

RECOMMENDED STOCKING LIST

TRAILER SUSPENSION SYSTEMS

Master Warehouse / PDC

LIT NO: L1000

DATE: April 2019

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.
AIR SPRINGS		
INTRAAX® AAT 23K, AANT 23K suspensions	S-21800	10
VANTRAAX® HKANT 40K slider (Below 16" RH)		
INTRAAX AAT 25K suspension	S-20901	2
INTRAAX AAT 30K suspension	S-25873	1
INTRAAX AAL 23K suspension (6.5" - 7.5" RH)	S-23720	OPTIONAL
INTRAAX AAL 23K suspension (9" RH)	S-23613	OPTIONAL
INTRAAX AAL 23K suspension (12" - 17" RH)	S-23614	OPTIONAL
VANTRAAX HKANT 40K slider (16" RH and above) (Units built before Jan 2008)	S-22948	3
VANTRAAX HKANT 40K slider (16" RH and above) (Units built after Jan 2008)	S-28929	2
VANTRAAX HKAT 46K, HKANT 46K sliders	S-22948	3
HK™ Series HK190T slider	S-22045	3
HK Series HK230 slider	S-22046	1
HT™ 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	10
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™ UNDER BEAM LIFT™ UBL-001, 002, 003 and 004	S-23114	1
ZMD® AIR SPRINGS		
ULTRAA-K® 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®)	S-33161	4
INTRAAX AANT 23K suspension (14" - 17" RH; Std. travel)		
INTRAAX AAT 23K suspension (14" - 17" RH – Std. travel)	S-35510	2
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel)		

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DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
AIR SPRING BOLT KITS (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	6
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	4
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", 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)		
ULTRAA-K® UTKNT 40K slider		
INTRAAX AAL 23K, 25K and 30K suspensions (0.75" thick spacer)		
VANTRAAX HKANT 40K slider (weld-on air spring pedestal and 14" or 18" RH)	S-22635/2	OPTIONAL
VANTRAAX HKAT 46K slider (14" or 16.5" RH)		
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
HK Series HK190T and HK230 slider (3" air spring spacer)	S-22910/2	OPTIONAL
HT™ Series HT300US suspension	S-4903/2	OPTIONAL
AIR SPRING SPACERS		
Air spring spacer, 1.125"	B-22510-1	4
Air spring spacer, 1.875"	B-22510-2	2
Air spring spacer, 3.125"	B-22510-3	2
Air spring spacer, 0.75"	B-22510-4	1
SHOCK ABSORBERS (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)		
VANTRAAX® HKAT 46K and HKANT 46K sliders	S-23566	4
VANTRAAX HKAT 50K slider		
INTRAAX AAL 23K and 25K suspensions (14"-19" RH)		
HT™ Series HT250T suspension	S-2212	2



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DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
SHOCK ABSORBERS (Continued)		
INTRAAX AAL 23K and 25K suspensions (6.5"- 9" RH)	S-23651	2
VANTRAAX HKANT 40K slider	S-24088	5
INTRAAX AAT 30K suspension	S-24023	2
HK™ Series HK190T and HK230 sliders	S-21292	5
HT Series HT190T, HT190U, HS Series HS190T suspensions	S-20001	4
HT Series HT230, HT250U, HS Series HS230 suspensions	S-20002	5
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
SHOCK BOLT KITS (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	2
Most HT Series HT250U, 300T, 300US, 230 suspensions with remote shock	S-2157/2	1
HT Series HT250US suspension	S-24024	1
ZMD® SHOCK CLEVIS BOLT KIT		
INTRAAX AANT 23K Suspension (14" - 17" RH; Std. travel; winged hangers only)	S-37219	2
ZMD DOWN STOP		
VANTRAAX HKANT 40K slider (16" RH; Requires QUIK-DRAW®)		
INTRAAX AANT 23K suspension (14" RH; 16" RH 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" - 17" RH, 16" RH with weld-on frame brackets; Std. travel)	S-33669-3	2
INTRAAX AAT 23K suspension (15" - 17" RH; Std. travel)		
ZMD DOWN STOP BOLT KIT		
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" - 17" RH – Std. travel)		
INTRAAX AAT 23K RCA suspension (14" or 16" RH – Limited Rebound Travel)		
ZMD DOWN STOP KIT (Includes down stop and hardware)		
ULTRAA-K UTKNT 40K slider	S-38100-1	4
PIVOT BUSHING KITS (Includes bushing, pivot bolt kit, wear pads and lubricant)		
QUIK-ALIGN®, wide bushing	S-24691	10
QUIK-ALIGN, narrow bushing (includes 2 bushings)	S-26321	6
Welded alignment, wide bushing	S-6914	10

RECOMMENDED STOCKING LIST



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
PIVOT CONNECTION HARDWARE		
Alignment collar — most welded alignments	S-2770	10
Alignment collar — QUIK-ALIGN concentric (inner)	S-20924	10
Alignment collar — QUIK-ALIGN eccentric (outer)	S-20925	10
Bushing tube spacer — wide pivot connection	S-21099	10
Bushing tube spacer — narrow pivot connection	S-26807	10
Alignment collar — HT™ Series Y-Beam HT250U-Y suspension applications with welded alignment	S-7349	2

PIVOT BOLT KITS (Alignment collars not included)

QUIK-ALIGN, wide bushing	S-24679	10
QUIK-ALIGN, narrow bushing	S-24705	10
Welded alignment, HT Series Y-Beam HT250U-Y suspension	S-7345	2
Welded alignment, wide bushing	S-3646	5

U-BOLT KITS (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	4
Most HT/HS Series underslung suspensions	S-3650/4	OPTIONAL
Axle spacer (Must use with flattened U-bolt)	S-20701	2

TOOLS

Bushing Tool, wide bushing	S-21307	1
Bushing Tool, narrow bushing	S-24736	1
E-20 socket — 1" drive	S-24536	1

QUIK-DRAW® PNEUMATIC PIN PULL SYSTEM

Three-way auto reset valve with fittings	VS-25224	4
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

SLIDER ACCESSORIES

Body rail clip — 2" hole centers (HS sliders)	S-22366	4
Body rail clip — 1.5" hole centers (HS sliders)	S-14108	2
Body rail clip — use with 6" hole centers and 1.375" locking 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
Handle — manual or customer supplied slider pin release	B-21505	2

SLIDER LOCKING PIN

UNITS BUILT BEFORE SEPT. 2012

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



RECOMMENDED STOCKING LIST

DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
SLIDER LOCKING PIN (Continued)		
UNITS BUILT AFTER SEPT. 2012 - 40K & 50K / JULY 2014 - OTHER VANTRAAX®		
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
BOLT-ON END STOP (ULTRAA-K® 4" body rail hole spacing only)		
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
VALVES AND HARDWARE		
Height control valve	VS-227	10
Height control valve with integral dump	VS-228	10
Height control valve — ULTRAA-K UTKNT 40K slider	VS-33704-3	5
Height control valve fixed link assembly — ULTRAA-K UTKNT 40K slider	VS-33702-1	1
Bolted link assembly	S-14187	8
4-way push pull system — for use with SURELOK® system	VS-14179	1
3-way ball valve	VS- 22535	3
Differential height control valve with dump for DST®	VS-27116	1
Auto dump valve	VS-23460	OPTIONAL
Solenoid valve — 12VDC	VS-1414	1
Pressure protection valve	VS-1128	OPTIONAL
4-way air pilot valve	VS-2552	1
Air regulator	VS-1968	OPTIONAL
3-way air pilot valve	VS-23588	1
TIREMAAX® COMPONENTS		
CP or CP Integrated controller assembly	VS-29865-100	1
PRO controller assembly	VS-32074-100	1
EC or CP hubcap — HN oil (spindle-mounted rotary union)	VS-29566-3	2
EC or CP hubcap — HN grease (spindle-mounted rotary union)	VS-29566-1	2
EC or CP hubcap — HP oil (spindle-mounted rotary union)	VS-29566-4	2
EC or CP hubcap — HP grease (spindle-mounted rotary union)	VS-29566-2	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	2
ABS junction harness 15-foot; 3-way connector	VS-30270	2
ABS junction harness 3-foot; 3-way connector	VS-30270-1	2

RECOMMENDED STOCKING LIST



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
TIREMAAX® COMPONENTS (Continued)		
EC or CP stainless steel tire hose, straight — dual 17" tire size and super single, 22.5" tire size	VS-29003-1	4
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", 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 axle hose for INTRAAX® / VANTRAAX® suspensions	VS-29094-1	1
EC or CP spindle plug assembly — HN (1.75")	VS-27448	1
EC or CP spindle plug assembly — HP (2.50")	VS-27839	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
SHOCK ACCESSORIES		
Shock strap kit ²		
VANTRAAX® HKANT 40K, HKA180 sliders (15.25" length standard kit)	C-23086-1	2
INTRAAX® AAT 23K and AAT 25K suspensions		
Lower shock clevis — used on most HT™ Series suspensions	S-20069	2

2. Includes (2) straps C-24041-1, (2) clevis and (4) nylon ties



RECOMMENDED STOCKING LIST

DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
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
BENDIX ADB22X		
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
WABCO PAN22		
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
DRUM BRAKE SHOE KIT (Includes shoes only; 1 kit per wheel)		
16.5" x 7" Hendrickson 20K GAWR standard lining (FMSI 4515)	S-21266-1	OPTIONAL
16.5" x 7" Hendrickson 20K GAWR HXS® lining (FMSI 4707)	S-23750-1	OPTIONAL
MAJOR OVERHAUL DRUM BRAKE KITS (Includes shoes, anchor pins and bushings, all springs; 1 kit per wheel)		
16.5" x 7" Hendrickson 20K GAWR standard lining (FMSI 4515)	S-21184-1	OPTIONAL
16.5" x 7" Hendrickson 20K GAWR HXS® lining (FMSI 4707)	S-23753-1	OPTIONAL

RECOMMENDED STOCKING LIST



DESCRIPTION	PART NO.	RECOMMENDED STOCK QTY.
MAJOR OVERHAUL KITS, S-CAM³ (Includes snap rings, washers, bushings and seals; 1 kit per wheel)		
INTRAAX [®] models shipped before 11/24/97	S-21181/2	OPTIONAL
INTRAAX models shipped after 11/24/97	S-23974/2	1
3. For units without cam tube only		
S-CAMS		
Most INTRAAX and VANTRAAX suspensions — curbside 28 spline, for HXS and standard lining, 16.5" brakes	S-24636-1R	8
Most INTRAAX and VANTRAAX suspensions — roadside 28 spline, for HXS and standard lining, 16.5" brakes	S-24636-1L	8
CAM TUBE SYSTEM™ KITS		
Cam Tube System service kit, 16.5" x 7" Brakes	S-28890	15
DRUM BRAKE DUST SHIELD KITS		
16.5" dust shield kit for 5" axle	S-28500-1650	6
16.5" dust shield kit for LDA™ Large-Diameter Axle	S-28500-1657	10
AIR DISC BRAKE DUST SHIELD KITS		
430mm dust shield kit for 5" axle	S-28570-4350	2
430mm dust shield kit for LDA Large-Diameter Axle	S-28570-4357	2
415mm dust shield kit for MAXX22T™	S-35720-4415	2
FRAME BRACKETS		
Roadside; INTRAAX AAT 23K suspension (13.5"-15" RH)	S-21028-1	1
Curbside; INTRAAX AAT 23K suspension (13.5"-15" RH)	S-21028-2	1
Roadside; HT™ Series HT190T or HT230 suspensions (14"-15" RH)	S-21179-1	1
Curbside; HT Series HT190T or HT230 suspensions (14"-15" RH)	S-21179-2	1
BEAM ASSEMBLY		
Roadside		
HT Series HT190T or HT230 suspensions		
HS Series HS190T or HS230 sliders (without SURELOK [®])	S-20000-1	1
HK Series HK190T or HK230 sliders (without SURELOK)		
Curbside		
HT Series HT190T or HT230 suspension		
HS Series HS190T or HS230 sliders (without SURELOK)	S-20000-2	1
HK Series HK190T or HK230 sliders (without SURELOK)		

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

TRAILER COMMERCIAL VEHICLE SYSTEMS

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