

ANA and Toyota Boshoku Jointly Develop New Seats for Economy Class on Domestic Flights

The Toyota Group's Components Subsidiary Makes First Foray into Airline Seating

TOKYO, April 21, 2015 - All Nippon Airways Co., Ltd. (ANA), Japan's leading and only 5-star airline, and Toyota Boshoku Corporation (Toyota Boshoku) have teamed up to develop new economy class seats in line with the airline's continued commitment to quality and comfort. The seats will appear on ANA's domestic service beginning June 2015, and the collaboration marks the first time for Toyota Boshoku to be involved in the development and manufacturing of aircraft seats.

The project brought together ANA's experience and expertise in the aviation sector, with Toyota Boshoku's high-quality craftsmanship and manufacturing capabilities, which have been refined over decades of experience providing seats for a variety of Toyota's automobile lines. The result is a passenger aircraft seat that will leave customers a lasting impression of ANA's commitment to quality, value and comfort.

The new seats will be introduced on domestic flights this summer, and by fiscal 2016, ANA plans to have installed a total of 1,560 seats across six Boeing 767-300 aircraft. This is in line with the airline's recent initiative to provide more comfortable seating in economy class.

New Seat Specifications (B767-300):

- Seat width: 17.5 inches (44.45 cm)
- Seat pitch: 31 inches (78.74 cm)
- Abreast: 7 (2-3-2)



Design Characteristics:

The new seat was ergonomically developed for comfort across a wide range of body sizes and types, based on Toyota Boshoku's experience designing seats for customers around the world, which included compact, luxury and racing cars.

(1) Devotion to comfort

- Based on the idea that support is key to a passenger's comfort, the seat is structured to limit muscle fatigue around the hip and maintain a relaxing posture by firmly supporting the pelvis (Figure 1).
- The height, length and angle of the seat and backrest were designed to evenly distribute pressure on the body and accommodate any body structure.

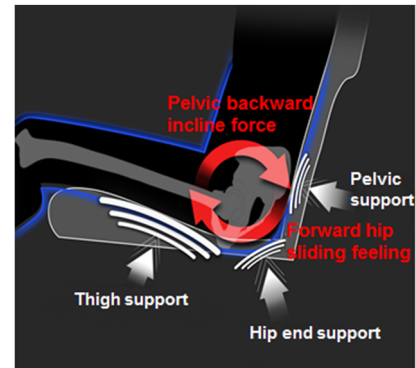


Figure 1: Concept of pelvic support

(2) Maximum user-friendliness

- The design and position of the tray tables and armrests were achieved through a range of tests accounting for multiple angles to determine ideal height and natural contour to accommodate for a variety of body types (Figure 2).

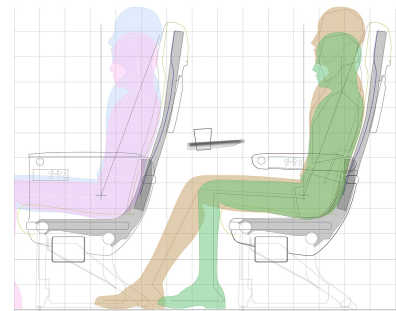


Figure 2: Comfortable layout for everyone

(3) Creating a sense of space

- The rounded edges of the headrest provide a sense of openness that widens the passenger's field of view.
- Fabric is used at the passenger eye-level to contribute a soft and welcoming atmosphere.

The style designed by human focus

"Comfort" by the sense of vision and touch

Rounded shape and Soft material



About ANA

All Nippon Airways (ANA) is the 13th largest airline in the world by revenues (2013) and the largest airline in Japan by revenues and passenger numbers. Founded in 1952, ANA flies today on 72 international routes and 113 domestic routes with a fleet of about 240 aircraft. ANA Group has 33,000 employees. In 2013, it carried 46 million passengers and generated revenues of 1.6 trillion Japanese yen. ANA has been a member of Star Alliance since 1999 and has joint-ventures with United Airlines on trans-Pacific and Asia routes and with Lufthansa, Swiss International Airlines and Austrian Airlines on Japan-Europe routes. Its Frequent Flyer Program, ANA Mileage Club, has more than 26 million members. ANA was voted Airline of the Year for 2013 by Air Transport World Magazine, and in 2015 was awarded five stars for the third consecutive year by the world's leading Airline and Airport review site, SKYTRAX. ANA is the launch customer and biggest operator of the Boeing 787 Dreamliner.

About Toyota Boshoku

Toyota Boshoku Corporation (Tokyo:3116), is a system supplier committed to the total creation and coordination of automobile interior and a manufacturer specializing in filters, that develops and manufacture interior components, filtration and power train components under an aim to propose excellent mobility that inspire customers the world over.

As a professional seat maker, Toyota Boshoku meticulously pursues ride quality, comfort and safety in order to develop seats that elicit the maximum potential of each car including compact cars, luxury cars and sports cars. Toyota Boshoku manufactures seats for approximately 7,000,000 cars per year and delivers to car makers.

In recent years, Toyota Boshoku also develops and produces the seats for railway vehicles, utilizing its technical development capability fostered in automobile field.

Company Profile:

Name	TOYOTA BOSHOKU CORPORATION
Business operations	1.Development of automotive interior systems; and manufacture and sale of automotive interior products 2.Manufacture and sale of automotive filters and powertrain components 3.Manufacture and sale of other automotive components 4.Production and sale of fabric goods
Representatives	Shuhei Toyoda, President
Founded	1918
Established	1950
Global Mainstay Hub	1-1 Toyoda-cho, Kariya-city, Aichi-pref. , Japan
Capital	8.4 billion yen
Net sales	1,218.3 billion yen (consolidated) as of ending March 2014
Number of employees	38,198 (consolidated) as of ending March 2014
Group companies	Toyota Boshoku group has over 100 bases in 27 countries around the world, and divides its bases into 5 regions of the world, specifically The Americas, Asia & Oceania, China, Europe & Africal and Japan to enhance global operation.