



GILTRAP

ENGINEERED PERFORMANCE

Construction Trailer

Operation & Parts Manual



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Part Number: 13008

Disclaimer

While every attempt has been made to ensure that information and diagrams in this manual are correct, Giltrap Engineering Limited will not be responsible for any damage or consequential loss arising out of misinterpretation or failure to follow recommended procedures; nor will it be liable for any damage caused by or arising out of modification or misuse of its product.

For parts or service enquiries, please use the applicable contacts on the previous page.

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Introduction

Thank you for purchasing a Giltrap product. *Giltrap Engineering Ltd* has enjoyed a long-standing success with their machinery. We would like you to enjoy the benefits of owning a Giltrap too. By following the guidelines laid out in this book, you will ensure trouble free, low maintenance operating for years.

Giltrap Engineering Ltd is a progressive company which continually strives to satisfy your needs, so we welcome any feedback which you can provide to help us improve our products and services and to ensure that they perform to your expectations. Any constructive comments about this operator's manual are also welcome.

Your machine has been designed to perform its task efficiently and with a minimum of maintenance. This handbook provides safety guidelines, instructions, maintenance requirements and parts listings. We recommend that you read the entire handbook, before operating the machine as this will enable you to take full advantage of your new machine's considerable potential.

Manual Evaluation

We update our operating manuals regularly. Your suggestions for improvement help us to create even more user friendly manuals. Send your suggestions by email to admin@giltrapag.co.nz.

Delivery and Warranty

Before you begin to use your machine, please check it to make sure there is no delivery damage. If damage is evident, contact the dealer who supplied the machine so that they can make the appropriate claims.

If you have any other queries, please contact your dealer or *Giltrap Engineering Ltd* (0800 80 GILTRAP).

All Giltrap products are covered by a 24-month warranty on parts and labour, subject to normal use.

Please fill in the details below for future reference.

Model:

Serial No:

Delivery Date:

Dealer:

Warranty

The Goods specified in the Price List as designed and supplied by Giltrap Engineering Ltd are warranted against faulty workmanship and defective materials for a period of 24 months from the date of purchase. In addition to the primary 24 month warranty for Giltrap products, there is a further 12 month structural warranty for the goods, against faulty workmanship and/or defective materials for structural items only. The structural warranty does not apply to electronics or component parts.

Such warranty is subject to the following conditions:

1. This warranty covers the repair or replacement of parts or machinery sold by the manufacturer and damaged as a result of the faulty workmanship or materials in such parts or machinery. It does not extend to any other loss or damage including consequential loss or damage or loss to other property or persons.
2. Without limiting the generality of paragraph 1 above, this warranty does not cover the following:
 - (a) Travel expenses.
 - (b) Damaged caused by accident, misuse or abuse.
 - (c) Damage to any goods which have been altered or modified by someone other than the manufacturer or its authorised agent.
 - (d) Damage or loss to the goods due to their unsuitability for any particular use or for using with any particular tractor except where such use or tractor had been specifically approved by the manufacturer.
 - (e) Damage or loss where the fitting and installation of the goods were not carried out by the manufacturer or its authorised dealer.
3. Procedure for recovery under warranty.
No loss or damage will be covered by this warranty unless the loss or damage is reported immediately to the dealer (who will contact the distributor who will advise whether it is covered by the warranty and undertake the necessary action).

No warranty repair work is to be undertaken prior to an order number being obtained.

This warranty shall be interpreted according to the laws of New Zealand and the parties agree to submit to the jurisdiction of the Courts of New Zealand.

Warranty Claims

If you wish to make a claim under warranty:

- Immediately stop using the machine.
- List details of the machine and damaged item including serial numbers and date of purchase.
- Consult with your Giltrap dealer (supplier) and have him forward your claim and the damaged item to Giltrap Engineering Ltd.

No warranty to be undertaken unless an order number is obtained from the Seller (Giltrap Engineering Ltd) prior to any work being done.

Serial Number Identification

Before ordering any parts, check the serial number and the delivery date of the machine and include this information with all orders.

If the Serial Number Plate is missing, the serial number will be stamped on the front of the drawbar.



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DRAWBAR VERTICAL RATING (kg):

GROSS LADEN MASS (kg):

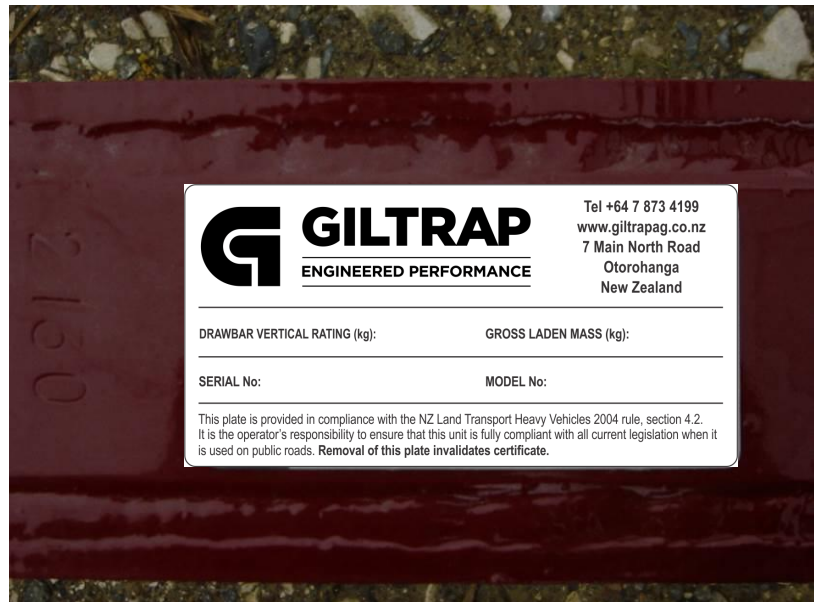
SERIAL No:

MODEL No:

This plate is provided in compliance with the NZ Land Transport Heavy Vehicles 2004 rule, section 4.2. It is the operator's responsibility to ensure that this unit is fully compliant with all current legislation when it is used on public roads. **Removal of this plate invalidates certificate.**



Serial number stamped onto chassis here



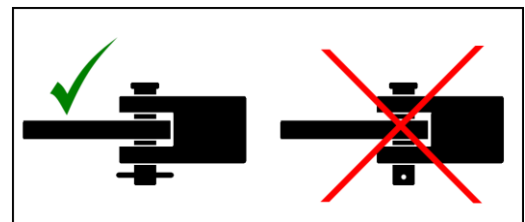
General Safety

For the safety of others and yourself, please read and follow the precautions in this operator's manual. Pay particular attention to the following safety aspects of operating machinery.

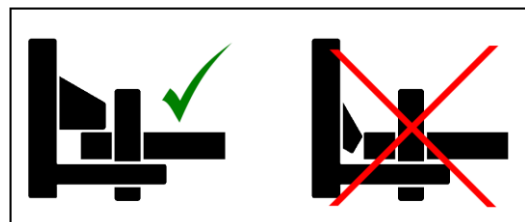
Do not ride on or allow passengers on the machine.



Always use a recognised hitch pin with a safety clip to hook trailed implements on behind the tractor.



Always ensure when using a quick hitch that the locking tab has come out and is in the locked position before moving.



Do Not operate tractor – trailer combination outside of manufacturers recommended drawbar loading.

Carry a suitable fire extinguisher.

A fire can ignite under certain conditions, so please take the following precautions:

After running your machine for a short time, check for defective bearings. A faulty bearing can become very hot, eventually discolouring, requiring immediate replacement.

Do not allow combustible material to accumulate inside guards or around rollers and other moving parts.

If your machine becomes blocked, stop immediately and remove the obstruction.

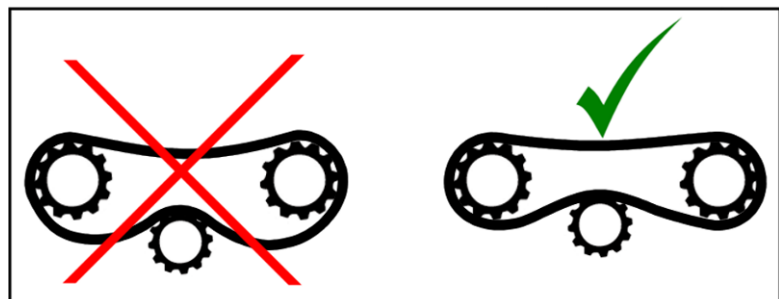
Be careful when operating in hot or dry conditions or on extreme fire risk days.



Never operate your machine without the safety guards in place.



All chains should be properly adjusted and replaced when necessary.



Release all hydraulic pressure from implements before commencing service work. Never look for suspected oil leaks with your hands or body - use a piece of cardboard instead. Any fluid that penetrates the skin will have to be removed immediately by a medical expert. Seek specialist advice on this type of injury.



Never attempt to unblock equipment while it is still operating. Always disengage power take-off, hydraulics and shut down engine before removing materials, checking or servicing. Failure to follow these precautions is likely to result in serious injury.



Wear proper protective clothing. Loose attire can easily be snagged by rotating machinery resulting in serious injury or death.



Pre-Service Guidelines & Settings

Prior to delivering your machine, your dealer should have completed a pre-delivery check.

It is required to check the following points before using the machine for the first time.

- CHECK ALL WHEEL NUTS ARE SUFFICIENTLY TIGHT.

Wheel Nut Recommended Torque Settings

M18	200 ft/lbs or 270Nm
M20	280 ft/lbs or 380Nm
M22	330 ft/lbs or 450Nm



- CHECK ALL TYRE PRESSURES ARE CORRECT.

Recommended Tyre Pressures

11.5/80-15.3	58psi	4.0 bar
400/60-15.5	50psi	3.5 bar
15.0/70-18	45psi	3.1 bar
400/55-22.5	46psi	3.2 bar
500/45-22.5	35psi	2.4 bar
500/60-22.5	35psi	2.4 bar
560/45R22.5	58psi	4.0 bar
560/60R22.5	58psi	4.0 bar
650/55R26.5	58psi	4.0 bar



- CHECK ALL AXLE MOUNTING BOLTS AND NUTS ARE SUFFICIENTLY TIGHT.

Axle Mounting Bolt Recommended Torque Settings

M16	180 ft/lbs or 245Nm
M20	355 ft/lbs or 480Nm



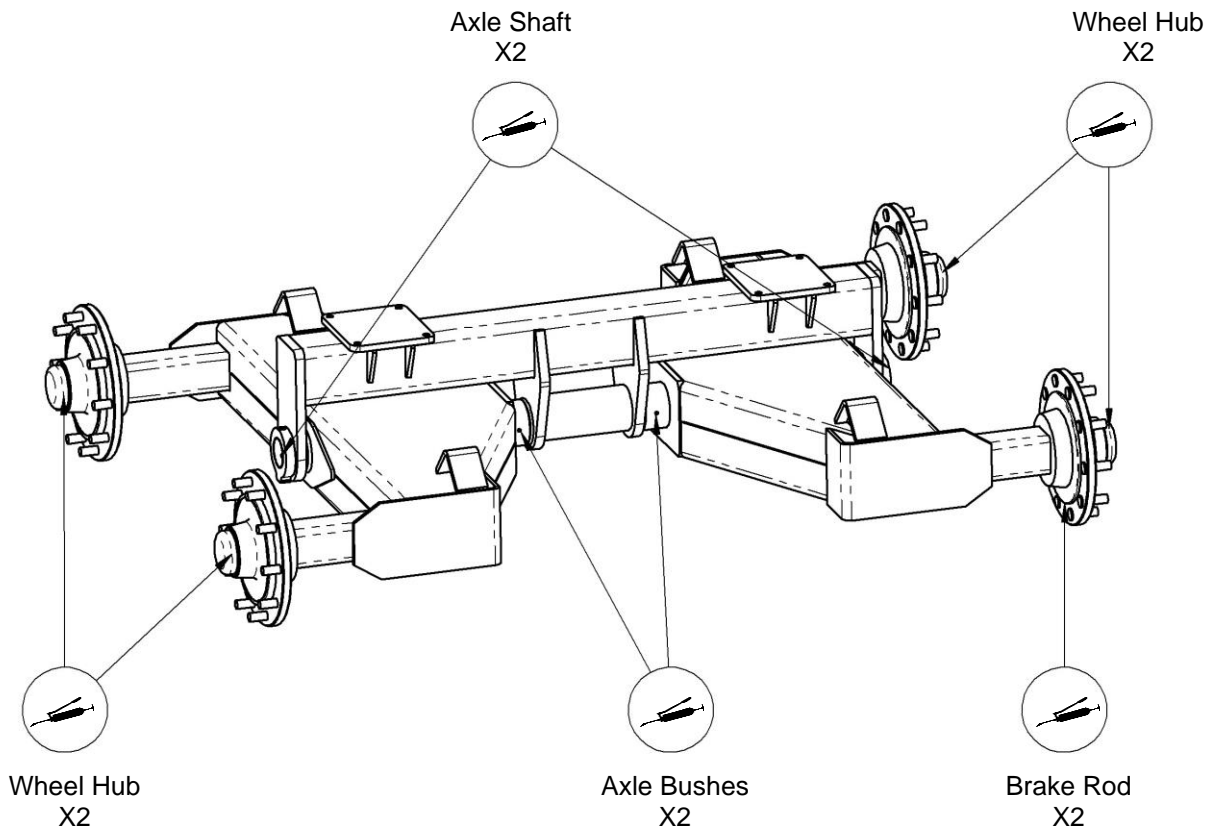
- THERE ARE SEVERAL GREASE POINTS on all Giltrap trailers. Check the yellow label on the side of your machine to see how many grease points there are. You should fully grease everything before running it for the first time. See page 11-13 for greasing and lubrication details.
- CHECK AND RETIGHTEN WHEEL NUTS AFTER:
 - First use
 - First laden journey
 - The first 50 hours and every 50 hours thereafter

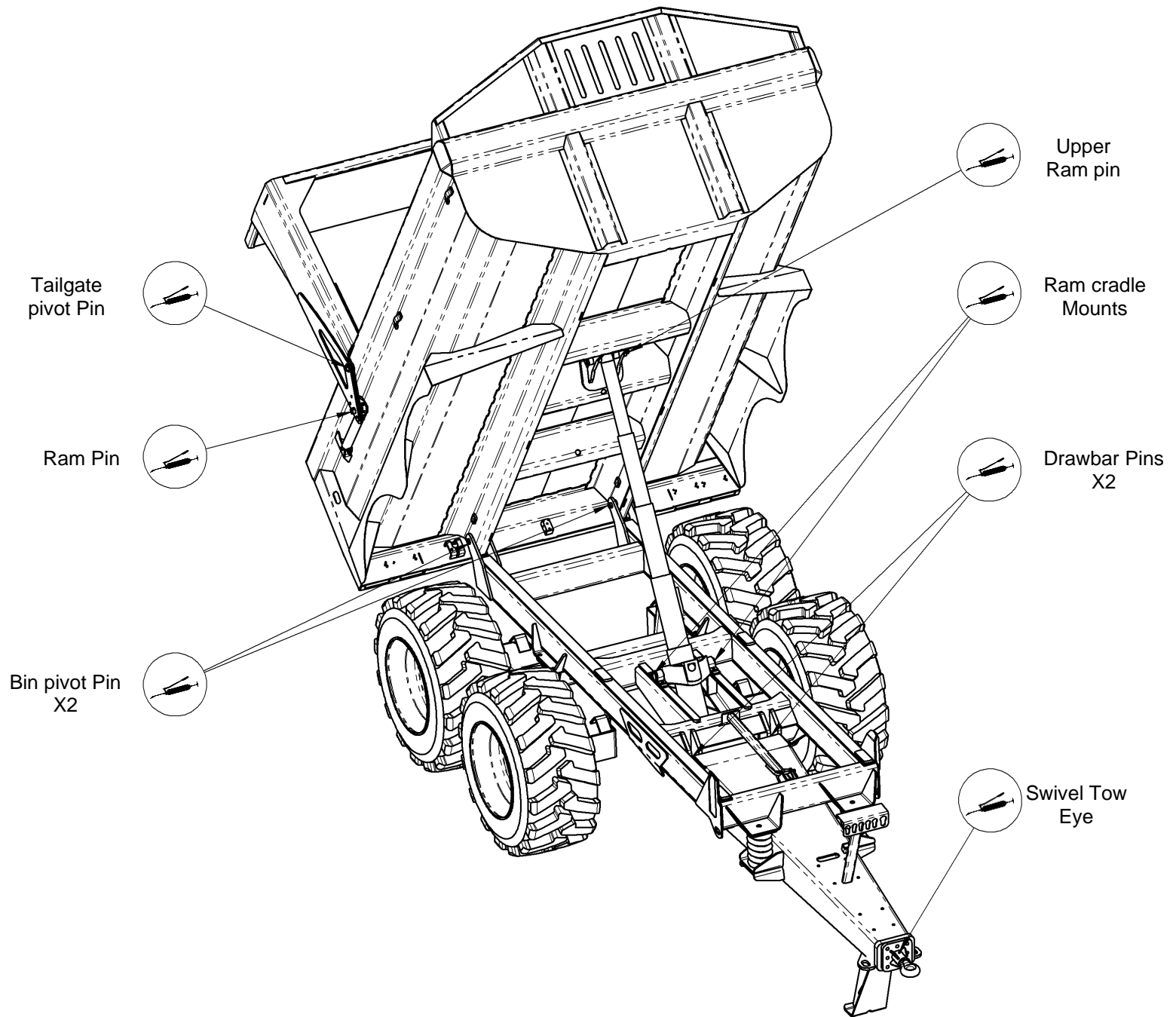
Greasing & Lubrication

Oil & Grease

Grease Grade Recommended
NLGI 2 oil based

Greasing & Lubrication Schedule	
Axle Bushes	– Grease every second day
Tailgate Pivot Pin	– Grease weekly
Lift Ram Pivot	– Grease weekly
Ram Cradle Mounts	– Grease weekly
Lift Ram Top Pin	– Grease weekly
Deck pivot Pin	– Grease weekly
Drawbar Pins	– Grease weekly
Swivel Tow Eye	– Grease monthly
Wheel Hubs	– Grease every 3 months
Brake Rod	– Grease every 3 months





Check the tyres regularly for correct pressure and check all bolts etc. for tightness

Installation

Connect the trailer to the tractor drawbar. Ensure that the tractor drawbar is the correct height so the trailer deck is close to horizontal.

Check that there are no hydraulic leaks in the hoses and fittings.

Check operation of brakes and ensure they are correctly adjusted.

Be aware of hazards and dangers before operating the equipment.

Be sure that the tractor is the correct size in relation to the trailer.

Operation

Do Not operate tractor – trailer combination outside of manufacturers recommended drawbar loading.

Ensure jack is raised before moving off

Fill trailer evenly where possible

When tipping, raise tailgate before lifting deck

Lift main deck. Easing forward as the load empties will speed up the process.

Lower the tailgate. Do not leave the tailgate in 'float.'

Hydraulic Requirements

Model	Lift ram capacity
CS17	22.2L
CS20	22.2L
CS22	29.7L

Parts Section

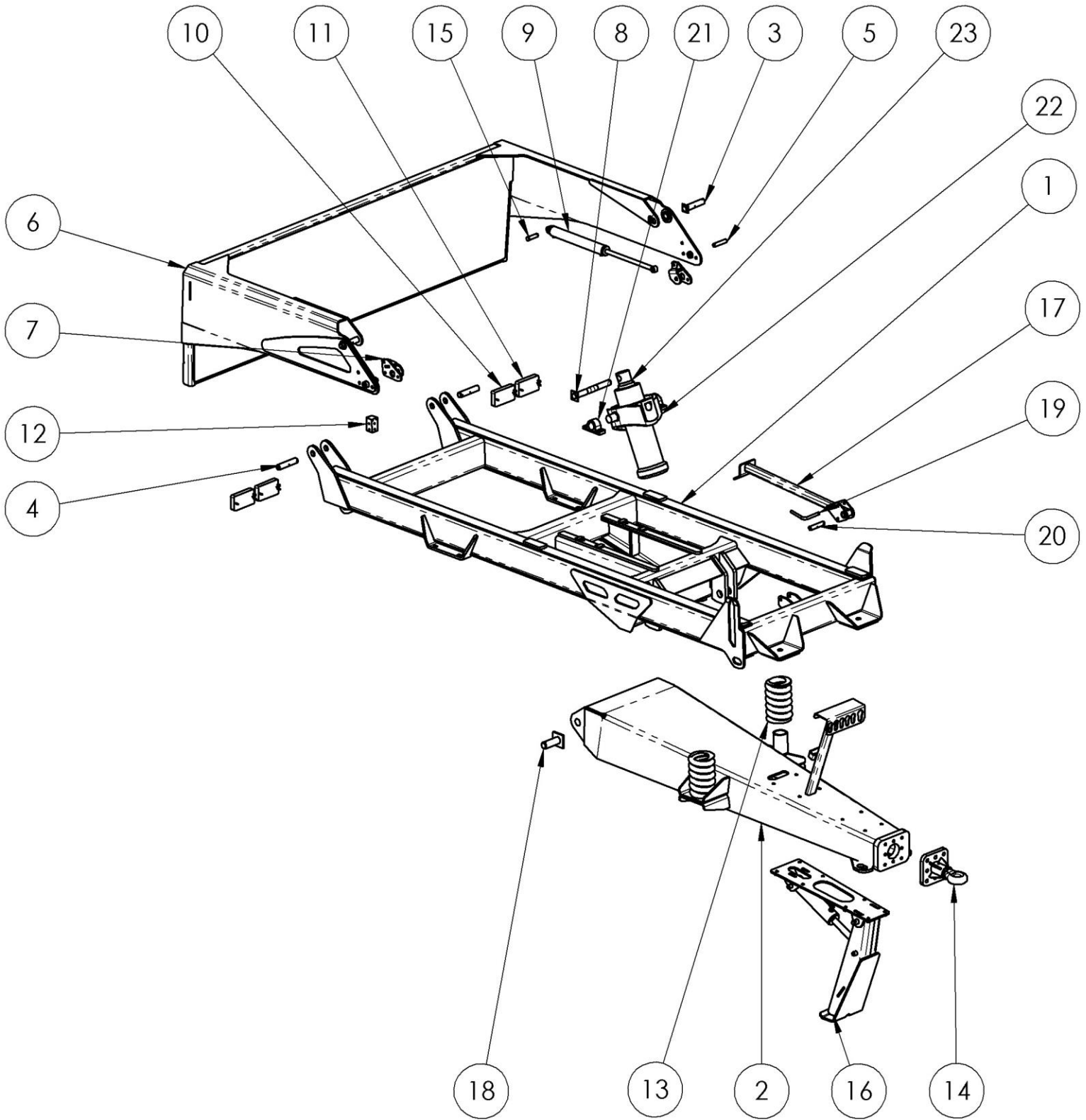


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Transfers & Decals

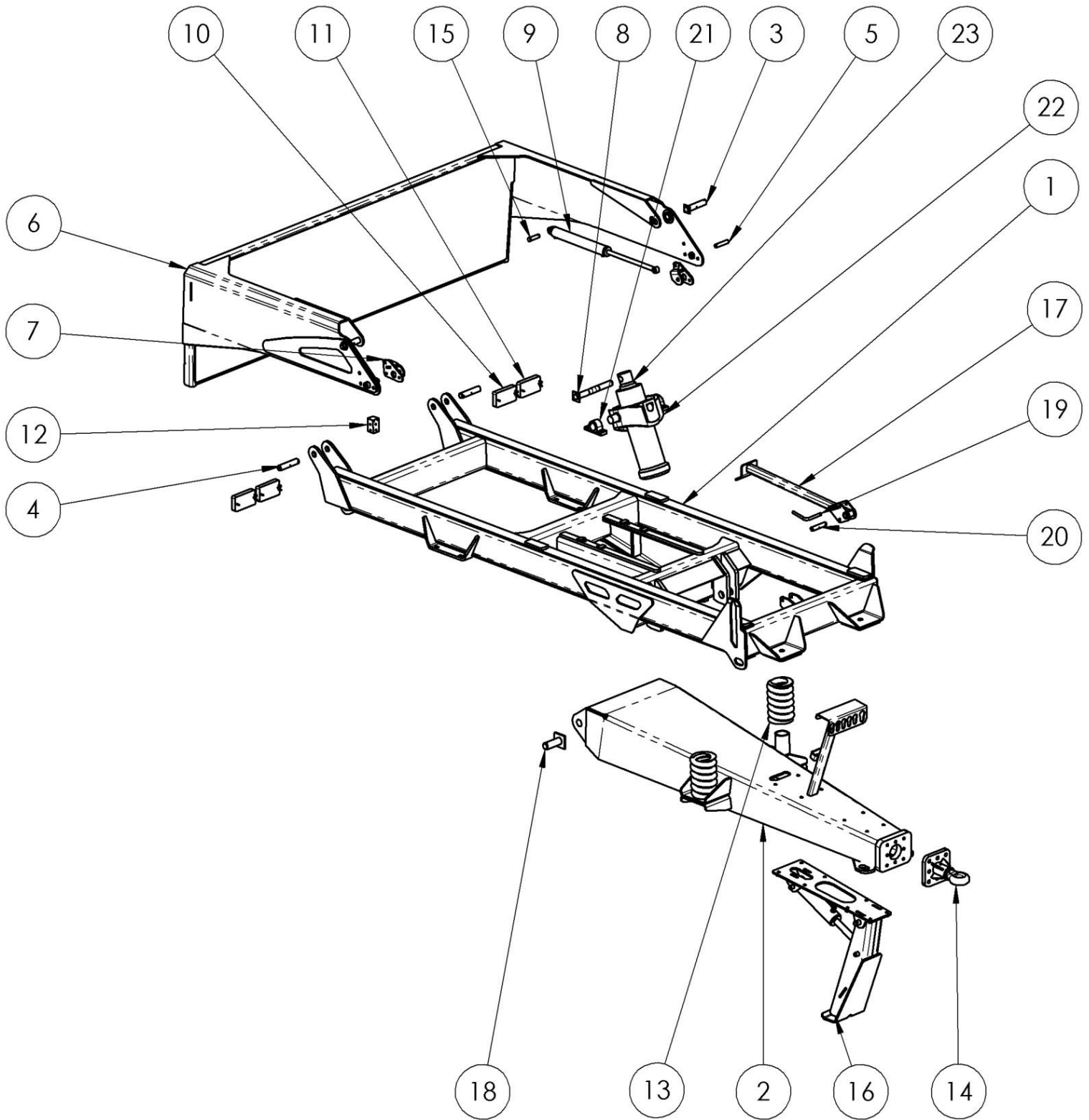
ITEM NO.	PART NUMBER	DESCRIPTION	CS17	CS20	CS22
1	995-3045	Big G	3	3	3
2	995-1228	Ensure jack is in...	1	1	1
3	995-1205	Crushing Hazard	1	1	1
4	995-1225	Do not reach under...	1	1	1
5.1	995-3035	CONSTRUCTION 17	2	0	0
5.2	995-3040	CONSTRUCTION 20	0	2	0
5.3	995-3042	CONSTRUCTION 22	0	0	2
6		HARDOX Sticker	2	2	2

CS17 Assembly



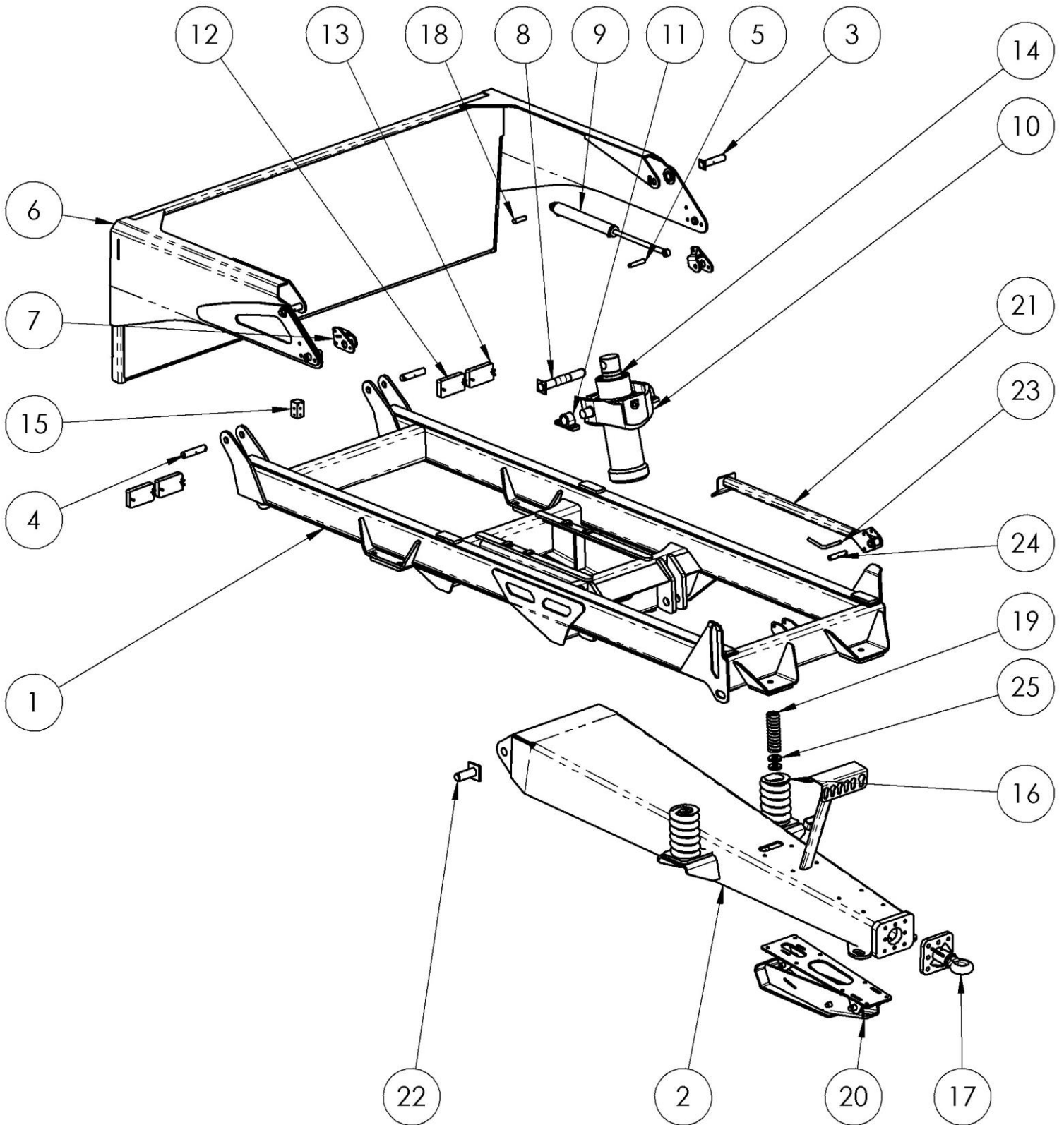
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	12343 CS17 Chassis welded assy	CS17 Chassis welded assembly	1
2	12377 CS17 Drawbar welded assy	drawbar	1
3	12005 Tailgate pivot pin	pin	2
4	900-0255	PIN Ø35 x 145	2
5	12787 Ram pin	PIN Ø22.00 x 95.75	2
6	12345 Tailgate welded assy	tailgate	1
7	12789 Ram mount assy	ram mount assy	2
8	12347	top ram pin	1
9	compact2x1x16	Ram 2" bore x 14" stroke	2
10	Hella 2330 Stop lamp		2
11	Hella 2151 Indicator lamp		2
12	HCV3383A Junction block		1
13	SGC260X168		2
14	10822 Tow eye welded assy	Tow eye assembly	1
15	10835-22	PIN Ø22.00x80.00	2
16	10823 Jack assy	hydraulic jack	1
17	10821 Stay assy		1
18	900-0290	PIN Ø45 x 106	2
19	301-4200	JACK MODEL 4 - SLEEVE PIN	1
20	900-0220	PIN 25mm T20-5/23-06 PIVOT	1
21	50mmTipo-1	TRUNNION MOUNT	2
22	Ram cradle CULLA 5	RAM CRADLE	1
23	4047F 4S 20T Ram assy		1
24		Seal kit	1

CS20 Assembly



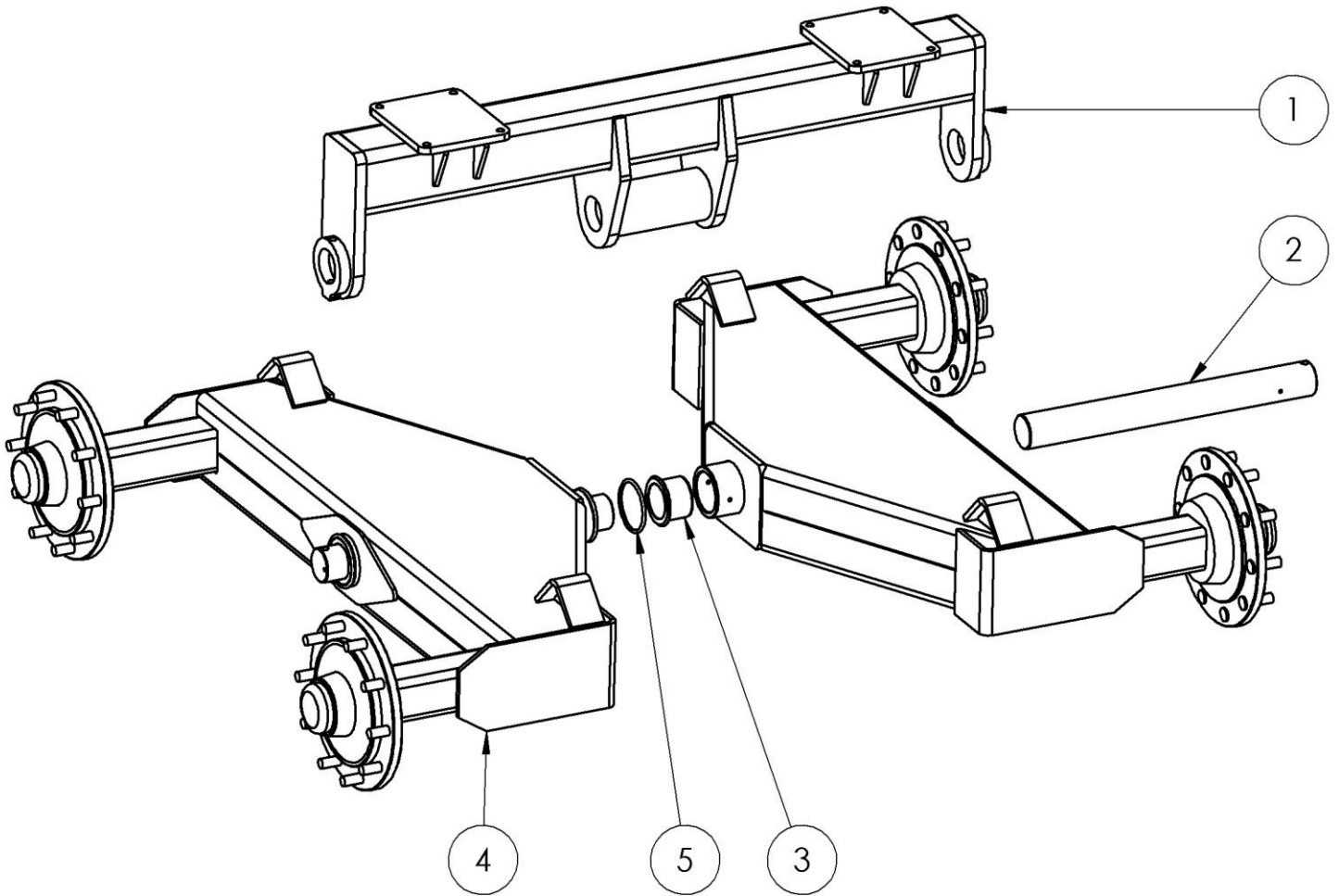
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	12382 CS20 Chassis welded assy	CS20 Chassis welded assembly	1
2	12384 CS20 Drawbar welded assy	drawbar	1
3	12005 Tailgate pivot pin	pin	2
4	900-0255	PIN Ø35 x 145	2
5	12787 Ram pin	PIN Ø22.00 x 95.75	2
6	12385 Tailgate welded assy	tailgate	1
7	12789 Ram mount assy	ram mount assy	2
8	12347	top ram pin	1
9	compact2x1x16	Ram 2" bore x 14" stroke	2
10	Hella 2330 Stop lamp		2
11	Hella 2151 Indicator lamp		2
12	HCV3383A Junction block		1
13	SGC260X168		2
14	10822 Tow eye welded assy	Tow eye assembly	1
15	10835-22	PIN Ø22.00x80.00	2
16	10823 Jack assy	hydraulic jack	1
17	10821 Stay assy		1
18	900-0290	PIN Ø45 x 106	2
19	301-4200	JACK MODEL 4 - SLEEVE PIN	1
20	900-0220	PIN 25mm T20-5/23-06 PIVOT	1
21	50mmTipo-1	TRUNNION MOUNT	2
22	Ram cradle CULLA 5	RAM CRADLE	1
23	4047F 4S 20T Ram assy		1
24		Seal kit	1

CS22 Assembly



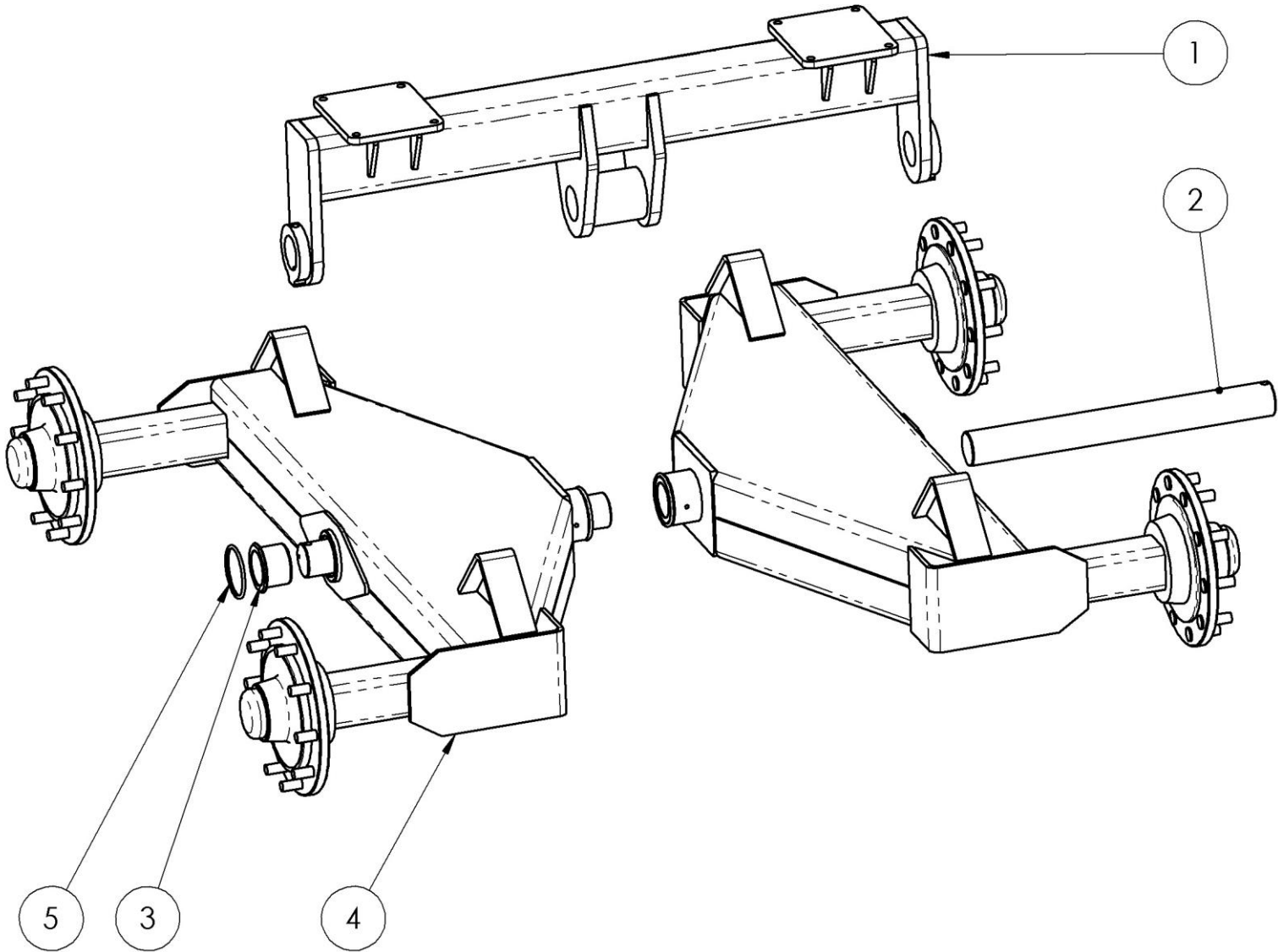
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	12234 CS22 Chassis welded assy	CS22 Chassis welded assembly	1
2	12378 CS22 Drawbar welded assy	CS22 Drawbar weldment	1
3	12005 Tailgate pivot pin	pin	2
4	900-0255	PIN Ø35 x 145	2
5	12787 Ram pin	PIN Ø22.00 x 95.75	2
6	12238 Tailgate welded assy	tailgate	1
7	12789 Ram mount assy	ram mount assy	2
8	12239	top ram pin	1
9	compact2x1x16	Ram 2" bore x 14" stroke	2
10	Ram cradle CULLA 6	RAM CRADLE CULLA 6	1
11	50mmTipo-1	TRUNNION MOUNT	2
12	Hella 2330 Stop lamp		2
13	Hella 2151 Indicator lamp		2
14	4048F 4S 25T Ram		1
15	HCV3383A Junction block		1
16	SGC260X168		2
17	10822 Tow eye welded assy	Tow eye assembly	1
18	10835-22	PIN Ø22.00x80.00	2
19	SGC230X70	230 x 70 COIL	2
20	10823 Jack assy	hydraulic jack	1
21	10821 Stay assy		1
22	900-0290	PIN Ø45 x 106	2
23	301-4200	JACK MODEL 4 - SLEEVE PIN	1
24	900-0220	PIN 25mm T20-5/23-06 PIVOT	1
25	12379	spring spacer	4
26		Seal kit	1

CS17 and CS20 Axle Assembly



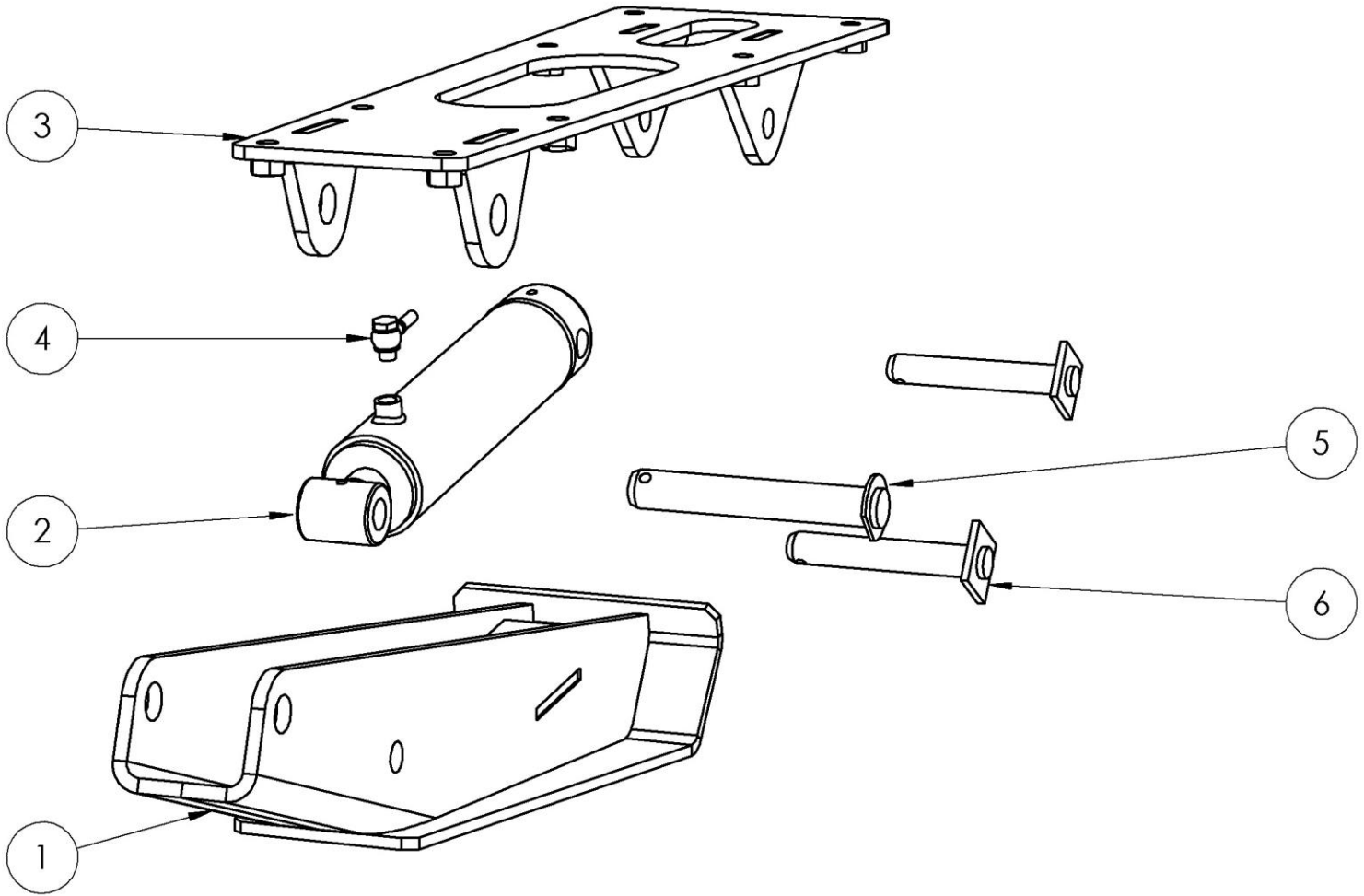
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	10828 Axle beam assy	Heavy Duty axle cross beam	1
2	50390 HD axle shaft	SHAFT Ø76.2x700	2
3	C28176-3 HD axle bush	BUSH Ø76x66	4
4	10827 Walking beam assy	WALKING BEAM ASSEMBLY	2
5	Oring Dust excluder	SEAL MR105x7	4

CS22 Axle Assembly



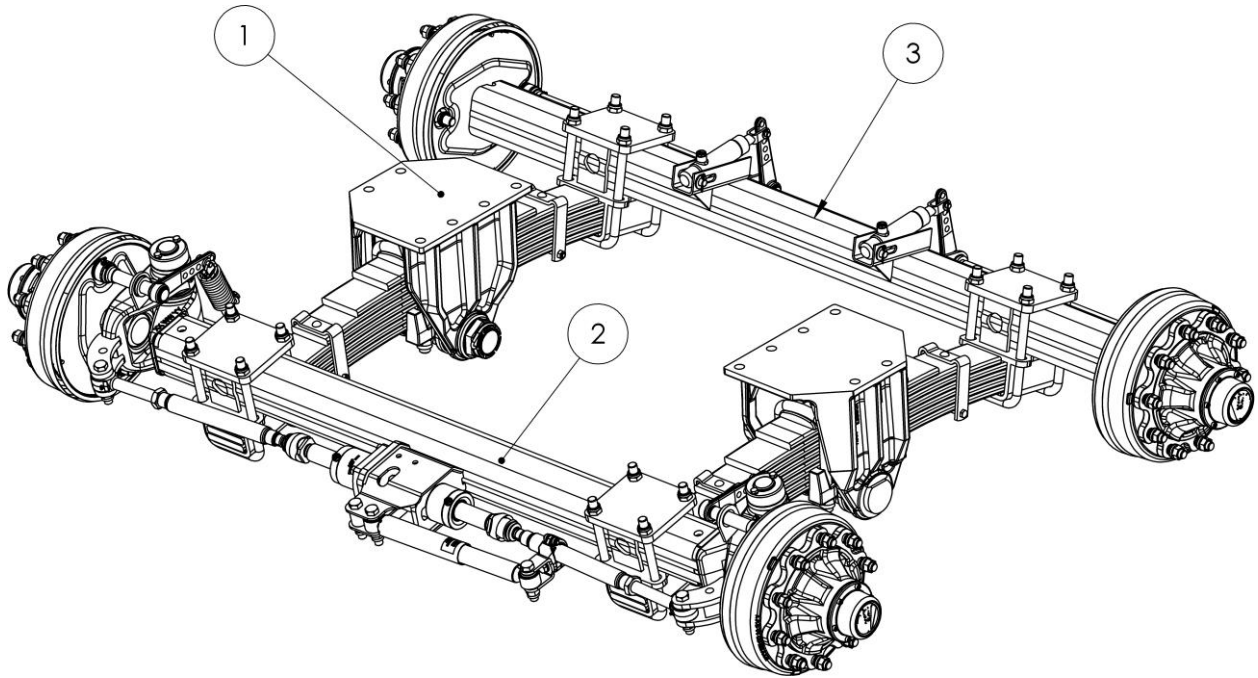
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	10828 Axle beam assy	Heavy Duty axle cross beam	1
2	50390 HD axle shaft	SHAFT Ø76.2x700	2
3	C28176-3 HD axle bush	BUSH Ø76x66	4
4	11151 Walking beam assy		2
5	Oring Dust excluder	SEAL MR105x7	4

Jack Assembly



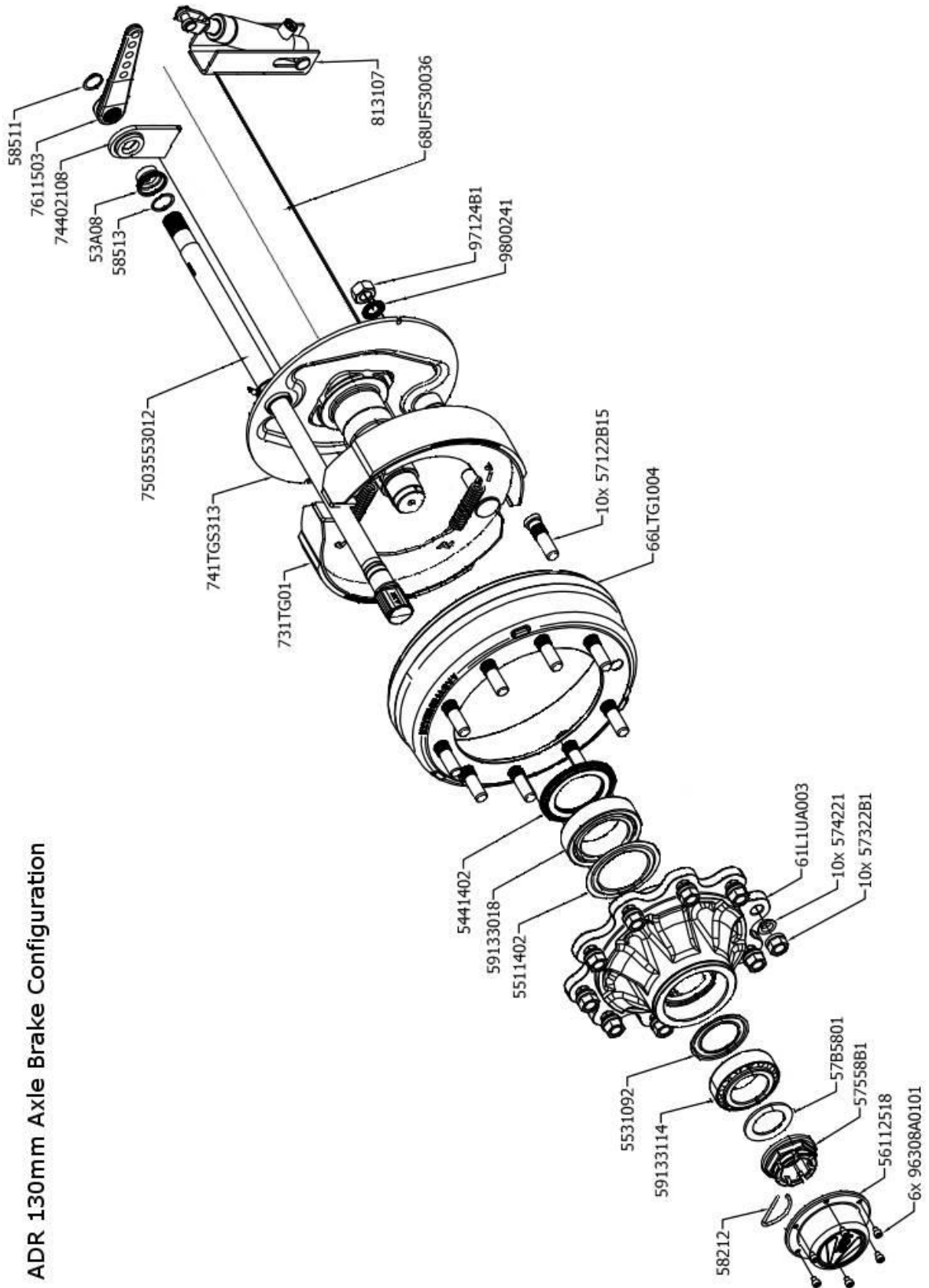
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	10824 Jack foot assy		1
2	10825 Jack ram assy	CROWD CYLINDER 1.5" X 3" X 245	1
3	10826 Jack mount assy		1
4	3-8 Banjo stack		1
5	50099 top ram pin		1
6	900-0234	PIN 25mm 2-6T/T20-T37 LOWER RAM MOUNT c/w HEAD	2

ADR 21.5T Sprung Bogie



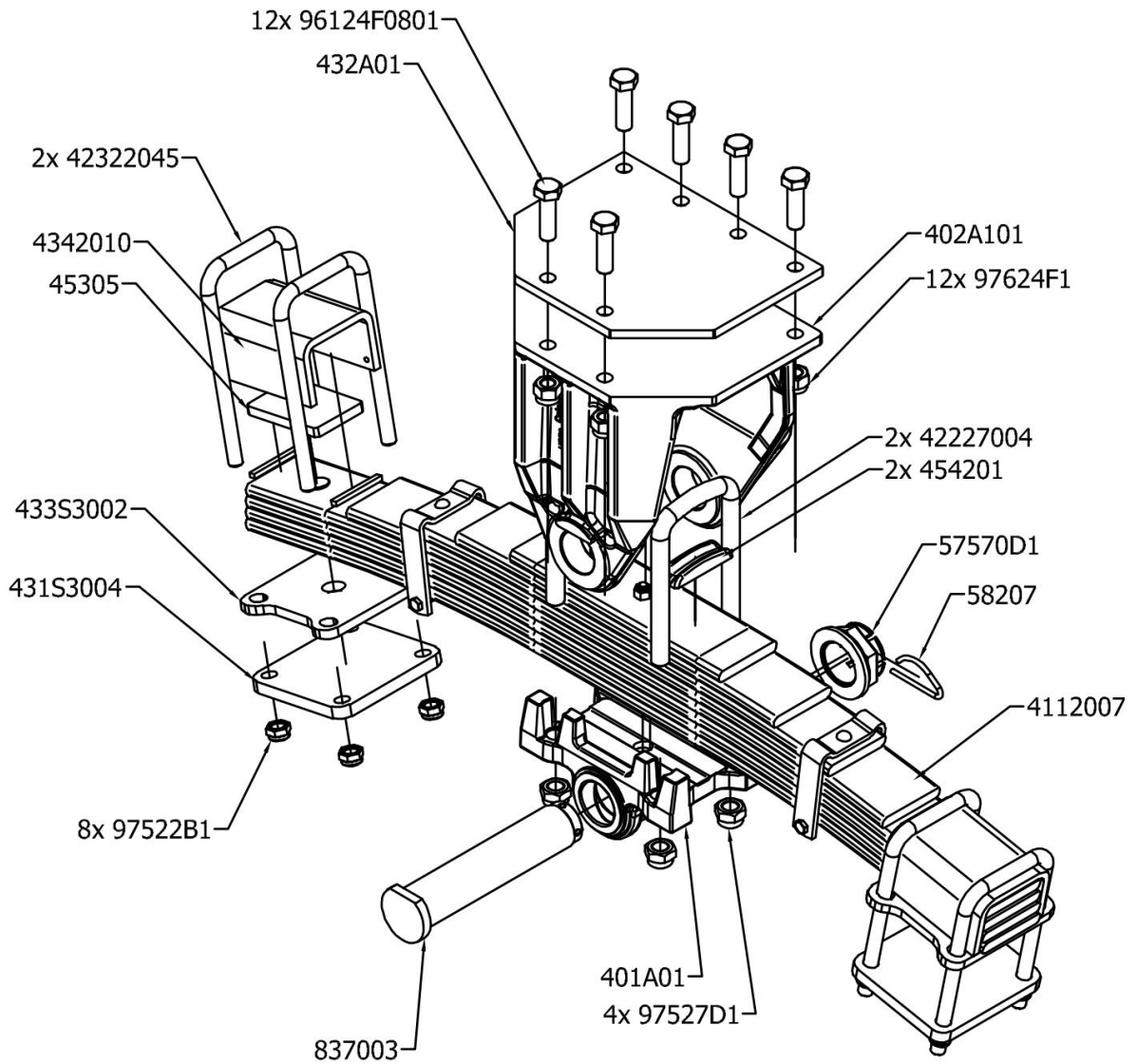
Item	Part Number	Description	Qty
1	SPA21.5T-4/1	21.5t Bogie Axle Springs(Set)8 Leaves (1360mm Axle Centres)	2
1	SPA21.5T-4	21.5T BOGIE AXLE SPRINGS(SET)9 LEAVES (1500mm Axle Centres)	2
2	SPA21.5T-5	21.5t 130mm Plain Axle/Hyd Brakes	-
3	SPA21.5T-6	21.5t 130mm S/Steering Axle/Hyd Brakes	-

ADR 130mm Axle Brake Configuration

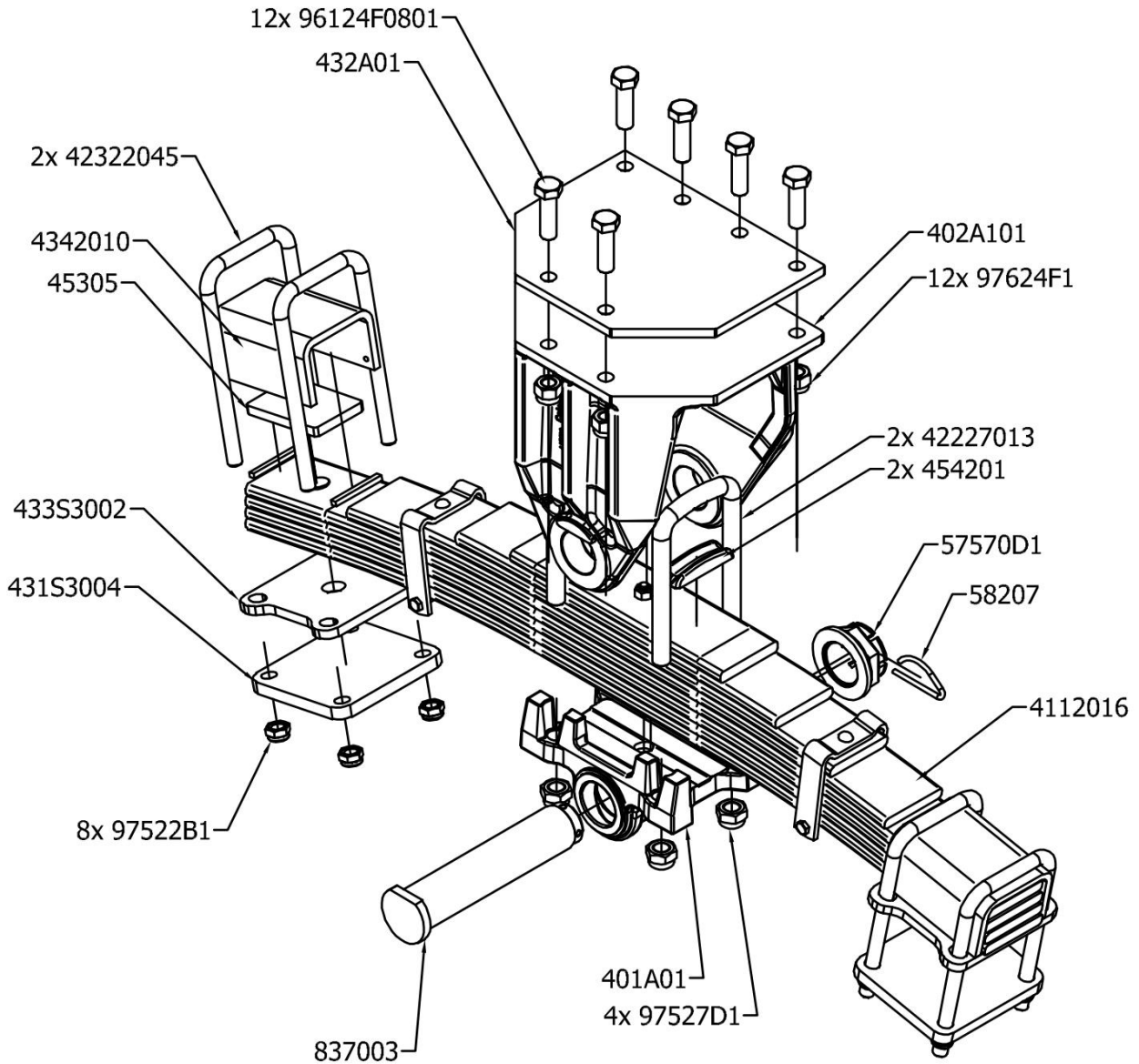


ADR 130mm Axle Brake Configuration

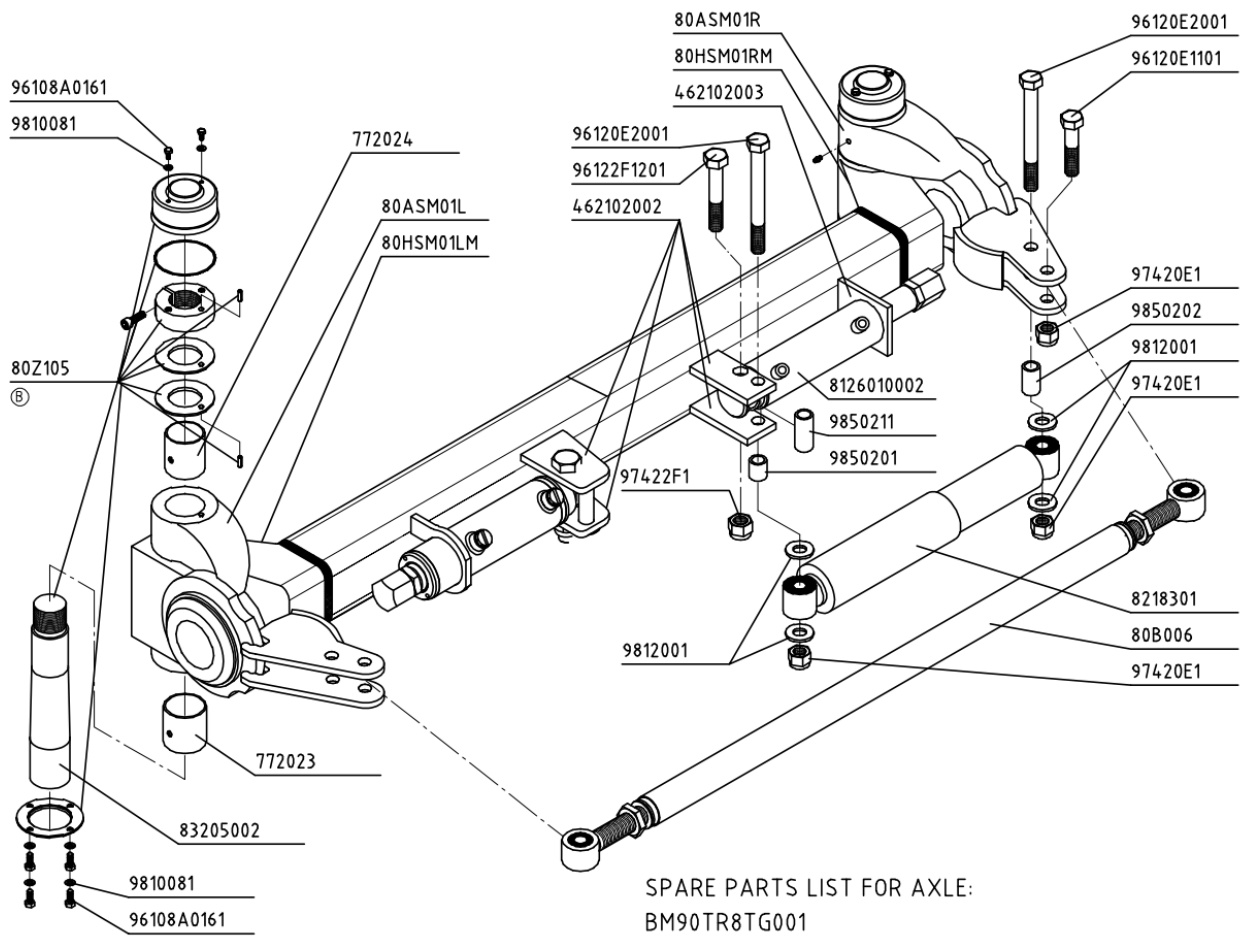
ARD 1360 8 Leaf Bogie



ARD 1500 9 Leaf Bogie



ARD Steering Axle Assembly

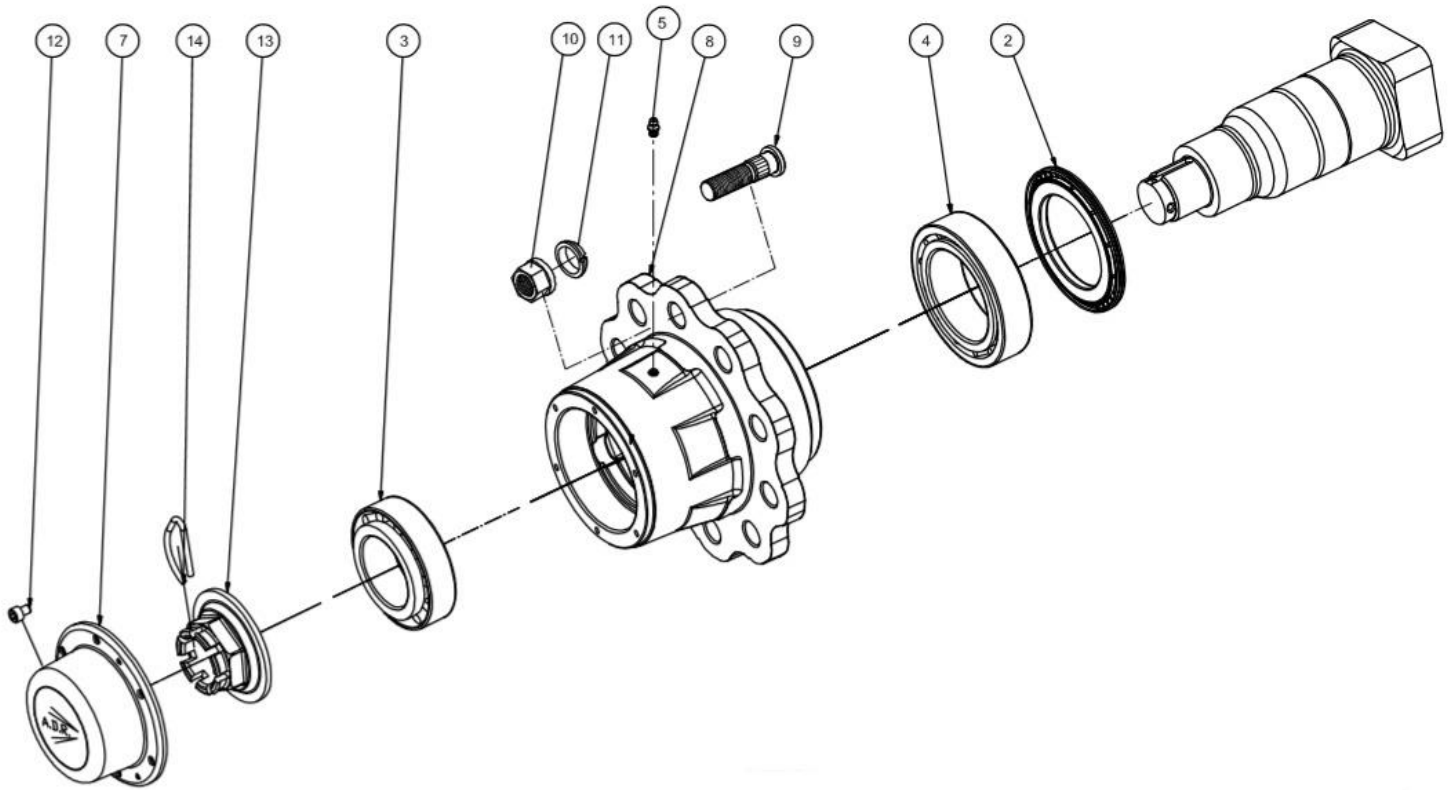


Steering Axle parts list

BM90TR8TG001		
Component	Description	Link Quantity
96120E1101	SCREW EH M20X2,50 L110 CA08,8	2
96108A0161	SCREW EH M08X1,25 L016 CR08,8	10
9810081	WASHER M08 D008,4 D016 TK1,6	10
80Z105	ASSEMBLY FOR RING-NUT SM	2
98608A2	GREASE NIPPLE 45° M08X1.25	4
80B006	COUPLING BAR L1890-2189	1
8218301	SHOCK ABSORBER D080 S241	1
9.74E+05	SELF LOCKING NUT M20X2.50 CA8	2
9812001	WASHER D020.5 D050 TK 4.0	4
9850201	SPACER D020.5/038 L032	1
9850202	SPACER D020.5/038 L045	1
9850211	SPACER D021/26.9 L060	1
96120E2001	SCREW EH M20X2,50 L200 CA08,8	2
8126010002	HYDR CYLINDER D060/040 S100	2
97422F1	SELF LOCKING NUT M22X2,50 CA8	2
96122F1201	SCREW EH M22X2,50 L120 CA08,8	2
80ASM01R	OUTER ARM RG COMPLETE 10 SM	1
80ASM01L	OUTER ARM LF COMPLETE 10 SM	1
741TG9015	BRAKE SUPPORT 408E S090	2
7503552006	CAM SHAFT D35 B0225 FLAT	2
58513	SEEGER D038 DIN471 FOR SHAFT	2
58511	SEEGER D032 DIN471 FOR SHAFT	2
97124B1	NUT M24X1.50 DIN 934	2
53A08	RUBBER CAP FOR CAM SHAFT Ø35	2
9800241	TWIN WASHER M24	2
74402752	SUPPORT STN B4SM 408E LEFT	1
74402652	SUPPORT STN B4SM 408E RIGHT	1
468002	ASSEMBLY SUPPORT PLATES	2
80HSM01LM	INNER ARM LF MACHINED SM 10	1
80HSM01RM	INNER ARM RG MACHINED SM 10	1
59132213	32213 065 120 32.75	2
59132216	32216 080 140 35.25	2
57120B12	STUD M20X1,50 L083	16
61L8TD004	HUB H08 20 120-140 220-275	2
98608A1	GREASENIPPLE STRAIGHT M08X1.25	2
5471403	GREASE SEAL INDUSTRIAL 082/140	2
66LTG0801	DRUM 400X080 H08 20 275-220	2
731TG01	BRAKE ASSEMBLY 400X080 408E	2
56112518	CAP 125 BOLT ON ADR	2
57548B6	CROWN NUT M48X1.50 WR65 H44	2

BM90TR8TG001		
Component	Description	Link Quantity
58209	SPRING PIN FOR NUT M48	2
96308A0101	SCREW SH M08X1,25 L010	12
7611503	LEVER 35 BNA FIXED	2
462121002	PLATE TK12 S235JR EN10025	2
813104	ASSEMBLY CYLIND D030/025 S110	2
574201	LIMES WASHER FOR M20	16
57320B1	STUD NUT M20X1.50 WR30	16

ADR 100mm



ITEM	CODE	DESCRIPTION
14	58209	SPRING PIN
13	57548B6	CROWN NUT
12	96308A0101	SOCKET HEAD SCREW
11	574221	LIMES
10	57322B1	STUD NUT
9	57122B2	STUD M22
8	61L1UA004	HUB 10 HOLES
7	56112518	CAP WITH GASKET
5	98608A1	GREASE NIPPLE
4	59133018	FRONT TAPER ROLLER BEARING 33018
3	59133114	REAR TAPER ROLLER BEARING 33114
2	5471404	GREASE SEAL