

THE NETHERLANDS (NEDERLAND)





COMMUNICATION

Concerning (1):

- approval granted
- approval extended
- approval refused
- approval withdrawn
- production definitely discontinued

of restraining devices for child occupants of power-driven vehicles, pursuant to Regulation number 44.

Approval number: E4-44R-044344 Extension number: 01

1.1. Forward-facing child restraint/rearward-facing child restraint/earry-cot;

1.2. Integral/non-integral/partial/booster cushion;

1.3. Belt type : (adult) three-point belt/(adult) lap belt/

special type belt/retractor (1)

1.4. Other features : chair assembly/impact shield (1)

2. Trade name or mark : Global LUCKY BABY, Best baby, SPARCO

3. Manufacturer's designation of the child

restraint : LB-393

4. Manufacturer's name : Jiangsu Lucky Baby Safety System MFG. Co.,

Ltd.

5. If applicable, name of his representative: N/A

6. Address : Hongqiao Industry Park, Qiwei Town, Taixing

City, Jiangsu Province, P.R. China

7. Submitted for approval on : 2015-12-23



8. Technical service conducting approval

tests : TÜV SÜD Auto Service GmbH

Westendstraße 199 D-80686 München

9. Type of device : deceleration/acceleration (1)

10. Date of test report issued by that service: 2016-01-26

11. Number of test report issued by that

service : 13-00351-CX-SHA-01

12. Approval : granted/refused/extended/withdrawn (1)

For use in : Groups θ , 0+, I, H or HI

And for : universal/semi-universal/restricted use or use in a

specific vehicle or for use as a 'special needs

restraint', position in vehicle

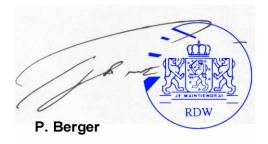
13. Position and nature of the marking : On the back of the rear cover of the child

restraint

14. Place : Zoetermeer

15. Date : 03-FEB-2016

16. Signature :



- 17. The following documents, bearing the approval number shown above, are attached to this communication:
 - (a) Drawings, diagrams and plans of the child restraint, including any retractor, chair assembly, impact shield fitted;
 - (b) Drawings, diagrams and plans of the vehicle structure and the seat structure, as well as of the adjustment system and the attachments, including any energy absorber fitted;
 - (c) Photographs of the child restraint and/or vehicle structure and seat structure;
 - (d) Instructions for fitting and use;
 - (e) List of vehicle models for which the restraint is intended.

Child-restraint R44-04 v4.00 Page 2 of 2

⁽¹⁾ Strike out what does not apply.



Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

Type: LB-393 Page 1 / 8

TECHNICAL REPORT

No.: 13-00351-CX-SHA-01

Test according to the ECE regulation relating to

restraining devices for child occupants of power-driven vehicles ("Child restraint system")

ECE regulation No.: 44

including all amendments up to

supplement 09 to the 04 series

I.	Technical description	
0.1.	Make (trade name of manufacturer):	Global LUCKY BABY, Best baby, SPARCO
0.2.	Type:	LB-393
0.5.	Name and address of manufacturer:	Jiangsu Lucky Baby Safety System MFG. Co., Ltd. Hongqiao Industry Park, Qiwei Town, Taixing City, Jiangsu Province, P.R. China
0.7.	In the case of components and separate technical units, location and method of affixing of the ECE approval mark:	on the back of the rear cover of the child restraint
0.8.	Address(es) of assembly plant(s):	Hongqiao Industry Park, Qiwei Town, Taixing City, Jiangsu Province, P.R. China





Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

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II.	Test record	
1.	Description of the device	
1.1.	Category(ies):	Universal /semi-universal /restricted /specific vehicle /special needs restraint
1.2.	Mass group(s):	0 (~10kg) /0+ (~13kg) /I (9~18kg) / II (15~25kg) / III (22~36)kg
1.3.	CRS orientation:	Forward-facing /rearward-facing /carry-cot
1.4.	Class of the retention system:	Integral /non-integral /partial /booster cushion
1.5.	Belt type:	(Adult) three-point belt / (adult) lap belt /special type belt /retractor /not applicable
1.6.	ISOFIX size class:	A /B /B1 /C /D /E /F /G /not applicable
1.7.	Anti-rotation device:	Top-tether /support leg-/not applicable
1.8.	Class of lock-off device:	A/B /not applicable
1.9.	Type of retractor:	Automatically-locking /emergency-locking /not applicable
1.10.	Other features:	Chair assembly /impact shield
1.11.	Drawings, diagrams and plans of the child restraint including any retractor, chair assembly, impact shield fitted:	See information document
1.12.	Declaration on toxicity in accordance with par.6.1.5. of this regulation:	All related parts fulfilled the requirements
1.13.	Declaration on flammability in accordance with par.6.1.6. of this regulation:	All related parts fulfilled the requirements
1.14.	Instruction for use of child safety seat in the vehicle:	See manufacturer's instruction manual
1.15.	Mass of the complete CRS:	7.9 to 8.1 kg



Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

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2. <u>Test conditions:</u> Due to the reason of extension stated in An-

nex 1 the tests listed below were performed.

2.1. Type of test sample: LB-393

2.2. Test procedures used: According to requirements of ECE Regulation

No. 44, general specifications described in paragraph 6, approval tests described in paragraphs 7, 8 and 11, compulsory markings and instructions described in paragraphs 4

and 15

2.3. Measured and test equipment: Used equipments fulfill all requirements of the

ECE Regulation No. 44.

3. Test results

Following numbering is according to ECE Regulation No. 44 / marked in italic /

7.1.1. Resistance to corrosion: No signs of deterioration likely to impair the

(NSS, 50 hours) proper functioning and no significant corro-

sion for the new buckle, pass

7.1.2. Energy absorption: Pass, see Table No. 1

(mass of 2.75kg, height of 100mm)

Table No. 1: Results of energy absorption tests

	Head impact area		Limit	Result
	Doolswoot	Lower		13.9
Daali aasalamatian [n]	Backrest	Upper	≤ 60	12.7
Peak acceleration [g]	Side wing	Lower		11.6
		Upper		8.9
Depth of side wings [mm] (for rearward-facing device)			≥ 90	185





Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

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7.1.3. Overturning:

Pass, see Table No. 2

(angle of 540°, speed of 2-5 degrees /s)

Table No. 2: Results of overturning tests

	Configuration		Mass of			
	of CRS	clockwise	anti- clockwise	roll ahead	roll back	dummy
	integral class, group 0+, anchorage:	58	60	54	56	3.4kg
Head vertical movement	adult belt, retention: harness	64	72	69	67	11kg
[mm] ≤300	integral class, group I, anchorage:	83	77	76	74	9kg
	adult belt, retention: 90 harness		89	86	92	15kg





Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

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7.1.4. Dynamic test: Pass, see Table No. 3

Type of dynamic test device: Acceleration / deceleration

Deceleration or acceleration curves: Fulfilled

Table No. 3: Results of dynamic tests

Configuration of CRS: Mass group: 0+

Anchorages used: adult 3-point belt Backrest position: fixed / upright / inclined

In case of ISOFIX CRS: With / without anti-rotation device

Support leg: longest / shortest / n.a.

Top tether

Remarks: -

Testing parameter		Requir	ement	Result		
CR	S orientation	-	forward / rearward		d facing	
Impact direction		-	•	front	frontal / rear impact	
Bar simula	Bar simulating the dashboard			-	-	-
Mass	of dummy [kg]	-	-	-	11	-
Total veloc	Total velocity change ΔV [km/h]		32~34 (rear)	-	50.0	-
Max. resultant chest acceleration [g]		≤ 55		-	39.62	-
Max. vertical chest acceleration [g]		≤ 30		-	5.65	-
	x [mm] (horizontal)	≤ 500 / 550 / 700 ⁽¹⁾		-	<683.25	-
Max. head	at time [ms]		-	-	89	-
displacement	z [mm] (vertical)	≤ 800 ≥	/ 840⁽²⁾	-	<659.31	-
	at time [ms]	-		-	10	-
Head passes	olane BA/ FG (forwards)	no		-	no	-
Head passes	plane DA / FD (upwards)	no		-	no	-
Head passes	s plane DE (rearwards)	no		-	no	-
A contact with Ø100mm bar		-		-	no	-
Buckle releas	sing force after test [N]	≤ .	80	-	74.7	-
Failu	re or brakeage	no	ne	-	none	-
Abdom	ninal penetration	no	ne	-	none	-
(1) 500 for test of	1) 500 for test of ISOFIX CRS of size classes A. B. and B1 with anti-rotation device in use. 700 for test					

^{(1) 500} for test of ISOFIX CRS of size classes A, B and B1 with anti-rotation device in use; 700 for test of rear-facing CRS supported by dashboard or other than group 0 not supported by dashboard.

⁽³⁾ Chest acceleration limits do not apply when using the "new born" manikin as it's not instrumented.



^{(2) 840} for test of forward-facing CRS when using dummy P10 (32kg).



Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

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Configuration of CRS: Mass group: I

Anchorages used: adult 3-point belt

Backrest position: fixed / upright / inclined

In case of ISOFIX CRS: With / without anti-rotation device

Support leg: longest / shortest / n.a.

Top tether

Remarks:

Test	Requir	rement		Result		
CF	CRS orientation				forward / rearward facing	
Impact direction		-	-	front	al / rear im	pact
Bar simul	ating the dashboard	-	-	-	-	-
Mass	of dummy [kg]	-	-	-	15	-
Total veloc	ity change ΔV [km/h]	50~52 (frontal)	32~34 (rear)	-	50.1	-
Max. resultar	nt chest acceleration [g]	≤ 55		-	32.97	-
Max. vertical chest acceleration [g]		≤ 30		-	14.16	-
	x [mm] (horizontal)	≤ 500 / 550 / 700 ⁽¹⁾		-	532.81	-
Max. head	at time [ms]	-		-	118	-
displacement	z [mm] (vertical)	≤ 800	/ 840⁽²⁾	-	634.65	-
	at time [ms]	-		-	69	-
Head passes	plane BA/ FG (forwards)	no		-	no	-
Head passes	plane DA/ FD (upwards)	no		-	no	-
Head passes	Head passes plane DE (rearwards)		no		n.a.	-
A contac	t with Ø100mm bar		-	-	-	-
Buckle relea	sing force after test [N]	≤	80	-	65.3	-
Failu	re or brakeage	no	ne	-	none	-
Abdon	ninal penetration	no	ne	-	none	-

^{(1) 500} for test of ISOFIX CRS of size classes A, B and B1 with anti-rotation device in use; 700 for test of rear-facing CRS supported by dashboard or other than group 0 not supported by dashboard.

- (2) 840 for test of forward-facing CRS when using dummy P10 (32kg).
- (3) Chest acceleration limits do not apply when using the "new born" manikin as it's not instrumented.

7.1.5. Resistance to temperature:

No signs of deterioration likely to impair the proper functioning for the new buckle, pass





Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

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7.2.1. Buckle

7.2.1.1.- General requirements for buckles (in-

7.2.1.6. cluding dimensional and geometrical): Pass, see Table No. 5 /not applicable

Table No. 5: Results of dimensional check of buckles

Button	Result	Required
Width for enclosed [mm]	-	≥ 15
Area for enclosed [cm ²]	-	≥ 4.5
Width for non-enclosed [mm]	17	≥ 10
Area for non-enclosed [cm ²]	5.1	≥ 2.5

7.2.1.7. Cycling before dynamic test:

(5000 ± 5 opening and closing cycles)

Pass /not applicable

7.2.1.8.1. Loaded buckle opening force:

Pass, see Table No. 3 /not applicable

7.2.1.8.2. Unloaded buckle opening force:

Pass, see Table No. 6 /not applicable

Table No. 6: Results of unloaded buckle opening force

	Result	Required
Sample 1	54.0	40~80 N
Sample 2	61.0	40~60 IN

7.2.1.9. Strength of the buckle:

Pass, see Table No. 7 /not applicable

Table No. 7: Results of strength tests

	Result	Required
Sample 1	No broken or detached with 4000N	4000N for group 0, 0+;
Sample 2	No broken or detached with 4000N	10000N for group I, II, III

4. Place and date of the test:

TATC, Tianjin, P.R. China 21.08.2013~30.08.2013 (DD.MM.YYYY) 23.12.2015~30.12.2015 (DD.MM.YYYY)





Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd.

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III. <u>Enclosures</u>

1. Annex 1: Reason of extension

2. Information document No.: 044-LB393-01

dated 01.12.2015 (DD.MM.YYYY)

IV. Statement of conformity

The information folder as mentioned under No. III and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document "Preparation of Test Reports".

The test report may be reproduced and published in full and by the client only. It can be reproduced partially with the written permission of the test laboratory only.

Test report(s) no.13-00351-CX-SHA-00 issued by the Technical Service of TÜV SÜD Automotive GmbH plus all documents and measurement results necessary for evaluation had been submitted. The above test reports continue to apply to the type of vehicle/vehicle component. This test report provides a summary of, and covers the full scope of, type testing, including the documentation of the vehicle/vehicle component.

München, 26.01.2016

(DD.MM.YYYY)

Total Solies Sol

Joe Zhou

Test Laboratory / DIN EN ISO 17025

Genehmigungsbehörde/ Approval authority	Land/Country	_	Aktueller Benennungsumfang/ Actual scope list
Kraftfahrt-Bundesamt (KBA)	Deutschland/ Germany	KBA-P 00100-10	www.kba.de
Vehicle Certification Agency (VCA)	Vereintes Köni- greich/ United Kingdom	VCA-TS-006	http://ec.europa.eu/enterprise/sectors/automotive/approval- authorities-technical-services/technical-services/index_en.htm
Approval Authority of the Netherlands (RDW)	Niederlande/ The Netherlands	RDWT-082-01	
National Standards Authority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certification Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	http://www.vscc.org.tw/English/Default.aspx
		•	



Manufacturer: Jiangsu Lucky Baby Safety System MFG. Co., Ltd. Annex 1
Type: LB-393 Page 1 / 1

Reason of extension

Added:

- Trade name or mark "SPARCO"

Modified:

- The parts in the table below

	The parts in the ta	able below	I	.	
No.	Location of modi- fied component	Before change	After change	Description of design change	Drawing Name and No.
				To change shape	adjuster cover 2, LB/BBC-393-P18
1		M	· Control of the cont	To change shape	adjuster button 2, LB/BBC-393-P19
		Immu		To reduce the length of spring to make adjuster button fit adjuster cover	spring -2, LB/BBC-393-S02
		none		To add a board	Headrest board, LB/BBC-393-P17
2				Cooperating headrest board with screws	Backrest, LB/BBC-393-P01
		(AA)	(AA)	Cooperating headrest board	Headrest EPS, LB/BBC-393-PS03
3	No.	A40 N		To change the buckle	Buckle, 63-4959-XX
	Deleted:		<u>I</u>	<u> </u>	

Deleted:

- None Corrected:

- None





Type: LB-393

Information document No.: 044-LB393-01

Date: 2015-12-01

Page No.: 1 of 7

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF RESTRAINING DEVICES FOR CHILD OCCUPANTS OF POWER-DRIVEN VEHICLES

(ECE Regulation No. 44.04)

FOR PRODUCT TYPE LB-393

Application for	type	approval	
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Application for extension of type approval Number of approval: E4-44R-044344

Responsible person:

General Manager / Cao Guangming Jiangsu Lucky Baby Safety System MFG. Co., Ltd.





Type: LB-393

Information document No.: 044-LB393-01

Date: 2015-12-01

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Confirmation

We declare hereby that the specimen Child Car Seat submitted for this approval test has been manufactured and assembled on conditions of ordinary mass production and that they are compatible with enclosed documentation.





Type:	LB-393
iypo.	000

Information document No.: 044-LB393-01

Date: 2015-12-01

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0	GENERAL	
0.1	Trade name or mark:	Global LUCKY BABY, Best baby, SPARCO
0.2	Type and general commercial description(s):	LB-393
0.5	Name and address of manufacturer:	Jiangsu Lucky Baby Safety System MFG. Co., Ltd.
		Hongqiao Industry Park, Qiwei Town, Taixing City, Jiangsu Province, P.R. China
0.7	In the case of components and separate technical units, location and method of affixing of ECE approval mark:	on the back of the rear cover of the child restraint
0.8	Address(es) of assembly plant(s):	Hongqiao Industry Park, Qiwei Town, Taixing City, Jiangsu Province, P.R. China
1	DESCRIPTION OF THE DEVICE	
1.3	Child restraint system	
1.3.1	Category(ies):	□ universal □ semi-universal □ restricted □ specific vehicle □ special needs restraint
1.3.2	Mass group(s):	□0 ⊠0+ ⊠I □II □III
1.3.3	CRS orientation:	 □ 0: carry-cot /rearward-facing⁽¹⁾ □ 0+: rearward-facing □ II: forward-facing /rearward-facing⁽¹⁾ □ III: forward-facing /rearward-facing⁽¹⁾ □ III: forward-facing /rearward-facing⁽¹⁾
1.3.4	Class of the retention system:	□ 0: integral □ 0+: integral □ 1: integral /non-integral □ II: non-integral /booster cushion □ III: non-integral /booster cushion □ III: non-integral /booster cushion
		RDW /



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Date: 2015-12-01

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1.3.5	Belt type:	(adult) three-point belt / (adult) lap belt /special type belt /retractor /n/a ⁽¹⁾
1.3.6	ISOFIX size class:	□A □B □B1 □C □D □E □F □G ⊠n/a
1.3.7	Anti-rotation device:	top-tether /support leg /n/a ⁽¹⁾
1.3.8	Class of lock-off device:	□A □B ⊠n/a
1.3.9	Type of retractor:	automatically-locking /emergency-locking /n/a ⁽¹⁾
1.3.10	Other features:	chair assembly /impact shield ⁽¹⁾
1.3.11	Drawings, diagrams and plans of the child restraint, including any retractor, seat assembly, and impact shield fitted:	see corresponding drawings attached
1.3.12	Declaration on toxicity in accordance with par. 6.1.5 of ECE R44:	see Statement concerning the Toxicity and Flammability in page 5
1.3.13	Declaration on flammability in accordance with par. 6.1.6 of ECE R44:	see Statement concerning the Toxicity and Flammability in page 5
1.3.14	User guide:	see Instruction manual and Installation label
1.3.15	Mass of the complete CRS:	7.9 to 8.1 kg
1.3.16	Brief description of the fitting in vehicle:	⊠0+: adult 3-point safety belt ⊠I: adult 3-point safety belt
1.3.17	Brief description of the retention of the child within the restraint system:	⊠0+: harness ⊠I: harness
1.3.18	Backrest inclination adjustment of CRS:	⊠0+: fixed / adjustable ⁽¹⁾ ⊠I: fixed /adjustable ⁽¹⁾
1.3.19	Other description:	n/a



⁽¹⁾ Strike out what does not apply.



Type: LB-393

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Statement concerning the Toxicity and Flammability

We hereby declare that the materials used to manufacture the child restraint system are in conformity with the requirements of par.6.1.5. and par.6.1.6. in regulation ECE R44.04 regarding to the toxicity and flammability.





Type: LB-393

Information document No.: 044-LB393-01

Date: 2015-12-01

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Reason of extension

Added:

- Trade name or mark "SPARCO"

Modified:

- The parts in the table below

No.	Location of modified component	Before change	After change	Description of design change	Drawing Name and No.
1				To change shape	adjuster cover 2, LB/BBC-393-P18
			V.	To change shape	adjuster button 2, LB/BBC-393-P19
			Illumi	To reduce the length of spring to make adjuster button fit adjuster cover	spring -2, LB/BBC-393-S02
2		none		To add a board	Headrest board, LB/BBC-393-P17
				Cooperating headrest board with screws	Backrest, LB/BBC-393-P01
			A.A	Cooperating headrest board	Headrest EPS, LB/BBC-393-PS03
3		AUON		To change the buckle	Buckle, 63-4959-XX
	Deleted:		I		l

Deleted:

- None Corrected:

- None





Type: LB-393

Information document No.: 044-LB393-01

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Annex list

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Drawings of the modified or added parts	1~7



