

# **RECOMMENDED STOCKING LIST**

## TRAILER SUSPENSION SYSTEMS

**Dealer / Branch**

LIT NO: L1181

DATE: August 2020

REVISION: L

**Directions:** This stock list is a recommendation of Hendrickson's most common kits sold in the aftermarket. Descriptions are provided for components to allow you to choose the correct kits to stock based on the type of Hendrickson trailer suspensions most common at your facility.

DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
<b>AIR SPRINGS</b>		
INTRAAX <sup>®</sup> AAT 23K, AANT 23K suspensions		
VANTRAAX <sup>®</sup> HKANT 40K slider (Below 16" RH)	S-21800	5
INTRAAX AAT 25K suspension	S-20901	2
INTRAAX AAT 30K suspension	S-25873	1
VANTRAAX HKANT 40K slider (16" RH and above) (Units built before Jan 2008)	S-22948	2
VANTRAAX HKANT 40K slider (16" RH and above) (Units built after Jan 2008)	S-28929	2
VANTRAAX HKAT 46K, HKANT 46K sliders	S-22948	2
HK <sup>™</sup> Series HK190T slider	S-22045	2
HK Series HK230 slider	S-22046	1
HT <sup>™</sup> Series HT190T, HS Series HS190T suspensions	S-20223	2
HT Series HT190U suspension	S-20217	2
HT Series HT230, HS Series HS230 suspensions	S-20010	5
HT Series HT250T, HT250U suspensions	S-20124	2
HT Series HT250US suspension	S-20127	2
HT Series HT300, HS Series HS300 suspensions	S-4771	2
UBL <sup>™</sup> UNDER BEAM LIFT <sup>™</sup> UBL-001, 002, 003 and 004	S-23114	1
<b>ZMD<sup>®</sup> AIR SPRINGS</b>		
ULTRAA-K <sup>®</sup> UTKNT 40K slider (units built before March 2019)	S-34733	4
ULTRAA-K UTKNT 40K slider (units built after March 2019)	S-38000	4
VANTRAAX HKANT 40K slider - 16" RH; requires QUIK-DRAW <sup>®</sup> ; Steel Piston (units built before August 2020)	S-33161	4
VANTRAAX HKANT 40K sliders - 16" RH; requires QUIK-DRAW; Composite Piston (units built after August 2020)	S-34733	4
INTRAAX AANT 23K suspension (14" - 17" RH; Std. travel); Steel Piston		
INTRAAX AAT 23K suspension (14" - 17" RH – Std. travel); Steel Piston	S-35510	2
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel); Steel Piston		
INTRAAX AANT 23K suspension (14" - 17" RH; Std. travel); Composite Piston		
INTRAAX AAT 23K suspension (14" - 17" RH – Std. travel); Composite Piston	S-39400	2
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel); Composite Piston		
INTRAAX AAT 25K suspension (14" - 19" RH – Std. travel)		
INTRAAX AAT 25K RCA suspension (14" or 16" RH – Limited Rebound Travel)	S-39401	2

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DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
<b>AIR SPRING BOLT KITS</b> (One kit required per air spring)		
INTRAAX® AAT 23K, 25K, 30K and AANT 23K suspensions (1.125" thick spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (1.125" thick spacer)		
VANTRAAX® HKANT 40K slider (cast air spring pedestal and 19" RH)	S-22630/2	3
VANTRAAX HKAT 46K slider (17" RH)		
VANTRAAX HKANT 46K slider (19" RH)		
VANTRAAX HKAT 50K slider (17" RH)		
INTRAAX AAT 23K, 25K, 30K and AANT 23K suspensions (1.875" thick spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (1.875" thick spacer)		
VANTRAAX HKANT 40K slider (weld-on air spring pedestal and 15" or 19" RH)	S-22631/2	2
VANTRAAX HKAT 46K slider (15" or 18" RH)		
VANTRAAX HKAT 50K slider (18" RH)		
INTRAAX AAT 23K, 25K, 30K and AANT 23K suspensions (3.125" thick spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (3.125" thick spacer)		
VANTRAAX HKANT 40K slider (weld-on air spring pedestal and 15.5" RH)	S-22632/2	2
VANTRAAX HKAT 46K slider (19" RH)		
VANTRAAX HKAT 50K slider (19" RH)		
INTRAAX AAT 23K, 25K, 30K and AANT 23K suspensions (no spacer)		
INTRAAX AAL 23K, 25K and 30K suspensions (no spacer)		
VANTRAAX HKANT 40K slider (weld-on air spring pedestal and 16", 16.5" or 17" RH)		
VANTRAAX HKANT 40K slider (cast air spring pedestal and 14"-18" RH)	S-22619/2	1
VANTRAAX HKAT 46K slider (16" RH)		
VANTRAAX HKANT 46K slider (14"-18" RH)		
VANTRAAX HKAT 50K slider (16" RH)		
VANTRAAX® ULTRAA-K® UTKNT 40K slider		
HK™ Series HK190T and HK230 slider (1" air spring spacer)	S-22908/2	1
HK Series HK190T and HK230 slider (2" air spring spacer)	S-22909/2	1
<b>AIR SPRING SPACERS</b>		
Air spring spacer, 1.125"	B-22510-1	2
Air spring spacer, 1.875"	B-22510-2	1
Air spring spacer, 3.125"	B-22510-3	1
Air spring spacer, 0.75"	B-22510-4	1



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DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
<b>SHOCK ABSORBERS</b> (Standard service shown; other options exist — contact Hendrickson)		
INTRAAX® AAT 23K, AANT 23K and AAT 25K suspensions		
INTRAAX AAL 23K and 25K suspensions (12" RH)	S-23566	2
VANTRAAX® HKAT 46K and HKANT 46K sliders		
VANTRAAX HKAT 50K slider		
INTRAAX AAL 23K and 25K suspensions (14"-19" RH)	S-2212	2
HT™ Series HT250T suspension		
INTRAAX AAL 23K and 25K suspensions (6.5"- 9" RH)	S-23651	2
VANTRAAX HKANT 40K slider	S-24088	3
INTRAAX AAT 30K suspension	S-24023	2
HK™ Series HK190T and HK230 sliders	S-21292	3
HT Series HT190T, HT190U, HS Series HS190T suspensions	S-20001	2
HT Series HT230, HT250U, HS Series HS230 suspensions	S-20002	3
HT Series HT250US suspension (5.5" and 6.5" RH)	S-23650	2
HT Series HT250US suspension (7.5"- 14" RH)	S-23649	2
HT Series HT300, HT300US, HS Series HS300 suspensions	S-20126	2
<b>SHOCK BOLT KITS</b> (One kit required per air spring)		
INTRAAX AAT 23K, 25K and 30K suspensions	S-24021	2
VANTRAAX HKAT 50K slider		
INTRAAX AANT 23K suspension		
VANTRAAK HKANT 40K slider	S-24049/2	1
VANTRAAX HKAT 46K slider		
VANTRAAX HKANT 46K slider		
Most HT/HS Series 190T, 230, 250T, 190U, 300T suspensions	S-20031/2	1
Most HT Series HT250U, 300T, 300US, 230 suspensions (remote shock)	S-2157/2	1
HT Series HT250US suspension	S-24024	1
<b>ZMD® SHOCK CLEVIS BOLT KIT</b>		
INTRAAX AANT 23K Suspension (14" - 17" RH; Std. travel; winged hangers only)	S-37219	2
<b>ZMD DOWN STOP</b>		
VANTRAAX HKANT 40K slider (16" RH; Requires QUIK-DRAW®)		
INTRAAX AANT 23K suspension (14" RH; 16" with bolt-on frame brackets; Std. travel)	S-33669	4
INTRAAX AAT 23K suspension (14" RH - Std. travel)		
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel)		
INTRAAX AANT 23K suspension (15" and 17" RH; 16" RH with weld-on frame brackets; Std. travel)	S-33669-3	2
INTRAAX AAT 23K suspension (15" - 17" RH; Std. travel)		
<b>ZMD DOWN STOP BOLT KIT</b>		
VANTRAAX HKANT 40K slider (16" RH; Requires QUIK-DRAW)		
INTRAAX AANT 23K suspension (14" - 17" RH; Std. travel)	S-24049/2	4
INTRAAX AAT 23K suspension (14" RH – 17" RH – Std. travel)		
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel)		

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DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
<b>ZMD DOWN STOP KIT</b> (Includes down stop and hardware)		
ULTRAA-K UTKNT 40K slider (units after March 2017)	S-38100-1	4
<b>PIVOT BUSHING KITS</b> (Includes bushing, pivot bolt kit, wear pads and lubricant)		
QUIK-ALIGN®, wide bushing	S-24691	4
QUIK-ALIGN, narrow bushing (includes 2 bushings)	S-26321	3
Welded alignment, wide bushing	S-6914	4
<b>PIVOT CONNECTION HARDWARE</b>		
Alignment collar — most welded alignments	S-2770	4
Alignment collar — QUIK-ALIGN® concentric (inner)	S-20924	4
Alignment collar — QUIK-ALIGN eccentric (outer)	S-20925	4
Bushing tube spacer — wide pivot connection	S-21099	4
Bushing tube spacer — narrow pivot connection	S-26807	4
<b>PIVOT BOLT KITS</b> (Alignment collars not included)		
QUIK-ALIGN, wide bushing	S-24679	4
QUIK-ALIGN, narrow bushing	S-24705	4
<b>U-BOLT KITS</b> (One U-bolt with nuts and washers)		
HT™ Series HT250US suspension (5.5" and 6.5" RH, flattened bolt)	S-22894/4	1
Most HT/HS Series top-mount and HT Series underslung HT190U suspensions	S-21140/4	2
Axle spacer (Must use with flattened U-bolt)	S-20701	2
<b>TOOLS</b>		
Bushing Tool, wide bushing	S-21307	1
Bushing Tool, narrow bushing	S-24736	1
E-20 socket — 1" drive	S-24536	1
<b>QUIK-DRAW® PNEUMATIC PIN PULL SYSTEM</b>		
Three-way auto reset valve with fittings	VS-25224	2
Three-way auto reset valve	VS-25223	2
48" & 54" box front actuator (cast iron – units built before Feb. 2015)	S-28061-2	1
48" & 54" rear actuator (cast iron – units built before Feb. 2015)	S-28062-2	1
48" & 54" box front actuator with fittings (composite – units built in and after Feb. 2015)	S-35294-2	1
48" & 54" rear actuator with fittings (composite – units built in and after Feb. 2015)	S-35295-2	1
<b>SLIDER LOCKING PIN</b>		
<b>UNITS BUILT BEFORE SEPT. 2012</b>		
1.375" Diameter, 4" hole center (TTMA)	S-28290	4
1.375" Diameter, 6" hole center	S-28290	4
1.625" Diameter, 4" hole center	S-28289	4
<b>UNITS BUILT AFTER SEPT. 2012 – 40K &amp; 50K / JULY 2014 – other VANTRAAX®</b>		
1.375" Diameter, 4" hole center (TTMA)	S-32389	4
1.375" Diameter, 6" hole center	S-32389	4
1.625" Diameter, 4" hole center	S-32388	4



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DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
<b>SLIDER ACCESSORIES</b>		
Body rail clip — 2" hole centers (HS slider)	S-22366	2
Body rail clip — 1.5" hole centers (HS slider)	S-14108	2
Body rail clip — use with 6" hole centers and 1.375" lock pin	S-24460	2
Body rail clip — use with 4" hole centers and 1.625" locking pin	S-24459	2
SURELOK® air spring actuator assembly	S-25593	2
<b>BOLT-ON END STOP (ULTRAA-K® 4" body rail hole spacing only)</b>		
Left front rail and right rear rail — .188" thickness	S-34821-1	2
Right front rail and left rear rail — .188" thickness	S-34821-2	2
Left front rail and right rear rail — .232" thickness	S-35761-1	2
Right front rail and left rear rail — .232" thickness	S-35761-2	2
<b>VALVES AND HARDWARE</b>		
Height control valve	VS-227	4
Height control valve — ULTRAA-K® UTKNT 40K slider	VS-33704-3	5
Bolted link assembly	S-14187	3
4-way push pull system — for use with SURELOK® system	VS-14179	1
3-way ball valve	VS-22535	2
Differential height control valve with dump for DST®	VS-27116	1
4-way air pilot valve	VS-2552	1
3-way air pilot valve	VS-23588	1
<b>TIREMAAX® ACCESSORIES</b>		
CP or CP Integrated controller assembly	VS-29865-100	OPTIONAL
PRO controller assembly	VS-32074-100	OPTIONAL
EC or CP hubcap — HN grease (spindle-mounted rotary union)	VS-29566-1	2
EC or CP hubcap — HN oil (spindle-mounted rotary union)	VS-29566-3	2
EC or CP hubcap — HP grease (spindle-mounted rotary union)	VS-29566-2	2
EC or CP hubcap — HP oil (spindle-mounted rotary union)	VS-29566-4	2
CP Integrated hubcap — HN oil (hubcap-mounted rotary union)	VS-32068-1	2
CP Integrated hubcap — HN grease (hubcap-mounted rotary union)	VS-32068-3	2
CP Integrated hubcap — HP oil (hubcap-mounted rotary union)	VS-32070-1	2
CP Integrated hubcap — HP grease (hubcap-mounted rotary union)	VS-32070-3	2
PRO hubcap — HN oil (hubcap-mounted rotary union)	VS-32055-1	2
PRO hubcap — HN grease (hubcap-mounted rotary union)	VS-32055-3	2
PRO hubcap — HP oil (hubcap-mounted rotary union)	VS-32056-1	2
PRO hubcap — HP grease (hubcap-mounted rotary union)	VS-32056-3	2
Adapter Plug 18-inch; 3-way connector	VS-29857	1
ABS junction harness 15-foot; 3-way connector	VS-30270	1
ABS junction harness 3-foot; 3-way connector	VS-30270-1	1
EC or CP stainless steel tire hose, straight — Dual, 17" tire size or super single, 22.5" tire size	VS-29003-1	4

Continued on page 6

# RECOMMENDED STOCKING LIST



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
<b>TIREMAAX® ACCESSORIES</b> (Continued)		
EC or CP stainless steel tire hose, 180 degree — dual (22.5", aluminum or steel)	VS-29004-2	4
PRO or CP Integrated stainless steel tire hose, straight — dual (22.5", aluminum or steel)	VS-31503-1	4
PRO or CP Integrated stainless steel tire hose, 180 degree — dual (22.5", steel or combo)	VS-31504-2	4
PRO or CP Integrated stainless steel tire hose, straight — super single (22.5", aluminum or steel)	VS-31503-3	2
PRO or CP Integrated thermoplastic tire hose, straight — dual (22.5", steel or combo)	VS-33767-1	4
PRO or CP Integrated thermoplastic tire hose, straight — dual (22.5", aluminum)	VS-33767-5	4
PRO or CP Integrated thermoplastic tire hose, 180 degree — dual (22.5", aluminum steel or combo)	VS-33769-1	8
PRO or CP Integrated thermoplastic tire hose, straight – super single (22.5", aluminum and steel)	VS-33767-3	2
EC or CP tee fitting — dual	VS-29854	4
EC or CP elbow fitting — super single	VS-30002	4
EC or CP tee fitting guard — for use with stemco extended hubcaps	VS-30451	4
EC or CP rotary union kit	S-28622	4
EC or CP Axle hose clamp	VS-26451	2
EC or CP spindle plug assembly — HN (1.75")	VS-27448	2
EC or CP spindle plug assembly — HP (2.50")	VS-27839	2
EC or CP axle hose for INTRAAX® / VANTRAAX® suspensions	VS-29094-1	1
PRO or CP Integrated spindle plug assembly — HN (1.75")	VS-33092-1	1
PRO or CP Integrated spindle plug assembly — HP (2.75")	VS-33092-2	1
PRO or CP Integrated axle hose for INTRAAX / VANTRAAX suspensions	VS-32087-1	1
PRO or CP Integrated axle vent for INTRAAX / VANTRAAX suspensions	VS-32101	1
Target Gauge – CP with spindle-mounted rotary union	VS-30468	1
Target Gauge – CP with hubcap-mounted rotary union	VS-32344	1
Target Gauge – PRO	VS-32331	1
Trailer Mounted Indicator light kit - Incandescent	VS-28059	1
Plug driver — handle	S-27399	1
Plug driver — HN (1.75")	S-28146-1	1
Plug driver — HP (2.75")	S-28146-3	1

## AIR DISC BRAKE COMPONENTS

### HENDRICKSON / MAXX22T™

Pad kit	S-35303-1	Minimum of 4
Caliper - Left Handed	S-35973-L	1
Caliper - Right Handed	S-35973-R	1
Guide bolt kit	S-35303-4	2
Gasket kit	S-32676-3	1
Basic tool kit (Contains 4 tools to use on all WABCO ADB)	S-32676-5	1 Kit
MAXX22T tool kit (Contains one tool that can be used on either MAXX22T or MAXXUS)	S-35303-6	Pick either basic or WABCO
Air chamber, Type 18/24, INTRAAX® AAT/AANT - Left Handed	S-38721-L	2
Air chamber, Type 18/24, INTRAAX AAT/AANT - Right Handed	S-38721-R	2
Air chamber, Type 18/24, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-38721-U	2



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DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
<b>BENDIX ADB22X</b>		
Pad kit	S-29152-2	Minimum of 4
Splined rotor	S-29152-17	2
Caliper - Left Handed	S-33647-2	1
Caliper - Right Handed	S-33647-3	1
Guide pin kit	S-29152-9	2
Air chamber, Type 18/24, INTRAAX® AAT/AANT and TRLAXLE® - Left Handed	S-38105-L	2
Air chamber, Type 18/24, INTRAAX AAT/AANT and TRLAXLE - Right Handed	S-38105-R	2
Air chamber, Type 18/24, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-38105-U	2
<b>WABCO PAN22</b>		
Pad kit	S-32676-1	Minimum of 4
Caliper - Left Handed	S-33648-2	1
Caliper - Right Handed	S-33648-3	1
Guide bolt kit	S-32676-4	2
Gasket kit	S-32676-3	1
Air chamber, Type 20, INTRAAX AAT/AANT and TRLAXLE - Left Handed	S-32793-L	2
Air chamber, Type 20, INTRAAX AAT/AANT and TRLAXLE - Right Handed	S-32793-R	2
Air chamber, Type 20, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-32793-U	2
Air chamber, Type 20/24, INTRAAX AAT/AANT - Left Handed	S-38723-L	2
Air chamber, Type 20/24, INTRAAX AAT/AANT - Right Handed	S-38723-R	2
Air chamber, Type 20/24, INTRAAX AAL, AAEDL and AAEDT - Unhanded	S-38723-U	2
<b>S-CAMS</b>		
Most INTRAAX and VANTRAAX suspensions — curbside 28 spline, for HXS® and standard lining, 16.5" brakes	S-24636-1R	4
Most INTRAAX and VANTRAAX suspensions — roadside 28 spline, for HXS and standard lining, 16.5" brakes	S-24636-1L	4
<b>CAM TUBE SYSTEM™ KITS</b>		
Cam Tube System service kit, 16.5" x 7" Brakes	S-28890	5
<b>DUST SHIELD KITS</b>		
16.5" Dust shield kit for 5" axle	S-28500-1650	4
16.5" Dust shield kit, LDA™ Large-Diameter Axle	S-28500-1657	4

*Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.  
All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration.  
Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.*

**Call Hendrickson at 330.489.0045 or 866.RIDEAIR (743.3247) for additional information.**



[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

**TRAILER COMMERCIAL VEHICLE SYSTEMS**

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