

LORD Auxiliary Power Unit Mounting System

For Aerospace and Defense Applications

LORD Auxiliary Power Unit (APU) Mounting Systems support an aircraft's APU. An APU is an auxiliary generator that powers aircraft systems when grounded, enabling operators to avoid running the main engines at the gate. As with any mechanical system, an APU introduces noise into the aircraft, and LORD Corporation's APU Mounting System helps ensure passenger comfort by greatly reducing the noise and vibration transferred into the cabin.

OEMs are developing aircraft with ambitious design goals. These design goals include more stringent isolation performance, better noise abatement, significant cost reduction, reduced weight, longer life, reduced direct operating costs and fewer components. To meet these new standards, LORD has designed and qualified an APU Mount System that offers significant weight reductions and great vibration attenuation at a competitive cost.

Features & Benefits

Reduced Weight - Enables a 15-40% reduction in weight and a 30-40% reduction in part count through rod end isolator design when compared to canister style systems

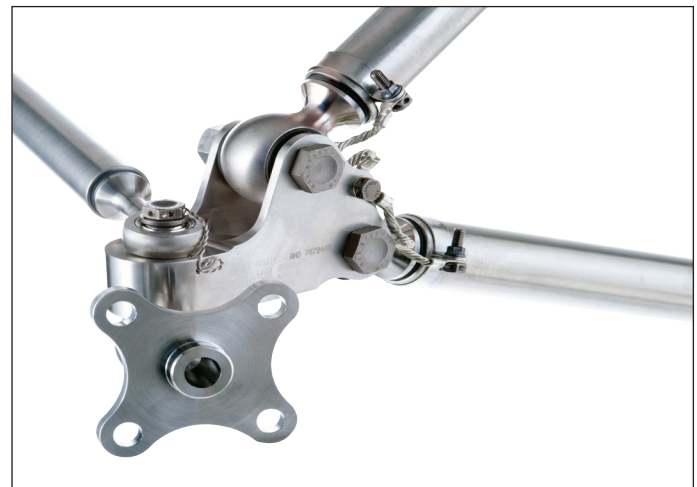
Long Life Cycle with Easy Maintenance - Retains the APU on the aircraft with fireproof CRES structure

Easy Installation - Allows for easy installation and removal of APU

Interior Noise Isolation - Maintains superior noise and vibration isolation performance that ensures passenger comfort



Elastomeric Rod End



APU Mount Attachment

Better Performance - Allows for for thermal growth of the APU system installation and protects the APU and the airframe/tail cone from cyclic loading

LORD PRODUCT INFORMATION

Applications

Below is an overview of aircraft mounting applications where our components and systems are used.

Airbus	A300B	Cessna	Citation X	Embraer	EMB-120
	A340-500/600		580		EMB-135/145
BAE	748ATP	Convair	600		Legacy
Boeing	727			990	Fokker
	737	Dassault	50	Gulfstream	GV
	747		90 & 900EX	Lockheed	C5
	787		2000 / 2000EX	Mitsubishi	MRJ
	7X		Saab	2000	
Bombardier	Lear Star 600	Douglas	DC-6		
	CRJ 100 / 200				
	CRJ 700 / 900				
	Challenger 300 / 604				

Note: Various aircraft have a wide range of APU sizes and weights, each with unique isolation systems.

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LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. Our people work in collaboration with our customers to help them increase the value of their products. Innovative and responsive in an ever-changing marketplace, we are focused on providing solutions for our customers worldwide ... Ask Us How.

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