

Southern States EV2 Switch Bearing

Replacement, Refurbished & Upgraded

FEATURED CASE STUDY
EV2 Bearing Refurbishment
& Upgrade



The original aluminum-against-steel EV2 bearing corrodes and seizes in Florida's humidity.

We rebuild it in-house: 316 stainless shaft, sealed stainless ball bearings, machined brass lock nut, and Viton O-ring seals in place of the original felt gasket. The rebuild eliminates all three original failure mechanisms, galvanic corrosion at the lock nut, moisture ingress into an open bearing, and a felt seal that wicks water instead of blocking it, and outlasts the original design in service.

SPECIFICATIONS

SHAFT	316 stainless steel, dimensionally matched to OEM EV2 bearing bore
BEARINGS	Sealed stainless ball bearings; full stainless option on enhanced upgrade
LOCK NUT	Machined brass, replaces original aluminum (galvanic corrosion point)
SEAL	Viton O-ring, replaces original oil-impregnated felt gasket
ENHANCED OPTION	Aluminum rain shield, Mobil XHP222 grease fill, zerk fitting for field lubrication
HOUSING	Original cast housing reused when serviceable
DIMENSIONS, WEIGHT, TORQUE	Available on request, dimensional match to OEM assembly
DOCUMENTATION	Material certification available on request
LEAD TIME	Standard 5-10 business days; rush 2-4 days
AVAILABILITY	New or remanufactured, built to order

FAILURE MODES ADDRESSED

Galvanic corrosion

Aluminum lock nut against steel shaft, replaced with machined brass

Moisture ingress

Open-race bearing replaced with a sealed unit

Felt seal failure

Dry felt wicks water onto the bearing; replaced with a Viton O-ring

CREDENTIALS & COMPLIANCE

Made in USA

BAA Compliant

Material Cert. on Request

855 Virginia Ave, Palm Harbor, FL 34683 (727) 789-0951 info@southernswitch.com southernswitch.com

3

FAILURE MODES ELIMINATED

316

STAINLESS STEEL GRADE

Sealed

BEARING TYPE

USA

MADE IN PALM HARBOR, FL