

006389.idw, 10/30/2014 8:08:13 AM, Fit to Page

REVISION HISTORY					
ZONE	REV	DESCRIPTION	DATE	ECO	REV BY
ALL	1	CROSSBRACE CONVERTED TO 4" TUBE	11/14/05	H3101	TWH
D1,2	2	REVISED CROSS BRACE & LOCATION	3/3/2006	H3261	TWH
A3	3	ADDED TORQUE DATA	11/2/2007	H4165	TWH
E3	4	009189 A/S LIFT WAS 005360	2/20/09	09-0087	KDM
F6	5	ADD WELD CALLOUT	2/12/2010	10-0106	SAM

UNLESS OTHERWISE NOTED
TOLERANCES ARE:
X: +/- .1
XX: +/- .06
XXX: +/- .030
ANGULAR: +/- .5
TORQUE: +10%/-0%

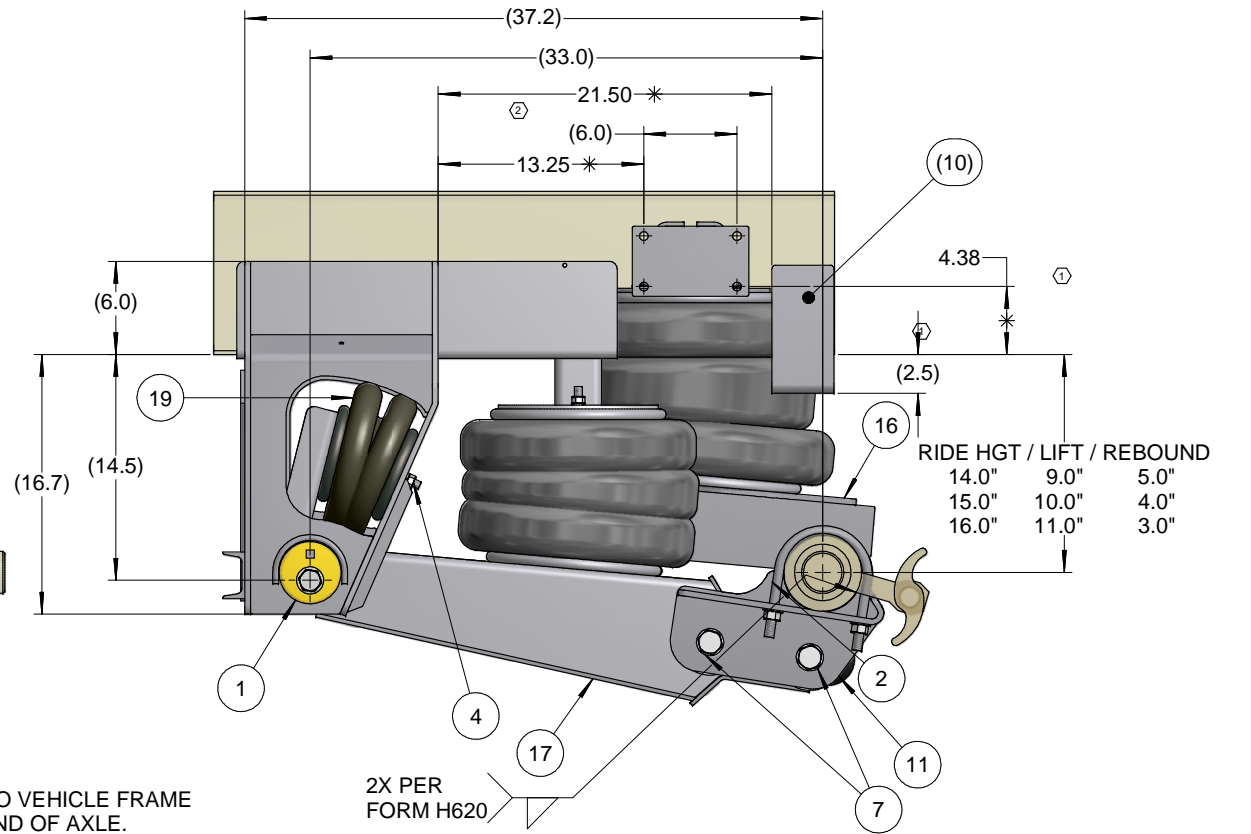
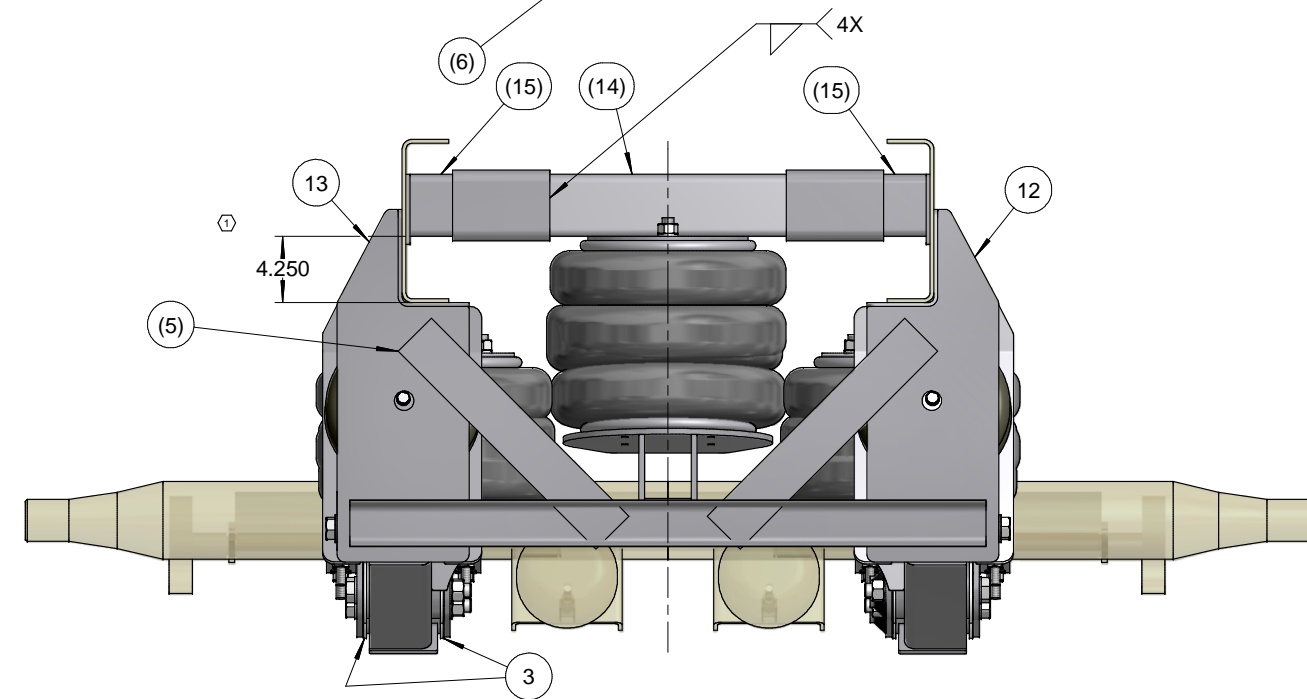
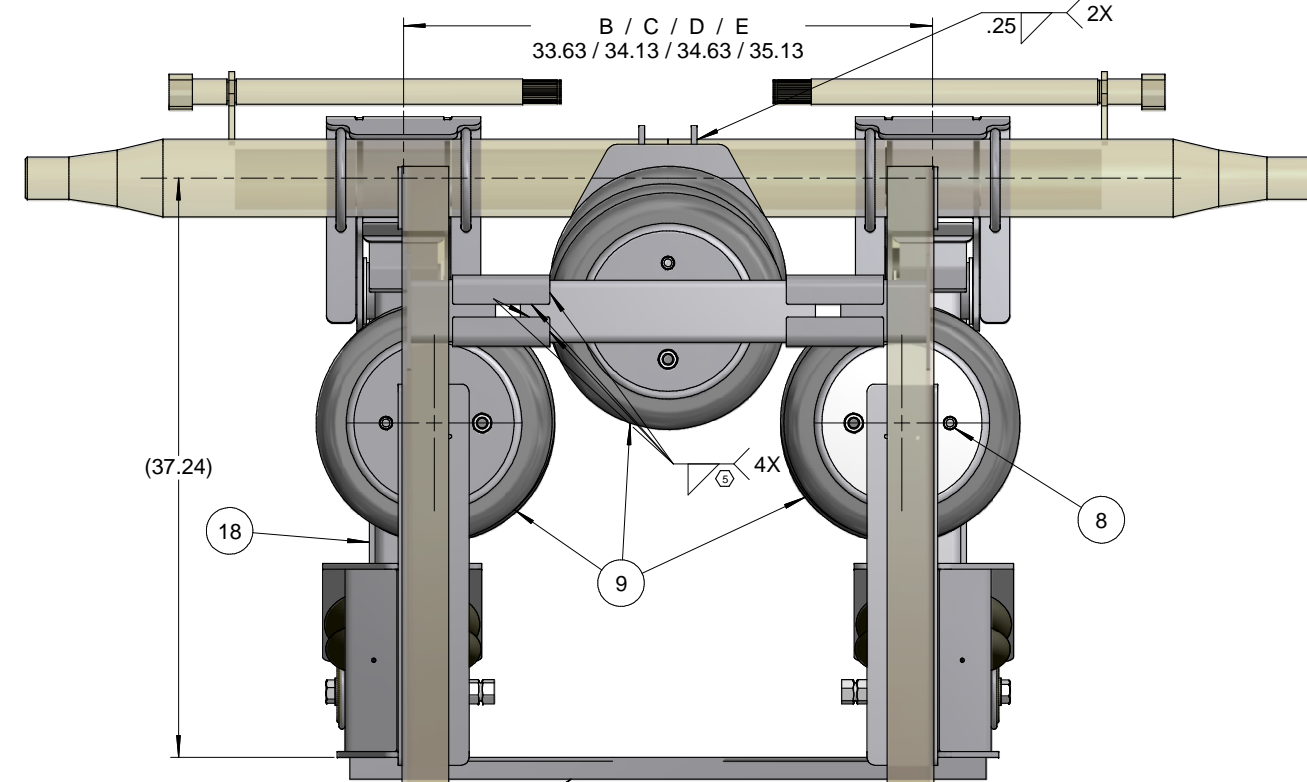
DRAWN BY: HOTTLE
DATE: 6/28/2005
CHECKED BY: DANKOW
APPROVED BY: DANKOW
MODIFIED BY: MASSA
DATE: 2/12/2010

DRAWING No. **006389** REVISION **5**

ECN No. 10-0106 SIZE E SCALE .25=1.0

TITLE **SUSPENSION ASSY, 16.0" HLR3 16K**

WELDS CONFORM TO AWS D1.1 PAGE 1 OF 1



BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	A-21116	PIVOT BOLT KIT, QUIK-ALIGN	2
2	A-7195	AXLE U-BOLT KIT	4
3	B-14495	WEAR PAD	12
4	001358	AIR SPRING BOLT KIT	2
(5)	002519-319	.25" X3"X18" TAB. PLT	2
(6)	002948-19	3" C-CHANNEL X 41"	1
7	004543	PIVOT BOLT KIT	4
8	004685	AIR SPRING BOLT KIT	3
9	004828	AIR SPRING, RIDE	3
(10)	005365	AXLE STOP	2
11	006365	AXLE SEAT WELDMENT	2
12	006372-1	HANGER BRACKET WELD	1
13	006372-2	HANGER BRACKET WELD	1
(14)	006374	CROSS BRACE, INNER	1
(15)	006378	CROSS BRACE END WELD	2
16	006382	AIR SPRING BRACKET	1
17	006388-1	BEAM ASSY, HLR3 16K	1
18	006388-2	BEAM ASSY, HLR3 16K	1
(4)	009189	AIR SPRING (LIFT)	2

CLEARANCE SPECIFICATIONS

- 2.0 INCHES MINIMUM REQUIRED BETWEEN TOP OF TIRE AND TRUCK STRUCTURE WITH AXLE AT FULL JOUNCE/LIFT.
- 2.0 INCHES MINIMUM REQUIRED BETWEEN INSIDE OF TIRE AND TRUCK STRUCTURE FOR LATERAL MOVMENT
- 1.0 INCHES MINIMUM CLEARANCE MUST BE MAINTAINED ALL AROUND AIR SPRING WHEN IT IS AT MAX. DIAMETER
- 1.0 INCHES MINIMUM CLEARANCE MUST BE MAINTAINED AROUND DRIVE SHAFT IN WORST CASE CONDITION (DRIVE AXLE IN FULL JOUNCE/LIFT)
- CLEARANCE AROUND THE BRAKE IS THE CUSTOMER'S RESPONSIBILITY. HAUX IS NOT RESPONSIBLE FOR ANY INTERFERENCE IN THIS AREA.

INSTALLATION PROCEDURES

- POSITION AXLE AT RIDE HEIGHT PARALLEL TO VEHICLE FRAME RIDE HEIGHT MUST BE WITHIN 1/8" END TO END OF AXLE.
- WELD AXLE TO BEAM ASSEMBLY PER FORM H620.
- INSTALL U-BOLTS AND TORQUE TO 475 FT/LBS.
- TO ALIGN AXLE MOVE THE BEAM ASSEMBLY FORE OR AFT AS REQUIRED. (SEE FORM 621 FOR ALXE ALIGNMENT PROCEDURE)

NOTES:

- SUSPENSION CAPACITY: 16,000 LBS.
- WEIGHT AS SHOWN: 625 LBS.
- IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE PROPER VEHICLE FRAME DESIGN IN THE AREA OF SUSPENSION ATTACHMENT
- ITEMS (5) AND (6) ARE LISTED UNDER THE MODEL NUMBER
- ITEMS (10), (14), AND (15) ARE IN PARTS BOX. PARTS BOX IS LISTED UNDER MODEL NUMBER
- TORQUE FASTENERS PER HAES 9000-004
- * DENOTES AS INSTALLED DIMENSION