

IDENTIFICATION GUIDE

TRAILER SUSPENSION AND AXLE SYSTEMS

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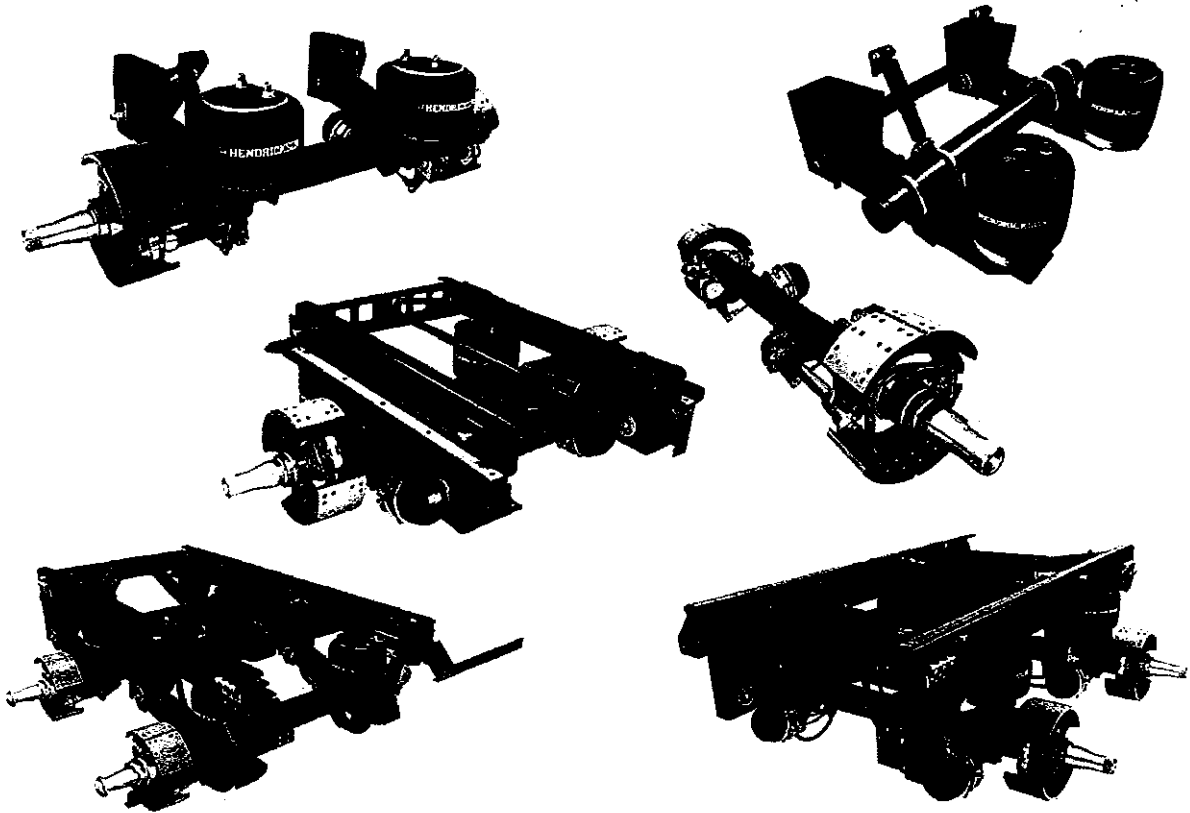


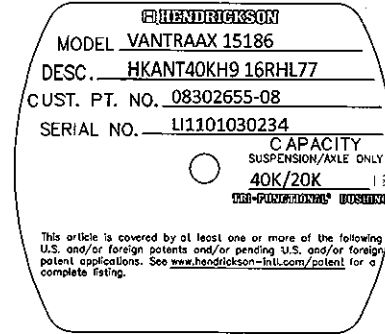
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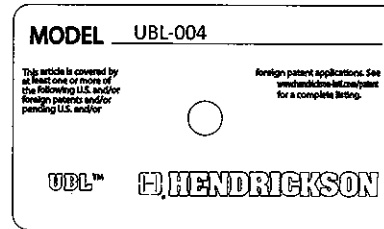


HOW TO IDENTIFY A MODEL

- STEP 1.** Find the identification tag on the suspension or trailer axle model by referencing the following chart for tag location.
- STEP 2.** If no tag is found, contact the trailer manufacturer with the necessary information (i.e. trailer serial number) to determine what suspension model is on the trailer.
- STEP 3.** If no suspension model can be obtained by completing steps 1 and 2, refer to the following pages to help determine what suspension model is on the trailer. See instructions on page 4.



Identification Tag
(VANTRAAX™ Tag Shown Above)



Identification Tag
(UBL™ Tag Shown Above)

WHERE TO FIND ID TAG ON HENDRICKSON AIR SUSPENSIONS

SUSPENSION MODEL	TAG LOCATION
T Primary Suspension	Front of roadside frame bracket
HT™ Series Primary Suspension	Front of roadside frame bracket or inside of curbside beam
INTRAAX® Primary Suspension System	Inside of curbside beam
HS Slider with HT Suspensions	Front cross member on HS box
INTRAAX-SP Slider Suspension System	On roadside front frame bracket gusset
HK™ Slider Suspension	On roadside slider box side rail above front frame bracket
VANTRAAX™ Slider Suspension System	On roadside slider box side rail above front frame bracket; also has blank INTRAAX tag on inside of curbside beam
VANTRAAX™ ULTRAA-K™ Axle/Suspension Air Slider System	On roadside front frame bracket

INTRAAX / HT

Inboard side of curb side trailing arm



ULTRAA-K

Roadside on front of frame bracket



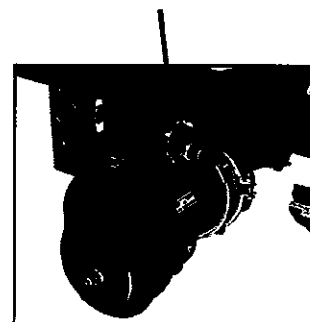
VANTRAAX / HKBOX

Roadside front of side rail on slider box



UBL

Roadside of lift bracket





WHERE TO FIND ID TAG ON HENDRICKSON NON-INTEGRATED TRAILER AXLES

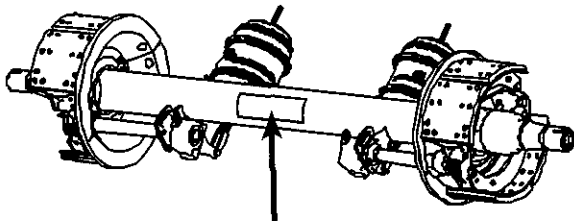
The model number, customer part number (if applicable), a description and a serial number are imprinted on an ID tag that is attached to the axle (as shown below).

Before November 2010, trailer axle product ID tags were made of mylar and located near the center of the axle beam. After November 2010, trailer axle products have a stainless steel ID tag located on the inside edge of the brake chamber bracket.

The part number is used to identify the axle specifications. This number should be referred to when contacting Hendrickson to determine the appropriate service parts. The serial number is used to identify a particular axle along with all of the component parts as specified by the customer at the time of order. The axle description serves as a generic description of the axle assembly and can be used to determine some axle configuration parameters.

OLD

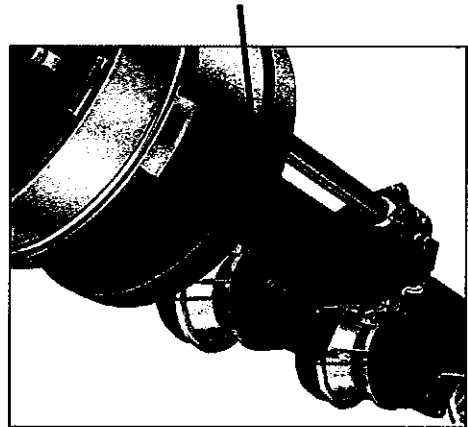
Straight Axle



Mylar ID Tag — Located Near Center of Axle

NEW

Location of New Stainless Steel ID Tag — On Brake Chamber or in Center Rear of Axle



New Stainless Steel ID Tag for Trailer Axles

MODEL	TRLAXLE 2947
CUS P/N	DETERMINED BY CUSTOMER
<small>MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS: U.S. PATENT NOS.: 6024477, 6725743, 6826122, 7773095, 7556940, 7537224, 7558521, 7565031, 7731300 MEXICAN PATENT NOS.: 223713, 243519, 248384, 251415, 255900 AUSTRALIAN PATENT NOS.: 739422, 2002320074, 2003243658, 2004220148, 2006287900, 2006302001 NEW ZEALAND PATENT NOS.: 510151, 527762, 535511, 536263 AND OTHER ISSUED FOREIGN PATENTS AND PENDING U.S. AND FOREIGN PATENTS.</small>	
DESC	HN-S505-0774-WF1607-BHM-----
S/N	CT131010XXXX
HENDRICKSON	
HTA TM AXLE	



GENERAL GUIDELINES FOR INTERPRETING SUSPENSION DESCRIPTIONS

Model: INTRAAX.2345

DESCRIPTION: AANT23K 14RHL77N X7 SHD

Model: INTRAAX.6789

DESCRIPTION: AAEDL30K 9RHS71P X7 SHD

Model: INTRAAXSP.1234

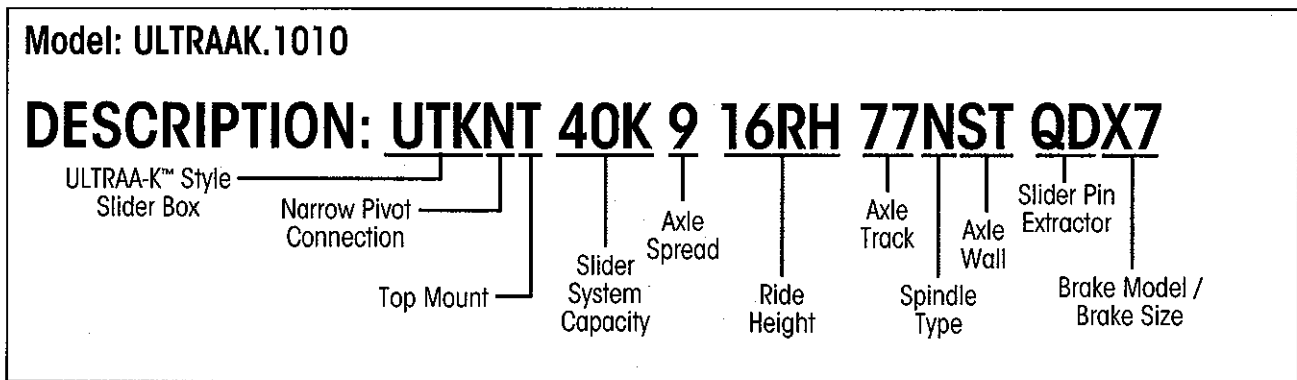
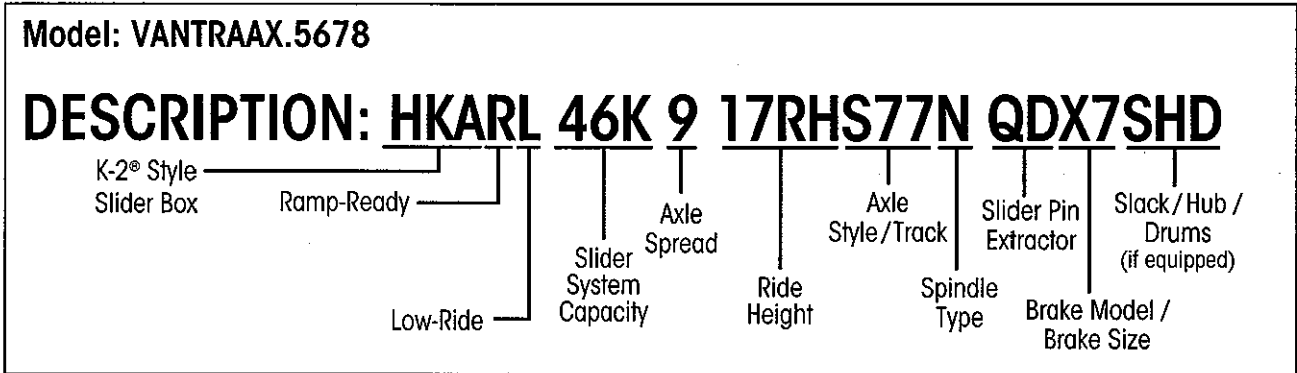
DESCRIPTION: AAZNT69K 14RHL77N X7 SHD

Model: VANTRAAX.1234

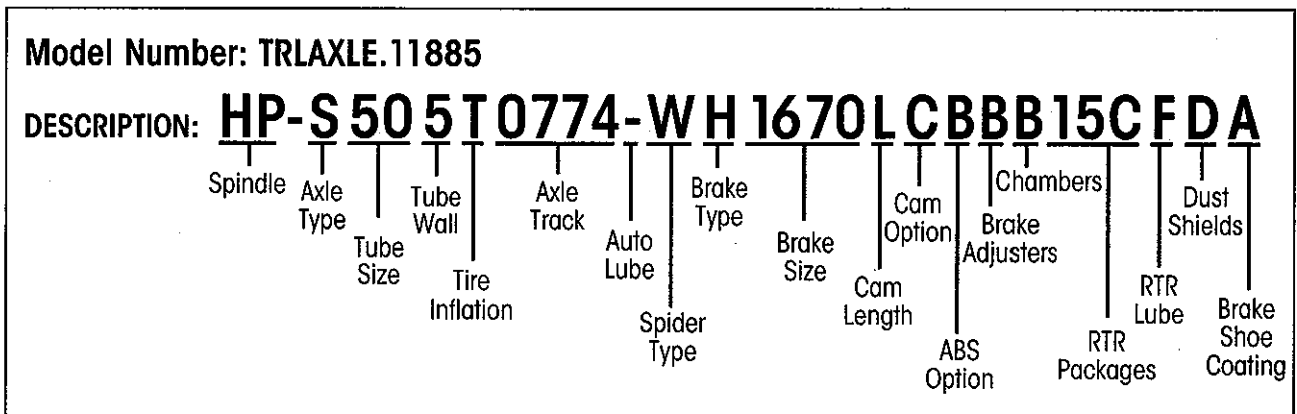
DESCRIPTION: HKANT40KH9 16RHL77N QDX7SHD



GENERAL GUIDELINES FOR INTERPRETING SUSPENSION DESCRIPTIONS (Continued)



GENERAL GUIDELINES FOR INTERPRETING NON-INTEGRATED AXLE DESCRIPTIONS



Please see page 6 for all description options.

Please note this is not an all-inclusive representation of the possible description values and that all model numbers may not represent the specific model descriptor.



GENERAL GUIDELINES FOR INTERPRETING NON-INTEGRATED AXLE DESCRIPTIONS

HENDRICKSON AXLE DESCRIPTION MATRIX

Spindle

HN® - Tapered Spindle
 HP - Parallel Spindle (Pro-Par Type)
 HPX - Parallel Spindle Cross-drill

Axle Type

S - Straight
 C - Cambered

Tube Size

50 - 5" Round
 56 - 5-3/4" Round

Tube Wall

4 - 1/2" Nominal
 5 - 5/8" Nominal
 H - 5/8" (Heavy Duty)
 6 - 3/4"

Tire Inflation

T - TIREMAAX®
 P - MTIS / PSI Prepped
 V - Axle Vent Only
 3 - 3-Hole Prep Only
 - (Dash) - None

Axle Track

- Track Length (inches) 1st 3 Digits
 # - Track Length (1/8") 4th Digit

Auto Lube

L - Lube System - Fittings Installed
 - (Dash) - None

Spider Type

B - Bolt-on Spider
 W - Weld-on Spider
 T - Torque Plate for Air Disc Brake

Brake Type

B - B-Lock
 F - Std. Service - Dual Anchor Pin (DAP) - BSFB brand
 P - Pin Style - BSFB brand
 X - HXS® / XLII - Dual Anchor Pin (DAP) - BSFB brand
 D - Air Disc Brake
 - (Dash) - No Brake Shoes
 H - Hendrickson Std. Service - Dual Anchor Pin (DAP)
 N - Hendrickson Pin Style
 E - Hendrickson HXS (DAP)
 C - Cams Only, No Brake Shoes

Brake Size

1274 - 12 1/4" x 7 1/2" brakes
 1585 - 15" x 8 5/8" brakes
 1670 - 16 1/2" x 7" brakes
 1685 - 16 1/2" x 8 5/8" brakes
 430 - 430mm Air Disc
 ---- (4 Dashes) - No Brakes

Cam Length

S - Standard. Short Length (17 5/8")
 M - Standard. Medium Length (20 5/8")
 L - Standard. Long Length (23 3/4")
 X - Special Length (Non-Standard.)
 - (Dash) - No S-Cams

Cam Option

C - Cam Tube
 B - Reduced Maintenance Bushing
 - (Dash) - No Special Cam Options

ABS Option

B - ABS Mounting Bracket Only
 S - ABS Sensor Installed
 - (Dash) - No ABS Sensors / Brackets

Brake Adjusters

B - Bendix
 G - Gunite
 H - Haldex
 - (Dash) - No Brake Adjusters

Chambers

W - Meritor Wabco
 B - Bendix
 H - Haldex
 K - Knorr - Air Disc Brake Only
 T - TSE
 - (Dash) - No Chambers

RTR® READY TO ROLL® Packages

1 - 10-stud, hub-piloted - 1st Digit
 8 - 8-stud, hub-piloted - 1st Digit
 - (Dash) - No Hubs - 1st Digit

V - HVS® 3-yr - 2nd Digit

3 - HXL3® 3-yr - 2nd Digit

L - HLS® 5-yr - 2nd Digit

5 - HXL5® 5-yr - 2nd Digit

7 - HXL7® 7-yr - 2nd Digit

P - ConMet PreSet - 2nd Digit

- (Dash) - No RTR or 1-yr Std Service - 2nd Digit

C - Cast Drum - 3rd Digit

F - Fused Drum - 3rd Digit

- (Dash) - No Drums - 3rd Digit

315 - 3-spoke, 15" wheel - All 3 Digits

520 - 5-spoke, 20" wheel - All 3 Digits

622 - 6-spoke, 22" wheel - All 3 Digits

624 - 6-spoke, 24" wheel - All 3 Digits

RTR Lube

G - Grease

F - Syn. Semi-Fluid Grease

O - 80W - 90 Oil

S - SAE 50 or 75W - 90 Synthetic

- (Dash) - None

Dust Shields

D - Dust Shield Included

- (Dash) - None



SUSPENSION IDENTIFICATION GUIDE

INSTRUCTIONS

STEP 1. Determine if unit is a primary or slider suspension.

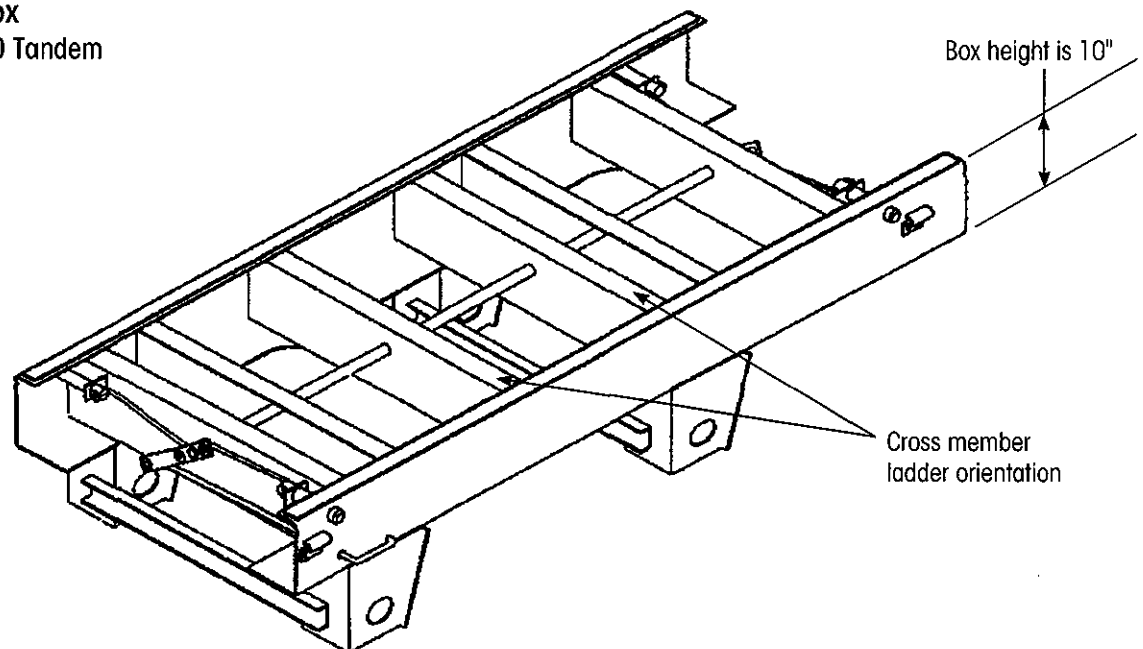
STEP 2. If it is a slider, use the following illustrations to determine the slider box type and the suspension model.

If it is a primary, use the illustrations beginning on page 8 to determine the suspension model.

SLIDER BOXES — VAN / REEFER APPLICATIONS

Hendrickson van /reefer slider boxes were manufactured in three designs. In order to determine the box type, check to see if the cross members are in a ladder orientation or if the orientation forms two K's or one K. If the orientation forms a ladder, refer to the illustration below. If the cross members form the "K" orientation, use the dimensions provided on pages 8 and 9 to determine which model that you have.

HS Slider Box
• HS190/230 Tandem

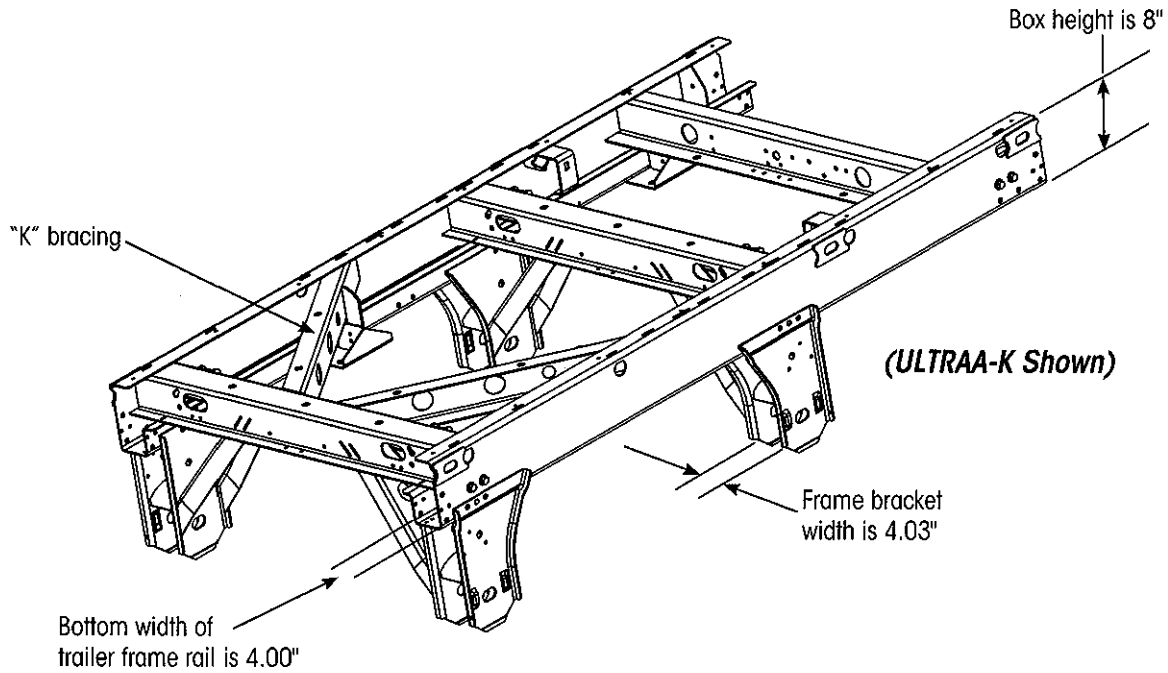




SLIDER BOXES — VAN / REEFER APPLICATIONS (Continued)

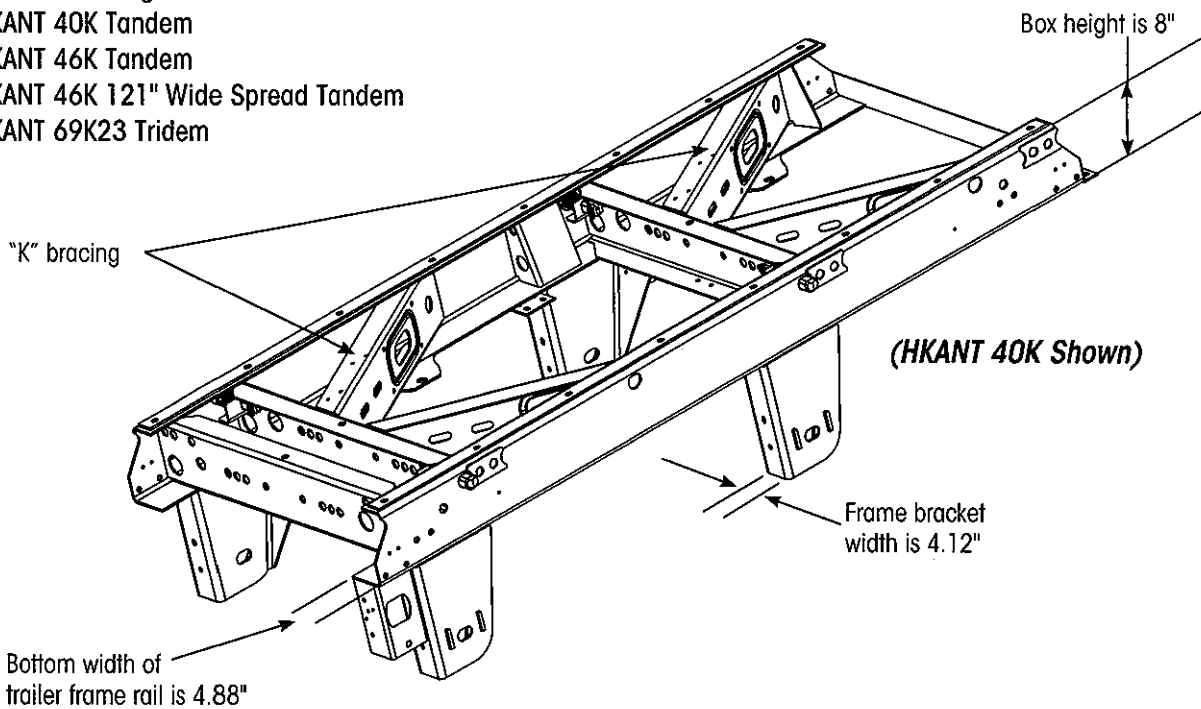
VANTRAA™ ULTRAA-K™ UTKNT Slider Box

- UTKNT 40K Tandem



VANTRAA HKANT Slider Box

- HKANT 23K Single
- HKANT 40K Tandem
- HKANT 46K Tandem
- HKANT 46K 121" Wide Spread Tandem
- HKANT 69K23 Tridem





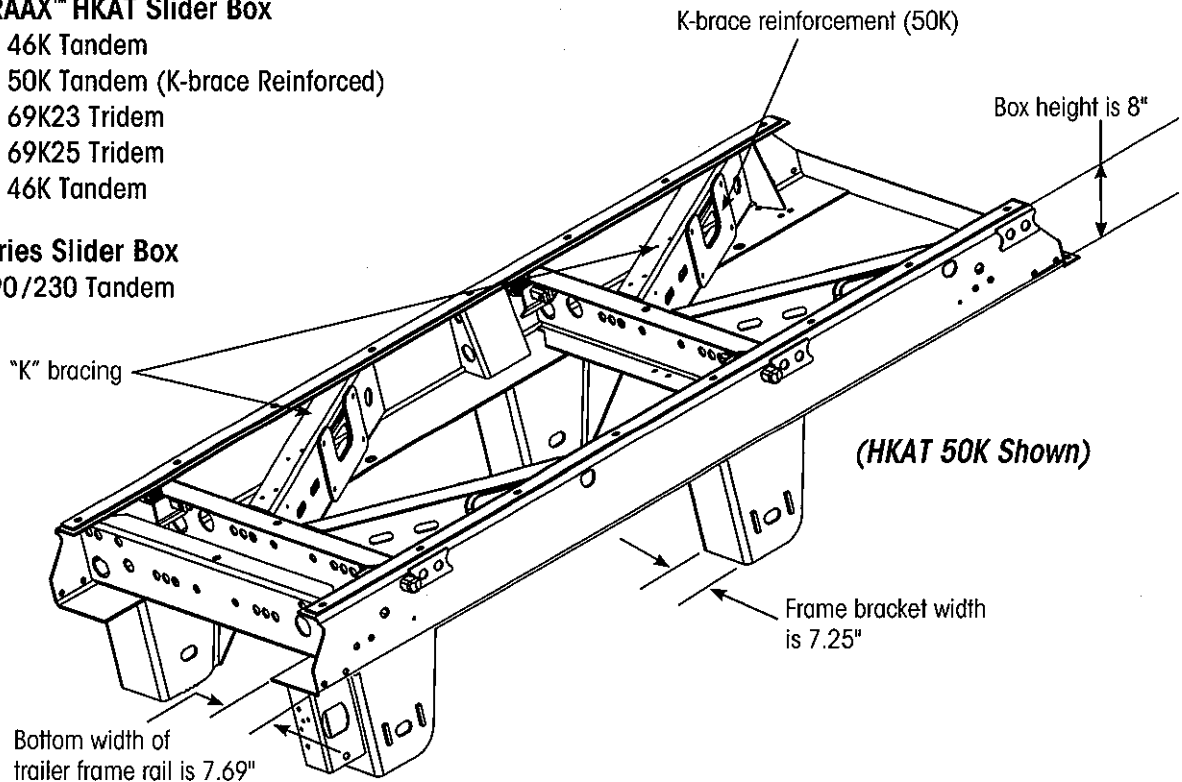
SLIDER BOXES — VAN / REEFER APPLICATIONS (Continued)

VANTRAAX™ HKAT Slider Box

- HKAT 46K Tandem
- HKAT 50K Tandem (K-brace Reinforced)
- HKAT 69K23 Tridem
- HKAT 69K25 Tridem
- HKAL 46K Tandem

HK Series Slider Box

- HK190/230 Tandem

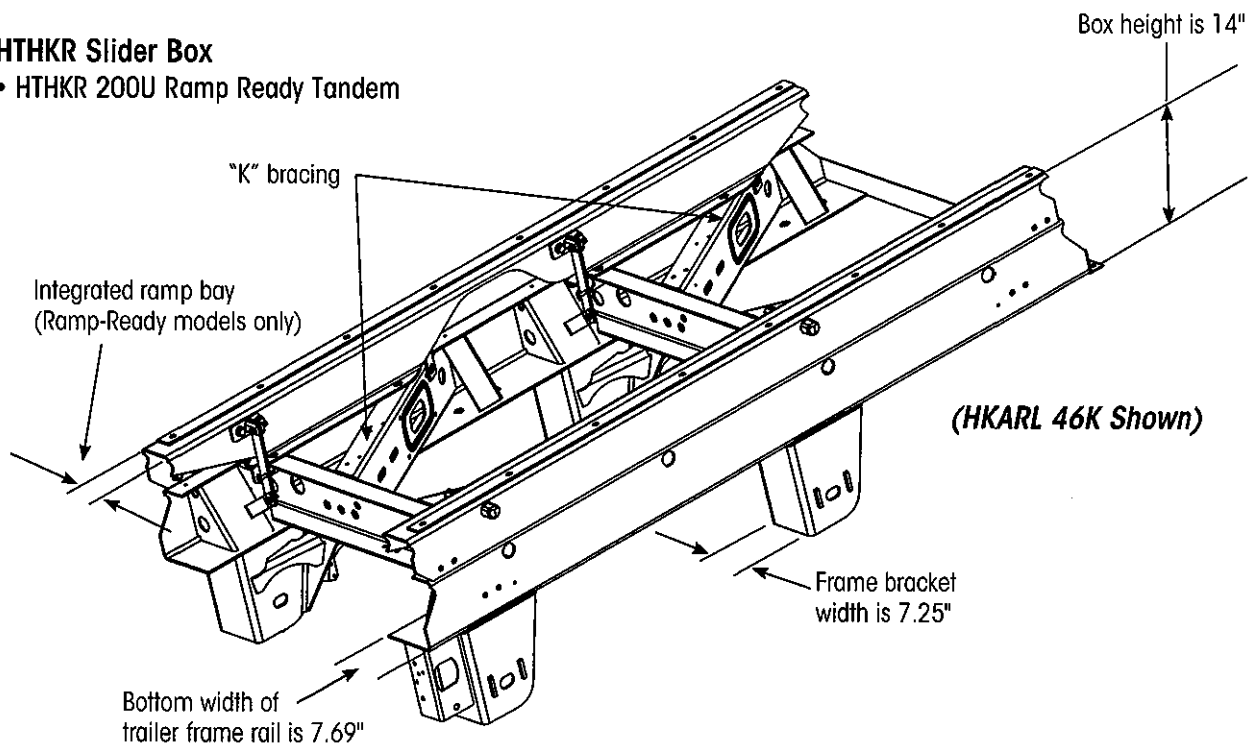


VANTRAAX HKARL Slider Box

- HKARL 46K Ramp Ready Tandem

HTHKR Slider Box

- HTHKR 200U Ramp Ready Tandem



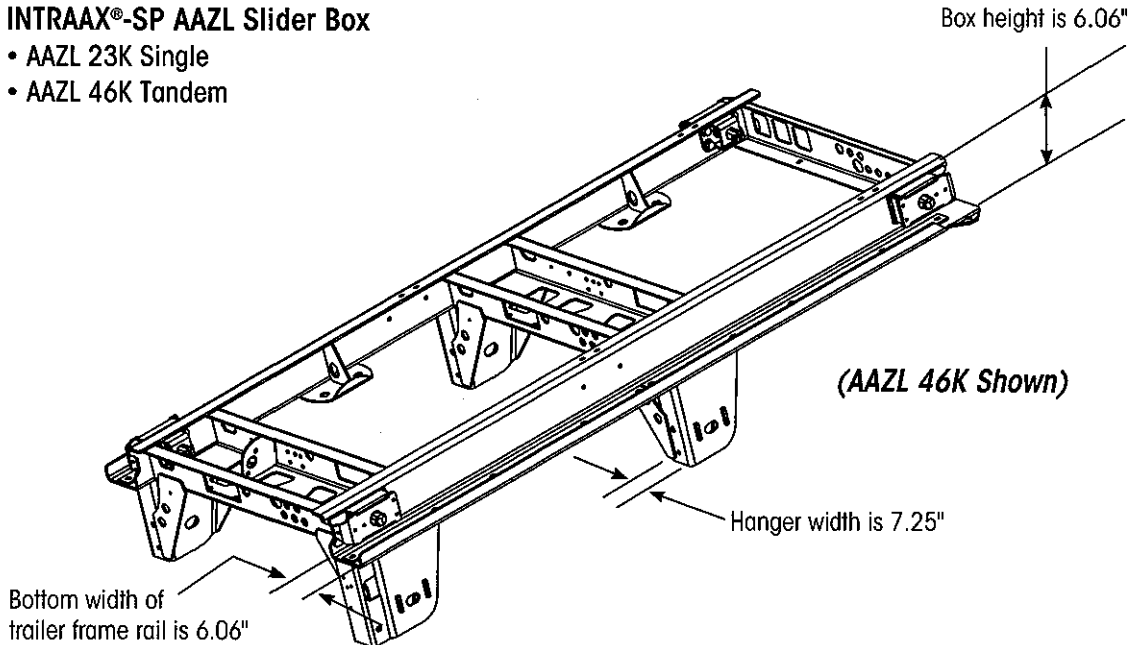


SLIDER BOXES — PLATFORM APPLICATIONS

Hendrickson platform slider boxes feature a "Z-rail" style box that is designed to fit between the trailer I-beams with the locking pins engaging through the holes in the web of the beams. Refer to the illustrations below to determine if you have a top mount or low-ride model.

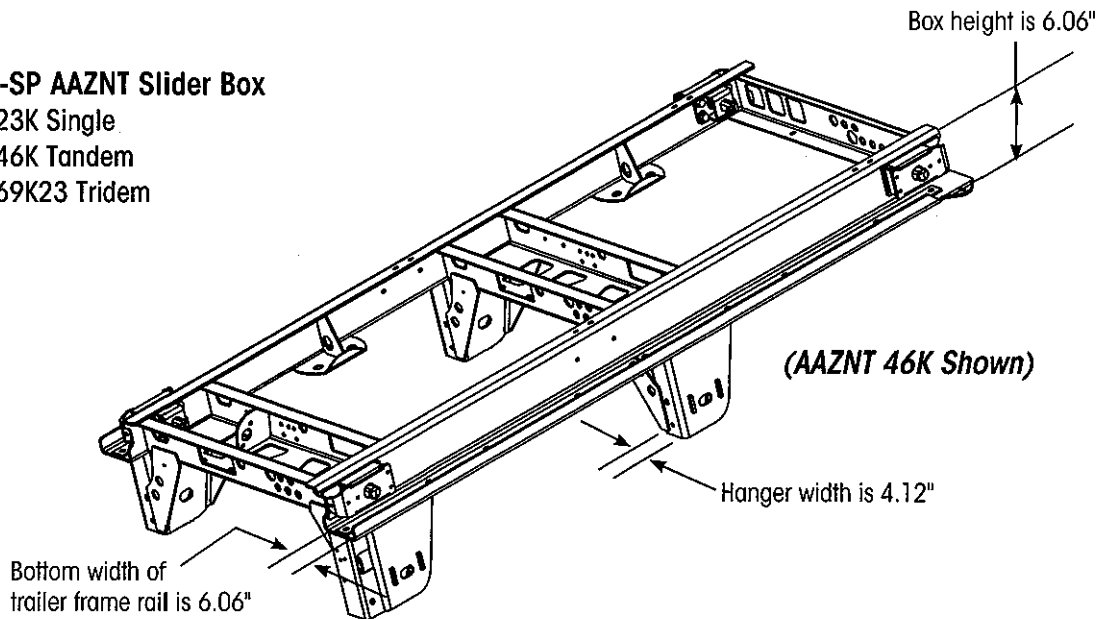
INTRAAX®-SP AAZL Slider Box

- AAZL 23K Single
- AAZL 46K Tandem



INTRAAX-SP AAZNT Slider Box

- AAZNT 23K Single
- AAZNT 46K Tandem
- AAZNT 69K23 Tridem



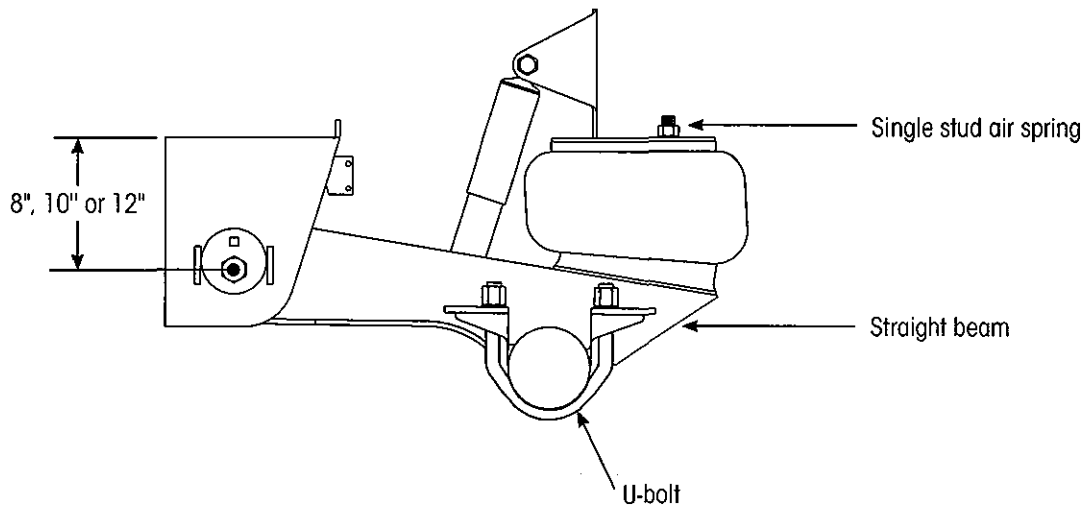


PRIMARY SUSPENSIONS — VOCATIONAL APPLICATIONS (HT™ SERIES)

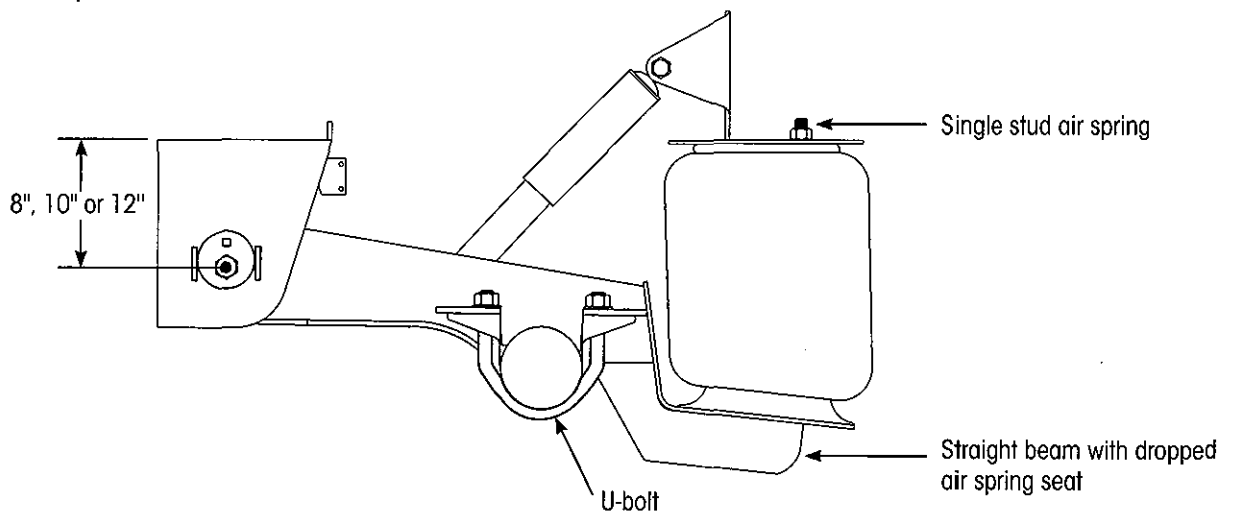
TOP MOUNT SUSPENSIONS

Top mount suspensions are those with the beam assembly on top of the axle. The illustrations show the distinguishing characteristics of the various Hendrickson top mount suspensions. In order to determine the suspension model, find the illustration with the same identifying characteristics.

HT190 and HT230 Top-Mount



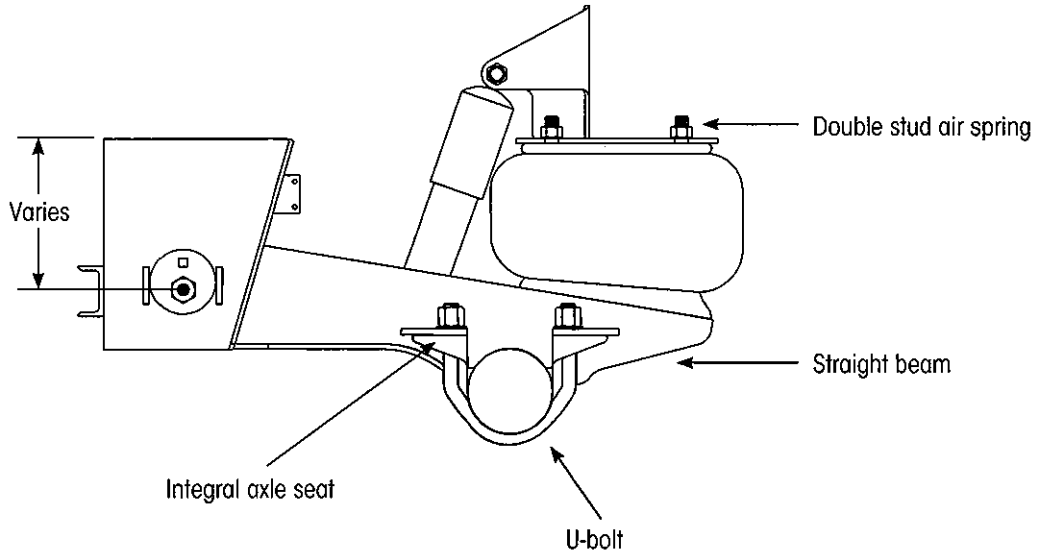
HT250 Top-Mount



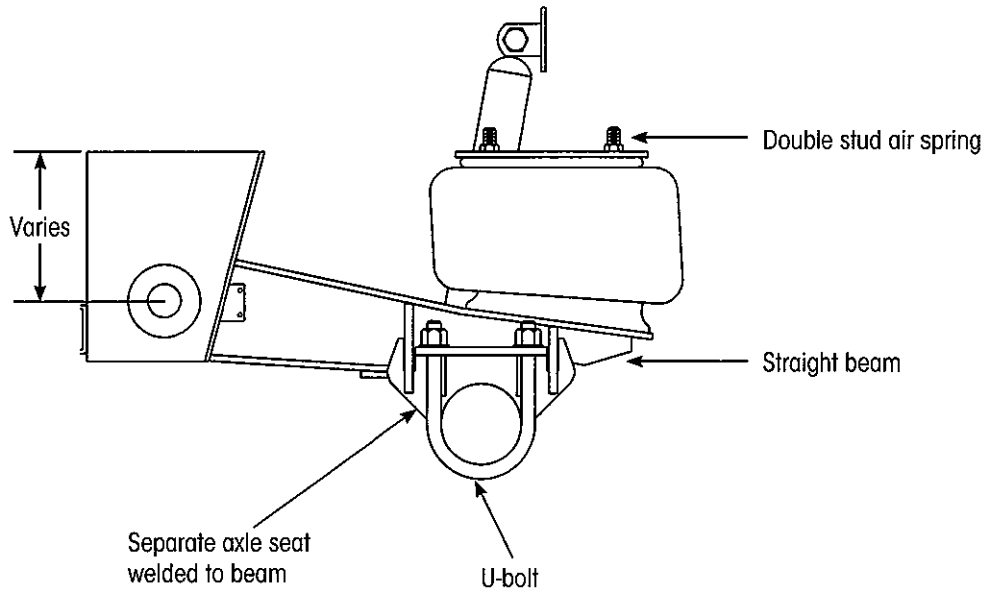


TOP MOUNT SUSPENSIONS (Continued)

HT300 Top-Mount



T Top-Mount

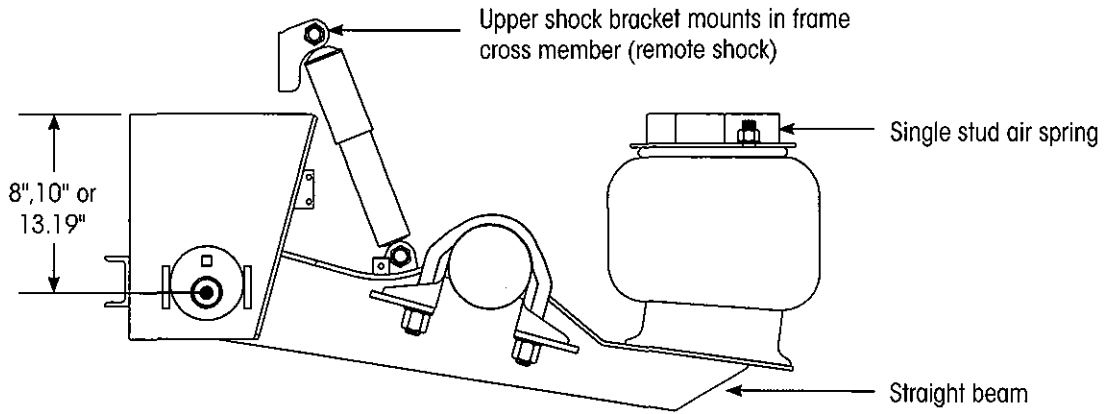




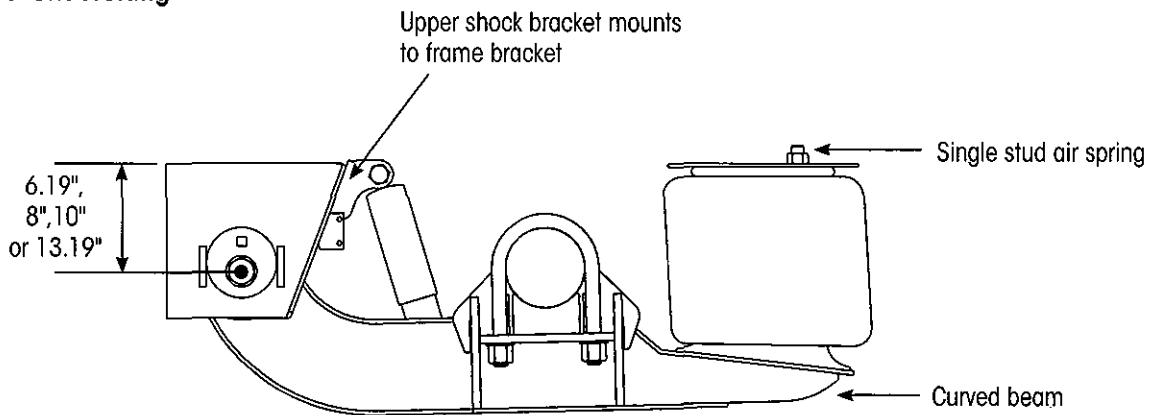
UNDERSLUNG SUSPENSIONS

Underslung suspensions are those with the beam assembly under the axle. The illustrations show the distinguishing characteristics of the various Hendrickson underslung suspensions. In order to determine the suspension model, find the illustration with the same identifying characteristics.

HT190U Underslung



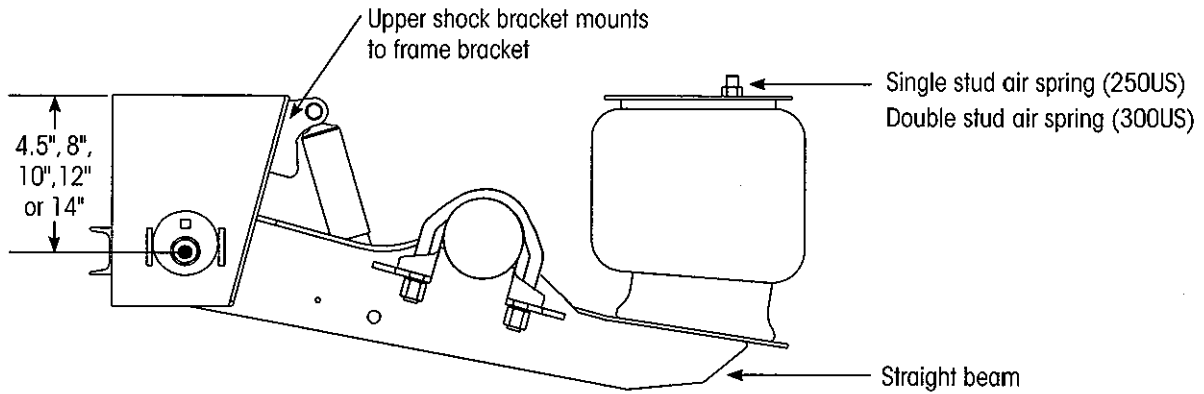
HT250U Underslung



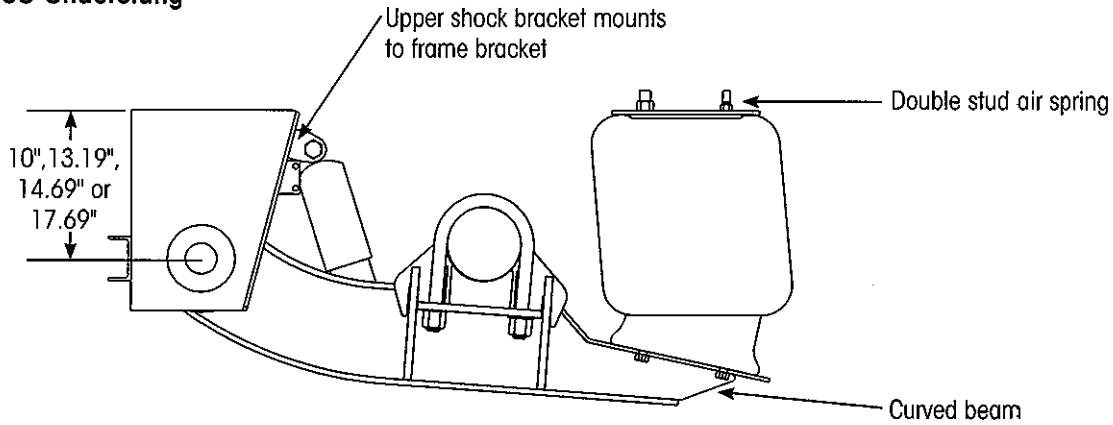


UNDERSLUNG SUSPENSIONS (Continued)

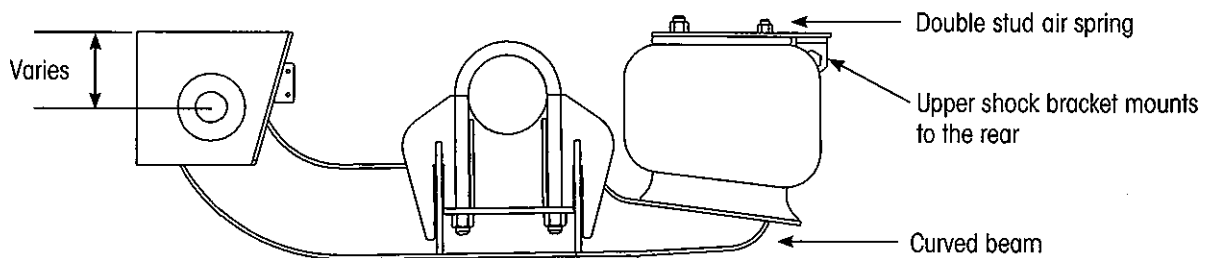
HT250US / HT300US Underslung



HT300U Underslung



T Underslung

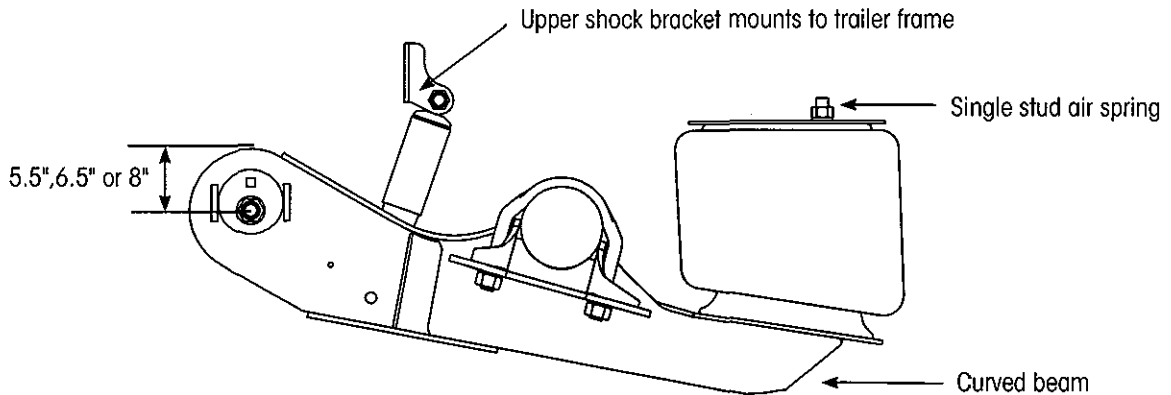




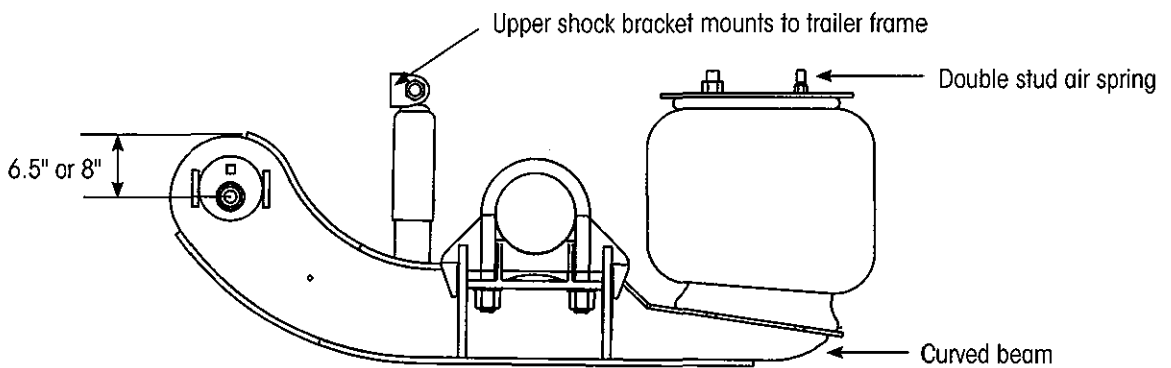
Y-BEAM SUSPENSIONS

Y-Beam suspensions are those with the beam assembly under the axle and the bushing tubes integrated into the trailer frame. The illustrations show the distinguishing characteristics of the various Hendrickson Y-beam suspensions. In order to determine the suspension model, find the illustration with the same identifying characteristics.

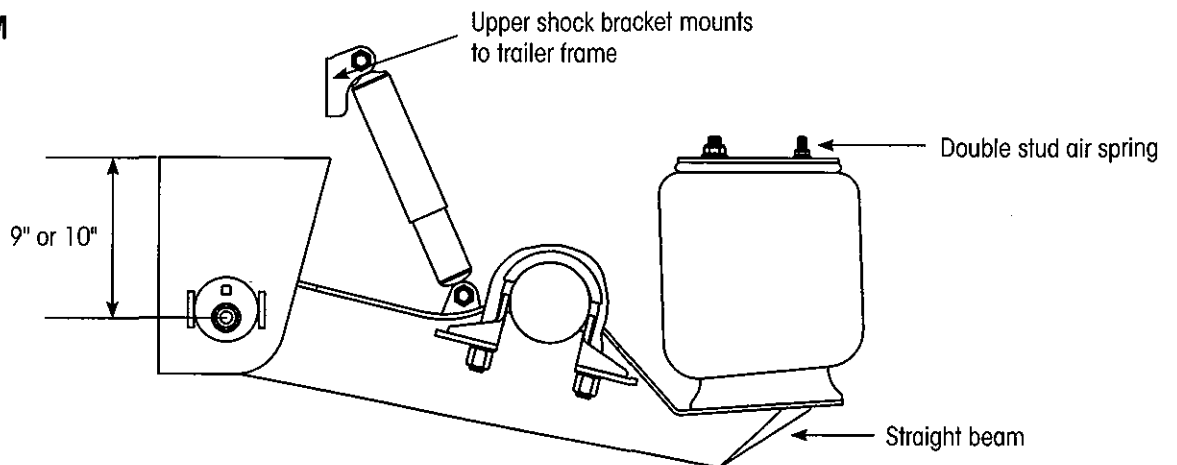
HT250YS



HT250YB / HT300YB



HT200UAM



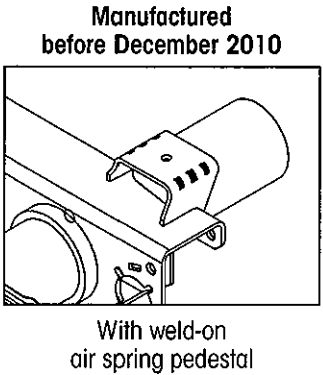
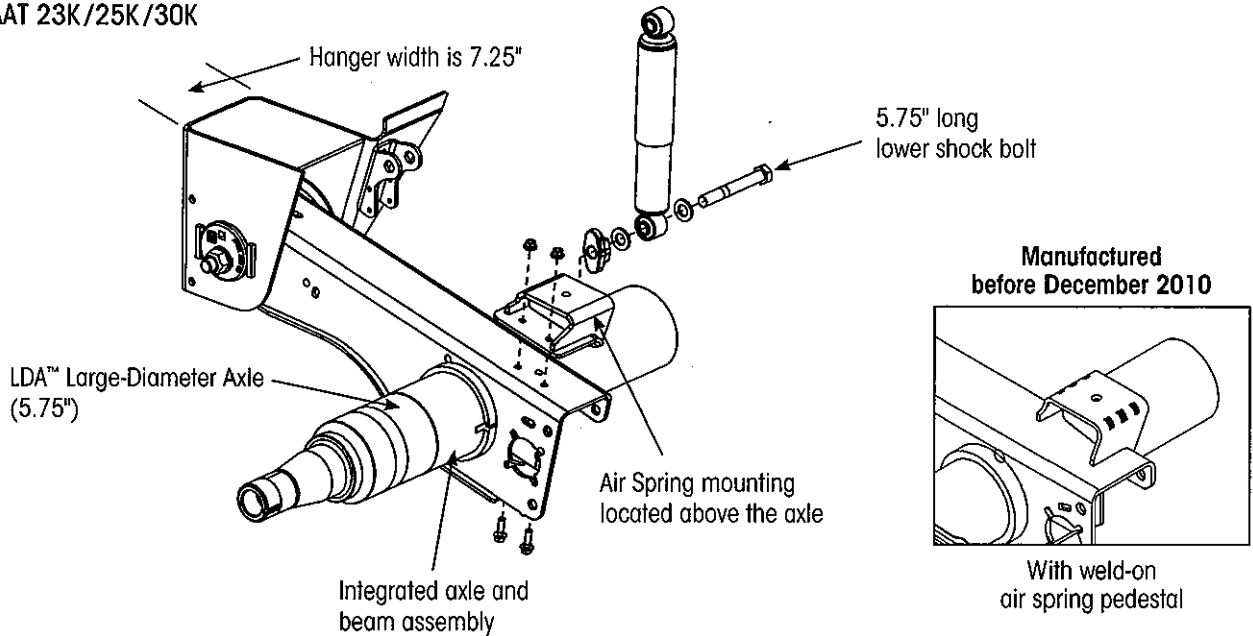


PRIMARY SUSPENSIONS — VOCATIONAL APPLICATIONS (INTRAAX®)

Hendrickson's INTRAAX suspensions have an integrated axle and beam assembly. The illustrations show the distinguishing characteristics of the various models. In order to determine the suspension model, find the illustration with the same identifying characteristics.

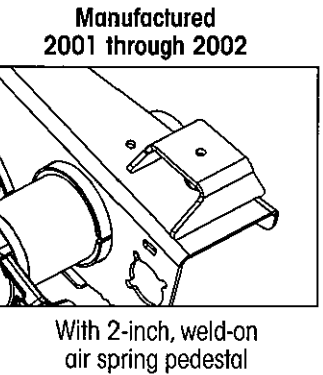
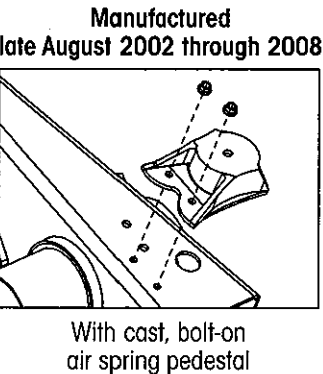
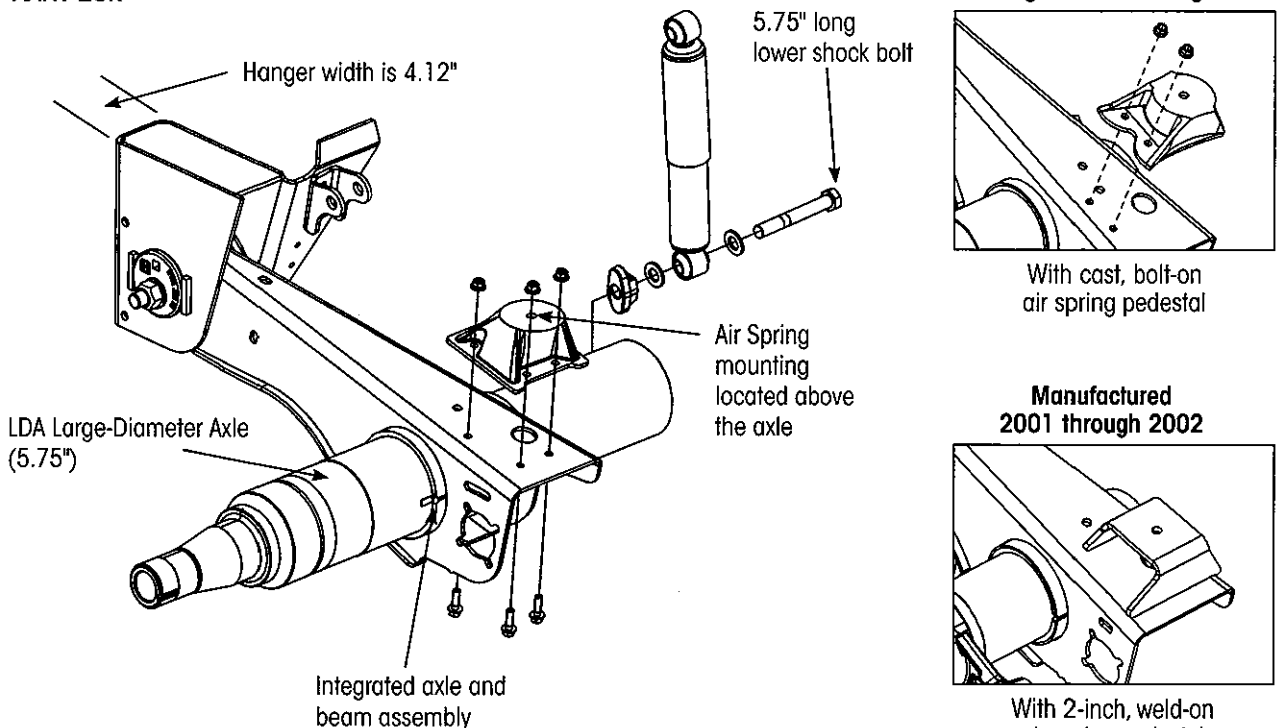
INTRAAX Top-Mount

- AAT 23K/25K/30K



INTRAAX Top-Mount

- AANT 23K

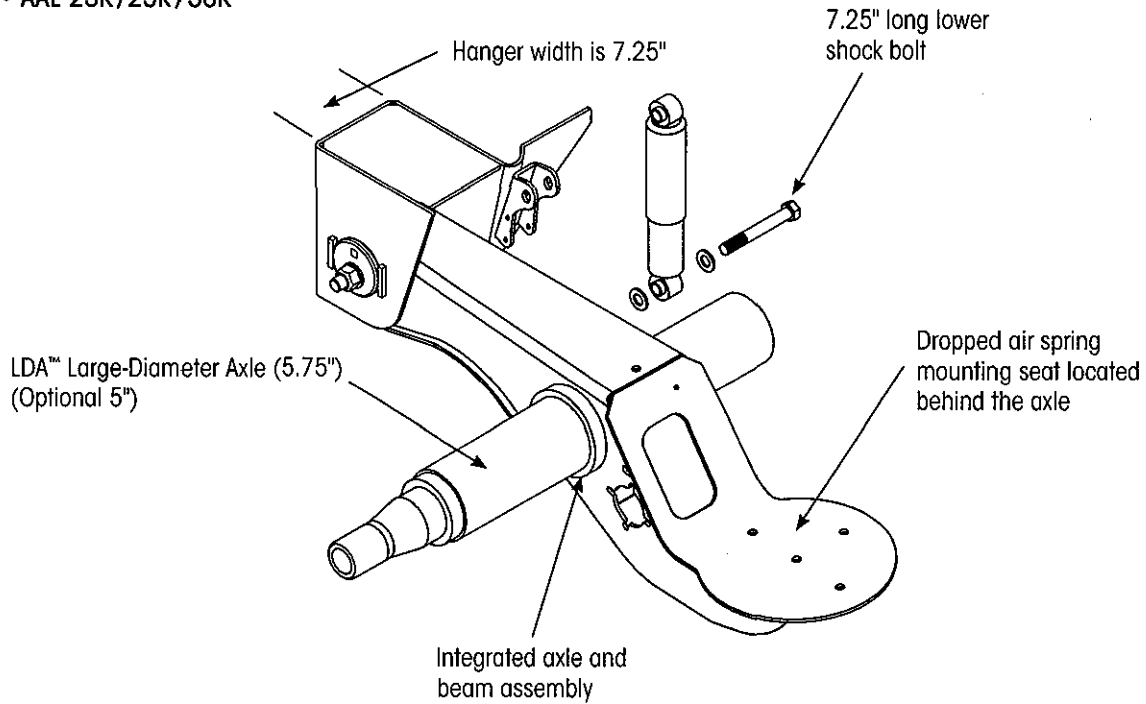




PRIMARY SUSPENSIONS — VOCATIONAL APPLICATIONS (INTRAAX®) (Continued)

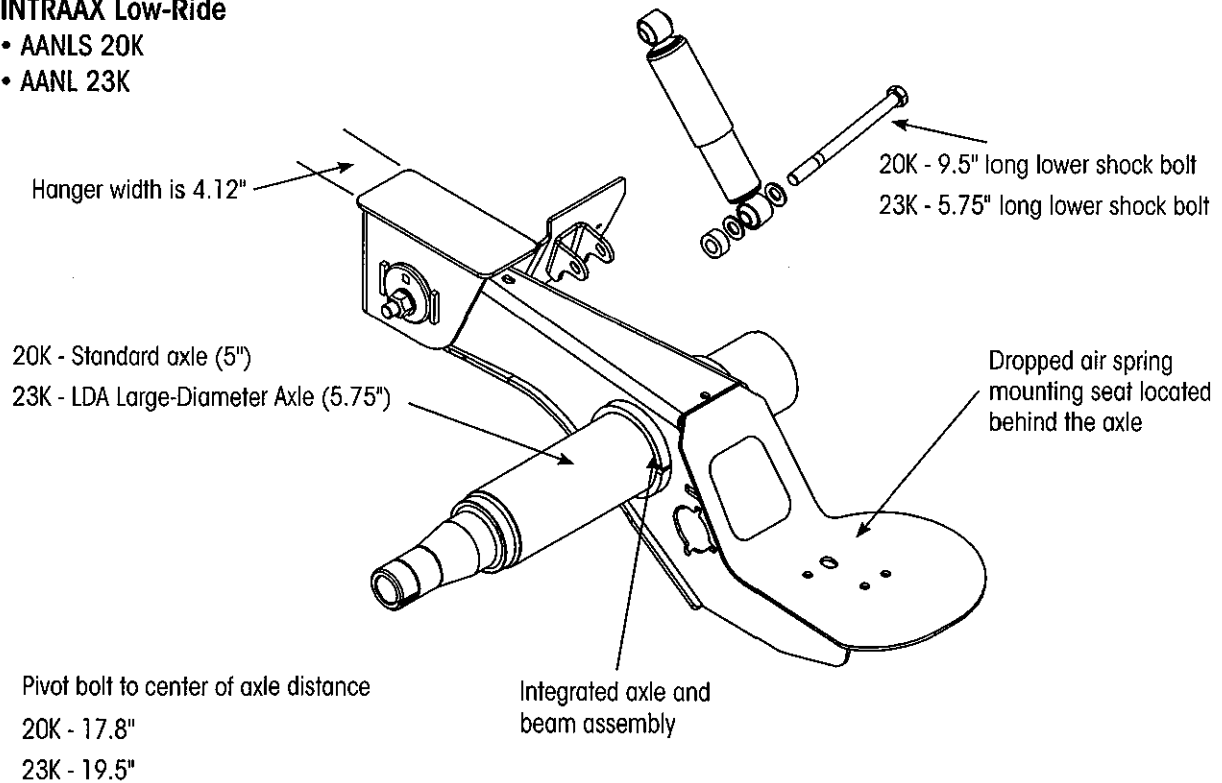
INTRAAX Low-Ride / Liftable

- AAL 23K/25K/30K



INTRAAX Low-Ride

- AANLS 20K
- AANL 23K

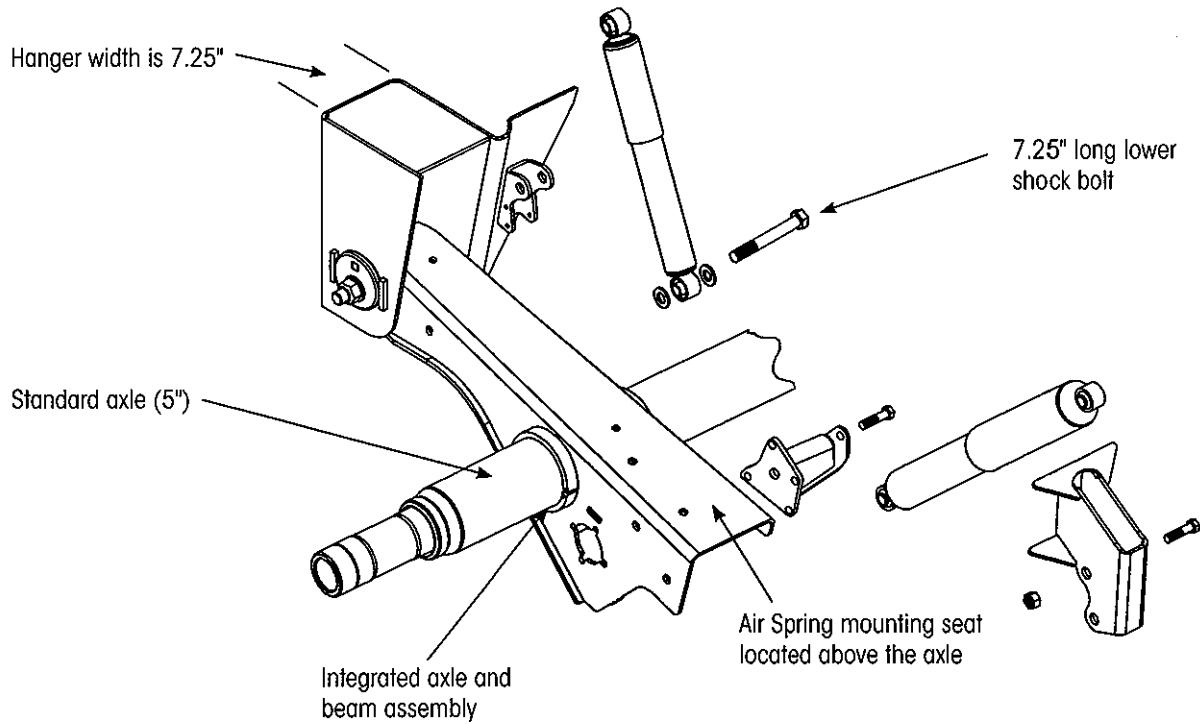




INTRAAX® SUSPENSIONS (Continued)

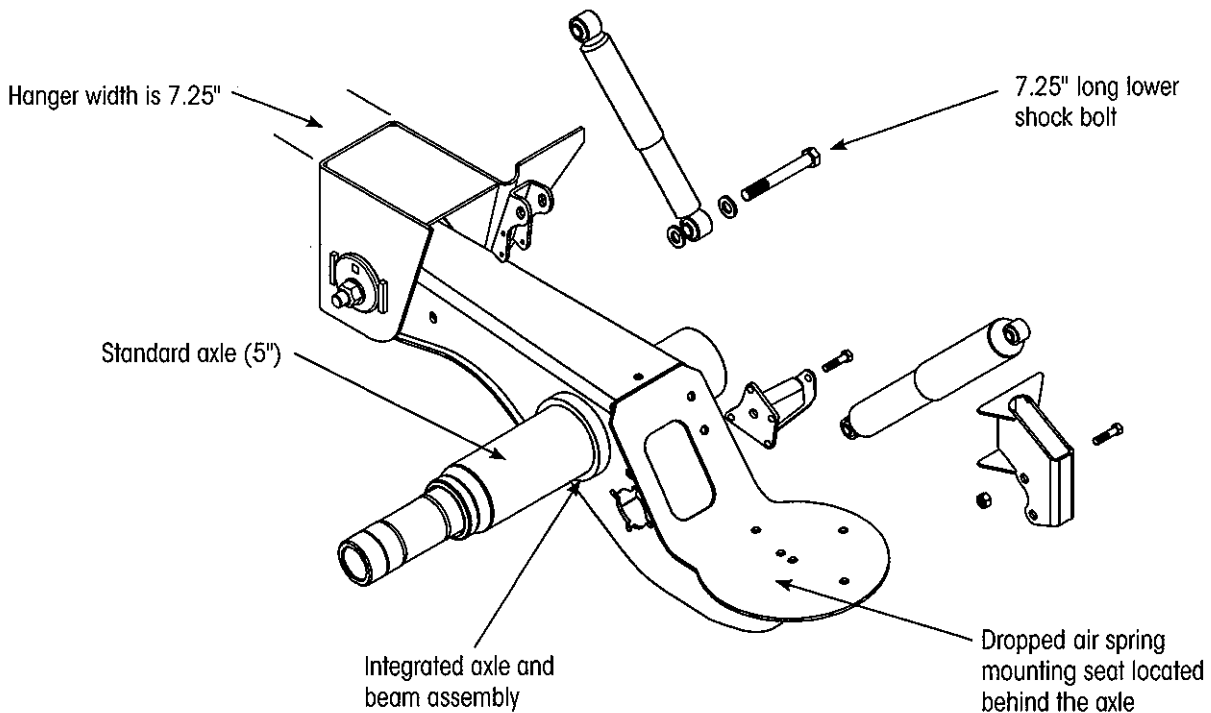
INTRAAX Extreme-Duty Top-Mount

• AAEDT 30K



INTRAAX Extreme Duty Low-Ride /Liftable

• AAEDL 30K



Call your trailer dealer or 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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Hendrickson Mexicana

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