

CHASSIS PREPARATION AND SUSPENSION INSTALLATION GUIDE

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







CM ATX INSTALLATION GUIDE

TITLE

33ATX

DRAWING NUMBER

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DO NOT SCALE

P: (07) 3624 3800 W: CRUISEMASTER.COM.AU DRAWN: AB
DATE: 13-Apr-16
SHEET SIZE: A3

PAGE: 1 of 7

E: SALES@CRUISEMASTER.COM.AU
A: 352B BILSEN ROAD, GEEBUNG, QLD 4034

CRUISEMASTER™ IS THE REGISTERED TRADEMARK OF CRUISEMASTER AUSTRALIA PTY. LTD.

ECN

1766

1718

1682

NAME

AB

DATE

7/08/2019

21/06/2019

20/08/2018

29/03/2018

29/01/2018

DESCRIPTION

9 33S-707 was 33S-8019

Fixed welding representation

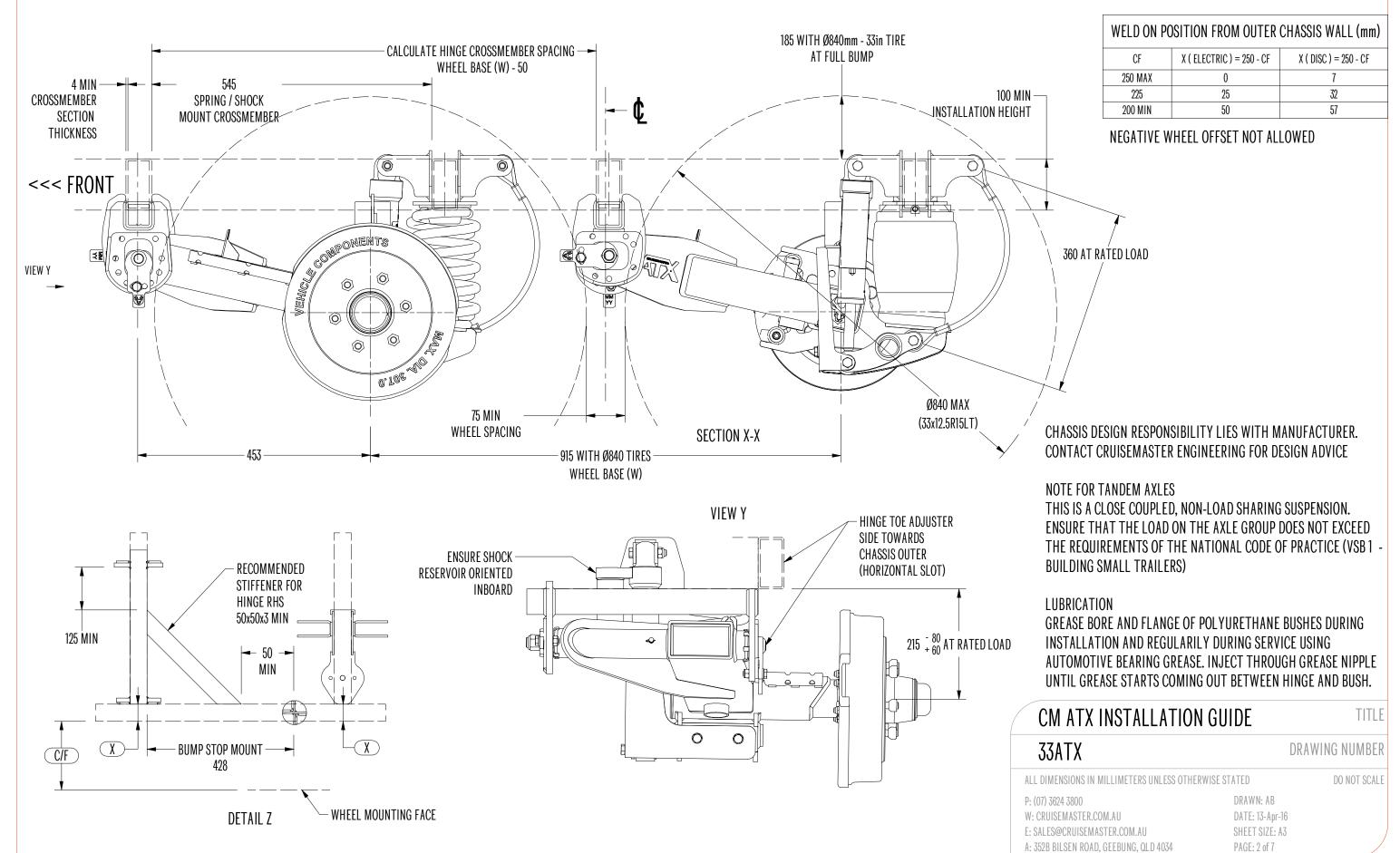
Redrawn to current template and build

Min chassis 100x50x4, new template



2 - GENERAL LAYOUT





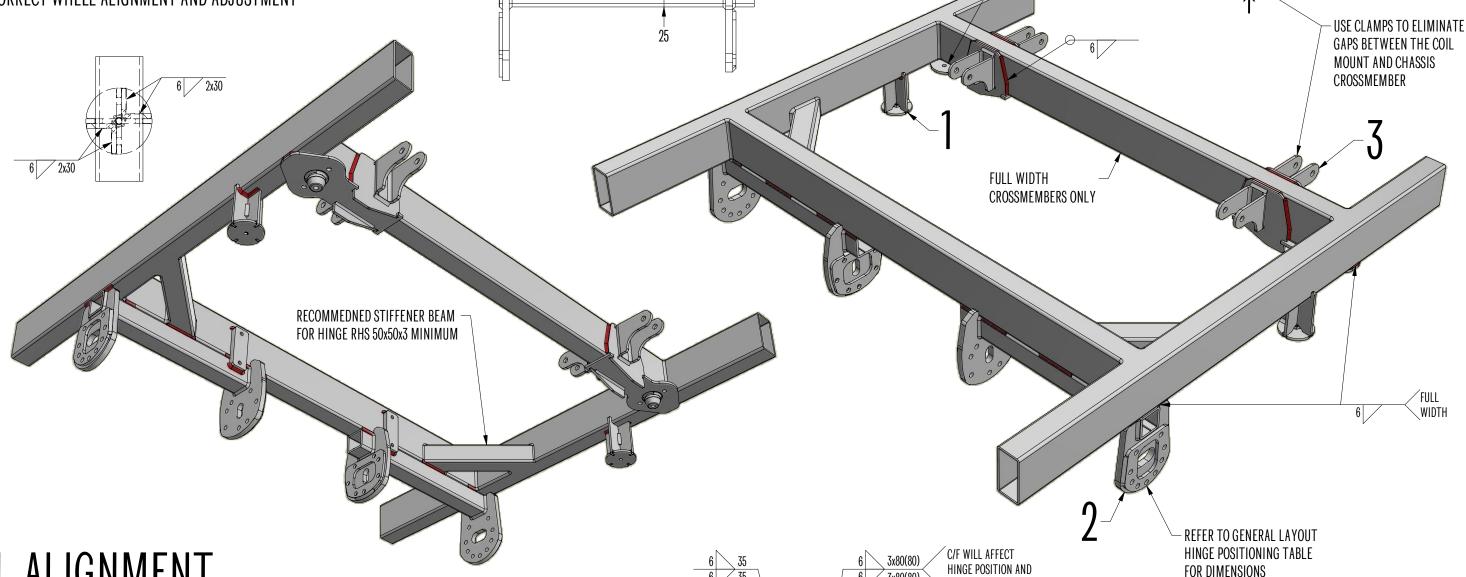


3 - WELDING



ALL CHASSIS RAILS AND SUPPORTING CROSSMEMBER SECTIONS MUST BE OF SUFFICIENT STRENGTH TO SUPPORT THE TRAILER AT MAXIMUM LOAD

ENSURE HINGES ARE PERPENDICULAR TO THE CHASSIS TO ALLOW FOR CORRECT WHEEL ALIGNMENT AND ADJUSTMENT



1. ALIGNMENT

ENSURE ALL REQUIRED CROSSMEMBERS AND BRACINGS ARE FITTED, POSITION HINGE, BUMP STOP AND SHOCK/COIL MOUNT 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 AS SHOWN



DRAWING NUMBER

TITLE

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DO NOT SCALE DRAWN: AB

P: (07) 3624 3800 W: CRUISEMASTER.COM.AU

33ATX

DO NOT WELD ACROSS

BOTTOM OF CHASSIS

DO NOT WELD

TOP FACE OF SPRING MOUNT PLATE

> E: SALES@CRUISEMASTER.COM.AU A: 352B BILSEN ROAD, GEEBUNG, QLD 4034

DATE: 13-Apr-16 SHEET SIZE: A3 PAGE: 3 of 7

FIT REBOUND CABLE

W: CRUISEMASTER.COM.AU

E: SALES@CRUISEMASTER.COM.AU

A: 352B BILSEN ROAD, GEEBUNG, QLD 4034

DATE: 13-Apr-16 SHEET SIZE: A3

PAGE: 4 of 7

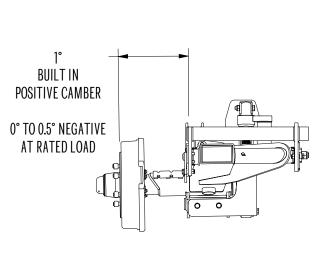


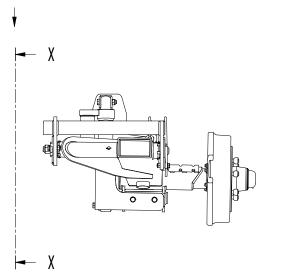
5 - ALIGNMENT

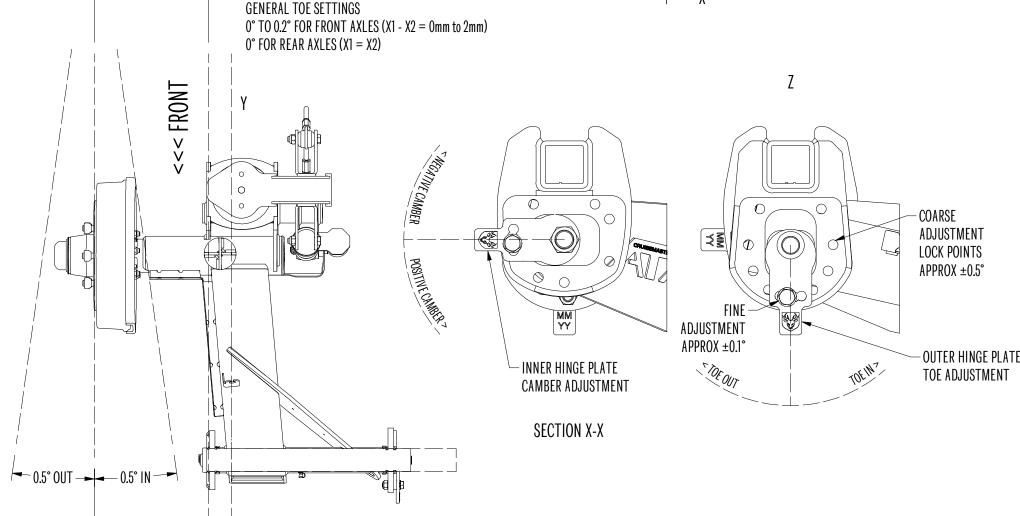
VISIT <u>cruisemaster.com.au</u> FOR ADDITIONAL INFORMATION SEE CRUSIEMASTER CAMBER TOW IN ADJUSTER (CIS 20)

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.









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

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 REMOVE THE ADJUSTER LOCKING BOLTS.

6. TURN THE ADJUSTER IN THE DIRECTION REQUIRED AND ALIGN WITH THE NEAREST BOLT HOLES. USE BOTH COARSE AND FINE ADJUSTMENTS TO FIND THE OPTIMAL POSITION AND USE LOCKING BOLTS TO HOLD THE ADJUSTER IN PLACE.

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, TORQUE ADJUSTMENT LOCKING BOLTS AND HINGE NUT. (SEE ASSEMBLY SHEET FOR TORQUES)

CM ATX INSTALLATION GUIDE

TITLE

33ATX

DRAWING NUMBER

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DO NOT SCALE

P: (07) 3624 3800 W: CRUISEMASTER.COM.AU

SEMASTER.COM.AU DATE: 13-Apr-16

SHEET SIZE: A3 PAGE: 5 of 7

DRAWN: AB

E: SALES@CRUISEMASTER.COM.AU A: 352B BILSEN ROAD, GEEBUNG, QLD 4034

X1 - X2

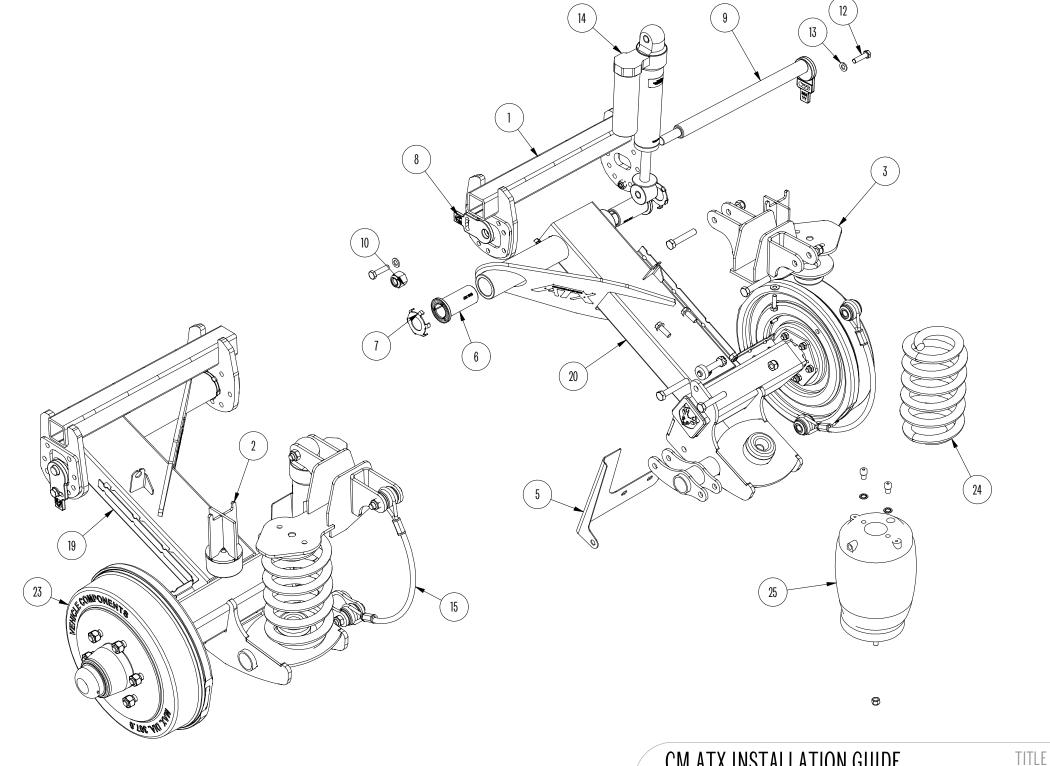
MEASURE DISTANCE FROM CHASSIS
TO TYRE FACE USING A STRAIGHT EDGE

USE DIFFERENCE TO DETERMINE TOE



6 - PARTS LIST





ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	33\$ 8200	ATX HINGE
2	2	33\$ 8410	ATX BUMP STOP MOUNT
3	2	33\$ 8400	ATX SPRING MOUNT
4	2	33\$ 8056	L - ATX BADGE
5	1	33C 022	CM ATX SHOCK GUARD KIT
6	4	33S-707	CM HINGE BUSH D
7	4	33\$ 8042	L - HINGE SLIDE WASHER
8	2	33\$ 8310	ATX LOCKABLE ADJUSTER
9	2	33\$ 8300	ATX HINGE SPINDLE
10	2	60-N-3/4-UNF-NYL	NUT 3/4 UNF NYLOC
11	4	60-N-M10NYL	NUT ZINC NYLON INSERT M10
12	4	60-B-M10x40	BOLT HEX 8.8 M10x40 Z/P
13	4	60-WF-M10	WASHER FLAT M10 Z/P
14	1	33C 018	M46 BLACK 46mm SINGLE SHOCK KIT
15	1	33C 017	CM ATX RB STRAP KIT
16	1	33C 021	CM ATX BUMP STOP KIT
17	2	60-M-GN-COV	GREASE NIPPLE DUST COVER
18	2	60-M-GN-M6	GREASE NIPPLE M6
19	1	33S 8810L	CM ATX VC EL LEFT
20	1	33S 8810R	CM ATX VC EL RIGHT
21	2	33S-220	PLASTIC END CAP 75
22	1	19-3069-DEXT	BR/KIT 12EL DEXTER
23	2	03-12VC-93-LC6-1/2	H/DRUM 12" VC 93 FITTED LC6 1/2
24	1	33ATX-CC	CM ATX COIL SPRING KIT
25	1	33ATX-AK	CM ATX AIR SPRING KIT
	ODILL	DEMANDED THE DECLOTEDED TO A DEMAN	DV OF ODITIONAL AUTOTOMITA DTV TTC

CM ATX INSTALLATION GUIDE

DRAWING NUMBER

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

DO NOT SCALE

P: (07) 3624 3800 W: CRUISEMASTER.COM.AU

33ATX

DATE: 13-Apr-16 E: SALES@CRUISEMASTER.COM.AU

A: 352B BILSEN ROAD, GEEBUNG, QLD 4034

SHEET SIZE: A3 PAGE: 6 of 7

DRAWN: AB



7 - KIT CONFIGURATIONS



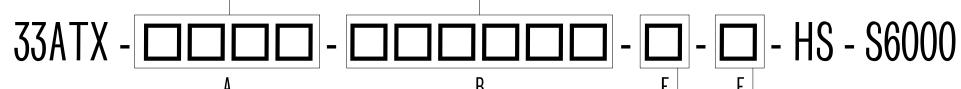
PART NUMBER BUILD GUIDE

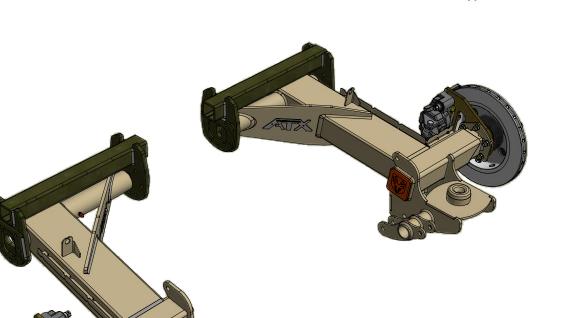
CONFIGURE SUSPENSION KITS FOR SIMPLER ORDERING

(A) SPRING					
AXLES	RATING - ATM (kg)	(A)	SPRING		
SINGLE	2200	CS22	33SC-474A		
SINGLE	2600	CS26	33SC-530A		
SINGLE	2800	CS28	33SC-590A		
SINGLE	2800	AS28	33SA-AB0044-V		
TANDEM	3700	CT37	33SC-390A		
TANDEM	4500	CT45	33SC-474A		
TANDEM	4500	AT45	33SA-AB0044-V		

	(B) HUB SPIGOT	
OPTION	WHEEL SPIGOT (mm)	(B)
DRUM	93	VC93
DRUM	106	VC106
DRUM	110	VC110
HUB	102	DVC102
HUB	110	DVC110







(D) FINISH . COLOR		
(D)	OPTION	
U	UNPAINTED	
Р	PREMIUM POWDERCOATING	

(D) BRAKE . STUD PATTERN			
(D)	BRAKE		
D	ELECTRIC		
Н	HYDRAULIC		

EXAMPLE

33ATX-CS22-VC110-P.DS-D.LC6.HLF-HS-S6000

- SINGLE AXLE
- 2200kg COIL SPRINGS
- VC BEARING
- PREMIUM POWDERCOATING
- **ELECTRIC BRAKES**
- LANDCRUISER 6 STUD PATTERN 1/2in STUDS
- MONOTUBE SHOCKS

CM ATX INSTALLATION GUIDE

TITLE

33ATX

DRAWING NUMBER

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

P: (07) 3624 3800 W: CRUISEMASTER.COM.AU

E: SALES@CRUISEMASTER.COM.AU A: 352B BILSEN ROAD, GEEBUNG, QLD 4034

SHEET SIZE: A3 PAGE: 7 of 7

DRAWN: AB

DATE: 13-Apr-16

CRUISEMASTER™ IS THE REGISTERED TRADEMARK OF CRUISEMASTER AUSTRALIA PTY. LTD.

DO NOT SCALE