

# PARTS LIST

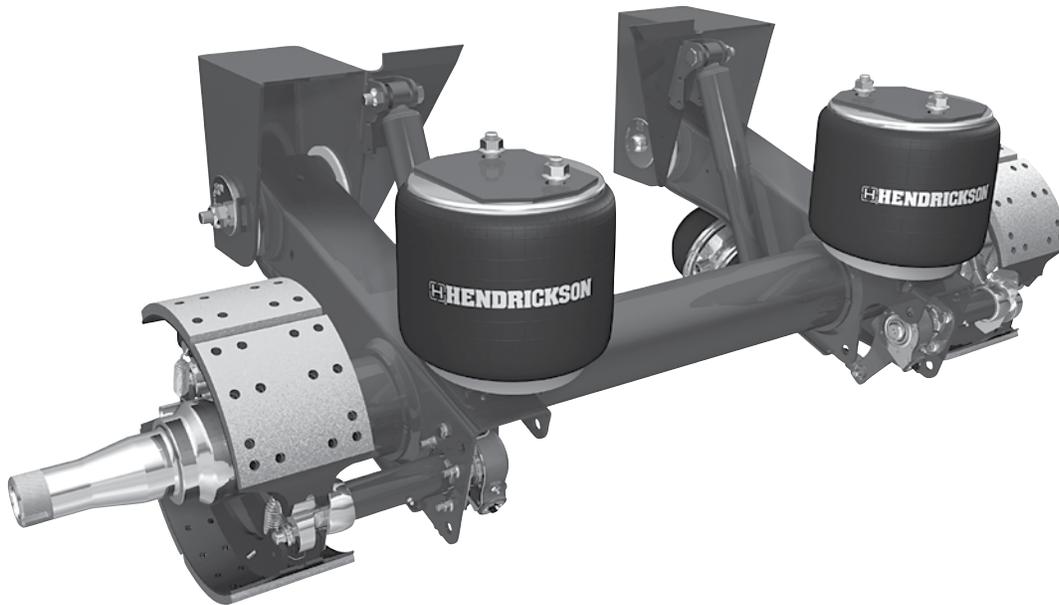
INTRAAAX® AAT —  
23K, 25K, 30K

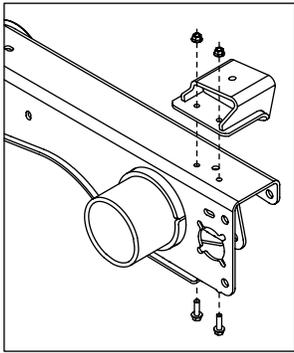
LIT NO: L405

DATE: December 2020

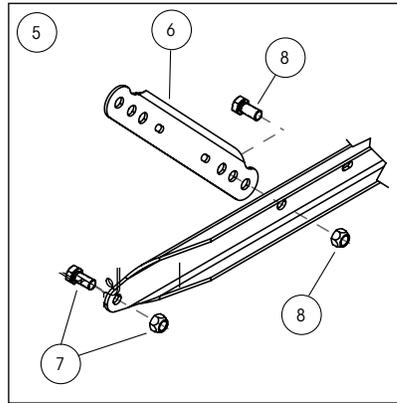
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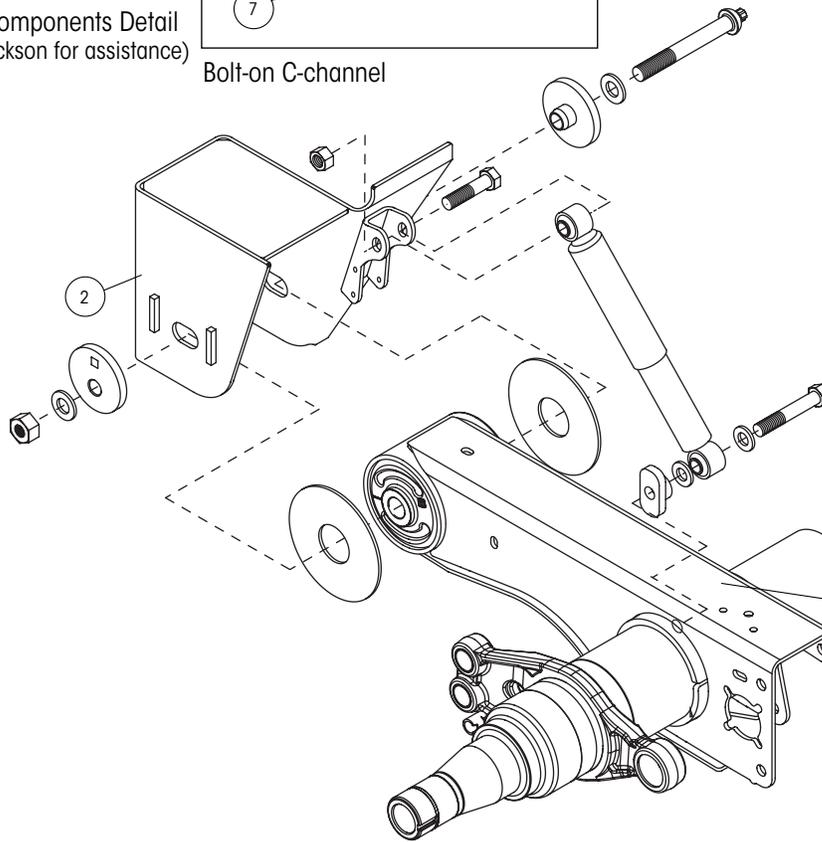
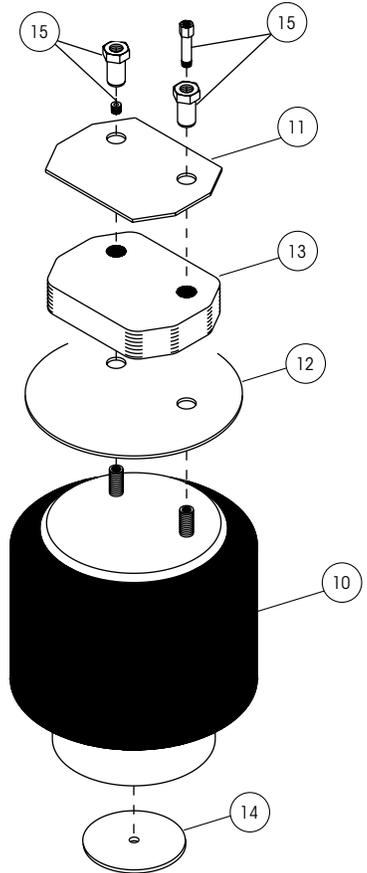




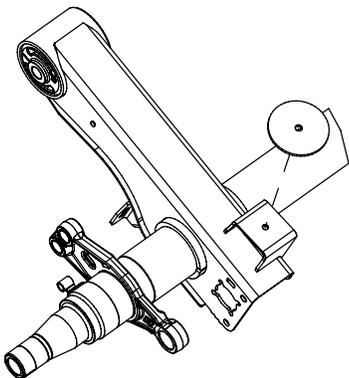
Pedestal Components Detail  
(Call Hendrickson for assistance)



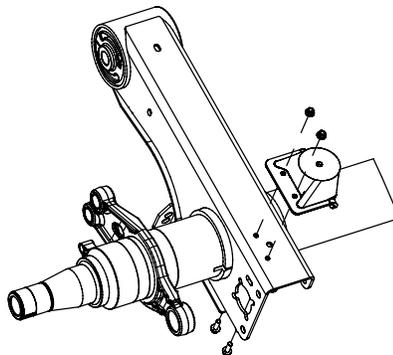
Bolt-on C-channel



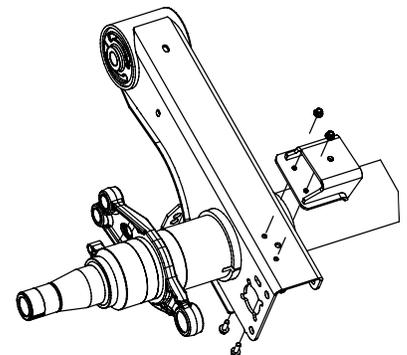
Five inch axle, weld-on  
pedestal (obsolete)



LDA Axle, cast pedestal



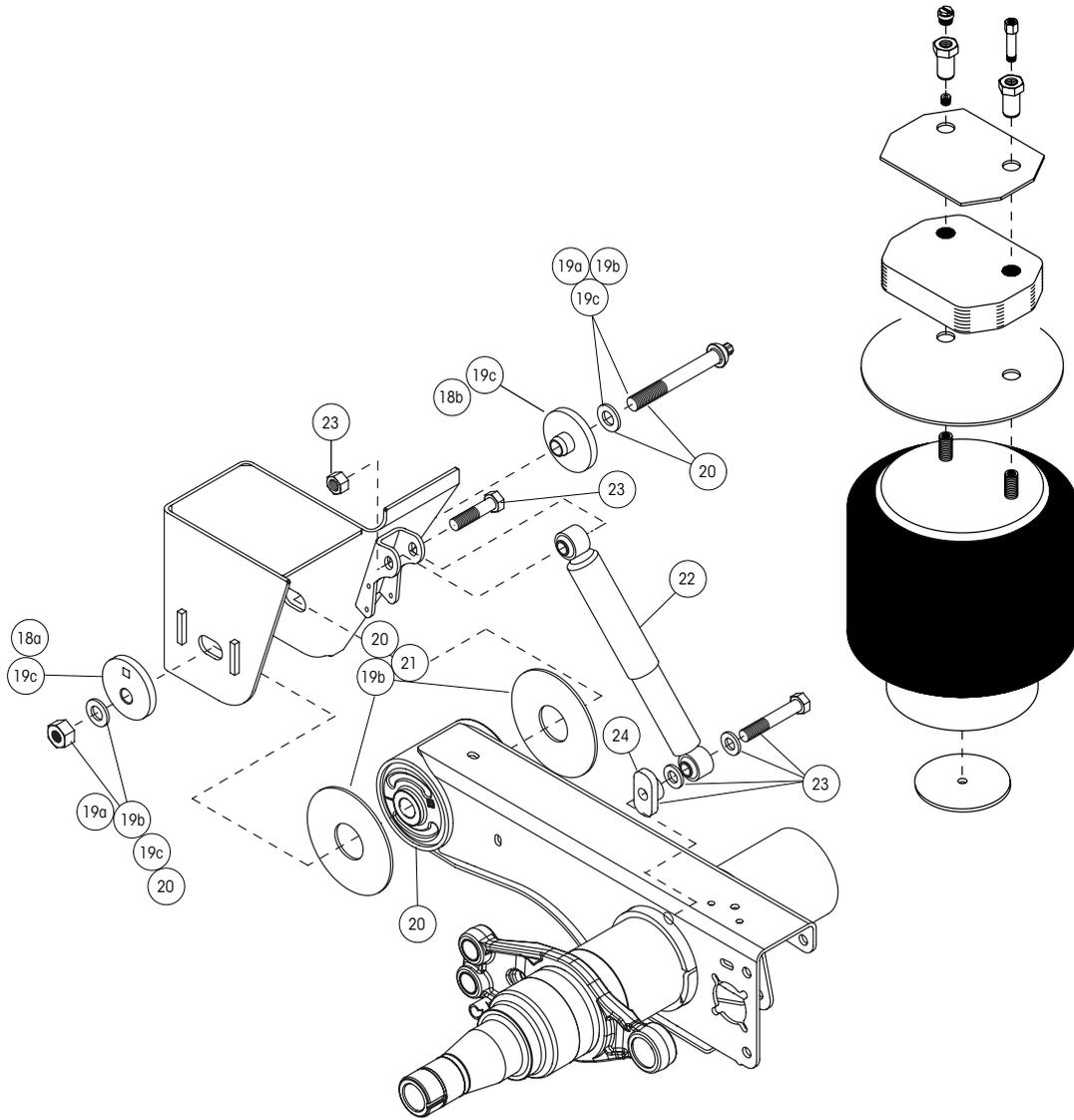
LDA Axle, steel weldment





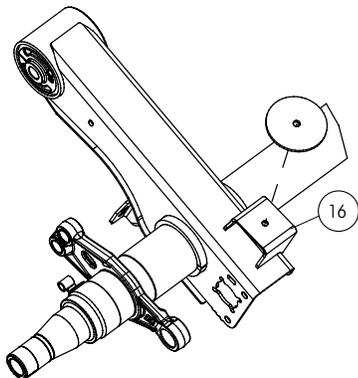
ITEM	DESCRIPTION	PART NO.	PER AXLE	NOTE
1	<b>AXLE/BEAM WELDMENT</b>	HTRAAX.XX		Contact Hendrickson for assistance
2	<b>FRAME BRACKET<sup>1</sup></b>			See L1266 Frame Bracket Parts List
3	<b>FRAME BRACKET GUSSET</b> (Not Shown)	S-27330	2	13.5" to 19" ride heights
4	<b>FRAME BRACKET BRACE</b> (Not Shown)	B-2347-7	1	16" – 17" ride heights
5	<b>BOLT-ON C-CHANNEL KIT<sup>2</sup></b>			
	71.5" track	S-31901-3C	1	Standard black primer; includes c-channel, 2 struts and strut bolt kit
	77.5" track	S-31901-1C	1	Standard black primer; includes c-channel, 2 struts and strut bolt kit
6	<b>STRUT<sup>2</sup></b>	B-30591	2	
7	<b>C-CHANNEL BOLT KIT</b>	S-29822	1	Includes 2 screws and 2 prevailing torque nuts
8	<b>STRUT BOLT KIT</b>	S-30720	1	Includes 6 screws and 6 prevailing torque nuts
9	<b>WELD-ON C-CHANNEL</b> (Not Shown)			
	71.5" - 77.5" Tracks	A-1631-19	1	13.5" to 19" ride heights
	83.5" - 85" Tracks	A-1631-35	1	13.5" to 19" ride heights
10	<b>AIR SPRING</b>			
	AAT 23K models	S-21800	2	13.5" to 19" ride heights
	AAT 25K models	S-20901	2	13.5" to 19" ride heights
	AAT 30K models	S-25873	2	13.5" to 19" ride heights
	<b>ZMD® TECHNOLOGY</b> (Not Shown)			See page 6
11	<b>AIR SPRING MOUNTING PLATE</b>			
	Weld-on	S-20905	2	12" – 19" ride heights; standard air spring mounting plate
	Bolt-on <sup>3</sup>	B-21145	2	13.5" – 19" ride heights; standard air spring mounting plate
		B-21715	2	13.5" – 19" ride heights; pattern 1 air spring mounting plate
		B-22390	2	13.5" – 19" ride heights; pattern 2 air spring mounting plate
		B-27264	2	13.5" – 19" ride heights; pattern 3 air spring mounting plate
12	<b>AIR SPRING FLEX PLATE (30K MODELS ONLY) (5" axle)</b>	B-23294		Not required for units with LDA™
13	<b>AIR SPRING SPACER (Plastic)<sup>4</sup></b>			
	<b>5" axle</b>			Flex Plate required
	15" ride height	S-22510-1	2	1 1/8" thick spacer
	16" ride height	S-22510-2	2	1 7/8" thick spacer
	17" ride height	S-22510-3	2	3 1/8" thick spacer
	<b>LDA™ Large-Diameter Axle</b>			
	16" and 18" ride height	S-22510-4	2	3/4" Thick spacer
	19" ride height	S-22510-2	2	1 7/8" Thick spacer
14	<b>AIR SPRING BOTTOM DISK (5" axle)</b>	S-21786		
15	<b>AIR SPRING MOUNTING KITS<sup>5,6</sup></b>			One per air spring; Includes air fittings, hex flange nuts, plugs and extension nuts
	<b>5" and LDA™ Large-Diameter Axle</b>			
	13.5", 14", 15" ride heights	S-22619/2	2	
	16" and 18" ride heights	S-22630/2	2	
	17" ride height	S-22619/2	2	
	19" ride height	S-22631/2	2	

1. Options exist based on frame attachment, frame bracket style, bolt hole pattern and connection. Contact Hendrickson for assistance or refer to L1266 Frame Bracket parts list.  
2. Struts are only optional for bolt-on frame brackets. Other options exist for galvanized or different track widths.  
3. Please see INTRAAX® Bolt-on Mounting Drawing, D-26651, for assistance in pattern selection. This drawing can be found in the literature section of the Hendrickson website ([www.hendrickson-intl.com](http://www.hendrickson-intl.com)).  
4. Standard options listed. Other options exist. Please contact Hendrickson for assistance.  
5. Picture may not resemble all models.  
6. Kits listed are for units with standard travel, standard air spring hardware and standard air spring mounting plate. Components may vary for limited rebound, limited jounce, thick frame or steel spacer models.

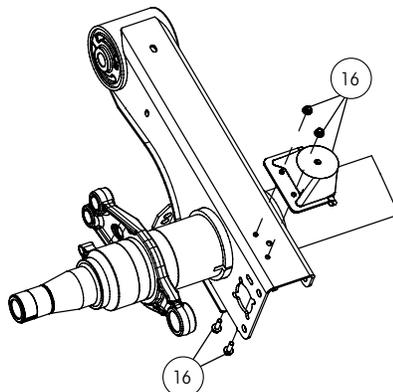


**Pedestal Component Details (call Hendrickson for assistance)**

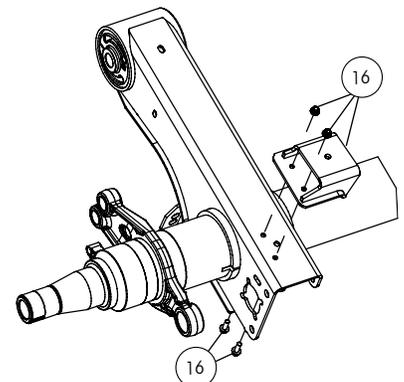
Five inch axle, weld-on pedestal (obsolete)



LDA Axle, cast pedestal



LDA Axle, steel weldment





ITEM	DESCRIPTION	PART NO.	PER AXLE	NOTE
<b>16</b>	<b>AIR SPRING PEDESTAL KITS</b>			Includes 2 pedestals, 4 nuts, and 4 screws
	<b>LDA and Five Inch Axle: Standard Travel (or) Limited Rebound Travel</b>			
	13.5" – 14" ride heights	S-32164-1	2	Kit uses bolt-on cast pedestals D-36230-1L/1R
	15" – 16" ride heights	S-32164-2	2	Kit uses bolt-on steel pedestals B-30827-2L/2R
	17" – 19" ride heights	S-32164-3	2	Kit uses bolt-on steel pedestals B-30827-3L/3R
	<b>LDA and Five Inch Axle: Limited Jounce Travel</b>			Not available on 13.5", 18", 19" ride heights
	14" – 15" ride heights	S-32164-2	2	Kit uses bolt-on steel pedestals B-30827-2L/2R
	16" – 17" ride heights	S-32164-3	2	Kit uses bolt-on steel pedestals B-30827-3L/3R
	<b>5" Axle (Weld-On) Pedestal</b>			
	13.5" – 19" ride heights	S-32164-1	2	Use bolt-on S-32164-1. Follow directions on B-32164 drawing. Weld-on option obsolete. Replace with bolt-on number listed above.
<b>17</b>	<b>AIR SPRING SPACER ASSEMBLY</b> (Not Shown)			Contact Hendrickson for assistance
<b>18</b>	<b>ALIGNMENT COLLARS</b>			
	<b>18a</b> Eccentric	S-20925	2	Pivot hole is offset from the center of collar
	<b>18b</b> Concentric	S-20924	2	Pivot hole is in center of collar
<b>19</b>	<b>QUIK-ALIGN® PIVOT BOLT KIT<sup>7</sup></b>			
	<b>19a</b> Pivot bolt kit	S-24679	2	Includes 10" shear-type bolt, nut, and washers
	<b>19b</b> Pivot bolt kit w/ bushing tube spacers			
	Standard	S-26369	2	Includes 10" shear-type bolt, nut, washers, and std. bushing tube spacers (Item 21)
	Off-Highway	S-40394-1	2	Includes 10" shear-type bolt, nut, washers, and off-highway bushing tube spacers (Item 21)
	<b>19c</b> Pivot bolt kit w/ alignment collars	S-24680	2	Includes 10" shear-type bolt, nut, washers, and alignment collars
<b>20</b>	<b>TRI-FUNCTIONAL® BUSHING KIT<sup>5,7,8</sup></b>			
	Standard	S-24691	2	Includes bushing, pivot bolt kit (Item 19a), std. bushing tube spacers (Item 21) and lube
	Off-Highway	S-40393-1	2	Includes bushing, pivot bolt kit (Item 19a), off-highway bushing tube spacers (Item 21) and lube
	Standard pivot bushing kit w/alignment collars	S-28654	1	Includes 2 bushings, 2 pivot bolt kits, bushing tube spacers and lube
<b>21</b>	<b>BUSHING TUBE SPACERS</b>			4 required per axle; Standard
	Standard	S-21099	4	
	Off-Highway	S-40230-1	4	
<b>22</b>	<b>FRONT SHOCK ABSORBER</b>			See L1287 Shock Parts List
<b>23</b>	<b>SHOCK ABSORBER BOLT KIT</b>			One 1 required per shock
	23K and 25K models shipped before 8/11/95	S-20896/2	2	
	23K and 25K models shipped after 8/11/95	S-24021	2	
	30K front mounted shock	S-24021	2	
	30K rear mounted shock	S-20031/2	2	
<b>24</b>	<b>SHOCK SPACER</b>	S-27196	2	

7. Best installed with Hendrickson's E-20 socket S-24536 (1-inch drive) or S-24303 (3/4-inch drive)

8. Bushing tool, S-21307 is required to correctly rebush the suspension.



**ZMD® ZERO MAINTENANCE DAMPING® COMPONENTS – AAT 23K and AAT 25K only** (Not Shown)

ITEM	DESCRIPTION	PART NO.	PER AXLE	NOTE
<b>25</b>	<b>ZMD® AIR SPRING</b>			14"- 19" ride heights only; Standard and Limited Rebound <sup>9</sup> travel
	AAT 23K			
	Composite piston	S-39400	2	
	Steel piston	S-35510	2	
	AAT 25K			
	Composite piston	S-39401	2	
<b>26</b>	<b>ZMD DOWNSTOP</b>			
	14" and 16" ride heights <sup>10</sup>	S-33669	2	
	15" - 17" ride heights	S-33669-3	2	
<b>27</b>	<b>ZMD DOWNSTOP BOLT KIT</b>	S-24049/2	2	Includes shear bolts, spacers, washers, hex bolt and hex nut
<b>28</b>	<b>ZMD RETROFIT KIT</b>			Includes 2 ZMD air springs, 2 down stop assemblies and hardware
	AAT 23K			
	<b>14" ride height</b>	S-39350-2	1	
	<b>15" ride height</b>	S-39350-4	1	
	<b>16" ride height</b>			
	Standard travel	S-39350-9	1	
	Limited rebound	S-39350-10	1	
	<b>17" ride height</b>	S-39350-4	1	
	AAT 25K			
	<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-39350-14		
	<b>18" ride height</b>	S-39350-15		
	<b>19" ride height</b>	S-39350-16		
<b>29</b>	<b>AIR SPRING SPACER</b>	B-22510-1	2	16" ride height only

9. Available on 14" and 16" ride heights only.

10. Available only on Raised-Center Axle with Limited Rebound travel.



