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EXOTIC

AUTOMATION & SUPPLY

Industrial Gas Springs for Futuristic Concept SUV

Problem

An automotive engineering firm was tasked to redesign an SUV into a futuristic concept for the annual automotive show. Gull wing doors were part of the concept which required 2 gas springs as a lift assist on each door.

At the time, the "concept" was still changing so the weight, COG and pivot points of the doors were not final. The vehicle had to ship in 3 weeks, so an immediate solution was necessary.

Exotic Automation, ACE's Southeast Michigan distributor brought the application parameters to ACE's Application Engineers.

Solution

ACE supplied 4 springs charged to maximum pressure and a DE-GAS tool. Once the design was final, the client vented down the nitrogen until the optimum force was achieved. The next morning at 7:00 AM, the client knocked on the door of ACE and asked for a force measurement of all four springs so that he would know what pressure to specify for future orders. On with the show!

Featured Products

Industrial Gas Spring (Push Type) – Available with body diameters of 0.31" to 2.76" (8 to 70 mm) and forces from 2 to 2,925 lbs. (10 to 13,000 N), ACE push type gas springs offer a huge variety and maximum service life. The first is achieved thanks to the number of available connections and fittings for simple attachment and the latter with high quality design and materials.



Success Factors

The expert product knowledge from ACE's Application Engineers allowed Exotic to quickly offer the customer a solution.

Customer Value

The quick service provided by ACE and Exotic ensured the customer was able to meet their short deadline of 3 weeks.

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