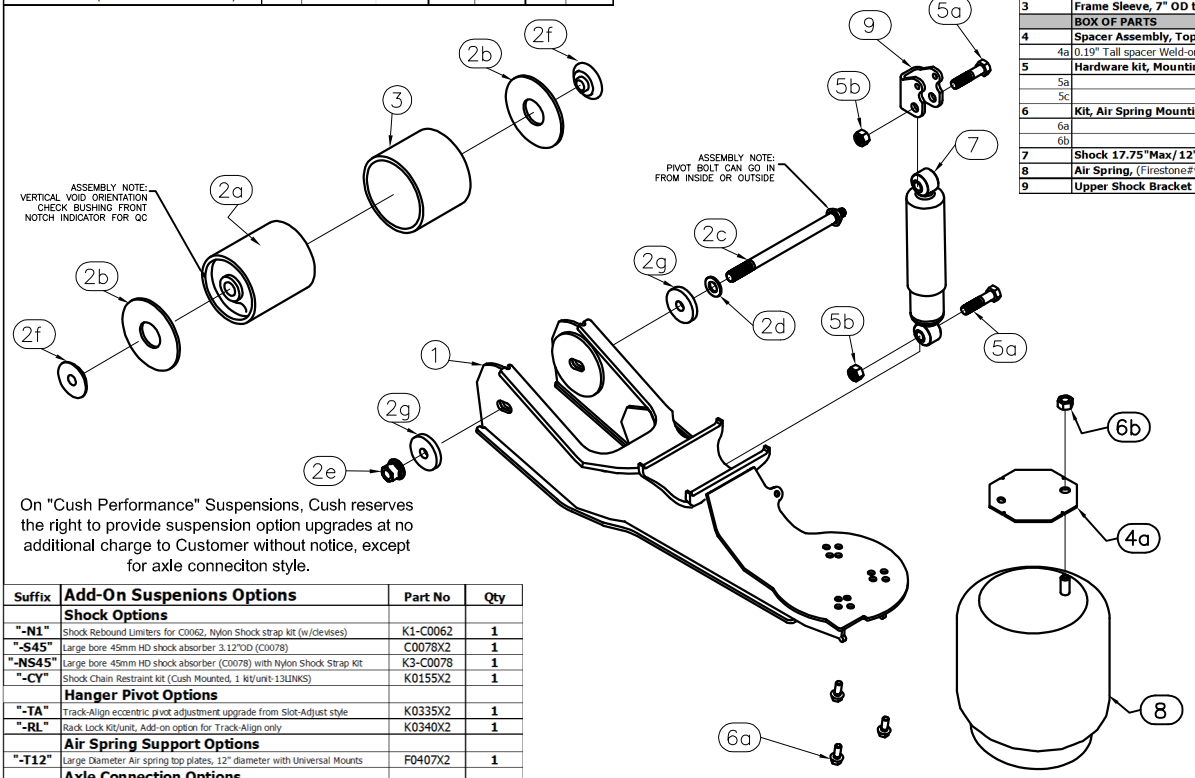
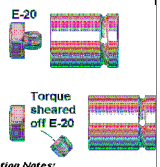
Fastener Torque Specs	Size	Thread	Grade	(Ft*Lbs) Min.	(Ft*Lbs) Max.	(Nm) Min	(Nm) Max.
Air Spring Bottom Mount Bolt	1/2	13-UNC	5/B	**40**	**50**	*54*	*68*
TRAC-ALIGN Rack Lock Bolt	1/2	13-UNC	5/B	**25**	**35**	*34*	*47*
Air Spring Top Mount Nut	3/4	16-UNF	5/B	**40**	**50**	*54*	*68*
Shock Mount Nut/Bolt	3/4	10-UNC	5/B	**210**	**235**	*285*	*319*
(25K) U-Bolt Nut	7/8	14-UNF	8/C	**475**	**525**	*644*	*712*
Pivot Nut (SecureLok/Securex)	7/8	9-UNC	8/C	**550**	**600**	*746*	*813*



Item	Description	Part Number	Qty
1	**Yoke Beam Assembly w/ Trac-Align**		
1a	Roadside (LH) Beam for 5"rd Weld-on mount Performance Beam	**W0312-1**	**1**
1b	Curbside (RH) Beam for 5"rd Weld-on mount Performance Beam	**W0312-2**	**1**
2	**Pivot Bushing Kit (Per Hanger)** *(Hendrickson Similar: A-13136)*	**K0345P**	**2**
2a	Sleeve & C0052 Bushing, 6.75" Long 1.25"ID, Sleeve 6.2"OD x 7" LG	AT0031	1
2b	Wear Washer, 0.25" thk	C0061	2
2c	AudiTorx HHCS 0.875"-9 UNC x 12"lg grd8	H0125T	1
2d	7/8" SAE Hardened Washer	C0003	2
2e	Nut, SecureLok Nut 0.875"-9 UNC	H1106	1
2f	Spacer Insert/Bush Double Step from 1.25" ID to 0.9"ID	C0003	2
2g	Round Alignment Gear, Fixture/Bearing Plate (Inner)	F0626	2
3	**Frame Sleeve, 7" OD tube x 6.25"ID x 6.25"ID, Weld-in**	**T0032**	**2**
	BOX OF PARTS	-	**Qty/Box**
4	**Spacer Assembly, Top of Air Spring**		
4a	0.19" Tall spacer Weld-on Plate, Octagon	**F0790**	**2**
5	**Hardware kit, Mounting for Shocks**	**K0010-2**	**2**
5a	HHCS, 0.75-10unc x 3.25"lg, Grd 5	H0204	2
5c	Nut, Top-lock, 0.75-10unc, grd C	H1201	2
6	**Kit, Air Spring Mounting**	**K0054**	**1**
6a	HHCS, Flangelock 0.5-13UNC x 1"	H0304	6
6b	L'Nut, Nylock 0.75-16UNF	H1202	2
7	**Shock 17.75"Max/12"Min** (Gabriel #**85000**)	**C0062-G**	**2**
8	**Air Spring,** (Firestone#**9580**/CV#1R12-467/Conti#1010-21P434)	**C0060-F**	**2**
9	**Upper Shock Bracket Mtg w/Chain lug, 1.75" Inside**	**B0563**	**2**

On "Cush Performance" Suspensions, Cush reserves the right to provide suspension option upgrades at no additional charge to Customer without notice, except for axle conneciton style.

Suffix	Add-On Suspenions Options	Part No	Qty
	Shock Options		
"-N1"	Shock Rebound Limiters for C0062, Nylon Shock strap kit (w/clevises)	K1-C0062	**1**
"-S45"	Large bore 45mm HD shock absorber 3.12"OD (C0078)	C0078X2	**1**
"-NS45"	Large bore 45mm HD shock absorber (C0078) with Nylon Shock Strap Kit	K3-C0078	**1**
"-CY"	Shock Chain Restraint kit (Cush Mounted, 1 kit/unit-13LINKS)	K0155X2	**1**
	Hanger Pivot Options		
"-TA"	Track-Align eccentric pivot adjustment upgrade from Slot-Adjust style	K0335X2	**1**
"-RL"	Rack Lock Kit/unit, Add-on option for Track-Align only	K0340X2	**1**
	Air Spring Support Options		
"-T12"	Large Diameter Air spring top plates, 12" diameter with Universal Mounts	F0407X2	**1**
	Axle Connection Options		
"-I"	Cush integrated suspension and std axle seat	A0001-2	**1**
"-UBH"	Outside U-Bolt kit Halfseat (1 u-bolt/beam), customer integrated axle		**1**
"-UB"	Full U-Bolt kit Axle Seat (2 u-bolts/beam), customer integrated axle		**1**



AudiTorx (E-20) Installation & Inspection Notes:

- Required Materials: 7/8" hex socket, 1/2" air wrench. Air impact wrench capable of at least 475 ft/lbs of torque. Minimum 1/2" drive socket set.
  If a Torx E-20 socket is not available, torque bolt nut per 7/8" Grade 5 specs (550 ft/lbs).
  DO NOT APPLY OIL to threads of bolt or to nylon insert of nut. Anti-seize, oil, or any metal and lubricated threads will cause inaccurate torque readings.
- Check for proper hole alignment. Insert pivot bushing from both sides of hanger. Insert bolt from inboard side of the frame hanger. If bolt passes easily through bushing and there is little clearance (3 mm) or less with fastener hardware, then hole/bushing alignment is good. If bolt does not pass through bushing, or requires excessive force, then hole/bushing alignment is poor. Hanger should be installed so that the outboard side of the frame hanger bushing access hole is on the inboard side of the hanger. Bushing access hole must be accessible with an impact socket. Insert bolt from inboard side of the frame hanger. If bolt passes easily through bushing and there is little clearance (3 mm) or less with fastener hardware, then hole/bushing alignment is good. If bolt does not pass through bushing, or requires excessive force, then hole/bushing alignment is poor. Hanger should be installed so that the outboard side of the frame hanger bushing access hole is on the inboard side of the hanger. Bushing access hole must be accessible with an impact socket. Insert bolt from inboard side of the frame hanger. If bolt passes easily through bushing and there is little clearance (3 mm) or less with fastener hardware, then hole/bushing alignment is good. If bolt does not pass through bushing, or requires excessive force, then hole/bushing alignment is poor. Hanger should be installed so that the outboard side of the frame hanger bushing access hole is on the inboard side of the hanger. Bushing access hole must be accessible with an impact socket.
  NOTE: Check for any frame or component interference with the AudiTorx bolt head. Grind as necessary to allow for installation of the bolt head. Do not grind more than necessary to allow for installation of the bolt head. Do not grind on any load bearing surfaces of the frame or components.
- Check proper axle alignment. See Installation manual for instructions on alignment.
  Using the provided fasteners, install the alignment washers on the inner side of the upper U-bolt to gain rear track alignment.
  Torque the rear upper U-bolt nuts to 1,475 ft-lbs (this value was determined through testing and is the maximum torque value that can be applied to the U-bolt without damaging the threads).
  Apply grease to the threads and nut face of the upper U-bolt nuts.
  Upper U-bolt nuts should be installed with the washers between the U-bolt and the nut. Lower U-bolt nuts should be installed without washers between the U-bolt and the nut.
  The 1,475 ft-lbs torque value should only be used for the upper U-bolt nuts and not for any other fasteners or installation purposes.
  Apply grease to the threads and nut face of the upper U-bolt nuts.
  Upper U-bolt nuts should be installed with the washers between the U-bolt and the nut. Lower U-bolt nuts should be installed without washers between the U-bolt and the nut.
  The 1,475 ft-lbs torque value should only be used for the upper U-bolt nuts and not for any other fasteners or installation purposes.

DRAWN:	jmk	6/10/08	
CHECKED:	.	.	
RELEASED:	.	.	
WEIGHT:	N/A		
MATERIAL:	SEE PART SHEET		

TITLE: PART LIST INSTALLATION SHEET
Cush Performance Yoke
25,000# Gross Weight Rating
6"-9" Nominal Ride Height

TOLERANCE UNLESS OTHERWISE STATED:
.X = +/- .12
.XX = +/- .030
.XXX = +/- .005
ANGLES = +/- 1°

ECN	BY	DATE	REV

SHEET 2 OF 2 | SCALE: A-SIZE: NTS, B-SIZE, D-SIZE | REV: . | PART/DRAWING NO: CP25Y09

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