

TECHNICAL PROCEDURE

TRAILER SUSPENSION SYSTEMS

SUBJECT: Torque Specifications

LIT NO: B31

DATE: November 2020

REVISION: N

Use this information when installing the fasteners covered below.

TRAILER SUSPENSION BOLT TORQUE VALUES¹

COMPONENT DESCRIPTION	FT. LBS.	Nm
ADB Bolt-on Dust Shield hardware (for mounting to torque plate)	15±3	21±3
Air Spring Bolts, Lower	45±5	61±6
Air Spring Nut, Lower	58±2	79±2
Air Spring Nuts, Upper (¾ inch)	90±10	125±10
Air Spring Nuts, Upper (½ inch)	45±5	61±6
Body Rail Clip Bolt	100±10	135±12
Brake Chamber Mounting Nut ²	138±7 ²	187±9 ²
Down Stop Bumper	58±2	79±2
Frame Bracket bolt-on strut/bracing fasteners	190±20	258±27
Hubcap Mounting Bolts	15±3	21±3
Lift Mechanism Air Spring, Actuator (¾ inch)	50±5	70±4
Lift Mechanism Air Spring, Actuator (⅝ inch)	18±2	25±2
QUIK-ALIGN® Pivot Connection	550±45	750±50
S-cam Support Bearing Mounting Nuts	40±5	55±6
Shock Bolts	225±10	300±10
U-bolts (HT Series)	500±25	680±30
Welded Pivot Connection (1 ⅛ inches)	800±25	1085±30
ULTRAA-K® Upper Down Stop Mounting Bolts (<i>For lower bolt, see Shock Bolts</i>)	90±10	125±10
COMPONENT DESCRIPTION	IN. LBS.	Nm
ABS Bracket Bolt and Nut (INTRAAX® prior to November 2002)	90±10	10±1
Disc Brake Dust Shield Clamp, ½ inch wide band	60±10	7±1
Disc Brake Dust Shield Clamp, ⅝ inch wide band	90±10	10±1
Drum Brake Dust Shield Clamp	110±15	13±1
Height Control Valve Mounting	70±10	8±1

¹ Torque values in this table are for fasteners as supplied by Hendrickson Trailer Commercial Vehicle Systems.
² Hendrickson recommended torque value. Contact component manufacturer for more specifications.

CAUTION DO NOT apply anti-seize compound or additional lubricant to pivot connection hardware. This can lead to overtightened fasteners, unpredictable pivot connection clamp loads and unreliable axle alignments. Reference *L579 Alignment Procedures*.

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

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



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