



Item	Description: Parts	Cush P/N:	Qty	Hendrickson
<b>1</b>	<b>Beam Assembly</b>			Cross-Over Parts
1a	Roadside (LH) Beam for U-Bolt & Weld-on axle mount	W0514-13	1	NA
1b	Curbside (RH) Beam for U-Bolt & Weld-on axle mount	W0514-14	1	NA
<b>2</b>	<b>Frame Bracket, Wingless, Weld-on (4.75")</b>			
2a	Roadside (LH) Hanger, Trak-Align, P=9" Tall Hanger	W0425-1	1	NA
2b	Curbside (RH) Hanger, Trak-Align, P=9" Tall Hanger	W0425-2	1	NA
<b>3</b>	<b>Pivot Bushing Kit (Per Hanger)</b>	K0334	2	S-24691 (2)
3a	Bushing, 6.75" Long 1.25"ID	C0052	1	
3b	Wear Washer, 0.25" thk	C0061	2	
3c	Washer 0.875" SAE Thru-Hard	H2101	1	
3d	AudiTorx HHCS 0.875"-9 UNC x 10"lg grd8	H0124	1	
3e	Nut, SecureLock Nut 0.875"-9 UNC	H1106	1	
3f	Bushing Insert, Reducer from 1.25" OD to 0.9"ID	T0063	2	
<b>4</b>	<b>Pivot Alignment Kit (Per Hanger)</b>	K0335	2	NA
4a	Alignment Washer, Eccentric w/Square Hole (Outer)	F0552	1	
4b	Alignment Gear, Fixture/Bearing Plate (Inner)	F0626	1	
<b>5</b>	<b>Spacer Assembly, Top of Air Spring for 250T style</b>			
5a	1" Tall spacer Weld-on Plate	W0516-1	2	C-21210-4 (2)
<b>Optional Ala'carte Parts</b>		<b>Cush P/N:</b>	<b>Qty</b>	<b>Hendrickson</b>
<b>6</b>	<b>Shock 16"Max/ 11"Min (Gabriel#85064)</b>	C0226	2	S-23649 (2)
<b>7</b>	<b>Air Spring, (GY 1R12-467/ Conti 9-10-19.5-A801/Firestone #9580)</b>	C0060	2	S-20127 (2)
<b>8</b>	<b>Kit, Hardware Shock / Air Spring Mounting</b>	K0353	1	NA
8a	HHCS, 0.75-10unc x 3.0"lg, Grd 5	H0215	4	
8b	Nut, Top-lock, 0.75-10unc, grd C	H1201	4	
8c	HHCS, Flangelock 0.5-13UNC x 1"	H0304	6	
8d	L'Nut, Nylock 0.75-16UNF	H1202	2	
<b>9</b>	<b>Axle Kit, Tapered U-Bolt w/ Nuts &amp; Washers</b>	K0338	4	S-21140/ 4 (4)
9a	Tapered U-Bolt, 7/8"-14UNF x 5" Round x 7.75" lg Gr 8	HU107	1	
9b	Nut, 7/8"-14 UNF, Grd 8 Plain	H1108	2	
9c	Washer 0.875" SAE Thru-Hard	H2101	2	
<b>Add-On Options</b>		<b>Cush P/N:</b>	<b>Qty</b>	<b>Hendrickson</b>
"-C"	Rebound Limiter, Chain Shock restraint limiter kit	K0180	1	
"-LV"	Dual air spring lift kit w/Air control Valve for 1 axle lift	CAL-20-LV	1	NA
"-NS"	Rebound Limiter, Nylon Shock strap kit A=14.3" (no clevis)	K2-C0226	1	C-23086-5 (1)
"-TC"	Addable Weld-on for bolt on hanger top plate w/gussets	K0181	1	
"-X41"	Cross-Member 41" Long C4 x 5.4#/ft ("B"=35")	C0224-41	1	A-1631-19 (1)
"-X48"	Cross-Member 48" Long C4 x 5.4#/ft ("B"=41")	C0224-48	1	NA
"-SH"	Shock Heavy-duty @ 15.8"Max/10.8"Min (Gabriel#85938)	C0296	2	S-23743 (2)
"-VS"	Height Control Valve Kit: Valve, Linkage, PPV for 1 trailer	ACK-0070	1	VS-227+

Customer to torque all fasteners!				Min.	Bolt	(Ft*Lbs)		(Nm)		
Qty/Kit	Type	Fastener Specs / Suspension Use	Size	Thread	Grade	Length	Min.	Max.	Min	Max.
8	Bolt	Serr Flange, Zinc / Air Spring Bottom	1/2	13-UNC	5	1"	40	50	54	68
4	L'Nut	NyLock, Zinc / Air Spring Top	3/4	16-UNF	B		40	50	54	68
4	L'Nut	TopLock, Zinc / Shock Mount	3/4	10-UNC	B		210	235	285	319
4	Bolt	HHCS, Zinc / Shock Mount	3/4	10-UNC	5	3"	210	235	285	319
8	Nut	(25K) U-Bolt Nut, in Sequence	7/8	14-UNF	8/C		475	525	644	712
2	L'Nut	Shear Auditorx Pivot Bolt or Torque Nut	7/8	9-UNC	8/C		550	600	746	813

**E-20 AudiTorx (E-20) Installation & Inspection Notes:**

- Required Materials: E-20 Torx socket, 1-5/16" nut wrench, Air Impact wrench capable of 600 ft\*lbs (813 N\*m) Minimum, alignment tools.
- If a Torx E-20 socket is not available, torque bolt nut per 7/8" Grade 8 spec (550-600ft\*lbs)
- DO NOT APPLY undercoating to the suspension hanger area until after axle alignment and pivot to torque has been applied.
- Cush does not recommend reuse of pivot fastener hardware once the pivot connection is disassembled, use a new bolt and nut.
- Check for proper tire clearance with fastener hardware. The AudiTorx bolt should be installed from the inboard side of the frame hanger to allow access with an air impact when tires are on, if tire clearance is an issue with fastener hardware, then the shear-type bolt head should be installed from the outboard side.
- NOTE: Check for any flashing or obstructions to cause the bearing washers to be raised and not allow flush mounting against the hanger sides (gear or eccentric type).
- Check proper axle alignment, see installation manual for instructions on alignment.
- Snug the pivot fasteners so that the alignment washers do not move while applying initial torque, recheck alignment.
- Torque the shear-type pivot bolt with the E-20 Torx drive socket tool until the bolt's Torx head shears off.
- The E-20 Torx drive socket should fully engage the Torx shear head before and while applying torque.
- Apply paint to the sheared away Torx area as a rust preventative.

DRAFTSMAN: JMK	1/08/09	PART LIST INSTALLATION SHEET		CUSH CORP
CHECKED:		Cush Topmount u-Bolt Highlift Beam		
RELEASED:		25,000# Gross Suspension Weight Rating		NIXA, MO, USA www.cushcorp.com
WEIGHT: 360#		15" RIDE HEIGHT (Front mount shock)		
MATERIAL: SEE PART DWGS.		WINGLESS Weld-on Frame Hanger		
TOLERANCE UNLESS OTHERWISE STATED: X = +/- .12 .XX = +/- .062 XXX = +/- .031 ANGLES = +/- 1°		EON	DATE	REV
PROJECT NO: 08149	SHEET 2 OF 2	SCALE: A-SIZE B-SIZE 1:8 D-SIZE 1:4	THIS REV: B	
PART/DRAWING NO: CT250TB-015				