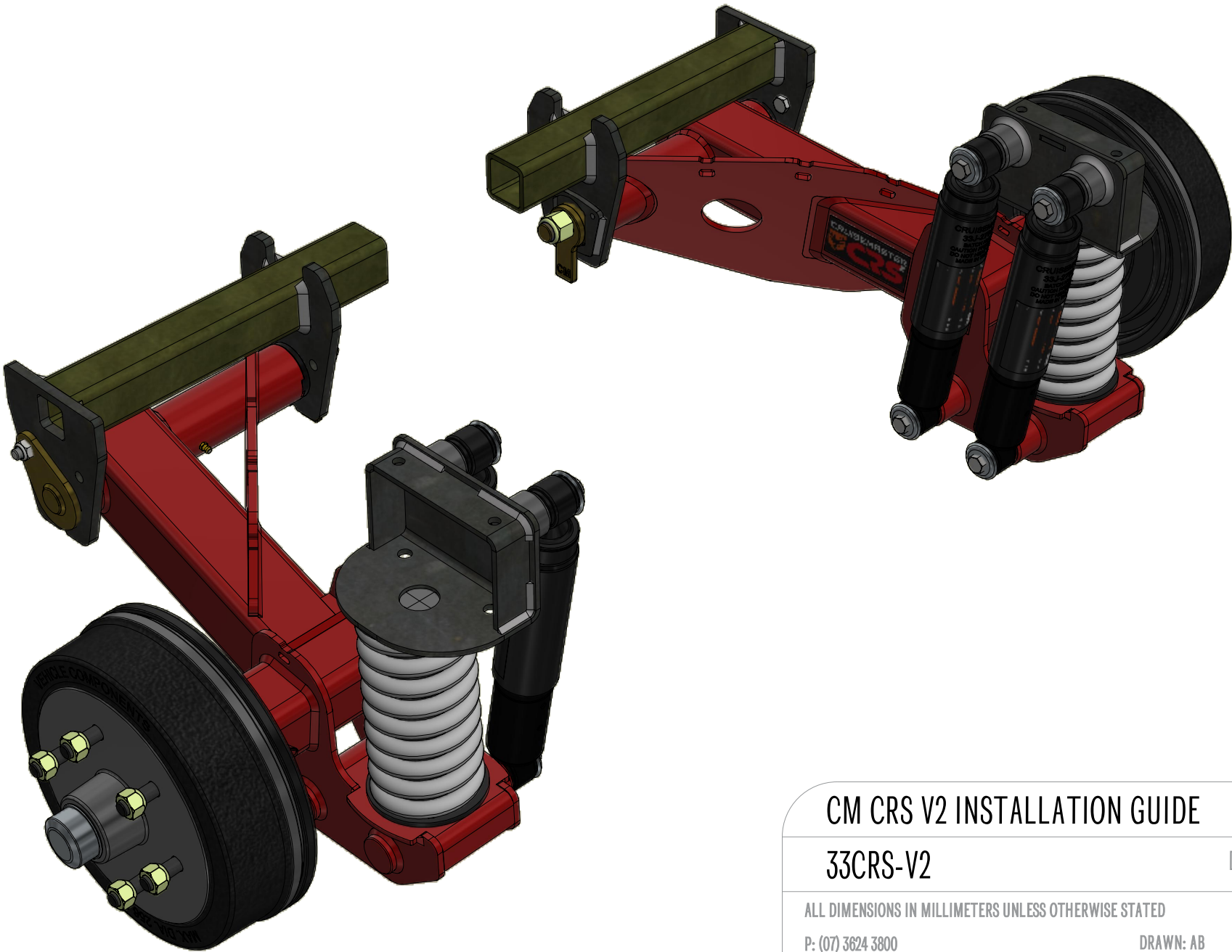




CHASSIS PREPARATION AND SUSPENSION INSTALLATION GUIDE

- 2. LAYOUT
- 3. WELDING
- 4. ASSEMBLY
- 5. ALIGNMENT
- 6. PARTS LIST
- 7. KIT CONFIGURATIONS

CRS²



REV	DESCRIPTION	ECN	NAME	DATE
7	Fixed toe adjustment bush was 33S-705	1853	AB	21-08-2020
6	Added long hinge weld detail	1796	AB	6/12/19
5	Update to show gal bolt removal requirement	1757	BM	02/07/19
4	Added 2900 rating, hinge surface coating note	--	AB	30/11/18
3	Wheel offset note added	1724	AB	24/09/18
2	Various changes - see ecn details	1724	AB	30/08/18
1	Released for production	1667	AB	15/05/18

CM CRS V2 INSTALLATION GUIDE
33CRS-V2

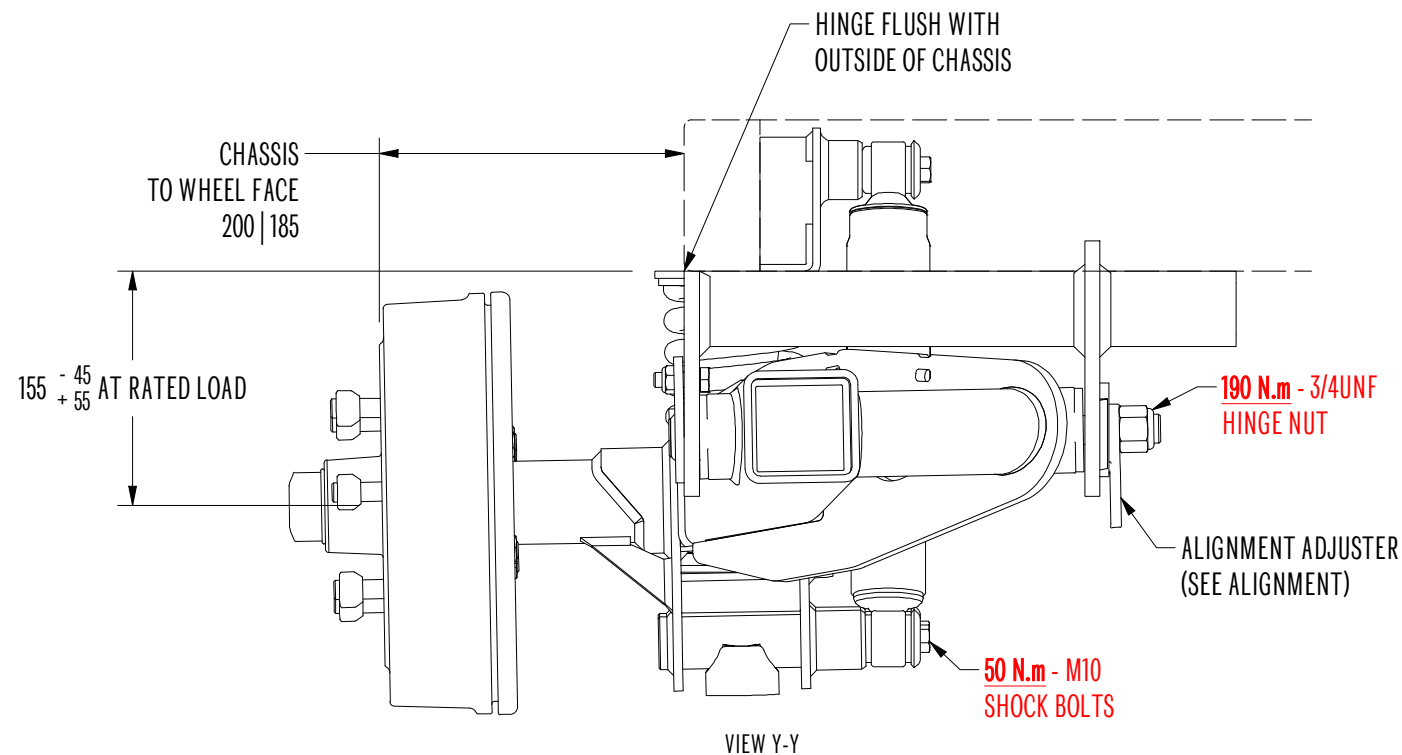
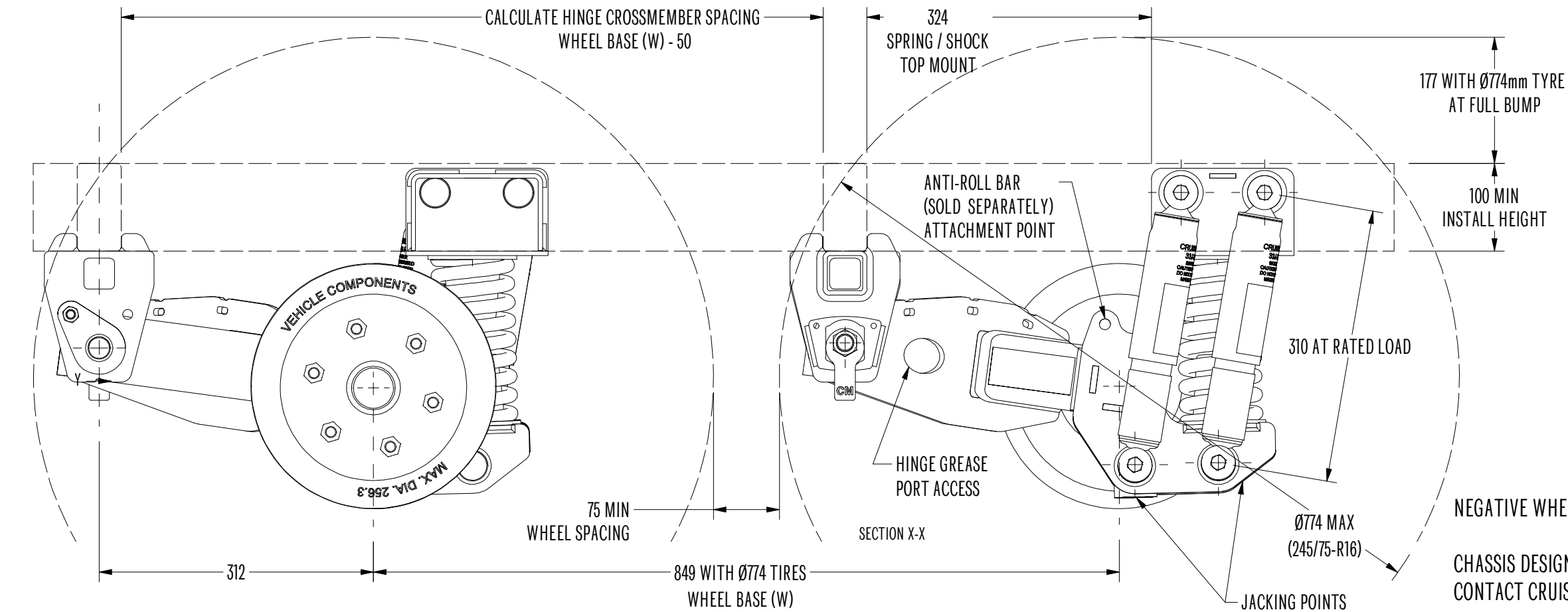
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2 - LAYOUT



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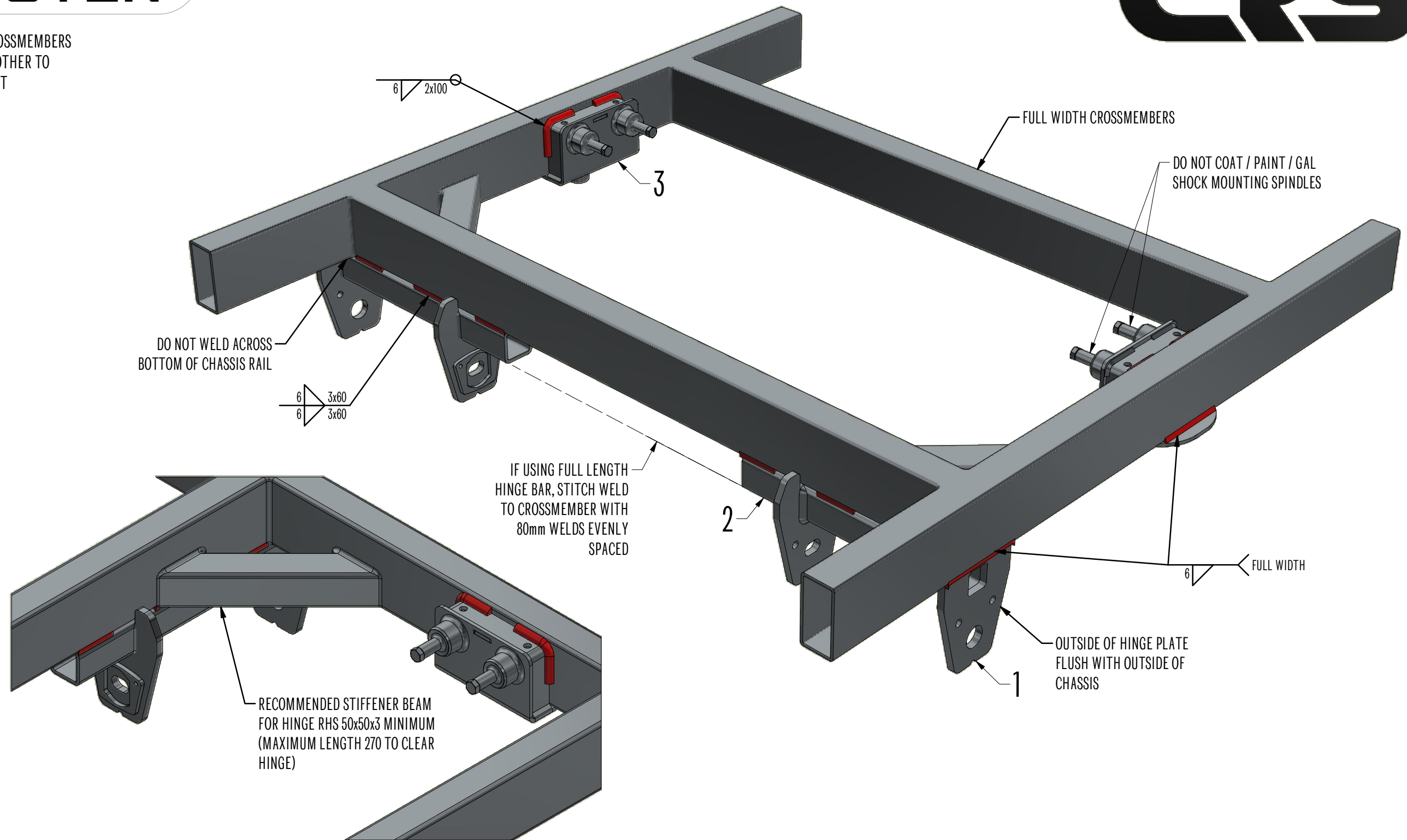
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3 - WELDING



ENSURE CHASSIS RAILS AND CROSSMEMBERS ARE PERPENDICULAR TO EACH OTHER TO ENSURE ACCURATE ADJUSTMENT



1. POSITION MOUNTS

ENSURE ALL REQUIRED CROSSMEMBERS AND STIFFENERS ARE FITTED, POSITION HINGE AND SHOCK/COIL MOUNTS, ENSURE HINGES ARE SQUARE TO MAIN CHASSIS RAIL AND CROSSMEMBER

2. HINGES

WELD HINGES TO CROSSMEMBERS AS SPECIFIED

3. SHOCK AND COIL MOUNTS

ENSURE SHOCK AND COIL MOUNTS ARE FITTED AND WELDED AS SHOWN

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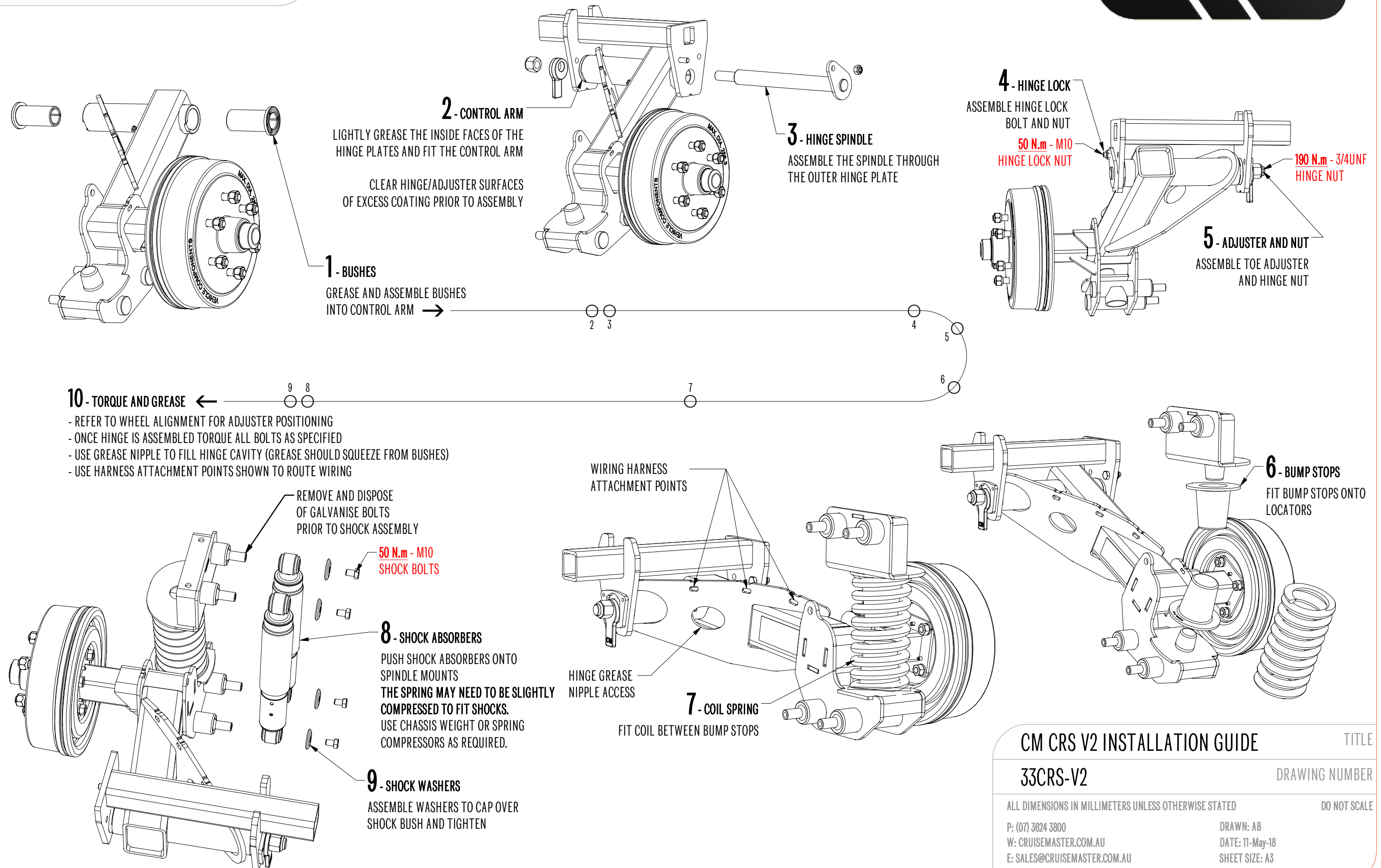
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4 - ASSEMBLY

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PAGE: 4 of 7



5 - ALIGNMENT

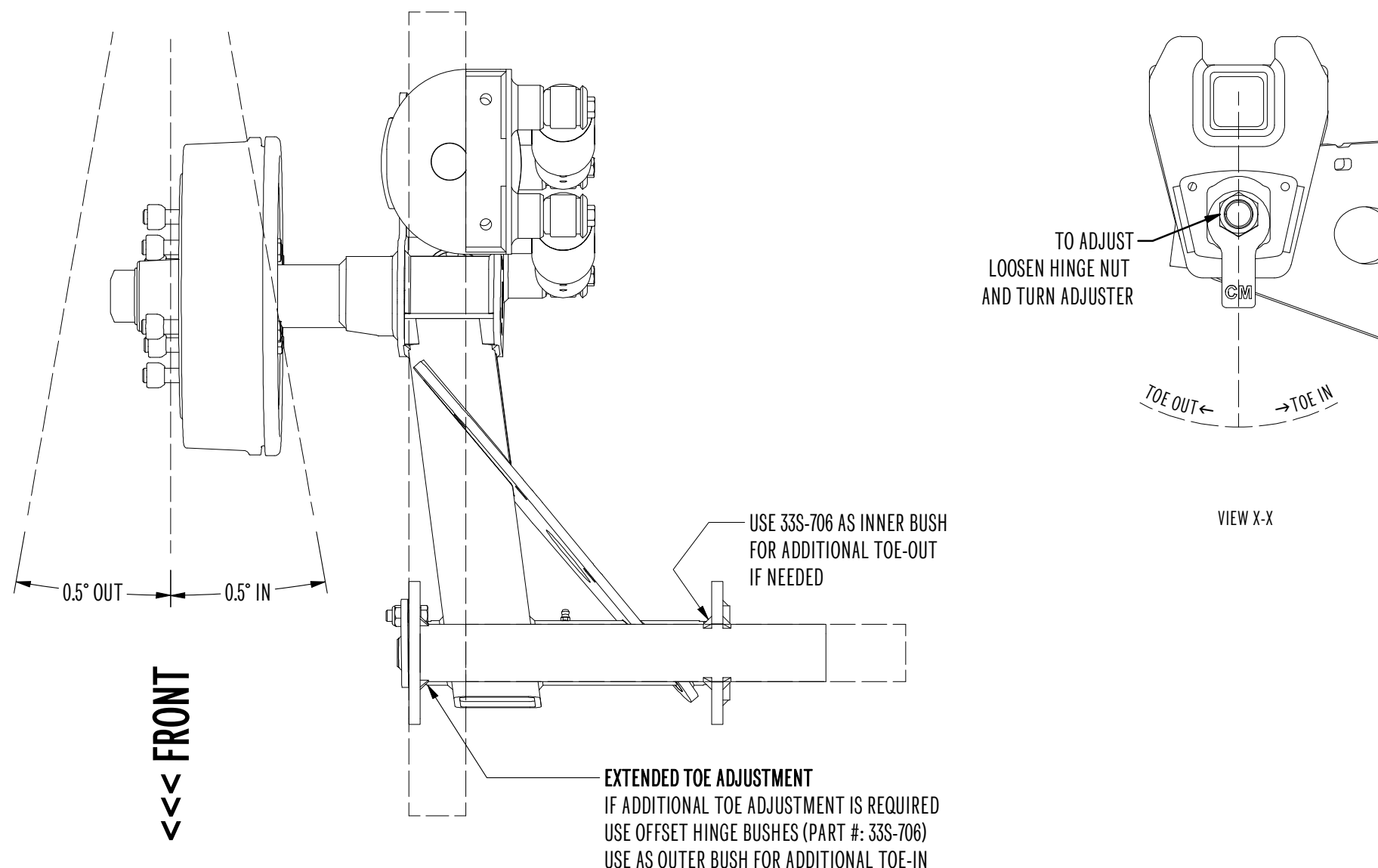
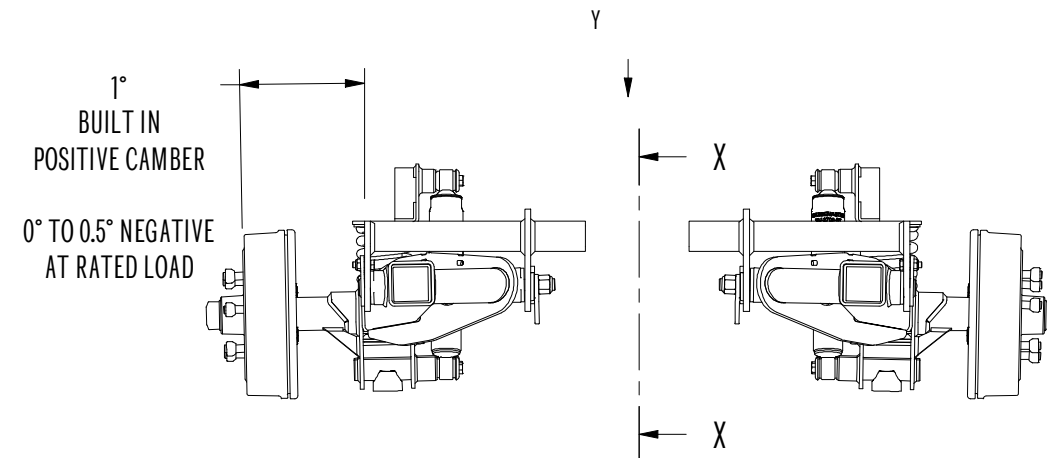
VISIT cruisemaster.com.au FOR ADDITIONAL INFORMATION
SEE CRUISEMASTER CAMBER TOE IN ADJUSTER (CIS 20)



CAMBER ADJUSTMENT

THE SUSPENSION HAS A DEGREE OF POSITIVE CAMBER BUILT IN TO ENSURE THE WHEELS ARE ALIGNED CORRECTLY UNDER LOAD. WHEELS ARE RECOMMENDED TO HAVE 0° TO 0.5° NEGATIVE CAMBER AT RATED LOAD.

IF ADDITIONAL POSITIVE CAMBER IS NEEDED, USE ONE OR TWO OFFSET HINGE BUSHES (PART # - 33S-708) AS REQUIRED TO ADJUST CAMBER.



WHEEL ALIGNMENT PROCEDURE

1. ENSURE THE TRAILER IS FULLY LOADED AND ON A FLAT SURFACE, MOVE THE TRAILER BACKWARDS AND FORWARDS TO ELIMINATE ANY TWIST IN THE WHEELS.

MEASUREMENT

2. PLACE A STRAIGHT EDGE ACROSS THE WHEEL, EDGE OF RIM OR DRUM FACE THEN MEASURE THE DISTANCE FROM THE STRAIGHT EDGE TO THE CHASSIS RAIL. (WHEELS ON A SINGLE OR TANDEM FRONT AXLE SHOULD BE ADJUSTED TO HAVE 2MM TOE-IN. WHEELS ON TANDEM REAR AXLE SHOULD MEASURE PARALLEL FROM THE CHASSIS RAIL.)

3. IT IS RECOMMENDED TO USE A DIGITAL SPIRIT LEVEL TO MEASURE CAMBER ACROSS THE WHEEL RIM OR DRUM FACE.

TOE ADJUSTMENT

4. LIFT THE VEHICLE TO UNLOAD THE SUSPENSION. DO NOT CLIMB UNDER A VEHICLE WHICH IS ONLY SUPPORTED BY JACKS, ENSURE PROPER VEHICLE STANDS ARE USED.

5. LOOSEN THE HINGE NUT AND TURN THE ADJUSTER IN THE DIRECTION REQUIRED TO OBTAIN DESIRED ADJUSTMENT.

6. LOWER THE VEHICLE TO FULLY LOAD THE SUSPENSION AND MEASURE THE ALIGNMENT AGAIN TO CHECK ADJUSTMENT IS SATISFACTORY.

7. IF THE NECCESARY ALIGNMENT HAS NOT BE ACHIEVED, REPEAT FROM STEP 4

8. WHEN ADJUSTMENT IS COMPLETED, TIGHTEN AND TORQUE HINGE NUT. (SEE ASSEMBLY SHEET)

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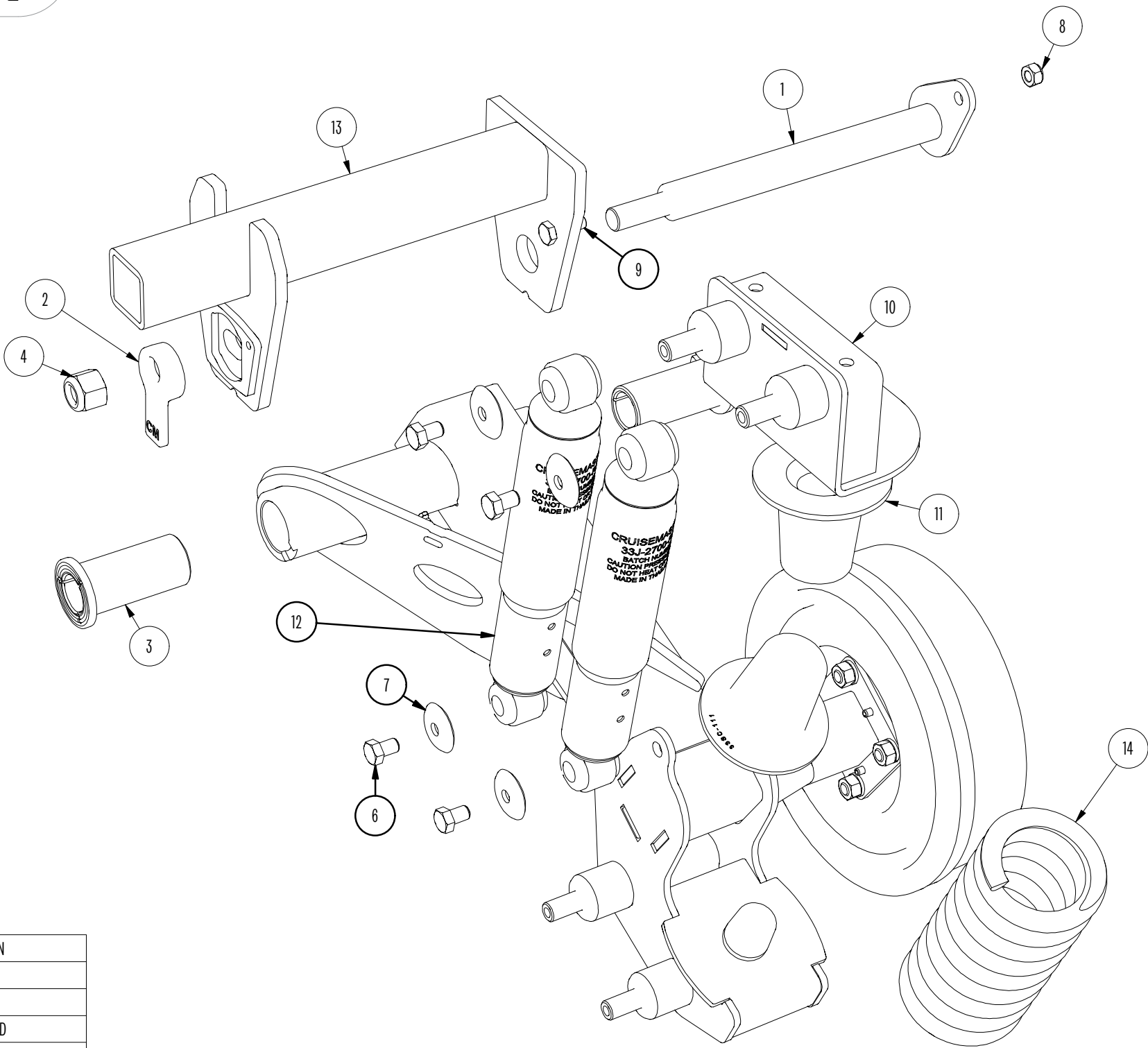
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PAGE: 5 of 7



6 - PARTS LIST



ITEM	PART NUMBER	DESCRIPTION
1	33N 2300	A - WELDED SPINDLE
2	33S-7306	HINGE TOE ADUSTER
3	33S-705	CM HINGE LOCKING BUSH D
4	60-N-3/4-UNF-NYL	NUT 3/4 UNF NYLOC
5	33C 029	TYPE 9 BOLT KIT
6	60-B-M10X16-8.8-LOC	BOLT 8.8 M10x16 HEX LOCTITE
7	33J 2041	SHOCK WASHER 10mm
8	60-N-M10NYL	NUT M10 NYLOC
9	60-B-M10X30-8.8	BOLT 8.8 M10X30 Z/P
10	33S-7200	CRS SPRING MOUNT
11	33SC 111	BUMP STOP COIL CRS BLACK
12	33J 2700	SHOCKMASTER 30MM LT BLACK
13	33S-7300	CRS HINGE
14	33SC	CM COIL SPRINGS

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7 - KIT CONFIGURATIONS



PART NUMBER BUILD GUIDE

CONFIGURE SUSPENSION KITS FOR SIMPLER ORDERING

(A) SPRING / (B) CHASSIS TO FACE - (C) BEARING					
AXLES	RATING - ATM (kg)	(A)	COIL	(B) mm	(C)
SINGLE	1600	S16	33SC-425	185 or 200	SL
SINGLE	2000	S20	33SC-550	185 or 200	VT
SINGLE	2500	S25	33SC-650	185 or 200	VT
TANDEM	2600	T26	33SC-350	185 or 200	SL
TANDEM	2900	T29	33SC-400	185 or 200	SL
TANDEM	3300	T33	33SC-425	185 or 200	SL
TANDEM	3500	T35	33SC-450	185 or 200	VT

(D) FINISH . COLOR	
(D)	OPTION
U	UNPAINTED
S	STANDARD POWDERCOATING
P	PREMIUM POWDERCOATING



WELD ON FITTINGS
AND FASTENERS KIT
(INCLUDED IN ALL OPTIONS)

33CRS2 - C

A

 /

B

 -

C

 -

D

 -

E

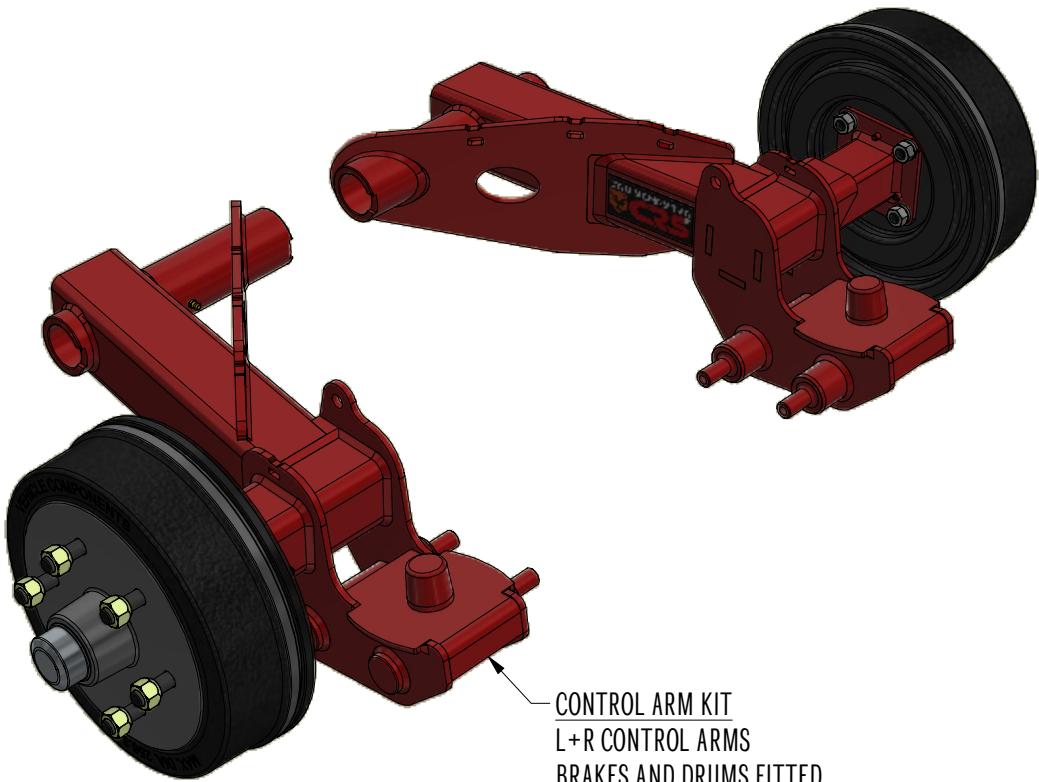
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F

 2700

(E) BRAKE . STUD PATTERN		
OPTION	CONDITIONS	(E)
ELECTRIC		E
HYDRAULIC	VT ONLY	H

(F) SHOCKS		
(F)	PART	KIT
S	33J-2700	SINGLE SHOCK
T	33J-2700	DUAL SHOCKS



CONTROL ARM KIT
L+R CONTROL ARMS
BRAKES AND DRUMS FITTED



33S-7300
CHASSIS HINGE MOUNTS

EXAMPLE

33CRS2-CS25/200-VT-P-H-HS-T2700

- SINGLE AXLE
- 2500kg SPRINGS
- 200mm CHASSIS TO FACE
- VT BEARING
- PREMIUM POWDERCOATING
- HYDRAULIC BRAKES
- DUAL SHOCKS

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