



## SHOCKLESS RIDE TECHNOLOGY



### Retrofit Kits

Hendrickson's proprietary ZMD® ZERO MAINTENANCE DAMPING® technology includes two components: ZMD air springs and down stops. Retrofit kits are available for select VANTRAAX® and INTRAAX® models. These kits are exclusively backed by the Hendrickson Genuine Parts guarantee. Hendrickson Genuine Parts are the same quality components installed in Hendrickson original equipment suspensions and help ensure the continued reliability and performance you expect from Hendrickson. Purchase a ZMD system through an authorized Hendrickson dealer or distributor.

### Installation

Installation of the ZMD is identical to the installation of standard air springs and shock absorbers. Some AANT 23K models require an additional bolt for the shock clevis on winged hangers only. Follow all Hendrickson installation, service, maintenance and repair procedures.

Note: DO NOT mix ZMD air springs with standard air springs on a trailer. Replacing a down stop with a shock is not recommended for models equipped with ZMD air springs. Individual ZMD down stops are specific to the model and may not be interchangeable with one another.



Retrofit Kit  
Installation Procedures:  
T81001

## WARRANTY

ITEM	PARTS	LABOR
ZMD® "Shockless" Ride Technology		
ZMD Air Springs ZMD Down Stops	3 years	3 years

See L583 Comprehensive Warranty Statement or contact Hendrickson for complete warranty terms, conditions and limitations.

## ZMD IDENTIFICATION

ZMD Air Springs include the following identifiers:

- "ZMD ZERO MAINTENANCE DAMPING" embossed on the air spring bellows
- Part number embossed on the air spring bellows
- Down stop instead of shocks
- Sealed air spring piston bottom



One kit per suspension

## ZMD® RETROFIT KITS

AANT 23K	
DESCRIPTION	PART NO.
<b>Winged</b>	
<b>14" ride height</b>	S-39350-1
<b>15" ride height</b>	S-39350-3
<b>16" ride height</b>	
Bolt-on	S-39350-1
Weld-on std. frame	S-39350-5
Weld-on thick frame	S-39350-7
<b>17" ride height</b>	S-39350-3
<b>Wingless</b>	
<b>14" ride height</b>	S-39350-2
<b>15" ride height</b>	S-39350-4
<b>16" ride height</b>	
Bolt-on	S-39350-2
Weld-on std. frame	S-39350-6
Weld-on thick frame	S-39350-8
<b>17" ride height</b>	S-39350-4

AAT 23K	
DESCRIPTION	PART NO.
<b>14" ride height</b>	S-39350-2
<b>15" ride height</b>	S-39350-4
<b>16" ride height</b>	
Standard travel	S-39350-9
Limited rebound	S-39350-10
<b>17" ride height</b>	S-39350-4
<b>AAT 25K</b>	
<b>14" ride height</b>	S-39350-11
<b>15" ride height</b>	S-39350-12
<b>16" ride height</b>	
Standard travel	S-39350-13
Limited rebound	S-39350-17
<b>17" ride height</b>	S-39350-12
<b>18" ride height</b>	S-39350-12
<b>19" ride height</b>	S-39350-12

### RIDE HEIGHT / UBL™ KITS

Refer to L459 Checking Trailer Ride Height to determine the suspension's ride height to aid in selecting the appropriate retrofit kit. For all ZMD suspensions, ride height can vary by 1/2 inch from ride height stated on the kit. UBL™ UNDER BEAM LIFT™ kits may be used with ZMD suspensions; however, care must be taken to stay within the stated ride height tolerance. For information on ride height range limitations, refer to L388 Recommended Ride Height Settings and L801 Lifiable Suspension Guide.

### AXLE DIAMETER

ZMD retrofit kits are designed for suspension systems equipped with LDA™ Large Diameter Axles. Consult Hendrickson prior to installation on suspension systems equipped with 5-inch axles.

 **HENDRICKSON**  
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\*Refer to Hendrickson literature no. L405 AAT Parts List and L1057 AANT Parts List for a full listing of ZMD components.