

Partial type-approval		
	FASP TAPPEZZERIA S.r.l. Via Golgi, 27 25064 Gussago (Brescia)	
Automotive vehicle		
Type-approval no.	e3*76/115*96/38*1611*00	dated 21 APR. 2005
Test report no.	9634/CE	dated 25.02.2005
DESIGNATION		
RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.		
S.T.C. Studio Tecnico Consociato Altobelli & Anzillotti Via Monte Pollino, 5 – Loc. Colleverde 00010 Guidonia (ROMA) Tel. 0774 365012 Fax 0774 365015 Site www.stceurope.it e-mail s.t.c@libero.it - stc.european.group@libero.it - info@stceurope.it		

Ministry
*of Transportation and
Infrastructures*

DEPARTMENT OF LAND TRANSPORTATION
General Office of Traffic Control

Prot. n. 1293-1294_MOT2/N/384

Rome, 28 APR. 2005

S.r.l.

- To FASP TAPPEZZERIA

c/o S.T.C. di Altobelli &
Anzilotti
Via Monte Pollino, 5
00010 GUIDONIA (ROME)

- To S.I.I.T. – Transportation
Div.
C.S.R.P.A.D., ROME
(Higher Research centre
for Automotive Vehicle and
Device Testing)

OBJECT: FASP TAPPEZZERIA S.r.l._
Automotive vehicles RENAULT S.A.?D?? ??? FASP TAPPEZZERIA S.r.l.
Partial EC type-approvals.

The following measures were initiated on 21.04.2005 for the vehicles stated in the
object:

e3*74/408*96/37*1592*00

e3*76/115*96/38*1611*00

DIRECTOR
(Dr. Ing. Alessandro DE GRAZIA)

1. Other information (where suitable): **see addendum**
2. Technical service in charge of tests: **C.S.R.P.A.D. - ROME (Higher Research centre for Automotive Vehicle and Device Testing)**
3. Date of test report: **25.02.2005**
4. Test report number: **9634/CE**
5. Observations: **see addendum**
6. Place: **ROME**
7. Date: **21 APR. 2005**
8. Signature: **DIRECTOR**
(Dr. Ing. Alessandro DE GRAZIA)
9. The table of contents of the type-approval file is attached, which has been filed with the type-approval authority and from which a copy may be requested.

Addendum to EC type-approval certificate no. e3*76/115*96/38*1611*00

concerning type-approval of a type of vehicle as regarding directive 74/408/EEC, last amended by directive 96/37/EC.

1. Other information:
 - 1.1. Vehicle category: **N1-M1-N2-M2**
 - 1.2. Position of the supplied anchorages and safety belts:

Row	Seat	Anchorage position	Location of the anchorage	
			Vehicle structure	Seat structure
First row of seats	Right-hand seat	External lower anchorage	Ar	---
		Internal lower anchorage	---	Ar
		Upper anchorage	Ar	---
	centre seat	External lower anchorage	---	---
		Internal lower anchorage	---	---
		Upper anchorage	---	---
	Left-hand seat	External lower anchorage	Ar	---
		Internal lower anchorage	---	Ar
		Upper anchorage	Ar	---
Second row of seats	Right-hand seat	External lower anchorage	---	---
		Internal lower anchorage	---	---
		Upper anchorage	---	---
	centre seat	External lower anchorage	---	---
		Internal lower anchorage	---	---
		Upper anchorage	---	---
	Left-hand seat	External lower anchorage	---	---
		Internal lower anchorage	---	---
		Upper anchorage	---	---

5. Observations: with the same anchorage, the FASP swivel plate may be installed either with original seats or with FASP seats.

Ministry of Transportation and Infrastructures

DEPARTMENT OF LAND TRANSPORTATION AND INFORMATION AND STATISTICAL SYSTEMS
General Office of Traffic Control and Land Transportation Safety – MOT 2

EC TYPE-APPROVAL CERTIFICATE

Statement concerning

- type-testing of a type of vehicle as regarding directive 76/115/EEC, last amended by directive 96/38/EC.

EC type-approval number: **e3*76/115*96/38*1611*00**

Reason for extension: ---

PART I

- 0.1 Trademark (trade name of manufacturer): **FASP TAPPEZZERIA s.r.l.**
- 0.2 Type and general trade name:
RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.
- 0.3 Means of identifying the type, if marked on vehicle:
- 03.1. Position of mark: **punched on the front right threshold plate.**
- 0.4. Vehicle category: **N1-M1-N2-M2.**
- 0.5. Name and address of manufacturer:
FASP TAPPEZZERIA s.r.l. - Via Golgi, 27 - 25064 Gussago (Brescia).
- 0.8. Address of assembly plant/s:
Via Golgi, 27 - 25064 Gussago (Brescia)

FASP TAPPEZZERIA S.r.l.		
INFORMATION DOCUMENTATION TABLE OF CONTENTS		
Information document number FTPLHS11 dated 09.12.04		
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1.-	GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE	Page 1/3
9.-	BODY	Page 1/3
DOCUMENTS ATTACHED TO THE INFORMATION DOCUMENT		
ATTACHMENT -A-	DRAWINGS	Page 1-4/4
ATTACHMENT -B-	PHOTOS	Page 1/1
<p>S.T.C. Studio Tecnico Consociato Altobelli & Anzillotti Via Monte Pollino, 5 – Località Colleverde 00010 Guidonia (ROMA) – Telefono 0774365012 Telefax 0774365015 Site www.stceurope.it e-mail s.t.c@libero.it - stc.european.group@libero.it - info@stceurope.it</p>		

e3*76/115*96/38*1611*00 (Stamp and signature)

In accordance with Attachment I of directive 70/156/EEC regarding EEC type-approval of a vehicle concerning the anchorages of safety belts (76/115/EEC), last amended by directive 96/38/EC.

ATTACHMENT I - Appendix 3

INFORMATION DOCUMENT

Number/dated **FTPLHS11** **09.12.04**

TRADE NAME OF MANUFACTURER

FASP TAPPEZZERIA S.r.l.

MOTOR VEHICLE

AUTOMOTIVE VEHICLE

TYPE DESIGNATION

RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.

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FASP TAPPEZZERIA 25064 Gussago (Brescia)		Dir. 70/156/EEC, last emended by Dir. 96/38/EC MOTOR VEHICLE		PAGE	2/3
		RENAULT S.A.??D? ??? FASP TAPPEZZERIA S.r.l.			
		Information doc. no. FTPLHS11	File:	620gds0.xls	
9.10.3.3	Mass:	front seats: 30 kg (original seat + plate (*)), 27 kg (seat (°) + plate (\$)), rear seats: not applicable			
9.10.3.4.	Characteristics: descriptions and drawings of				
9.10.3.4. 1	Seats and their anchorage:	front seats: The seat can be the original model or the FASP model (°). In the first case the seat anchorage remain the same as the original ones, the only difference being that the seat is fixed onto the swivel connection plate which is in turn anchored onto the cage. In the second case the anchorages are reproduced by FASP; also in this case fixed to a swivel connection plate. rear seats: not applicable see drawings, Attachment -A-			
9.10.3.4. 2	Adjustment device:	front seats: refer to original vehicle or FASP seat (°). rear seats: not applicable see drawings, Attachment -A-			
9.10.3.4. 3	Movement and block devices:	front seats: depending on the swivel plate (*), (\$). rear seats: not applicable see drawings, Attachment -A-			
9.10.3.4. 4	Safety belt anchorage (if incorporated in seat structure):	All anchorages consist in a hole with a threaded bushing for a 7/16" bolt. front seats: It should be noted that the anchorage on the front seats allow various placement of the seats. A first possibility is that of using an original seat and placing a FASP (*) swivel connection plate between the cage and the seat. In this case all the anchorages remain unvaried compared to the original ones; where only a transfer upwards of the point "H" position and the lower internal anchorage is registered. With the plate there is a 33 mm movement. The second installation foresees a FASP(°) model seat with a FASP (\$) swivel connection plate placed between the cage and the seat. The external anchorages remain unvaried compared to the original ones, whilst the internal lower one is provided by the FASP seat, where a transfer upwards of the point "H" position and the lower internal anchorage is registered. The above indicated possibilities are permitted on both front seats. rear seats: not applicable see drawings, Attachment -A-			

e3*76/115*96/38*1611*00 (Stamp and signature)

FASP TAPPEZZERIA 25064 Gussago (Brescia)		Dir. 70/156/EEC, last emended by Dir. 96/38/EC MOTOR VEHICLE		PAGE	3/3
		RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.			
		Information doc. no. FTPLHS11	File: 620gds0.xls		
9.10.3.6	Foreseen seat-back angle:				
9.10.3.6.1	Driver's seat:	like the original one or see seat (°)			
9.10.3.6.2	All other seats:	front seats: like the original one or see seat (°) rear seats: not applicable			
9.10.3.7.	Seat adjustment range:				
9.10.3.7.1.	Driver's seat:	like the original one or see seat (°)			
9.10.3.7.2.	All other seats:	front seats: like the original one or see seat (°) rear seats: not applicable			
9.13.	Safety belt anchorages:				
9.13.1	Photos and/or drawings of the body with the position and dimensions of the actual anchorages, indication of the R points: see drawings, Attachment -A-				
9.13.2	Drawings of the safety belt anchorages and parts of the vehicle's structure onto which they are secured (with indication of the materials used) : see drawings, Attachment -A-				
9.13.3.	Indication of the types of safety belts for which installation onto the vehicle's anchorages is authorized:				
	Row	Seat	Anchorage position	Location of the anchorage	
	First row of seats	Right-hand seat	External lower anchorage	Ar	---
			Internal lower anchorage	---	Ar
			Upper anchorage	Ar	---
		centre seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
			Upper anchorage	---	---
		Left-hand seat	External lower anchorage	Ar	---
			Internal lower anchorage	---	Ar
			Upper anchorage	Ar	---
	Second row of seats	Right-hand seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
			Upper anchorage	---	---
		centre seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
			Upper anchorage	---	---
		Left-hand seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
			Upper anchorage	---	---
9.13.4.	Description of a special type of safety belt in which an anchorage is secured to the seat's back or which includes a device for the dissipation of energy: not applicable				
Note:	<p>The structural modifications made to the original vehicle, relate exclusively to the driver's cab where intervention is made by removing part of the rear side and the roof. This cut does not compromise the structural features of the cab but allows the space between the driver's cab and the interior rear compartment to be left free. The same anchorages in the same position permit the use of original seats with FASP swivel plate, as well as FASP seat with FASP swivel plate.</p> <p>(*) swivel connection plate, allows the rotation of the original seat, FASP model type 1300.4481; (\$) swivel connection plate, allows the rotation of the original seat, FASP model type 1300.4480; (°) FASP model 306 series adjustable seat.</p>				

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ATTACHMENT -A-

(DRAWINGS)

REFERENCE INFORMATION DOCUMENT

Number/dated

FTPLHS11

09.12.04

TRADE NAME OF MANUFACTURER

FASP TAPPEZZERIA S.r.l.

MOTOR VEHICLE

AUTOMOTIVE VEHICLE

TYPE DESIGNATION

RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.

ATTACHMENT -A- TABLE OF CONTENTS

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Authorised zone FASP front seat facing forward	FTPLHD13	3/4
Diagram of cab roof cutting	FTPLHD14	4/4
FASP swivel plate and FASP seat drawing	FASP	---

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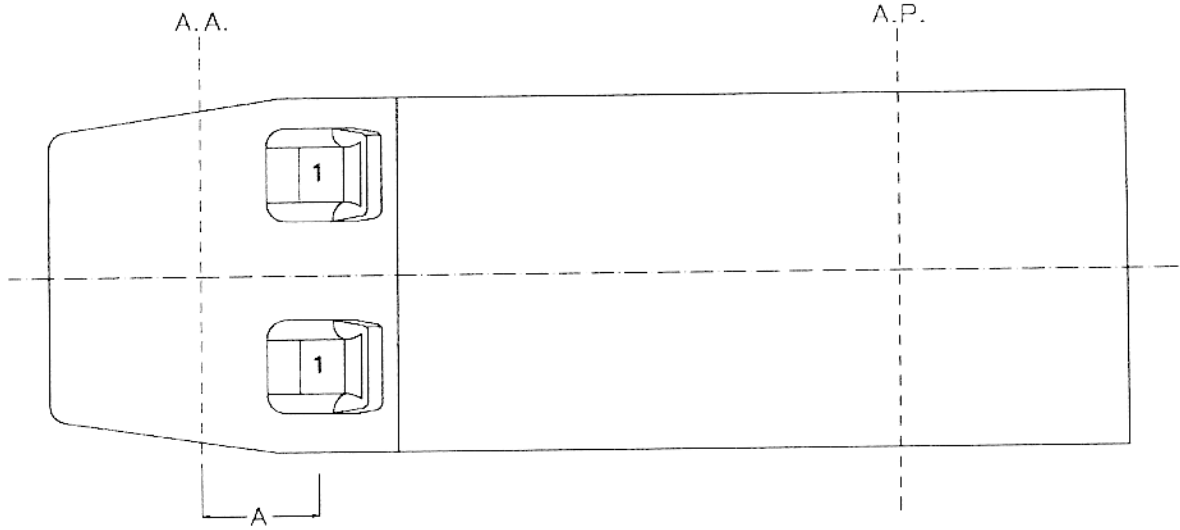
e3*76/115*96/38*1611*00 (Stamp and signature)

FASP TAPPEZZERIA Gussago (Brescia)	Dir. 70/156/EEC, last emended by Dir. 96/38/EC MOTOR VEHICLE		ATTACHME NT	A
	RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.		PAGE	1/4
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Plan view of vehicle

DRAWING Number

FTPLHD11



	A [mm]
Original seats	910
FASP seats	877

(1) Original or FASP seat with three-point anchorages equipped with FASP swivel connection plate.

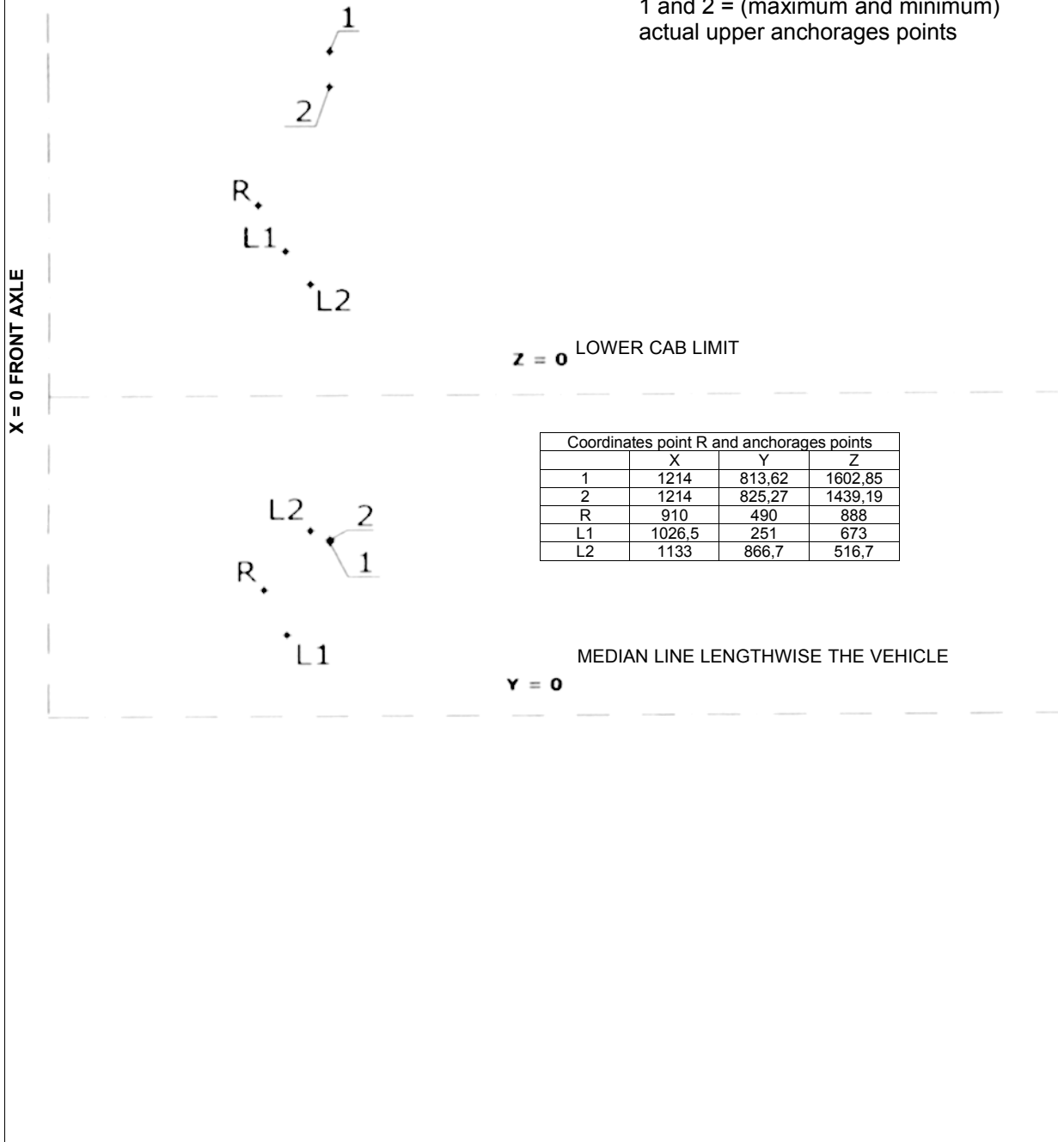
FASP TAPPEZZERIA 25064 Gussago (Brescia)	Dir. 70/156/EEC, last emended by Dir. 96/38/EC MOTOR VEHICLE		ATTACHMENT A
	RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.		PAGE 2/4
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Authorised zone original front seat facing forward

DRAWING Number

FTPLHD12

1 and 2 = (maximum and minimum)
actual upper anchorages points



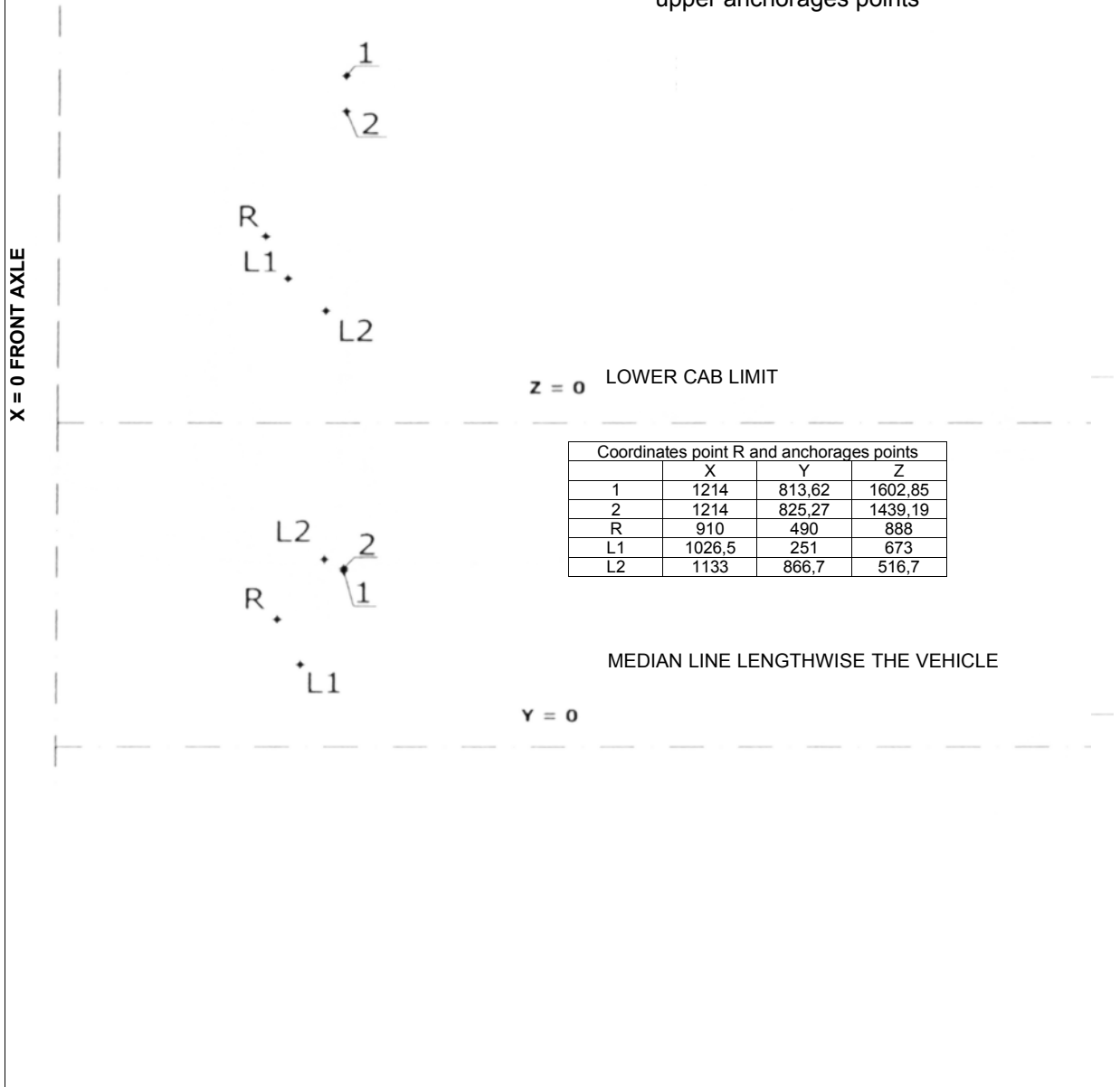
FASP TAPPEZZERIA 25064 Gussago (Brescia)	Dir. 70/156/EEC, last emended by Dir. 96/38/EC MOTOR VEHICLE		ATTACHMENT	A
	RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.		PAGE	3/4
	Information doc. no. FTPLHS11	File: 620gds0.xls		

Authorised zone FASP front seat facing forward

DRAWING Number

FTPLHD13

1 and 2 = (maximum and minimum) actual upper anchorages points



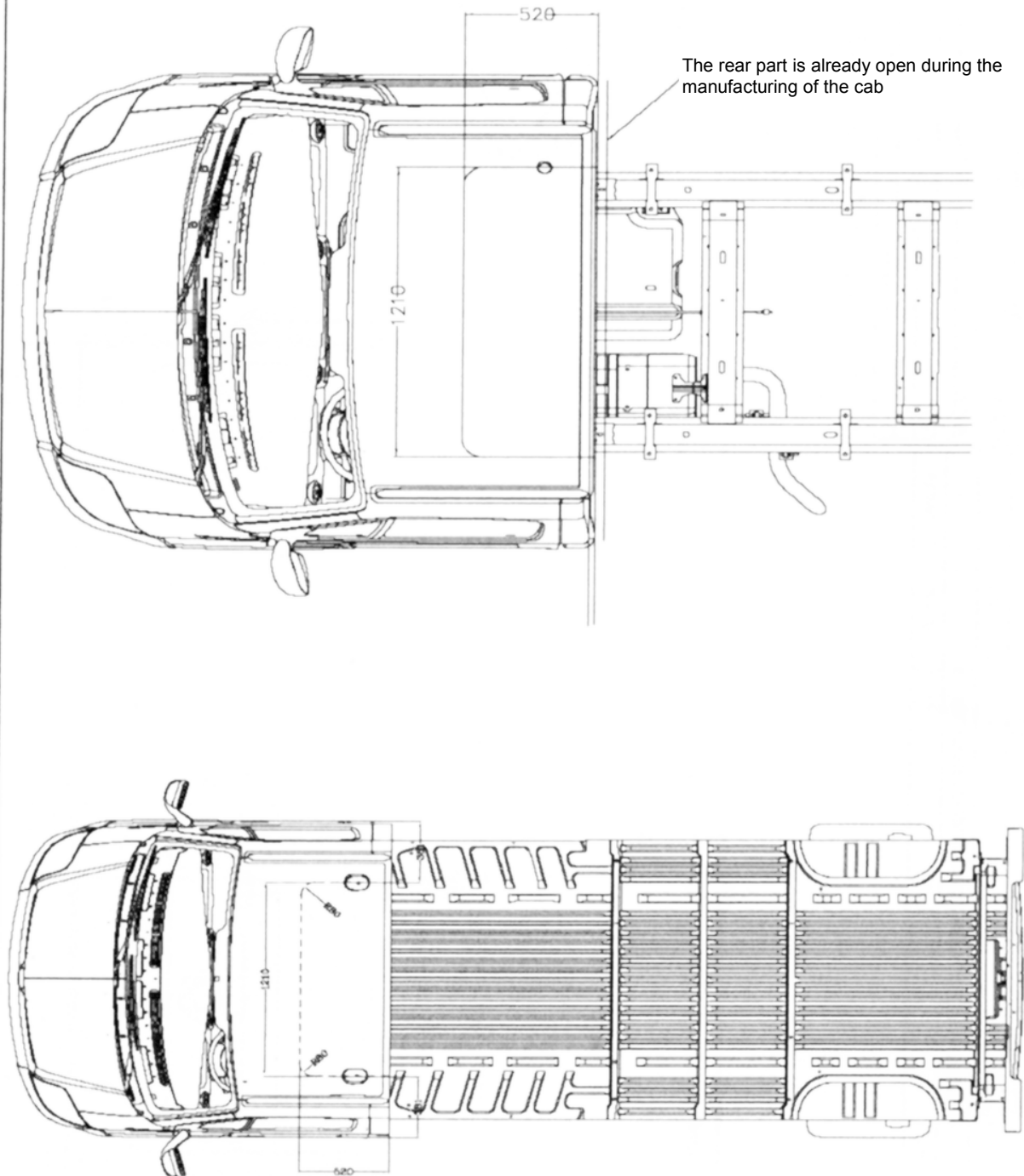
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FASP TAPPEZZERIA 25064 Gussago (Brescia)	Dir. 70/156/EEC, last emended by Dir. 96/38/EC MOTOR VEHICLE		ATTACHMENT A
	RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.		PAGE 4/4
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Diagram of cab roof cutting

DRAWING Number

FTPLHD14



e3*76/115*96/38*1611*00 (Stamp and signature)

<i>Code</i>	<i>Description</i>	<i>Material</i>	<i>Quantity</i>
W2487/51	Spacer plate	FE 360	2
W2487/4	25 x 25 square tube, thickness 1,5 mm	FE 360	1
W1549	Tubes for insertion of armrests	FE 360	2
MOL2487/50	Arc welded mesh	FE 360	1
MOV1170/4sx	Adjustment mechanism	FE 360	1
MOL2487/22	Round bar for headrest support	FE 360	1
TEL2591	Couple headrest tubes	FE 360	2
W1714/2	Rear support bar	FE 360	1
W2487/3	Curved bar	FE 360	1
LAM2487/20	Seat plate for Cra Ducato	FE 360	1
LAM2487/21	Seat plate for Cra Ducato	FE 360	1
W1549/1	Adjustable armrest bush attachment	FE 360	2
	Interlocking key	FE 360-8x7x30	2
MOV1170/3	Adjustment mechanism	FE 360	1
MOL2487/2	Arc welded mesh	FE 360	1

Stamp and signature

ATTACHMENT -B-

(PHOTOS)

REFERENCE INFORMATION DOCUMENT

Number/dated

FTPLHS11

09.12.04

TRADE NAME OF MANUFACTURER

FASP TAPPEZZERIA S.r.l.

MOTOR VEHICLE

AUTOMOTIVE VEHICLE

TYPE DESIGNATION

RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.

ATTACHMENT -B- TABLE OF CONTENTS

SUBJECT	Reference	Page
FASP swivel plate	FTPLH#11	1/1

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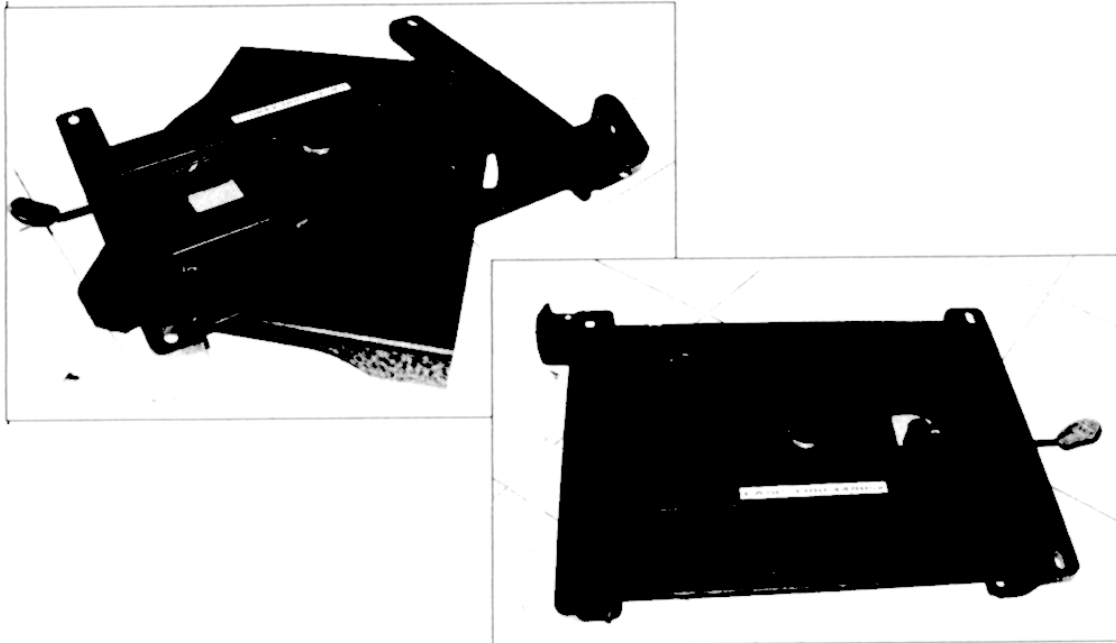
e3*76/115*96/38*1611*00 (Stamp and signature)

FASP TAPPEZZERIA 25064 Gussago (Brescia)	Dir. 70/156/EEC, last emended by Dir. 96/38/EC MOTOR VEHICLE		ATTACHMENT	B
	RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.		PAGE	1/1
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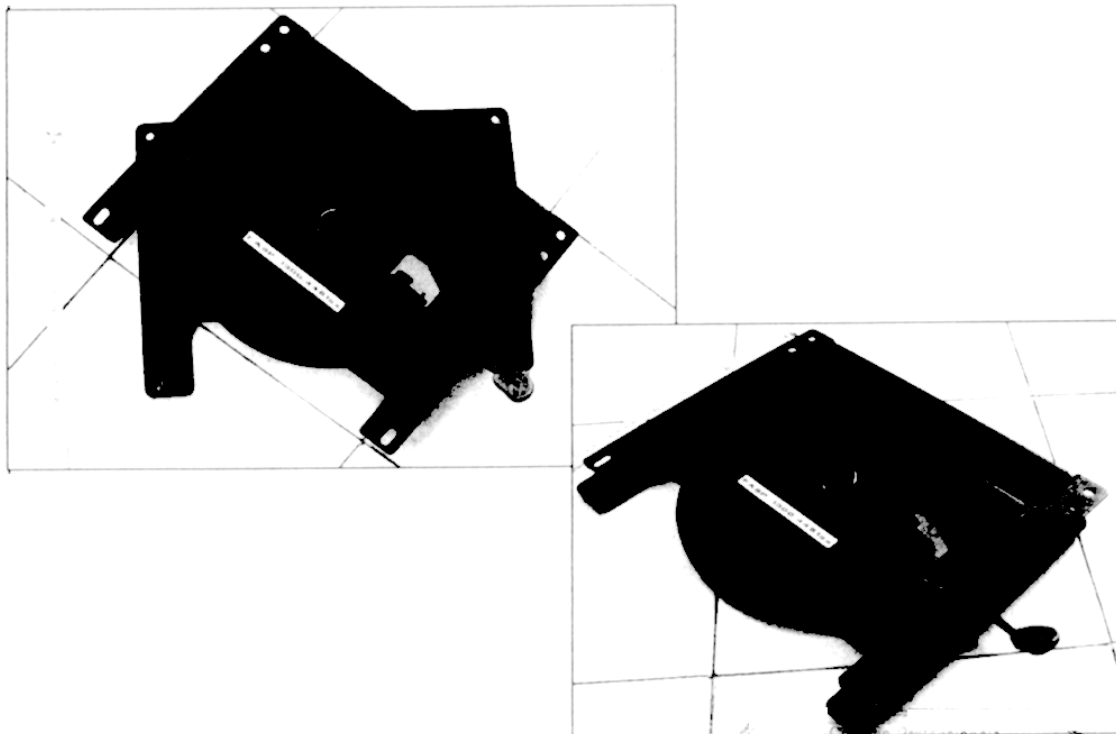
FASP swivel plate

PHOTO Number **FTPLH#11**

FASP type 1300.4480



FASP type 1300.4481



Ministry of Transportation and Infrastructures

99/01

DEPARTMENT OF LAND TRANSPORTATION AND GENERAL OFFICE OF TRAFFIC CONTROL – S.I.I.T.
Higher Research centre for Automotive Vehicle and Device Testing
Via di Settebagni, 333 00138 Rome - Tel. 06-872881 Fax 06-87133903

Prot. no. 7462/04

Rome, 11 APR. 2005

To the Ministry of Transportation and
Infrastructures - General Office of Traffic Control
and Land Transportation Safety
Div. MOT2
Via G. Caraci, 36 - 00156 ROME

and C.C.: To: FASP TAPPEZZERIA S.r.l.
Via Golgi, 27
25064 Gussago (Brescia)

OBJECT: Company FASP TAPPEZZERIA S.r.l.
Automotive vehicle
RENAULT S.A. ?D? ??? FASP TAPPEZZERIA S.r.l.
Partial type-approval according to Directive 96/38/CE regarding safety belt anchorages.

FASP TAPPEZZERIA S.r.l. presented the application stated above in order to obtain partial type-approval, according to Directive 96/38/EC as regards the vehicles indicated in the object.

The presented automotive vehicle has successfully passed the inspections and tests foreseen by the cited directive, and therefore the following are sent:

- application presented by the company with a stamp certifying that the stamp duty was paid.
- report no. 9634/CE dated 25.02.2005 ;
- information documentation.

This certifies that the company has paid the charges stated in law 01.12.1986, no. 870 (Regional Administrative Court of Law 6).

A copy of the report is sent to the applicant company.

DIRECTOR
(Dr. Ing. Carlo Alberto BARBI)

Ministry of Transportation and Infrastructures

Department of Land Transportation and General Office of Traffic Control – S.I.I.T.

Higher Research centre for Automotive Vehicle and Device Testing

Via di Settebagni, 333 00138 Rome - Tel. 06/872881 - Fax 06/87133903

Report no. 9634/CE

Inspections and tests regarding the safety belt anchorages (Directives 76/115/EEC – 96/38/EC).

0.	<u>GENERAL DATA</u>	
0.1	Brand name (company name)	FASP TAPPEZZERIA S.r.l.
02	Type and trade name	RENAULT S.A.?D? ??? FASP TAPPEZZERIA S.r.l.
0.3	Product:	Automotive vehicle
0.4	Category:	N1-M1-N2-M2
0.5	Name and address of Manufacturer:	FASP TAPPEZZERIA S.r.l. Via Golgi, 27 - Gussago (Brescia)
0.6	Name and address of manufacturer's mandatory:	not applicable
0.7	Place and date of inspections and tests:	Pomezia, 25.02.05
0.8	Prototype presented for tests:	RENAULT S.A. EDCK6
	Identification number of chassis:	VF1EDCK632445399
	Maximum mass technically permitted:	3500 kg.

INTRODUCTION

It should be noted that the anchorage on the front seats have been tested on various placement of the seats.

A first possibility is that of using an original seat and placing a FASP swivel plate type 1300.4481 between the cage and the seat.

(stamp and signature)

In this case all the anchorages remain unvaried compared to the original ones; where only a 33 mm transfer upwards of the point "H" position and the lower internal anchorage is registered. The second installation foresees a FASP model seat type 306 with a FASP swivel connection plate type 1300.4480 placed between the cage and the seat.

The external anchorages remain unvaried compared to the original ones, whilst the internal lower one is provided by the FASP seat, where a transfer upwards of the point "H" position and the lower internal anchorage is registered.

The above indicated possibilities are permitted on both front seats.

Tests are carried out on a flatbed cab version and are considered valid also for the chassis cab as the first version is considered to structurally offer less resistance. A cut is foreseen on the vehicle cab both on the rear side and the roof. This cut does not compromise the structural features of the cab but allows the space between the driver's cab and the interior rear compartment to be left free.

1. STRUCTURE IDENTIFICATION

Numbers and layout of seats:

- front seats:2 (two).

Description of the seats and layout of the anchorages secured to the vehicle's structure and the type of belts for which assembly is foreseen:

- according to the attached information document: no. FTPLHS11 (see information document for drawings).

2. INSPECTIONS

The point "H" position of the front seats was determined using a standard three-dimensional dummy. It basically proved to coincide with the point "R" position indicated by the manufacturer (see drawings attached to information document no. FTPLHS11).

(stamp and signature)

The position of the actual anchorages was verified in conformity with the drawings and diagrams presented by the manufacturer and satisfies the requirements of points 4.4.3 and 4.4.4 of Attachment I.

The anchorages have a 11.11mm-diam. (7/16") 20 UNF 2B threaded hole (point 4.5.1).

3. TESTS

3.1. TEST CONDITIONS

The procedure used corresponds with the requirements of Attachments I and IV.

3.2. RESULTS OF TESTS

3.2.1. Front seats: 2 (two).

The individual seats are adjustable and swivel.

The vehicle was immobilized according to the requirements of point 5.2 of Attachment I.

The anchorages were simultaneously subjected to the tests foreseen in points 5.4.1 and 5.4.4, with angles of pull equal to approx. 10° (10° ± 5° required) with the following results.

Left front seat							
Safety belts	Load required for each branch of belt (daN)		Load required for each seat (daN)	Total load required (daN)	Load applied (daN)	Application of load (sec)	Maintaining of load (sec)
Three-point belts with retractor	Upper anchorage	1350±20	---	1350±20	1350	6,8	1,7
	Lower anchorage	1350±20	20x30=600	(1350±20) + 600=1950±20	1964	6,8	1,7

- Weight of the seat in the worst conditions = 30 kg (19 kg seat + 11 kg swivel plate).

- During the test the weight of the seat is 27 kg (16 kg seat and 11 kg swivel plate) but a force was applied equal to that requested for the worst conditions, that is a seat weighing 30kg.

Left front seat							
Safety belts	Load required for each branch of belt (daN)		Load required for each seat (daN)	Total load required (daN)	Load applied (daN)	Application of load (sec)	Maintaining of load (sec)
Three-point belts with retractor	Upper anchorage	1350±20	---	1350±20	1350	6,8	1,7
	Lower anchorage	1350±20	20x30=600	(1350±20) + 600=1950±20	1964	6,8	1,7

(stamp and signature)

- Weight of the seat in the worst conditions = 30 kg (19 kg seat + 11 kg swivel plate).
- During the test the weight of the seat is 27 kg (16 kg seat and 11 kg swivel plate) but a force was applied equal to that requested for the worst conditions, that is a seat weighing 30kg.

3.2.1.2 Lower and upper anchorages:

Limited permanent deformations were found in the structure of the seat near the anchorages of the swivel plate and in the original vehicle's cage. Failure of the structure of the vehicle and the other anchorages did not occur.

THE PHOTOS OF ATTACHMENT I ILLUSTRATE THE POSITION OF THE ANCHORAGES DURING THE TESTS, WHEREAS THOSE OF ATTACHMENT II ILLUSTRATE THE SWIVEL PLATE.

4. CONCLUSIONS

Given successful passing of the inspections and tests stated in the present report, the RENAULT S.A./FASP TAPPEZZERIA S.r.l. vehicle is declared in conformity, concerning safety belt anchorage, with the requirements stated in Directives 76/115/EEC-96/38/EC.

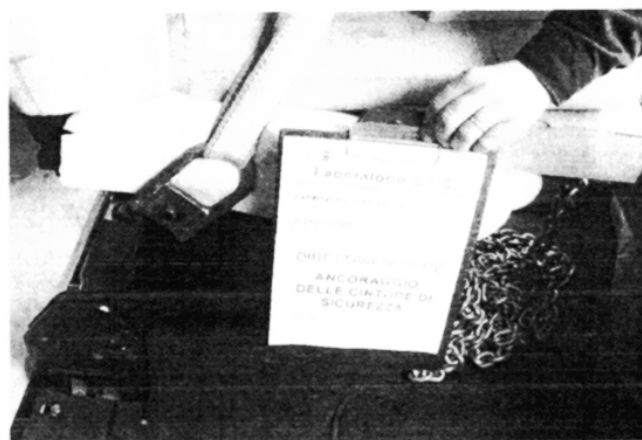
Rome, 25.02.2005

Official of C.S.R.P.A.D., (Higher Research
Centre for Automotive Vehicle and Device
Testing) Rome
(P.I. Mario VALENTE)

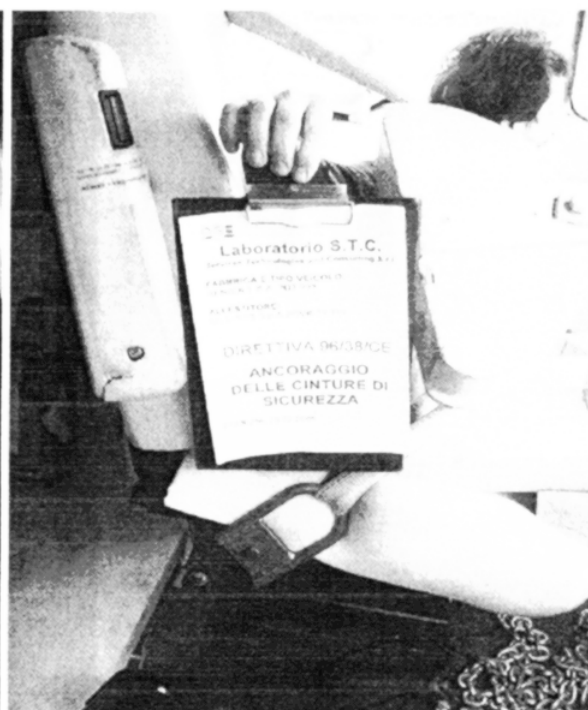
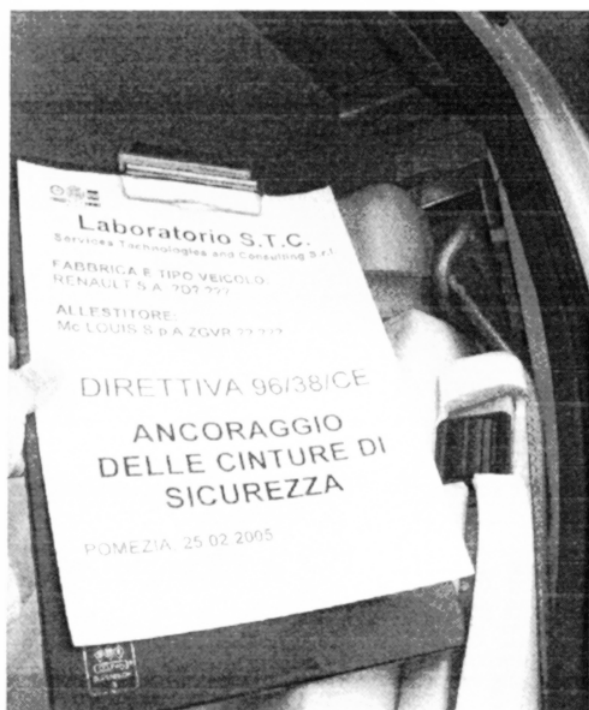
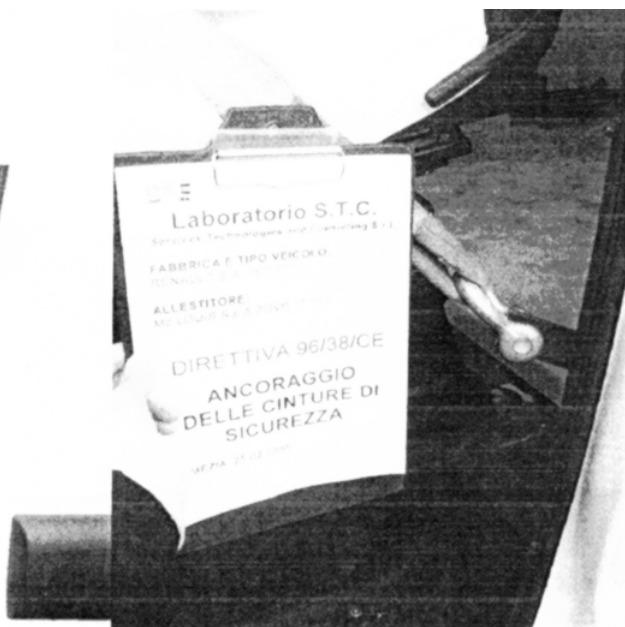
The representative of the applicant company
(S.T.C. Altobelli & Anzillotti)
(P.I. Francesco ALTOBELLI)

DIRECTOR of C.S.R.P.A.D.
(Higher Research Centre for
Automotive Vehicle and Device
Testing)
(Dr. Ing. Carlo Alberto BARBI)

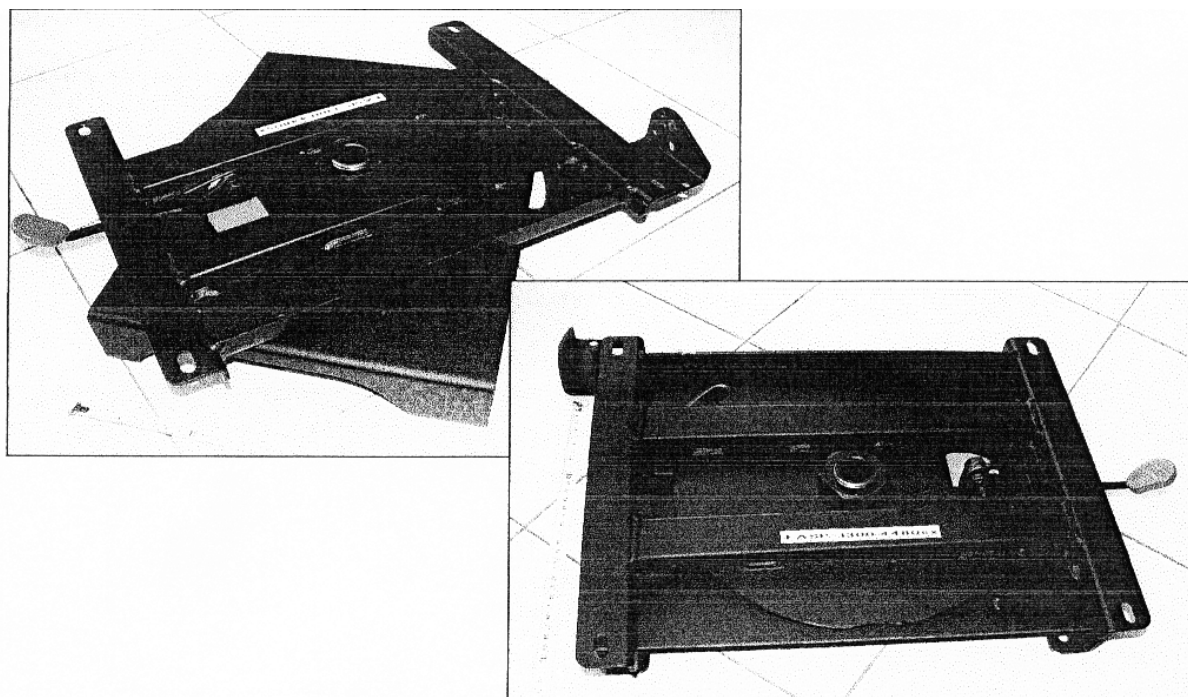
Left front seat before test



Left front seat after test



FASP SWIVEL PLATE type 1300.4480.



FASP SWIVEL PLATE type 1300.4481

