



Mitsubishi Aircraft News No. 23

Mitsubishi Aircraft Receives MRJ Landing Gear for Function Test

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Mitsubishi Aircraft Corporation has received the landing gear from Sumitomo Precision Products Co. Ltd. for use at the MRJ (Mitsubishi Regional Jet) in-house function test.

The landing gear consists of components such as shock strut, tire assembly and braking system. It functions to absorb the impact to the aircraft during takeoff, landing, and taxiing. Sumitomo Precision Products delivered this first landing gear after design and manufacturing phases following the engineering specifications issued by Mitsubishi Aircraft.

This landing gear will be loaded on the iron bird (hydraulic and flight control system rig); the function test will be conducted at the test facility within Oye Plant of Mitsubishi Heavy Industries Ltd. located in Nagoya. During the function test, basic mechanical movements and interfaces with electronic signals will be confirmed repeatedly to verify the durability of the landing gear.

The landing gear will not be used for the flight test aircraft and is for in-house testing. However, Mitsubishi Aircraft will be able to conduct advanced stages of tests on the iron bird preparing for the first flight. The delivery of this landing gear and related systems required both large-scale and highly precise, complex manufacturing procedures, the achievement of which is testimony to the steady progress of the MRJ program. Mitsubishi Aircraft will continue making every effort, together with its partners to complete the test aircraft and conduct the first flight.

(* The iron bird is a system aircraft framework composed by steel materials which consists of flight deck, hydraulic and flight control equipment, and simulation computers creating the all of flight environment.)



MRJ main landing gear (for function test)

MRJ

Mitsubishi Regional Jet is a family of 70~90-seat next-generation aircraft featuring state-of-the-art aerodynamics and Pratt & Whitney's revolutionary PurePower® engine to drastically reduce fuel consumption, noise, and emissions, while offering top-class operational benefits, an outstanding cabin and large overhead bins designed for heightened passenger flying comfort.