

Nose Gear Shock Strut Rod End Problems

Carl Denk (OH) - While landing in my Cosy Classic, the forward nose gear shock strut rod end broke, causing a brief slide on the nose. Airframe damage was minimal as the nose tire turned sideways and wedged across the wheel well. The sliding tire side wall took most of the abrasion before it blew out.

I recommend all nose gear shock strut rod ends, especially the ones operated on the 3 and 4 place heavier nose weight airplanes, be replaced with high strength, magnafluxed Spherco p/n ARE-6, or equivalent. The original drawings, and what Brock furnished were Aurora p/n MM-6. The original and new specifications follow:

Mfg.	p/n	body material	magnafluxed	yield strength (psi)	max radial load (lbs)	cost
Aurora	MM-6	low carbon steel	no	52,000	3172	\$26.39
Spherco	ARE-6	4130 steel	yes	140,000	9589	\$ 6.12

EZ Parts For Sale

(all prices include shipping)

2 - Brock AX5A axles with 4 back up rings, new all \$40.

2 - gas springs 12" open, 8.5" closed, 90 lbs., new both \$20

1 - Astrotech LC-2 chronograph used 100 hours. Excellent \$50

2 - Cleveland 5.00 x 5 hub caps both \$5

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