



Knee Protection for Kids

CAR SEAT FOOTREST

Kids Sitting in the Car Seat!

Why Would They Do These Things?



Kids Crossing legs in the car seat or putting their feet on the armrest / the front seat.

- This is because the gravity pulls their legs down as much as their legs weight. Kids unconsciously protect their knees and legs from the gravity by putting their legs on top of something.



Kids kicking the back of the front seat.

Kids crying and throwing a tantrum.

- Dangling legs may cause blood circulation problems and leg numbness. Kids kick the back of the front seat to reduce knee pain with longer car trips.

- Kid's body slides forward while the car is running and this can increase the pressure from seat belt. Also, feet not being stable can cause psychological discomfort.

Children throwing a tantrum disturb **SAFE DRIVING**



Why Car Seat Footrest?



Interview With Dr. Lee Am

Orthopedic Surgeon, Hospital Director, CHAM TNTN Hospital

What is the safest way for growing children to ride in a car?

For safety, we certainly need to use car seats for children. It is important that children stretch their legs from time to time to avoid overtaxing their legs. It's strongly recommended to have a footplate to rest their legs on. This will lead to safe and comfortable riding experience which will prevent possible negative impact from gravity on children's legs.



SCAN!

Interview Video with
Orthopedic Surgeon

When children are in car seat, their legs do not reach the bottom of vehicle which causes the impact of gravity to have the following negative impact.

- 1 Continuous stress may cause knee pain and deformation.
- 2 Damaging knees where the growth plate is densely located may disrupt normal growth.
- 3 Dangling legs may cause blood circulation problems and leg numbness.
- 4 Children's body slides forward which increases pressure from the seat belt.
- 5 Children's legs not reaching the floor can create sense of insecurity.

The car seat footrest is necessary for children who :

- 1 Kick the front seat
- 2 Sit with their legs crossed
- 3 Put their legs on the armrest
- 4 Cry and throw a tantrum
- 5 Say their legs hurt



#1 Brand in Car Seat Footrest



Using Infant Car Seat



Using Booster Car Seat



Passed the crash test that applied FMVSS No.213
'Child Restraint System' test by NHTSA in USA

- FMVSS : Federal Motor Vehicle Safety Standard
- NHTSA : National Highway Traffic Safety Administration



SCAN!
Crash Test Video

KneeGuardKids 4



About the Product

HS Code	940190 (Parts for Seat)
Recommended Age	9 years and under (Less Than 30kg)
Materials	ABS, PC, PP
Color	Gray(body)+Orange(point)
Dimensions	Footplate 380 X 195 X 37 (mm)
Package Dimensions	395 X 220 X 110 (mm) / 1.9kg (1pc)
Carton Dimensions	510 X 410 X 460(mm) / 20kg (10pcs)
Country of Origin	Made in China (Created & Designed in South Korea)

Kids footrest for car seat (Car Seat Footrest)
4th Version (Released in January, 2022)

Features

- Compatible with any car seat except car seat with load(support) leg
- The height of the Footplate is adjustable (by 0.7cm, maximum 54cm)
- The angle of the Footplate is adjustable (by 15°, maximum 135°)
- The load(support) leg is adopted to increase durability and stability.

Certification / Standards :

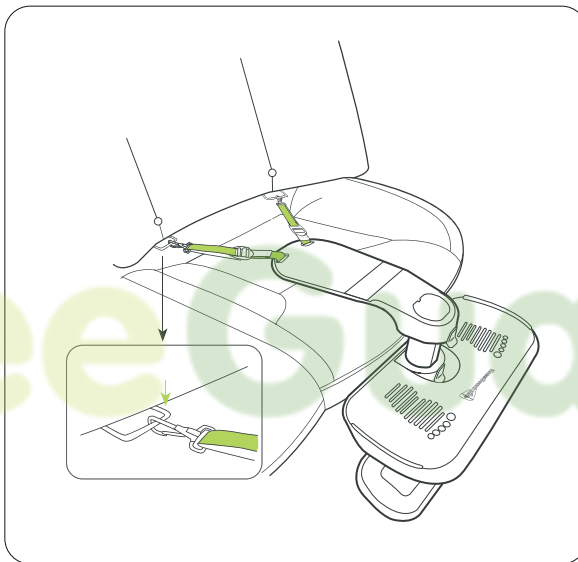
- Passed CPSC C1001, E1001, E1002 in USA
- Passed Korea Certification for Supplier's Declaration of Conformity

Safety Features

- Provide secure connection with LATCH
- Covered up to USD 1,000,000 by Product Liability Insurance
- There are no safety standards by NHTSA regarding footrest. Therefore, a tailored test applying FMVSS No.213 'Child Restraint System' standards for car seats was performed, and KneeGuardKids4 passed the safety standards.
- FMVSS : Federal Motor Vehicle Safety Standard
- NHTSA : National Highway Traffic Safety Administration



Features



Provide secure connection with LATCH.

LATCH meets the international standard for attachment points for kid's safety seats in vehicles and will not become loose when car accident occurs.



Easy and simple use

The height and angle of the Footplate is adjustable with one touch system.



Recommended Age: 9 years and under

Infants can also use this product since the Footplate can be located higher than the seat of vehicle.



Load(support) Leg

The Load Leg that reaches the floor of vehicle enables weight dispersion, making it more safe and stable.

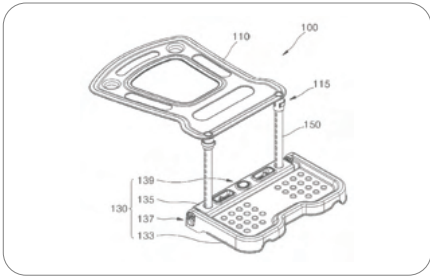
Intellectual Property

KneeGuardKids is strictly protected by intellectual property rights in several countries.

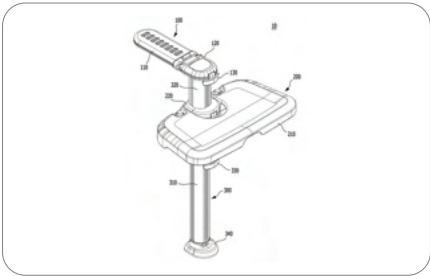
P PATENT **D** DESIGN **T** TRADEMARK

KOREA	USA	EUROPE	CHINA	JAPAN	CANADA
P 101399896	P 9089219	P EP3064396	P ZL201410602679.1	P 6023390	P 2927715
P 101698730	P 10286827	P EP3315357	P ZL201610439181.7	D 1586524	D 172968
P 101664311	D D743725	D DM094541	D ZL201630563443.1	T 5976687	T 1000461
D 300726469	D D817055	T 015823727	T 15919071		
D 300896281	D D8187				
D 3020210034457	T 4789479				
T 401043969	INDIA	RUSSIA	TAIWAN	BRAZIL	AUSTRALIA
T 401235560	T 291025	P 2712398	D D189407	D BR302017000681-7	P 2014340935
			T 1892383	T 913425168	D 201710899
					T 1800060

PATENT



PATENT 1
Multiple height adjustment technology of the Foot Plate and the Height Control Bar
The Height Control Bar as well as the Footplate can be adjusted up and down. Therefore infants (with short legs) can also use this product.



KneeGuardKids 3



SCAN!
Instruction
Video



SCAN!
Crash Test
Video

Features

- Compatible with any car seat
- The height of the Footplate is adjustable (by 0.7cm, maximum 38cm)
- The angle of the Footplate is adjustable (by 20°, maximum 140°)
- The load(support) leg is adopted to increase durability and stability.

Certification / Standards

- Passed CPSC C1001, E1002 in USA
- Passed ASTM F963 in USA
- Passed CE in EU
- Passed Korea Certification for Supplier's Declaration of Conformity

About the Product

HS Code	940190 (Parts for Seat)
Recommended Age	9 years and under (Less Than 30kg)
Materials	ABS, PC, PP
Color	Gray
Dimensions	Footplate 364 X 215 X 42 (mm)
Package Dimensions	395 X 235 X 105 (mm) / 1.5kg (1pc)
Carton Dimensions	510 X 410 X 460(mm) / 16kg (10pcs)
Country of Origin	Made in China (Created & Designed in South Korea)

Kids footrest for car seat (Car Seat Footrest)
3rd Version (Released in March, 2017)

Safety Features

- Provide secure connection with LATCH
- Covered up to USD 1,000,000 by Product Liability Insurance
- There are no safety standards by NHTSA regarding footrest. Therefore, a tailored test applying FMVSS No.213 'Child Restraint System' standards for car seats was performed, and KneeGuardKids3 passed the safety standards.
- FMVSS : Federal Motor Vehicle Safety Standard
- NHTSA : National Highway Traffic Safety Administration



Using Infant Car Seat



Using Booster Car Seat

Customer Reviews of Amazon.com site



SCAN!

More Reviews

Customer reviews

★★★★☆ 4.4 out of 5

2,204 global ratings



 Samantha Martinez

★★★★★ **They're great for traveling either short distance or cross country**
Reviewed in the United States on August 12, 2021

We bought these for our grandkids ages 4&6 and my six year old is autistic and he's always complaining about leg pain so this is one of the reasons I purchased these ... best decision we made. We went on a long trip across a couple of states and he didn't complain he was actually saying his legs felt rested and enjoyed the trip. The hook is a little hard to fit in or remove but it's so worth the time and sweat. Easy and adjustable when getting my boys in and out of the car and instructions are so easy. Wish I would've known about this product for my own children. Love love it!

 Samantha Martinez

★★★★★ **They're great for traveling either short distance or cross country**
Reviewed in the United States on August 12, 2021

We bought these for our grandkids ages 4&6 and my six year old is autistic and he's always complaining about leg pain so this is one of the reasons I purchased these ... best decision we made. We went on a long trip across a couple of states and he didn't complain he was actually saying his legs felt rested and enjoyed the trip. The hook is a little hard to fit in or remove but it's so worth the time and sweat. Easy and adjustable when getting my boys in and out of the car and instructions are so easy. Wish I would've known about this product for my own children. Love love it!

 MrsZat

★★★★★ **Made a world of a difference!!!**
Reviewed in the United States on July 17, 2021

My 2 year old hates her car seat so any long road trips are miserably for all involved, and we take quite a few every year... I bought this in hopes it would help her feel more comfortable and less fussy...it worked even better then expected, we went on a 14 hour road trip and this thing was magic, makes sense that the reason she was so fussy was because she was uncomfortable, why hasn't anyone else thought of this before?! I would have had one for all 4 of my kids.

 Debbie H.

★★★★★ **Just get it!**
Reviewed in the United States on June 6, 2021

A must buy for anyone with a kiddo who likes to kick your seat or put their feet on the top of your seat. This platform gave my son a place to put his feet and also gives him a boost to get up into his booster seat. The item might be a bit expensive but it's worth every penny.

 M_Minski

★★★★★ **Every Car Seat Needs This!**
Reviewed in the United States on March 2, 2021

Had this for over a year. My child is tall, and at 3 years old she was already showing signs of varicose veins behind her legs, because her car seat was cutting off the circulation in her feet as they dangled. This product had truly been a life saver for her health, posture, and comfort.

 Kalina

★★★★★ **My kid says "mom I love my foot rest"**
Reviewed in the United States on February 21, 2021

I wish I had come across this footrest when my kid was younger but is never late. He is a big kid, already 49" tall, since we started taking 40 min. drives to school, I wanted to make him as comfortable as possible, before he used to put his foot at the center console of the car all the time, and now he can comfortably rest his feet during our drives. I thought first the plastic construction was not going to last but is holding on pretty well so far.

AWARDS



**Parent & Baby
Awards**
in UK



**National Parenting
Product Awards**
in USA



**Korea Brand
Preference Awards**
in South Korea



Amazon's **Choice** for "car seat foot rest for kids"

Potential Market Size of Car Seat Footrest

Country	Population	Car Seat Use Rates	Market Ratio	Sales Qty /Month	Potential Qty/Month
Korea	51,269,185	42%	1.00	3,000 pcs	
USA	331,002,651	89%	13.68		41,043 pcs
Germany	83,783,942	97%	3.77		11,323 pcs
UK	67,886,011	95%	3.00		8,985 pcs
France	65,273,511	88%	2.67		8,003 pcs
Spain	46,754,778	88%	1.91		5,732 pcs
Italy	60,461,826	38%	1.07		3,201 pcs
Russia	145,934,462	49%	3.32		9,963 pcs
Canada	37,742,154	91%	1.60		4,785 pcs
Australia	25,499,844	96%	1.14		3,411 pcs
Japan	126,476,461	64%	3.76		11,277 pcs
Brazil	212,559,417	57%	5.63		16,880 pcs

References

- Global status report on road safety 2018 (<https://www.who.int/publications/i/item/9789241565684>)
- Countries in the world by population 2021 (<https://www.worldometers.info/world-population/population-by-country>)

About the Company

inGarden Corporation

A company solely dedicated to car seat footrest research and development

Car seat footrest, designed to be used in vehicles, puts safety as its top priority. Thus, prior understanding of car seats, form and structure of vehicle seats, and physical characteristics of infant/children is essential.

Founder of inGarden Corporation is a father of two lovely girls. He puts safety first and takes extra caution in the function, design, material, and anything else he can think of to make the car seat that will give the best riding experience to his daughters.

inGarden Corporation is the first to commercialize the patent for car seat footrest. KneeGuardKids will benefit children's knee health and make their car seat experience more comfortable, resulting in higher use of car seats and prevention of child casualties from car accidents.



The founder of inGarden Corporation and his beloved two daughters



inGarden Corporation is participating in KIDS EXPO around the world to introduce KneeGuardKids to overseas customers.

- ABC Kids EXPO in USA
- JPMA Baby Show in USA
- Kind & Jugend in Germany
- International Kid's Time in Poland
- CBME in China
- GIFT Show in Japan



KneeGuard Kids



#1 BRAND IN CAR SEAT FOOTREST



SCAN!
to Homepage

Copyright © inGarden Corporation. All rights reserved.



Website. <http://www.kneeguardkids.com>

Email. info@ingarden.net | **Tel.** +82-2-6049-4909 | **Fax.** +82-505-312-1234

Address. #520, Cheonggye Tower, 53, Seonggogae-ro, Uiwang-si, Gyeonggi-do, 16006, South Korea