

# MD80 Damper Repair and Overhaul



Derco Repair's damper services keep you in control.

P/N 5765017-501 & 503 (rudder damper)

P/N 5918125-501 (aileron and elevator damper)

Derco Repair Services, Inc. is capable of high-volume test, repair and overhaul of DC9/MD80 dampers and maintains multiple exchanges on the shelf, so AOG requirements ship immediately. Call on Derco Repair to efficiently repair or exchange your fleet's dampers to ensure flight safety and airworthiness.

Derco Repair can also perform the work required for compliance with Service Bulletin (S/B) DC9-27-348. Boeing recommends this S/B be complied with to prevent possible rudder failure. Upon completion of this S/B, P/N5765017-501 is upgraded to P/N 5765017-503. This compliance is inexpensive and can be completed during the course of normal damper repair and overhaul.

Dampers serve an important role in flight: They diminish the amount and severity of vibration transmitted from a flight control surface (such as a rudder or aileron) to the pilot's controls. The DC9 and MD80 have two rudder dampers, two aileron dampers,

and two elevator dampers. These silicon-filled, multi-plated components are mounted between the flight control surface and the airframe. It is imperative they be kept in good working order. While dampers have a long operational life, they must be periodically inspected and maintained.

What will Derco Repair do with the damper?

The old silicon fluid is drained from the damper. The used fluid is occasionally contaminated with metal particles from normal wear. Rotors and stators are examined and replaced as necessary. The dampers are also checked for flatness and new parts are match drilled as necessary. The dampers are reassembled with new silicone fluid and tested to latest CMM standards.

For more information about MD80 damper repair and other services, contact Repair Sales:  
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**Derco Repair Services Inc.**

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