

COMPOSILITE® EXS 20 STEERABLE SUSPENSION SYSTEMS

LIT NO: H892

REV: B

DATE: April 2025

Parts List H892 is intended to help you find commonly required aftermarket parts and aftermarket parts kits for COMPOSILITE® EXS Steerable Auxiliary Lift Axle Suspension Systems (20K).

For assistance with replacement axle weldments, seat kits and stabilizer brackets, please contact Hendrickson Customer Service: 1-800-660-2829 — liftaxle@hendrickson-intl.com.



Click this graphic throughout the document to return to Table of Contents:



Always Use Hendrickson Genuine Parts for the Best Quality in the Industry.

Click on the logo below to register for an account for Hendrickson's Parts+ Lookup System:





Table of Contents: Parts and Parts Kits

Section 1	Tie Rod Assemblies.....	3
Section 2	Brake Kits & Knuckle Hardware.....	4
Section 3	Backbones & Uppers (Steering Knuckle).....	5
Section 4	Side Rails & Saddles.....	6
Section 5	Dust Shields.....	7
Section 6	Pivot Bolt Kits, Bushing Kits & Trailing Arms.....	8
Section 7	Crossmembers.....	10
Section 8	Frame Bracket Weldments.....	11
Section 9	Air Springs & Upper Air Spring Plates.....	13
Section 10	Kingpin Kits.....	15
Section 11	Associated Drawings List.....	16

Note: The illustrations used throughout Parts List H892 are representational in nature and might not reflect the latest design changes, integrated components, and are not comprehensive in regard to all of the spare parts offered for specific suspension models and configurations. Please contact Hendrickson Customer Service for assistance: liftaxle@hendrickson-intl.com.

SECTION 1

TIE ROD ASSEMBLIES

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	DIMENSIONS
TIE RODS	2020-	20K	Standard Round-Tube Tie Rod, 64.58" KPI-KPI (Short Track)	1	R-015537-2100	Tie Rod Centers (1326-1467mm / 52.2"-57.7")
	2020-		Standard Round-Tube Tie Rod, 68.44" & 69.9" KPI-KPI (Standard Track)	1	R-015537-2000	Tie Rod Centers (1443-1584mm / 56.9"-62.3")
	2020-		Standard Round-Tube Tie Rod, 71.19" KPI-KPI (Wide Track)	1	R-015537-2200	Tie Rod Centers (1486-1627mm / 58.0"-64.0")
	2020-		Cotter Pin	2	R-001524-15	N/A



STANDARD ROUND-TUBE TIE ROD

SECTION 2

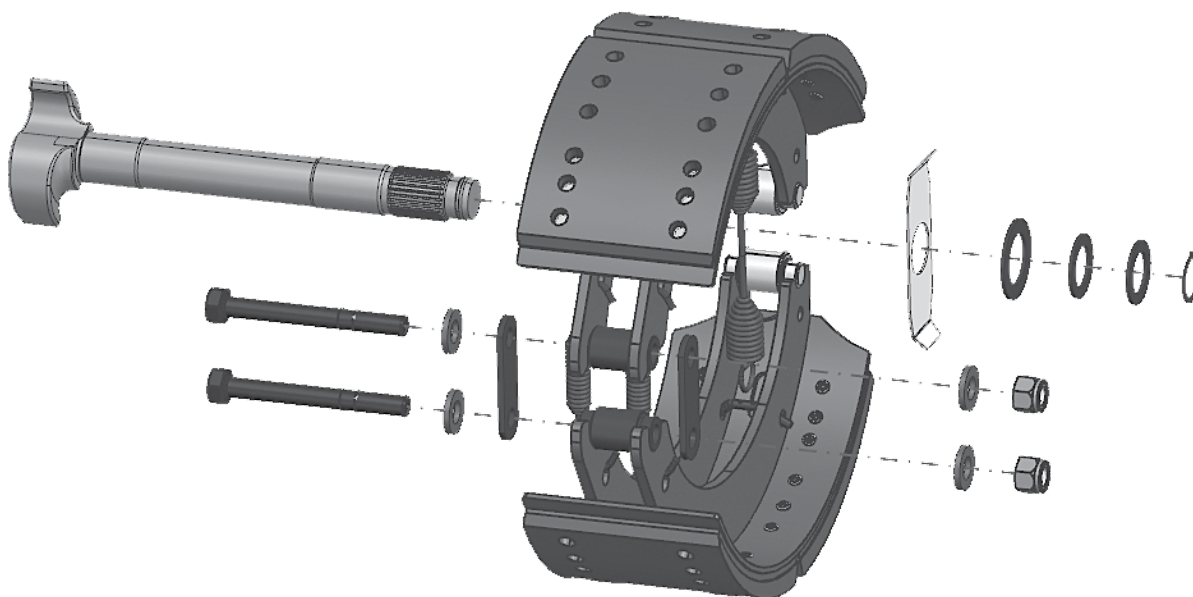
BRAKE KITS & KNUCKLE HARDWARE

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	Drawing #
BRAKE KITS	2020-	20K	16.5 X 6 Standard and Roll-Off, Forward	1	R-018443-1600	018443-1601
	2020-		16.5 X 6 Standard and Roll-Off, Forward w/ Dust Shields	1	R-018443-1700	018443-1701
	2020-		16.5 X 6 Roll-Off, Reverse	1	R-018443-2000	018443-2001
	2020-		16.5 X 6 Roll-Off, Reverse w/ Dust Shields	1	R-018443-2100	018443-2101
	2020-		Air Disc (BENDIX, T18 Chamber Size)	1	R-018443-3400	018443-0902
	2020-		Shoes and Springs	2	R-010997-A	010997
	2020-		Shoes, Springs and Hardware	2	R-010997-B	010997

TABLE 2:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	Drawing #
KNUCKLE ASSEMBLY HARDWARE KITS	2020-	20K	Knuckle Hardware Kit - Drum Brakes	1	R-018444-0700	018444-0701
	2020-		Knuckle Hardware Kit - Air Disc Brakes	1	R-018444-0800	018444-0801


BRAKE HARDWARE KIT FOR INTEGRATED BACKBONE

SECTION 3

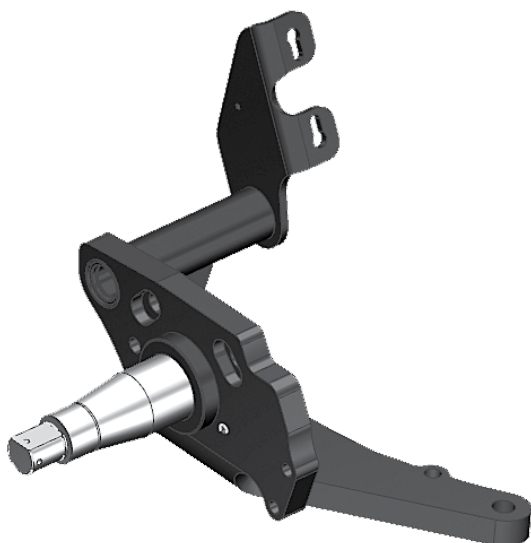
BACKBONES & UPPERS (STEERING KNUCKLE)

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
BACKBONES	2020-	20K	Fabricated - Standard (LH)	1	R-011707-1
	2020-		Fabricated - Standard (RH)	1	R-011707-2
	2020-		Fabricated - Brake Forward (205 Deg Alt.) (LH)	1	R-018459-01
	2020-		Fabricated - Brake Forward (205 Deg Alt.) (RH)	1	R-018459-02
	2020-		Fabricated - Brake Rear (LH)	1	R-018277-01
	2020-		Fabricated - Brake Rear (RH)	1	R-018277-02
	2020-		Fabricated - Air Disc (LH)	1	R-015968-11
	2020-		Fabricated - Air Disc (RH)	1	R-015968-12

TABLE 2:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
UPPERS	2020-	20K	Fabricated, Drum Brakes (LH)	1	R-009957
	2020-		Fabricated, Drum Brakes (RH)	1	
	2020-		Fabricated, Air Disc Brakes (LH)	1	R-014223-1
	2020-		Fabricated, Air Disc Brakes (RH)	1	R-014223-2



BACKBONE



UPPER



SECTION 4

SIDE RAILS & SADDLES

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
SIDE RAILS	2020-	20K	Standard - Truck and Side Mount Trailer (LH)	1	R-017559-0101
	2020-		Standard - Truck and Side Mount Trailer (RH)	1	R-017559-0102
	2020-		Plus 2" - Truck and Side Mount Trailer (LH)	1	R-018407-0201
	2020-		Plus 2" - Truck and Side Mount Trailer (RH)	1	R-018407-0202
	2020-		Standard w/ Hole Pattern - Truck and Side Mount Trailer (LH)	1	R-018487-0101
	2020-		Standard w/ Hole Pattern - Truck and Side Mount Trailer (RH)	1	R-018487-0102
	2020-		Plus 2" w/ Hole Pattern - Truck and Side Mount Trailer (LH)	1	R-020013-0201
	2020-		Plus 2" w/ Hole Pattern - Truck and Side Mount Trailer (RH)	1	R-020013-0202

TABLE 2:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
SADDLES	2020-	20K	Standard - Truck and Side Mount Trailer (LH)	1	R-018142-0101
	2020-		Standard - Truck and Side Mount Trailer (RH)	1	R-018142-0102
	2020-		Plus 2" - Truck and Side Mount Trailer (LH)	1	R-018142-0201
	2020-		Plus 2" - Truck and Side Mount Trailer (RH)	1	R-018142-0202

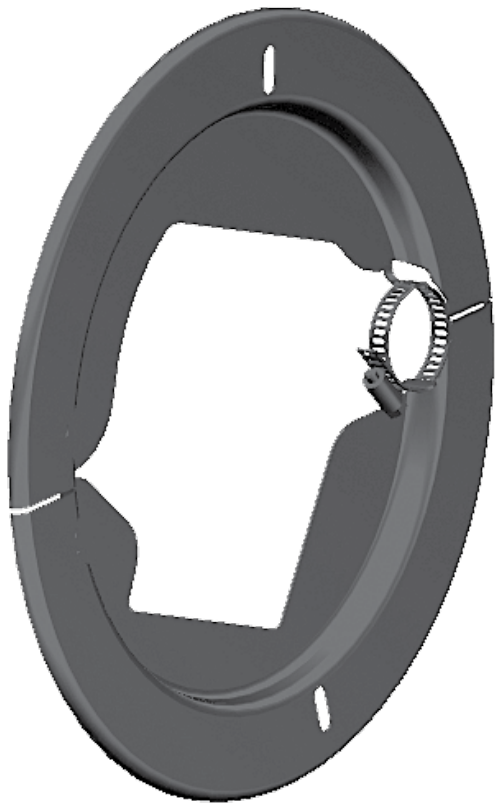
**SIDE RAIL****SADDLE**



SECTION 5
DUST SHIELDS

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	Drawing #
DUST SHIELD KIT	2020-	20K	Integrated Drum Brakes	1	R-010244	010244
	2020-		Disc Brakes	N/A	N/A	N/A



DUST SHIELD KIT



SECTION 6

PIVOT BOLT KITS, BUSHING KITS & TRAILING ARMS

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	Drawing #
PIVOT BOLT KITS	2020-	20K	Truck 33.5" Frame Width	1	R-018442-0100	018442-0105
	2020-		Truck 34.0" Frame Width and Side Mount Trailers			018442-0104
	2020-		Truck 34.5" Frame Width			018442-0106
	2020-		Truck 33.5" - 34.5" Adjustable Frame Width	1	R-018442-0400	018442-0402
	2020-		Truck 34.5" - 35.5" Adjustable Frame Width	1	R-018442-0300	018442-0302
	2020-		Truck Roll-Off 33.5" Frame Width	1	R-018442-0500	018442-0505
	2020-		Truck Roll-Off 34.0" Frame Width			018442-0504
	2020-		Truck Roll-Off 34.5" Frame Width			018442-0506
	2020-		Undermount Trailer	1	R-018442-0200	018442-0202
	2020-		Undermount Trailer, Inboard Vertical Shocks	1	R-018442-1000	018442-1001

TABLE 2:

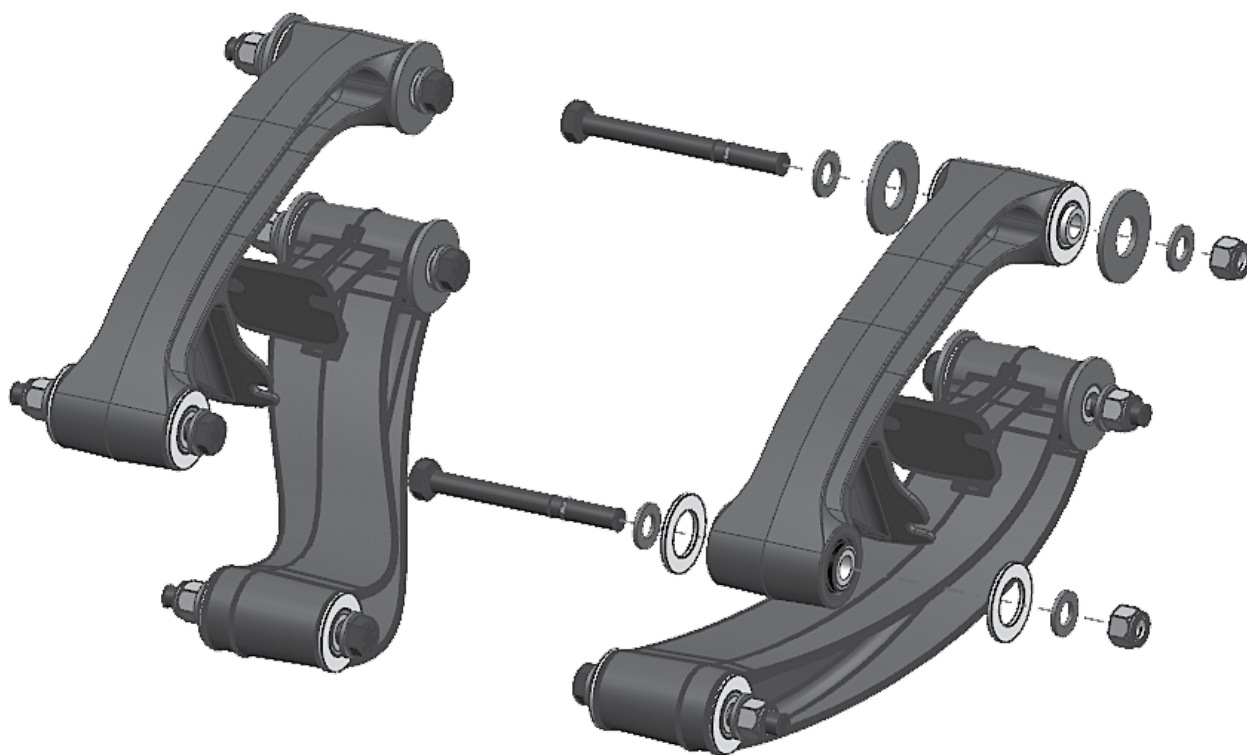
DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	Drawing #
PIVOT BOLT & BUSHING KITS	2020-	20K	Truck 33.5" Frame Width	1	R-020676-0100	020676-0000
	2020-		Truck 34.0" Frame Width and Side Mount Trailers			
	2020-		Truck 34.5" Frame Width			
	2020-		Truck 33.5" - 34.5" Adjustable Frame Width	1	R-020676-0400	
	2020-		Truck 34.5" - 35.5" Adjustable Frame Width	1	R-020676-0300	
	2020-		Roll-Off 33.5" Frame Width	1	R-020676-0500	
	2020-		Roll-Off 34.0" Frame Width			
	2020-		Roll-Off 34.5" Frame Width			
	2020-		Undermount Trailer	1	R-020676-0200	
	2020-		Undermount Trailer, Inboard Vertical Shocks	1	R-020676-1000	

SECTION 6 (Continued)

PIVOT BOLT KITS, BUSHING KITS & TRAILING ARMS

TABLE 3:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
TRAILING ARM & BUSHING ASSEMBLY	2020-	20K	Offset, Adjustable, Bottom Left: Truck Roll-Off and Side Mount Trailer	1	R-018049-01
	2020-		Offset, Adjustable, Bottom Right: Truck Roll-Off and Side Mount Trailer	1	R-018049-02
	2020-		Straight, Adjustable, Top: Truck Roll-Off and Side Mount Trailer	2	R-018219-01
	2020-		Offset, Non-Adjustable, Bottom Left: Undermount Trailer	1	R-018049-03
	2020-		Offset, Non-Adjustable, Bottom Right: Undermount Trailer	1	R-018049-04
	2020-		Straight, Non-Adjustable, Top: Undermount Trailer	2	R-018219-02



BEAMS AND PIVOT BOLTS



SECTION 7

CROSSMEMBERS

TABLE 1:

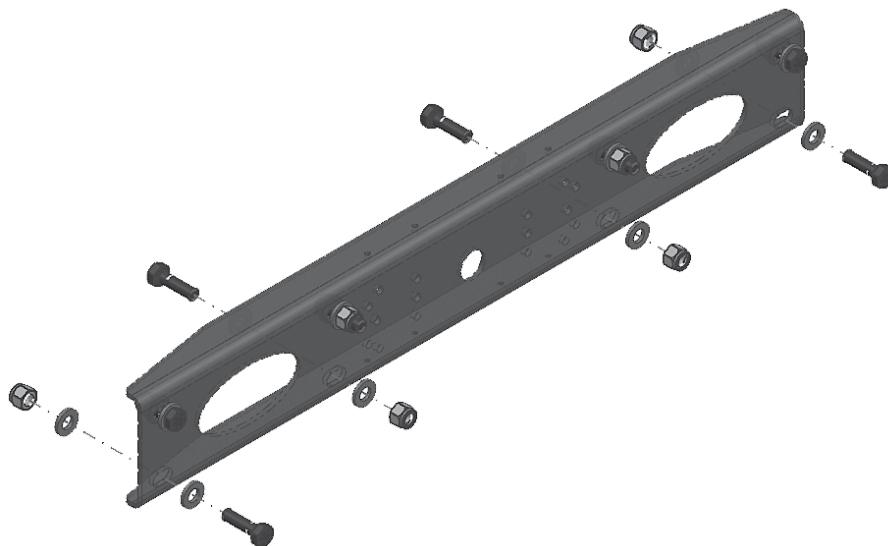
DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
CROSSMEMBERS (TRUCK)	2020-	20K	33.5" Frame Width	1	R-018619-0101
	2020-		34.0" Frame Width	1	R-018619-0201
	2020-		34.5" Frame Width	1	R-018619-0301
	2020-		Adjustable Frame Width (33.5"-34.5")	1	R-019014-01
	2020-		Adjustable Frame Width (34.5"-35.5")	1	R-018973-01

TABLE 2:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
CROSSMEMBERS (SIDE MOUNT TRAILER)	2020-	20K	35.0" Frame Width (29.0" Trailing Arm Center)	1	R-018619-0401
	2020-		36.0" Frame Width (30.0" Trailing Arm Center)	1	R-018619-0601
	2020-		37.0" Frame Width (31.0" Trailing Arm Center)	1	R-018619-0701
	2020-		38.0" Frame Width (32.0" Trailing Arm Center)	1	R-018619-0501
	2020-		39.0" Frame Width (33.0" Trailing Arm Center)	1	R-018619-0801
	2020-		40.0" Frame Width (34.0" Trailing Arm Center)	1	R-018619-0901
	2020-		41.0" Frame Width (35.0" Trailing Arm Center)	1	R-018619-1001
	2020-		42.0" Frame Width (36.0" Trailing Arm Center)	1	R-018619-1101
	2020-		43.0" Frame Width (37.0" Trailing Arm Center)	1	R-018619-1201
	2020-		44.0" Frame Width (38.0" Trailing Arm Center)	1	R-018619-1301

TABLE 3:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	DRAWING #
CROSSMEMBER HARDWARE KIT	2020-	20K	Crossmember Hardware Kit	1	R-018440-0100	018440-0101



CROSSMEMBER AND HARDWARE KIT

SECTION 8

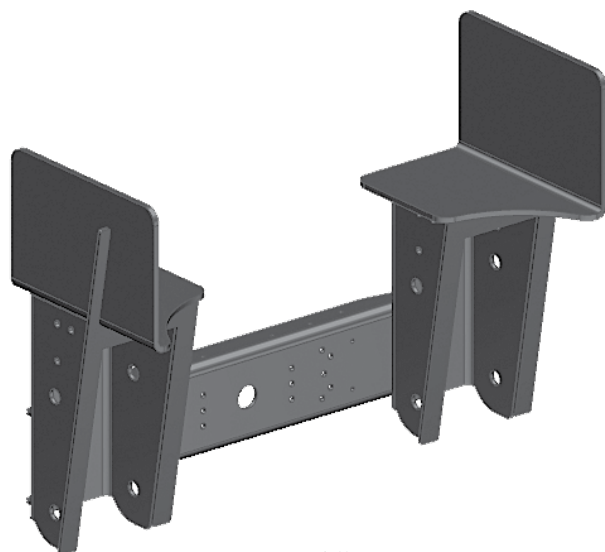
FRAME BRACKET WELDMENTS

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
ROLL-OFF	2020-	20K	Standard - 33.5" Frame Width	1	R-018852-01
	2020-		Standard - 34.0" Frame Width	1	R-018852-02
	2020-		Standard - 34.5" Frame Width	1	R-018852-03
	2020-		Plus 2" - 33.5" Frame Width	1	R-018967-01
	2020-		Plus 2" - 34.0" Frame Width	1	R-018967-02
	2020-		Plus 2" - 34.5" Frame Width	1	R-018967-03
	2020-				

TABLE 2:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
CROSSMEMBERS (SIDE MOUNT TRAILER)	2020-	20K	Weld-On - 34" Trailing Arm Center	1	R-019240-34
	2020-		Weld-On - 35" Trailing Arm Center	1	R-019240-35
	2020-		Weld-On - 36" Trailing Arm Center	1	R-019240-36
	2020-		Weld-On - 37" Trailing Arm Center	1	R-019240-37
	2020-		Weld-On - 38" Trailing Arm Center	1	R-019240-38
	2020-	20K	Pattern B - 34" Trailing Arm Center	1	R-019115-34
	2020-		Pattern B - 34" Trailing Arm Center, Galvanized	1	R-019115-52
	2020-		Pattern B - 35" Trailing Arm Center	1	R-019115-35
	2020-		Pattern B - 35" Trailing Arm Center, Galvanized	1	R-019115-53
	2020-		Pattern B - 36" Trailing Arm Center	1	R-019115-36
	2020-		Pattern B - 36" Trailing Arm Center, Galvanized	1	R-019115-54
	2020-		Pattern B - 37" Trailing Arm Center	1	R-019115-37
	2020-		Pattern B - 37" Trailing Arm Center, Galvanized	1	R-019115-55
	2020-		Pattern B - 38" Trailing Arm Center	1	R-019115-38
	2020-		Pattern B - 38" Trailing Arm Center, Galvanized	1	R-019115-50
	2020-	20K	Pattern J - 34" Trailing Arm Center	1	R-019126-34
	2020-		Pattern J - 34" Trailing Arm Center, Galvanized	1	R-019126-50
	2020-		Pattern J - 35" Trailing Arm Center	1	R-019126-35
	2020-		Pattern J - 35" Trailing Arm Center, Galvanized	1	R-019126-51
	2020-		Pattern J - 36" Trailing Arm Center	1	R-019126-36
	2020-		Pattern J - 36" Trailing Arm Center, Galvanized	1	R-019126-52
	2020-		Pattern J - 37" Trailing Arm Center	1	R-019126-37
	2020-		Pattern J - 37" Trailing Arm Center, Galvanized	1	R-019126-53
	2020-		Pattern J - 38" Trailing Arm Center	1	R-019126-38
	2020-		Pattern J - 38" Trailing Arm Center, Galvanized	1	R-019126-54



Roll-Off



Undermount Trailer

FRAME BRACKET WELDMENTS

SECTION 9

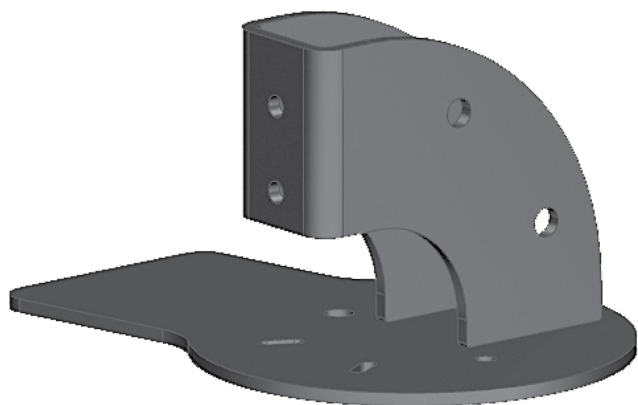
AIR SPRINGS & UPPER AIR SPRING PLATES

TABLE 1:

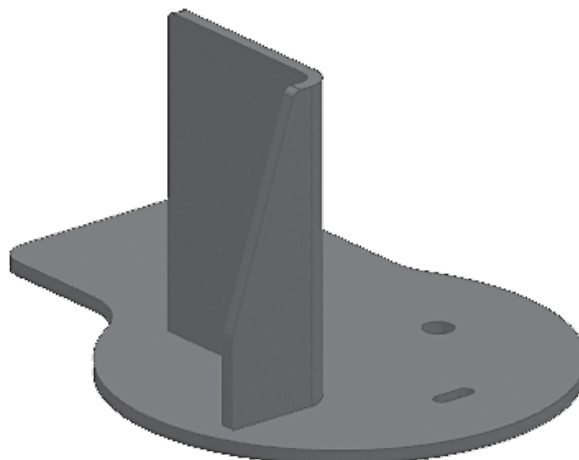
DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #	DRAWING #
RIDE SPRINGS, LIFT SPRINGS AND HARDWARE KITS	2020-	20K	Ride Spring, Truck Roll-Off and Side Mount Trailer	2	R-013046	See Hardware Kit Drawings
	2020-		Hardware Kit - Ride Spring (Truck and 35" - 38" Frame Width Side Mount Trailer)	1	R-018948-0100	018948-0101
	2020-		Hardware Kit - Ride Spring (Forward Roll-Off with Inboard-Mounted Hangers)			018948-0102
	2020-		Hardware Kit - Ride Spring (Forward Roll-Off with Inboard-Mounted Hangers)			018948-0103
	2020-		Hardware Kit - Ride Spring (Reverse Roll-Off with Outboard-Mounted Hangers)			018948-0104
	2020-		Hardware Kit - Ride Spring (Forward Roll-Off with Outboard-Mounted Hangers and 39"-44" Frame Width Side Mount Trailer)			018948-0105
	2020-		Ride Spring, Undermount Trailer	2	R-011690	018948-0201
	2020-		Hardware Kit - Ride Spring: Undermount Trailer	1	R-018948-0200	018948-0201
	2020-		Lift Spring	2	R-010214	See Hardware Kit Drawings
	2020-		Hardware Kit - Lift Spring (Towards Axle)	1	018439-0100	018948-0101
	2020-		Hardware Kit - Lift Spring (Towards Crossmember)			018948-0102

TABLE 2:

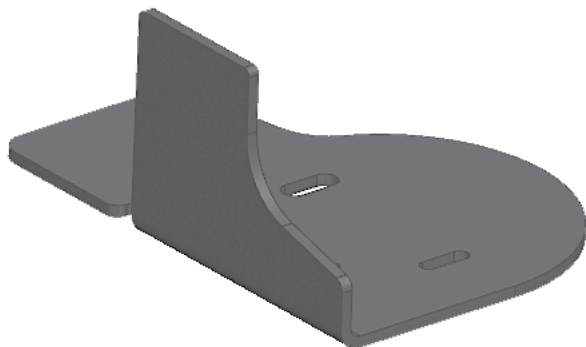
DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
UPPER AIR SPRING PLATES	2020-	20K	Truck Standard and Trailer Side Mount (LH)	1	R-018481-01
	2020-		Truck Standard and Trailer Side Mount (RH)	1	R-018481-02
	2020-		Truck Standard and Trailer Side Mount w / Holes (LH)	1	R-018799-01
	2020-		Truck Standard and Trailer Side Mount w / Holes (RH)	1	R-018799-02
	2020-		Truck 35.0" - 35.5" Frame Width (LH)	1	R-019658-01
	2020-		Truck 35.0" - 35.5" Frame Width (RH)	1	R-019658-02
	2020-		Truck 35.0" - 35.5" w / Holes (LH)	1	R-019668-01
	2020-		Truck 35.0" - 35.5" w / Holes (RH)	1	R-019668-02
	2020-		Inboard-Mount, Truck Roll-Off, Forward (LH)	1	R-019053-01
	2020-		Inboard-Mount, Truck Roll-Off, Forward (RH)	1	R-019053-02
	2020-		Inboard-Mount, Truck Roll-Off, Reverse (LH)	1	R-019164-01
	2020-		Inboard-Mount, Truck Roll-Off, Reverse (RH)	1	R-019164-02
	2020-		Outboard-Mount, Truck Roll-Off, and Trailer Side Mount (LH)	1	R-020070-01
	2020-		Outboard-Mount, Truck Roll-Off, and Trailer Side Mount (RH)	1	R-020070-02
	2020-		Outboard-Mount, Truck Roll-Off, and Trailer Side Mount w / Holes (LH)	1	R-020065-01
	2020-		Outboard-Mount, Truck Roll-Off, and Trailer Side Mount w / Holes (RH)	1	R-020065-02
	2020-		Trailer Undermount	2	R-018305-00
	2020-		Trailer Undermount, Galvanized	2	R-018305-11



Inboard Mount, Truck Roll-Off, Forward
Inboard Mount, Truck Roll-Off, Reverse



Truck Standard
Trailer Side Mount 35.0" - 38.0" Frame Width
Truck 35.0" - 35.5" Frame Width



Outboard Mount Truck Roll-Off
Trailer Side Mount 39.0" - 44.0" Frame Width



Trailer Undermount

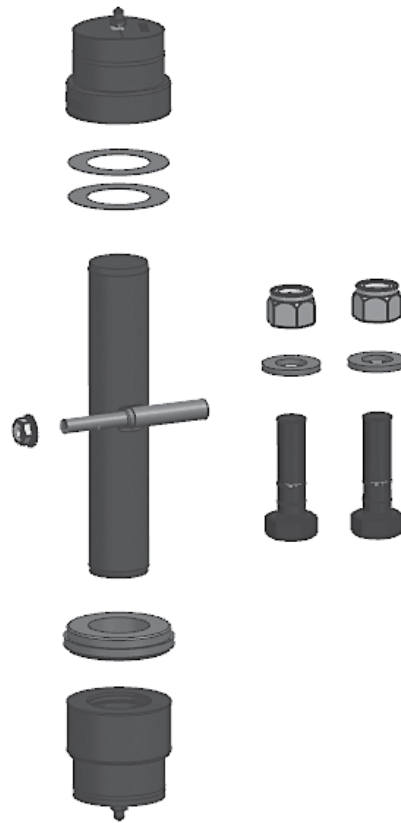
UPPER AIR SPRING PLATES

SECTION 10

KINGPIN KITS

TABLE 1:

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
KINGPIN KITS	2020-	20K	Kingpin Bushing Kit w/ Non-Grooved Kingpin	1	R-010300-5
	2020-		Kingpin Bushing Kit w/o Kingpin	1	R-010300-6
	2020-		Kingpin Bushing Kit w/ Grooved Kingpin	1	R-010300-7



KINGPIN AND BUSHING KIT



SECTION 11

ASSOCIATED DRAWINGS LIST

Clicking on an individual drawing number below will take you to that location in the document.

Section 1	Drawings: Tie Rod Assemblies & Kits: • See Separate Literature: H785
Section 2	Drawings: Brake Kits & Knuckle Hardware: • 018443-1601, 018443-1701, 018443-2001, 018443-2101, 018443-0902, 018444-0701, 018444-0801
Section 3	Drawings: Backbones & Uppers (Steering Knuckle): • See Section 3 (Image)
Section 4	Drawings: Side Rails & Saddles: • See Section 4 (Image)
Section 5	Drawings: Dust Shields: • 010244
Section 6	Drawings: Pivot Bolt Kits, Bushings Kits & Trailing Arms: • 018442-0105, 018442-0104, 018442-0106, 018442-0402, 018442-0302, 018442-0505, 018442-0504, 018442-0506, 018442-0202, 018442-1001, 020676-0000
Section 7	Drawings: Crossmembers: • 018440-0101
Section 8	Drawings: Frame Bracket Weldments: • See Section 8 (Image)
Section 9	Drawings: Air Springs & Upper Air Spring Plates: • 018948-0101, 018948-0102, 018948-0103, 018948-0104, 018948-0105, 018948-0201, 018439-0101, 018439-0102
Section 10	Drawings: Kingpin Kits: • See Section 10 (Image)

ITEM	PART NUMBER	DESCRIPTION	QTY
1	018443-1600	20K BRAKE KIT 16.5 X 6 - INTEGRATED BRAKE - WW301 LINING	1

G

F

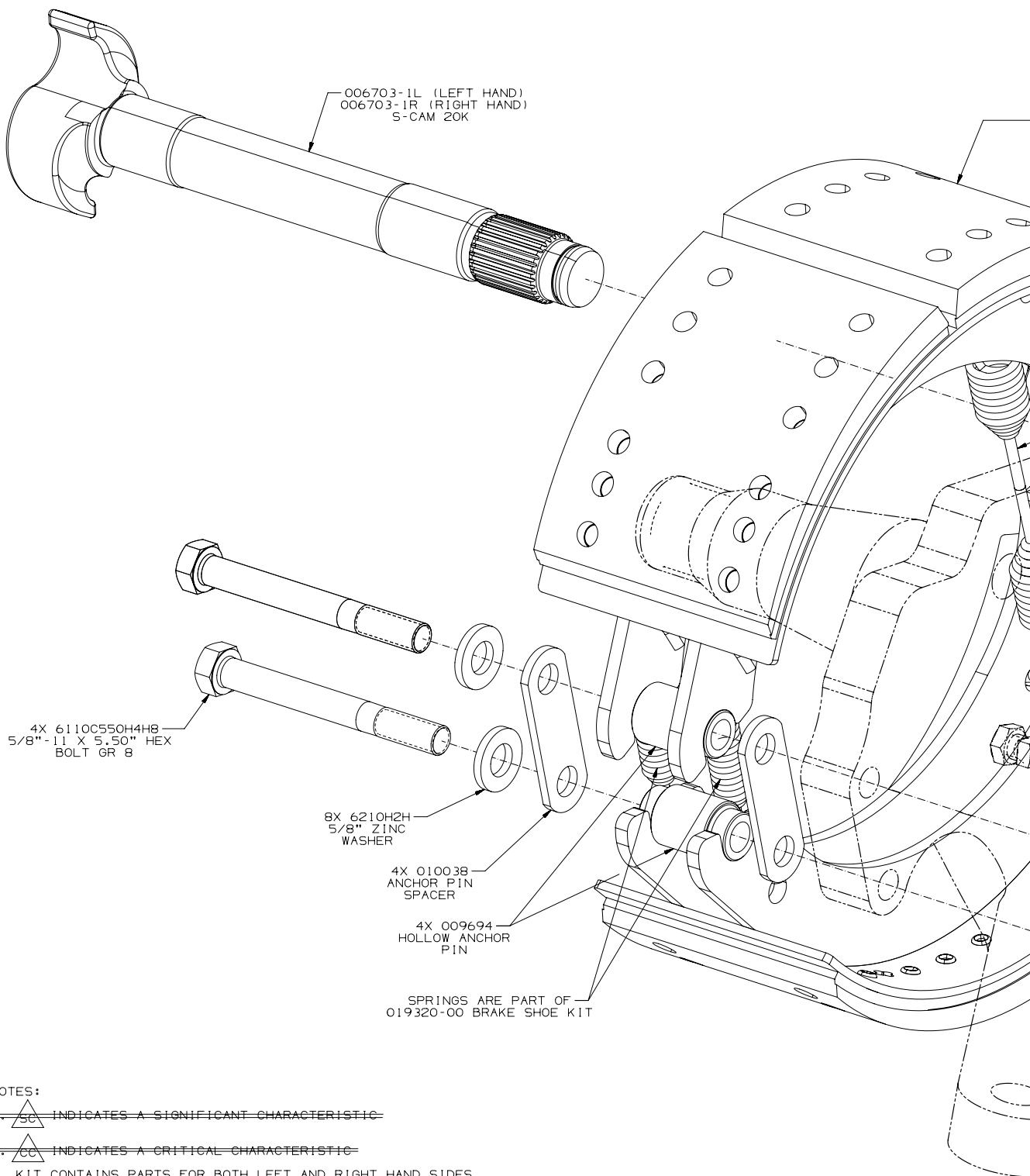
E

D

C

B

A



NOTES:

1. INDICATES A SIGNIFICANT CHARACTERISTIC
2. INDICATES A CRITICAL CHARACTERISTIC

4. KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND SIDES.
VEHICLE LEFT HAND SIDE SHOWN.
5. 006703-1L IS S-CAM FOR LEFT HAND SIDE. 006703-1R IS S-CAM
FOR RIGHT HAND SIDE
6. 5/8-11 TORQUE SPEC: 160-180 Ft-Lbs.

11

10

9

8

7

6

ITEM	PART NUMBER	DESCRIPTION	QTY
1	018443-1700	20K BRAKE KIT 16.5 X 6 - INTEGRATED BRAKE - WW301 LINING, DUST SHIELDS	1

G

F

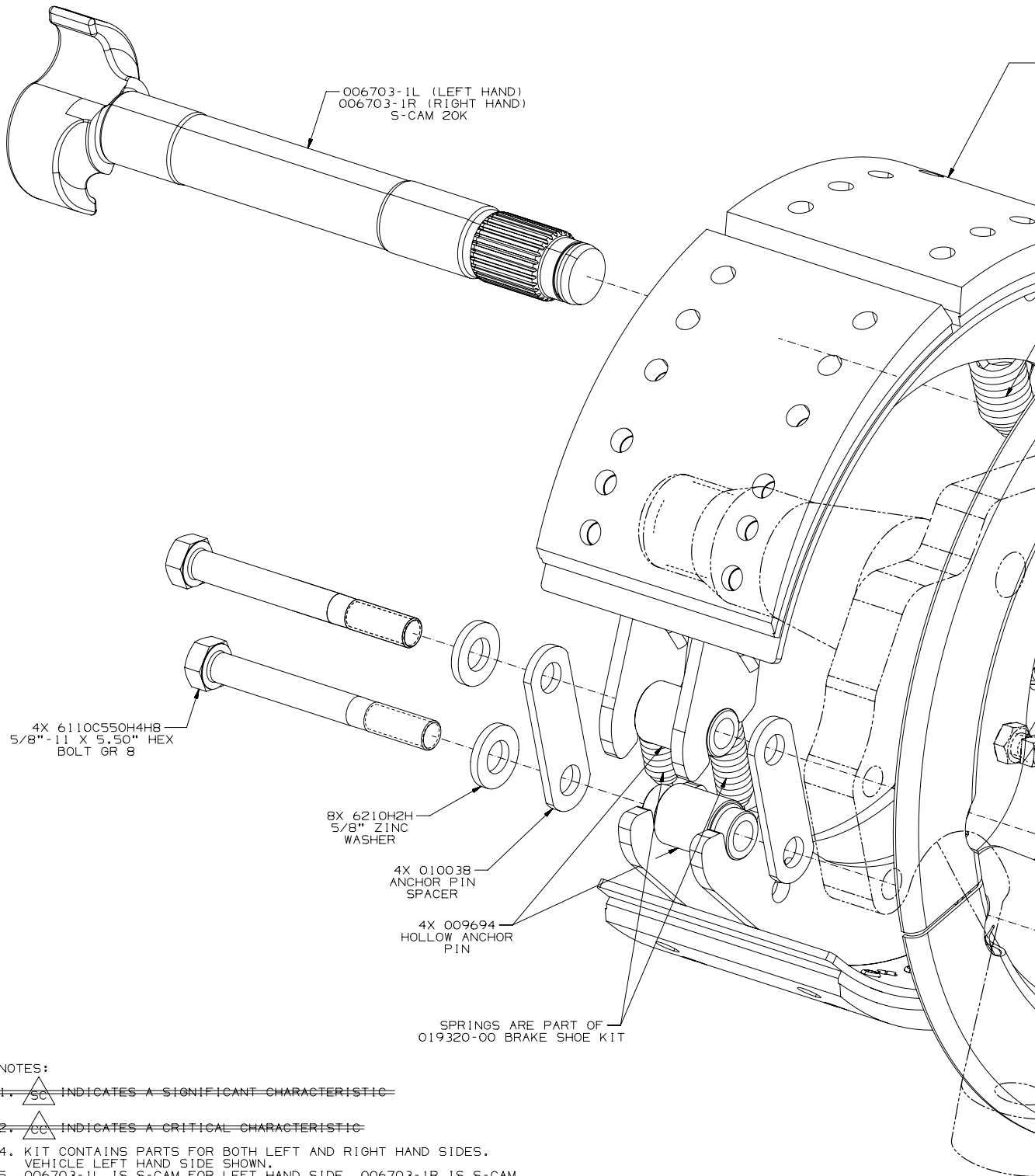
E

D

C

B

A



NOTES:

1. ~~SC INDICATES A SIGNIFICANT CHARACTERISTIC~~
2. ~~CC INDICATES A CRITICAL CHARACTERISTIC~~
4. KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND SIDES. VEHICLE LEFT HAND SIDE SHOWN.
5. 006703-1L IS S-CAM FOR LEFT HAND SIDE. 006703-1R IS S-CAM FOR RIGHT HAND SIDE.
6. 010245-1 AND 010246-1 ARE DUST SHIELDS FOR LEFT SIDE. 010245-2 AND 010246-2 ARE DUST SHIELDS FOR RIGHT SIDE.
7. 5/8-11 TORQUE SPEC: 160-180 Ft-Lbs.

11

10

9

8

7

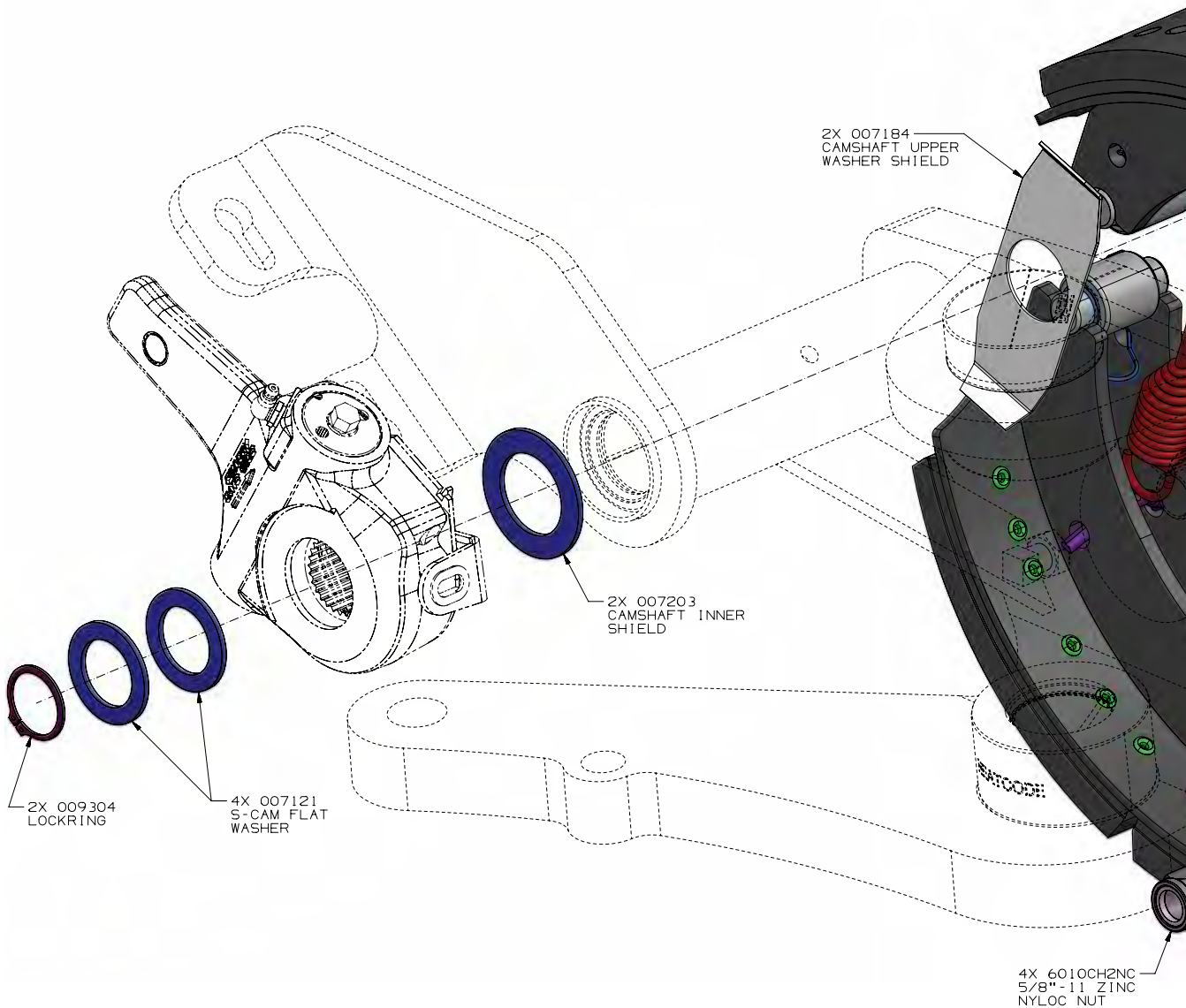
6



ITEM	PART NUMBER	DESCRIPTION	QTY
1	018443-2000	20K BRAKE KIT 16.5X6 - WW301 LINING RVS ROLLOFF	1

NOTES:

1. KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND SIDES.
VEHICLE LEFT HAND SIDE SHOWN.
2. 006703-1L IS S-CAM FOR LEFT HAND SIDE. 006703-1R IS S-CAM
FOR RIGHT HAND SIDE
3. 5/8-11 TORQUE SPEC: 160-180 Ft-Lbs.





 HENDRICKSON Auxiliary Axle Systems		PRODUCTION	
Copyright © 2000 Hendrickson, All Rights Reserved.		THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.	
	CAD FILE UPDATE ON CAD SYSTEM	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 11-13-20	MAKE FROM 	CUSTOMER ALL
CHECKED BY D. MILLER	DATE 11-13-20	FOR MACHINING SEE	SUSPENSION TYPE
ENG. APPROVAL D. MILLER	DATE 11-13-20	FOR ASSEMBLY SEE	REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES	REF. BOM
D.C. APPROVAL	DATE	EQUIP.	DRG. MFG. DRG.
DESCRIPTION 20K BRAKE KIT 16.5 X 6 INSTALL DWG WW301 LINING, RVS ROLLOFF			
MODEL WEIGHT PART/DWG NO. 101 LBS.	018443-20001		SHEET NO. 1 OF 2
SCALE NONE			DWG. SIZE D

ITEM	PART NUMBER	DESCRIPTION	QTY
1	01B443-2100	20K BRAKE KIT 16.5 X 6 - WW301 LINING, RVS ROLLOFF, DUST SHIELDS	1

NOTES:

1. KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND SIDES.
VEHICLE LEFT HAND SIDE SHOWN.
2. 006703-1L IS S-CAM FOR LEFT HAND SIDE. 006703-1R IS S-CAM
FOR RIGHT HAND SIDE
3. 010245-2 AND 10246-2 ARE DUST SHIELDS FOR LEFT SIDE.
010245-1 AND 10246-1 ARE DUST SHIELDS FOR RIGHT SIDE.
4. 5/8-11 TORQUE SPEC: 160-180 Ft-Lbs

G

F

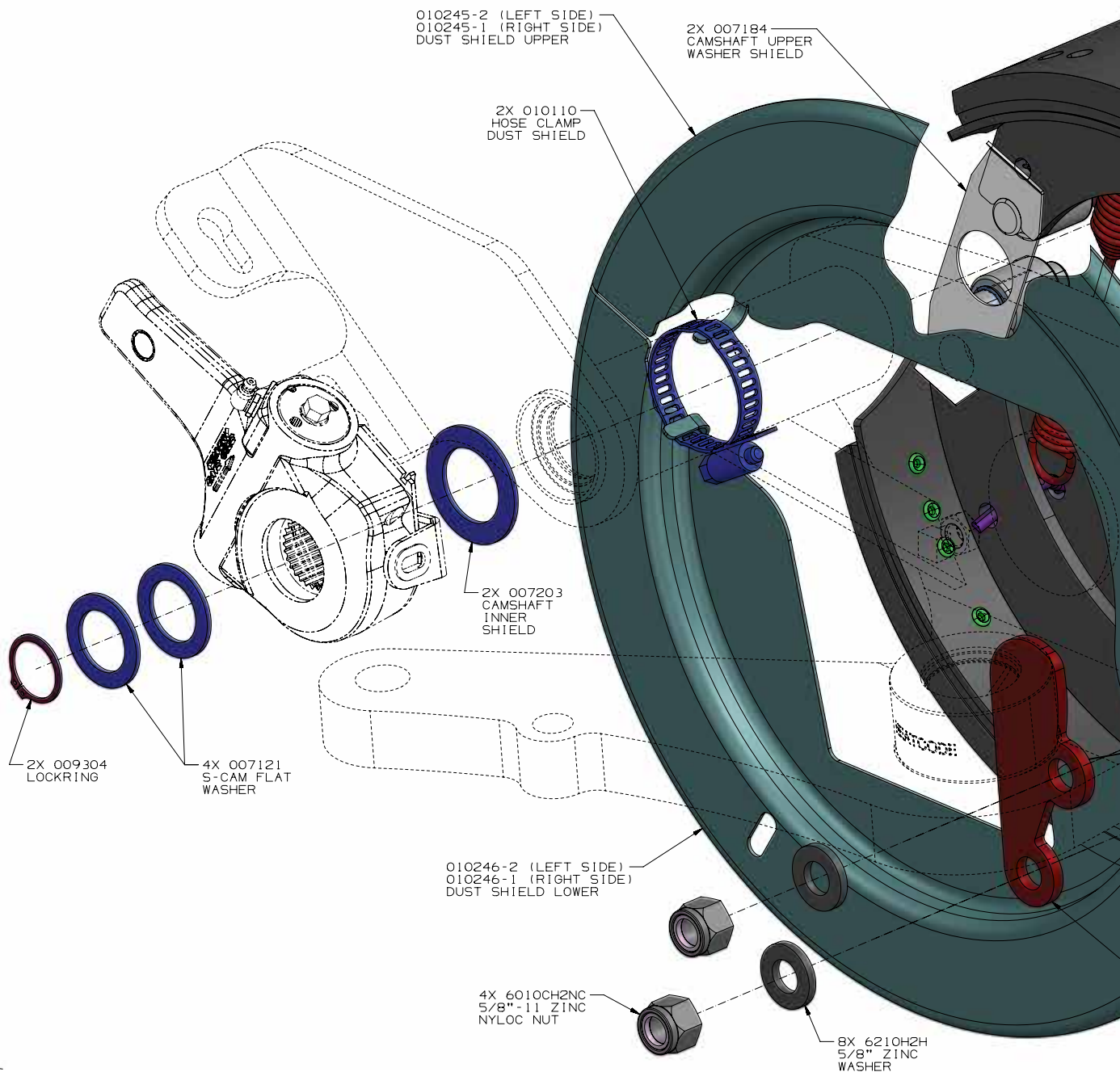
E

D

C

B

A



11

10

9

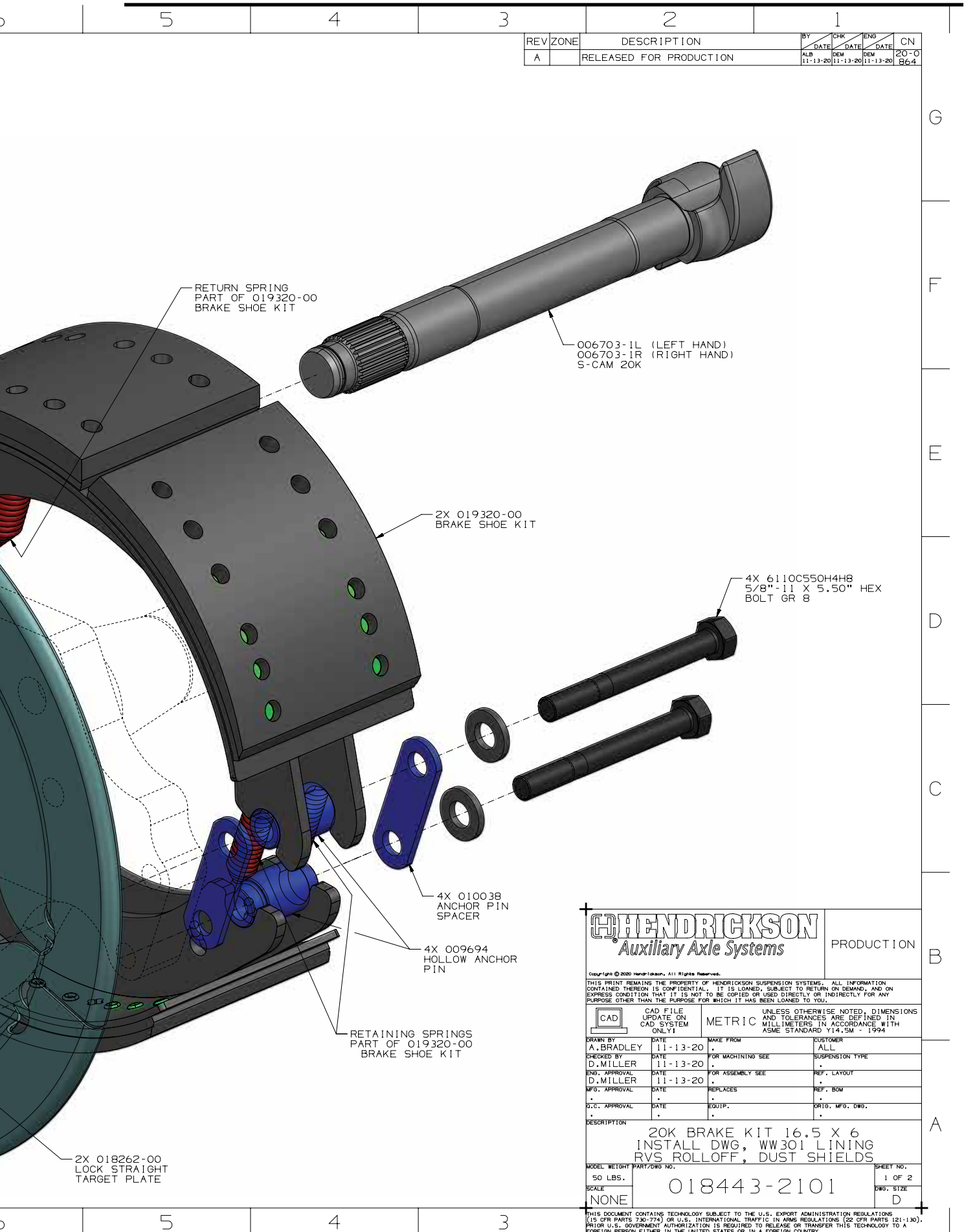
8

7

6



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

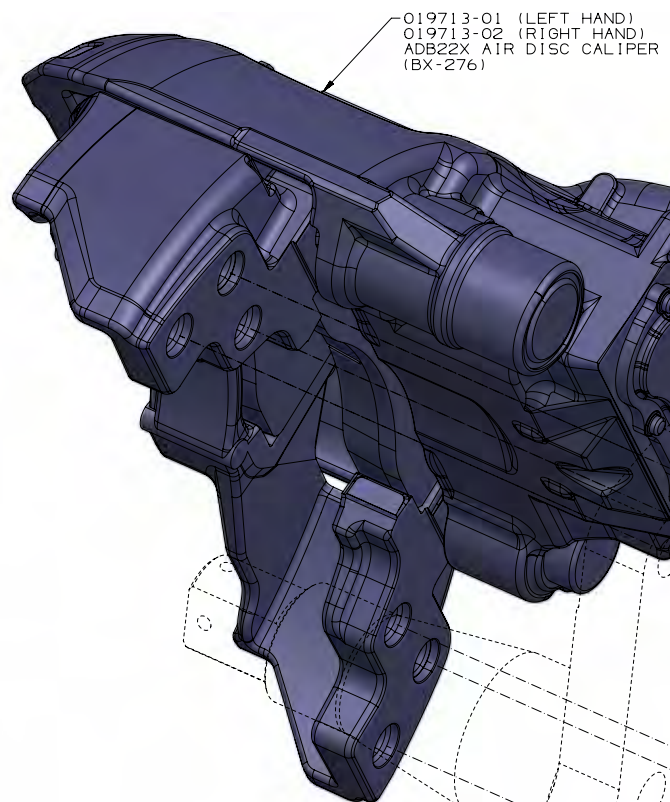


REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	DEM	20-0864

HENDRICKSON Auxiliary Axle Systems		PRODUCTION
Copyright © 2020 Hendrickson, All Rights Reserved.		
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.		
☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC
UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994		
DRAWN BY A. BRADLEY	DATE 11-13-20	MAKE FROM ALL
CHECKED BY D. MILLER	DATE 11-13-20	FOR MACHINING SEE SUSPENSION TYPE
ENG. APPROVAL D. MILLER	DATE 11-13-20	FOR ASSEMBLY SEE REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES REF. BOM
D.C. APPROVAL	DATE	EQUIP. DRIS, MFG, DWG.
DESCRIPTION 20K BRAKE KIT 16.5 X 6 INSTALL DWG, WW301 LINING RVS ROLLOFF, DUST SHIELDS		
MODEL WEIGHT PART/DWG NO. 50 LBS.	SHEET NO. 1 OF 2	
SCALE NONE	DWG. SIZE D	

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, ENTITY, OR IN A FOREIGN COUNTRY.

ITEM	PART NUMBER	DESCRIPTION	QTY
1	018443-0900	BRAKE KIT AIR DISC - BENDIX ADB22X, BX-276, T18 (16-18K)	1



NOTE:

- KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND SIDES. VEHICLE LEFT HAND SIDE SHOWN.
- INITIAL TORQUE M20X2.5 FASTENERS TO 80-140 Ft-Lbs.
- FINAL TORQUE M20X2.5 FASTENERS TO TORQUE 350-400 Ft-Lbs
- CHAMBER TORQUE SEQUENCE DIFFERENT FOR HAND IMPACT AND DC TOOL. SEE BELOW.
 - HAND IMPACT
HAND START THE NUT (INITIAL THREAD ENGAGEMENT)
TIGHTEN THE NUT UNTIL IT TOUCHES THE MATING SURFACE
FINAL TORQUE USING A TORQUE WRENCH TO 135-155 Ft-Lbs.
 - DC TORQUE GUN
STARTING 50 RPM to 25 Ft-Lbs. (INITIAL THREAD ENGAGEMENT)
120 RPM to 40 Ft-Lbs. (NEVER EXCEED 120 RPM)
10 RPM TO FINAL TORQUE 110-115 Ft-Lbs.
- ADB22X APPROVED FOR USE WITH 430mm ROTORS OF 37 - 45mm THICKNESS.
- ADB22X BX-276 WITH T18 CHAMBER RATED FOR 16-18k .



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5		4		3		2		1	
REV	ZONE	DESCRIPTION				BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION				JAB	JHE	JAB	21-098
						DATE	DATE	DATE	
						05-28-21	05-28-21	05-28-21	

019729-00 T18 CHAMBER

017792-00 M20 HARDEN WASHER

12X 003534-3
M20 x 2.5-6g 60mm
10.9 HEX HEAD BOLT

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2021 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD		METRIC	
DATE	05-28-21	MAKE FROM	CUSTOMER
CHECKED BY	SLONAKER	FOR MACHINING SEE	SUSPENSION TYPE
ENG. APPROVAL	GUNTERMANN	FOR ASSEMBLY SEE	REF. LAYOUT
MFG. APPROVAL		REPLACES	REF. BOM
G.C. APPROVAL		EQUIP.	ORIG. MFG. DWG.

DESCRIPTION

BRAKE KIT INSTALL DWG AIR DISC
ADB22X, INTEGRATED, BX-276, T18

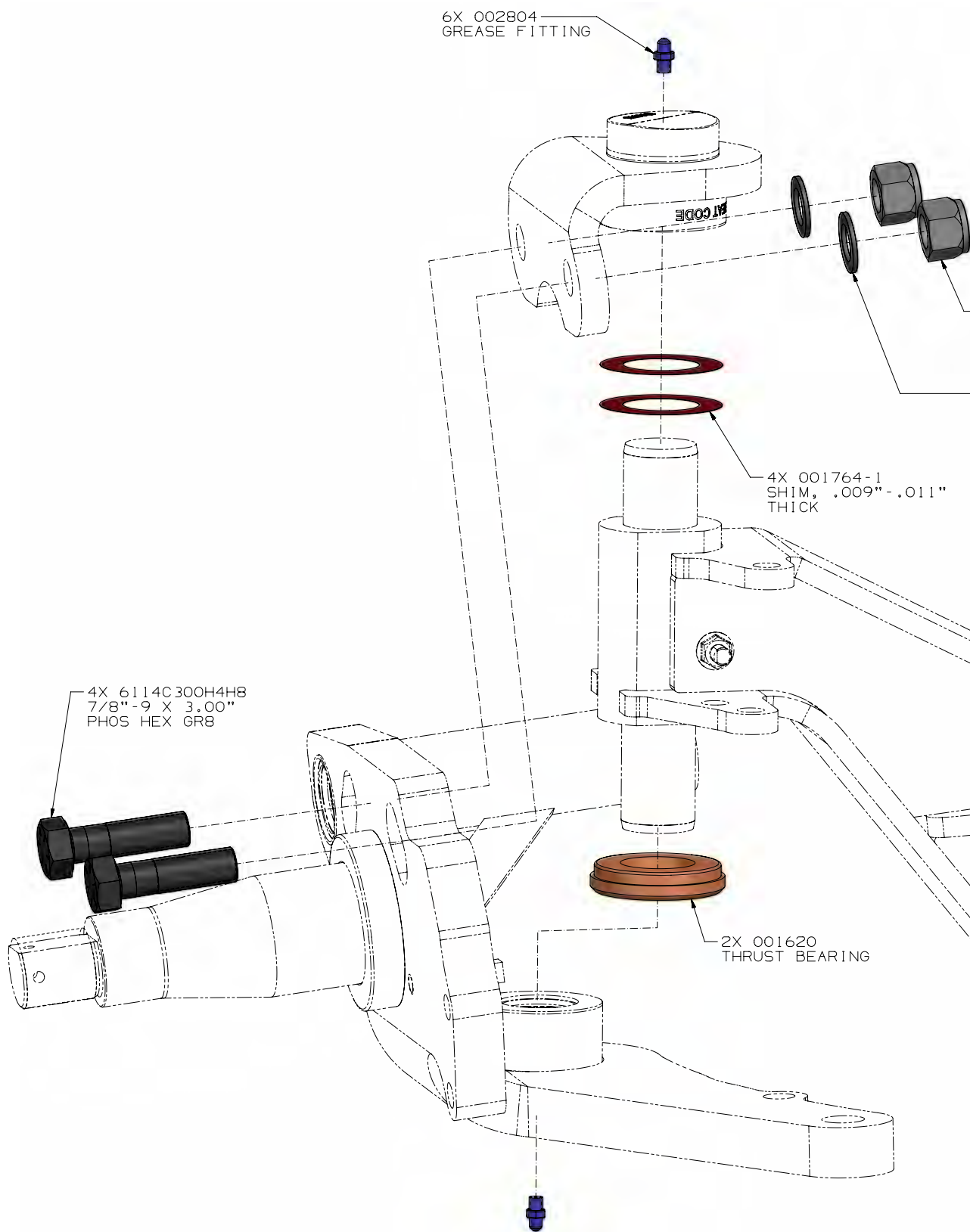
MODEL	WEIGHT	PART/DWG NO.	SHEET NO.
		018443-0902	1 OF 1
		SCALE	DWG. SIZE
		3:4	D

COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems



ITEM	PART NUMBER	DESCRIPTION	QTY
1	018444-0700	20K KNUCKLE KIT - DRUM, W/O UPPER KINGPIN ASM	1

G
F
E
D
C
B
A





COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5

4

3

2

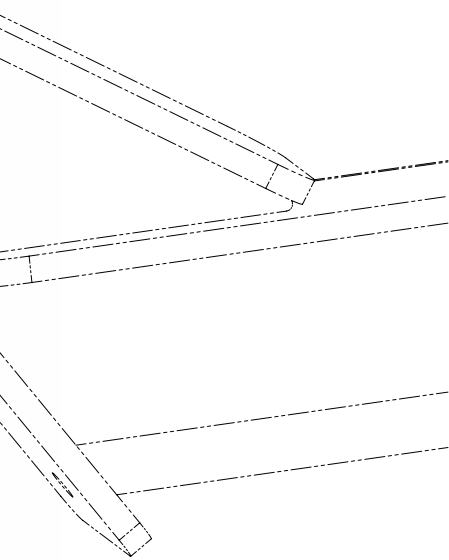
1

NOTES:

1. KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND SIDES. VEHICLE LEFT HAND SIDE SHOWN.
2. GREASE FITTING NOT SHOWN TO BE INSTALLED IN S-CAM TUBE
3. 7/8-9 TORQUE SPEC: 425-475 Ft-Lbs

4X 6014CH2NC
7/8"-9 ZINC
NYLOC NUT

4X 6214H7BN
7/8" ZINC WASHER



REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	JAS	JAS	23-0
			07-26-23	07-26-23	07-26-23	233

G

F

E

D

C

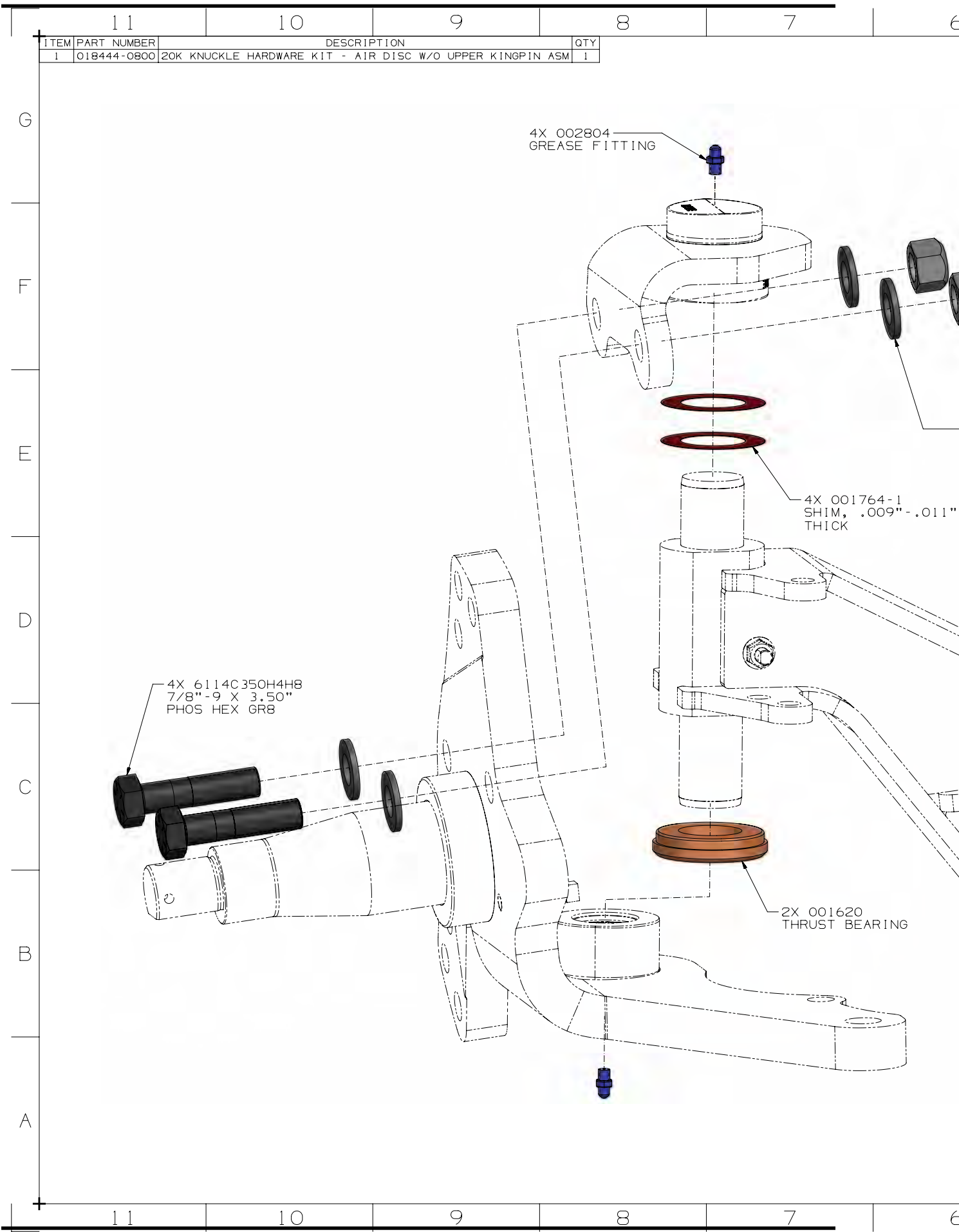
B

A

HENDRICKSON Auxiliary Axle Systems		PRODUCTION	
Copyright © 2023 Hendrickson. All Rights Reserved.			
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.			
	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 07-26-23	MAKE FROM	CUSTOMER
CHECKED BY SLONAKER	DATE 07-26-23	FOR MACHINING SEE	SUSPENSION / PROGRAM
ENG. APPROVAL SLONAKER	DATE 07-26-23	FOR ASSEMBLY SEE	REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES	REF. BOM
D.C. APPROVAL	DATE	EQUIP.	DRG. MFG. DRG.
DESCRIPTION 20K KNUCKLE KIT INSTALL DWG, DRUM W/O UPPER KINGPIN ASM			
MODEL WEIGHT PART/DWG NO. 6.12 LBS.		SHEET NO. 1 OF 1	
SCALE 5:8		DWG. SIZE D	
018444-0701			

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.

COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems





COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5

4

3

2

1

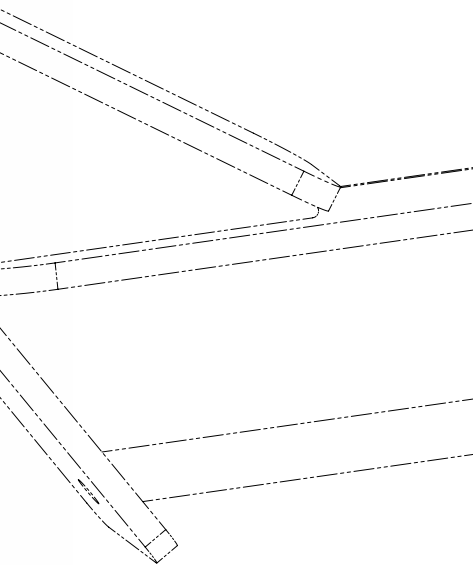
NOTES:

1. KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND SIDES.
VEHICLE LEFT HAND SIDE SHOWN.
2. GREASE FITTING NOT SHOWN TO BE INSTALLED IN S-CAM TUBE
3. 7/8-9 TORQUE SPEC: 425-475 Ft-Lbs



4X 6014CH2LC
7/8"-9 ZINC
LOCK NUT

8X 6214H2H
7/8" ZINC
HARDENED WASHER



REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	JHS	JHS	23-0
			07-26-23	07-26-23	07-26-23	233

G

F

E

D

C

B

A

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2023 Hendrickson, All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 07-26-23	MAKE FROM .	CUSTOMER ALL
DRAWN BY SLONAKER	DATE 07-26-23	FOR MACHINING SEE .	SUSPENSION / PROGRAM .
ENG. APPROVAL SLONAKER	DATE 07-26-23	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
D.C. APPROVAL .	DATE .	ORIG. MFG. DWG. .	

DESCRIPTION
20K KNUCKLE HARDWARE KIT
INSTALL DWG AIR DISC
W/O UPPER KINGPIN ASM

MODEL WEIGHT PART/DWG NO.

6.96 LBS.

SCALE

1:1

018444-0801

SHEET NO.

1 OF 1

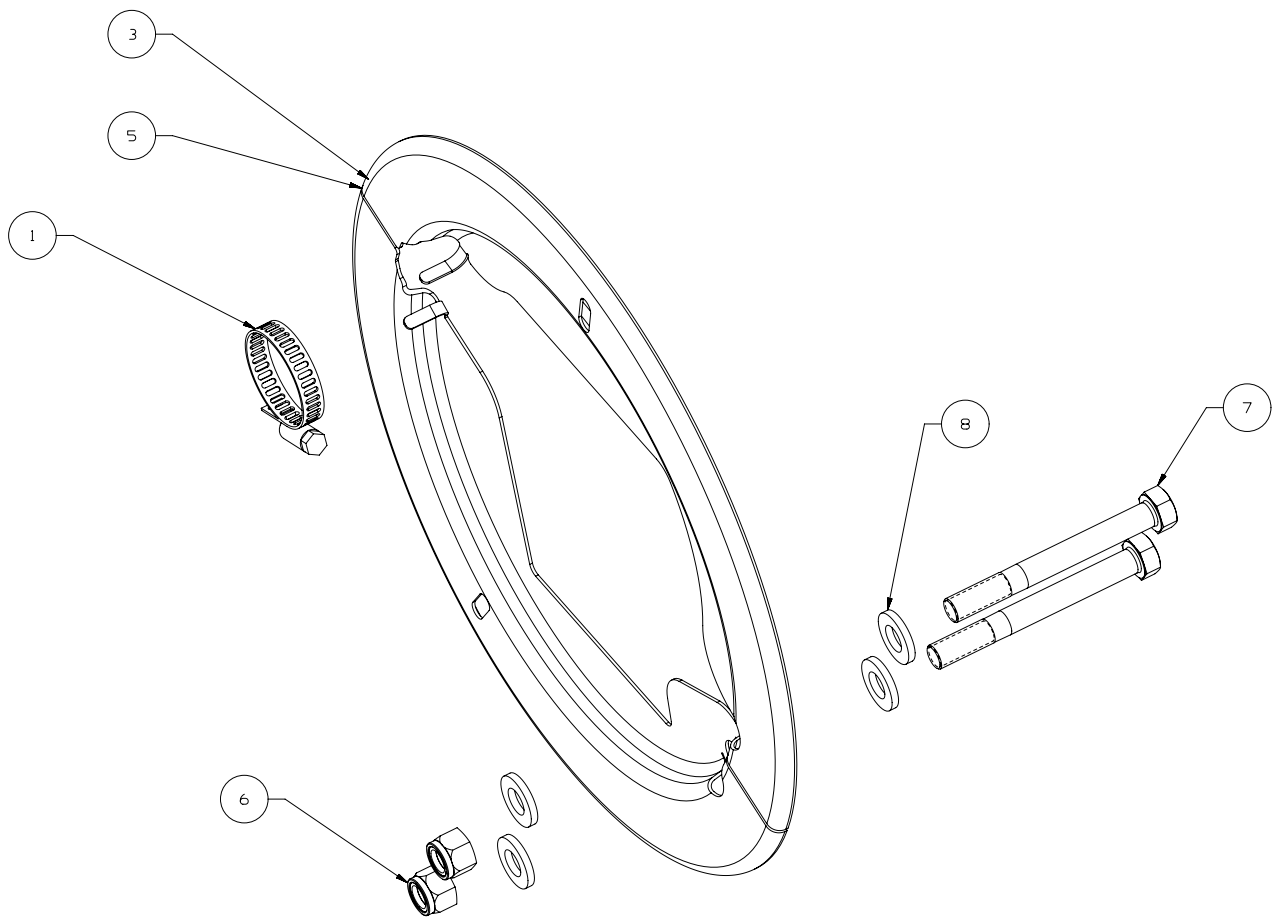
DWG. SIZE

D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, FIRM, OR GOVERNMENT, OR TO A FOREIGN COUNTRY.



BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	QTY
1	010110	HOSE CLAMP SC20 DUST SHIELD	2
2	010245-1	DUST SHIELD UPPER SC20	1
3	010245-2	DUST SHIELD UPR RH SC20	1
4	010246-1	DUST SHIELD LOWER SC20	1
5	010246-2	DUST SHIELD LWR RH SC20	1
6	6010CH2NC	NUT 5/8"-11 ZINC NYLON LOCK GR C	4
7	6110C550H4H8	5/8"-11 X 5.50" PHOS HEX GR 8	4
8	6210H2H	WASHER 5/8" ZINC HARDENED	8



- NOTES:
- 1. TORQUE ANCHOR PIN BOLT NUTS (6010CH2LC) TO 160-180 FT.LBS
 - 2. 12.56 LBS (5.7kg)
 - 3. 010244 KIT COMPLETES ONE AXLE (PASSENGER'S SIDE ONLY) SHOWN



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5

4

3

2

1

REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
B		BOLT FROM 5.0 TO 5.5 NUT TO NYLON	JDG	JAG	JHS	1B-0 649
			08-16-18	08-16-18	08-16-18	

G

F

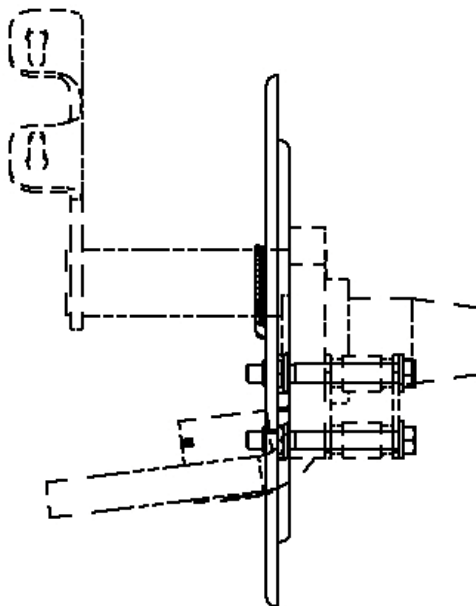
E

D

C

B

A



HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2018 Hendrickson. All Rights Reserved.THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.CAD FILE
UPDATE ON
CAD SYSTEM
ONLY

METRIC

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994

DRAWN BY	DATE	MAKE FROM	CUSTOMER
GALLAGHER	08-16-18	.	ALL
CHECKED BY	DATE	FOR MACHINING SEE	SUSPENSION TYPE
GUNTERMANN	08-16-18	.	.
ENG. APPROVAL	DATE	FOR ASSEMBLY SEE	REF. LAYOUT
SLONAKER	08-16-18	.	.
MFG. APPROVAL	DATE	REPLACES	REF. BOM
.	.	.	.
S.C. APPROVAL	DATE	EQUIP.	DRIS, MFG, DWG.
.	.	.	.

DESCRIPTION

DUST SHIELD KIT

MODEL WEIGHT PART/DWG NO.

.00 LBS.

SCALE

1 : 1

010244

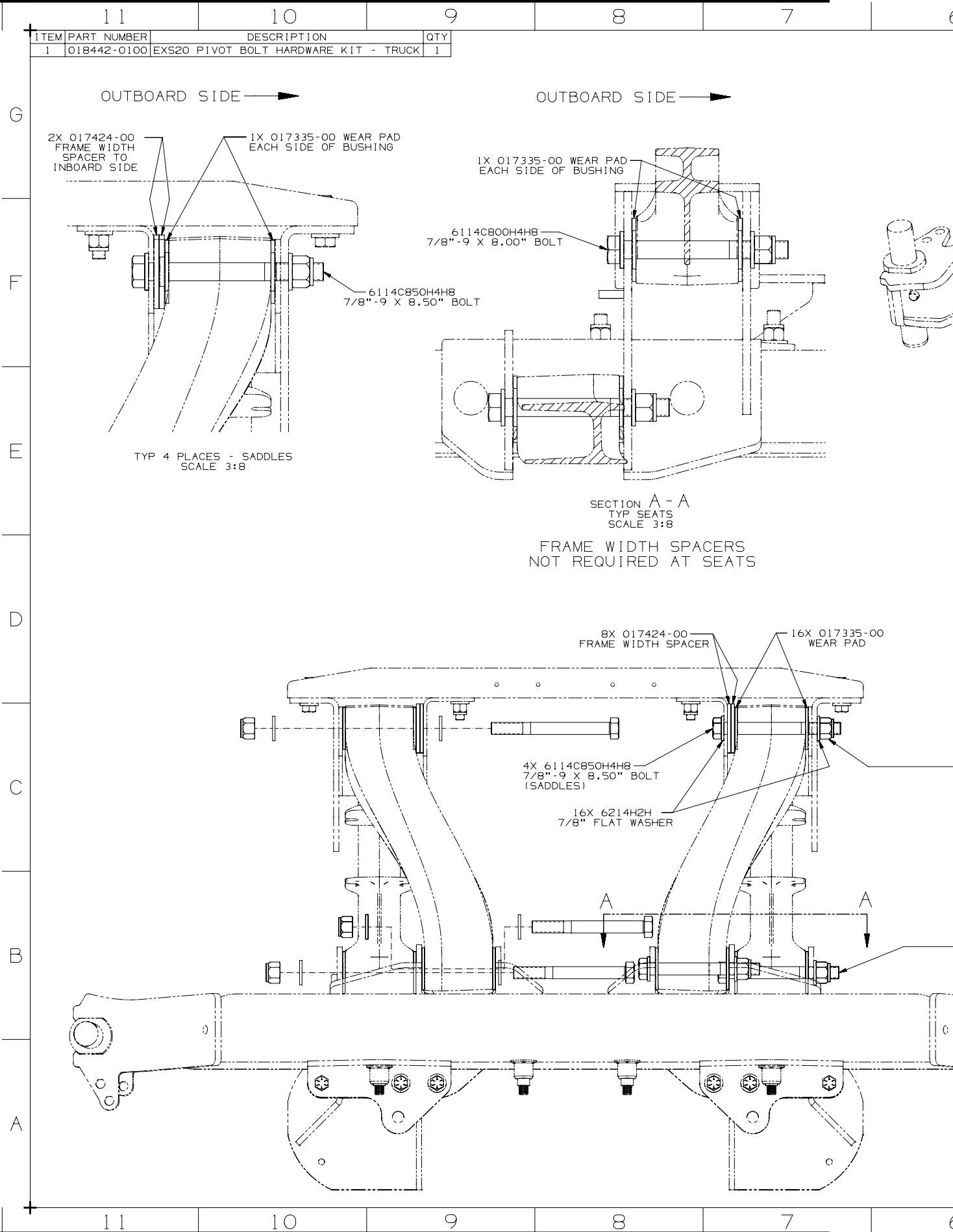
SHEET NO.

1 OF 1

DWG. SIZE

D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON OR ENTITY. ALL INFORMATION CONTAINED HEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.



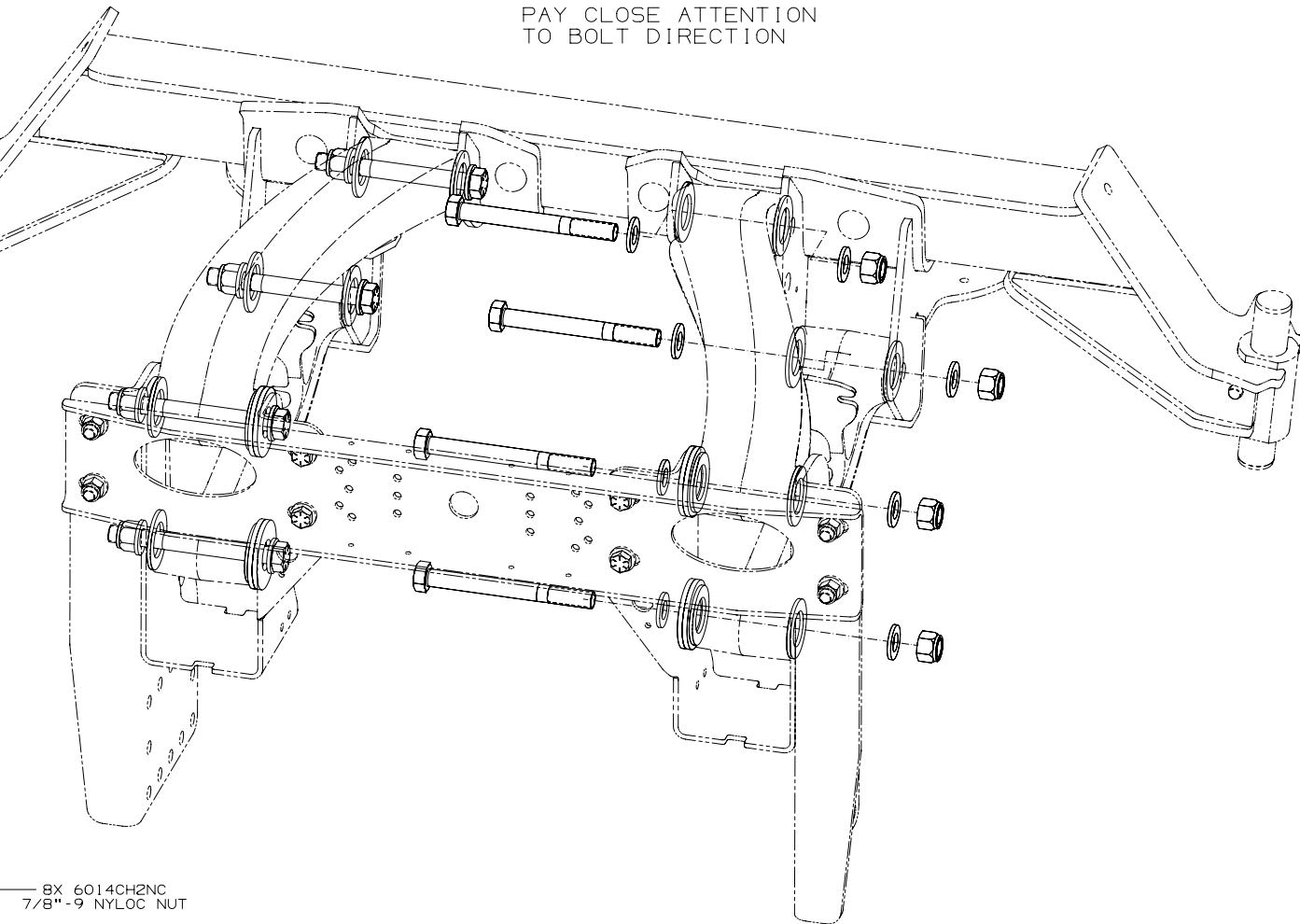


COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5	5	4	3	2	1
---	---	---	---	---	---

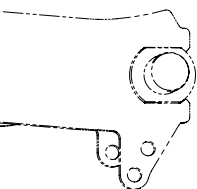
REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	20-0
B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-0
			09-14-20	09-14-20	09-14-20	691

PAY CLOSE ATTENTION
TO BOLT DIRECTION



8X 6014CH2NC
7/8"-9 NYLOC NUT

4X 6114C800H4H8
7/8"-9 X 8.00" BOLT
(SEATS)



NOTES:

1. ~~SC~~ INDICATES A SIGNIFICANT CHARACTERISTIC
2. BOLT TORQUE SPEC: HAES 9000-023

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2020 Hendrickson. All Rights Reserved.

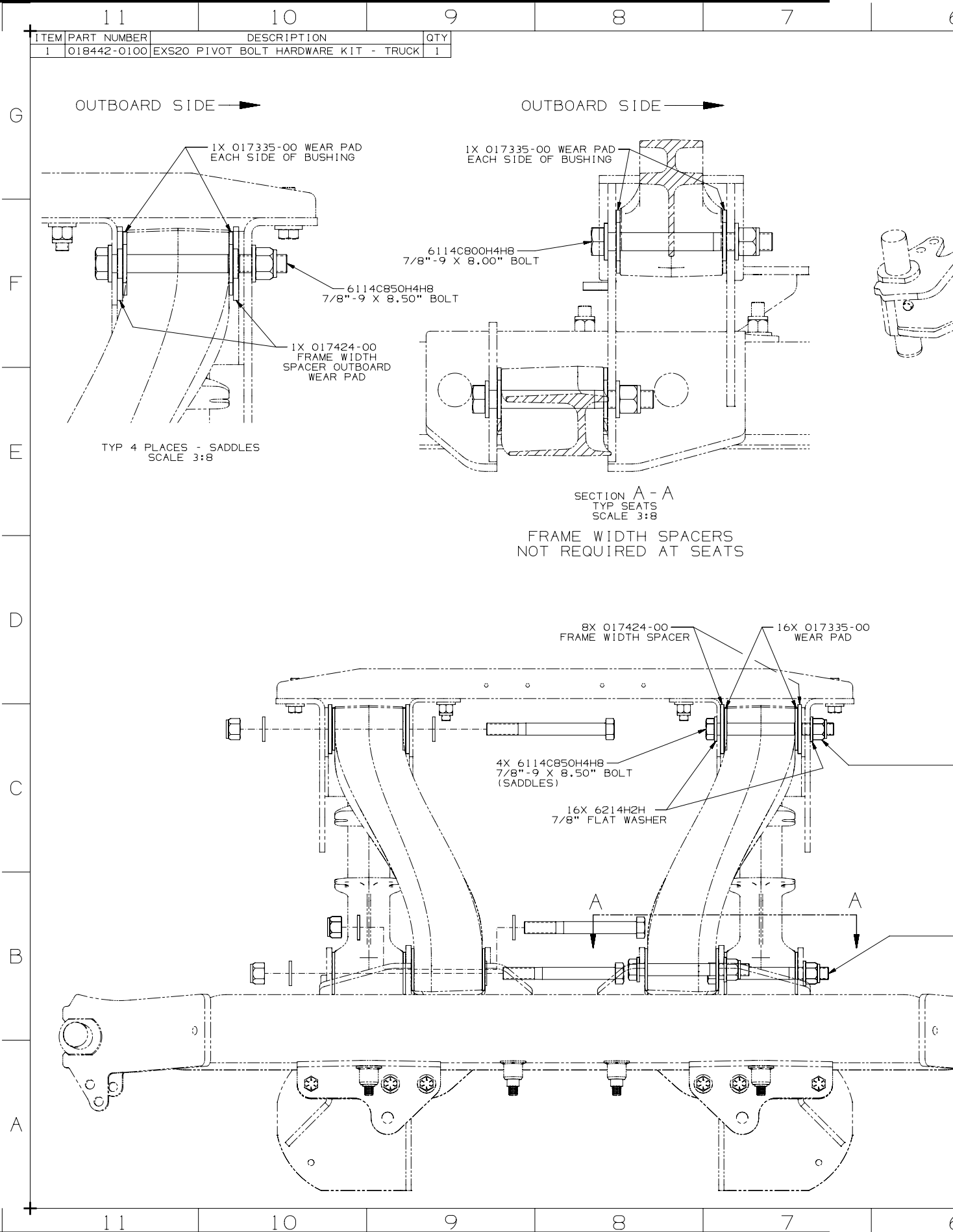
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

	CAD FILE UPDATE ON CAD SYSTEM ONLY!	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 12-17-19	MAKE FROM .	CUSTOMER ALL
CHECKED BY D. MILLER	DATE 12-17-19	FOR MACHINING SEE .	SUSPENSION TYPE .
ENG. APPROVAL WESTNEDGE	DATE 12-17-19	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
D.C. APPROVAL .	DATE .	EQUIP. .	ORIG. MFG. DWG. .

DESCRIPTION
EXS20 PIVOT BOLT HARDWARE KIT
INSTALL DWG, TRUCK 33.5" FRAME
BOLT HEADS IN

MODEL WEIGHT PART/DWG NO. 17.3 LBS.	018442-0105	SHEET NO. 1 OF 1
SCALE 1:4		DWG. SIZE D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, ENTITY, OR COUNTRY.

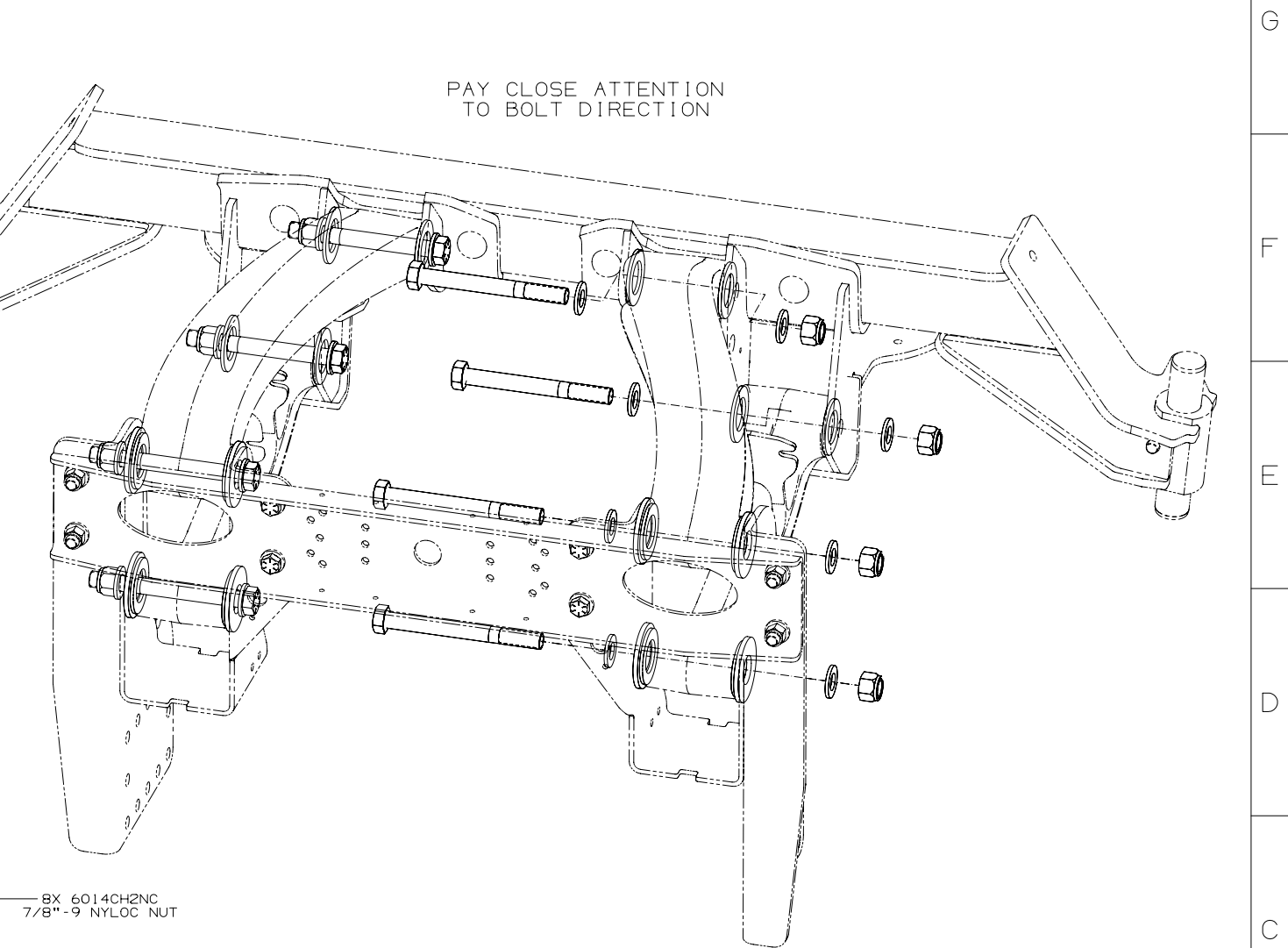




COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

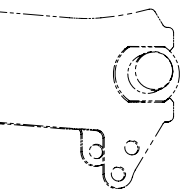
5	5	4	3	2	1
---	---	---	---	---	---

REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	20-0
B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	019
			09-14-20	09-14-20	09-14-20	20-0
						691



8X 6014CH2NC
7/8"-9 NYLOC NUT

4X 6114C800H4H8
7/8"-9 X 8.00" BOLT
(SEATS)



NOTES:

- SC INDICATES A SIGNIFICANT CHARACTERISTIC
- BOLT TORQUE SPEC: HAES 9000-023

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2020 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY	DATE	MAKE FROM	CUSTOMER
A. BRADLEY	12-17-19	.	ALL
CHECKED BY	DATE	FOR MACHINING SEE	SUSPENSION TYPE
D. MILLER	12-17-19	.	.
ENG. APPROVAL	DATE	FOR ASSEMBLY SEE	REF. LAYOUT
WESTNEDGE	12-17-19	.	.
MFG. APPROVAL	DATE	REPLACES	REF. BOM
.	.	.	.
D.C. APPROVAL	DATE	SOUTP.	ORIG. MFG. DWG.
.	.	.	.

DESCRIPTION
EXS20 PIVOT BOLT HARDWARE KIT
INSTALL DWG, TRUCK 34" FRAME
BOLT HEADS IN

MODEL WEIGHT PART/DWG NO.
7.8 LBS.

SCALE
1:4

018442-0104

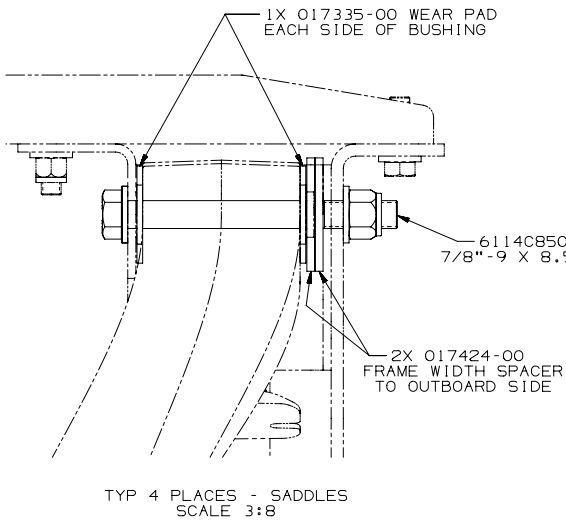
SHEET NO.
1 OF 1
DWG. SIZE
D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, ENTITY, OR VESSEL OR TO A FOREIGN COUNTRY.

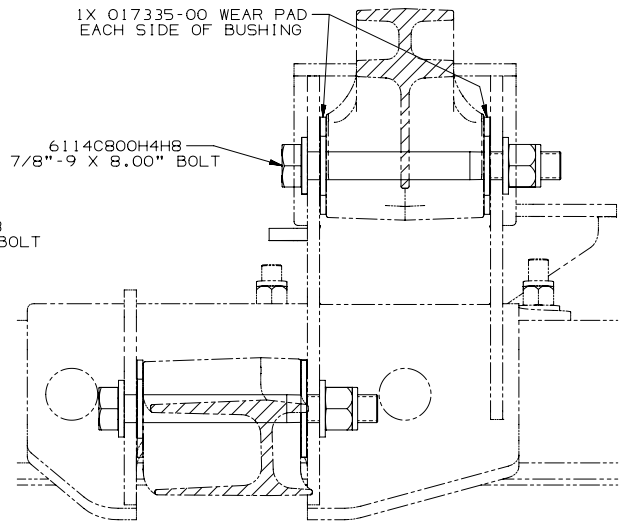
ITEM	PART NUMBER	DESCRIPTION	QTY
1	018442-0100	EXS20 PIVOT BOLT HARDWARE KIT - TRUCK	1

G
F
E
D
C
B
A

OUTBOARD SIDE →

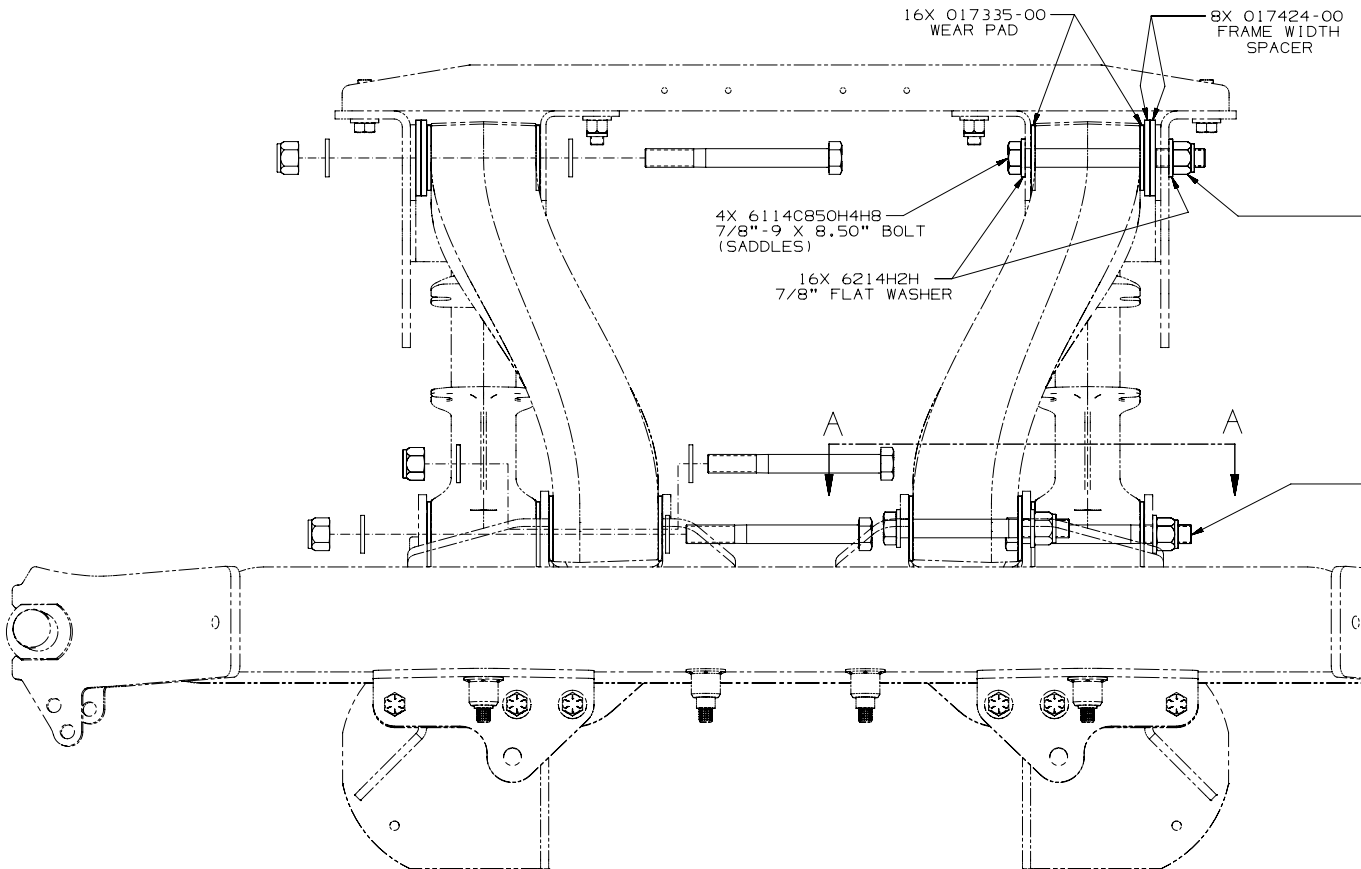


OUTBOARD SIDE →



SECTION A - A
TYP SEATS
SCALE 3:8

FRAME WIDTH SPACERS
NOT REQUIRED AT SEATS



11

10

9

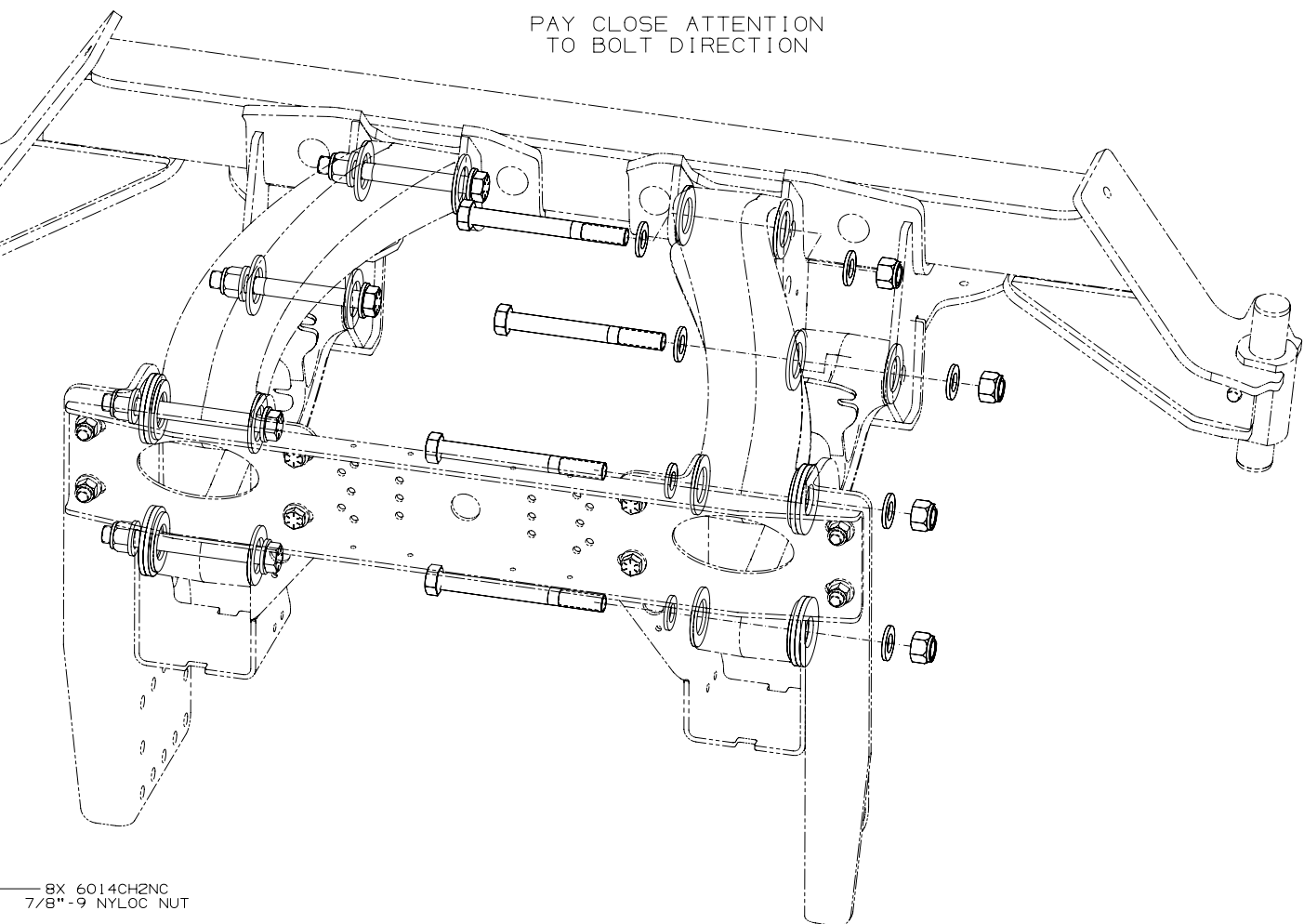
8

7

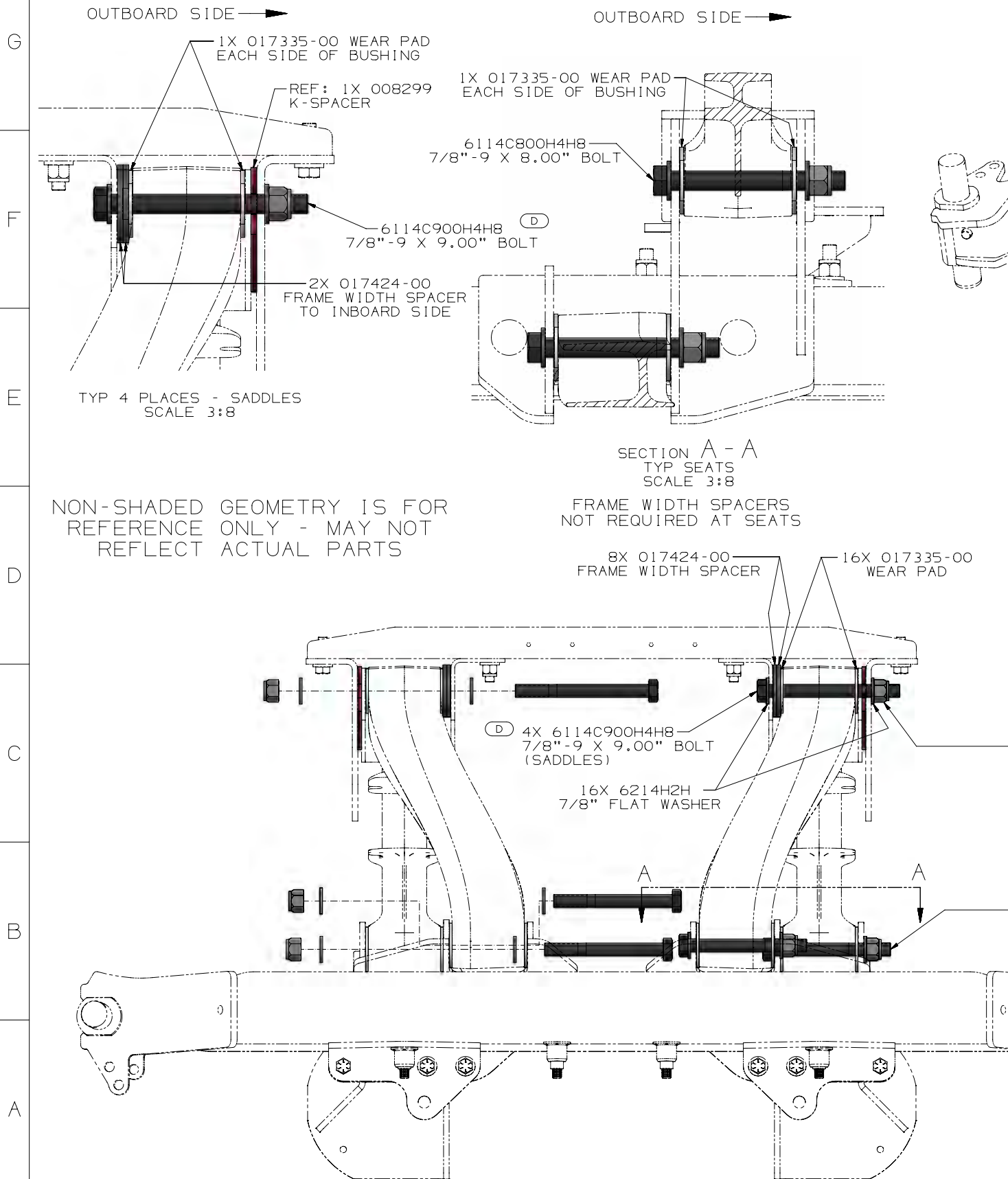
6



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5	4	3	2	1																														
REV ZONE DESCRIPTION BY CHK ENG CN <table border="1"><thead><tr><th>REV</th><th>ZONE</th><th>DESCRIPTION</th><th>BY</th><th>CHK</th><th>ENG</th><th>CN</th></tr></thead><tbody><tr><td>A</td><td></td><td>RELEASED FOR PRODUCTION</td><td>ALB</td><td>DEM</td><td>A.W</td><td>20-019</td></tr><tr><td>B</td><td>A5</td><td>RMVD NOTE #1 & "SC" CALLOUT</td><td>ALB</td><td>DEM</td><td>DEM</td><td>20-069</td></tr></tbody></table>					REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN	A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	20-019	B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-069									
REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN																												
A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	20-019																												
B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-069																												
PAY CLOSE ATTENTION TO BOLT DIRECTION  8X 6014CH2NC 7/8"-9 NYLOC NUT 4X 6114C800H4H8 7/8"-9 X 8.00" BOLT (SEATS) NOTES: 1. SC INDICATES A SIGNIFICANT CHARACTERISTIC 2. BOLT TORQUE SPEC: HAES 9000-023 HENDRICKSON Auxiliary Axle Systems PRODUCTION Copyright © 2020 Hendrickson, All Rights Reserved. THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU. <table border="1"><thead><tr><th>CAD</th><th>CAD FILE UPDATE ON CAD SYSTEM ONLY</th><th>METRIC</th><th>UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994</th></tr></thead><tbody><tr><td>DRAWN BY A. BRADLEY</td><td>DATE 12-17-19</td><td>MAKE FROM</td><td>CUSTOMER</td></tr><tr><td>CHECKED BY D. MILLER</td><td>DATE 12-17-19</td><td>FOR MACHINING SEE</td><td>SUSPENSION TYPE</td></tr><tr><td>ENG. APPROVAL WESTNEDGE</td><td>DATE 12-17-19</td><td>FOR ASSEMBLY SEE</td><td>REF. LAYOUT</td></tr><tr><td>MFG. APPROVAL</td><td>DATE</td><td>REPLACES</td><td>REF. BOM</td></tr><tr><td>D.C. APPROVAL</td><td>DATE</td><td>EQUIP.</td><td>ORIG. MFG. DWG.</td></tr></tbody></table> DESCRIPTION EXS20 PIVOT BOLT HARDWARE KIT INSTALL DWG, TRUCK 34.5" FRAME BOLT HEADS IN <table border="1"><thead><tr><th>MODEL WEIGHT PART/DWG NO.</th><th>SHEET NO.</th></tr></thead><tbody><tr><td>8.7 LBS.</td><td>1 OF 1</td></tr><tr><td>SCALE 1:4</td><td>DWG. SIZE D</td></tr></tbody></table> THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.					CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994	DRAWN BY A. BRADLEY	DATE 12-17-19	MAKE FROM	CUSTOMER	CHECKED BY D. MILLER	DATE 12-17-19	FOR MACHINING SEE	SUSPENSION TYPE	ENG. APPROVAL WESTNEDGE	DATE 12-17-19	FOR ASSEMBLY SEE	REF. LAYOUT	MFG. APPROVAL	DATE	REPLACES	REF. BOM	D.C. APPROVAL	DATE	EQUIP.	ORIG. MFG. DWG.	MODEL WEIGHT PART/DWG NO.	SHEET NO.	8.7 LBS.	1 OF 1	SCALE 1:4	DWG. SIZE D
CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994																															
DRAWN BY A. BRADLEY	DATE 12-17-19	MAKE FROM	CUSTOMER																															
CHECKED BY D. MILLER	DATE 12-17-19	FOR MACHINING SEE	SUSPENSION TYPE																															
ENG. APPROVAL WESTNEDGE	DATE 12-17-19	FOR ASSEMBLY SEE	REF. LAYOUT																															
MFG. APPROVAL	DATE	REPLACES	REF. BOM																															
D.C. APPROVAL	DATE	EQUIP.	ORIG. MFG. DWG.																															
MODEL WEIGHT PART/DWG NO.	SHEET NO.																																	
8.7 LBS.	1 OF 1																																	
SCALE 1:4	DWG. SIZE D																																	

ITEM	PART NUMBER	DESCRIPTION	QTY
1	018442-0400	EXS20 PIVOT BOLT HARDWARE KIT - TRUCK, ADJ	1





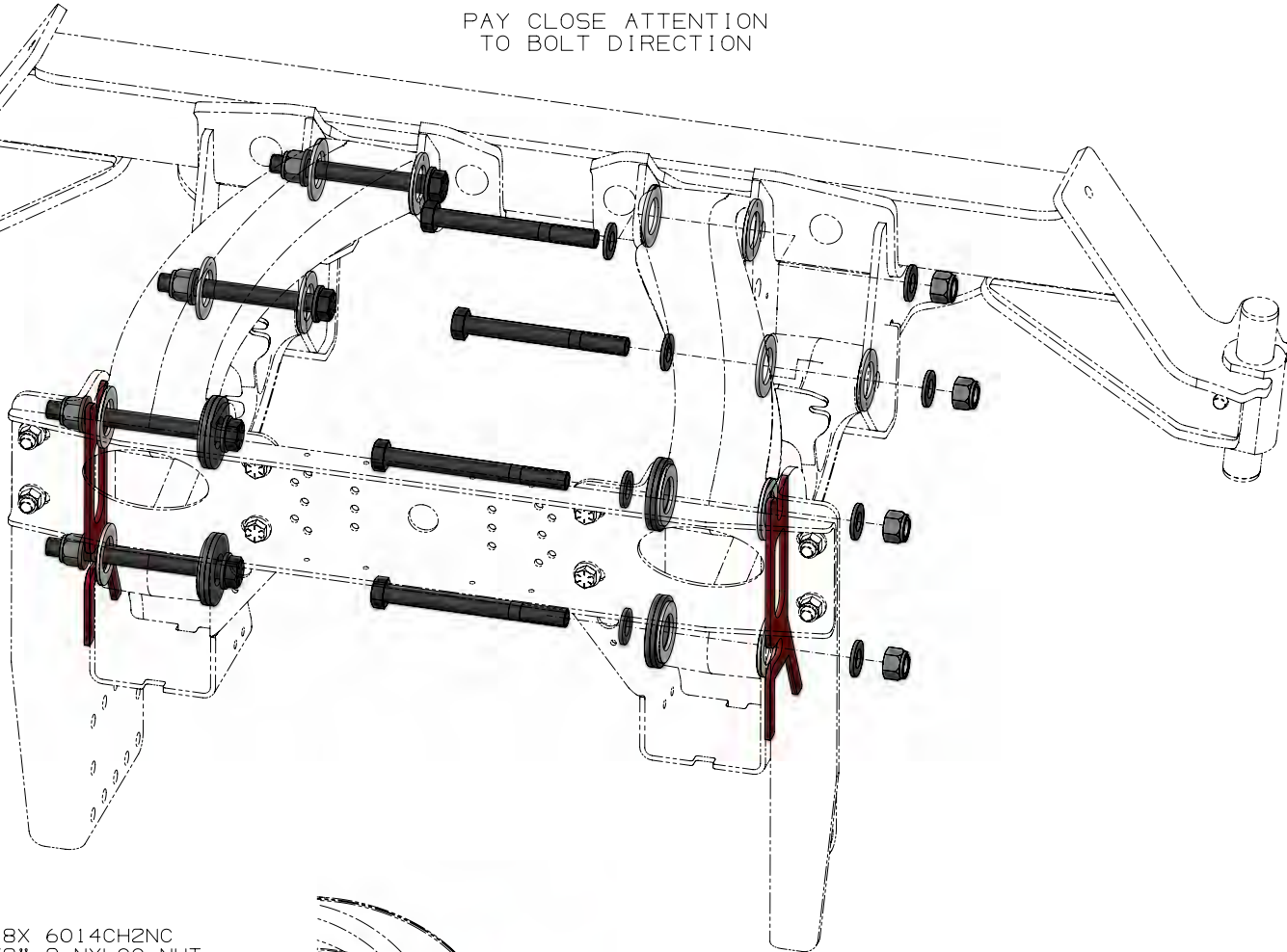
COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

NOTES:

1. INDICATES A SIGNIFICANT CHARACTERISTIC
2. BOLT TORQUE SPEC: HAES 9000-023

REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	DEM	20-0
B		RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-0
C		REVISED K-SPACER QTY CALLOUT. K-SPACERS REMOVED FROM KIT	ALB	DEM	DEM	22-0
D	F9	RVSD BOLT CALLOUT TO MATCH KIT	ALB	JHS	JHS	23-0

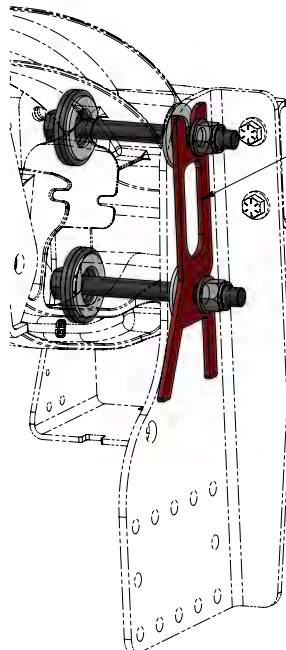
PAY CLOSE ATTENTION
TO BOLT DIRECTION



8X 6014CH2NC
7/8"-9 NYLOC NUT

4X 6114C800H4H8
7/8"-9 X 8.00" BOLT
(SEATS)

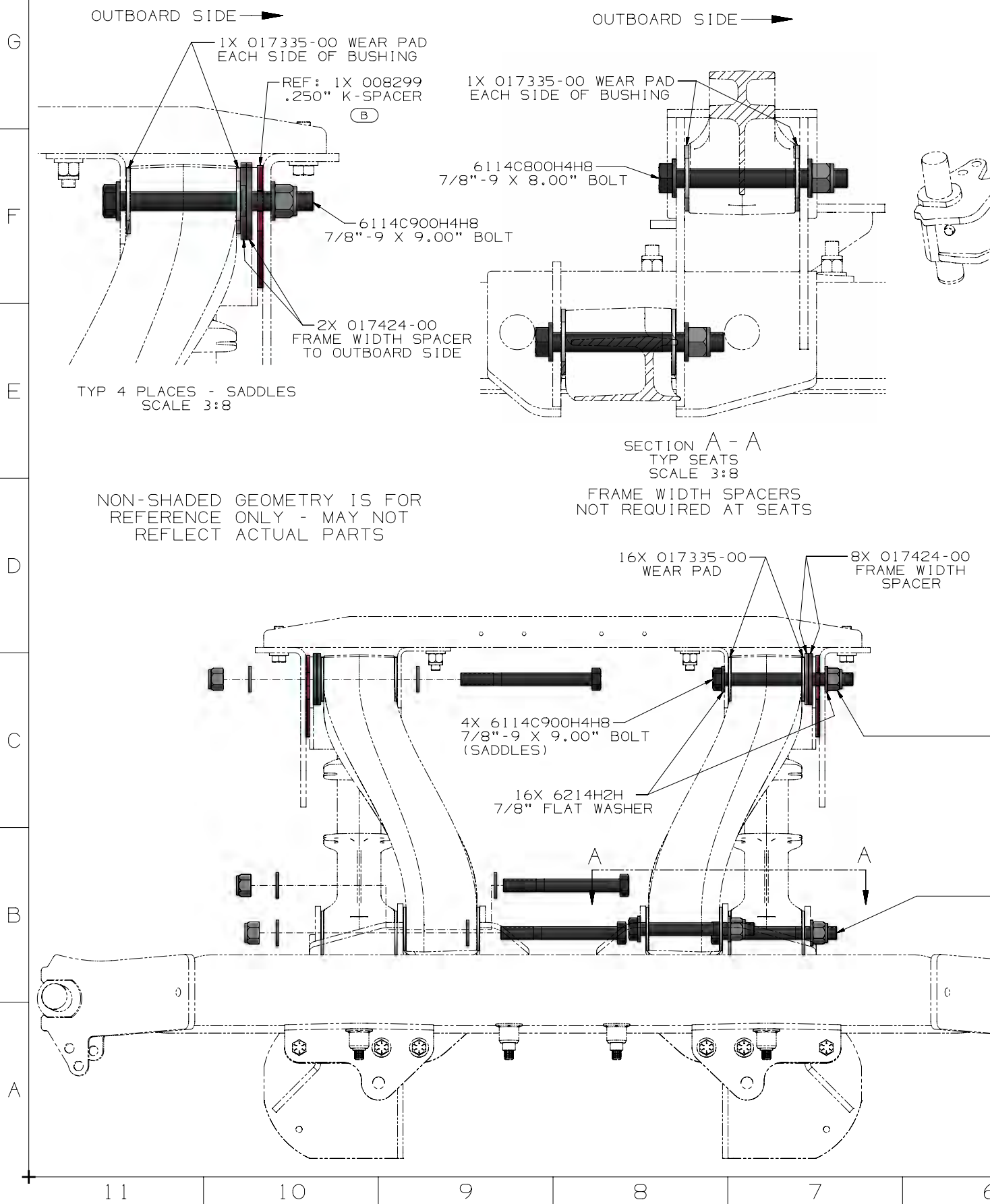
NOTE: K-SPACER (008299) TO BE LOCATED
BETWEEN THE SADDLE AND THE SIDE RAIL



HENDRICKSON Auxiliary Axle Systems		PRODUCTION
Copyright © 2023 Hendrickson. All Rights Reserved.		
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.		
☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC
DESIGNED BY A. BRADLEY	DATE 12-17-19	MADE FROM ALL
CHECKED BY D. MILLER	DATE 12-17-19	FOR MACHINING SEE SUSPENSION / PROGRAM
ENG. APPROVAL WESTNEDGE	DATE 12-17-19	FOR ASSEMBLY SEE REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES REF. BOM
G.C. APPROVAL	DATE	EQUIP. ORIG. MFG. DWG.
DESCRIPTION EXS20 PIVOT BOLT HARDWARE KIT INSTALL DWG, TRUCK, ADJ BOLT HEADS IN		
MODEL WEIGHT PART/DWG NO. 17.6 LBS. SCALE 1:4		SHEET NO. 1 OF 1 DWG. SIZE D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.

ITEM	PART NUMBER	DESCRIPTION	QTY
1	018442-0300	EXS20 PIVOT BOLT KIT - TRUCK 34.5"-35.5" FW, ADJ WIDE	1



11

10

9

8

7

6



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5

4

3

2

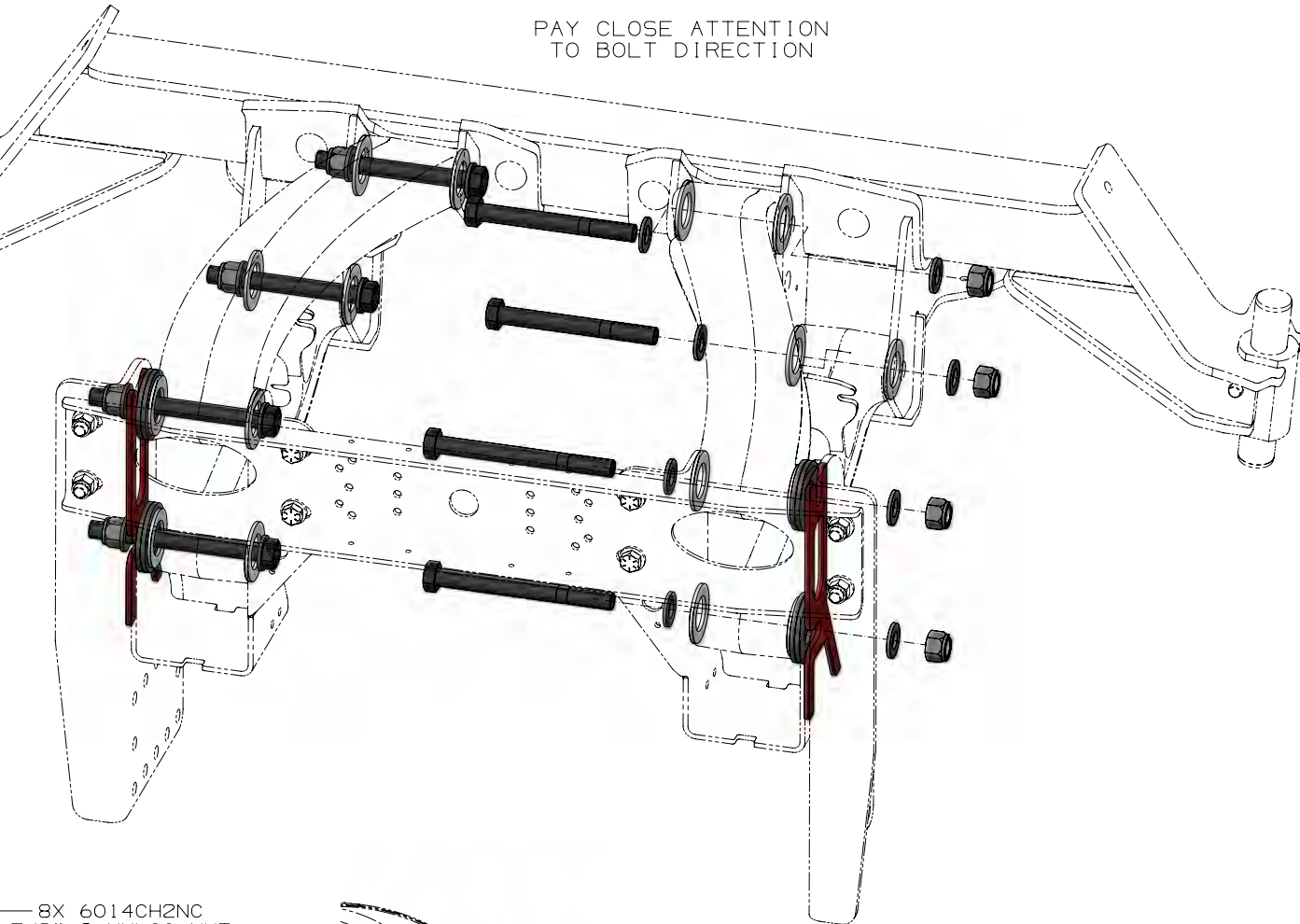
1

NOTES:

1. BOLT TORQUE SPEC: HAES 9000-023

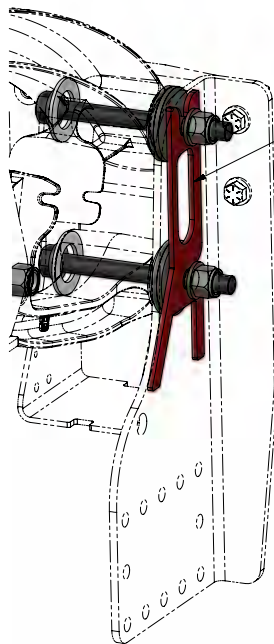
REV	ZONE	DESCRIPTION	BY	DATE	CHK	DATE	ENG	A.#	CN
A		RELEASED FOR PRODUCTION	ALB	11-04-20	DEM	11-04-20			20-0
B	G10	REVISED K-SPACER QTY CALLOUT. K-SPACER REMOVED FROM KIT	ALB	01-19-22	DEM	01-19-22			22-0
									859
									029

PAY CLOSE ATTENTION
TO BOLT DIRECTION



— 8X 6014CH2NC
7/8"-9 NYLOC NUT

— 4X 6114C800H4H8
7/8"-9 X 8.00" BOLT
(SEATS)



NOTE: K-SPACER (008299) TO BE LOCATED
BETWEEN THE SADDLE AND THE SIDE RAIL

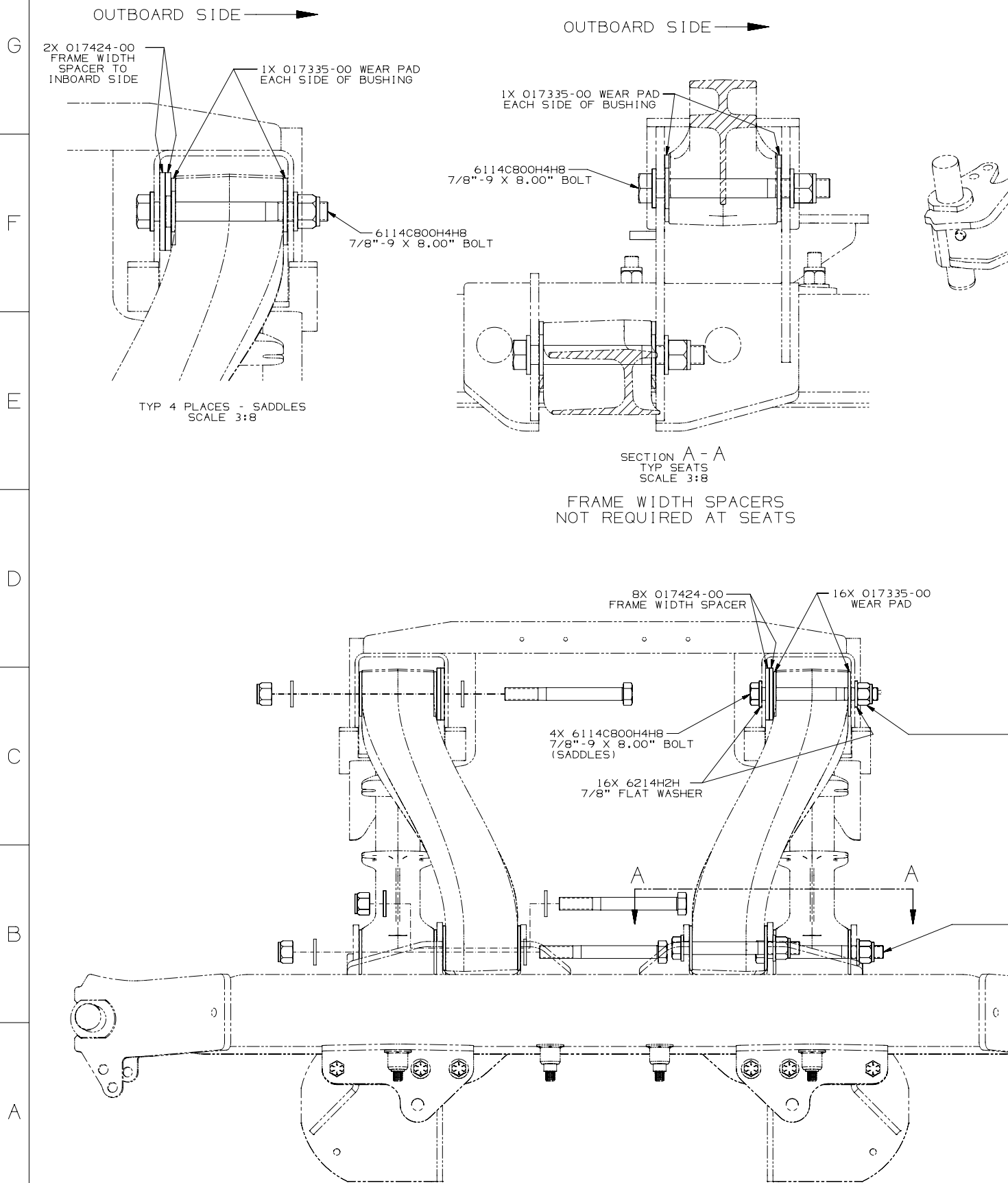
HENDRICKSON Auxiliary Axle Systems		PRODUCTION	
Copyright © 2022 Hendrickson. All Rights Reserved.			
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.			
☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A.BRADLEY	DATE 11-04-20	MAKE FROM	CUSTOMER
CHECKED BY D.MILLER	DATE 11-04-20	FOR MACHINING SEE	SUSPENSION / PROGRAM
ENG. APPROVAL WESTNEDGE	DATE 11-04-20	FOR ASSEMBLY SEE	REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES	REF. BOM
G.C. APPROVAL	DATE	EQUIP.	ORTG. MFG. DWG.
DESCRIPTION EXS20 PIVOT BOLT HARDWARE KIT INSTALL DWG, TRUCK 34.5"-35.5" FW ADJ WIDE, BOLT HEADS IN			
MODEL WEIGHT PART/DWG NO.	018442-0302		SHEET NO. 1 OF 1
SCALE 1:4			DWG. SIZE D

5

4

3

ITEM	PART NUMBER	DESCRIPTION	QTY
1	018442-0500	EXS020 PIVOT BOLT HARDWARE KIT - ROLLOFF	1



11

10

9

8

7

6



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5

4

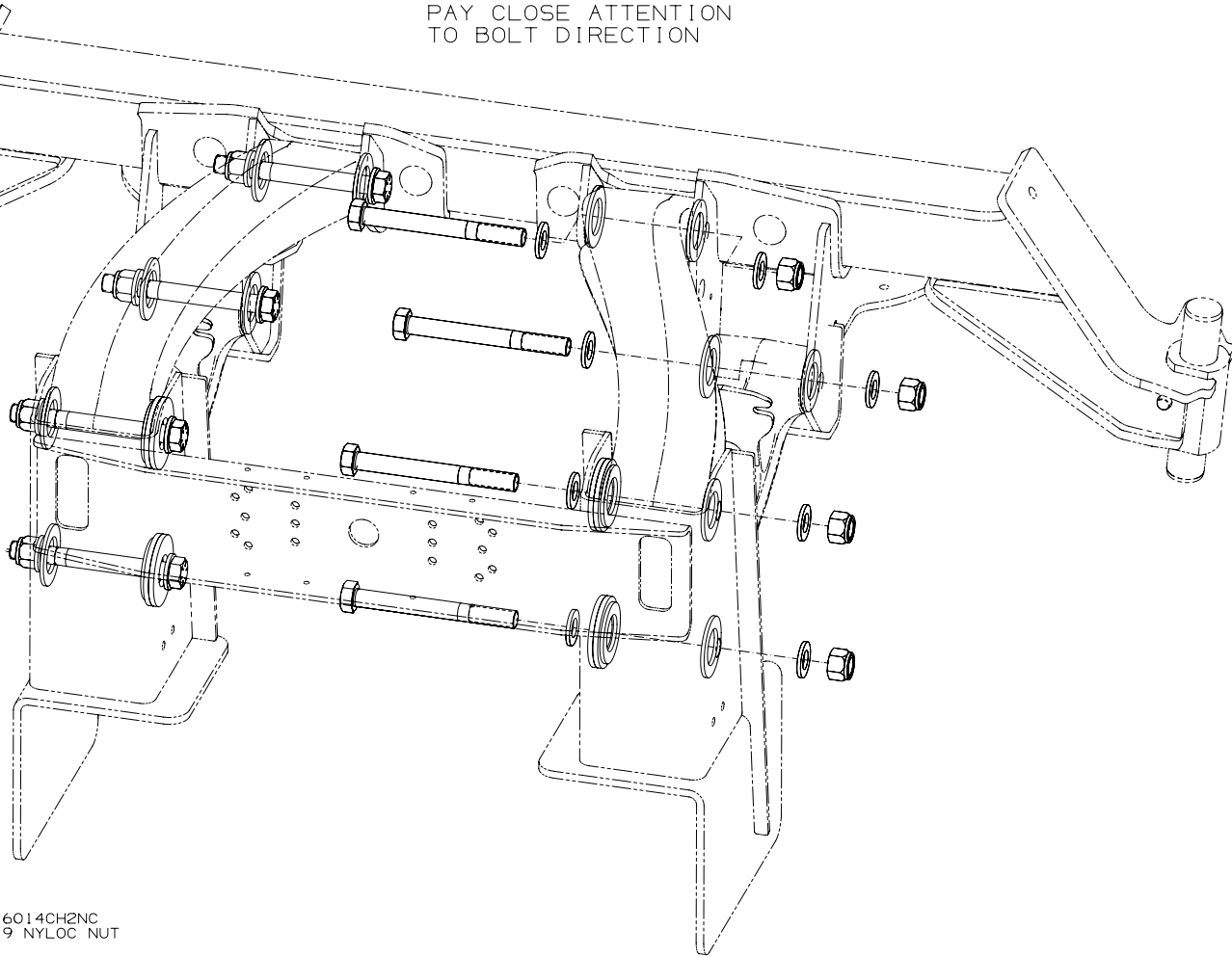
3

2

1

REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	DEM	20-0
B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-0
			02-24-20	02-24-20	02-24-20	170
			09-15-20	09-15-20	09-15-20	691

PAY CLOSE ATTENTION
TO BOLT DIRECTION



8X 6014CH2NC
7/8"-9 NYLOC NUT

4X 6114C800H4H8
7/8"-9 X 8.00" BOLT
(SEATS)

NOTES:

- INDICATES A SIGNIFICANT CHARACTERISTIC
- BOLT TORQUE SPEC: HAES 9000-023

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2020 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD FILE UPDATE ON CAD SYSTEM ONLY

METRIC

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994

DRAWN BY A. BRADLEY	DATE 02-24-20	MAKE FROM •	CUSTOMER ALL
CHECKED BY D. MILLER	DATE 02-24-20	FOR MACHINING SEE •	SUSPENSION TYPE •
ENG. APPROVAL D. MILLER	DATE 02-24-20	FOR ASSEMBLY SEE •	REF. LAYOUT •
MFG. APPROVAL •	DATE •	REPLACES •	REF. BOM •
O.C. APPROVAL •	DATE •	EQUIP. •	ORIG. MFG. DWG. •

DESCRIPTION
EXS20 PIVOT BOLT HARDWARE KIT
INSTALL DWG, ROLLOFF 33.5" FRAME
BOLT HEADS IN

MODEL WEIGHT PART/DWG NO. 16.9 LBS.	018442-0505	SHEET NO. 1 OF 1
SCALE 1:4		DWG. SIZE D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.

ITEM	PART NUMBER	DESCRIPTION	QTY
1	018442-0500	EXS020 PIVOT BOLT HARDWARE KIT - ROLLOFF	1

G

OUTBOARD SIDE →

F

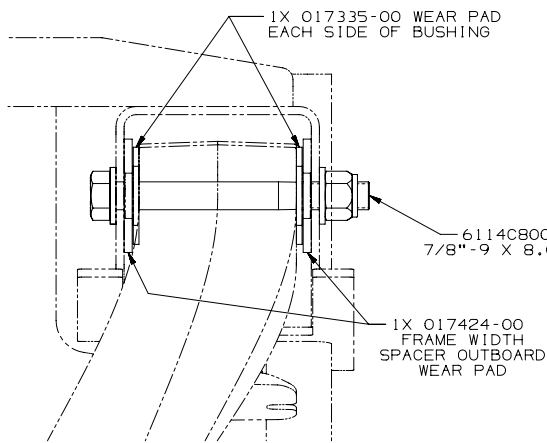
E

D

C

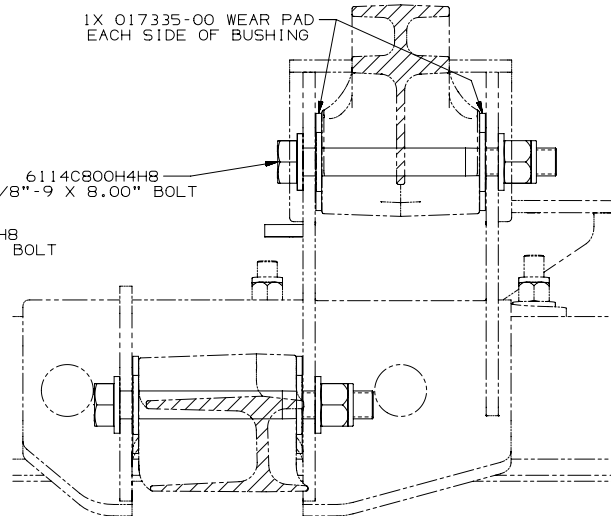
B

A



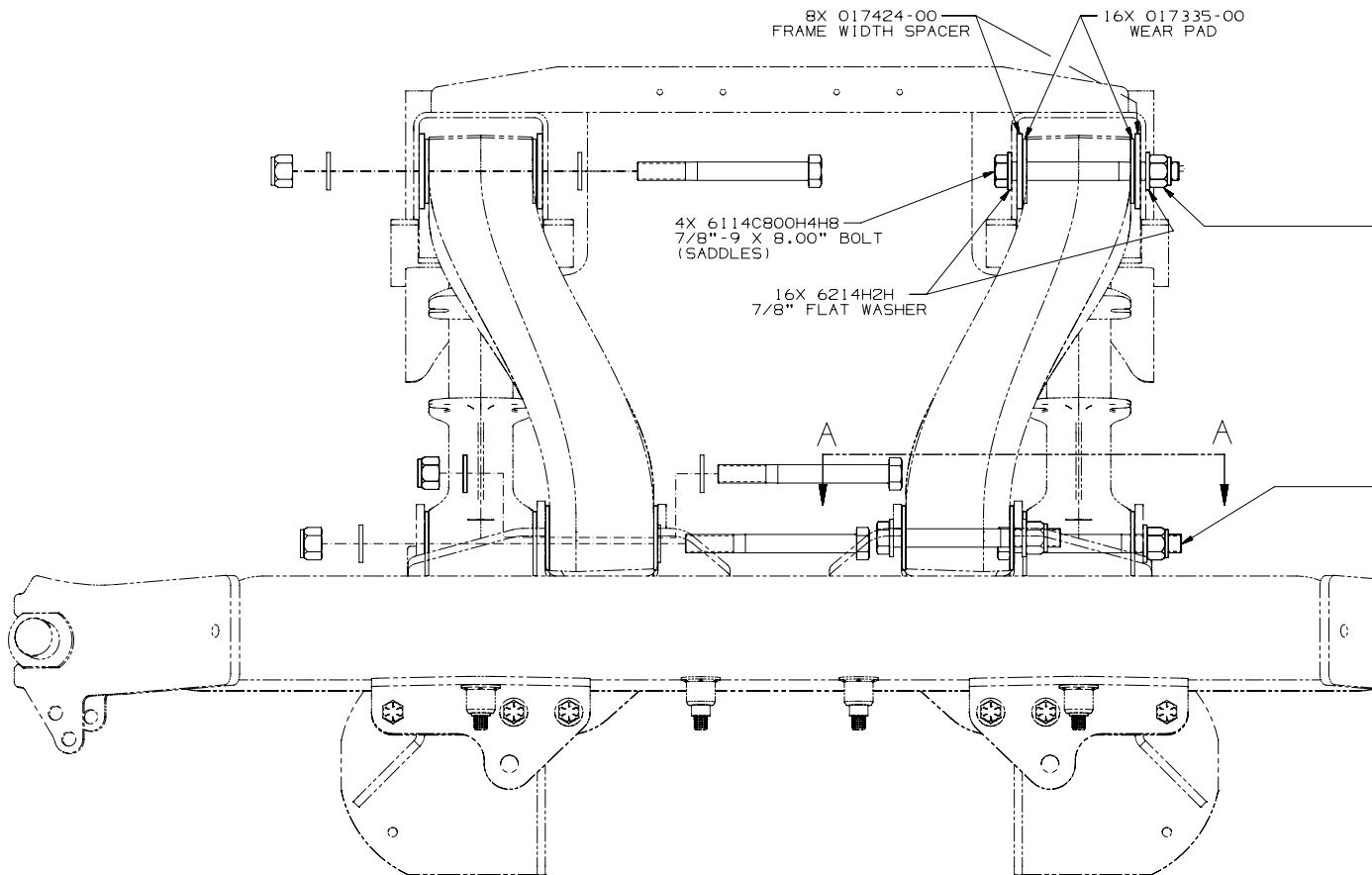
TYP 4 PLACES - SADDLES
SCALE 3:8

OUTBOARD SIDE →



SECTION A - A
TYP SEATS
SCALE 3:8

FRAME WIDTH SPACERS
NOT REQUIRED AT SEATS



11

10

9

8

7

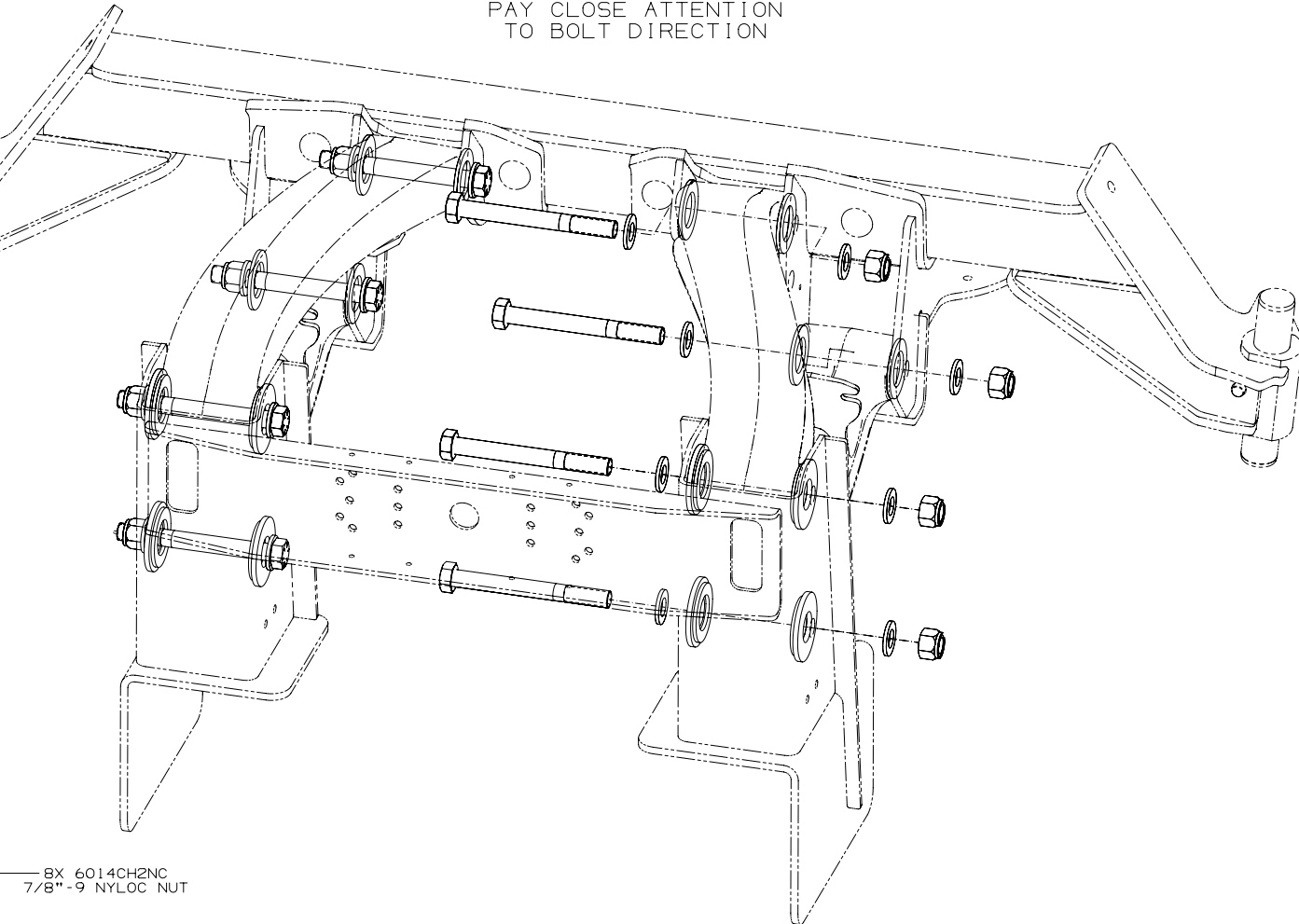
6



COMPOSITITE® EXS 20 Steerable Auxiliary Suspension Systems

REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	DEM	20-0
B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-0

PAY CLOSE ATTENTION
TO BOLT DIRECTION



8X 6014CH2NC
7/8"-9 NYLOC NUT

4X 6114C800H4H8
7/8"-9 X 6.00" BOLT
(SEATS)

NOTES:

- SC INDICATES A SIGNIFICANT CHARACTERISTIC
- BOLT TORQUE SPEC: HAES 9000-023

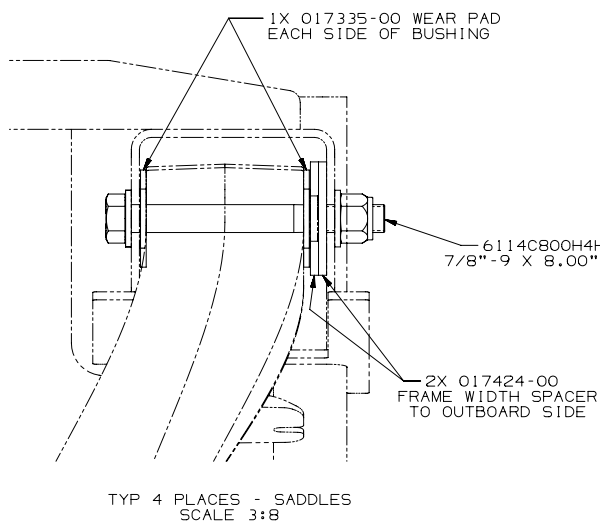
HENDRICKSON Auxiliary Axle Systems		PRODUCTION
Copyright © 2020 Hendrickson. All Rights Reserved.		
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.		
☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 02-24-20	MAKE FROM ALL
CHECKED BY D. MILLER	DATE 02-24-20	FOR MACHINING SEE SUSPENSION TYPE
ENG. APPROVAL D. MILLER	DATE 02-24-20	FOR ASSEMBLY SEE REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES REF. BOM
G.C. APPROVAL	DATE	EQUIP. ORIG. MFG. DWG.
DESCRIPTION EXS20 PIVOT BOLT HARDWARE KIT INSTALL DWG, ROLLOFF 34" FRAME BOLT HEADS IN		
MODEL WEIGHT PART/DWG NO. 7.8 LBS.	SHEET NO. 1 OF 1	
SCALE 1:4	DWG. SIZE D	

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.

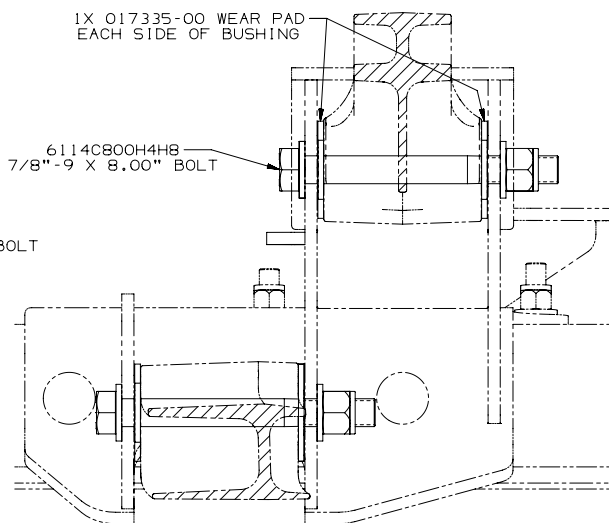
ITEM	PART NUMBER	DESCRIPTION	QTY
1	018442-0500	EXS020 PIVOT BOLT HARDWARE KIT - ROLLOFF	1

G
F
E
D
C
B
A

OUTBOARD SIDE →

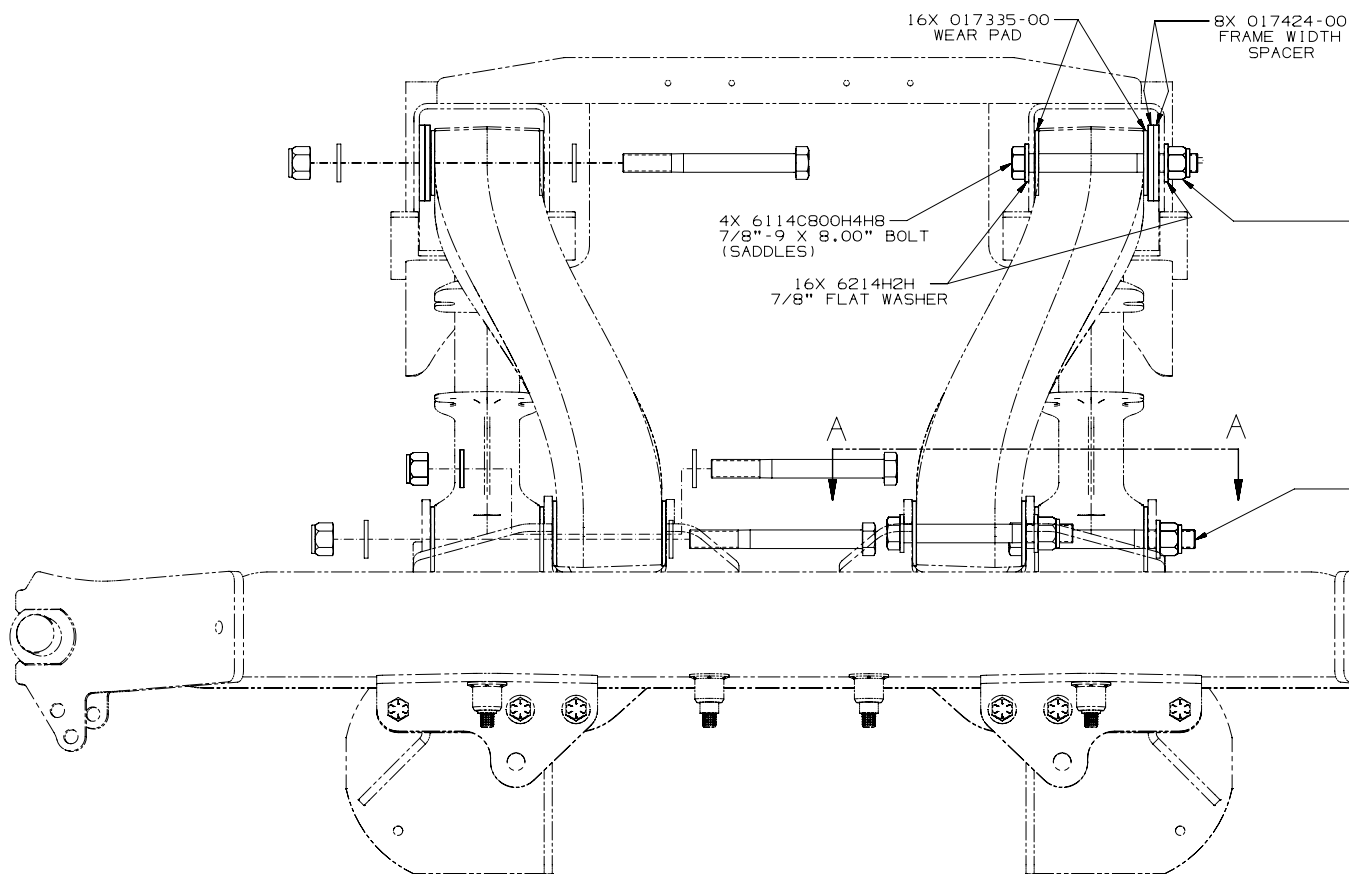


OUTBOARD SIDE →



SECTION A - A
TYP SEATS
SCALE 3:8

FRAME WIDTH SPACERS
NOT REQUIRED AT SEATS



11

10

9

8

7

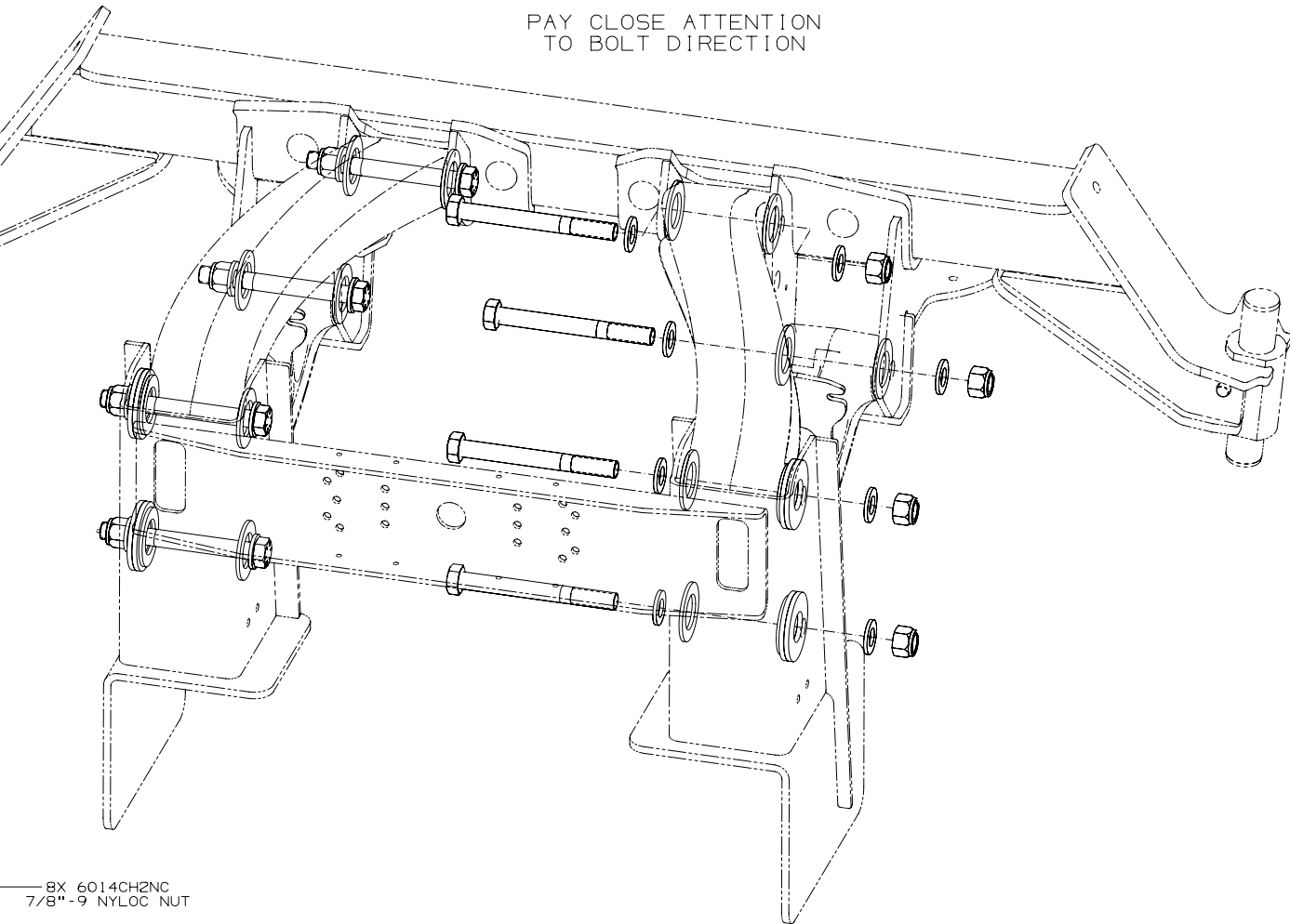
6



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

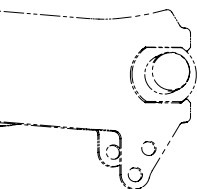
REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	DEM	20-0
B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-0

PAY CLOSE ATTENTION
TO BOLT DIRECTION



8X 6014CH2NC
7/8"-9 NYLOC NUT

4X 6114C800H4H8
7/8"-9 X 8.00" BOLT
(SEATS)



NOTES:

- SC INDICATES A SIGNIFICANT CHARACTERISTIC
- BOLT TORQUE SPEC: HAES 9000-023

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2020 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 02-24-20	MAKE FROM .	CUSTOMER ALL
CHECKED BY D. MILLER	DATE 02-24-20	FOR MACHINING SEE .	SUSPENSION TYPE .
ENG. APPROVAL D. MILLER	DATE 02-24-20	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
G.C. APPROVAL .	DATE .	EQUIP. .	ORIG. MFG. DWG. .

DESCRIPTION
EXS20 PIVOT BOLT HARDWARE KIT
INSTALL DWG, ROLLOFF 34.5" FRAME
BOLT HEADS IN

MODEL WEIGHT PART/DWG NO.

16.9 LBS.

SCALE

1:4

018442-0506

SHEET NO.

1 OF 1

DWG. SIZE

D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.

COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems



ITEM	PART NUMBER	DESCRIPTION	QTY
1	018442-0200	EXS20 PIVOT BOLT HARDWARE KIT - TRAILER	1

G
F
E
D
C
B
A

OUTBOARD SIDE →

017335-00 WEAR PAD
ONE EACH SIDE OF BUSHING

TYP 8 PLACES
SCALE 1:2

16X 017335-00
WEAR PAD

8X 6114C800H4H8
7/8"-9 X 8.00" BOLT



COMPOSITITE® EXS 20 Steerable Auxiliary Suspension Systems

5

4

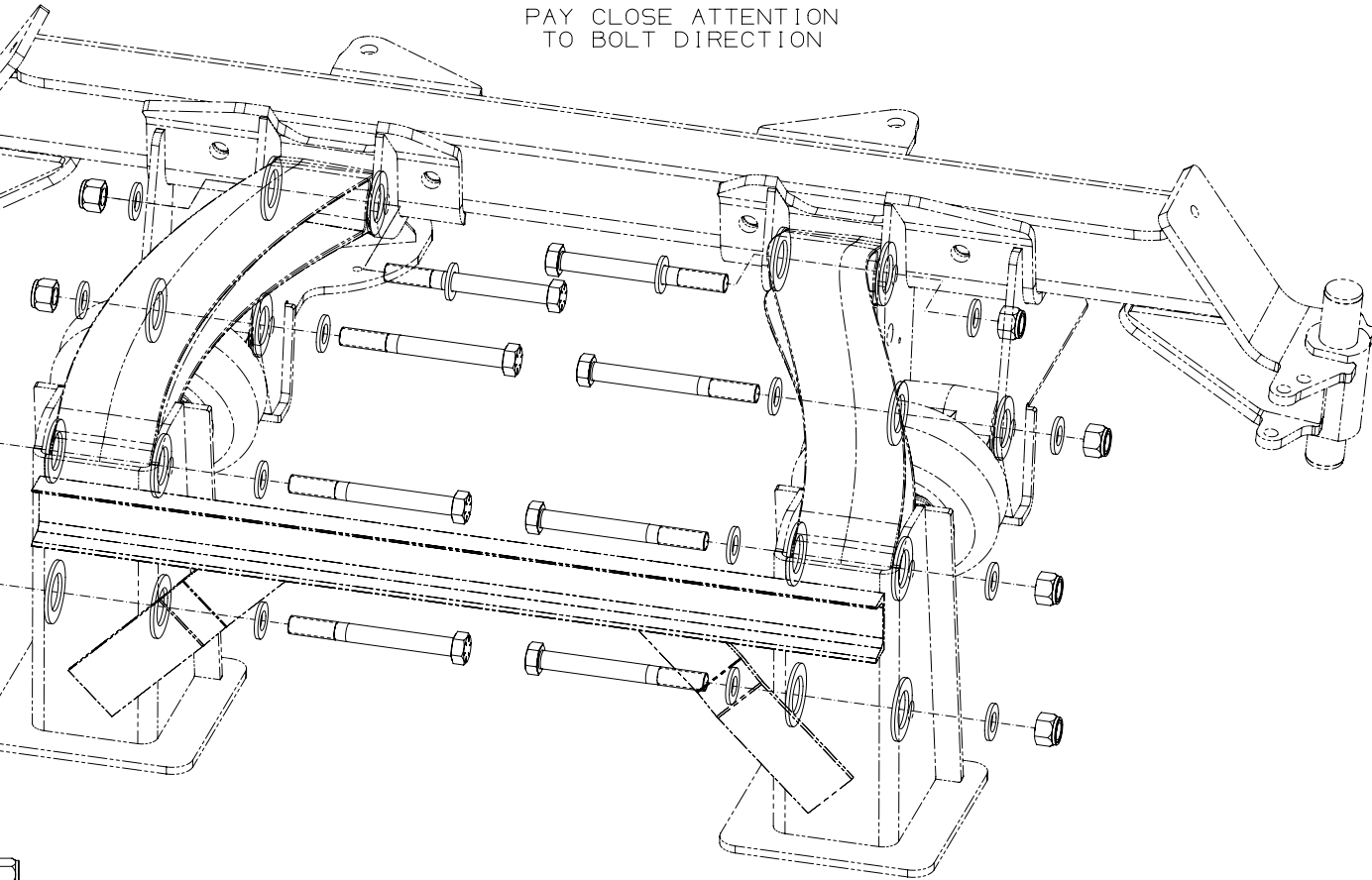
3

2

1

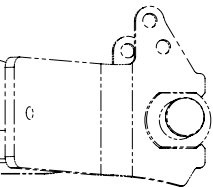
REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	A. #	20-0
B	A5	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-0
			09-14-20	09-14-20	09-14-20	691

PAY CLOSE ATTENTION
TO BOLT DIRECTION



8X 6014CH2NC
7/8"-9 NYLOC NUT

16X 6214H2H
7/8" FLAT WASHER



NOTES:

- SC INDICATES A SIGNIFICANT CHARACTERISTIC
- BOLT TORQUE SPEC: HAES 9000-023

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2020 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 12-17-19	MAKE FROM .	CUSTOMER ALL
CHECKED BY D. MILLER	DATE 12-17-19	FOR MACHINING SEE .	SUSPENSION TYPE .
ENG. APPROVAL WESTNEDGE	DATE 12-17-19	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
G.C. APPROVAL .	DATE .	EQUIP. .	ORIG. MFG. DWG. .

DESCRIPTION
EXSW20 PIVOT BOLT HARDWARE KIT
INSTALL DWG, TRAILER
BOLT HEADS IN

MODEL WEIGHT PART/DWG NO.

16.3 LBS.

SCALE

1:4

018442-0202

SHEET NO.

1 OF 1

DWG. SIZE

D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.



COMPOSITELITE® EXS 20 Steerable Auxiliary Suspension Systems

5

4

3

2

1

REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	JFS	JFS	23-0
			07-26-23	07-26-23	07-26-23	233

NON-SHADED GEOMETRY IS FOR
REFERENCE ONLY - MAY NOT
REFLECT ACTUAL PARTS

G

F

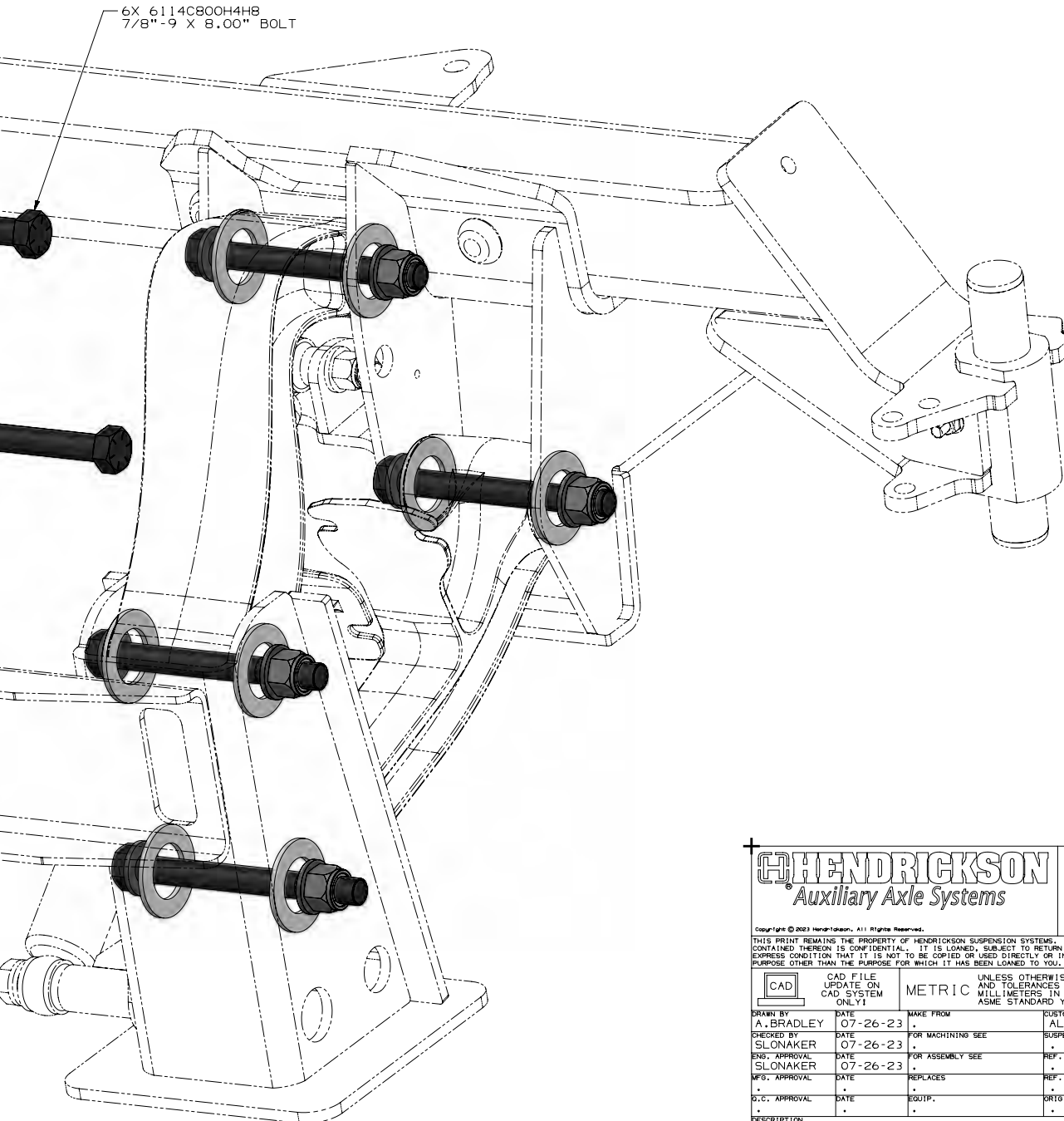
E

D

C

B

A



HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2023 Hendrickson. All Rights Reserved.THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
------------	---	---------------	--

DRAWN BY A. BRADLEY	DATE 07-26-23	MAKE FROM .	SUPPLIER ALL
CHECKED BY SLONAKER	DATE 07-26-23	FOR MACHINING SEE .	SUSPENSION / PROGRAM .
ENG. APPROVAL SLONAKER	DATE 07-26-23	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
G.C. APPROVAL .	DATE .	EQUIP. .	ORTG. MFG. DWG. .

DESCRIPTION
EXS20 PIVOT BOLT HARDWARE KIT
FOR VERTICAL SHOCKS
INSTALL DWG TRAILER

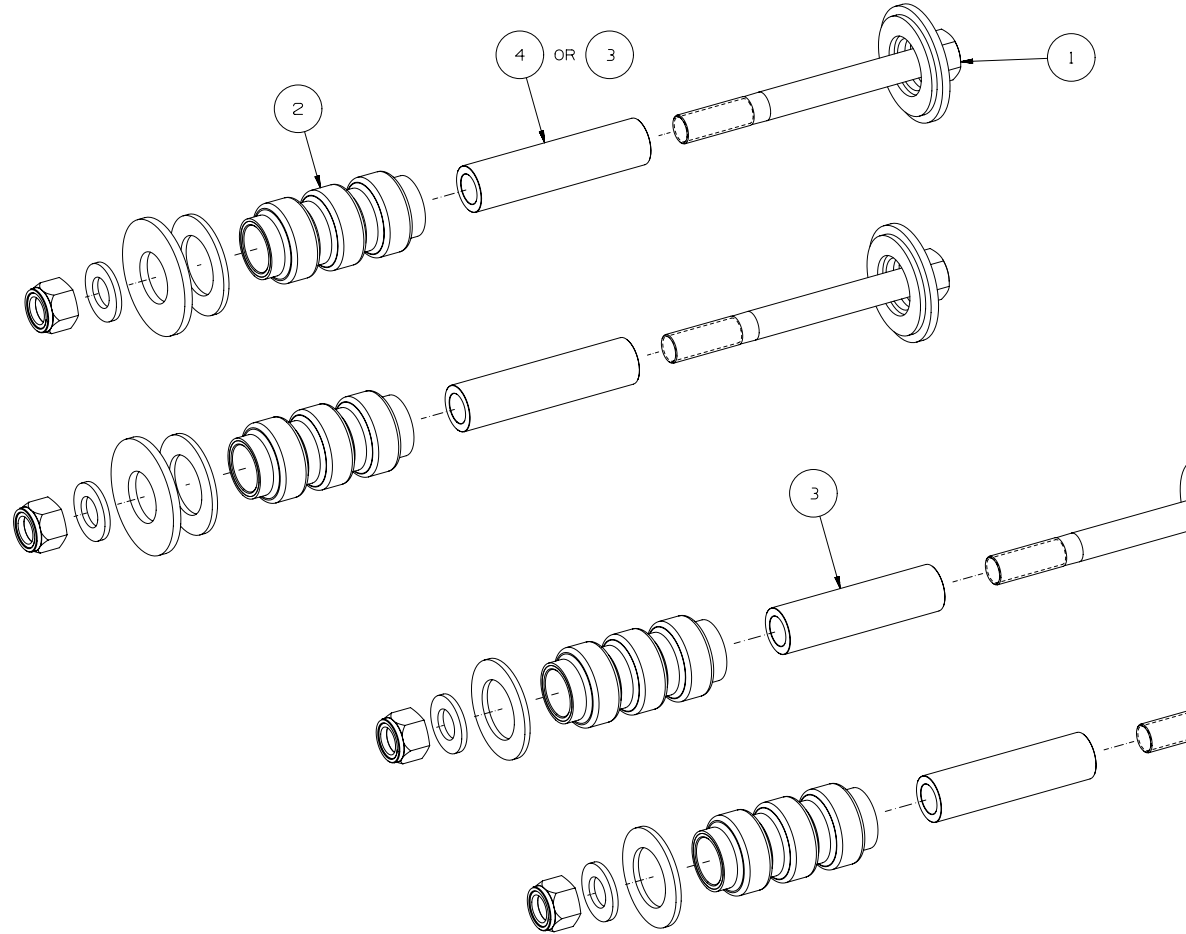
MODEL WEIGHT PART/DWG NO. 16 LBS.	SHEET NO. 1 OF 2
SCALE NONE	DWG. SIZE D
018442-1001	

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.



NOTES:

1. APPLY LUBRICANT A-14011 TO BUSHING PRIOR TO PRESSING INTO BEAM
2. BUSHING AND INNER METAL MUST BE PRESSED INTO THE PARALLEL BEAM AT THE SAME TIME.
3. BOLT TORQUE SPEC: HAES 9000-023
4. KITS WITH BOTH ITEM #3 & #4, SHORTER INNER METALS GO ON AXLE SIDE



B

ITEM	DESCRIPTION	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	PIVOT BOLT KIT	R-020676-0100	1	R-020676-0200	1	R-020676-0300	1	R-020676-0400	1
2	RUBBER BUSHING .241" OD X 1.416" ID X 5.19" L	017487-00	8	017487-00	8	017487-00	8	017487-00	8
3	DOME TUBING 1.399" OD X .903" ID X 5.24" L	017488-01	4	017488-01	4	017488-01	4	017488-01	4
4	DOME TUBING 1.399" OD X .903" ID X 5.74" L	017488-02	4	--	--	017488-02	4	017488-02	4
5	LUBE PACK	A-14011	4	A-14011	4	A-14011	4	A-14011	4

A

PIVOT BOLT INSTALLATION DRAWINGS	SEE PIVOT BOLT INSTALL DRAWINGS							
	TRUCK 33.5" FRAME WIDTH	018442-0105	NA	NA	NA	NA	NA	NA
	TRUCK 34.0" FRAME WIDTH AND SIDE MOUNT TRAILER	018442-0104						
	TRUCK 34.5" FRAME WIDTH	018442-0106	018442-0202	NA	018442-0302	NA	018442-0402	NA
	UNDER MOUNT TRAILER							
	TRUCK 34.5"-35.5" ADJUSTABLE FRAME WIDTH		NA	NA	NA	NA	NA	NA
	TRUCK 33.5"-34.5" ADJUSTABLE FRAME WIDTH							
	ROLLOFF 33.5" FRAME WIDTH							
	ROLLOFF 34.0" FRAME WIDTH							
	ROLLOFF 34.5" FRAME WIDTH							
	UNDER MOUNT TRAILER W/VERTICAL SHOCKS							
	VOLVO W/VERTICAL SHOCK							

11

10

9

8

7

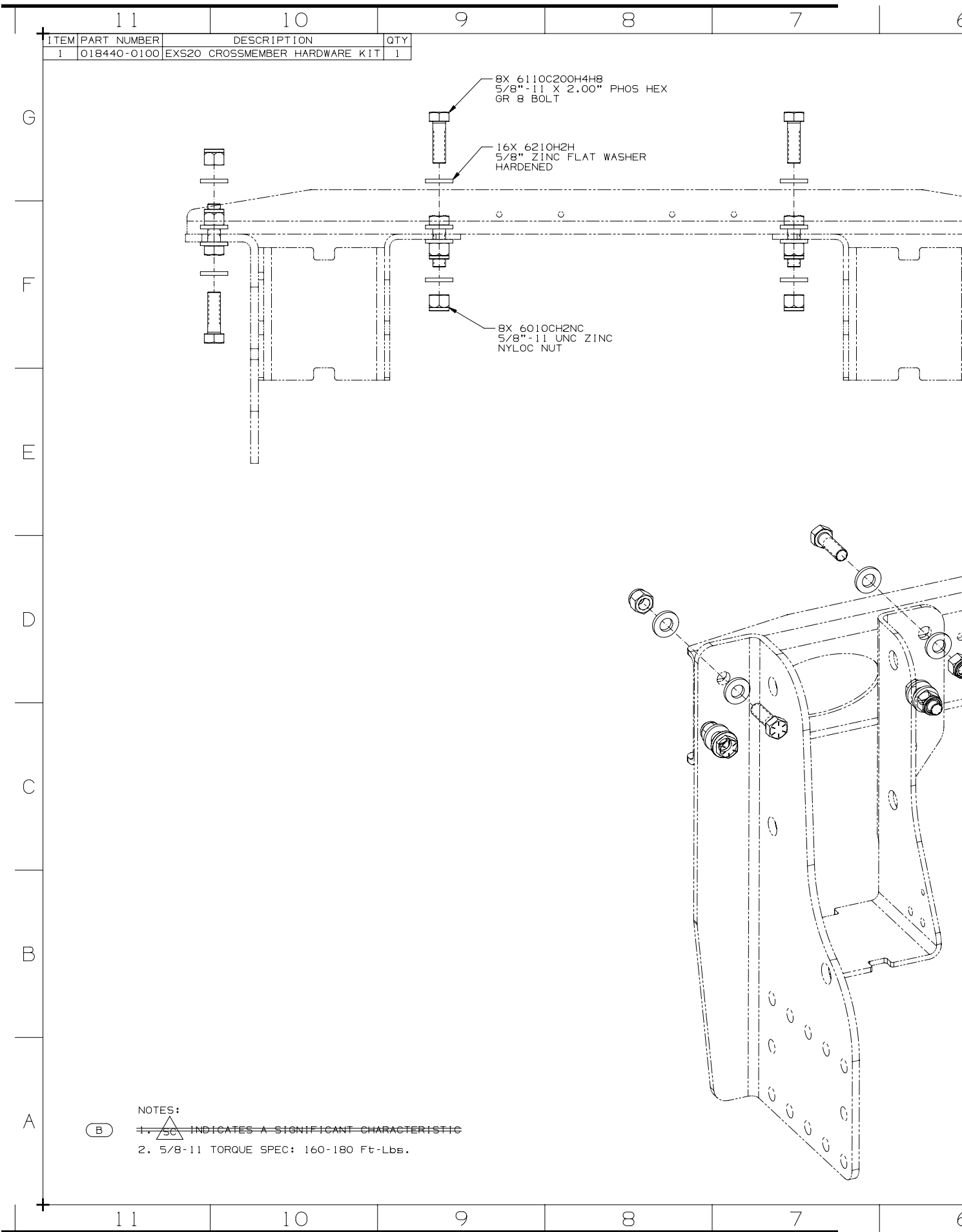
6



Diagram illustrating the rear axle assembly components, specifically the axle side. The central component is the axle, labeled "AXLE SIDE". The diagram shows the axle with the axle nut and washer assembly, and the axle nut and washer assembly being installed onto the axle. The diagram also shows the axle nut and washer assembly being installed onto the axle.

 HENDRICKSON Auxiliary Axle Systems		PRODUCT ION	
Copyright © 2023 Hendrickson. All Rights Reserved. THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREIN IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.			
 CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY.	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 07-26-23	MAKE FROM	CUSTOMER ALL
CHECKED BY SLONAKER	DATE 07-26-23	FOR MACHINING SEE	SUSPENSION / PROGRAM
ENG. APPROVAL SLONAKER	DATE 07-26-23	FOR ASSEMBLY SEE	REF. LAYOUT
MFG. APPROVAL .	DATE .	REPLACES	REF. BOM
D.C. APPROVAL .	DATE .	EQUIP. .	DRS, MFG. DWS.
DESCRIPTION			
EXS20 PIVOT BOLT/BUSHING R-PART KIT MASTER CHARTED DWG			
MODEL WEIGHT 32.0 LBS	PART/DWG NO.	1 OF 1	SHEET NO.
SCALE NONE	020676 - 0000	DWG. SIZE	DWG. SIZE

COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

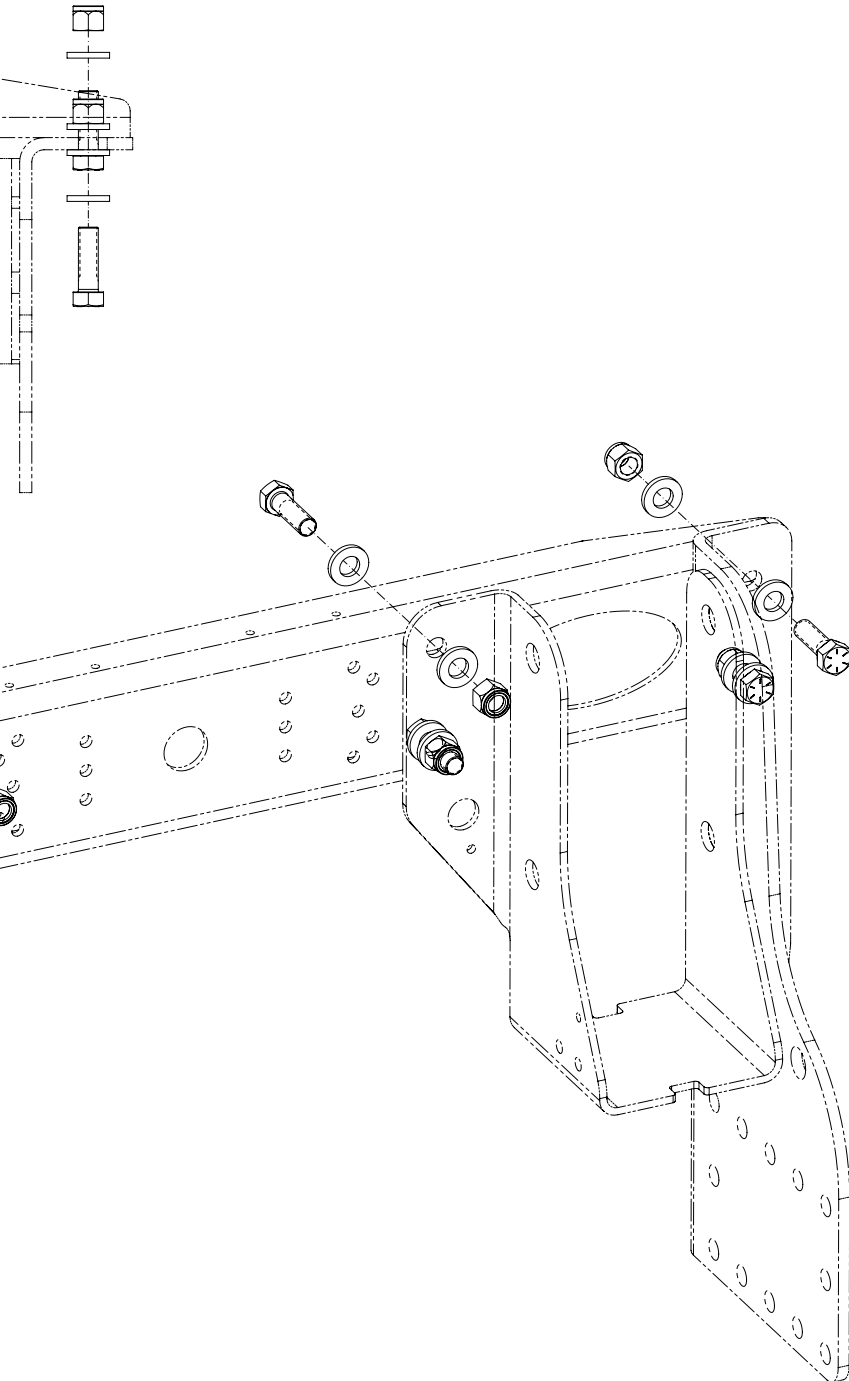


- NOTES:
- 1. INDICATES A SIGNIFICANT CHARACTERISTIC
 - 2. 5/8-11 TORQUE SPEC: 160-180 Ft-Lbs.



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

PAY CLOSE ATTENTION
TO BOLT DIRECTION



REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	19-0
B	A11	RMVD NOTE #1 & "SC" CALLOUT	ALB	DEM	DEM	20-0
			09-14-20	09-14-20	09-14-20	691

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2020 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.



CAD FILE
UPDATE ON
CAD SYSTEM
ONLY

METRIC

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994

DRAWN BY A. BRADLEY	DATE 11-15-19	MAKE FROM ALL	CUSTOMER ALL
CHECKED BY D. MILLER	DATE 11-15-19	FOR MACHINING SEE .	SUSPENSION TYPE .
ENG. APPROVAL WESTNEDGE	DATE 11-15-19	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
D.C. APPROVAL .	DATE .	EQUIP. .	ORIG. MFG. DWG. .

DESCRIPTION
EXS20 CROSSMEMBER HARDWARE KIT
INSTALL DWG, STANDARD

MODEL WEIGHT PART/DWG NO. 3.65 LBS.	018440-0101	SHEET NO. 1 OF 1
SCALE 3:8		DWG. SIZE D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.



	11		10		9		8		7		6
ITEM	PART NUMBER	DESCRIPTION				QTY					
1	018948-0100	EXS20 RIDE SPRING HARDWARE KIT - TRUCK				1					

G

F

E

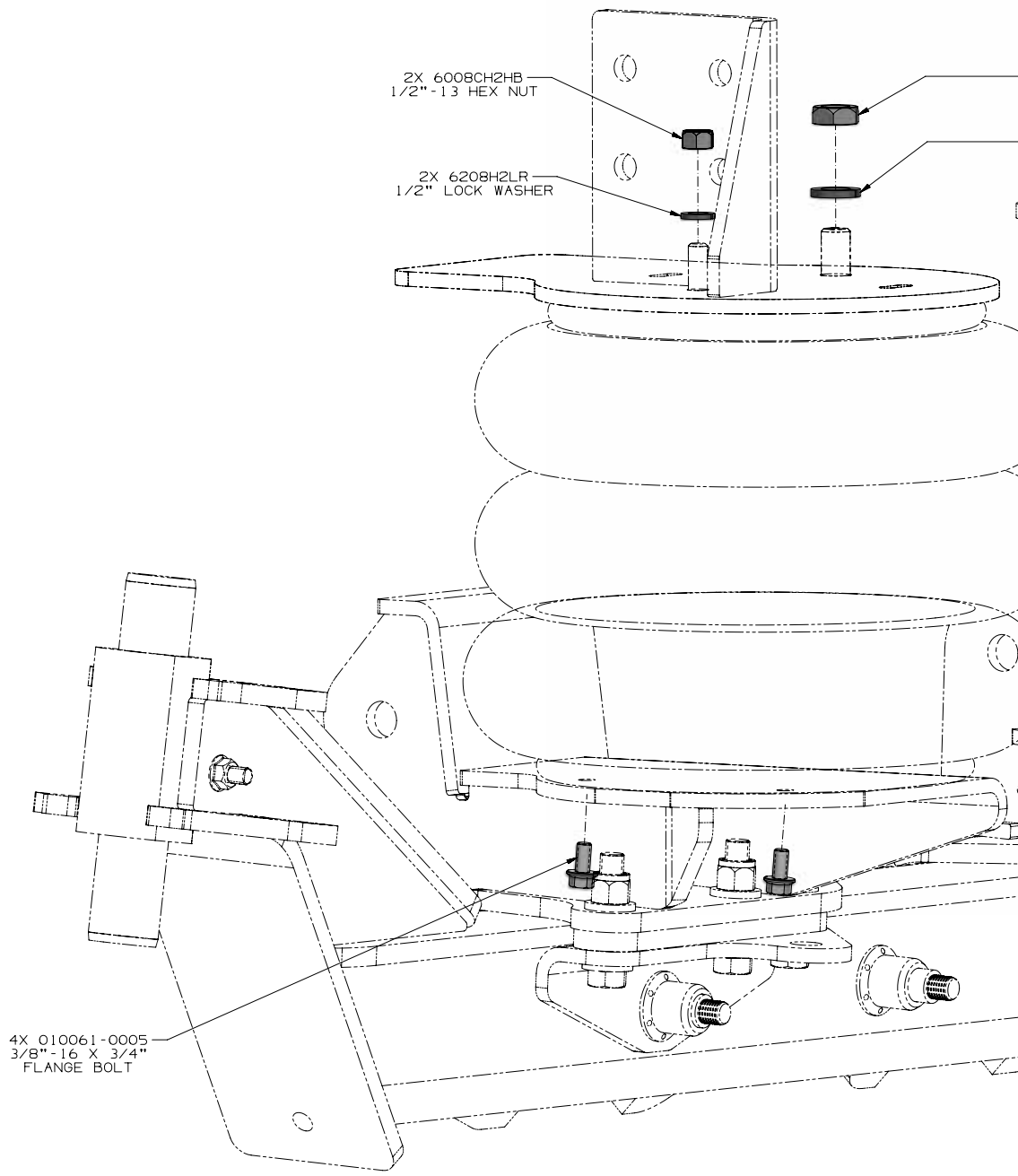
D

C

B

A

NOTE:
1. TORQUES VALUES
3/8"-16 BOLT: 25-30 FT/LBS
1/2"-13 NUT: 45-50 FT/LBS
3/4"-16 NUT: 45-50 FT/LBS

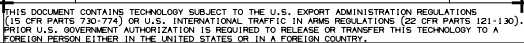




2X 6012FH2JB
3/4"-16 JAM NUT

2X 6212H2LR
3/4" LOCK WASHER

A





COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

REV	ZONE	DESCRIPTION	BY	CHK	ENG	DATE	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	11-12-19	19-0733
B	B8	3/8 BOLTS WERE IN OUTBOARD SEAT HOLES. REVISED TO SHOW RVS ROLL-OFF A/S PLATES	ALB	DEM	DEM	02-24-20	20-0170
C		010061-0005 WAS 6106C100H4H5	SAK	JHS	AP	01-25-21	21-0066

<



ITEM	PART NUMBER	DESCRIPTION	QTY
1	018948-0100	EXS20 RIDE SPRING HARDWARE KIT - TRUCK	1

NOTE:

1. TORQUES VALUES

3/8"-16 BOLT: 25-30 FT/LBS

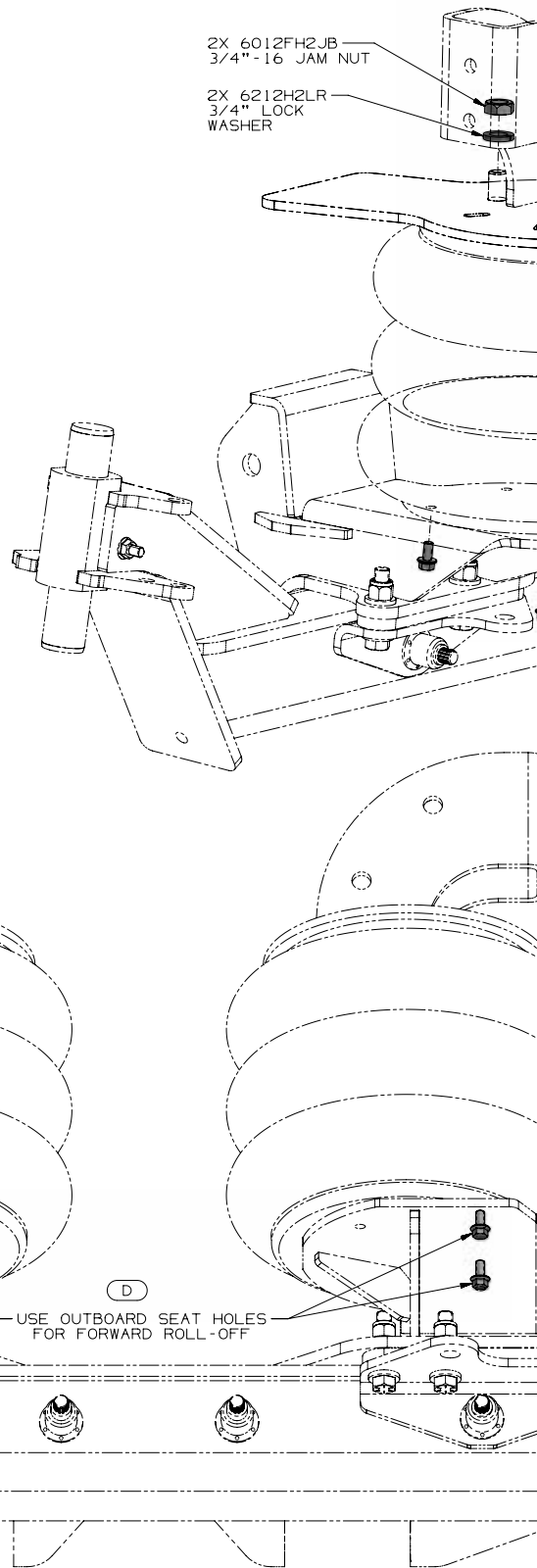
1/2"-13 NUT: 45-50 FT/LBS

3/4"-16 NUT: 45-50 FT/LBS

2X 6208H2LR
1/2" LOCK WASHER

2X 6012FH2JB
3/4"-16 JAM NUT

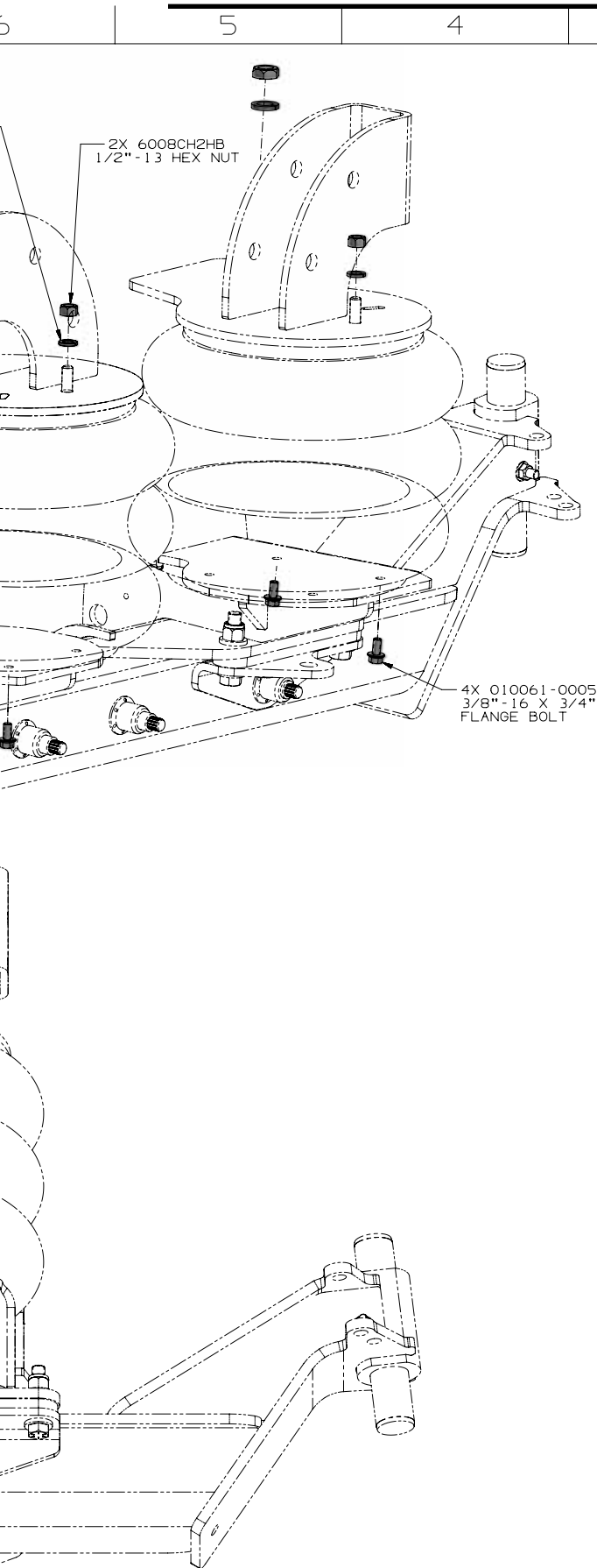
2X 6212H2LR
3/4" LOCK WASHER



USE OUTBOARD SEAT HOLES
FOR FORWARD ROLL-OFF



COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems



REV	ZONE	DESCRIPTION	BY	DATE	CHK	DATE	ENG	DATE	CN
A		RELEASED FOR PRODUCTION	ALB	11-12-19	DEM	11-12-19	A.W	11-12-19	19-0733
B		OUTBOARD HOLES WAS MIDDLE HOLES. REVISED TO SHOW FORWARD ROLL-OFF A/S PLATES	ALB	02-24-20	DEM	02-24-20	DEM	02-24-20	20-0170
C		010061-0005 WAS 6106C100H4H5	SAK	01-25-21	JHS	01-25-21	AP	01-25-21	21-0066
D	B8	"FORWARD" WAS "REVERSE"	ALB	01-18-23	JHS	01-18-23	JAG	01-18-23	21-0687

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2023 Hendrickson. All Rights Reserved.

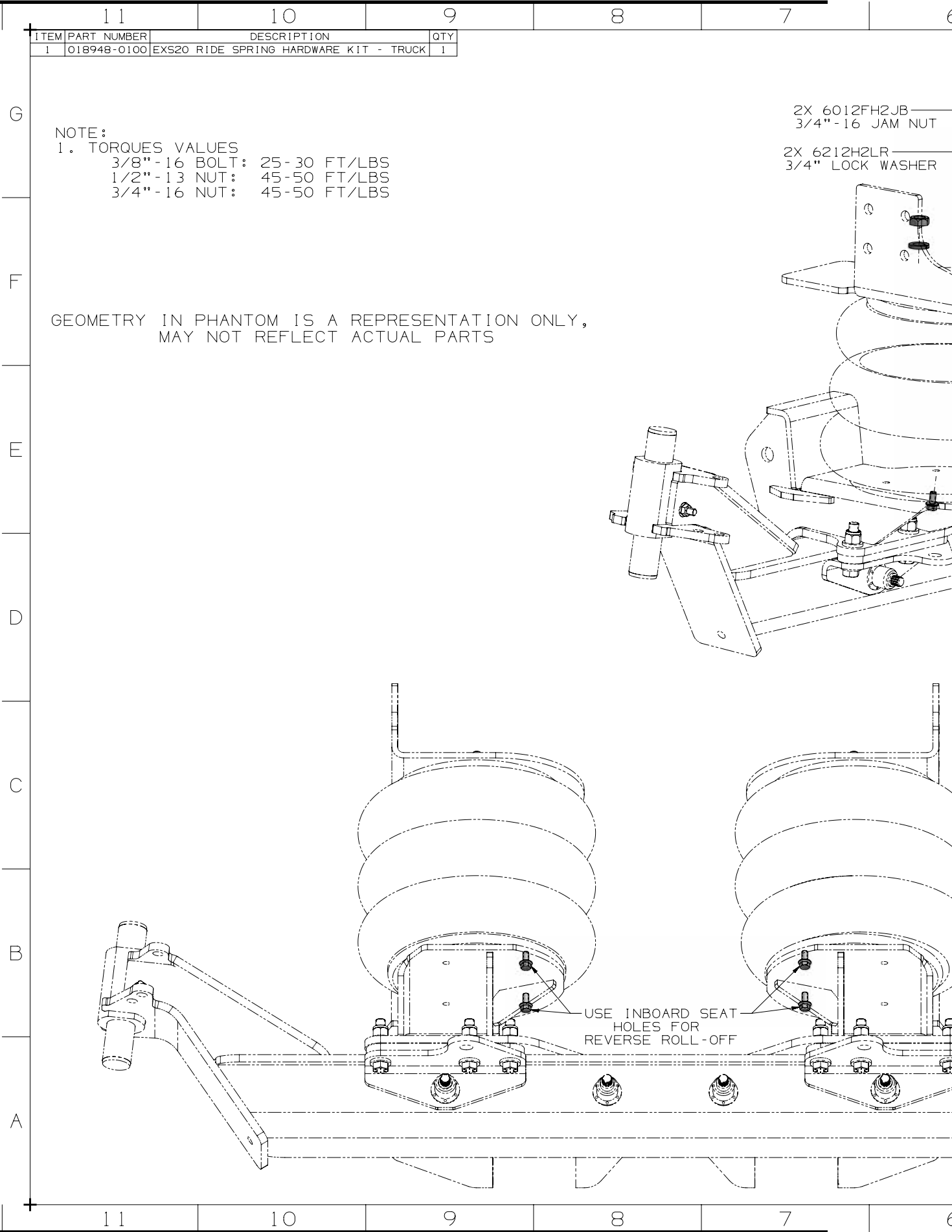
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 11-12-19	MAKE FROM	CUSTOMER
CHECKED BY D. MILLER	DATE 11-12-19	FOR MACHINING SEE	SUSPENSION / PROGRAM
ENG. APPROVAL WESTNEDGE	DATE 11-12-19	FOR ASSEMBLY SEE	REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES	REF. BOM
D.C. APPROVAL	DATE	EQUIP.	ORIG. MFG. DWG.
DESCRIPTION			

EXS20 RIDE SPRING HARDWARE KIT
INSTALL DWG, ROLL-OFF (FORWARD)

MODEL WEIGHT PART/DWG NO.	SHEET NO.
.59 LBS.	1 OF 1
SCALE	DWG. SIZE
NONE	D

THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.





COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5	4	3	2	1				
REV			ZONE	DESCRIPTION	BY	CHK	ENG	CN
A				RELEASED FOR PRODUCTION	ALB	DEM	DEM	21-0
					08-04-21	08-04-21	08-04-21	516

2X 6008CH2HB
1/2"-13 HEX NUT

2X 6208H2LR
1/2" LOCK WASHER

INSTALL AIR SPRING AT
OUTBOARD EDGE OF
AIR SPRING PLATE SLOT

4X 010061-0005
3/8"-16 X 3/4"
FLANGE BOLT

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2021 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD CAD FILE UPDATE ON CAD SYSTEM ONLY

METRIC UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994

DRAWN BY	A. BRADLEY	DATE	08-04-21	MAKE FROM	ALL	CUSTOMER	
CHECKED BY	D. MILLER	DATE	08-04-21	FOR MACHINING SEE	.	SUSPENSION TYPE	
ENG. APPROVAL	D. MILLER	DATE	08-04-21	FOR ASSEMBLY SEE	.	REF. LAYOUT	
MFG. APPROVAL	.	DATE	.	REPLACES	.	REF. BOM	
O.C. APPROVAL	.	DATE	.	EQUIP.	.	ORIG. MFG. DWG.	

DESCRIPTION

EXS20 RIDE SPRING HARDWARE KIT
INSTALL DWG, ROLL-OFF
(REVERSE, OUTBOARD MOUNT)

MODEL WEIGHT PART/DWG NO.

SCALE

NONE

018948-0104

SHEET NO.
1 OF 1

DWG. SIZE
D



ITEM	PART NUMBER	DESCRIPTION	QTY
1	018948-0100	EXS20 RIDE SPRING HARDWARE KIT - TRUCK	1

NOTE:

1. TORQUES VALUES

3/8"-16 BOLT: 25-30 FT/LBS

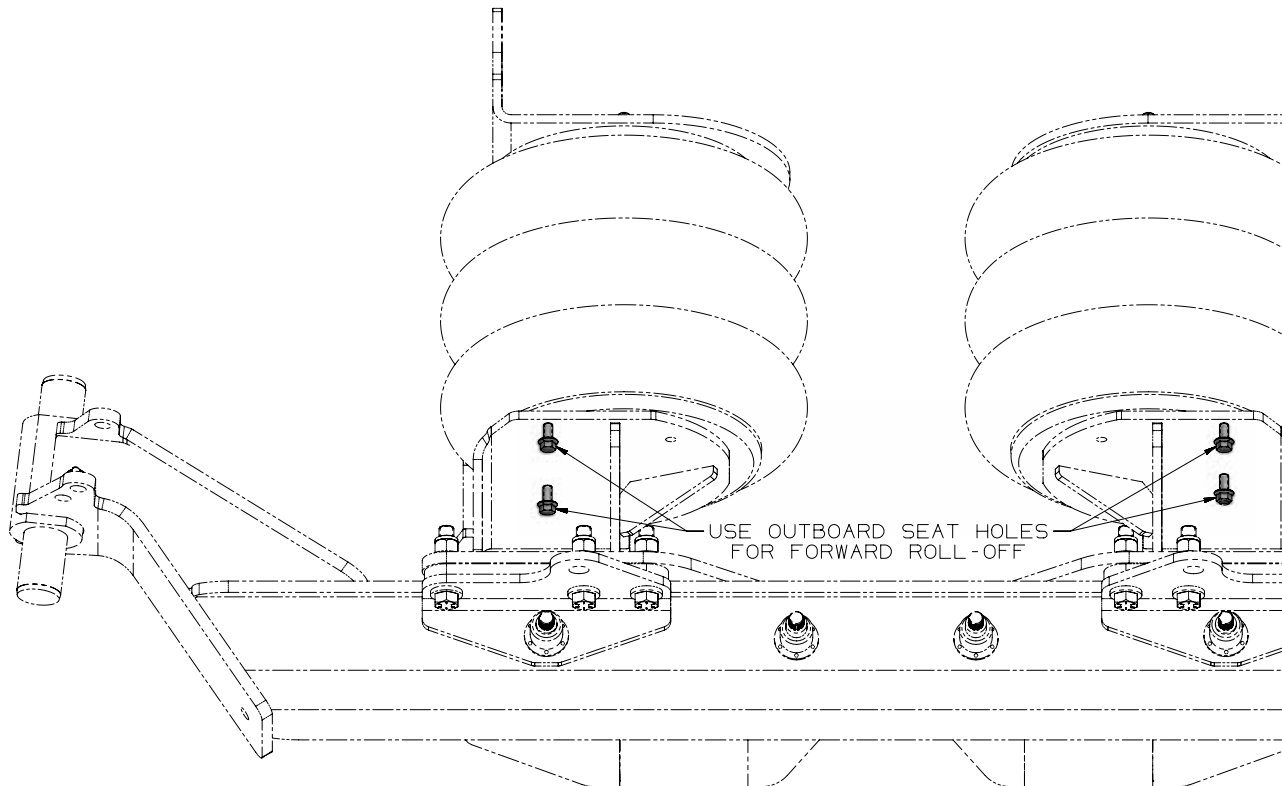
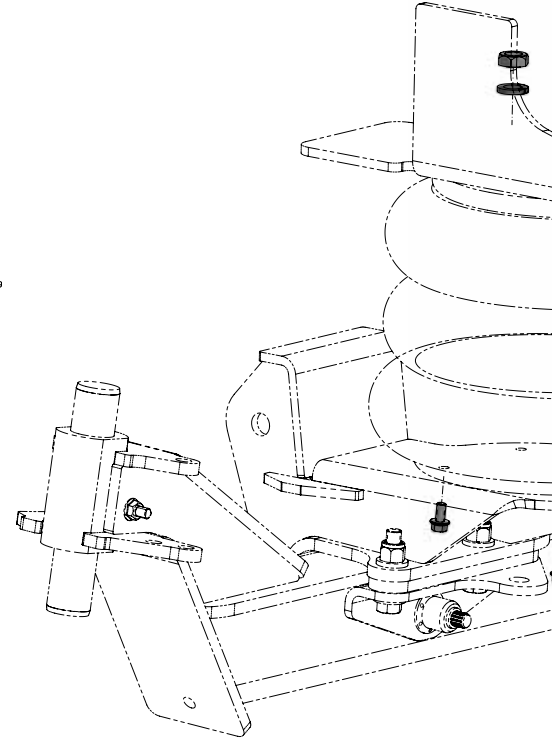
1/2"-13 NUT: 45-50 FT/LBS

3/4"-16 NUT: 45-50 FT/LBS

GEOMETRY IN PHANTOM IS A REPRESENTATION ONLY,
MAY NOT REFLECT ACTUAL PARTS

2X 6012FH2JB
3/4"-16 JAM NUT

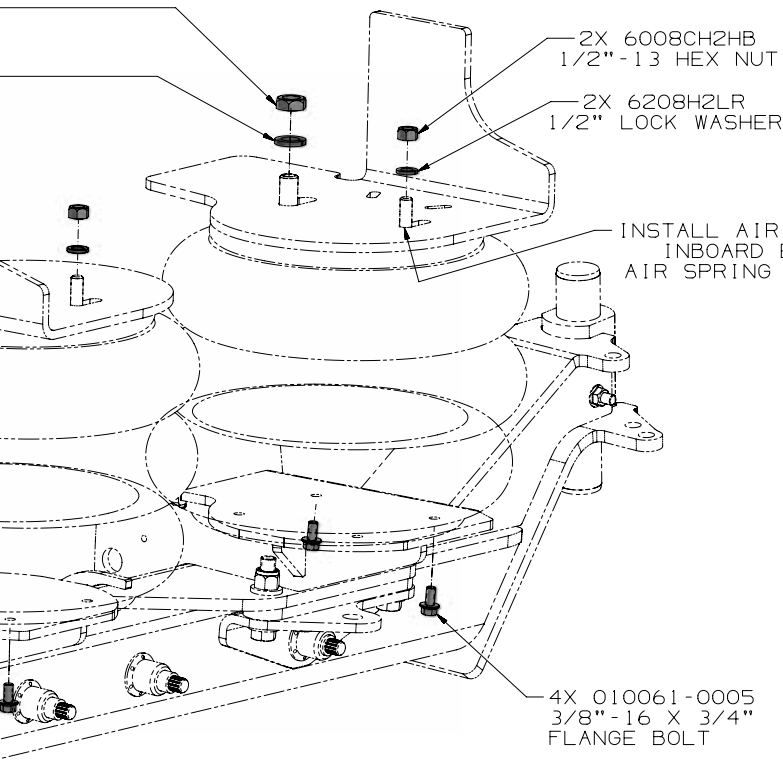
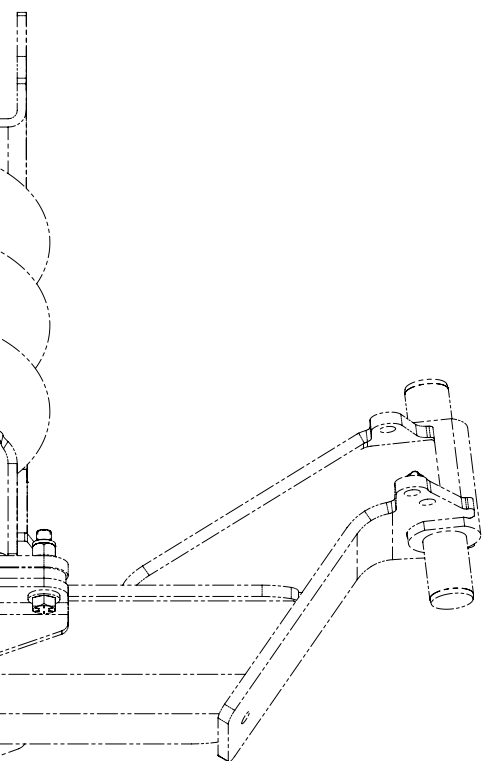
2X 6212H2LR
3/4" LOCK
WASHER



USE OUTBOARD SEAT HOLES
FOR FORWARD ROLL-OFF



COMPOSITITE® EXS 20 Steerable Auxiliary Suspension Systems

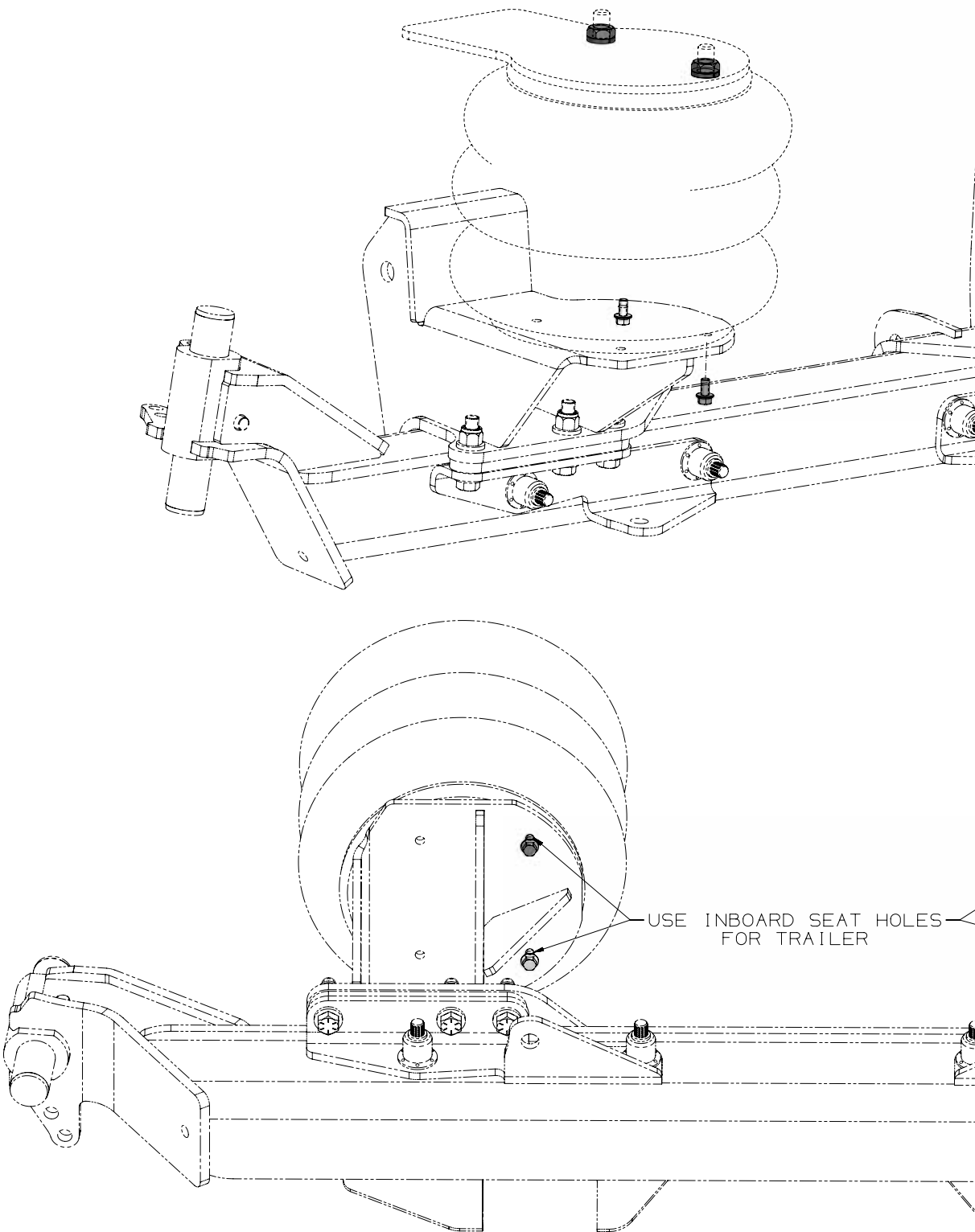
5	4	3	2	1																																										
			<table border="1"><thead><tr><th>REV</th><th>ZONE</th><th>DESCRIPTION</th><th>BY</th><th>CHK</th><th>ENG</th><th>DATE</th><th>CN</th></tr></thead><tbody><tr><td>A</td><td></td><td>RELEASED FOR PRODUCTION</td><td>ALB</td><td>DEM</td><td>DEM</td><td>08-04-21</td><td>21-0516</td></tr></tbody></table>		REV	ZONE	DESCRIPTION	BY	CHK	ENG	DATE	CN	A		RELEASED FOR PRODUCTION	ALB	DEM	DEM	08-04-21	21-0516																										
REV	ZONE	DESCRIPTION	BY	CHK	ENG	DATE	CN																																							
A		RELEASED FOR PRODUCTION	ALB	DEM	DEM	08-04-21	21-0516																																							
2X 6008CH2HB 1/2"-13 HEX NUT 2X 6208H2LR 1/2" LOCK WASHER INSTALL AIR SPRING AT INBOARD EDGE OF AIR SPRING PLATE SLOT 4X 010061-0005 3/8"-16 X 3/4" FLANGE BOLT			G F E D C B A																																											
			<table border="1"><thead><tr><th colspan="2">HENDRICKSON Auxiliary Axle Systems</th><th>PRODUCTION</th></tr></thead><tbody><tr><td colspan="3">Copyright © 2021 Hendrickson. All Rights Reserved.</td></tr><tr><td colspan="3">THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.</td></tr><tr><td></td><td>CAD FILE UPDATE ON CAD SYSTEM ONLY</td><td>METRIC UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994</td></tr><tr><td>DRAWN BY A. BRADLEY</td><td>DATE 08-04-21</td><td>MAKE FROM ALL</td></tr><tr><td>CHECKED BY D. MILLER</td><td>DATE 08-04-21</td><td>FOR MACHINING SEE SUSPENSION TYPE</td></tr><tr><td>ENG. APPROVAL D. MILLER</td><td>DATE 08-04-21</td><td>FOR ASSEMBLY SEE REF. LAYOUT</td></tr><tr><td>MFG. APPROVAL .</td><td>DATE .</td><td>REPLACES REF. BOM</td></tr><tr><td>O.C. APPROVAL .</td><td>DATE .</td><td>EQUIP. ORIG. MFG. DWG.</td></tr><tr><td colspan="3">DESCRIPTION EXS20 RIDE SPRING HARDWARE KIT INSTALL DWG, ROLL-OFF (FORWARD, OUTBOARD MOUNT)</td></tr><tr><td colspan="3">MODEL WEIGHT PART/DWG NO. 018948-0105</td></tr><tr><td colspan="3">SCALE NONE</td></tr><tr><td colspan="3">SHEET NO. 1 OF 1</td></tr><tr><td colspan="3">DWG. SIZE D</td></tr></tbody></table>		HENDRICKSON Auxiliary Axle Systems		PRODUCTION	Copyright © 2021 Hendrickson. All Rights Reserved.			THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.				CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994	DRAWN BY A. BRADLEY	DATE 08-04-21	MAKE FROM ALL	CHECKED BY D. MILLER	DATE 08-04-21	FOR MACHINING SEE SUSPENSION TYPE	ENG. APPROVAL D. MILLER	DATE 08-04-21	FOR ASSEMBLY SEE REF. LAYOUT	MFG. APPROVAL .	DATE .	REPLACES REF. BOM	O.C. APPROVAL .	DATE .	EQUIP. ORIG. MFG. DWG.	DESCRIPTION EXS20 RIDE SPRING HARDWARE KIT INSTALL DWG, ROLL-OFF (FORWARD, OUTBOARD MOUNT)			MODEL WEIGHT PART/DWG NO. 018948-0105			SCALE NONE			SHEET NO. 1 OF 1			DWG. SIZE D		
HENDRICKSON Auxiliary Axle Systems		PRODUCTION																																												
Copyright © 2021 Hendrickson. All Rights Reserved.																																														
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.																																														
	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994																																												
DRAWN BY A. BRADLEY	DATE 08-04-21	MAKE FROM ALL																																												
CHECKED BY D. MILLER	DATE 08-04-21	FOR MACHINING SEE SUSPENSION TYPE																																												
ENG. APPROVAL D. MILLER	DATE 08-04-21	FOR ASSEMBLY SEE REF. LAYOUT																																												
MFG. APPROVAL .	DATE .	REPLACES REF. BOM																																												
O.C. APPROVAL .	DATE .	EQUIP. ORIG. MFG. DWG.																																												
DESCRIPTION EXS20 RIDE SPRING HARDWARE KIT INSTALL DWG, ROLL-OFF (FORWARD, OUTBOARD MOUNT)																																														
MODEL WEIGHT PART/DWG NO. 018948-0105																																														
SCALE NONE																																														
SHEET NO. 1 OF 1																																														
DWG. SIZE D																																														
5 4 3			5 4 3																																											



11		10		9	
ITEM	PART NUMBER	DESCRIPTION			QTY
1	018948-0200	EXS20 RIDE SPRING HARDWARE KIT - TRAILER			1

G
F
E
D
C
B
A

NOTE:
1. TORQUES VALUES
3/8"-16 BOLT: 25-30 FT/LBS
3/4"-16 NUT: 45-50 FT/LBS





COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

REV	ZONE	DESCRIPTION	BY	CHK	ENG	DATE	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	11-15-19	19-0
B		RVSD TO DEPICT REV C OF SEATS	ALB	DEM	DEM	02-24-20	20-0
C		010061-0005 WAS 6106C100H4H5	BAK	JHS	JP	01-22-21	21-0

4X 6012FH2JB
3/4"-16 JAM NUT

4X 6212H2LR
3/4" LOCK WASHER

4X 010061-0005
3/8"-16 X 3/4"
FLANGE BOLT

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2021 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD FILE UPDATE ON CAD SYSTEM ONLY

METRIC

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994

DRAWN BY: A. BRADLEY DATE: 11-15-19 MAKE FROM: ALL CUSTOMER: ALL

CHECKED BY: D. MILLER DATE: 11-15-19 FOR MACHINING SEE: SUSPENSION TYPE

ENG. APPROVAL: WESTNEDGE DATE: 11-15-19 FOR ASSEMBLY SEE: REF. LAYOUT

MFG. APPROVAL: DATE: REPLACES: REF. BOM

S.C. APPROVAL: DATE: EQUIP. ORIS. MFG. DWG.

DESCRIPTION: EXS20 RIDE SPRING HARDWARE KIT INSTALL DWG, TRAILER

MODEL WEIGHT PART/DWG NO. SHEET NO. 1 OF 1

SCALE: NONE 018948-0201 DWG. SIZE: D

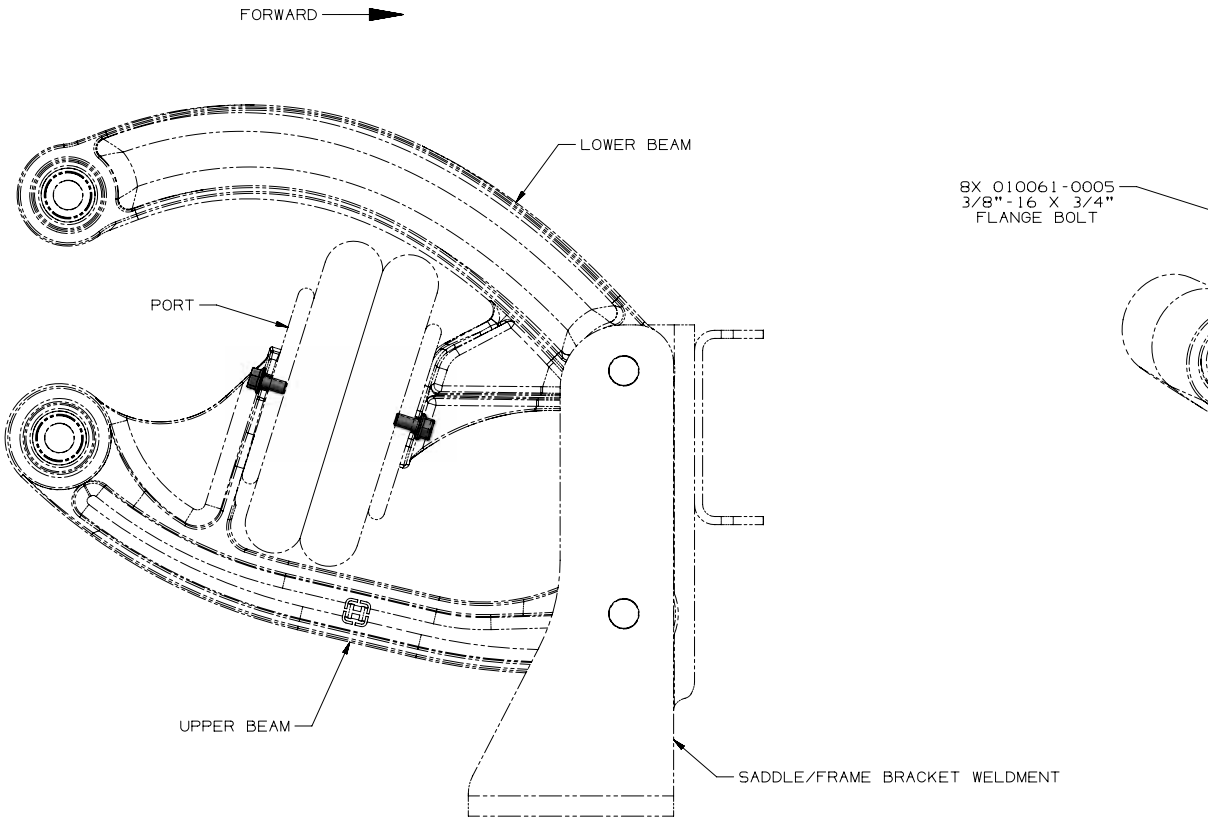
THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON, EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.



ITEM	PART NUMBER	DESCRIPTION	QTY
1	018439-0100	EXS20 LIFT SPRING HARDWARE KIT	1

G
F
E
D
C
B
A

AIR SPRING PORT: REAR
BOLT TORQUE: 26-30 Ft-Lbs

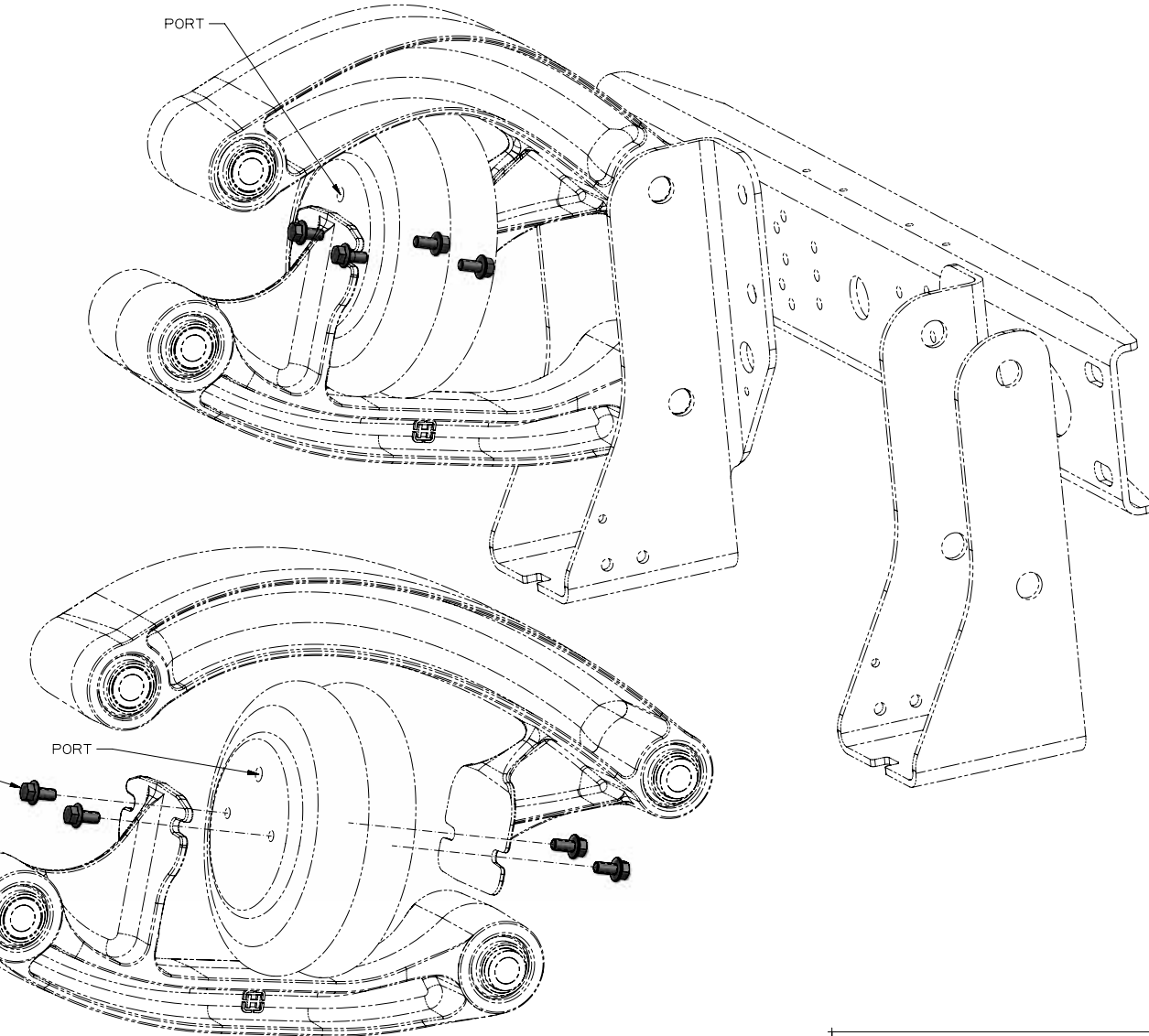




COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5	5	4	3	2	1
---	---	---	---	---	---

REV	ZONE	DESCRIPTION	BY	CHK	ENG	CN
A		RELEASED FOR PRODUCTION	ALB	DEM	A.W	19-0733



HENDRICKSON Auxiliary Axle Systems		PRODUCTION	
Copyright © 2019 Hendrickson. All Rights Reserved.			
THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.			
	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY A. BRADLEY	DATE 11-15-19	MAKE FROM ALL	CUSTOMER ALL
CHECKED BY D. MILLER	DATE 11-15-19	FOR MACHINING SEE .	SUSPENSION TYPE .
ENG. APPROVAL WESTNEDGE	DATE 11-15-19	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
D.C. APPROVAL .	DATE .	EQUIP. .	ORTS. MFG. DWG. .
DESCRIPTION EXS20 LIFT SPRING HARDWARE KIT INSTALL DWG			
MODEL WEIGHT PART/DWG NO. SCALE 3:8			SHEET NO. 1 OF 1 DWG. SIZE D
018439-0101			

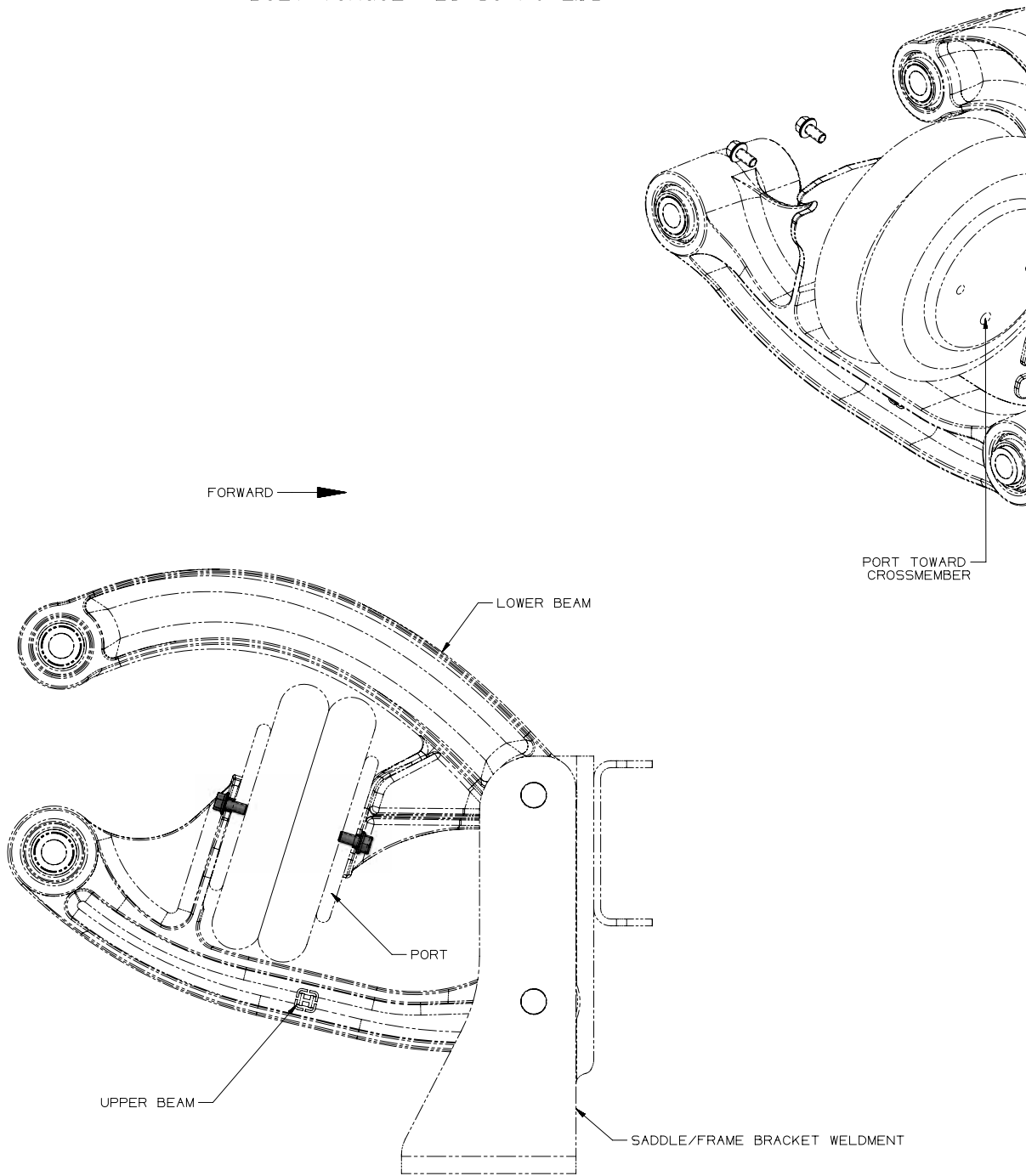
5	5	4	3
---	---	---	---



ITEM	PART NUMBER	DESCRIPTION	QTY
1	018439-0100	EXS20 LIFT SPRING HARDWARE KIT	1

G
F
E
D
C
B
A

AIR SPRING PORT: FORWARD
BOLT TORQUE: 26-30 Ft-Lbs





COMPOSILITE® EXS 20 Steerable Auxiliary Suspension Systems

5	4	3	2	1				
REV			ZONE	DESCRIPTION	BY	CHK	ENG	CN
A				RELEASED FOR PRODUCTION	JAB	JHS	JAB	21-0268
					DATE	DATE	DATE	
					4-1-21	4-1-21	4-1-21	

HENDRICKSON
Auxiliary Axle Systems

PRODUCTION

Copyright © 2021 Hendrickson. All Rights Reserved.

THIS PRINT REMAINS THE PROPERTY OF HENDRICKSON SUSPENSION SYSTEMS. ALL INFORMATION CONTAINED THEREON IS CONFIDENTIAL. IT IS LOANED, SUBJECT TO RETURN ON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH IT HAS BEEN LOANED TO YOU.

CAD FILE
UPDATE ON
CAD SYSTEM
ONLY

METRIC

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994

DRAWN BY
GUNTHERMANN

DATE
4-1-21

CHECKED BY
SLONAKER

DATE
4-1-21

ENG. APPROVAL
GUNTHERMANN

DATE
4-1-21

MFG. APPROVAL

DATE

D.C. APPROVAL

DATE

MAKE FROM

ALL

FOR MACHINING SEE

•

FOR ASSEMBLY SEE

•

REPLACES

•

EQUIP.

•

CUSTOMER

SUSPENSION TYPE

REF. LAYOUT

REF. BOM

REF. MFG. DWG.

•

DESCRIPTION

EXS20 LIFT SPRING PORT FORWARD
HARDWARE KIT INSTALL DWG

MODEL WEIGHT PART/DWG NO.

•00 LBS.

SCALE

3:8

018439-0102

SHEET NO.

1 OF 1

DWG. SIZE

D

5

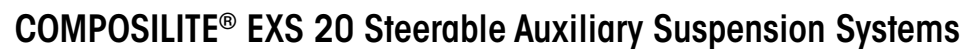
4

3

2

1

[illegible]



H892



Contact Hendrickson for additional details regarding specifications, applications, capacities, operation, service and maintenance instructions.



740.929.5600 • Fax 740.929.5601

905.789.1030 • Fax 905.812.9423

Printed in United States of America