



LSR

BY AKTV8

INTELLIGENT LEAF SPRING REPLACEMENT

> LSR Leaf Spring Replacement

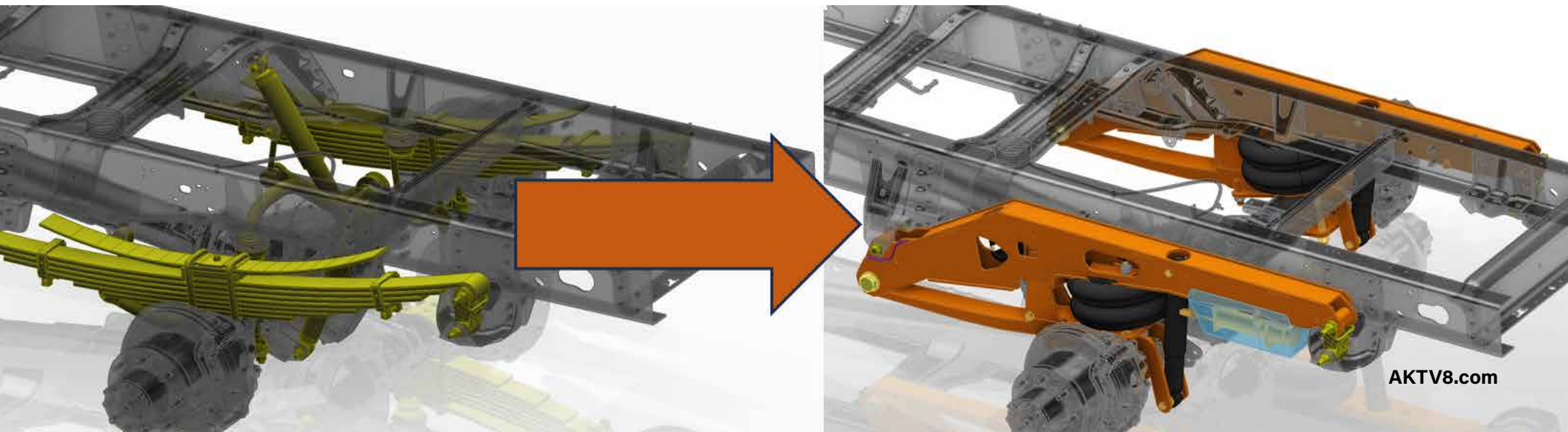
AKTV8's LSR (Leaf Spring Replacement) air suspension combines robust, proven heavy-truck hardware with intelligent control to deliver a superior suspension. LSR bolts into OE leaf spring hangers, sending suspension loads into the frame the way the OE design intended, with far less vehicle modification than competing systems.

Compared to high-pressure hydraulic suspension that requires extensive chassis modification, LSR operates at commercial vehicle DOT-standard pressures using heavy-duty air springs, dampers and spring beams already proven in the commercial truck market. Compared to previous generations of air suspension, AKTV8's intelligent electronic height control and compressor management minimize suspension adjustment and maximize compressor life while solving cold-temperature freeze up.

AKTV8's intelligent air control module delivers advanced height and compressor control, with cold-weather warming

that prevents freeze-up. More than 400,000 of these modules are already in service under trucks today. LSR also includes CAN J1939 and Bluetooth communication, integrating with Ford SYNC and multiplex head units like PRAN for easy-to-use control and diagnostics, with warnings that support preventive maintenance. A free mobile app gives technicians access to diagnostics, aiding troubleshooting and allowing over-the-air module updates. All AKTV8 products are developed to ISO 16750 heavy-truck standards with automotive best practices, delivering rugged, affordable, intelligent solutions built in the USA. AKTV8 is based outside of Detroit, ISO 9001-certified, with more than 20 years of experience developing and supplying medium-duty truck air suspension systems.

With AKTV8's patent-pending LSR, customers gain a smooth, comfortable ride with kneeling capability, a simple kit that's easy to service and a rugged, heavy-duty suspension built to outperform competitor products.



ADVANCED SUSPENSION Made Easy

> WHY LSR WINS

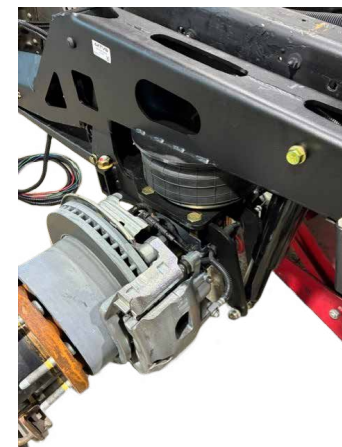
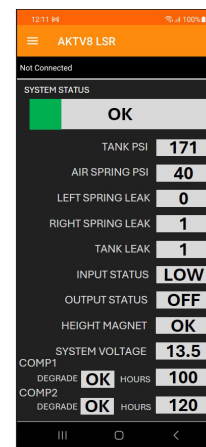
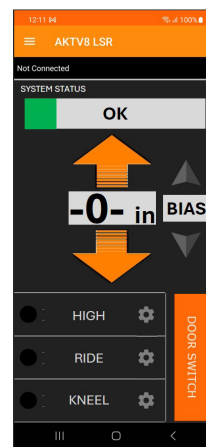
- Bolts directly into OE leaf spring hangers, sending suspension loads into the frame the way the OE intended, with far less vehicle modification than competing systems.
- Integrates with Ford SYNC and PRAN multiplex head units for easy-to-use control and diagnostics, with warnings that support preventive maintenance.
- Heavy-duty air springs, dampers and spring beams proven in the commercial truck market deliver a rugged, robust suspension.
- Intelligent air control module delivers advanced height and compressor control with cold-weather warming to prevent freeze-up — over 400,000 modules are already under trucks today.
- Side-to-side leveling.
- Ships as three pre-assembled, leak-tested and function-tested parts — a simple, easy-to-service kit with a mobile app diagnostic tool that lowers operating costs and delivers more uptime.
- Compared to Liquid Spring: LSR weights less, uses fewer parts, runs no oil, is easier to install and service, and is safer — no 3,000-psi hydraulics and an optional backup compressor for redundancy.

Suspension Corner Module



Powerpack Kit

Mobile App



CONTACT US TO LEARN MORE ABOUT LSR





LSR – Technical Specifications

Kit part number	003653	003654	003755
Application	GM 3500	Ford F450/550/600	Ford E450
Operating Temperature Range	-40°F to 185°F / -40°C to 85°C		
Operating Voltage	9- to 16-Volt DC		
Max Suspension Travel	7"		
Warranty	5 years Structural Parts		
	2 years/36K miles Wear and Electrical Parts		
	300 hours — Limited to Compressor		

AKTV8



INTELLIGENCE IN MOTION

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