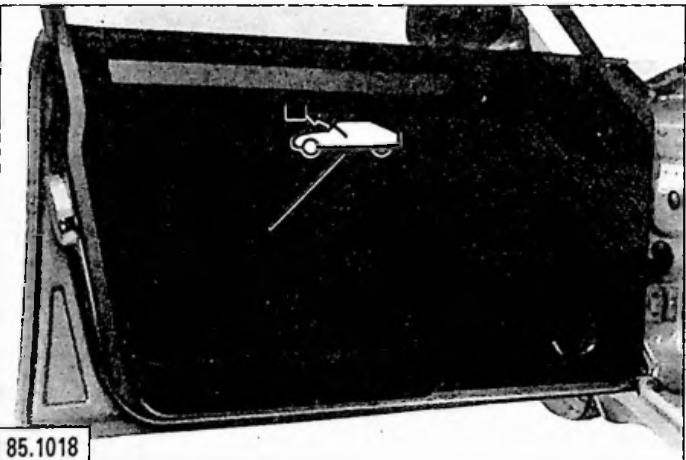
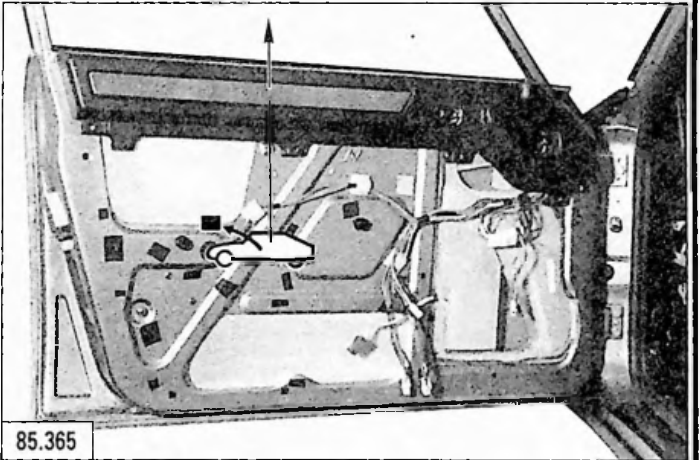
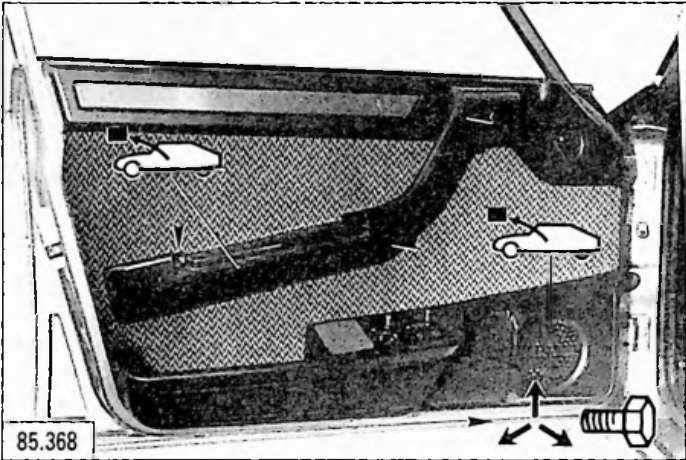
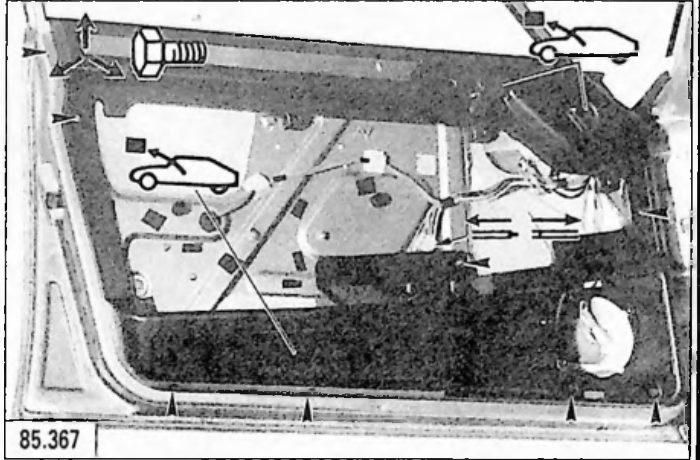
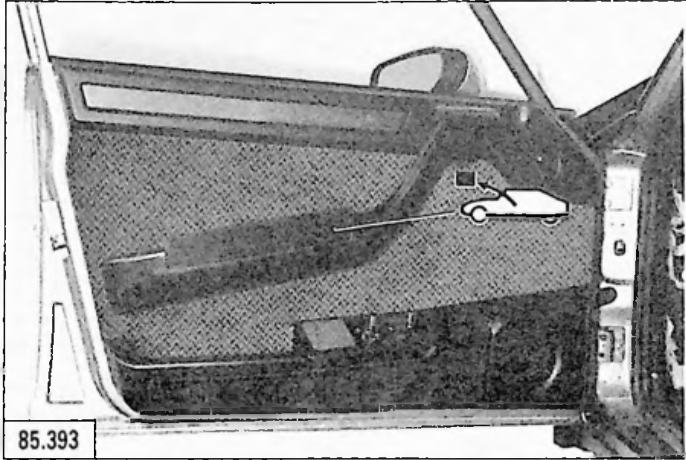
1



L 80.97



85.350

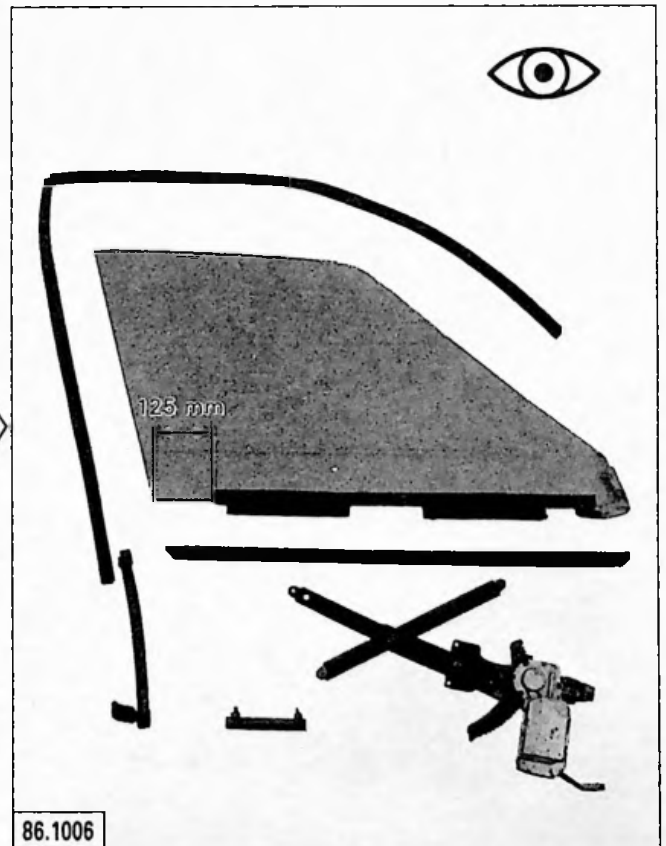
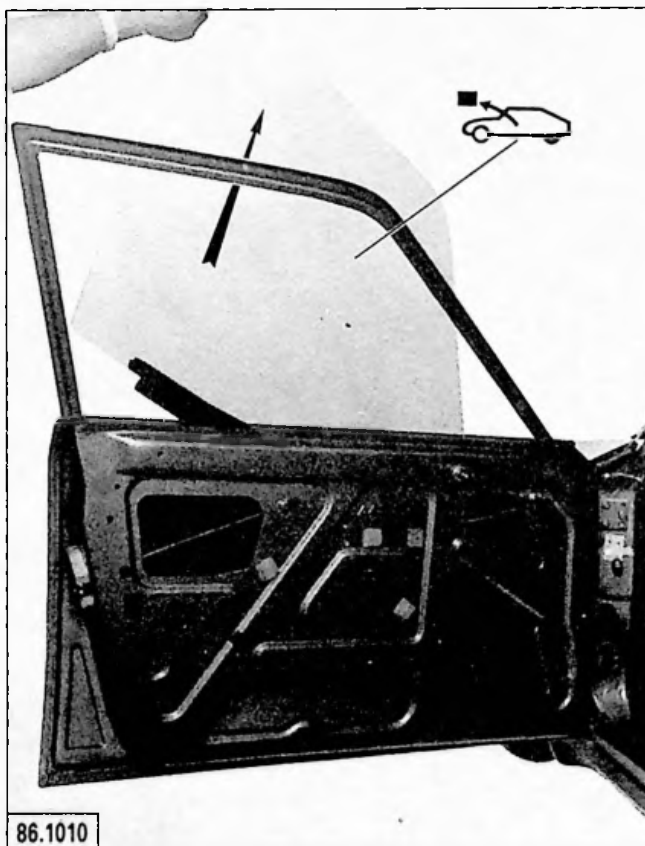
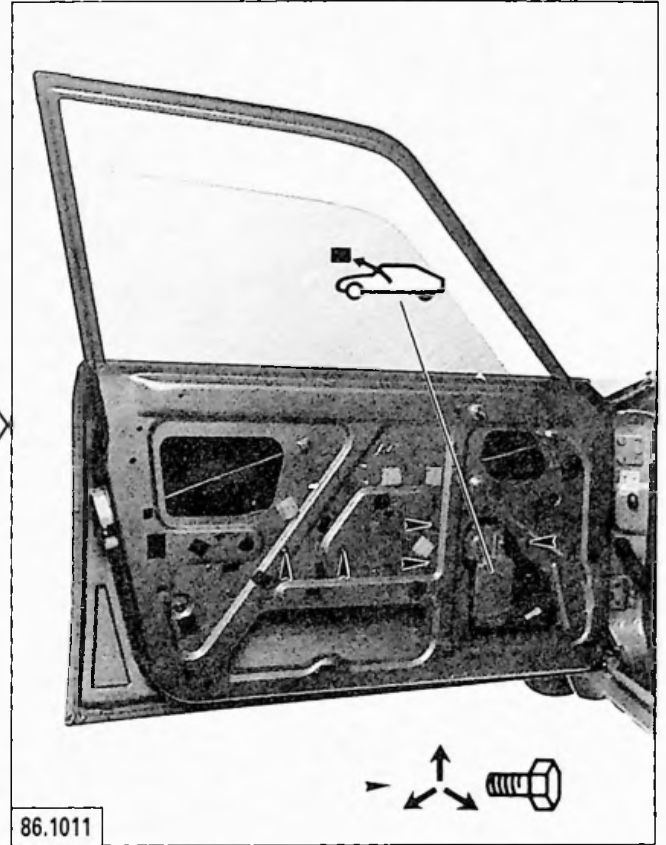
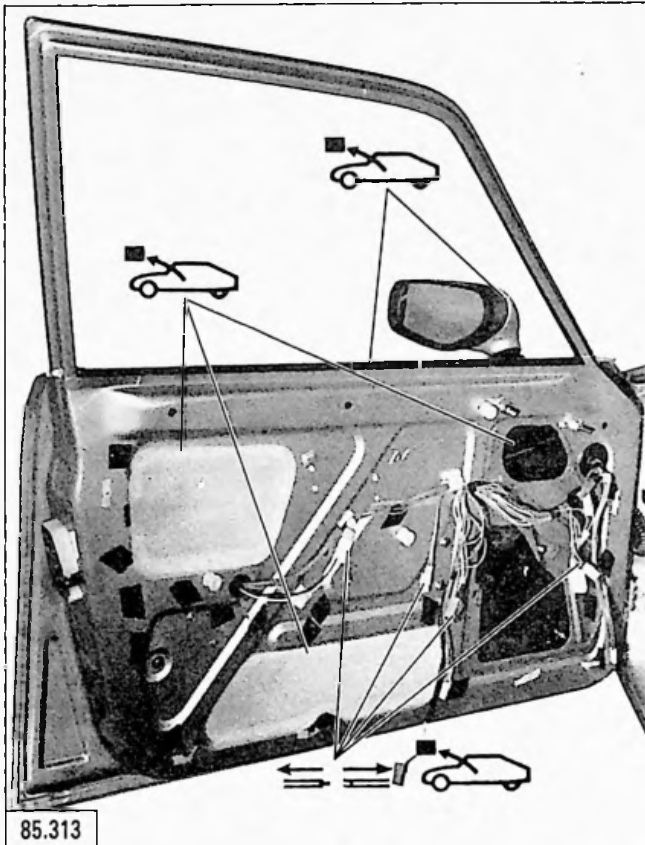




15

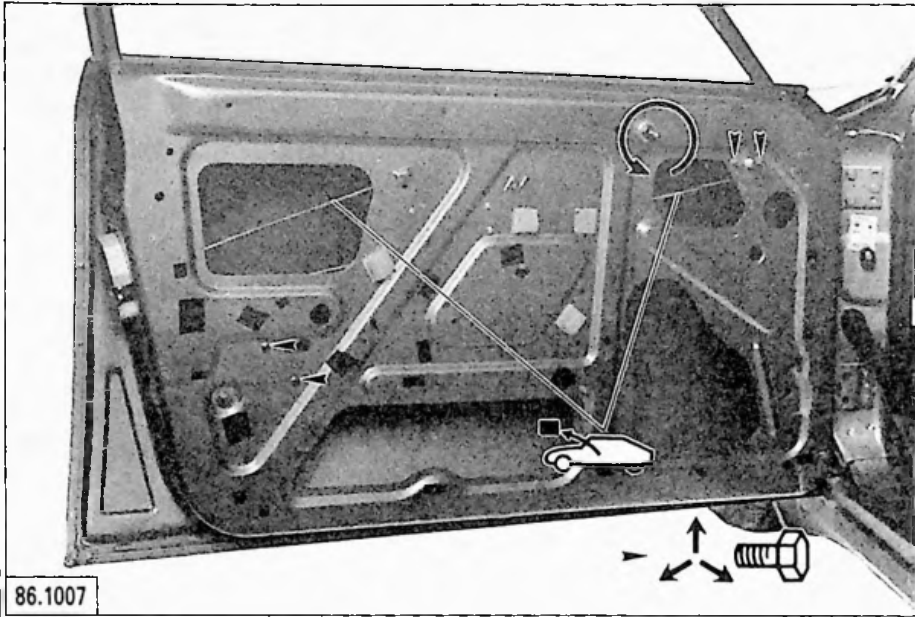
MA
841-3

3

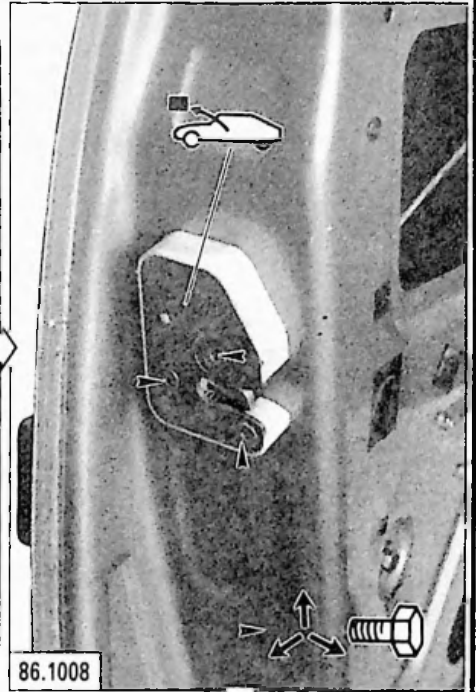


*

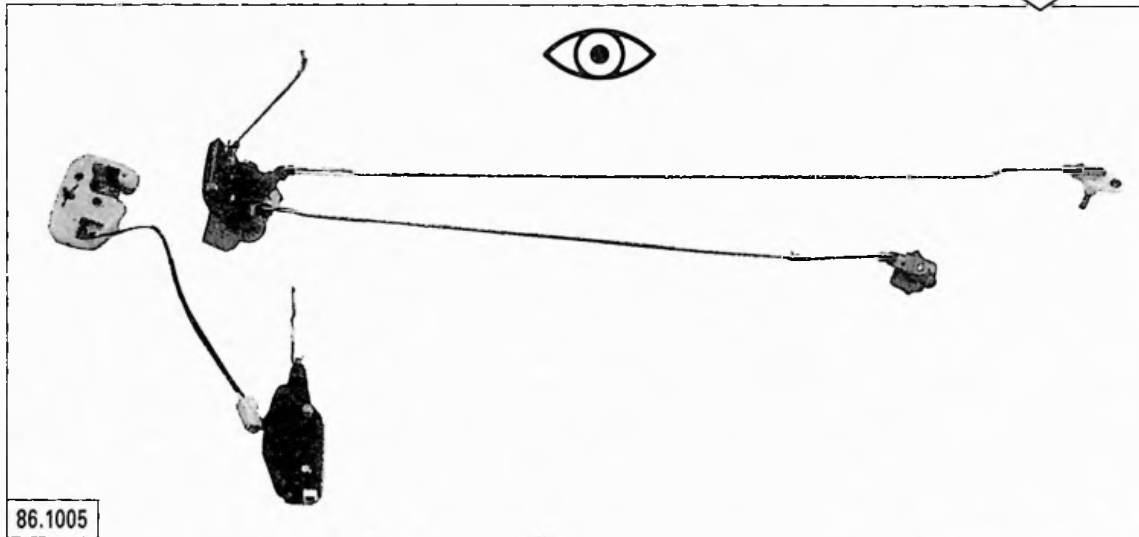
8531



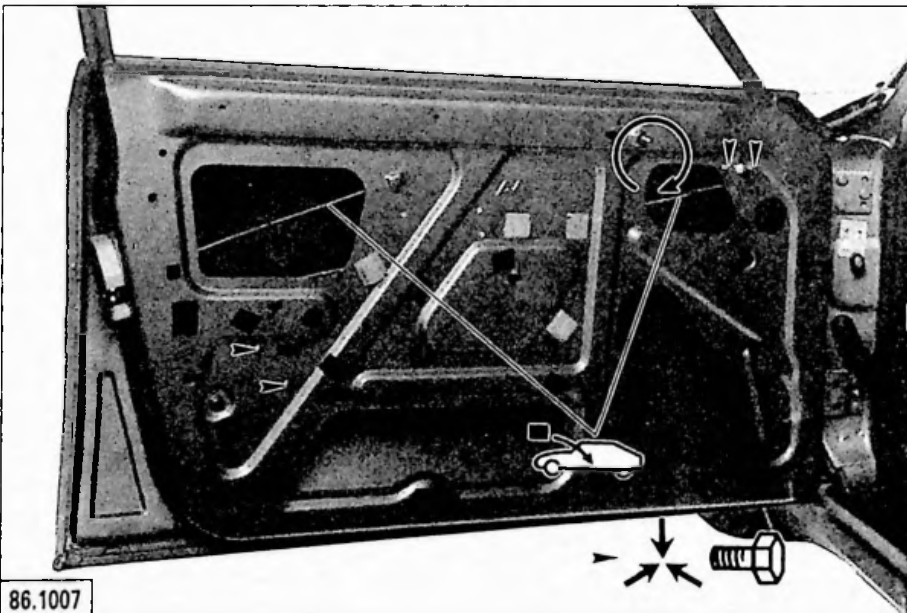
86.1007



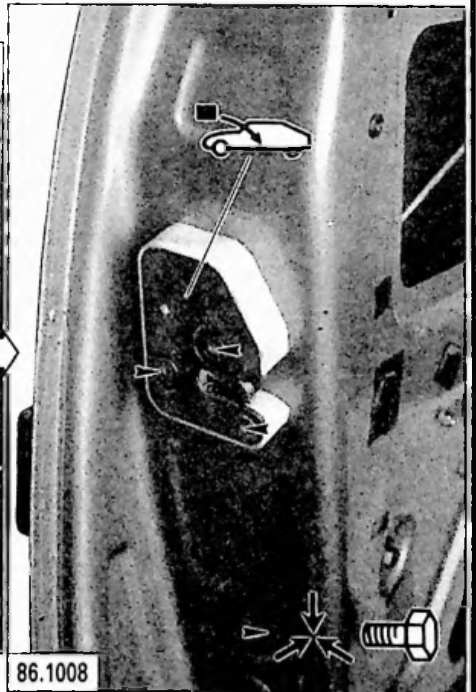
86.1008



86.1005



86.1007



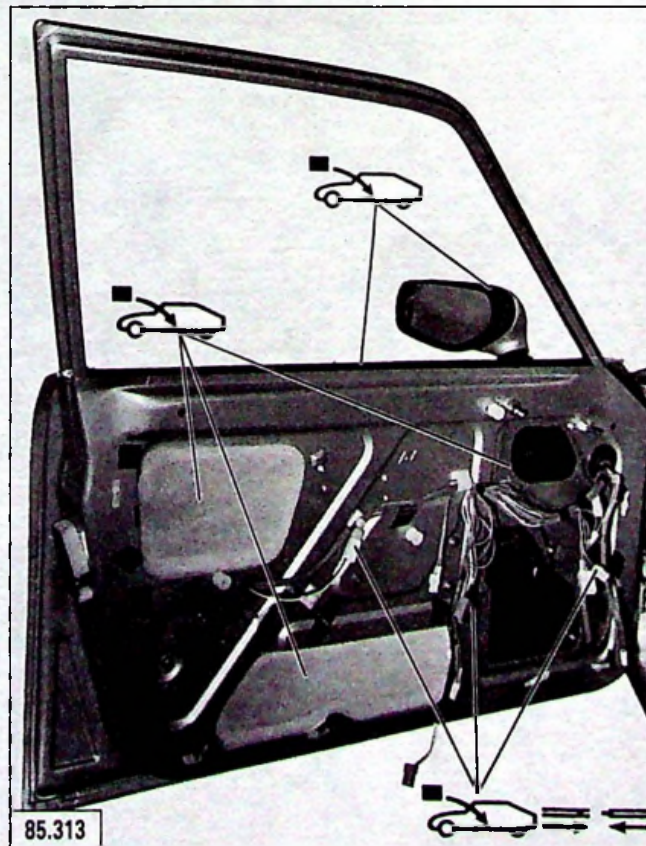
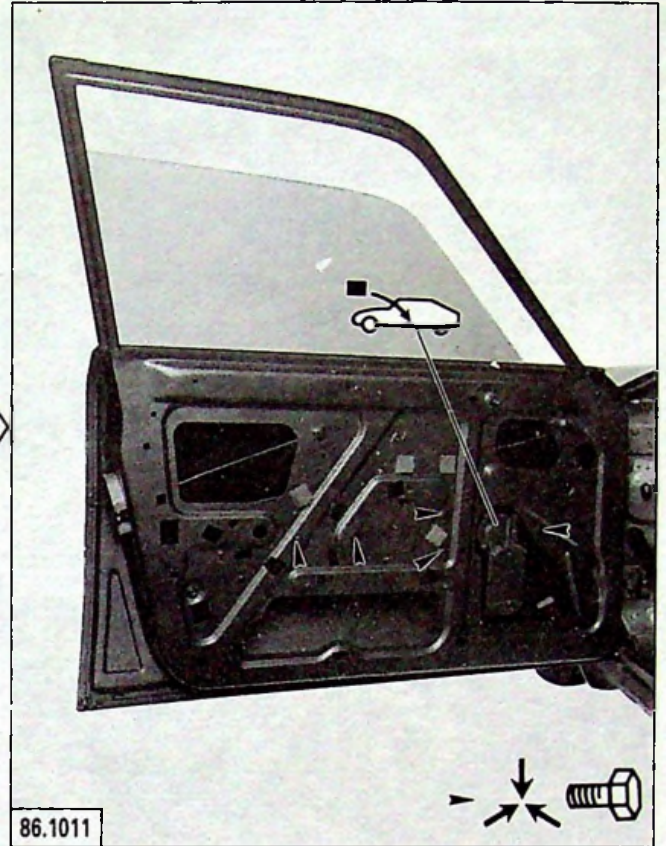
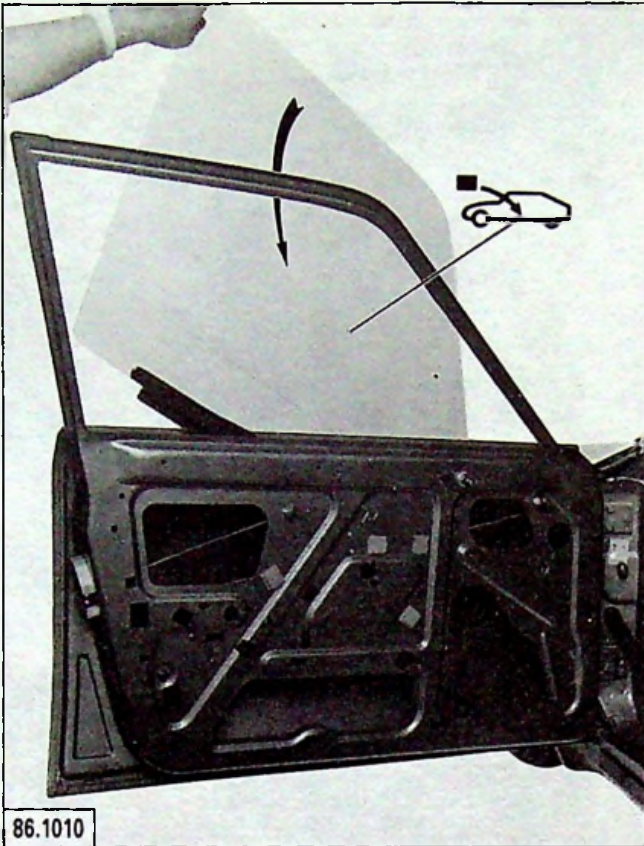
86.1008



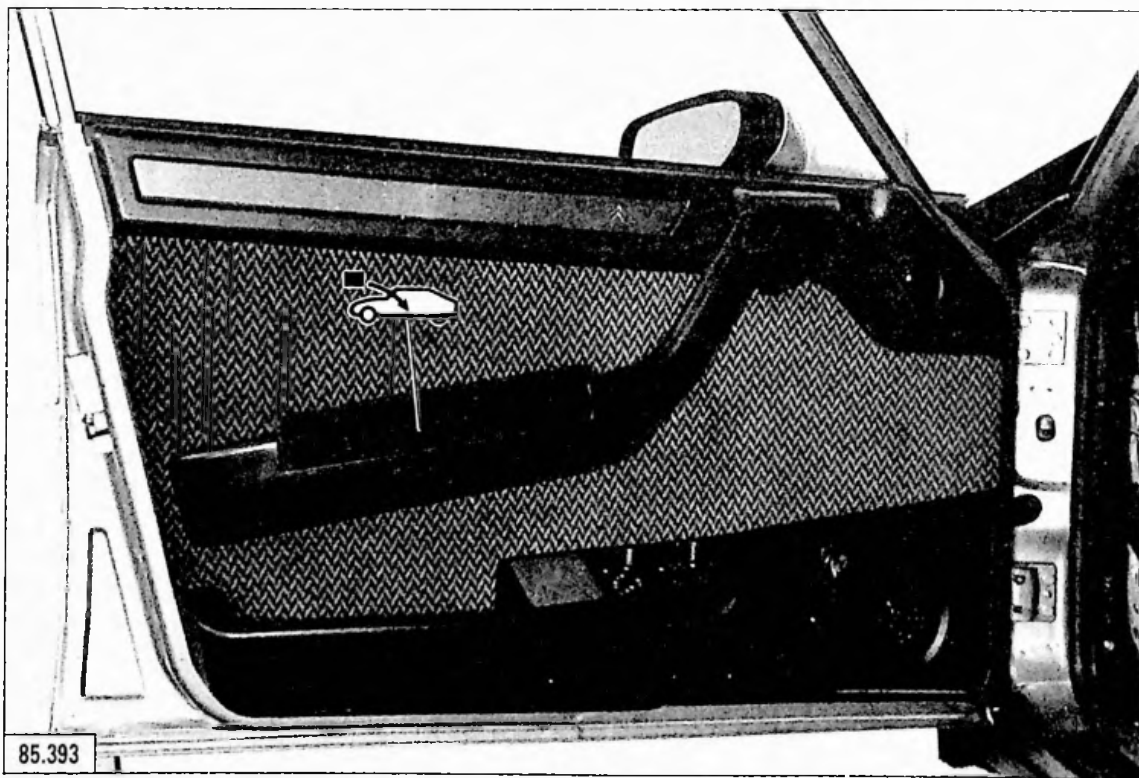
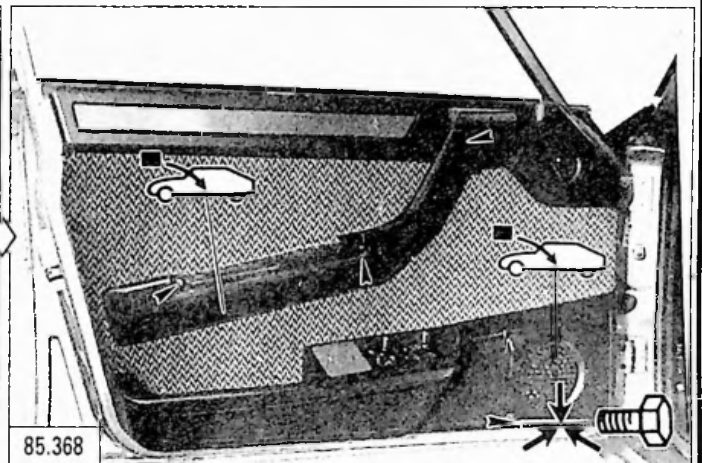
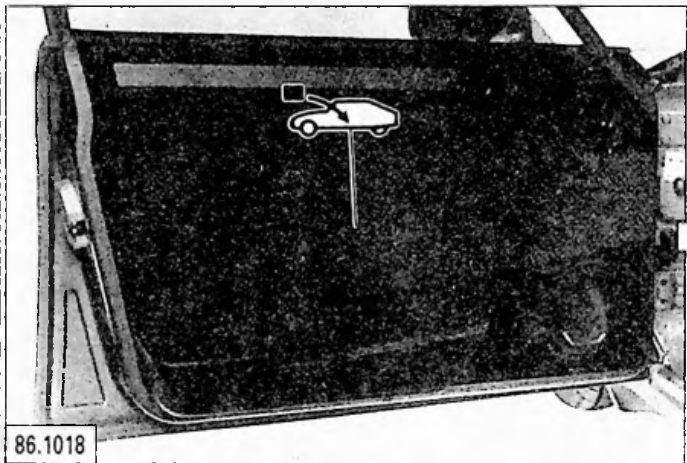
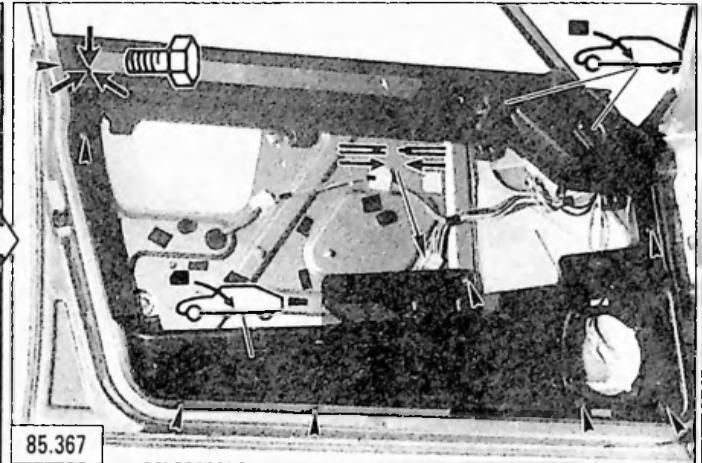
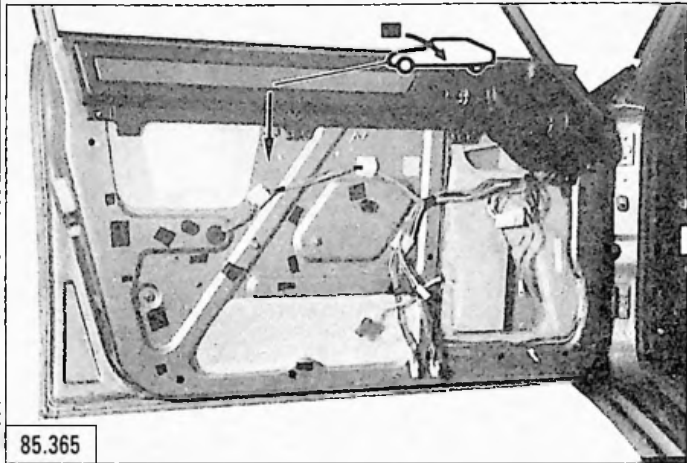
15

MA
841-3

5

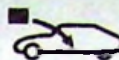
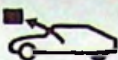


*



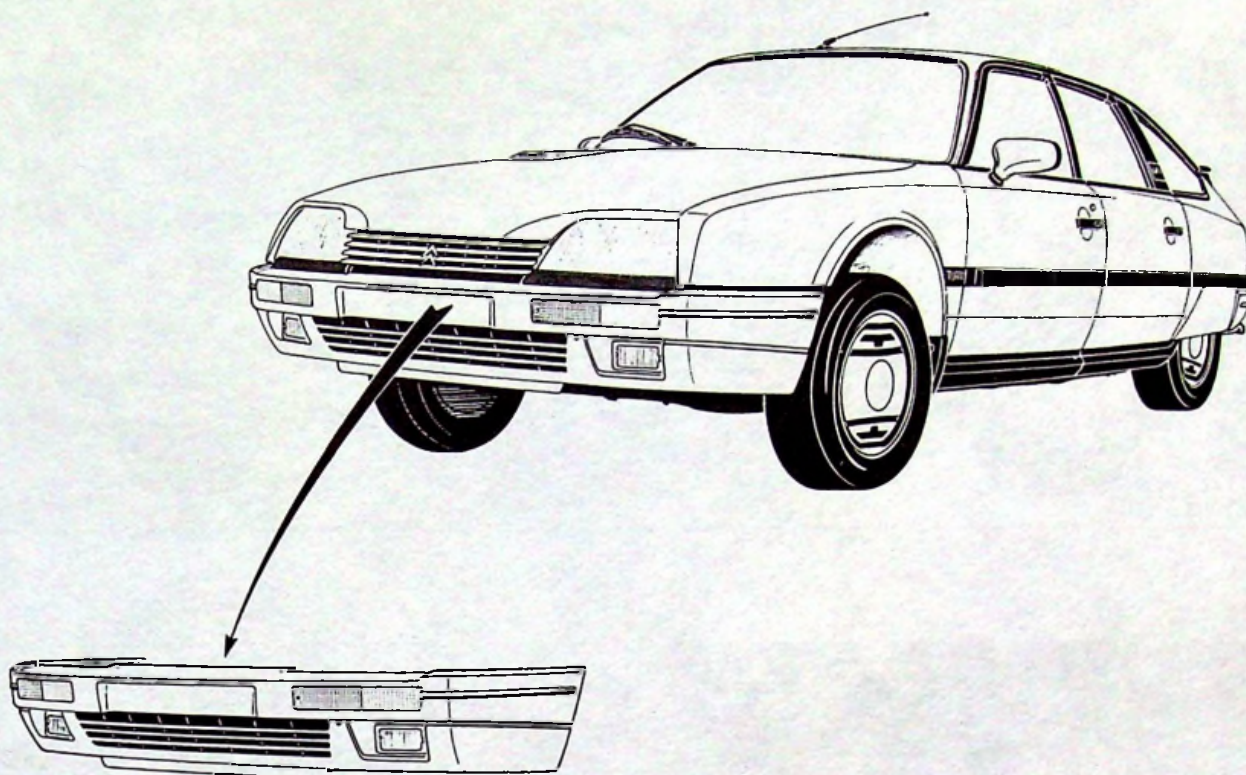


15

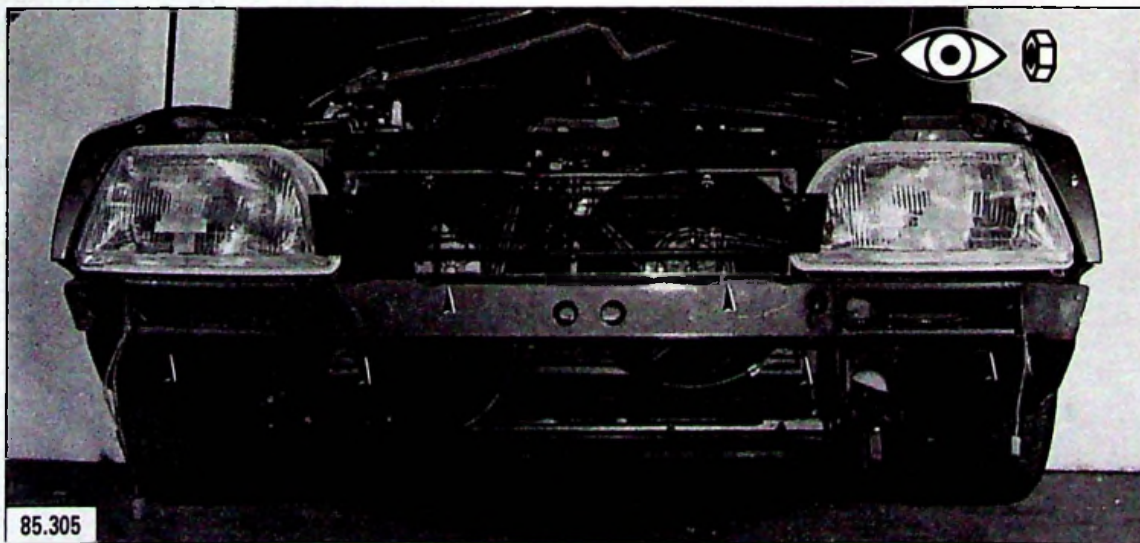
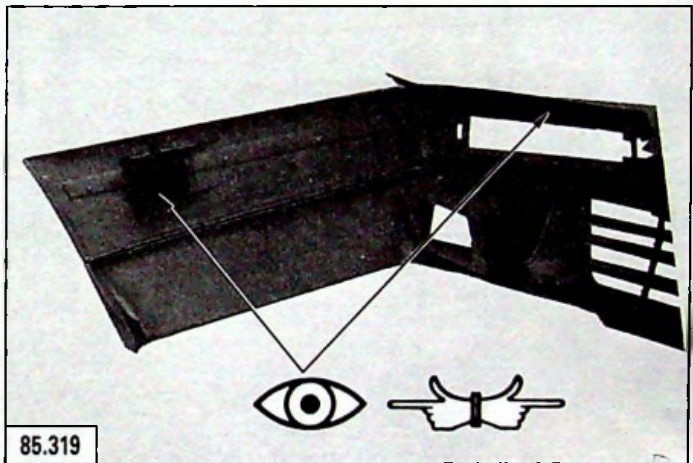
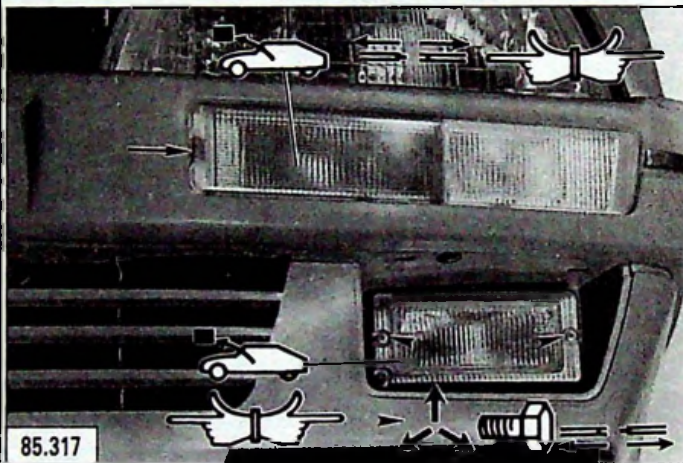
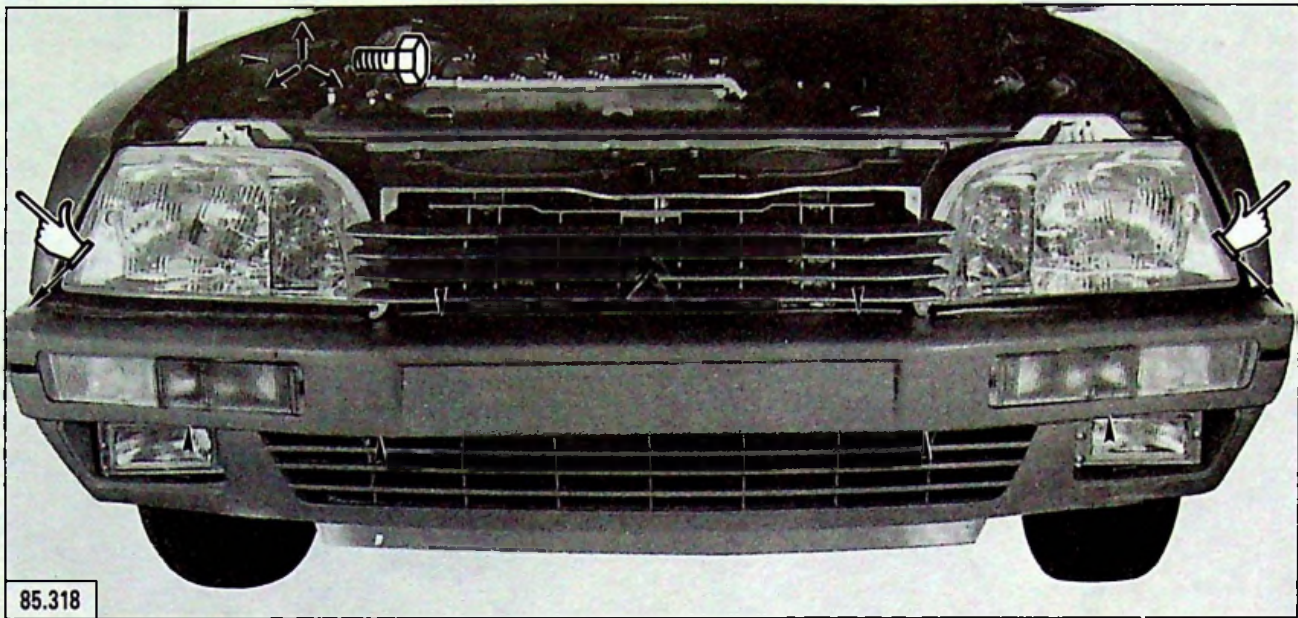


MA
851-1

1



L 80.97

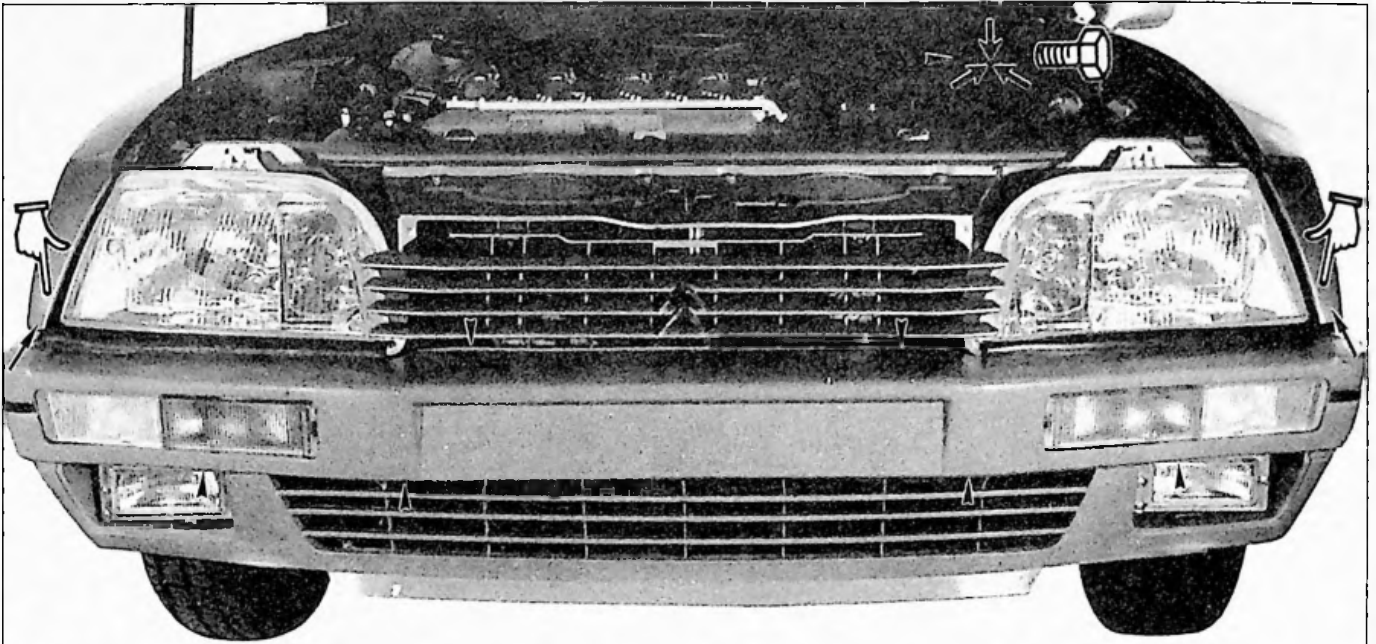




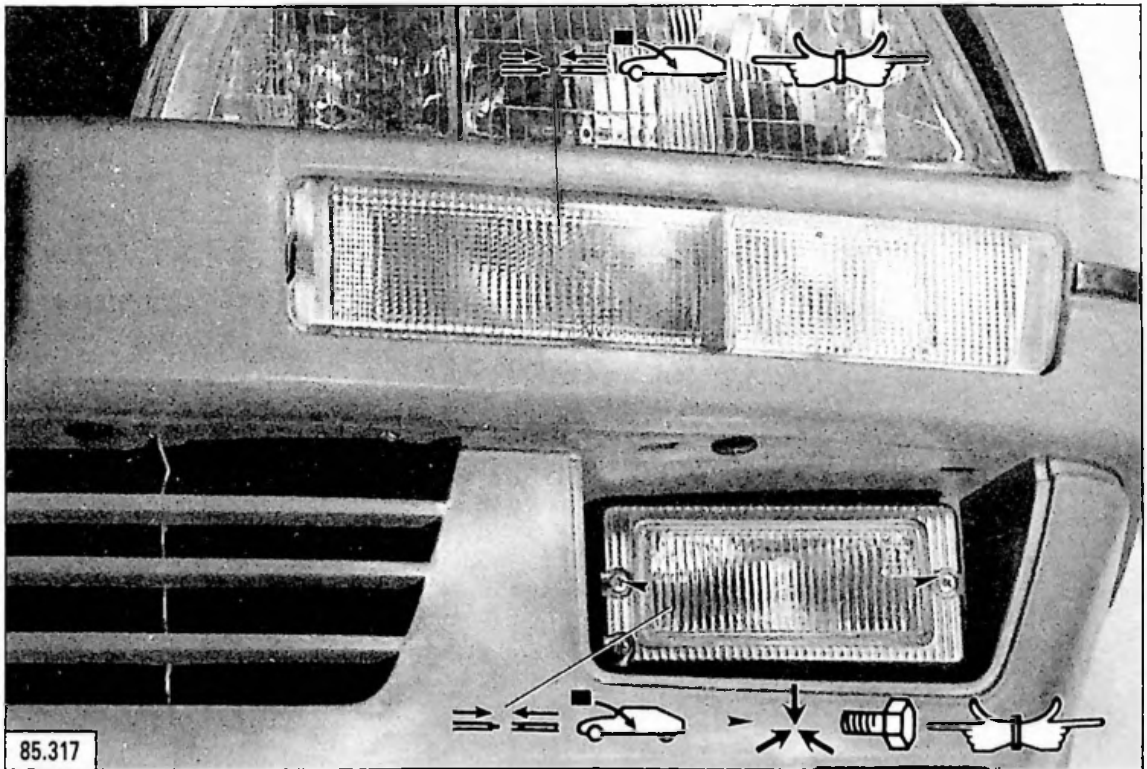
15

MA
851-1

3



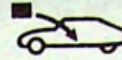
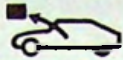
85.318



85.317

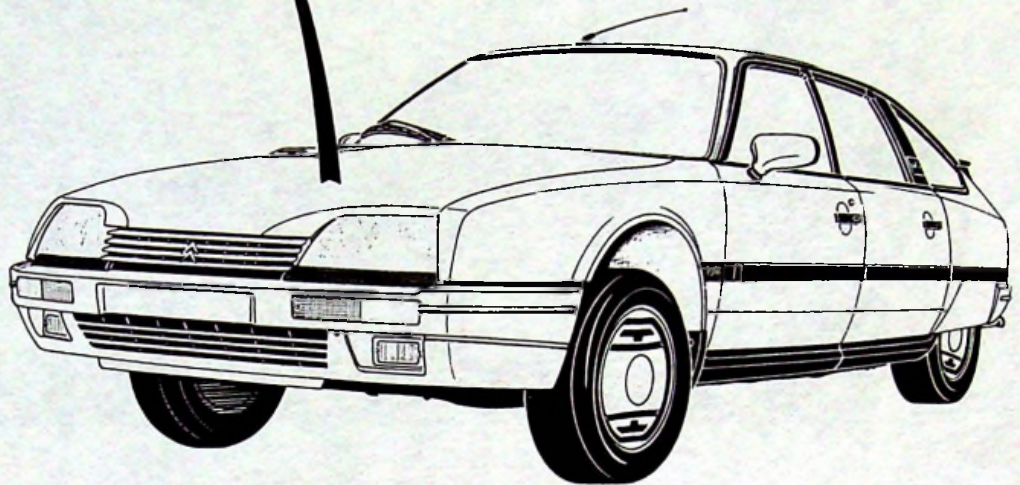


15

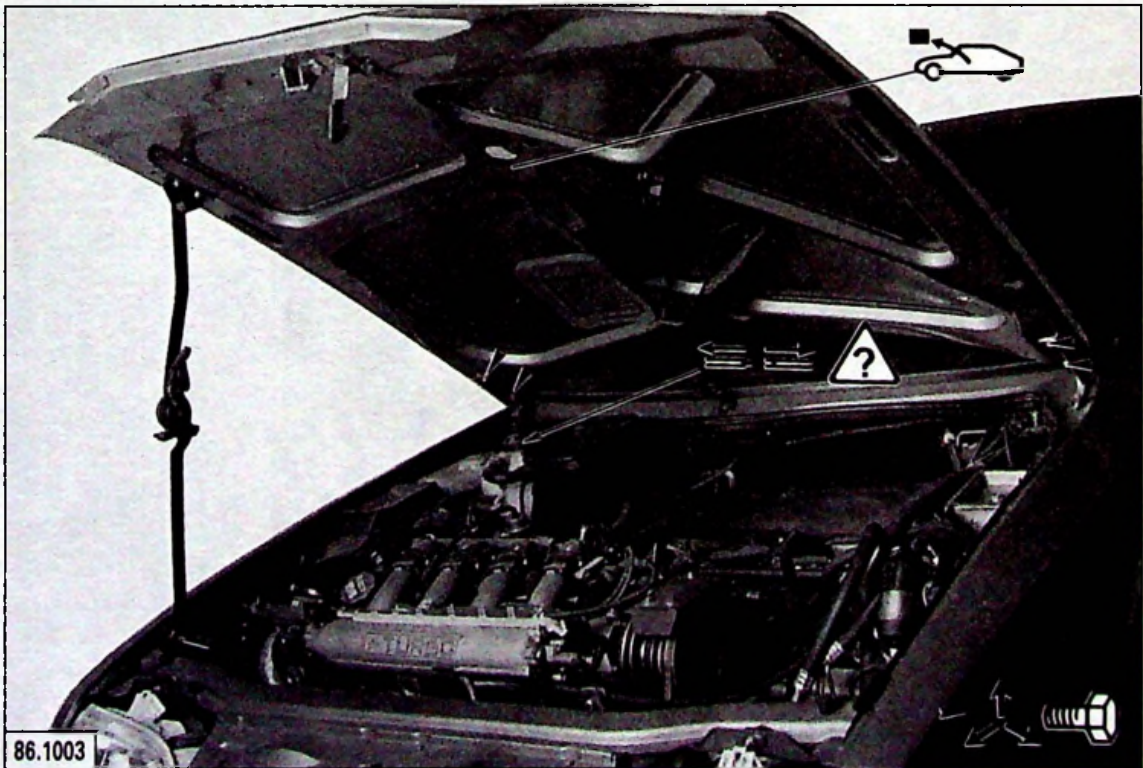


MA
851-2

1

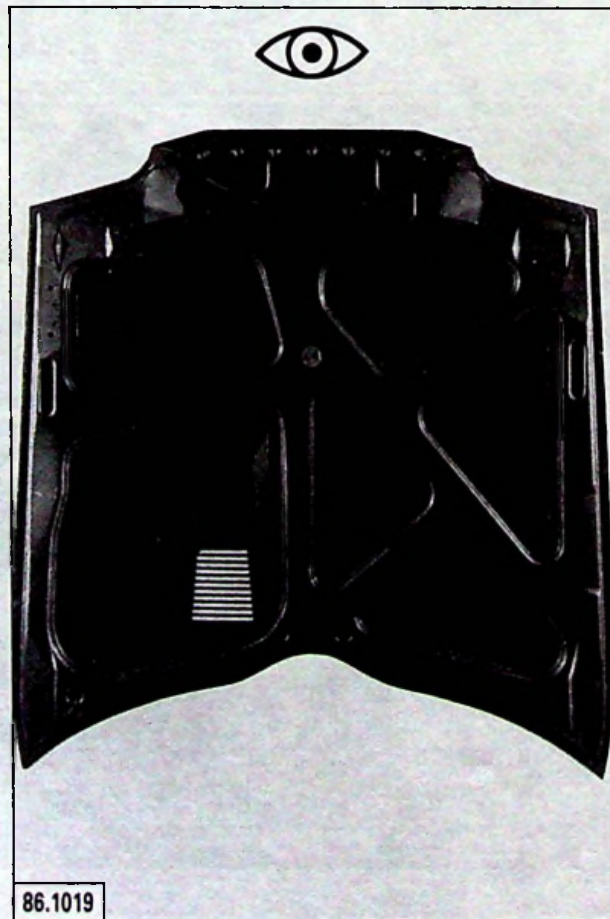
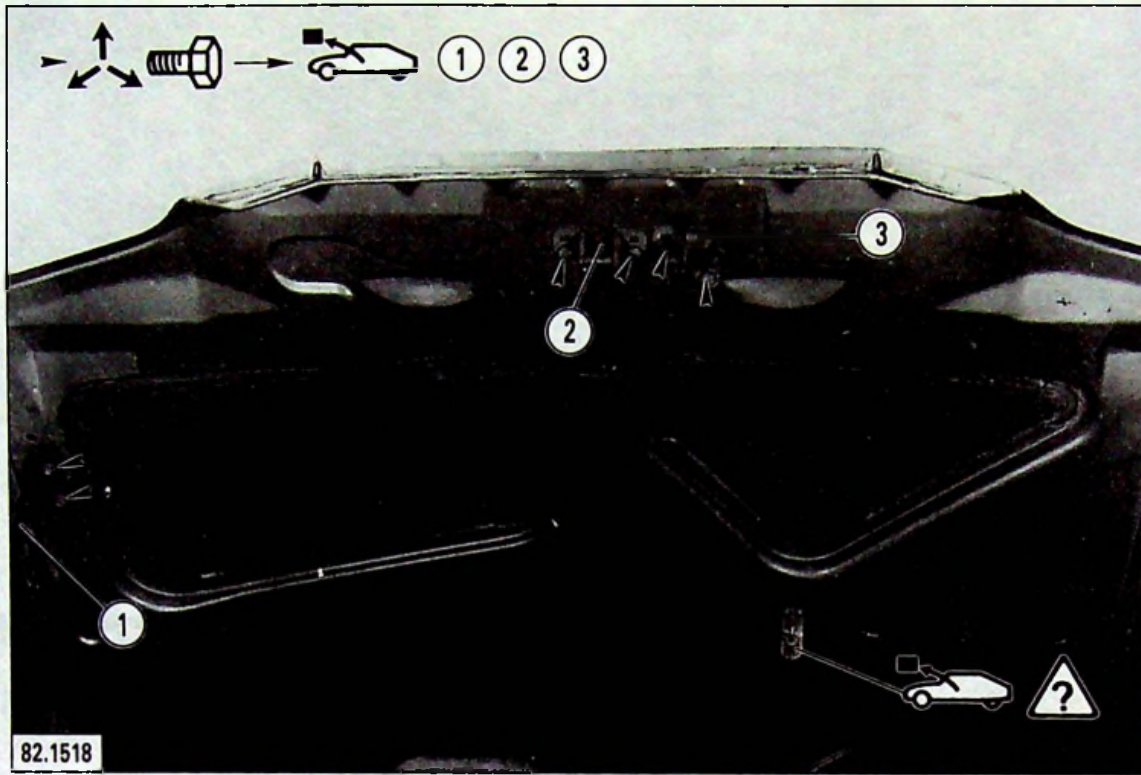


L 80.97



86.1003

*

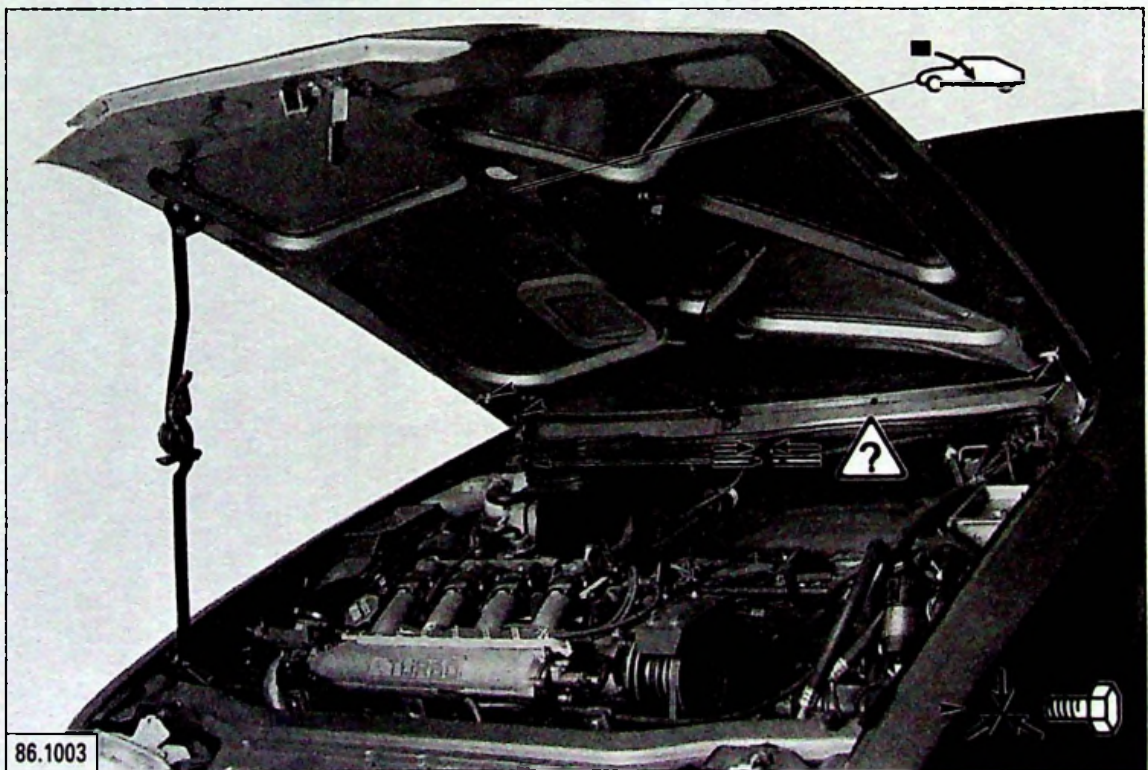
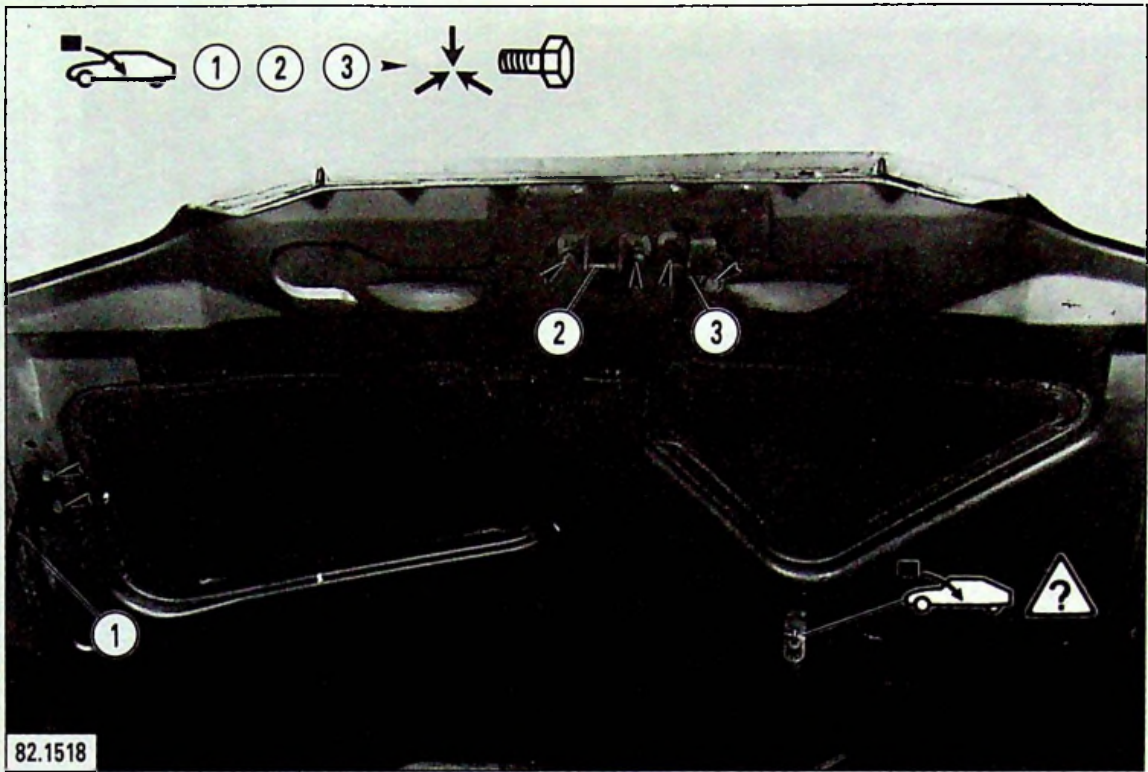




15

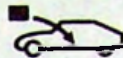
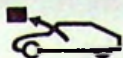
MA
851-2

3



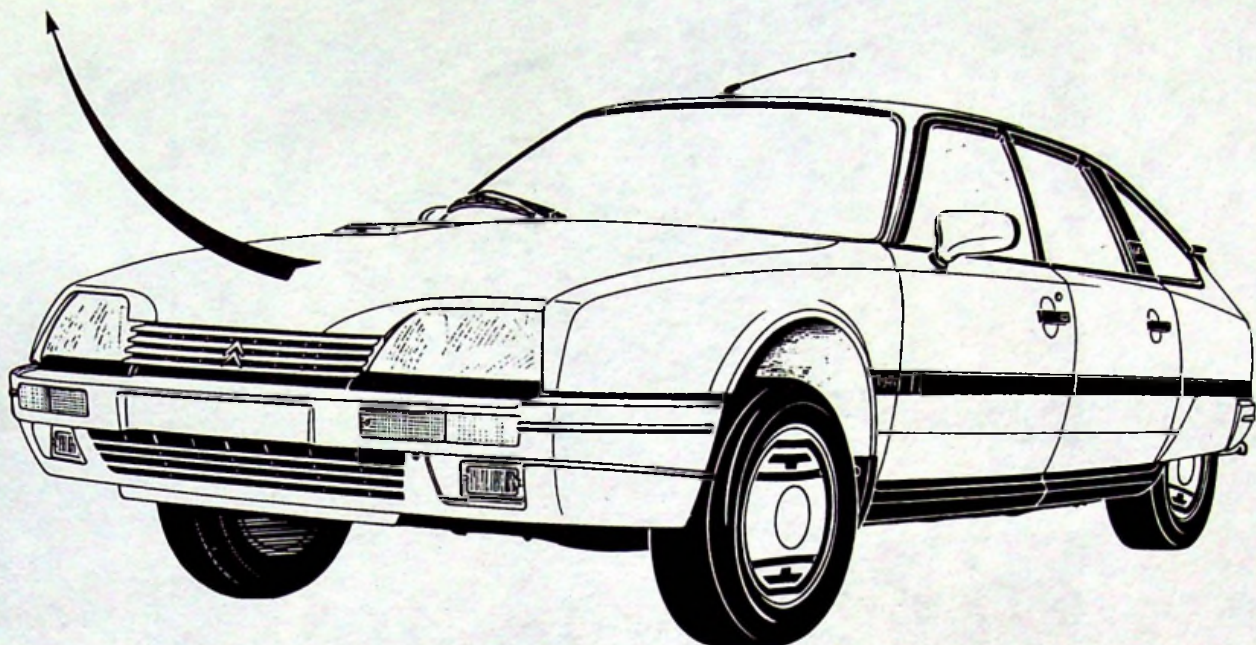


15

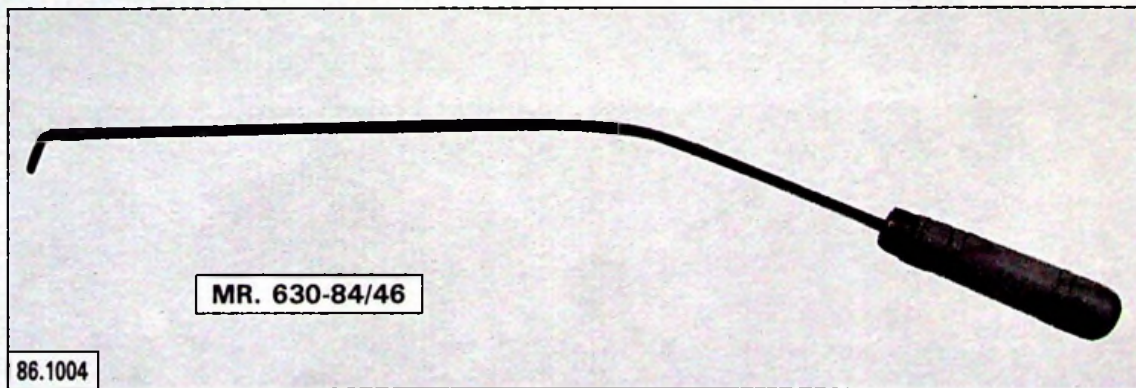


MA
851-3

1

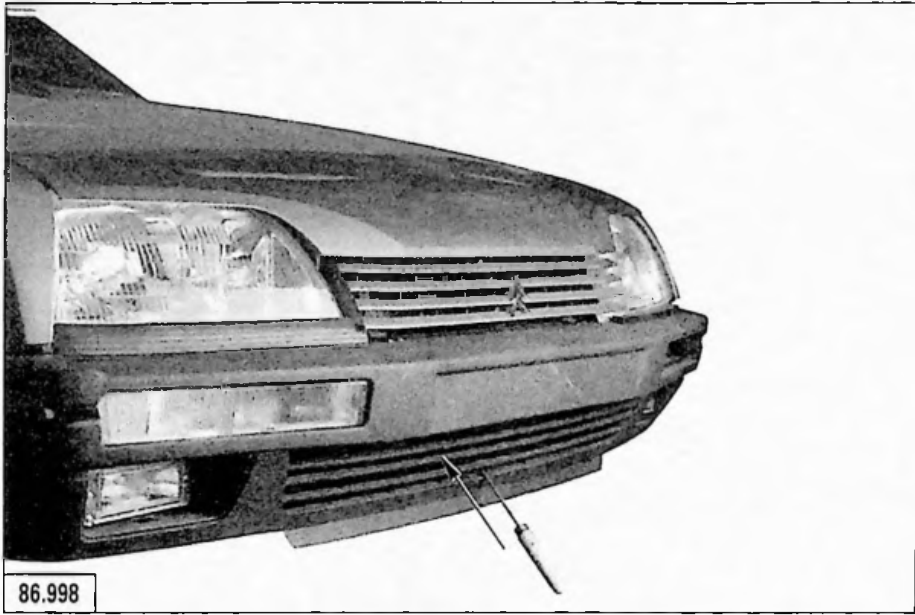


L 80.97

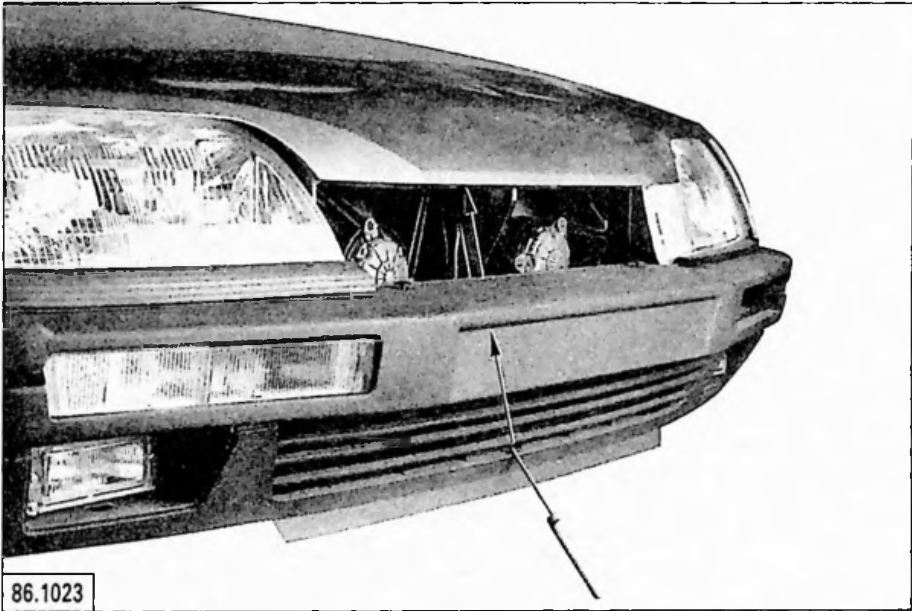


MR. 630-84/46

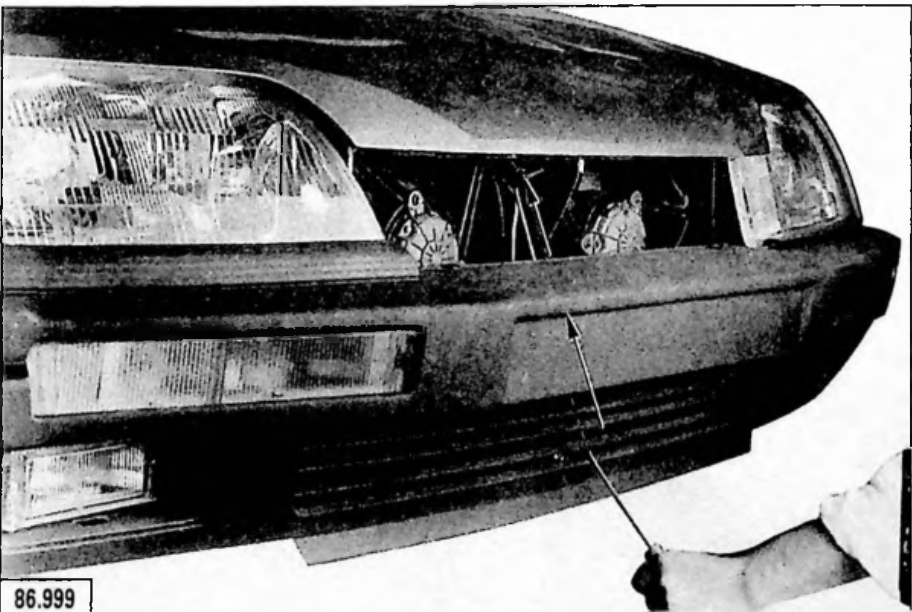
86.1004



86.998



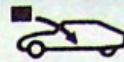
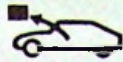
86.1023



86.999

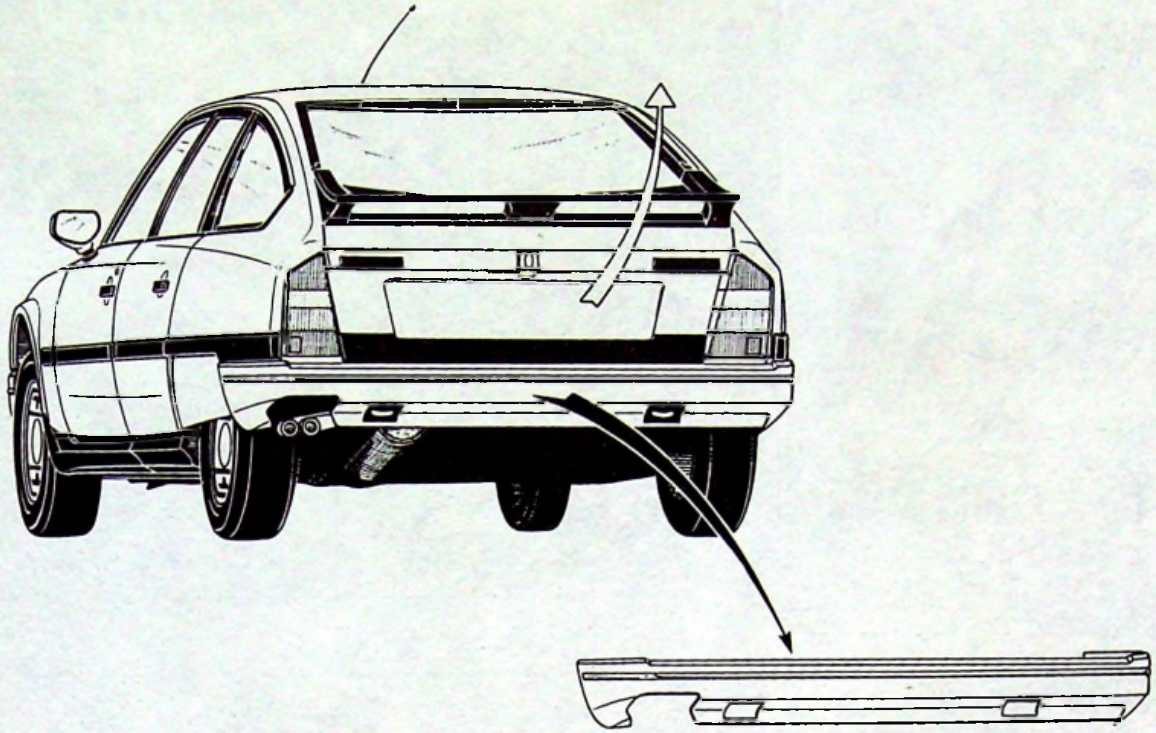


15

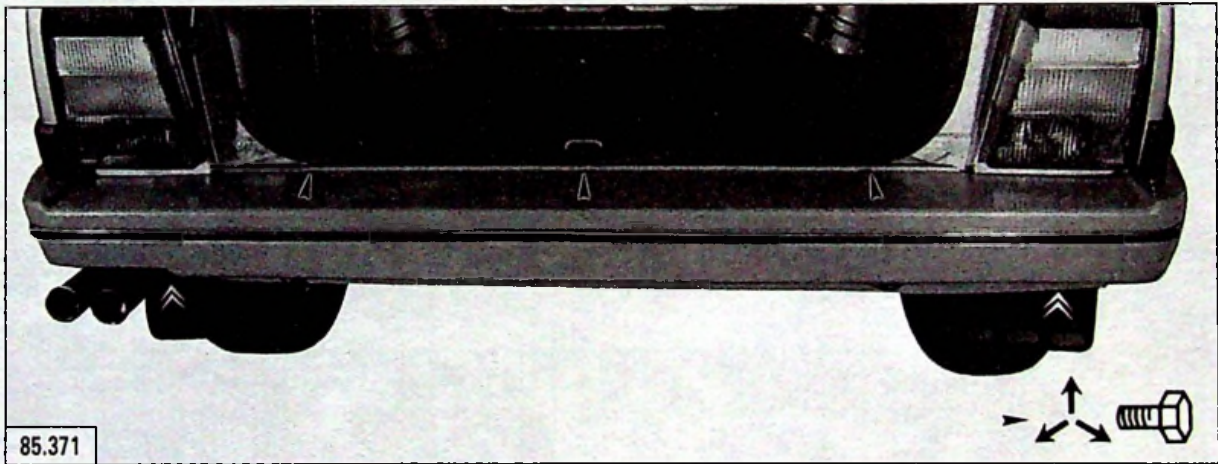


MA
853-1

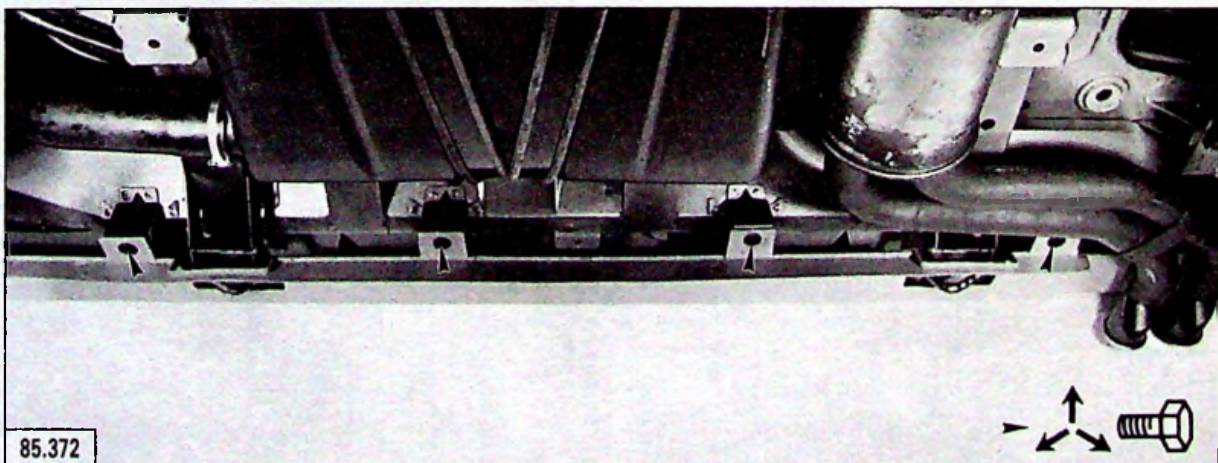
1



L 80.98

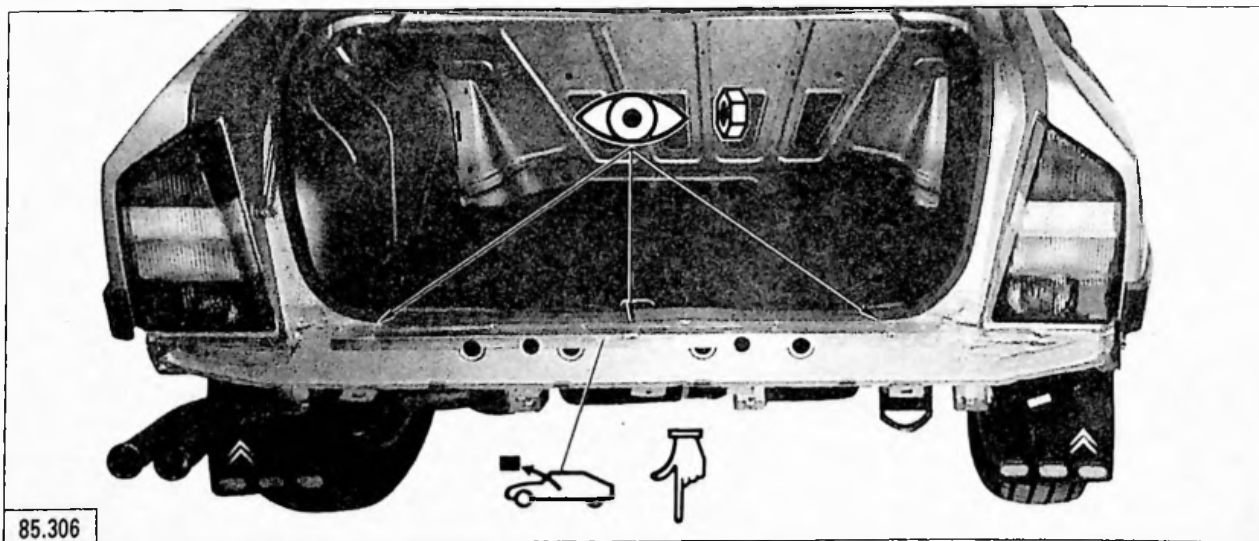
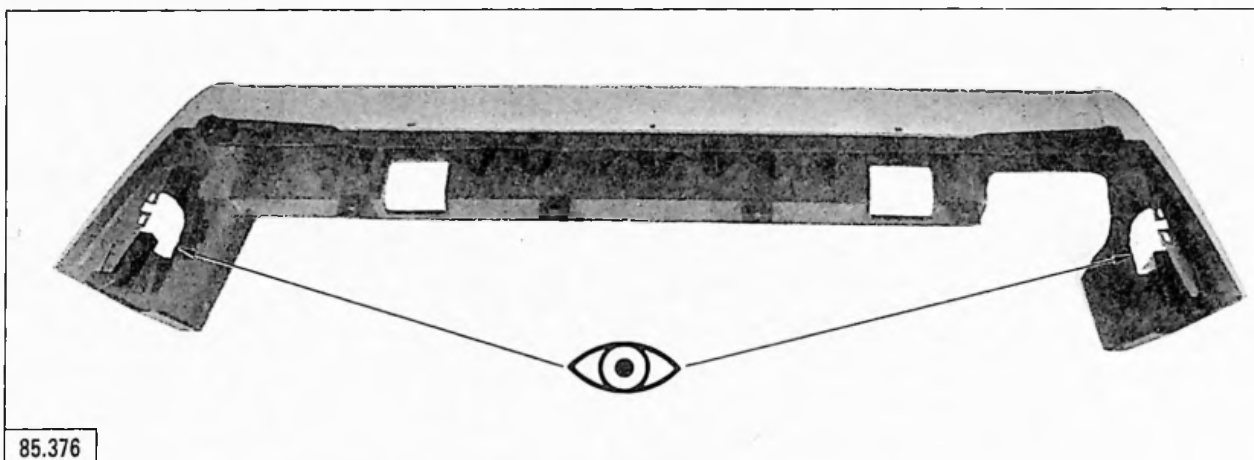
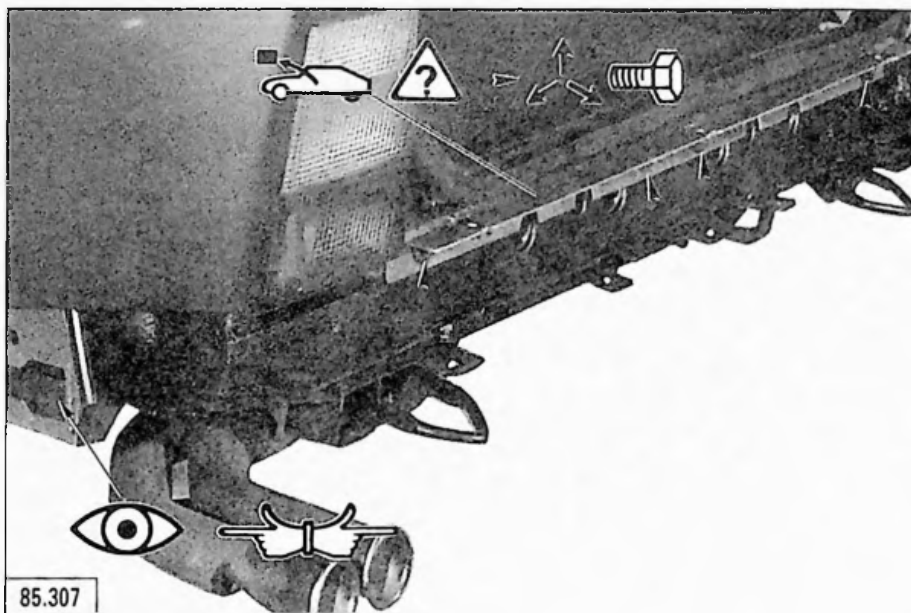
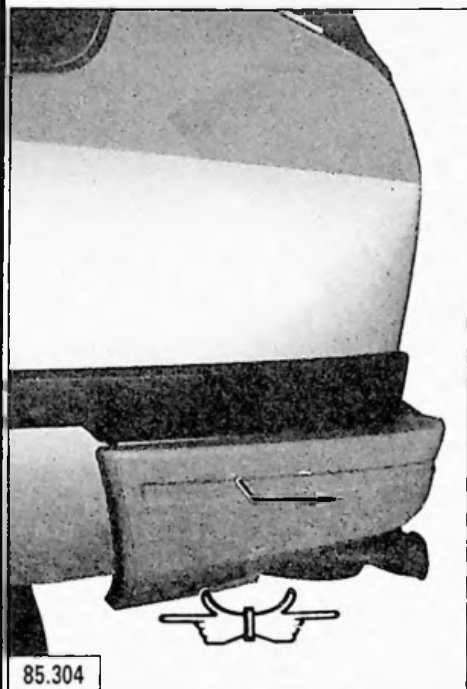


85.371



85.372

*

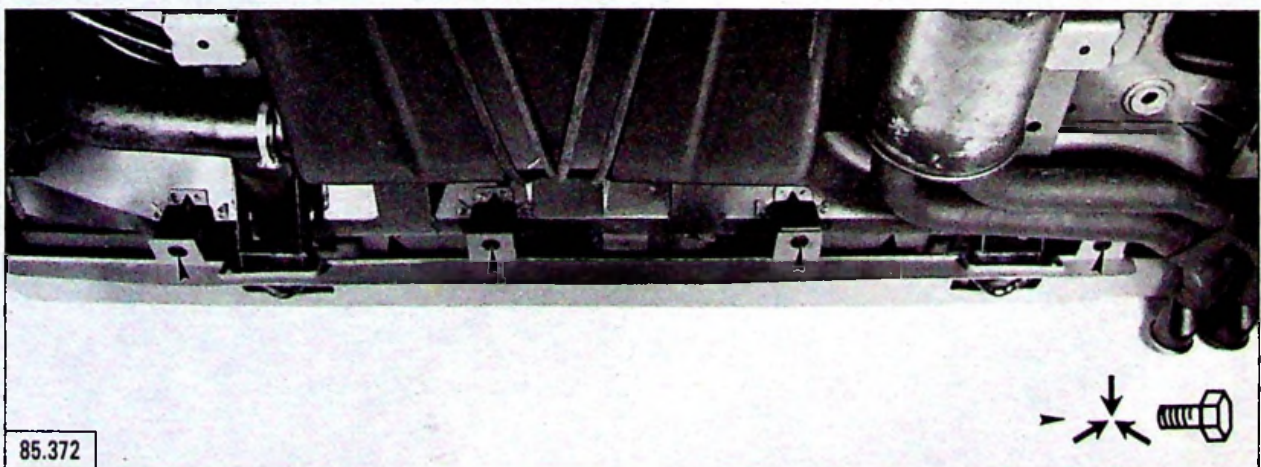
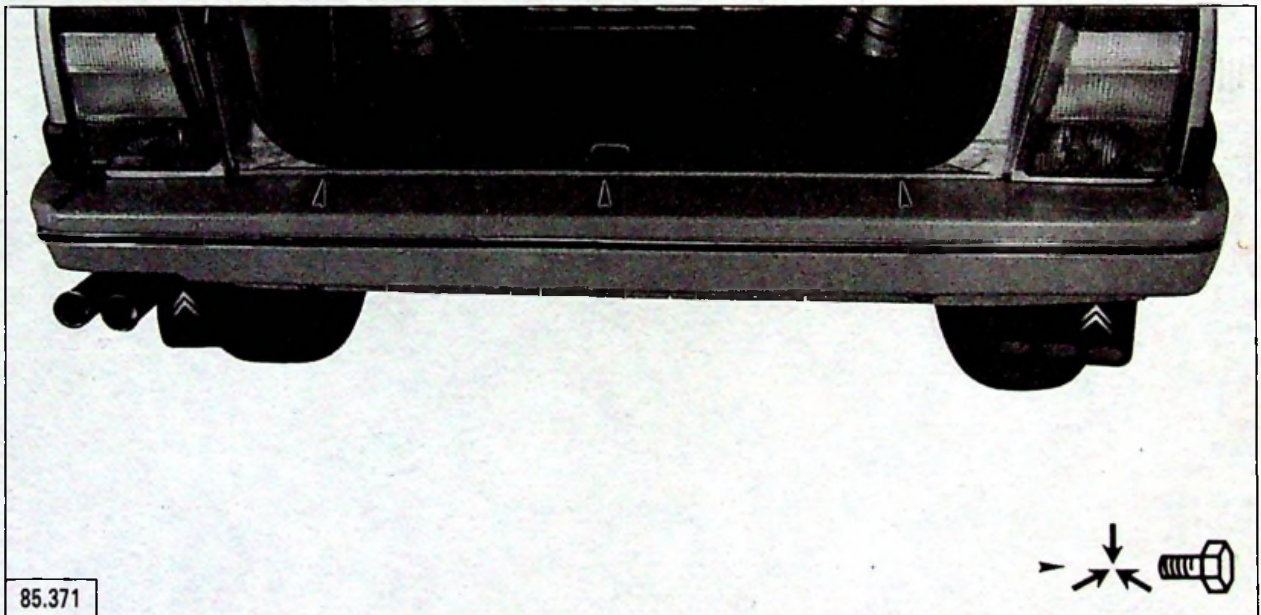
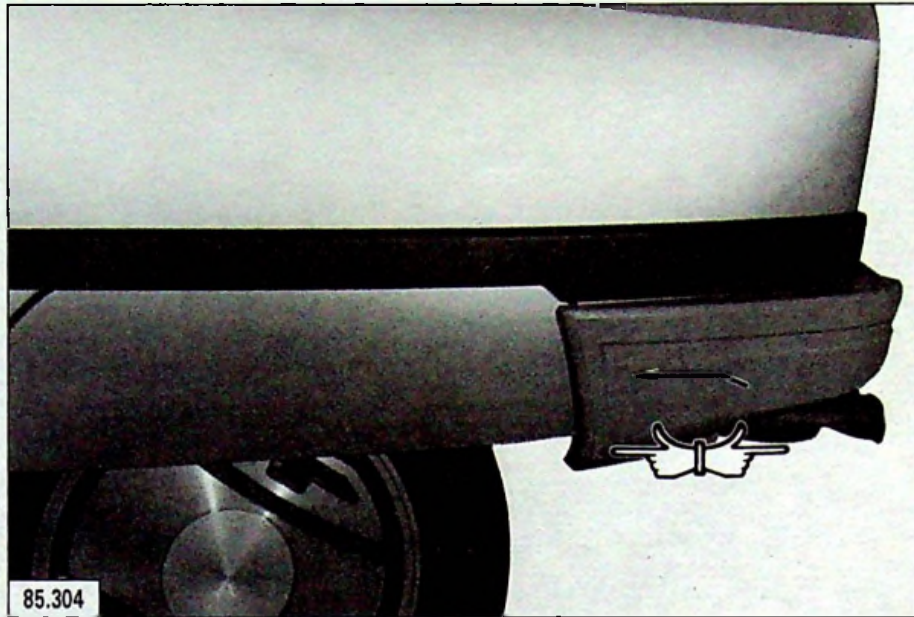




15

MA
853-1

3





15

GLACES DE CUSTODE

MA
853.2

1

REPLACEMENT D'UNE GLACE DE CUSTODE

**OUTILLAGE : Fig. I**

- 1 - Outil pour découpage du cordon adhésif à l'aide d'une corde à piano **Référence 7503-T.**
- 2 - Pistolet pour extruder l'adhésif-joint
- 3 - Jeu de ventouses
- 4 - Outil pour suppression des restes de cordon après dépose de la glace **MR.630-84/43**, ou ciseau à bois affûté suivant dessin de la figure.

PRODUIT : Fig. II

	Référence
«GURIT»	
Kit de collage	ZC 9 867 511 U
Cartouche de mastic adhésif	ZC 9 867 447 U
«BOSTIK»	
Kit de collage	ZCP 830-002
Cartouche de mastic adhésif	ZCP 830-003

PROTECTION

Porter des lunettes de protection pendant l'opération de découpage de l'adhésif-joint (en cas de rupture de la glace.)

ATTENTION : Tout collage effectué avec des produits autres que ceux préconisés est rigoureusement interdit.

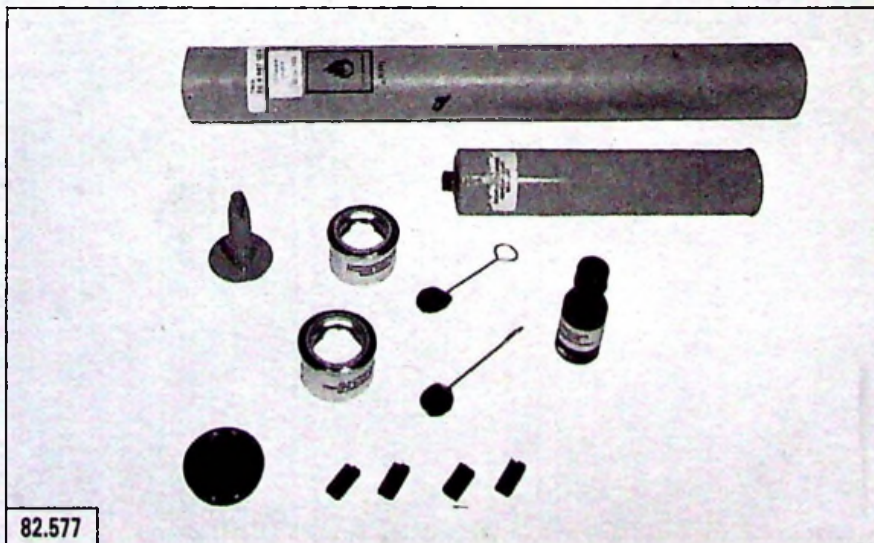
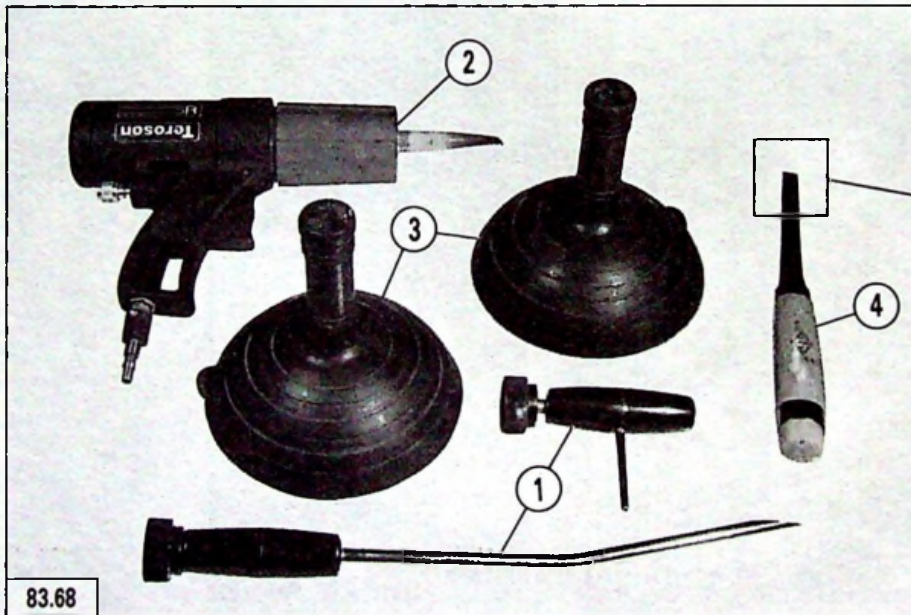
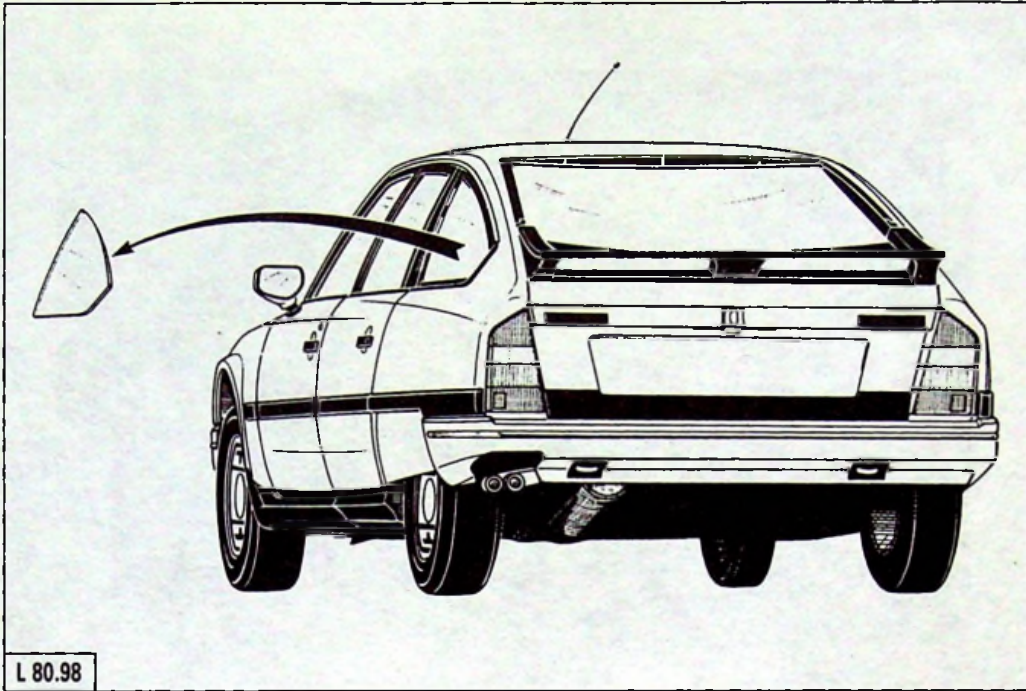
La glace participe à la rigidité de l'ensemble qui la supporte et pour remplir cette condition, il est indispensable d'avoir un collage de très bonne qualité.

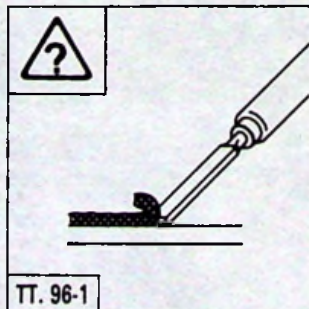
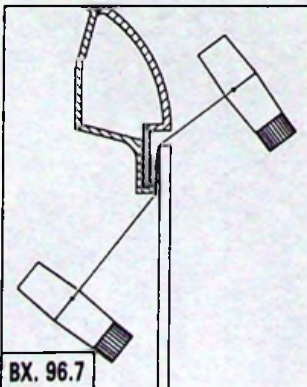
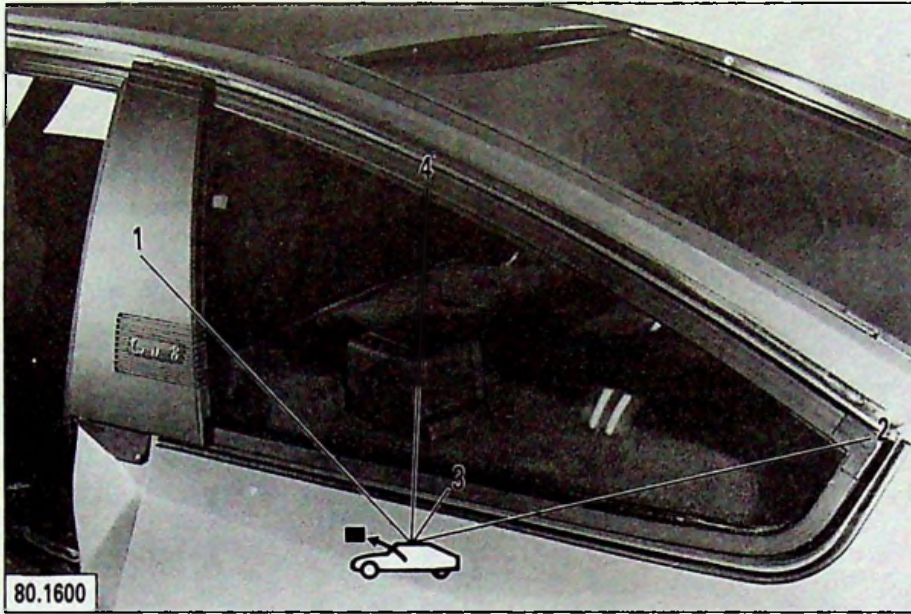


15

MA
853-2

3







15

MA
853-2

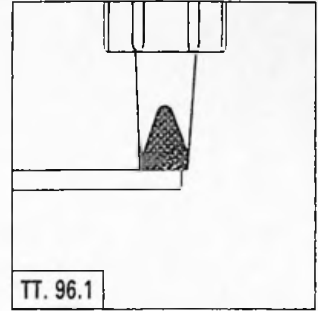
5



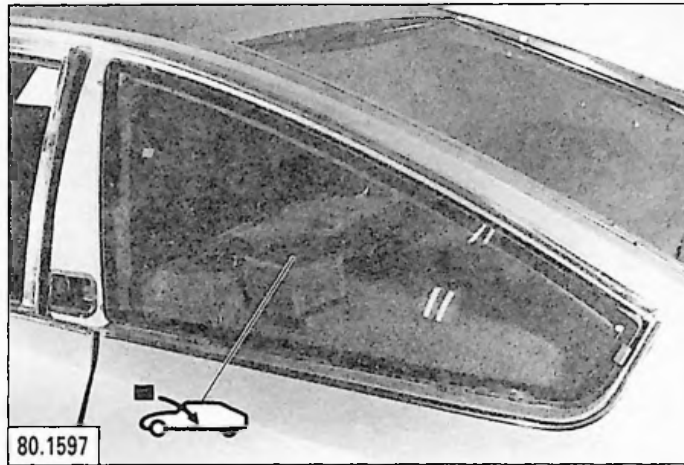
BX. 96-7



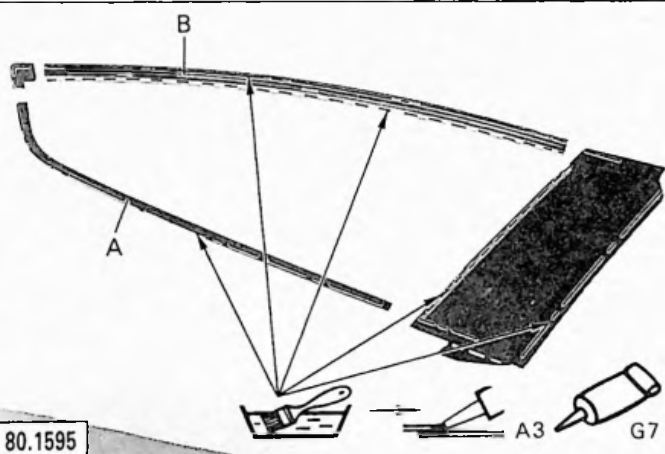
TT. 96.1



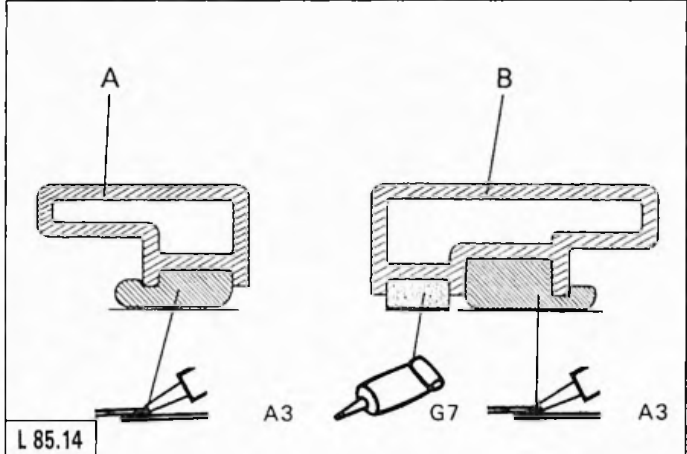
TT. 96.1



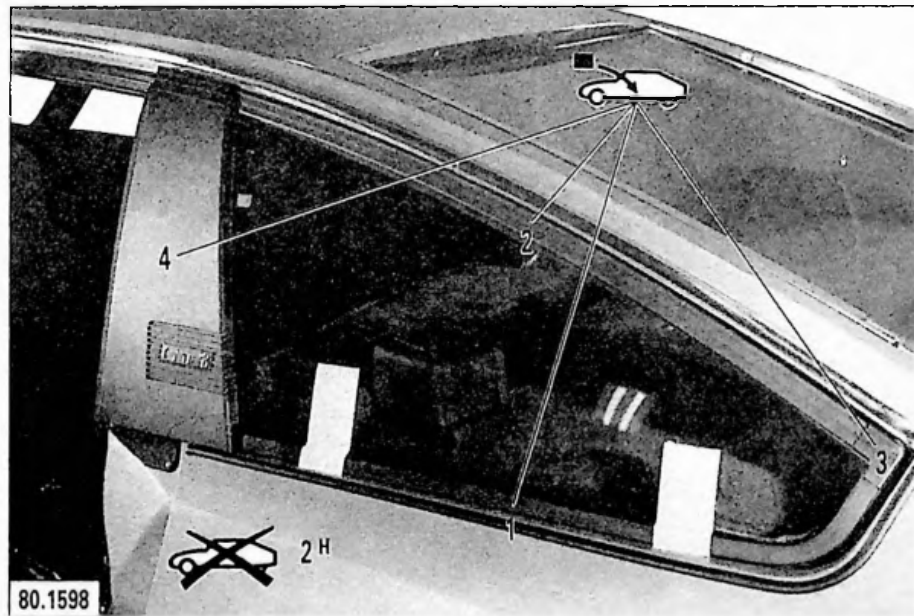
80.1597



80.1595



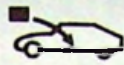
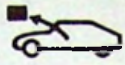
L 85.14



80.1598

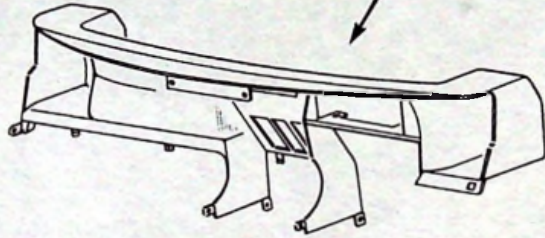
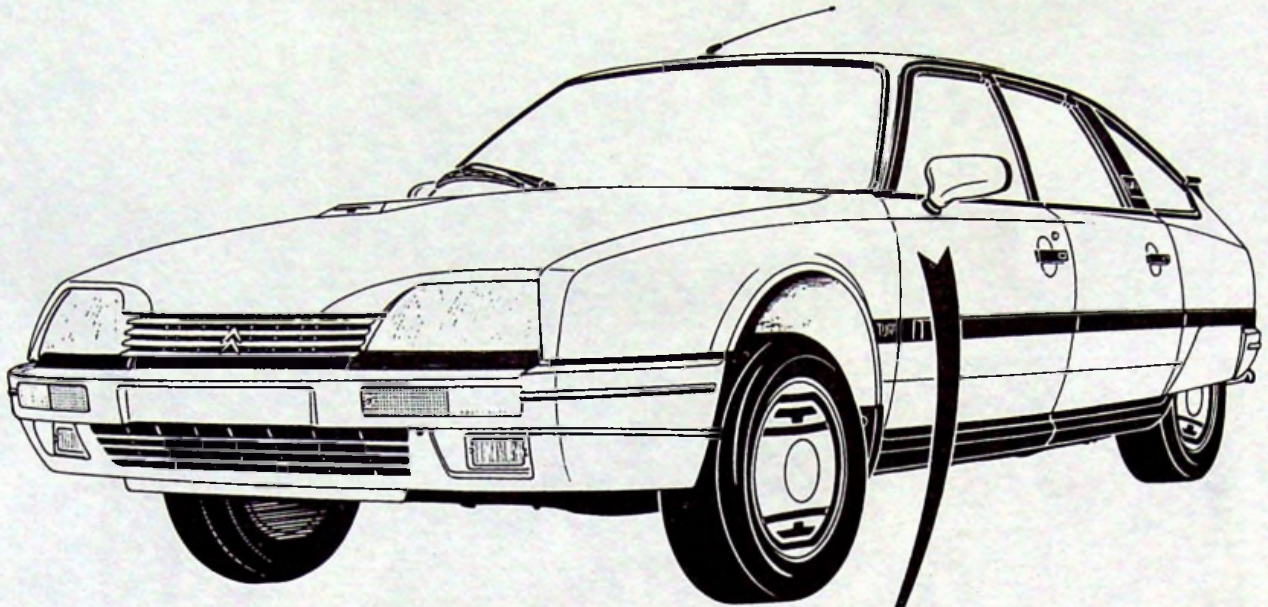


15



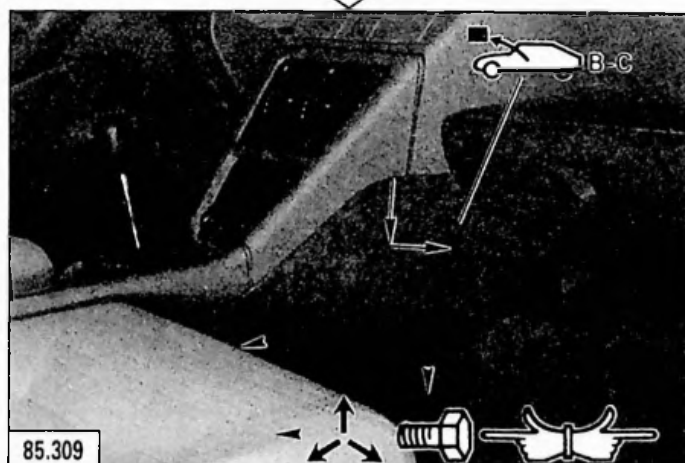
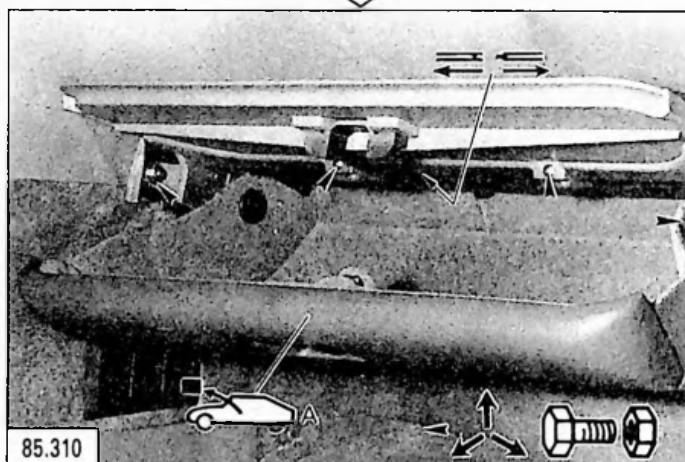
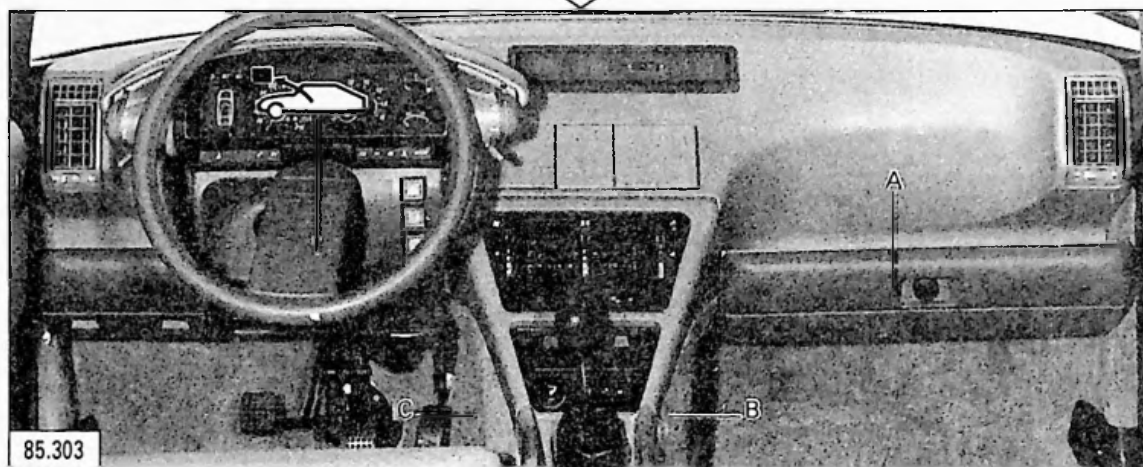
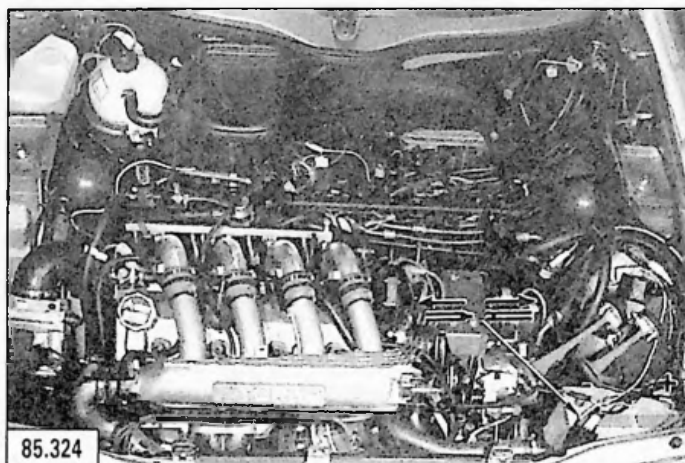
MA
856-1

1



L 80.97



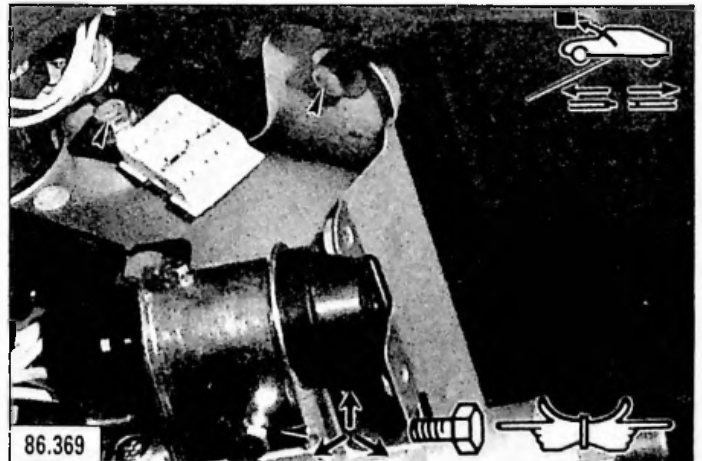
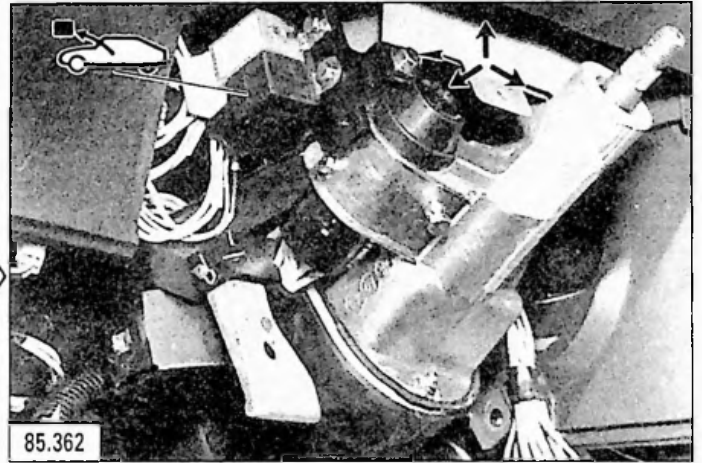
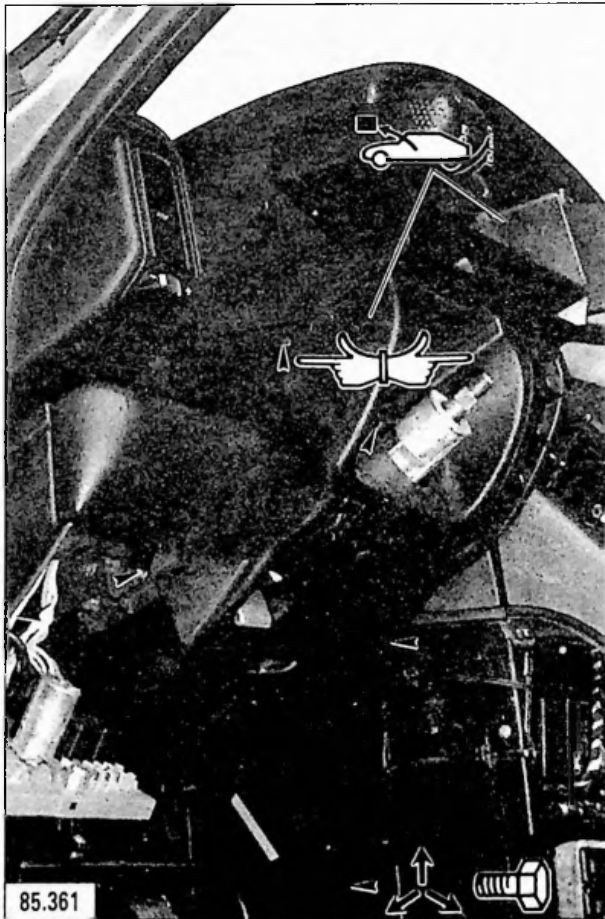
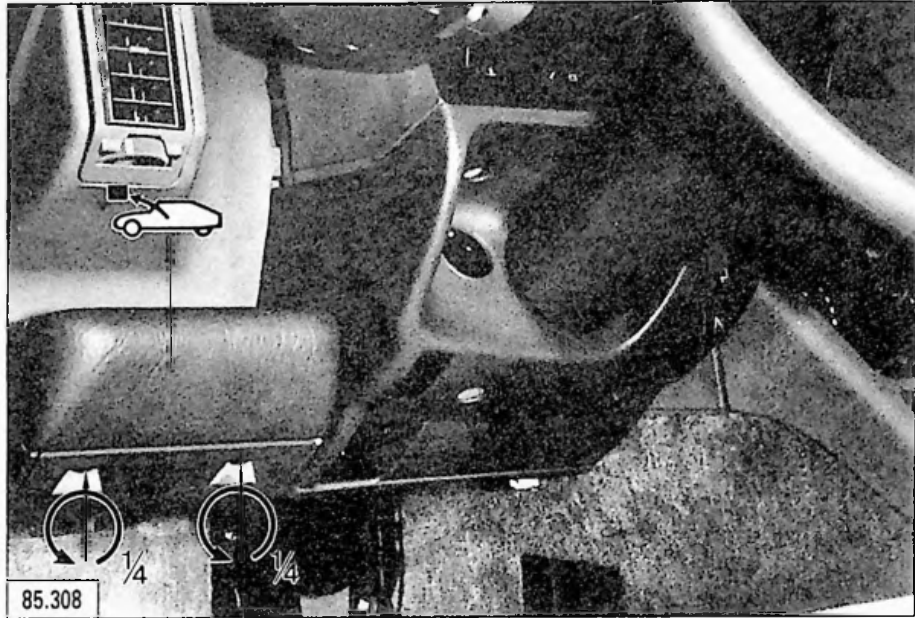


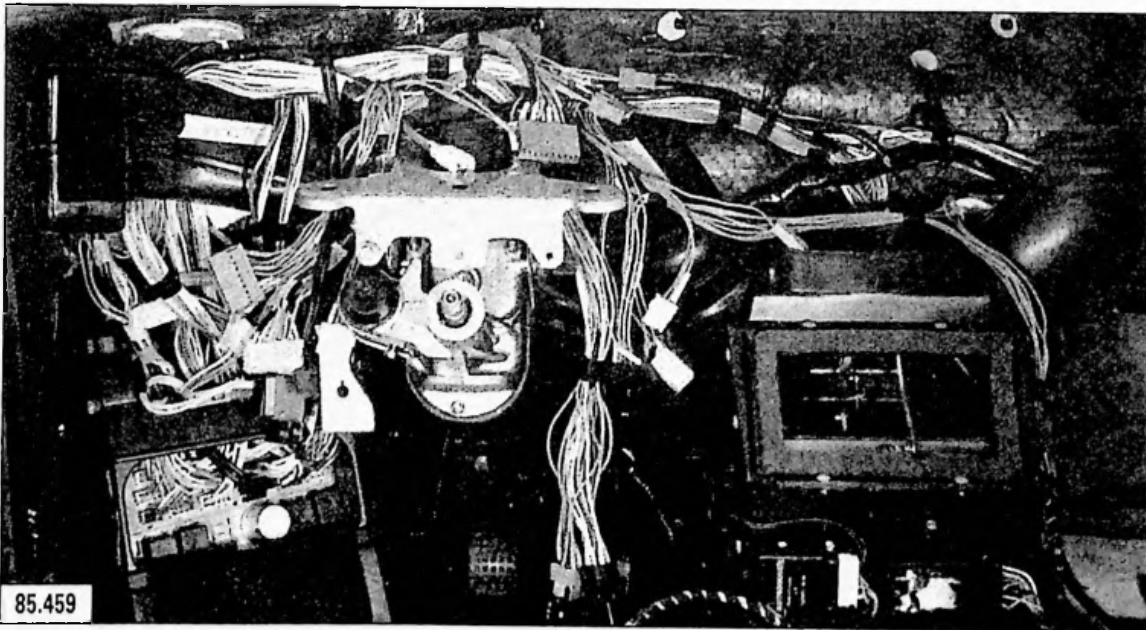
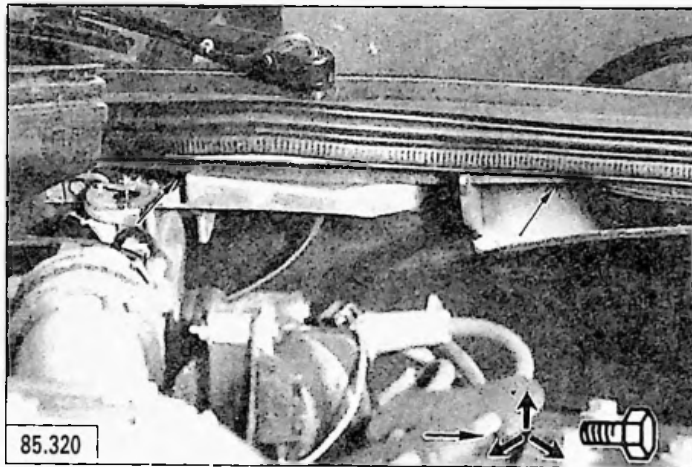
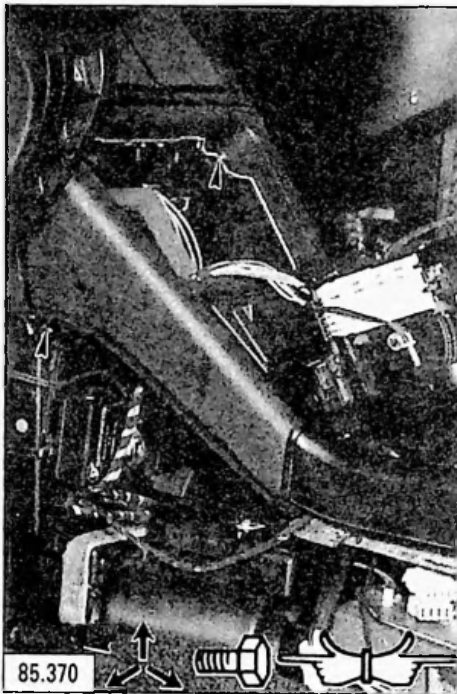
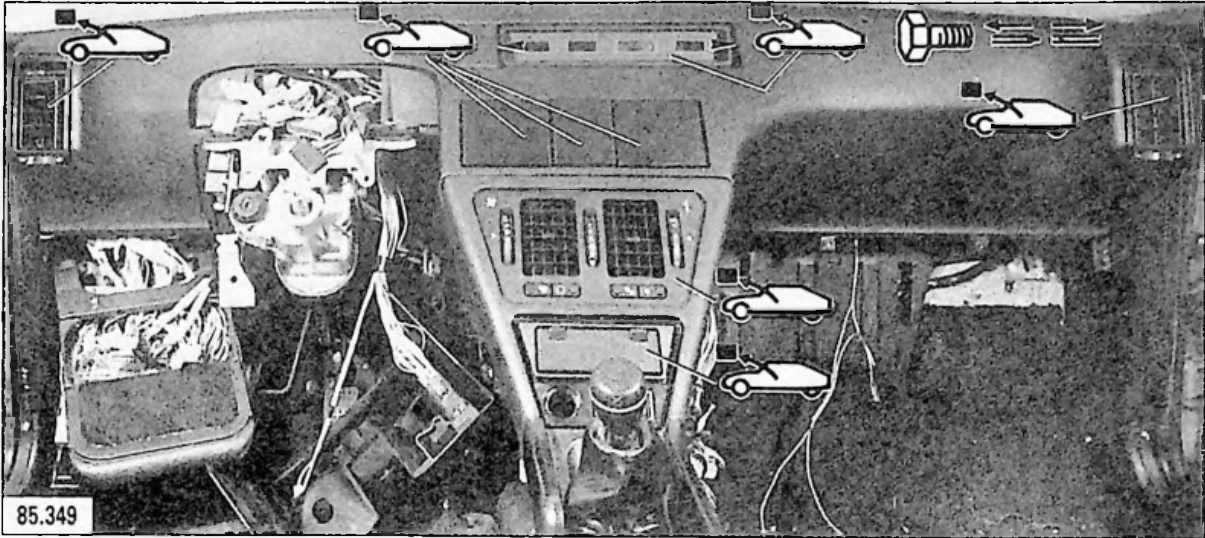


15

MA
856-1

3



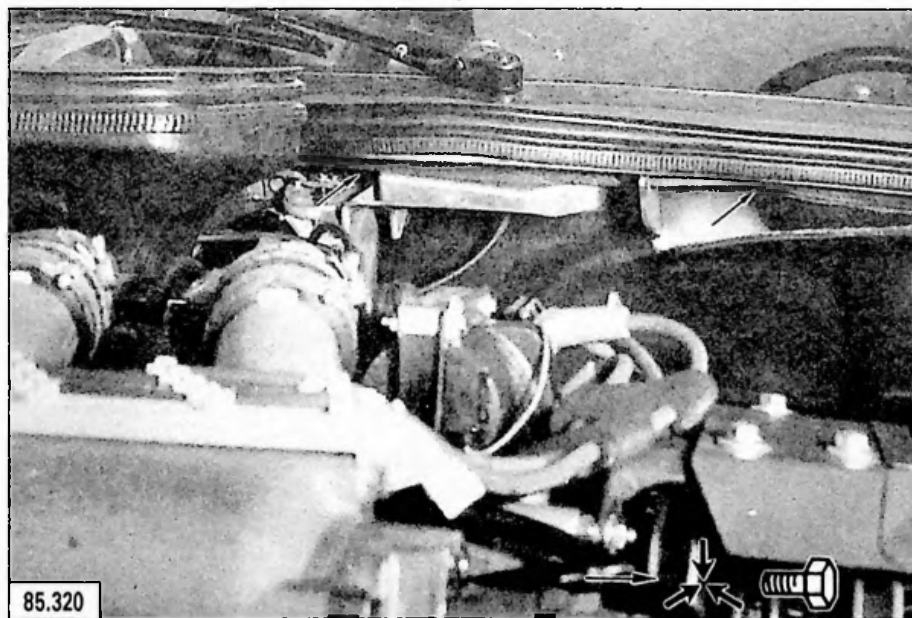
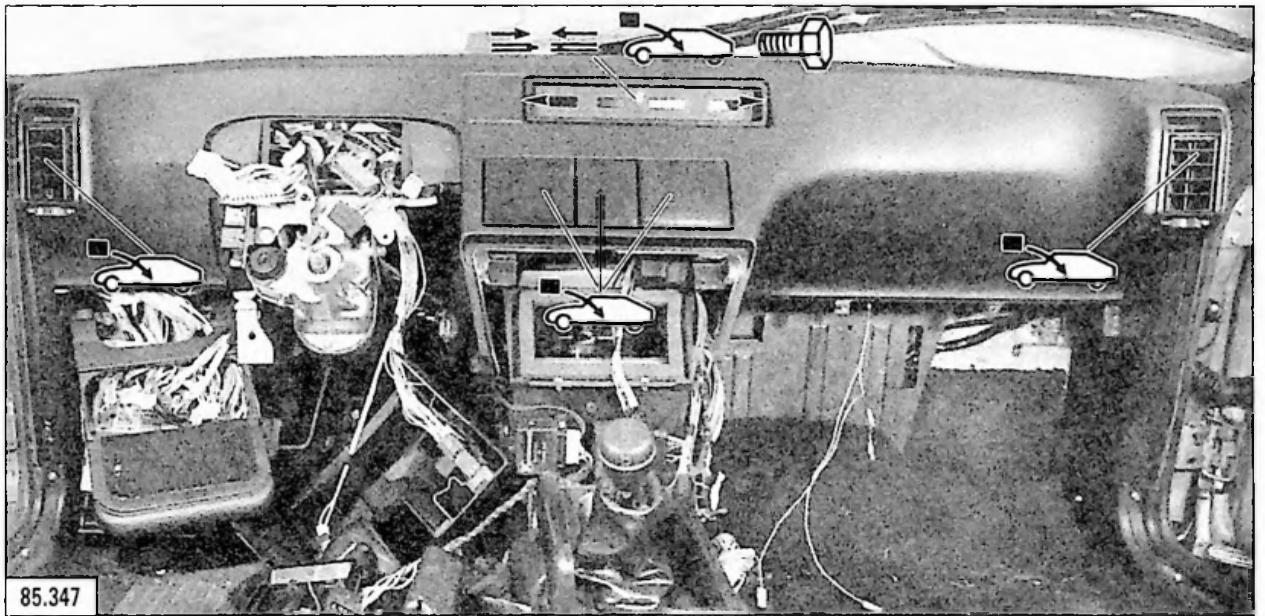
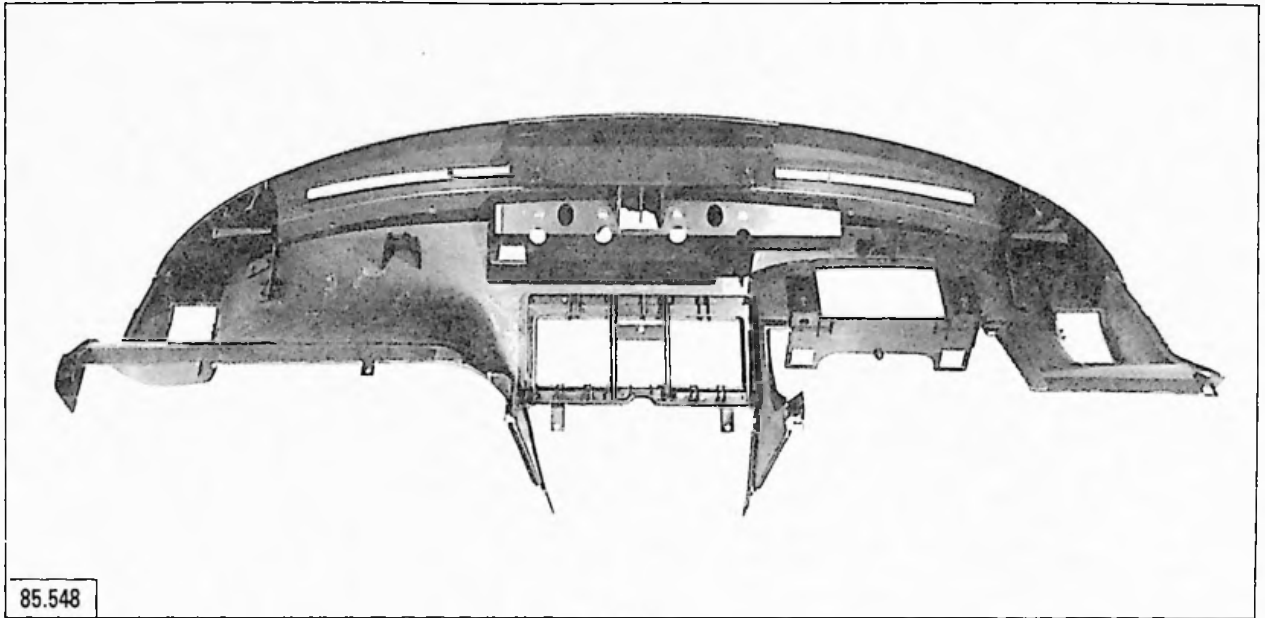


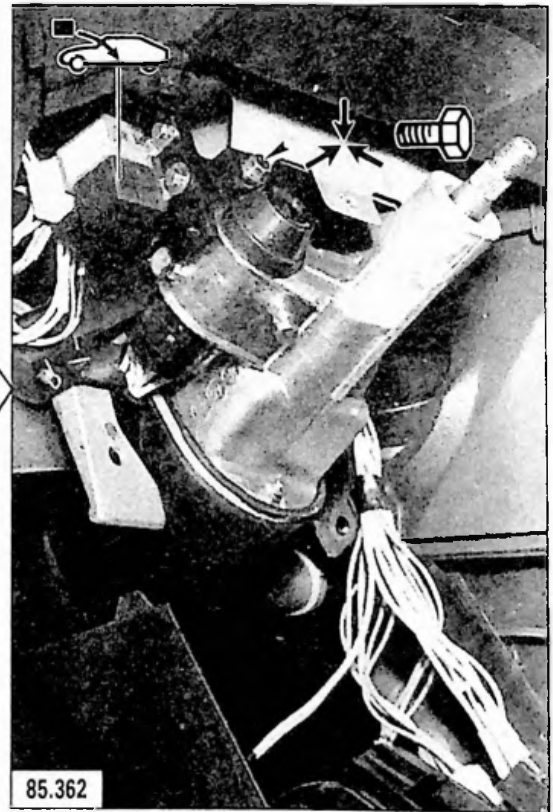
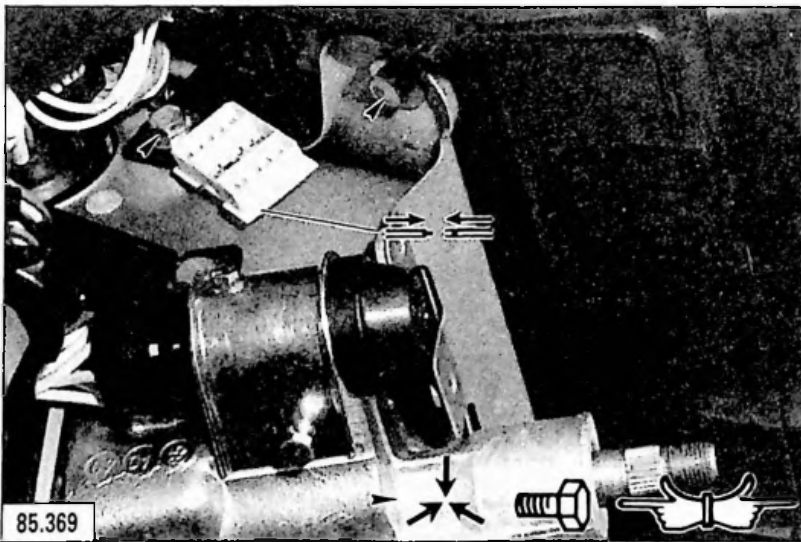
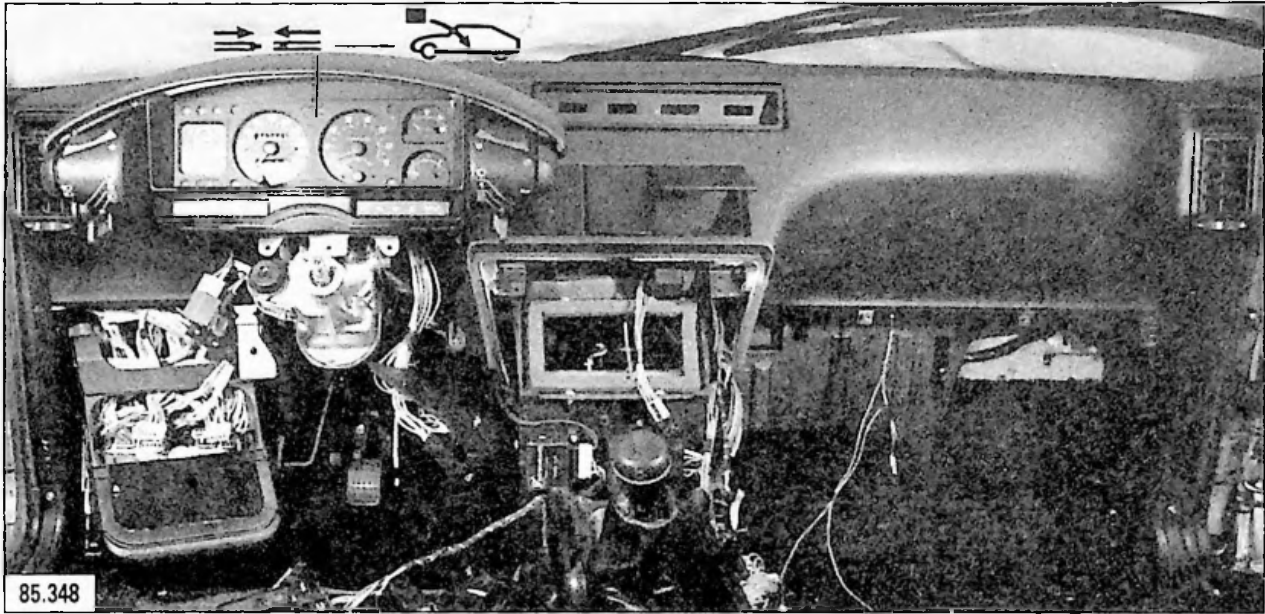


15

MA
856-1

5



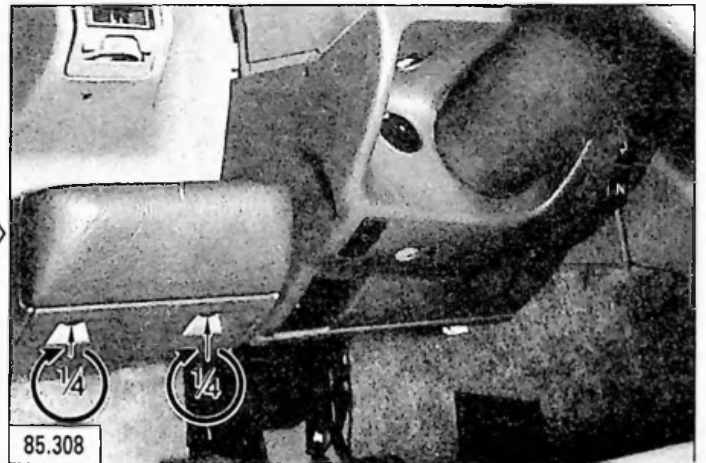
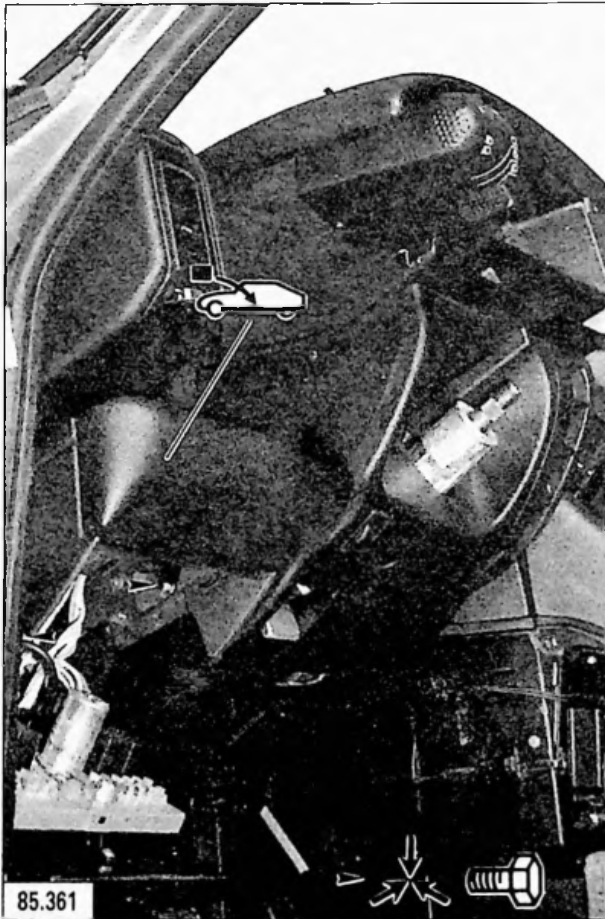
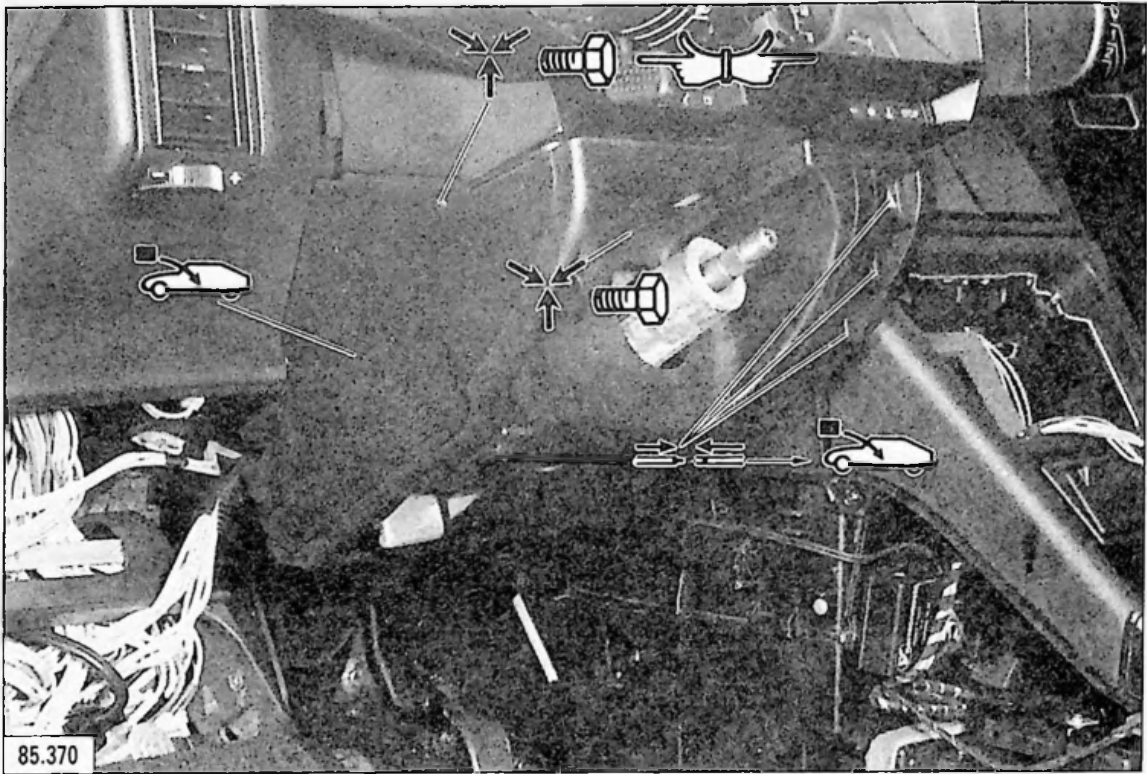




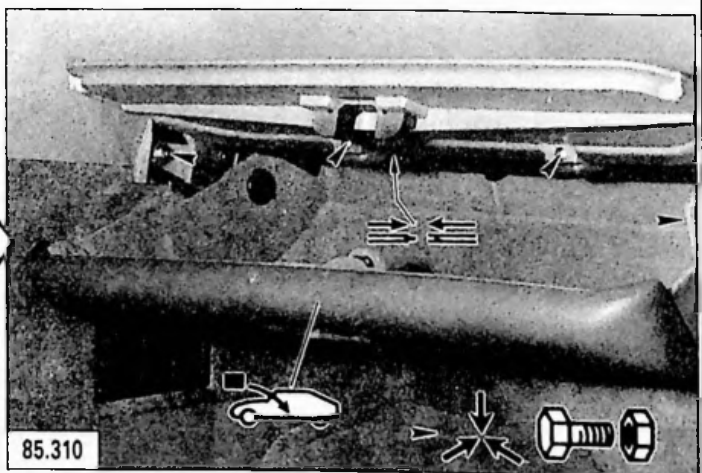
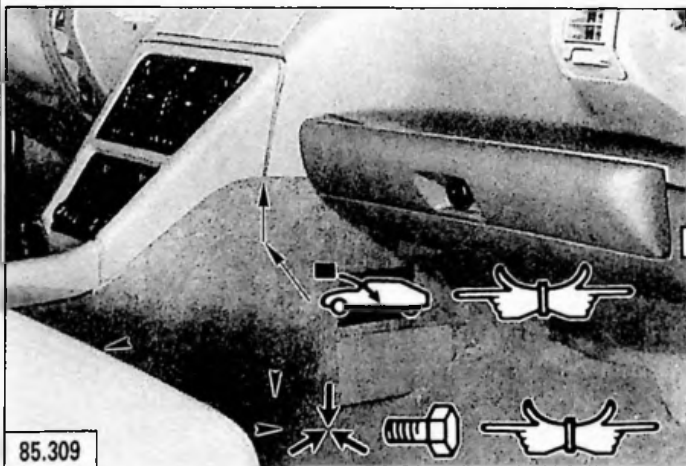
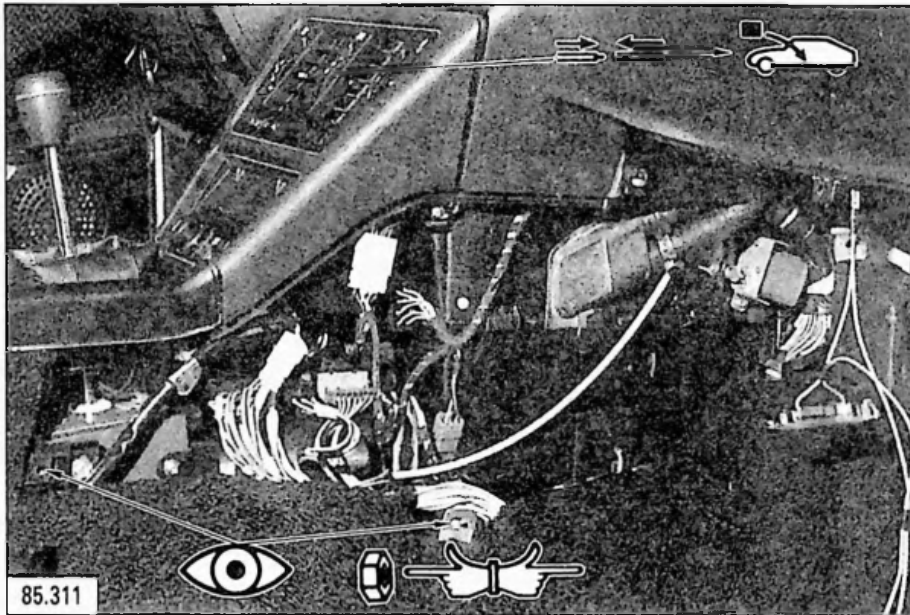
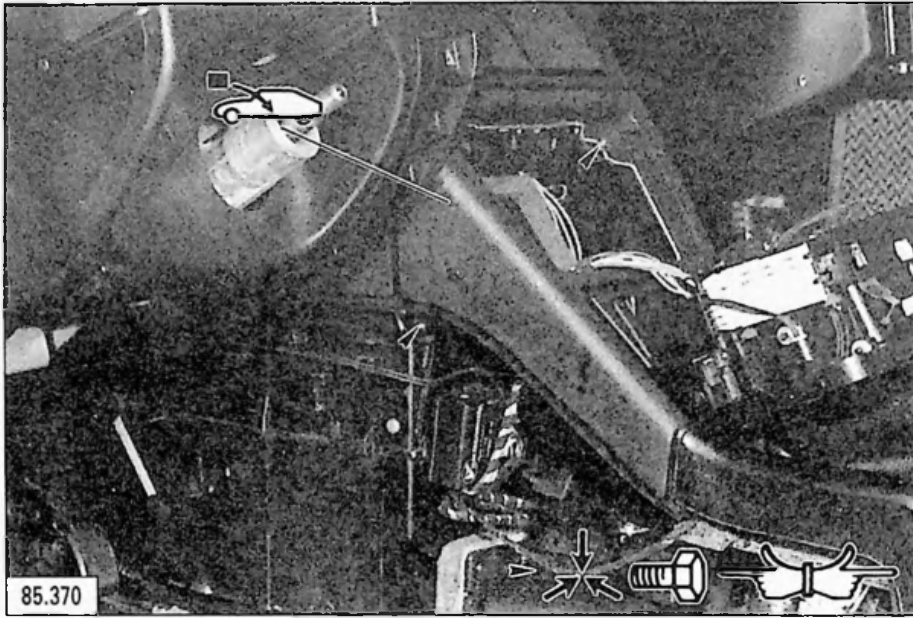
15

MA
856-1

7



*

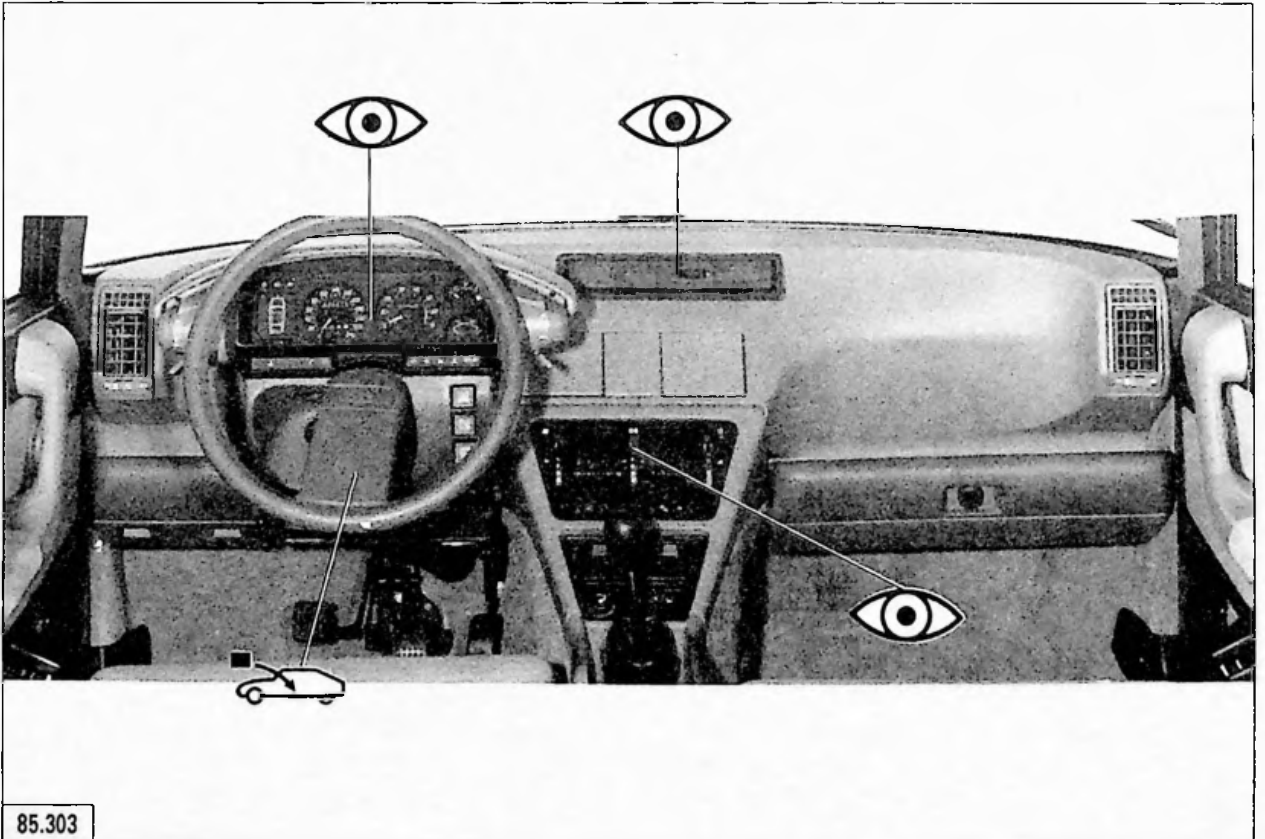
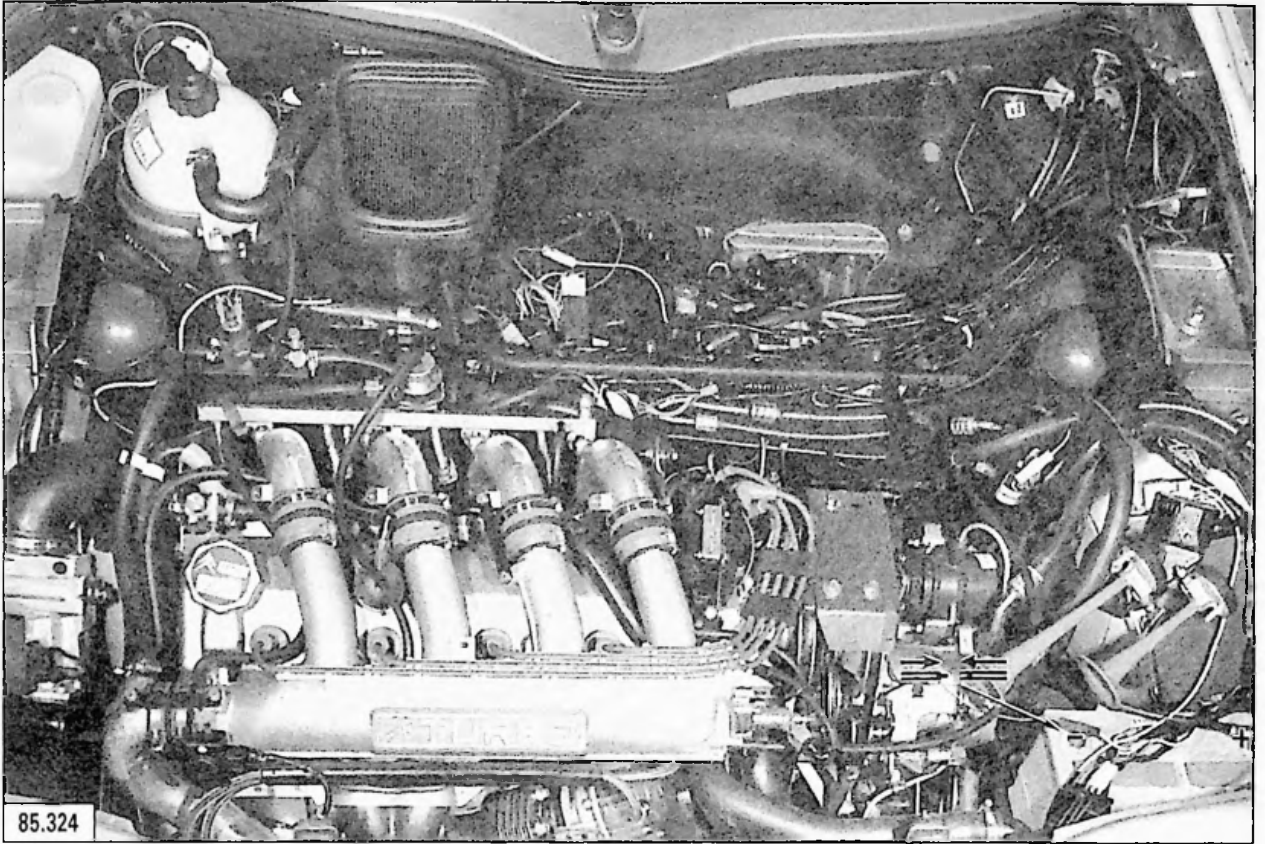




15

MA
856-1

9





15

OUTILS MR

MA

1

PLANS D'EXECUTION DES OUTILS MR
FIGURANT AU CHAPITRE

**OUTILS A REALISER**

MR.630-84/23 a : Outil pour dépose des agrafes plastique (page 3)

Longueur développée : 197 mm

Matière : A 33-1 - Largeur : 20 mm - Epaisseur : 3 mm

MR.630-84/46 : Outil pour ouverture du capot (en cas de non fonctionnement de la serrure) (page 4).

Longueur développée : 540 mm (environ)

Matière : Etiré CC 35. $\varnothing = 5$ mm



15

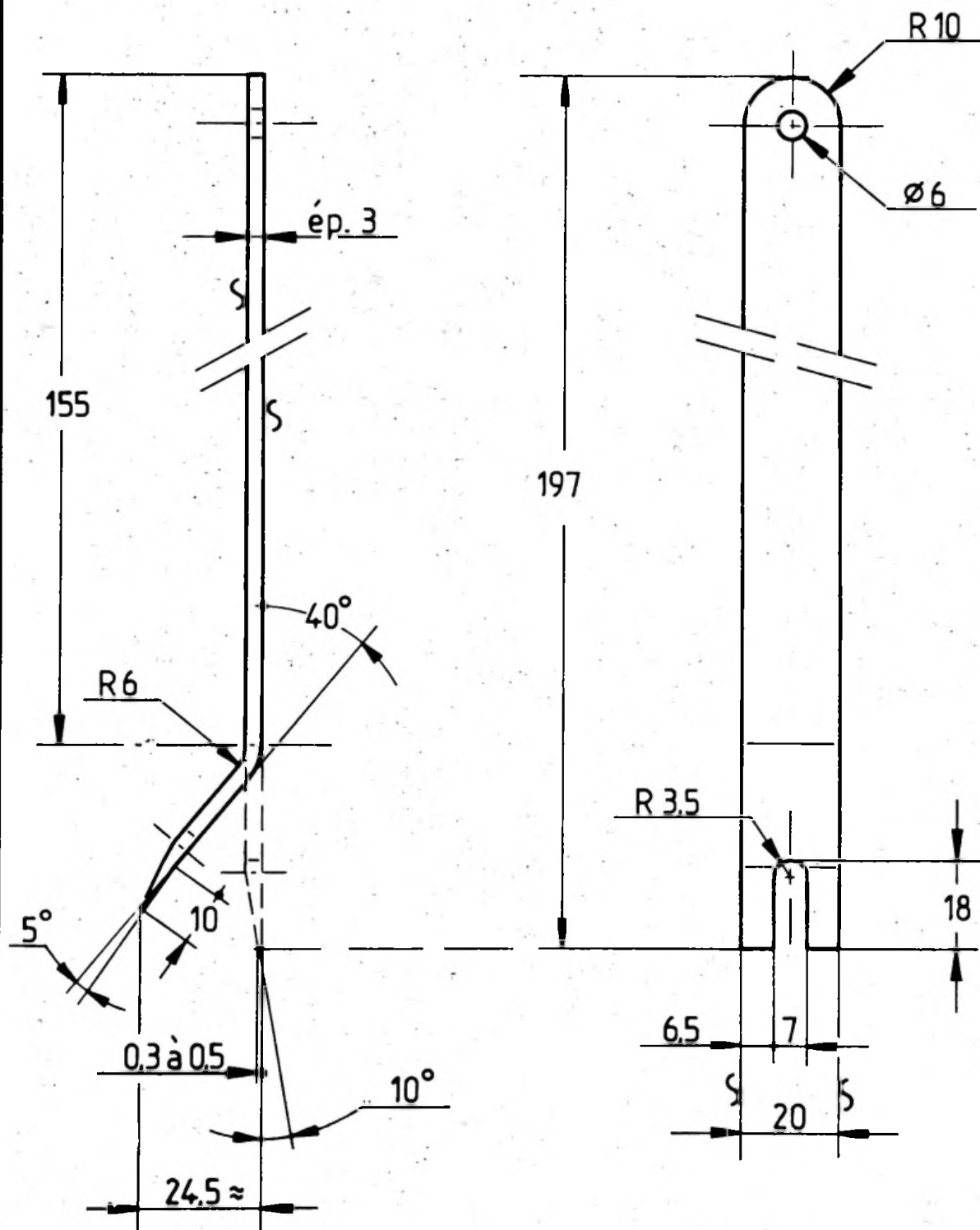
MR.630-84/23 a

MA

3

MR 630-84/23 a

UG. $R50 \sqrt{\quad}$ (\sim)





MR 630_84/46

