



# iLift™ & MiLift BY AKTV8

INTELLIGENT LIFT AXLE CONTROL MODULE

# Automated Adjustment-free Lift Axle Operation

## > BENEFITS

### Maximize Load Efficiency

- Even axle load reduces overload risk up to 100%.
- Automatic proportional load control optimizes traction and stability in all conditions.
- Optional onboard scale – improves payload efficiency by 2-4% per trip.

### Achieve Regulatory Compliance

- Overload fines can reach \$1 per lb.
- Real-time overload alert prevents accidental overweight conditions.
- Optional onboard scale displays all axles, enabling nearly 100% reduction in accidental overweight violations.

### Improve Safety

- Automatic lift-axle deployment eliminates driver errors.
- Optimized drive axle loading improves traction by 3-5% in low friction conditions.
- Correct lift-axle loading prevents component failure and vehicle instability.

### Reduce Maintenance Costs

- Accurate lift-axle load pressure improves tire life on that axle by 20-40%.
- Reduces brake, hub and suspension wear proportional to lift-time – typically 25-35% fewer wear cycles.
- Lowers total annual maintenance cost by \$500-\$1,500 per vehicle depending on duty cycle.



**CONTACT US TO LEARN MORE ABOUT ILIFT™**





## > iLift™

iLift™ is a smart electronic lift axle controller that automatically deploys and manages lift axle pressure based on vehicle load. The existing OEM dash-mounted override switch arms the system and maintains the factory look. The AKTV8 App enables wireless access to the controller for easy system set up and diagnostics. The App also warns of full and overload conditions to maximize your load.

Unlike mechanical systems that rely on drivers to manually deploy and set lift axle pressure, iLift™ is 100% automatic, maintenance free and consistently deploys lift axles to the proper pressure.

The Intelligent Lift Axle Control Module (iLift™) offers rapid and consistent deployment and retraction of lift axles. The app allows for quick setup to control and monitor onboard load settings to help reduce the risk of overload fines, optimize loads for maximum traction and improve overall driver safety.

## > MiLift

MiLift is a smart electronic lift axle controller that automatically operates and manages trailer lift axle valves based on primary suspension load. The controller can manage two groups of independent lift axle valves on multi lift axle trailers connecting them to the primary trailer suspension. MiLift can control almost any valve used in the industry or the MiLACM valve offered by AKTV8 that reliably shifts even in extreme cold temperatures.

The AKTV8 App enables wireless access to the controller for easy system set up and diagnostics. The App also warns of full and overload conditions to maximize your load.



# iLift™ FEATURES

## Electronic lift axle load control for Truck or Trailer

Electronic pressure control regulation

Three programmable control options – easy app set up

### Electronic pressure regulator

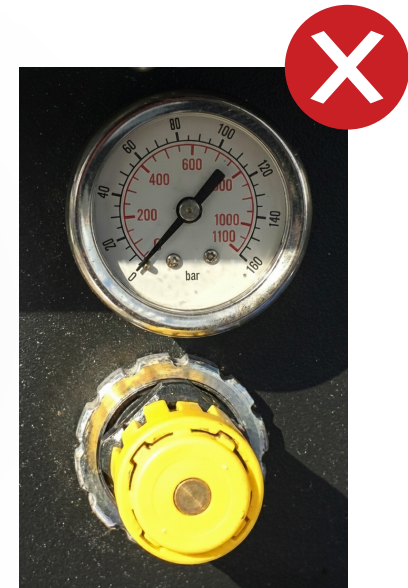
- Program precise, tamper-proof pressure control settings
- Proportional axle load control – primary air suspension vehicles
- Lift axle load proportional to primary suspension load in truck applications and nonstandard trailer axles

Accurate manual deploy to pressure – on mechanical suspension vehicles

Electronic auto-deploy/lift – on air suspension vehicles

Overload monitoring alerts

OEM dash control switch



**Eliminating Time-consuming  
Mechanical Regulator Setting  
Adjustments for Changing Loads**

## ILIFT™ - TRUCK/TRAILER - INDEPENEDENT LIFT AXLE LOAD PRESSURE CONTROL

<b>Kit Part Number</b>	003502	003512	003523
<b>Application</b>	iLift truck Auto deploy/lift Control Norgren LACM 5040-31X-XX	iLift trailer Auto deploy/lift Forward spread Control Norgren LACM	iLift trailer spring suspension Auto deploy/lift
<b>Air Ride Suspension</b>	Auto deploy/lift Smart load adjust	Auto deploy/lift Smart load adjust	Auto deploy/lift Smart load adjust
<b>Leaf Spring Suspension Walking Beam Suspension</b>	Manual deploy/lift Tamperproof max load	N/A	Single leaf suspension
<b>PCM Model</b>	iAir3-Gen1	iAir3-Gen1	iAir3-Gen1
<b>PCM Part Number</b>	000022	000022	0003524
			
<b>Harnes Part Number</b>	003486	003513	003513
<b>ABS Jumper Harness</b>	N/A	002587	002587
<b>Operating Temperature Range</b>	-40° F to 185° F / -40° C to 85° C	-40° F to 185° F / -40° C to 85° C	-40° F to 185° F / -40° C to 85° F
<b>Operating Voltage</b>	9-16 Volt DC	9-16 Volt DC	9-16 Volt DC
<b>Max Operating Pressure</b>	150 psi	150 psi	150 psi
<b>Pilot Control Pressure</b>	30 to 120 psi	30 to 120 psi	30 to 120 psi





# MiLift FEATURES

Pressure following primary suspension on trailers

Easy upgrade of existing systems regardless of control valves choice

MiLACM control valve shifts reliable in cold temperatures

ECU can support two independently controlled lift axles

App enables quick system setup and configuration.

- Control of multiple lift axle configurations on trailer
- Configure single or staggered second axle deployment
- Diagnostic tool

Utilize dash-mounted override switch

Optional overload warning LED



## MiLIFT - TRUCK/TRAILER - TRAILER LIFT AXLE VALVE CONNECTED TO PRIMARY SUSPENSION

<b>Kit Part Number</b>	003514	002362	003167
<b>Application</b>	MiLift Upgrade kit - ECU only (control existing LA valve)	MiLift new build ECU with MiLACM control valve	MiLift new build MiLACM control valve only (one valve per lift axle)
<b>Air Ride Suspension</b>	Auto deploy/lift Two axle groups connect to primary	Auto deploy/lift Axle group 1 connect to primary	Auto deploy/lift Axle group 2 connect to primary
<b>Leaf Spring Suspension Walking Beam Suspension</b>	N/A	N/A	N/A
<b>PCM Model</b>	iAir3-Gen1	003169	N/A
<b>PCM Part Number</b>	003169	003169	N/A
			
<b>Harnes Part Number</b>	003514	003514	N/A
<b>ABS Jumper Harness</b>	002587	002587	N/A
<b>Operating Temperature Range</b>	-40° F to 185° F / -40° C to 85° C	-40° F to 185° F / -40° C to 85° C	-40° F to 185° F / -40° C to 85° F
<b>Operating Voltage</b>	9-16 Volt DC	9-16 Volt DC	N/A
<b>Max Operating Pressure</b>	150 psi	150 psi	150 psi
<b>Pilot Control Pressure</b>	per valve manufacturer	Min. 60 psi	Min. 60 psi





# AKTV8

**CONTACT US**  
visit [AKTV8.com](http://AKTV8.com)  
call 1.855.77.AKTV8

***INTELLIGENCE  
IN MOTION***

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