MSB
Air Spring



MSB | NORTH AMERICA

Why MSB Air Spring?

At MSB Premium Parts, we focus on what matters most in today's aftermarket: speed, flexibility, and reliable supply.
Our production and supply chain structure is designed to respond quickly to changing market demands, ensuring our partners always have the right products at the right time.
With a fully controlled manufacturing process and optimized production planning, we deliver:

- Fast lead times
- Flexible production capabilities
- Consistent product availability

Our operational approach allows us to adapt quickly to customer requirements – from standard high-volume orders to customized solutions.



Agile Production Planning

Dynamic scheduling system ensuring rapid response to demand changes



Flexible Manufacturing

Scalable production lines for both high-volume and tailored orders



Supply Chain Efficiency

Optimized sourcing and inventory management for uninterrupted supply



Quality-Controlled Production

100% tested products with stable and repeatable

Engineered to OEM Standards Proven in Real Conditions

At MSB Premium Parts, quality is not just a control step—it is a fully integrated system that governs every stage of production, from raw material selection to final product validation.
Our air springs are manufactured using OEM-grade materials, advanced automation, and strict process control, ensuring consistent performance, durability, and safety in the most demanding heavy-duty applications.

Integrated Quality Approach

MSB operates with a fully controlled manufacturing structure, where every process is monitored, tested, and continuously improved.

- End-to-end production control
- Standardized processes aligned with automotive quality systems
- Full traceability from raw material to finished product
- Continuous improvement through data-driven production monitoring

100% Tested Zero Compromise

Every MSB air spring undergoes strict validation before release:

- 100% Air Leakage Testing on all finished products
- Pressure testing up to 14.5 bar with zero leakage
- Cycle life testing exceeding 3.1 million cycles
- Final inspection according to automotive quality standards

This ensures that each product delivered performs reliably in real operating conditions.

Material & Component Excellence

We use only carefully selected, high-performance materials to guarantee long service life:

- OEM-grade rubber compounds developed and tested in-house
- High-strength Nylon 66 cord fabric for maximum durability
- PA66 GF35 reinforced pistons with resistance up to 196,000 N
- Certified steel materials compliant with EN standards

All materials are validated through mechanical, chemical, and performance testing



Superior Corrosion Protection

MSB air springs are designed to withstand harsh environments:

- 480-hour salt spray resistance (OEM level)
- Controlled zinc coating thickness (8–30 μm)
- Advanced surface treatment and electrostatic painting

This ensures long-term durability, even under extreme weather and road conditions.

Beyond Laboratory Testing

Unlike many aftermarket suppliers, MSB goes further:

Our products are tested not only in laboratory conditions but also under real road environments through our service network.
This approach allows us to validate performance where it matters most—on the road.

Consistent Quality Global Reliability

With exports to over 30 countries and growing presence in global markets, MSB Premium Parts delivers:

- Reliable product performance
- Stable supply and consistent quality
- Competitive solutions aligned with OEM expectations



The MSB Air Springs Difference

Feature	MSB Automotive	Typical Aftermarket Competitor
Rubber Compound	OEM-grade rubber with high elasticity and durability	Lower elasticity and lower durability
Temperature Resistance	-50°C to +80°C	Typically -30°C to +80°C
Abrasion Resistance	High resistance	Low resistance
Tensile Strength	High	Low
Elasticity	High	Medium
Ageing Resistance	High	Low
Impermeability	High air retention performance	Lower air sealing performance
Burst Pressure	Up to 25 bar	Around 21 bar
Cord Fabric	High-grade Nylon 66	Standard fabric (Polyester)
Testing	MSB air springs are tested under real road operating conditions in our service stations prior to market release, providing validation that goes beyond conventional laboratory testing.	Limited lab testing
Corrosion Protection	480-hour salt spray corrosion protection	Lower corrosion resistance

Design & Engineering

Advanced air spring design developed with OEM-aligned materials and supported by modern engineering tools to ensure durability and consistent performance in heavy-duty applications.

Testing Capabilities

- Laboratory testing: Dynamic & mechanical validation
- Final product testing: Leakage, pressure & durability
- Real road testing through MSB service stations across Turkey

Validation beyond standard laboratory conditions

Quality Production

Controlled production processes aligned with automotive standards, including full traceability, standardized procedures, and continuous monitoring to ensure consistent product quality.

OEM - Level Performance

Designed and manufactured to meet OEM specifications, ensuring fit, function, and long-term reliability comparable to original equipment.

Cost Effective Quality

Optimized production structure combining high quality with competitive pricing, offering strong value for aftermarket customers.

Rubber Technology

Controlled production processes aligned with automotive standards, including full traceability, standardized procedures, and continuous monitoring to ensure consistent product quality.

Corrosion Resistance

Top plates protected with 480-hour salt spray tested coating, ensuring long-term resistance against corrosion in harsh environments.

Extended Product Life

Advanced material selection and continuous improvement processes increase air spring lifecycle and reduce failure risks.

MSB Product Referances

MSB Reference	Firestone	Goodyear	Contitech
M1191PL	W013581191 ; W013589875	1R12432	910B195P889BK ; 910S18P1067BK ; 910B195P889 ; 910S18P1067
M2584PL		1R12584	
M6214AL			11105E16A214
M8468PL	W01M588468		
M8463PL	W01M588463		
S6897	W013586897	2B9229	FD20019505
S7897	W013587897	2B9495	FD20022524 ; FD20023A709
S8033	W013588033	3B12312	FT33029525 ; FT33029714 ; 67904
M8050ST	W013588050	1R14039 ; 1R14055 ; 1R14083	11105C16A320
M8091PL	W013588091	1R14171S	11105A16P523
M8497PL	W01W358497		9914P191
M8708PL	W013588708	1R13128 ; 1R13177	101016P526
M8709PL	W013588709 ; W014558742 ; W013588751	1R13159	1010515P460 ; 101015P453
M8713PL	W013588713	1R13140 ; 1R13176	101016P533
M8729PL	W013588729 ; W013588617	1R13130	10105C13P1226 ; 10105AV12P513
M8755ST	W013588755	1R13124	101015S522
M8774PL	W013588774	1R14172 ; 1R14190	11105F17P745 ; 11105F175P829
M8813PL	W013588813	1R121204	91014P577
M8829PL	W013588829	1R12405 ; 1R12615	91016P449 ; 910S17P1154BK ; 910S17P1154
M8852PL	W013588852	1R12568	91019P472
M8864PL	W013588864	1R121097	91019P898
M9026PL	W013589026	1R12567 ; 1R12907	91016P393
M9069PL	W013589069	1R12069 ; 1R12669 ; 1R12676	91014P312
M9082PL	W013589082	1R12092 ; 1R12509	91016P310 ; 4156NP14
M9121PL	W013589121	1R13039 ; 1R13043	1110517A317
M9122PL	W013589122 ; W013589152	1R14045	1110521A313
M9265ST	W013589265	1R12375	91019P435
M9270ST	W013589270	1R13119 ; 1R13077 ; 1R13102	910135S433
M9321AL	W013589321	1R12335	91021A361
M9367PL	W013589367	1R12256 ; 1R12283	91021P505
M9370PL	W013589370	1R12580 ; 1R12503	91021P448
M9373PL		1R12403 ; 1S12030	
M9375PL	W013589375	1R12404 ; 1S12031 ; 1R12488	910185P451BK ; 910185P451
M9394PL	W013589241 ; W013589394	1R12142 ; 1R12261 ; 1R12279	91019P358 ; 91019P383
M9422ST01	W013589422	1R11028	9912P314
M9422PL	W013589422	1R11028	9912P314
M9541PL	W013589541 ; W015449543		9910P861BK ; 9910P861
M9547PL	W013589547 ; W015449547	1R11268	999P859BK ; 999P859
M9580AL	W013589580	1R13118	101021P434
M9616PL	W013589616	1R11242	9912P515BK ; 9912P515
M9622PL	W013589622	1R11221	999P537BK ; 999P537
M9626PL	W013589626		9916P568
M9645PL	W013589645		910BP22P739
M9648PL	W013589648	1R12398 ; 1R12538	910185P456BK ; 910S16P1068BK
M9780PL	W013589780	1R12303	910S16P382
M9781AL	W013589781 ; W013778536	1R12603	910S16A382
M9807PL	W013589807	1R121047	910135P874
M9865ST	W013589865		910BS17P1192BK
M9974AL	W013589974	1R121048	910175A930 ; 910P185A888
M9978PL	W013589978	1R121179 ; 1R12668	91014P959


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