



Ministry
of Transportation and Infrastructures

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

EC TYPE-APPROVAL CERTIFICATE

Statement concerning

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

Type-approval number: **e3*76/115*96/38*1576*01**

Reason for extension: **modifications made to the swivel plate**

PART I

- 0.1 Trademark (trade name of manufacturer): **FASP TAPPEZZERIA s.r.l.**
- 0.2 Type and general trade name (specify any variants):
FIAT AUTO S.p.A. 244 ????? ??? FASP TAPPEZZERIA s.r.l.
- 03. Means of identifying the type, if marked on vehicle:
- 03.1. Position of mark: **punched on right wheelhouse, interior cab compartment**
- 04. Vehicle category: **N1-M1-N2 -M2**
- 0.5. Name and address of manufacturer: **FASP TAPPEZZERIA s.r.l. Via Golgi, 27 - 25064 GUSSAGO (BS)**
- 0.8. Address of assembly plant/s: **Via Golgi, 27 - 25064 GUSSAGO (BS)**

PART II

1. Other information: **see Addendum**
2. Technical service in charge of tests: **C.S.R.P.A.D. ROME** (Higher Research Center for Automotive Vehicle and Device Testing)
3. Date of test report: **08.06.2004**
4. Test report number: **9441/CE**
5. Observations: **see Addendum**
6. Place: **ROME**
7. Date: **16 July 2004**
8. Signature: **DIRECTOR (Mr. Alessandro DE GRAZIA, engineer)**
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.

*Appendix to EC type-approval certificate n. e3*76/115*96/38*1576*01*

concerning type-approval of a vehicle as regarding directive 76/115/EEC, last amended by directive 96/38/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	-
	Center 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	-	-
	Center seat	External lower anchorage	-	-
		Internal lower anchorage	-	-
		Upper anchorage	-	-
	Left-hand seat	External lower anchorage	-	-
		Internal lower anchorage	-	-
		Upper anchorage	-	-

- 5 Observations: The FASP swivel plate may be installed with original seats or with FASP seats using the same anchorages.

In accordance with Attachment I of Directive 70/156/EEC regarding
EEC type-approval of a vehicle concerning seats, their anchorage, and headrests
(Directive 74/408/EEC, last amended by directive 96/37/EC)

ATTACHMENT I- Appendix I

INFORMATION DOCUMENT

Number/date **FTPEHS01** **11 May 2004**

TRADE NAME OF MANUFACTURER

FASP TAPPEZZERIA S.r.l.

MOTOR VEHICLE

AUTOMOTIVE VEHICLE

TYPE DESIGNATION

FIAT AUTO S.p.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.

FASP TAPPEZZERIA Gussago (BS)	Dir. 70/156/EEC, last amended by Dir. 96/38/EC		PAGE	1
	MOTOR VEHICLE			
	FIAT AUTO S.p.A. 244 ????? ???FASP TAPPEZZERIA S.r.l.		DATE	11.05.2004
	Information Doc. No. FTPEHS01	File: 261hfds0.xls		
0.	GENERAL DATA			
0.1.	Brand name (trade name of manufacturer): FASP TAPPEZZERIA S.r.l.			
0.2.	Type and general trade name(s): FIAT AUTO S.p.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.			
0.3.	Means of identifying the type, if marked on vehicle: ZFA244000*????????			
0.3.1.	Position of mark: punched on right wheelhouse, interior cab compartment.			
0.4.	Vehicle category: N1-M1-N2-M2			
0.5.	Name and address of manufacturer: FASP TAPPEZZERIA S.r.l. Via Golgi, 27 Gussago (BS)			
0.8.	Address of assembly plant/s: FASP TAPPEZZERIA S.r.l. Via Golgi, 27 Gussago (BS)			
1	GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE			
1.1.	Photos and/or drawings of a representative vehicle: FTPEHD01			
9.	BODY			
9.10.3	Seats			
9.10.3.1	Number: 2			
9.10.3.2	Position and layout: front seats: 2 one for each position (with choice of swivel plate, including the driver's seat) in the driver's cab; rear seats: N/A			
9.10.3.2.1	Seats to be used only when the vehicle is not moving: N/A			

e3*76/115*96/38*1576*01 (Stamp and signature)

FASP TAPPEZZERIA Gussago (BS)		Dir. 70/156/EEC, last amended by Dir. 96/38/EC		PAGE	2
		MOTOR VEHICLE		DATE	11.05.2004
		FIAT AUTO S.p.A. 244 ????? ???FASP TAPPEZZERIA S.r.l.			
		Information Doc. No. FTPEHS01	File: 261hfds0.xls		
9.10.3.3	Mass: front seats: 30 kg (+), including plate rear seats: N/A				
9.10.3.4.	Characteristics: descriptions and drawings of				
9.10.3.4.1	Seats and their anchorage: front seats: A swivel plate (+) may be placed between the cage and the seats. Both the internal lower anchorage in the seat's structure and the upper and lower external anchorages on the cab's lateral upright are FIAT AUTO S.p.A. originals. rear seats: N/A see drawings, Attachment -A-				
9.10.3.4.2	Adjustment device: front seats: See original vehicle and FASP seat. rear seats: N/A See drawings, Attachment -A-				
9.10.3.4.3	Movement and locking system: front seats: based on the swivel plate (+) rear seats: N/A See drawings, Attachment -A-				
9.10.3.4.4	Safety belt anchorage (if incorporated in seat structure): the anchorages of the rear seats remain unchanged as regards the FIAT AUTO S.p.A. originals. The anchorages consist of a hole with a threaded bushing for 7/16” bolt. Drawing No. FTPEHD02, FTPEHD03, FTPEHD04				
9.10.3.6	Foreseen seat-back angle				
9.10.3.6.1	Driver’s seat: See original vehicle and FASP seat.				
9.10.3.6.2.	All other seats: front seats:See original vehicle and FASP seat. rear seats: N/A				
9.10.3.7.	Seat adjustment range				
9.10.3.7.1.	Driver’s seat: See original vehicle. (longitudinal 160 mm and height 80 mm)				
9.10.3.7.2.	All other seats: front seats:See original vehicle. (longitudinal 160 mm, or longitudinal 160 mm and height 80 mm) rear seats: N/A				
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-				
(+) swivel connection plate, mark FASP and type 1305.3998R, for seat rotation.					

e3*76/115*96/38*1576*01 (Stamp and signature)

FASP TAPPEZZERIA Gussago (BS)	Dir. 70/156/EEC, last amended by Dir. 96/38/EC			PAGE	3
	MOTOR VEHICLE				
	FIAT AUTO S.P.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.			DATE	11.05.2004
		Information Doc. No. FTPEHS01	File: 261hfds0.xls		
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(s)	Ar	---
		Center seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
			Upper anchorage(s)	---	---
		Left-hand seat	External lower anchorage	Ar	---
			Internal lower anchorage	---	Ar
			Upper anchorage(s)	Ar	---
	Second row of seats	Right-hand seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
			Upper anchorage(s)	---	---
		Center seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
			Upper anchorage(s)	---	---
		Left-hand seat	External lower anchorage	---	---
			Internal lower anchorage	---	---
Upper anchorage(s)			---	---	
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: N/A				
Note:	Note that the anchorages of the safety belts of the front seats remain unchanged as regards the FIAT AUTO S.p.A. originals. The structural modifications made to the original vehicle exclusively concern the driver's cab from which part of the rear wall and roof is removed. This cutting does not compromise the structural characteristics of the cab and leaves room for passage between the driver's cab and the rear compartment. The anchorages themselves in the same position permit the use of original FIAT seats with installation of FASP swivel plate, as well as FASP seat with FASP swivel plate: FASP plate type 1305.3998R, FASP seats, series 200, 300, 740, 850, and 960.				

Basic file: schopacs.xls

ATTACHMENT -A-

(DRAWINGS)

REFERENCE INFORMATION DOCUMENT

Number/date

FTPEHS01 11 May 2004

TRADE NAME OF MANUFACTURER

FASP TAPPEZZERIA S.r.l.

MOTOR VEHICLE

AUTOMOTIVE VEHICLE

TYPE DESIGNATION

FIAT AUTO S.P.A. 244 ??????? FASP TAPPEZZERIA S.r.l.

ATTACHMENT -A- TABLE OF CONTENTS

SUBJECT	Reference	Page
Plan view of vehicle	FTPEHD01	1
Front seat facing forward	FTPEHD02	2
FASP plate structure diagram for seat connection	FTPEHD03	3
Diagram of cab roof cutting	FTPEHD04	4

S.T.C. Studio Tecnico Consociato Altobelli & Anzillotti
Via Monte Pollino, 5 – Località Colleverde 00010 Guidonia (ROMA) – Telephone 0774365012 Fax 0774365015
Site www.stceurope.it e-mail s.t.c@libero.it - stc.european.group@libero.it - info@stceurope.it

e3*76/115*96/38*1576*01 (Stamp and signature)

ATTACHMENT -B-

(PHOTOS)

REFERENCE INFORMATION DOCUMENT

Number/date

FTPEHS01 11 May 2004

TRADE NAME OF MANUFACTURER

FASP TAPPEZZERIA S.r.l.

MOTOR VEHICLE

AUTOMOTIVE VEHICLE

TYPE DESIGNATION

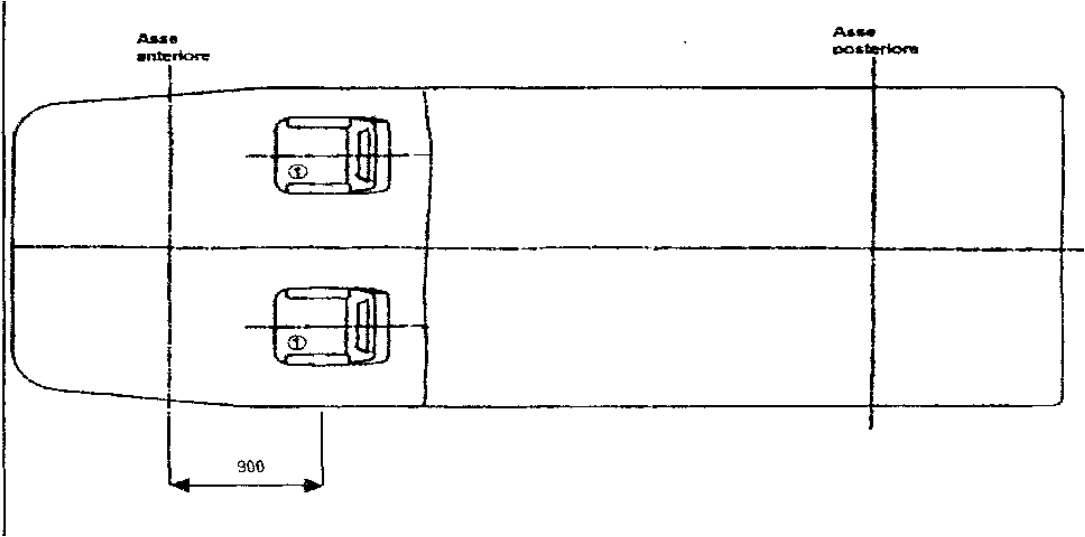
FIAT AUTO S.P.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.

ATTACHMENT -B- TABLE OF CONTENTS

SUBJECT	Reference	Page
Photos of FASP swivel plate	FTPEH#01	1

S.T.C. Studio Tecnico Consociato Altobelli & Anzillotti
Via Monte Pollino, 5 – Località Colleverde 00010 Guidonia (ROMA) – Telephone 0774365012 Fax 0774365015
Site www.stceurope.it e-mail s.t.c@libero.it - stc.european.group@libero.it - info@stceurope.it

e3*76/115*96/38*1576*01 (Stamp and signature)

FASP TAPPEZZERIA Gussago (BS)	Dir. 70/156/EEC, last amended by Dir. 96/38/EC		ATTACHMENT	A
	MOTOR VEHICLE		PAGE	1
	FIAT AUTO S.P.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.		DATE	11.05.2004
	Information Doc. No. FTPEHS01	File: 261hfds0.xls		
Plan view of vehicle				
			<u>DRAWING Number</u>	FTPEHD01
				
1 (one) original FIAT or FASP seat with three-point anchorages, and FASP swivel connection plate				

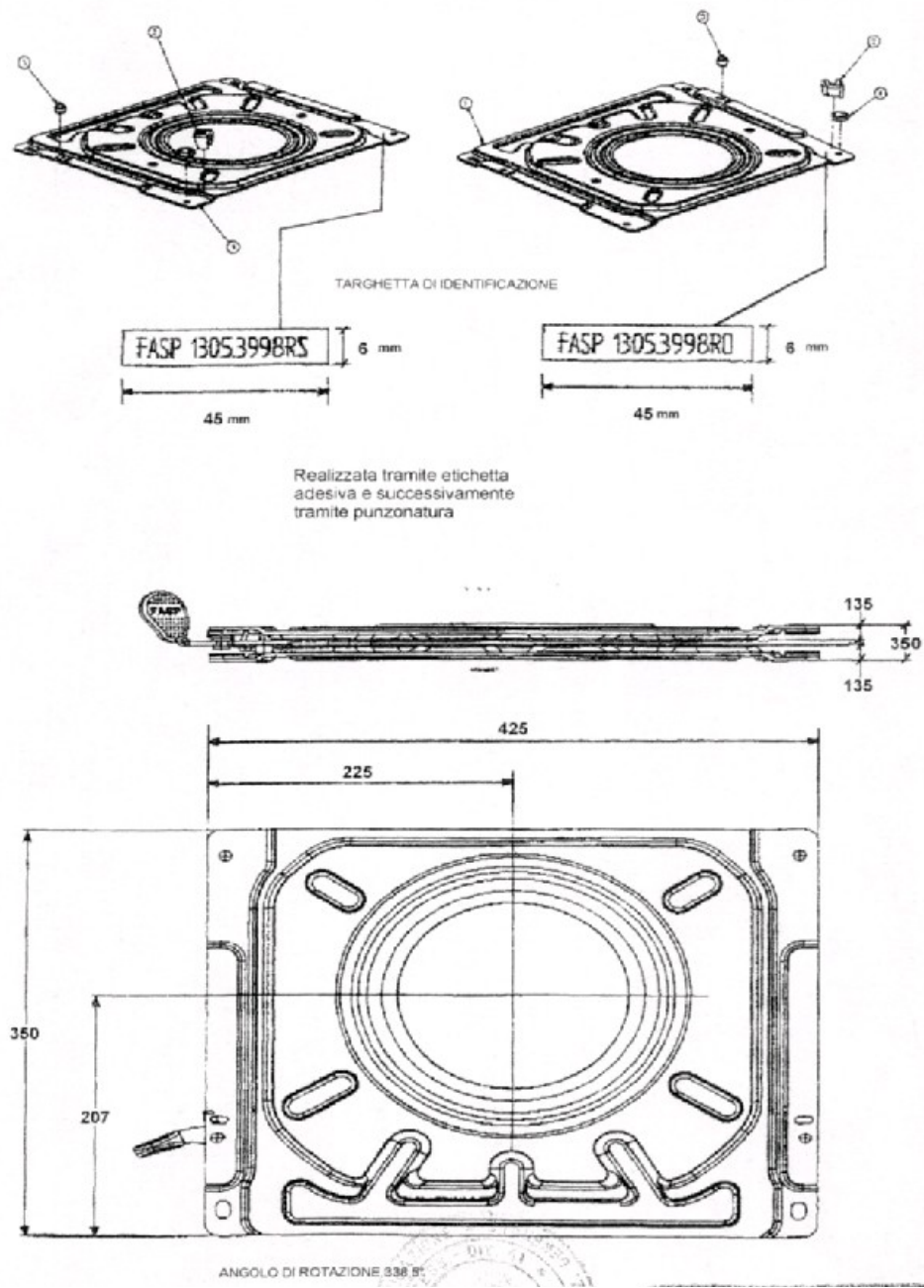
e3*76/115*96/38*1576*01 (Stamp and signature)

FASP TAPPEZZERIA Gussago (BS)	Dir. 70/156/EEC, last amended by Dir. 96/38/EC		ATTACHMENT	A
	MOTOR VEHICLE		PAGE	3
	FIAT AUTO S.P.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.		DATE	11.05.2004
	Information Doc. No. FTPEHS01	File: 261hfds0.xls		

FASP plate structure diagram for seat connection

DRAWING Number

FTPEHD03

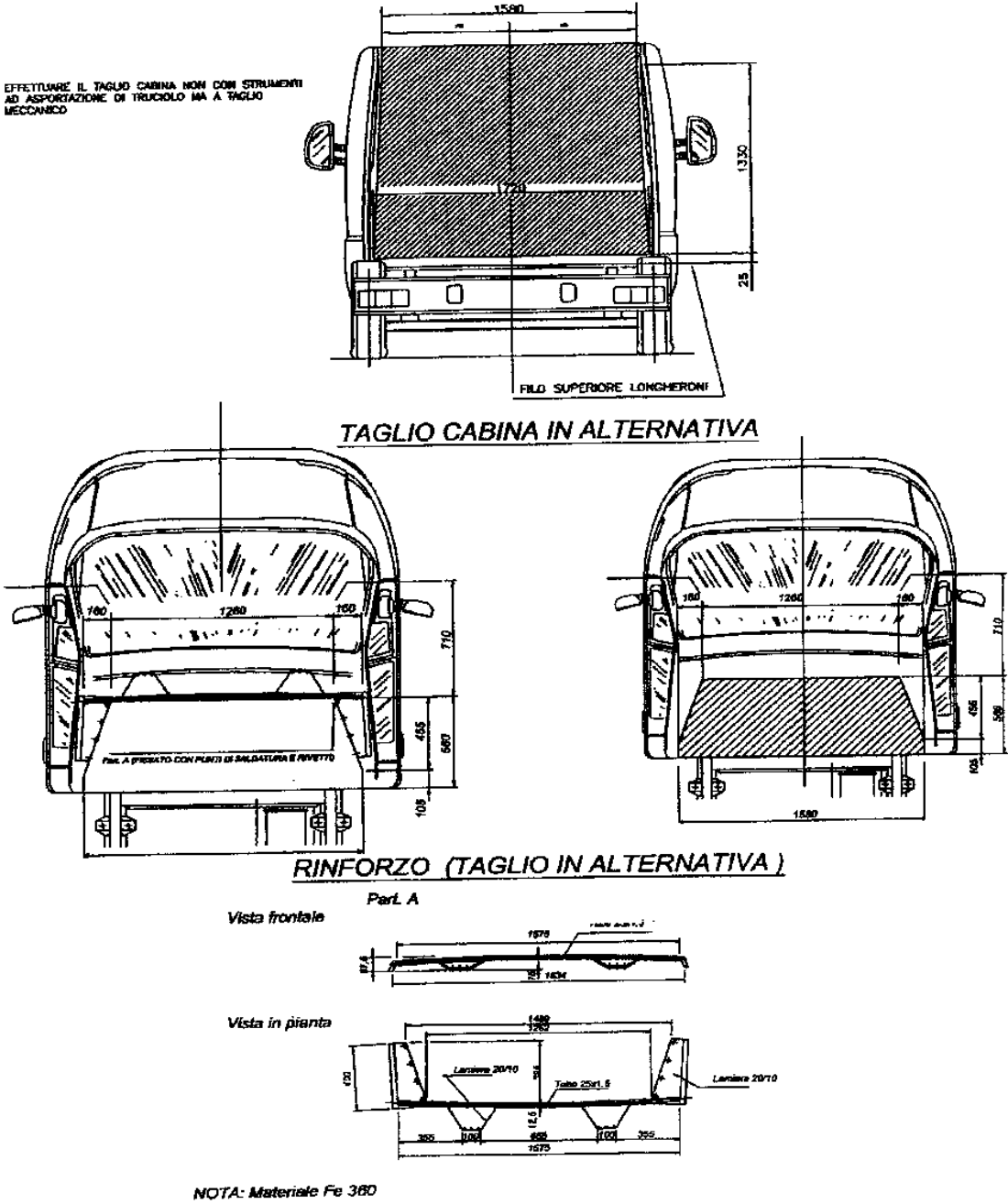


FASP TAPPEZZERIA Gussago (BS)	Dir. 70/156/EEC, last amended by Dir. 96/38/EC	ATTACHMENT	A
	MOTOR VEHICLE	PAGE	4
	FIAT AUTO S.P.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.	DATE	11.05.2004
	Information Doc. No. FTPEHS01	File:	261hfd0.xls

Diagram of cab roof cutting

DRAWING Number

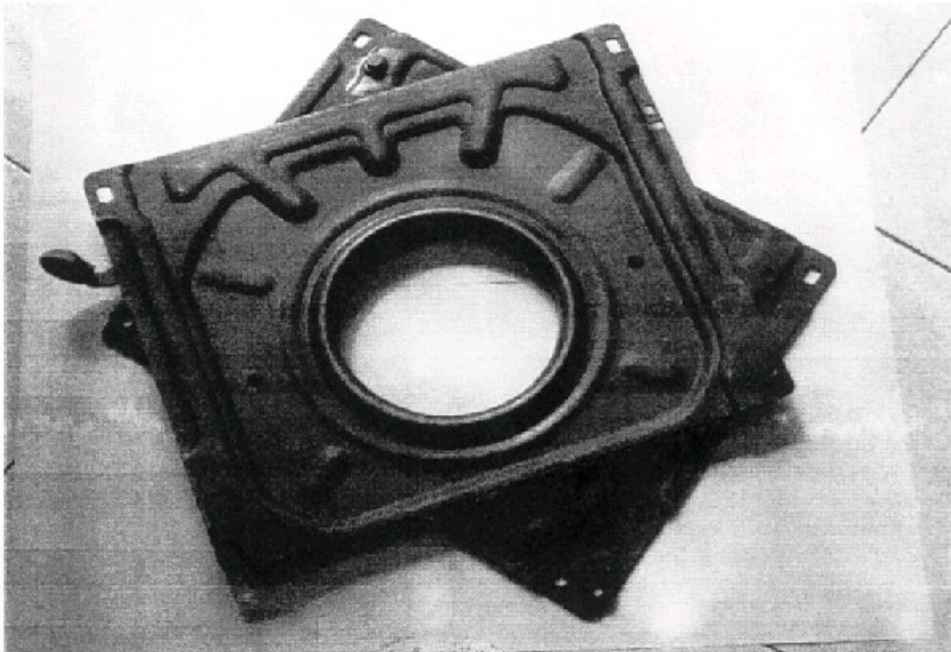
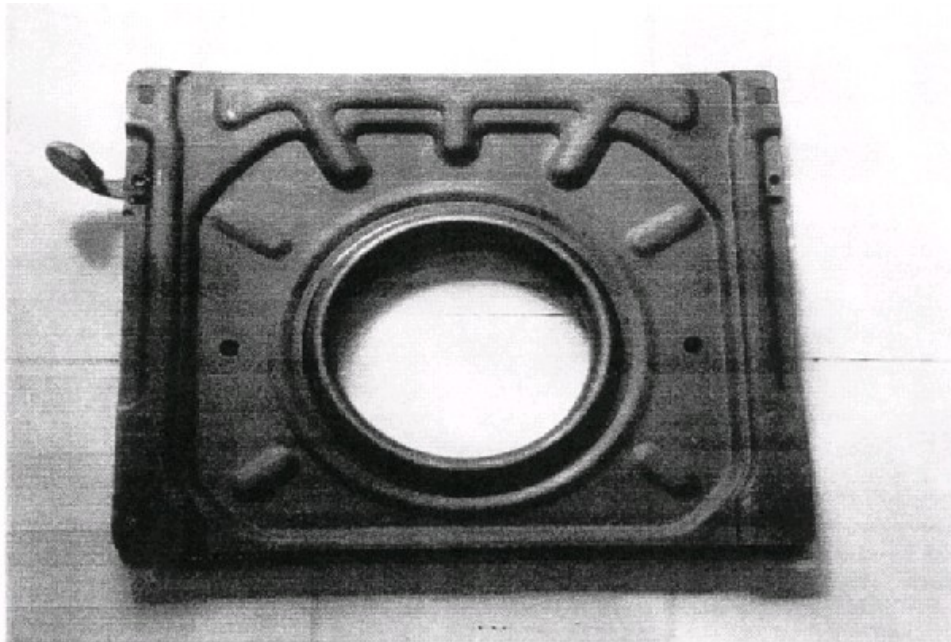
FTPEHD04



FASP TAPPEZZERIA Gussago (BS)	Dir. 70/156/EEC, last amended by Dir. 96/38/EC		ATTACHMENT	B
	MOTOR VEHICLE		PAGE	1
	FIAT AUTO S.P.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.		DATE	11.05.2004
	Information Doc. No. FTPEHS01	File: 261hfds0.xls		

Photos of FASP swivel plate

FTPEH#01





*Ministry
of Transportation and Infrastructures*

DEPARTMENT OF LAND TRANSPORTATION AND INFORMATION AND STATISTICAL SYSTEMS
Higher Research Center for Automotive Vehicle and Device Testing
Via di Settebagni n°333 00138 Roma - Tel. 06-872881 Fax 06-87133903

Prot. no. 2892/04

Rome, 25 JUNE 2004

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

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

OBJECT: Company FASP TAPPEZZERIA S.r.l.
Automotive vehicle
FIAT AUTO S.P.A. 244 ????? ??? FASP TAPPEZZERIA S.r.l.
Extension to partial type-approval according to Directive 96/38/EC
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. 9441/CE of 08.06.2004 ;
- 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.

THE DIRECTOR
 (Mr. Carlo Alberto BARBI, engineer)

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURES

DEPARTMENT OF LAND TRANSPORTATION AND INFORMATION AND STATISTICAL SYSTEMS

HIGHER RESEARCH CENTER FOR AUTOMOTIVE VEHICLE AND DEVICE TESTING

Via di Settebagni, 333 – 00138 Rome – phone 06/872881 – fax 06/87133903

Report no. 9441/CE

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

0. GENERAL DATA

0.1 Brand name (company name) FASP TAPPEZZERIA S.r.l.

02 Type and trade name FIAT AUTO S.P.A. 244 ????? ??

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: N/A

0.7 Place and date of inspections and tests: Rome, 08 June 2004

0.8 Prototype used for tests: N/A

Identification number of chassis: N/A

Maximum mass technically permitted: 3850 kg.

INTRODUCTION

Note that the anchoring system of the safety belts remains unchanged as regards the anchoring system referred to in report n. 9090/CE dated 05 May 2003.

The only variation regards the FASP swivel plate 1305.3998R already foreseen in the reference partial type-approval n. e3*74/408*96/37*1576*00, which has been subject to modifications compared to the former indicated in the same report.

INSPECTIONS

Some visual inspections were performed on the FASP swivel plate 1305.3998R that led to the following considerations.

It should be noted that the modifications made to the matter in question exclusively concern the addition of ribbing on the plate sheet metal and the change in position of the lever which allows the same plate to swivel .

Such variations do not jeopardize in any way the results of tests on the anchorage system previously achieved with report n. 9090/EC of 05 May 2003.

On the contrary it can be retained that the resistance features of the plate have been in this way improved. The technical features of the plate in question have been checked and confirmed as seen in the information document n. FTPEHS01, attached to this present report.

In consideration of that stated above, it is not retained necessary to submit the vehicle for new tests, as the tests indicated in the above mentioned report, attached to this document, are considered valid.

The FASP swivel plate 1305.3998R is identified by the registration plate which states the name of the manufacturer and product type.

The photographs of the above mentioned swivel plate are illustrated in Attachment I.

CONCLUSIONS

Given successful passing of the inspections and tests stated in the present report, the FIAT AUTO S.p.A. vehicle is declared in conformity, concerning safety belt anchorage, with the requirements stated in Directive 76/115/EEC-96/38/EC.

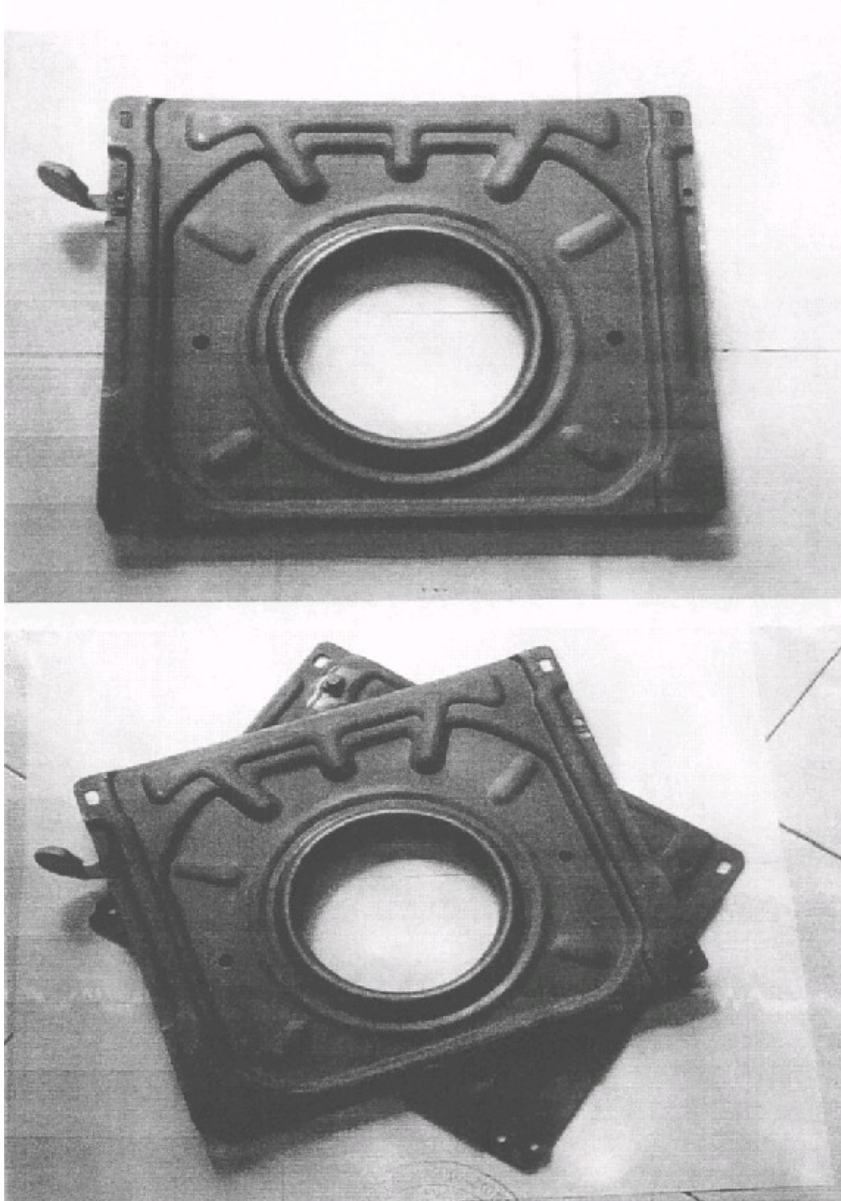
Rome, 08 June 2004

Official of C.S.R.P.A. di Roma
(P.I. Mario VALENTE)

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

THE DIRECTOR of C.S.P.A.D.
(Mr. Carlo Alberto BARBI, engineer)

FASP type 1305.3998R SWIVEL PLATE



MINISTRY OF TRANSPORTATION AND INFRASTRUCTURES

DEPARTMENT OF LAND TRANSPORTATION AND INFORMATION AND STATISTICAL SYSTEMS

HIGHER RESEARCH CENTER FOR AUTOMOTIVE VEHICLE AND DEVICE TESTING

Via di Settebagni, 333 – 00138 Rome – phone 06/872881 – fax 06/87133903

Report no. 9090/CE

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

0. GENERAL DATA

0.1	Brand name (company name)	FASP TAPPEZZERIA S.r.l.
02	Type and trade name	FIAT AUTO S.P.A. 244 ????? ???
		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:	N/A
0.7	Place and date of inspections and tests:	Pomezia, 05 May 2003
0.8	Prototype used for tests:	FIAT AUTO S.p.A. DUCATO 244
	Identification number of chassis:	ZFA244000*07198126
		Maximum mass technically permitted: 3850 kg.

INTRODUCTION

Note that the anchorages of the safety belts of the front seats remain unchanged as regards the FIAT AUTO S.p.A. originals.

The inspections are carried out on a chassis-cab version because the structural modifications made to the original vehicle exclusively concern the driver's cab from which part of the rear wall and roof is removed.

This cutting does not compromise the structural characteristics of the cab and leaves room for passage between the driver's cab and the rear compartment.

The only variation regards moving the point "H" position upwards when a FASP type or 1305.3998 swivel plate is applied. This possibility is permitted on both driver's cab seats using either original seats or FASP type 306 seats.

The tests were carried out on the driver's seat as well as the passenger's seat since they differ - the first one may be adjusted both longitudinally and in height, the second may only be adjusted longitudinally.

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. FTPDGS01 (for drawings, see information document).

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. FTPDGS01).

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:

Test with FASP seats and FASP swivel plate

This test also covers the one with an original seat and a FASP plate, which was not carried out because the seats have the same characteristics.

Belts	Load required for each branch of belt (daN)	Load required for each seat (daN)	Test load for each branch of belt and seat (daN)	Total test load (daN)	Application of load (sec)	Maintaining of load (sec)
Two three-point belts with retractor	1350±20 (upper) 1350±20 (lower)	20 x (seat weight) = 600	1350 + 1350 + 600 = 3300	3300 x 2 = 6600	1,8	1,7

Weight of seat with swivel plate = 30 kg (23 kg seat; 7 kg plate).

Loading with suspended mass and equalization of the load by means of pulleys.

3.2.1.1. Structure behavior: See table in point 3.2.1.

3.2.12 Lower and upper anchorages:

Limited permanent deformations were found in the structure of the seat near the anchorages. The structure of the vehicle and structure of the other anchorages did not deform, fail, or break.

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

4. CONCLUSIONS

Given successful passing of the inspections and tests stated in the present report, the FIAT AUTO S.p.A. vehicle is declared in conformity, concerning safety belt anchorage, with the requirements stated in Directive 76/115/EEC-96/38/EC.

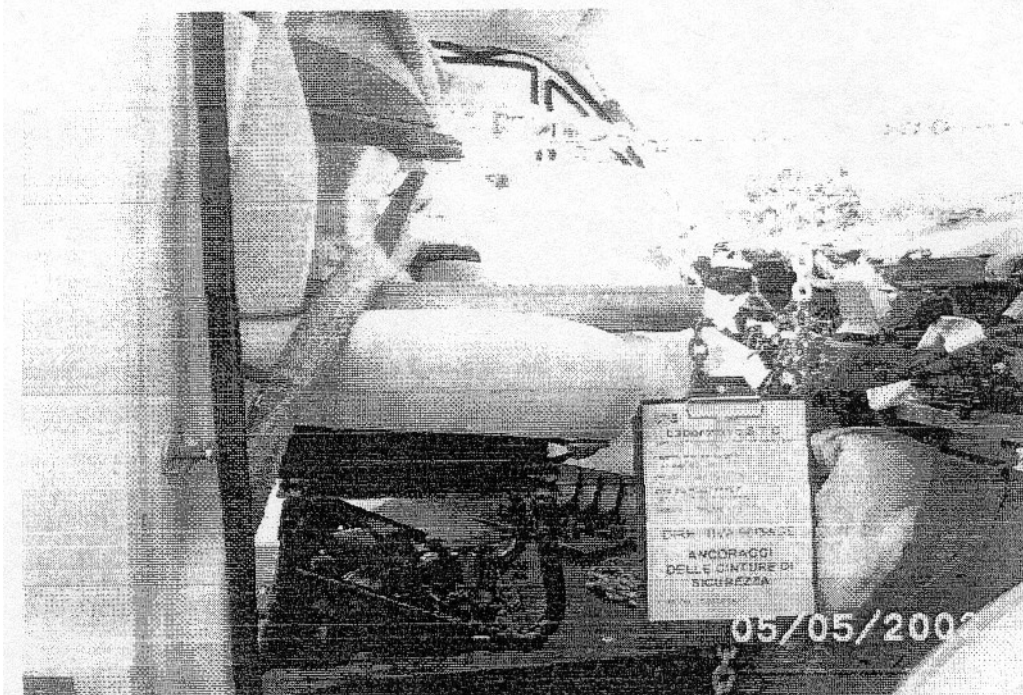
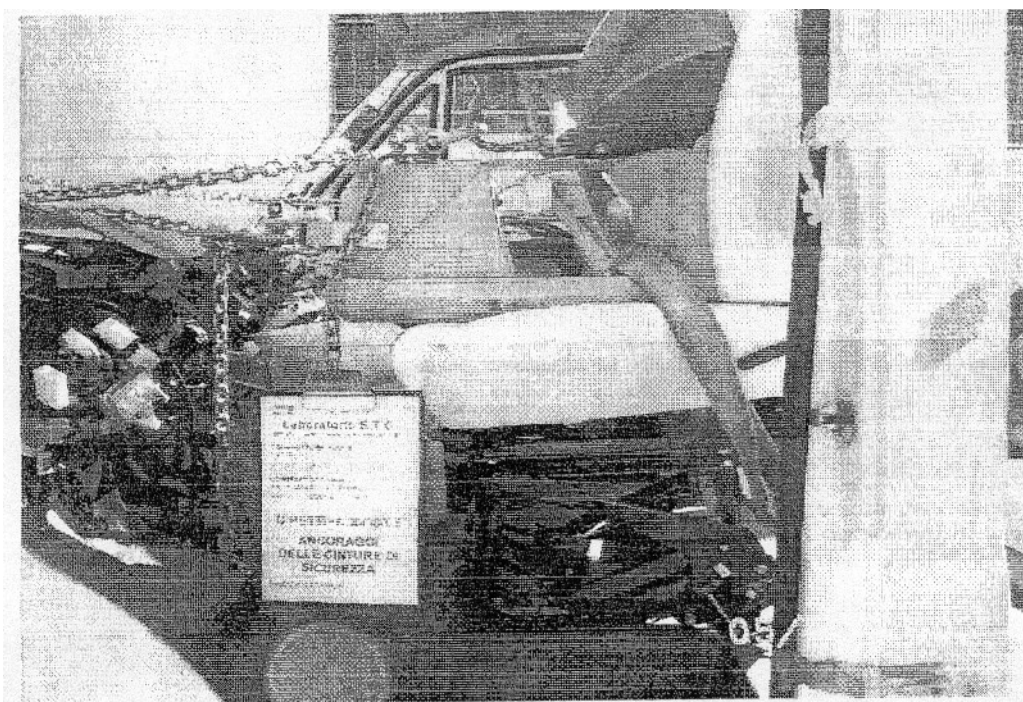
Rome, 5 May 2003

Official of C.S.R.P.A. di Roma
(P.I. Mario VALENTE)

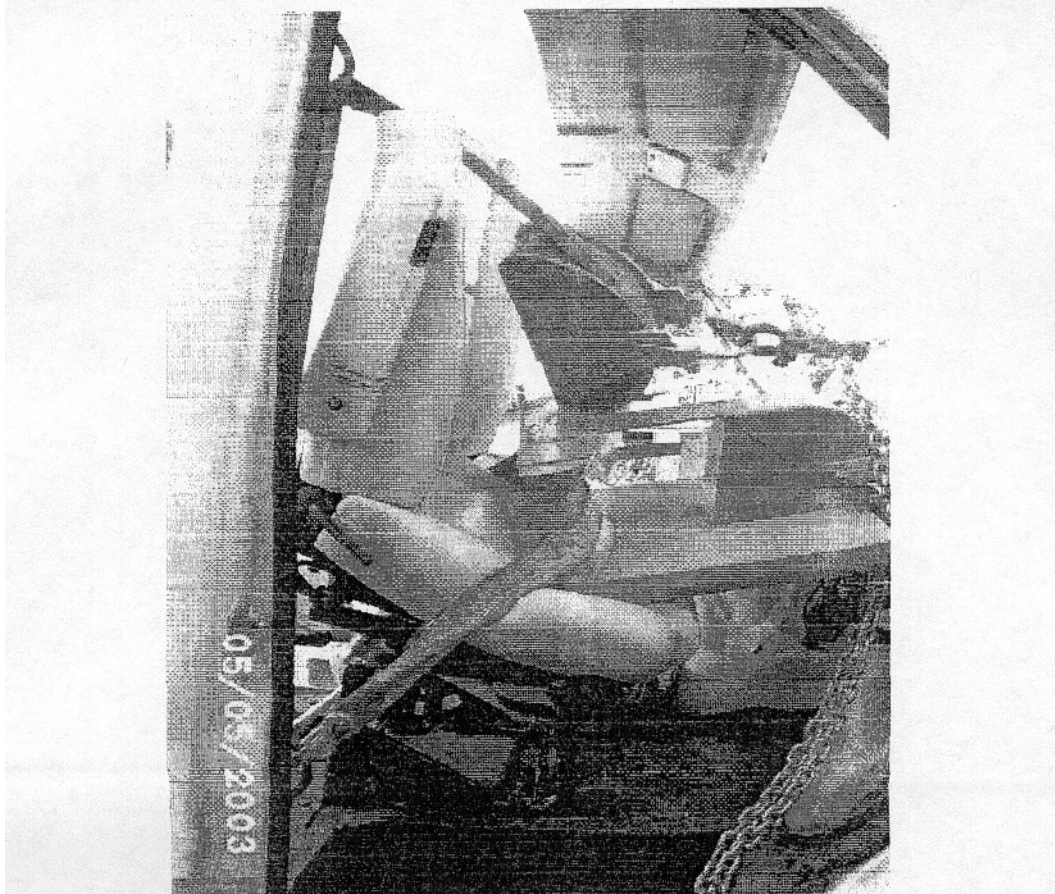
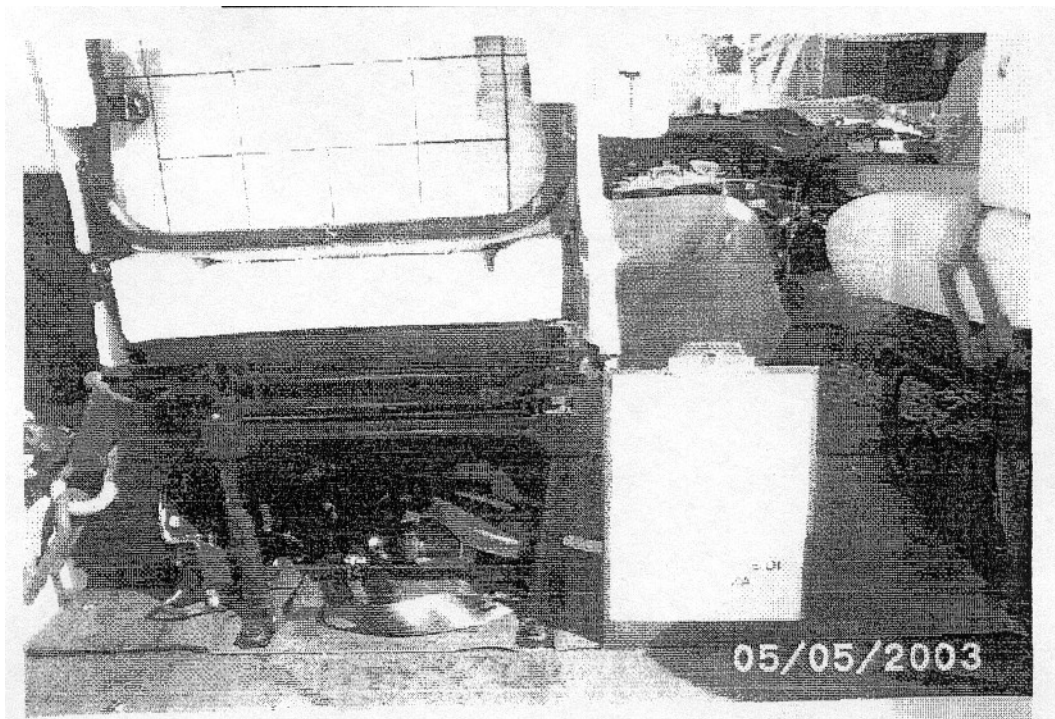
The representative of the applicant company
(S.T.C. Altobelli & Anzillotti)
(P.I. Francesco ALTOBELLI)

THE DIRECTOR of C.S.P.A.D.
(Mr. Carlo Alberto BARBI, engineer)

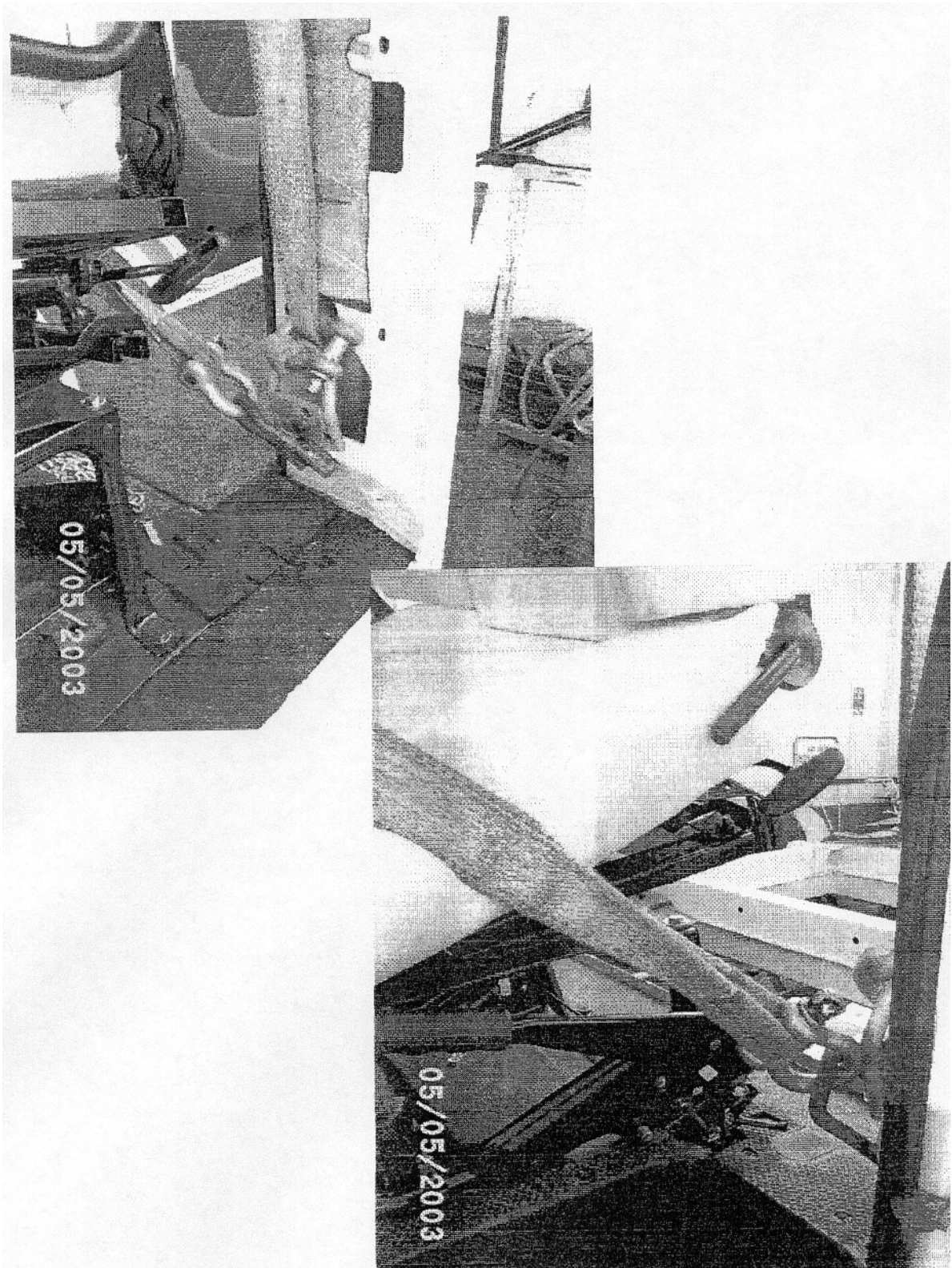
TESTS WITH FASP PLATE AND FASP SEAT



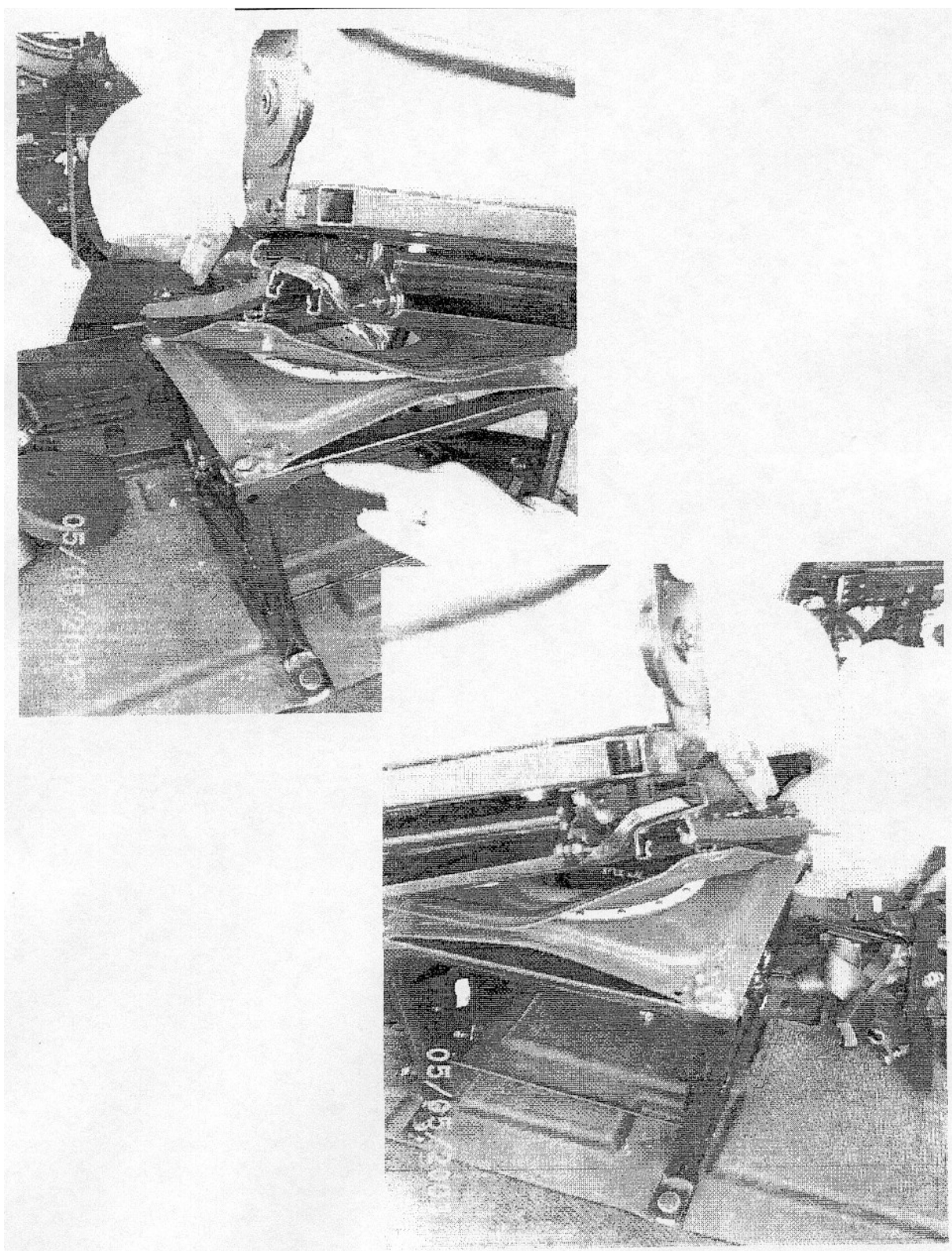
TESTS WITH FASP PLATE AND FASP SEAT



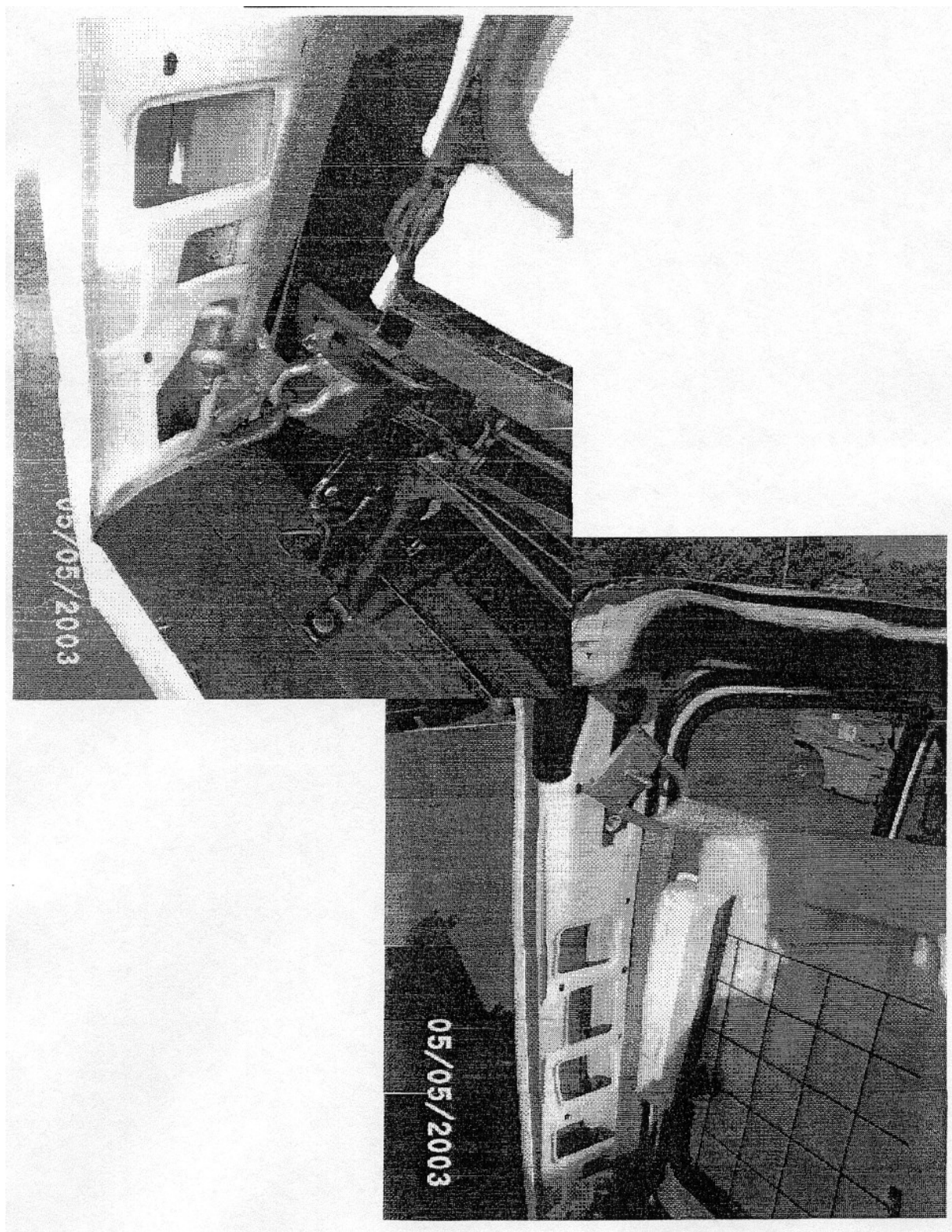
TESTS WITH FASP PLATE AND FASP SEAT



TESTS WITH FASP PLATE AND FASP SEAT



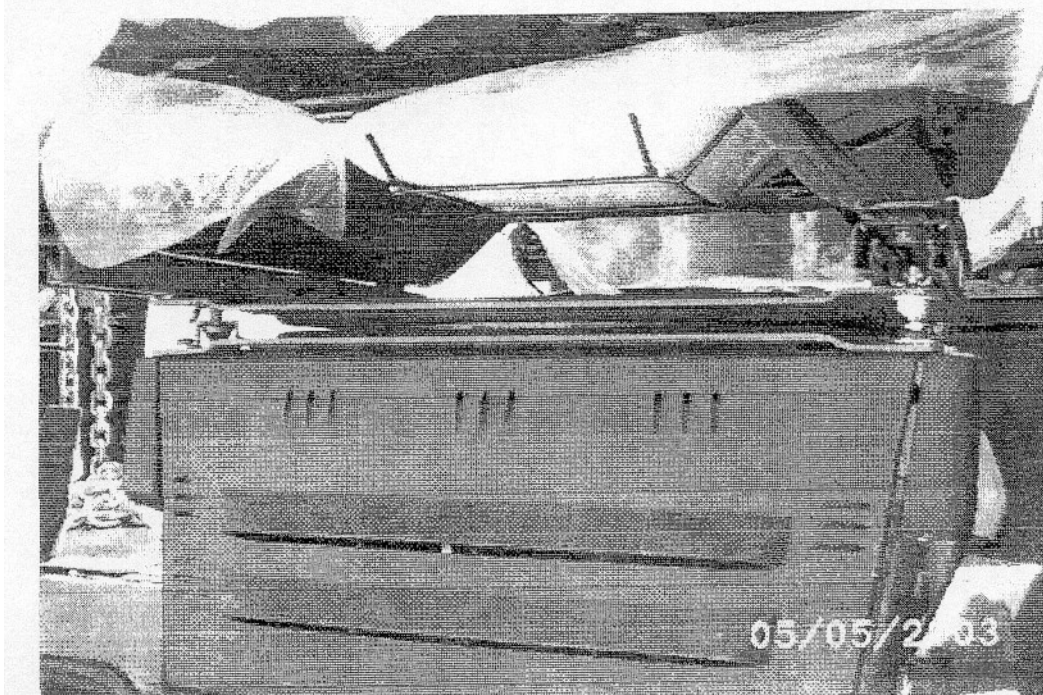
TESTS WITH FASP PLATE AND FASP SEAT



TEST WITH FASP PLATE AND ORIGINAL FIAT SEAT



TEST WITH FASP PLATE AND ORIGINAL FIAT SEAT



FASP SWIVEL PLATE type 1305.3998

