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# UPTIME STARTS WITH MOOG

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## MOOG INDUSTRIAL SERVICES

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Servo and Proportional Valve Maintenance & Repair



MOOG

# TURN TO MOOG FOR WORLD-CLASS REPAIR

Moog Servo and Proportional Valves are critical motion control components used in highly dynamic and precise machine applications.

Moog Industrial Services provides the original equipment expertise you can count on to maximize your uptime and deliver higher productivity across your operations.

Only Moog offers authentic replacement parts for like-new performance while providing consistent repair quality anywhere in the world. All with quick response and service programs tailored to your specific needs.

## LIKE-NEW SERVO VALVE PERFORMANCE

We don't sell Moog parts to non-authorized repair suppliers. We are, in fact, the only service provider who replaces used and defective parts with new, authentic Moog parts. Often, we update older components to the latest configuration, so your repaired Moog Servo or Proportional Valve often performs better than when it was new.

## HIGH QUALITY REPAIRS

Our local teams are fully supported by factory experts to offer world-class servo valve repair quality and express service options. You're assured of clear repair documentation that states exactly what the performance issue is, what components are being repaired, and how functionality has been restored—all on your schedule. Certifications in accordance with ATEX, CSA and FM standards allow Moog to repair intrinsically safe and explosion-proof hardware.

## TECHNICAL SUPPORT & EXPERTISE

We are committed to helping you reduce the cost of your Moog Servo and Proportional Valve maintenance. We understand your applications and know exactly what it takes to ensure reliability and performance. What's more, our experts regularly share motion control knowledge and technical insights with your team, so you'll always be on top of your machine repairs.

## EXCELLENT SERVICE VALUE

Moog Industrial Services delivers prompt, responsive support that meets your unique needs. We're always ready to tailor a solution just for you—from delivery of spare valves to valve exchange or preventative maintenance programs. When necessary, on-site Moog services deliver our expertise to you—for quick and convenient commissioning, set-up and diagnostics.

## OTHER VALUE-ADDED SERVICES

Moog offers a variety of O&M services including professional field service and hands-on training. 24/7 technical support and preventative maintenance programs are available with yearly contracts for customers wanting to extend the life of critical equipment and ensure maintenance is always available.

## ADVANTAGES OF MOOG INDUSTRIAL SERVICES

- Valves are restored to like-new condition
- Only original Moog spare parts are used
- Repaired valve covered by warranty
- Express service on request
- Annual contracts available
- Preferred pricing on new Moog valves if yours cannot be repaired



# THREE FACTS ABOUT SERVO VALVE PERFORMANCE

**FACT 1:** Servo valves are critical to your machine's productivity.

**FACT 2:** Keeping servo valves in top condition is key to uptime.

**FACT 3:** Only authorized Moog repair professionals have the parts, tools and training to maximize Moog Servo Valve efficiency.

## WHAT MAKES MOOG SERVO VALVES SPECIAL?



### 17 CERTIFICATIONS

for servo valves used in potentially hazardous environments



### 30 COMPONENTS

specifically designed for use in a Moog Servo Valve



### .001 MM (.000050 IN) TOLERANCE

Clearances required to manufacture a Moog MFB Servo Valve as compared to .01 mm (.00050 in) used by others



### ONE BILLION CYCLES

is the typical life span of a Moog Servo Valve in the field



### RANGE OF 3-25 MILLISECONDS

step response from 0 to 100% operation

## WHY TRUST MOOG FOR ALL REPAIRS?



### 100 MOOG ENGINEERS

employed in servo valve design and repair



### ONE MILLION+

new Moog Servo Valves installed since 2004



### 20,000

Moog Servo Valve models created since 1950

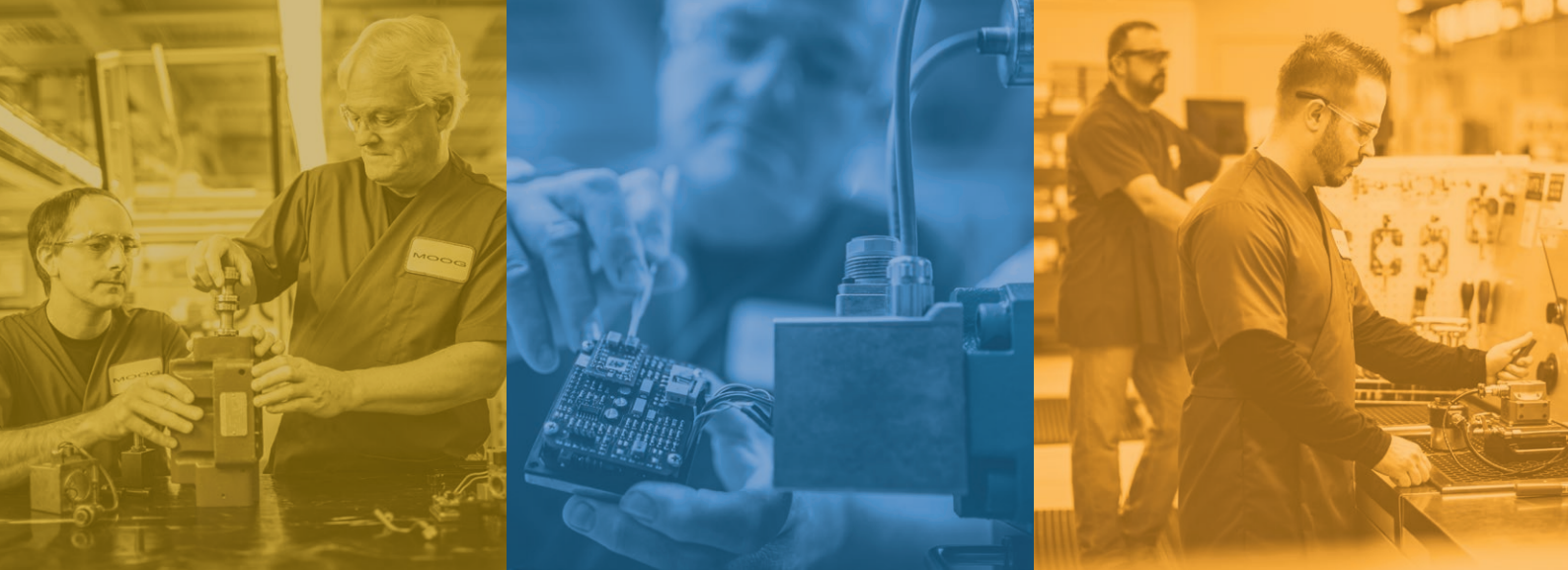


### 24,000

like-new servo valve repairs completed in 2014

## HOW MOOG ENSURES REPAIRS ARE DONE RIGHT

Moog follows an **8-STEP PROCESS** to repair valves to like new condition.



## RESPONSIVE MOOG SERVICE IS ALWAYS NEARBY

Since inventing the first commercially-viable servo valve more than 60 years ago, Moog has built a reputation for engineering world-class motion control products. Moog Industrial Services reflect this commitment to quality in every repair we make for products beyond servo valves. These include actuators, servo motors, radial piston pumps, servo drives, controllers and more.

This level of service and support extends to our global network of Moog Authorized Distributors.

When you work with Moog or a Moog Authorized Distributor, you'll find a dedicated approach to solving your problems, addressing your machine challenges and helping you achieve maximum productivity on

a daily basis. From repairs and technical assistance to oil analysis, maintenance contracts and other value-added services, you can rely on Moog or your local Moog Authorized Distributor to keep your machines working at peak efficiency.

### REPAIR WARRANTY

What's more, Moog Servo Valve repairs provided through Moog include a one-year warranty. Beyond our standard services, in the United Kingdom we also offer Oil Analysis, Installed Base Evaluations at the customer's premises and Express Priority Service. Our Service Live program invites customers to see actual repair service performed at our facility.

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Moog Servo Valve Repair Brochure  
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