

PRO 1800-3200 OPERATORS AND PARTS MANUAL



POWERSPREAD PRO

Shelbourne Reynolds Engineering Ltd
Stanton
Bury St Edmunds
Suffolk
IP31 2AR
England

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Fax: 01359 250464

Stores Direct : 01359 251231
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Issue 16 08/09/2016

ORDERING SPARE PARTS

IMPORTANT

Your Powerspread is made up of a Machine assembly number (common parts), specific sub assemblies and also customer optional build kits. The machine, sub assemblies and optional kit numbers are listed in the front pages of your Operators manual, part no. MAN-06210.

If you do not have these numbers please contact Shelbourne Reynolds Parts Department direct on (telephone) 01359 251231.

To ensure that you order the correct part from your SRE dealer please use the following procedure.

ALWAYS QUOTE THE MACHINE AND SERIAL NUMBERS WHEN ORDERING.

Refer to the Parts Manuals front page/s, listing the machine assemblies. Select the correct machine assembly number which is printed in the top left corner of the page (starting with 6099__ 01), This machine number can also be taken off the Powerspread identification plate located on the front of the main chassis beam.

On this page you will find the parts listing for the common parts for every configuration of that machine assembly number.

You will find the corresponding drawing by either looking at the facing page or progressing through the manual to the next drawing.

The drawings indicate the components by item numbers, which you will find, are repeated in the left-hand side of your parts listing, and therefore referring to the correct part.

Note all parts will not be found listed below the machine number. Other parts will be from specific sub assemblies and optional kits. These sub assemblies and kits will be found in numerical order further through the manual.

Sub assemblies start with 6090__ 01 and kits start with KIT- _____.

Dealer Pre-delivery / Installation check and warranty registration – Powerspread

PLEASE TICK APPROPRIATE COLUMN FOR EACH ITEM UNDERTAKEN

| Dealer Pre Customer Delivery / Installation / Commissioning | Checks OK | Adjusted |
|---|-----------|----------|
| Check the PTO shaft length is compatible with the tractor. | | |
| Rotate the auger & check there are no unusual scratching or knocking sounds. | | |
| Ensure the chain-oiler system (Contractor only) is working correctly, & the chains are pre-greased. | | |
| Check chains are tensioned correctly. | | |
| Rotate the impeller, check it rotates freely, and is clear of the door and drip tray. Adjust impeller blades (Dairy) or impeller adjuster studs (Contractor) as required. | | |
| Ensure the hoses are not taught when connected to the tractor. | | |
| Check operation of all hydraulic services. | | |
| Check hydraulic system for leaks. | | |
| Check brake ram operation & adjustment. | | |
| Check braking system for oil leaks. | | |
| Check tyre pressures. | | |
| Check wheel nuts for correct torque setting. | | |
| Check operation of handbrake. | | |
| Lubricate all grease points. | | |
| Check in general that nuts & bolts are tight. | | |
| Check paintwork & finish. | | |
| Ensure that all safety guards & decals are fitted. | | |
| Ensure that an operator's manual is supplied with the machine. | | |
| Additional Comments: | | |
| | | |
| Dealer Representative's Name: | | Date: |

| Customer Instruction | | Actioned |
|---|--|----------|
| Explain the correct setting & operation of the machine to the customer. | | |
| Ensure the machine is correctly attached to the customer's tractor. | | |
| Ensure the maintenance schedule is explained to the customer. | | |
| Ensure the lubrication & grease points are indicated to the customer. | | |
| Ensure all safety precautions & warning decals are explained to the customer. | | |
| Ensure the warranty policy is explained to the customer. | | |
| Ensure that the operators manual is handed to the customer. | | |
| Additional Comments: | | |
| | | |
| Dealer Representative's Name: | | Date: |

For specific details please refer to the operator's manual.

Dealer's pre-delivery/installation check

IMPORTANT

All items listed on the left must be checked, and adjusted if necessary. The person conducting the inspection should tick each item in the space provided, indicating whether or not adjustments were required. In the event of additional work being needed, details should be given in the additional work / discrepancy box, located at the bottom of this sheet, or on a separate sheet if required. When the inspection is complete, THIS FORM MUST BE COPIED & RETURNED TO:- Shelbourne Reynolds within 30 days of delivery to customer, otherwise the invoice date to the dealer will be deemed to be the start date for the warranty period.

Dealer Name: _____

Address: _____
 _____ Post / Zip code: _____

Dealer Salesman Name: _____

Customer Name: _____

Business Name (if different from above): _____

Address: _____

 _____ Post / Zip code: _____

Email Address: _____

Tel No. Home / Office: _____ Cell / Mobile: _____

SERIAL NUMBER: _____ MACHINE NUMBER: _____

MODEL: _____

Dealer signature: _____

Print Name: _____ Date: _____

Customer's Signature: _____

Print Name: _____ Date: _____

The customer's signature certifies that the machine was delivered in a satisfactory condition and that adequate instruction was received as to its correct operation, safety requirements, and maintenance as stated in the operator's manual, and that the customer has read, understood, and agrees to the Terms and Conditions of Sale and Warranty (including the disclaimers and limitations) contained in Section 1.5 of the operator's manual.

Additional work / discrepancies:

**This page must be faxed or e-mailed to Shelbourne Reynolds Engineering Ltd.
 Fax No: - +44 (0)1359 250464. E-mail: - warranty@shelbourne.com**

EC Declaration of conformity for machinery

(Machinery Directive 2006/42/EC, Annex II., sub. A)

Manufacturer : Shelbourne Reynolds Engineering Ltd.

Address : Shepherds Grove Industrial estate,
Stanton,
Bury St Edmunds,
Suffolk.
England.
IP31 2AR

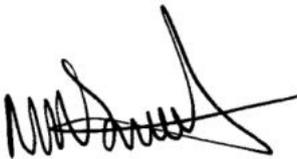
Name and address of the person (*established in the European Community/EEA*)
authorised to compile the technical file (*to the authorities on request*):

Name : Mr. Neil Smith

Address : As stated above.

| | | |
|----------------------------|--------------|--|
| Herewith we declare that : | DESIGNATION: | <input type="text" value="MANURE SPREADER"/> |
| | MODEL: | <input type="text"/> |
| | TYPE: | <input type="text"/> |
| | MACHINE No.: | <input type="text"/> |
| | SERIAL No.: | <input type="text"/> |

- is in conformity with the relevant provisions of the Machinery Directive (2006/42/EC)



Neil Smith
Director

Place :

Date :

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SECTION 1

INTRODUCTION

1.1 FOREWORD

This manual will assist the operator to set, operate and service the Shelbourne Reynolds Powerspread Pro, to give safe, efficient and optimum spreading throughputs. It should be read carefully before putting the machine to work. Later sections illustrate and list all relevant spare parts.

The range consists of 4 models, sized from 8m³ to 14.5m³. They are designed to spread different types of material from slurry, to the heaviest farmyard manure.

As with all machinery, routine maintenance is a necessary condition for long life and it will repay the operator to read this manual and to follow the operating and maintenance instructions carefully.



1.2 IMPROVEMENTS AND CHANGES

Shelbourne Reynolds Engineering are continually improving their products to meet the farmers needs and therefore reserve the right to make improvements and changes when practical to do so, without incurring any obligation to make changes and additions to equipment which has been sold previously.

1.3 SERVICE PARTS

Use guaranteed and genuine Shelbourne Reynolds Engineering service parts on Shelbourne Reynolds machinery to ensure maximum life and best performance. These are available through your Shelbourne Reynolds Engineering dealer.

When ordering service parts always quote the model, serial number and machine number.

1.4 MACHINE IDENTIFICATION

The serial and machine numbers of the Powerspread Pro spreaders are printed on a plate located on the left hand side of the machine.

| | | | |
|--|--|----------------|----------------------|
|  | | | |
| TYPE | <input type="text"/> | SERIAL No. | <input type="text"/> |
| MACHINE No. | <input type="text"/> | | |
| MAX GROSS WEIGHT | <input type="text"/> | UNLADEN WEIGHT | <input type="text"/> |
| DRAWBAR MAX LOAD | <input type="text"/> | YEAR | <input type="text"/> |
| DESIGNATION | <input type="text"/> | | |
|  | SHELBOURNE REYNOLDS ENGINEERING LTD STANTON, SUFFOLK, IP31 2AR. ENGLAND | | |

1.5 STANDARD WARRANTY POLICY

NEW MACHINE WARRANTY

All new machines supplied by **Shelbourne Reynolds Engineering Ltd.** (“Shelbourne”), are warranted to the original purchaser, under normal use and service, to be free from defects in material and workmanship for a period of 12 months from the date of delivery to the original purchaser. This limited warranty gives you specific legal rights and is in addition to any statutory rights to which you may be entitled. Your statutory rights are not affected by this warranty.

To qualify for the full benefit of this warranty, the dealer must ensure that the warranty registration details have been returned to Shelbourne within 30 days from the date of delivery. Using the machine implies the knowledge and acceptance of these instructions and the limitations contained here in this Manual. Shelbourne reserves the right to suspend the operation of these warranty conditions unless and until the purchaser has paid in full for the goods or parts in question.

LIMITATIONS AND EXCLUSIONS

Shelbourne and the authorised Shelbourne dealer shall not be liable to the original purchaser under any circumstance for injuries, death, property damage or damages of any kind whatsoever directly, consequential or contingent to any person or property. Furthermore, the warranty shall not extend or apply to temporary repairs or in respect of loss or any expense incurred for labour, additional or substitute machinery, rental or for any other reason or purpose.

Shelbourne will not be liable under this warranty for any repairs carried out without its prior consent to the work being done. Any fault should be reported to an authorised Shelbourne dealer as soon as discovered. Continued use of the machine could cause further failures for which Shelbourne cannot be held liable and may also have safety implications.

Authorisation must be given by Shelbourne Service personnel – no other employee, dealer or other person is authorised to give any warranties on behalf of Shelbourne.

Subject to the conditions and exclusions noted in this limited warranty, Shelbourne shall repair or replace free of charge any warranted parts which in our opinion show evidence of such defect provided that any such parts are returned within 30 days by the authorised Shelbourne dealer from whom the purchase was made.

Any parts on which warranty is allowed becomes the property of and must be returned to Shelbourne if Shelbourne so requests. All claims must be submitted to Shelbourne by an authorised Shelbourne dealer within 15 days of the date of the repair on a Shelbourne Warranty Claim Form. The submission of a claim is not a guarantee of payment. Any decision reached by Shelbourne is final.

This limited warranty by Shelbourne does not cover:-

- 1) Damage or depreciation caused by normal wear and tear. Any parts which have been subjected to alteration, modification or fitment of non-genuine Shelbourne parts, wilful or accidental damage, damage caused by foreign objects (e.g. stones, metals and any materials other than those suitable for the machines intended use).
- 2) Damage or depreciation caused by neglect or failure to carry out proper maintenance as recommended in the Shelbourne Operators Manual.
- 3) Damage or depreciation caused by abnormal or in-proper use in accordance with Shelbourne recommendations and/or as per the Operating Instructions.
- 4) Items not covered also include chains, bearings or any other items which are considered to be a normal wearing or consumable item.
- 5) Items not manufactured by Shelbourne such as trade accessories e.g. tyres, belts, hydraulic motors, hydraulic valves, PTO shafts etc. are warranted by their respective manufacturer. The original purchaser shall only be entitled to the benefit of any such warranty given by them.
- 6) Environmental Damage.

TRANSFER OF WARRANTY

Shelbourne may at its sole discretion allow this warranty to be transferred to a subsequent owner of the machinery for the balance of the warranty period, subject to all of the warranty conditions being met and only with Shelbourne giving prior written consent.

WARRANTY ON PARTS

Shelbourne warrants that any part or components supplied by Shelbourne in accordance with this limited warranty are free from defects in material or workmanship from the date of sale to the original purchaser for 6 months. Shelbourne will at its option, either repair or replace the defective part free of charge. Original Purchaser shall be responsible for labour and all freight charges to and from the place where the warranty work is performed.

Shelbourne Reynolds Engineering Ltd. cannot be held responsible for any failures or safety implications arising from the use of non-genuine parts. Use of non-genuine parts may seriously affect the machine's performance and safety.

SECTION 2: SAFETY PROCEDURES

2.1 ACCIDENT PREVENTION

The following safety instructions are applicable for all chapters of this manual.

Accident programmes can only prevent accidents with the co-operation of the persons responsible for the operation of the equipment.

For safety of yourself and others, operate equipment with care and do not take unnecessary risks, which could cause an accident.

Please read all safety instructions contained in this operating manual with the utmost care and also observe all safety signs attached to the Powerspread. Follow these instructions to prevent accidents. These instructions must also be made available to all other users. You are advised to refrain from any working methods, which may be hazardous.

All relevant accident prevention regulations governing the operation of agricultural machinery, as well as other generally acknowledged health and safety regulations and road traffic regulations must be strictly observed.

The tractor's manufacturer's operator's manual, safety precautions should also be adhered to when using the Powerspread.

The 'Safe stop' procedure is mention throughout this manual. It is extremely dangerous to carry out any work on a machine while it is under power. The most important safety measure is to follow the Safe Stop procedure before carrying out any maintenance or adjustments, including dealing with a blockage or other problem:

The procedure is as follows:

- Put the handbrake on.
- Make sure the controls are in neutral (equipment made safe).
- Stop the engine (or turn off the power).
- Remove the key (or lock-off the power supply).

CAUTION



This symbol will appear throughout this manual whenever your safety, the safety of others or the machinery, is involved.

2.2 SAFETY SIGNS

The following safety signs appear on the machine, they provide important instructions for safe work. – Take them into consideration for your safety and the safety of others. Ensure that you identify each symbol and understand its warning.



These safety signs must be kept in a legible condition and must be replaced if missing or damaged. This is especially the case when whole sections are replaced when making repairs. Replacement safety signs are available as spare parts through your dealer or importer.

SAFETY SIGNS

| | | | | | | |
|---|--|---|--|---|---|---|
| <p>TNF-0011</p> <p>Stop the engine and remove the key from the tractor's ignition before carrying out any work on the machine.</p> | <p>TNF-0011</p> <p>Carefully read the operating manual before handling the machine.</p> | <p>590479 01</p> <p>Beware of rotating auger. Do not reach or lean into tub. Do not attempt to clear blockage when the tractor engine is running. Serious injury may result from falling into the tub with auger rotating.</p> | <p>614962 01</p> <p>Hydraulic oil is dangerous when under pressure and can be injected into the body. Always ensure the hoses are in good order before operating.</p> | <p>260060 01</p> <p>Risk of crushing torso. Do not stand between Powerspread and tractor when hitching to tractor.</p> | | |
| | | | | | | |
| | | | | | <p>193392 01</p> <p>Do not open or remove safety guard while engine is running. There is a risk of hand entanglement.</p> | |
| | | | | | <p>614959 01</p> <p>Ensure that hydraulics are not exposed to more than 210bar of pressure. There is a risk of explosive damage to hoses and other components.</p> | |
| | | | | | | <p>590475 01</p> <p>The rotational speed of the PTO Drive shaft must not be greater than the speed stated.</p> |
| | | | | | | |

590477 01
 Ensure that there are no persons standing in the vicinity of the machine when the tractor engine is running. Serious injury may result from rotating parts and flying objects.

590476 01
 Do not use safety rail on the impeller as a step. Serious injury may result from slipping or falling into the impeller.



800215 01
 There is a crushing hazard, between the frame of the impeller and the door frame of the tub when hydraulically raising the impeller assembly.



590479 01
 Beware of rotating auger. Do not reach or lean into tub. Do not attempt to clear blockage when the tractor engine is running. Serious injury may result from falling into the tub with auger rotating.

2.3 ACCIDENT PREVENTION BEFORE STARTING THE MACHINE.

Read the manual thoroughly.

If moving the Powerspread by overhead lifting, use the designated lifting points. (See section 4.1). Ensure that the slings / chains are rated accordingly, and that the angle of the slings / chains is set in accordance to lifting regulations.

Ensure bystanders are at a safe distance when the Powerspread is being suspended above the ground while lifting and unloading.

Pay particular attention to the width of the machine while unloading the machine from the delivery trailer. A portion of the tyre may overhang the bed of the trailer, so care must be taken to keep the machine central, whilst moving.

Ensure bystanders are at a safe distance while moving the Powerspread from the delivery trailer using a tractor.

Ensure the hydraulic brakes are attached to the tractor before attempting to move the Powerspread.

Ensure a suitably sized tractor is used to move the Powerspread.

Ensure the tractor is fitted with Mirrors to guarantee the lateral visibility on both sides of the machine.

Ensure the machine is parked on a firm & level site and the handbrake is applied.

Do not carry out any PDI work without appropriate protective clothing and long hair tied back. (Gloves, safety boots, close fitting clothing etc.)

Review the PDI checklist, printed at the start of this manual. Double check the items listed. Pay particular attention to checking wheel nuts & tyre pressures, along with checking the hydraulics and braking systems.

Before adjusting the position of the tow eye ensure the machine is parked on a firm & level site, the 'safe stop' procedure is followed, and the machine is sitting securely on the parking foot. The tow eye weighs 35kg, therefore suitable lifting apparatus is advisable to take the weight while the fixing bolts are removed

If the length of the PTO shaft needs adjusting always follow relevant workshop & power tool health and safety procedures / guidelines.

Follow appropriate manual handling procedures, when lifting PTO shaft.

Check no one is near to or on the machine before attempting to start or transport the machine. Ensure your visibility is kept clear at all times

Check there are no foreign objects inside the machine.

Ensure that no person is working on or inside the machine.

Always perform an internal inspection before loading or starting.

The Powerspread may be used only if all safety devices, e.g. detachable guards, are fitted and in proper working order.

Familiarise yourself with the controls and functions of the machine and practice them in a safe location before attempting to start work.

2.4 ACCIDENT PREVENTION WHEN COUPLING AND UNCOUPLING TO THE TRACTOR.

The work of coupling and uncoupling the Powerspread involves a high risk of injury. Follow the procedure described in section 5.4 for further information.

Ensure the pickup hitch of the tractor has been licensed for the corresponding tongue and towed load, and that it matches the drawbar eye of the Powerspread.

Ensure the max permissible rear axle load of the tractor will not be exceeded by the weight of the Powerspread.

Ensure the machine is parked on a firm level site for attaching and detaching, ensure the handbrake of the Powerspread is applied.

Check that all observers are clear of the Powerspread and tractor. Warn bystanders by sounding the horn of the tractor several times.

Slowly drive the tractor towards the Powerspread – always ensure that there are no other persons in the vicinity or between the machine and the tractor.

Connect the Powerspread to the tractor hitch using only the method recommended in the tractor's operator manual.

Ensure there is sufficient clearance between the PTO shaft and the draw bar when turning on undulating ground.

Ensure the machine is parked on a firm & level site, and the 'safe stop' procedure is followed before raising / lowering the parking foot. This is to ensure that the unit does not unexpectedly move while the operator or person is in close proximity to the machine.

Be aware of the pinch point between the parking foot and the drawbar while raising the parking foot.

Never leave the driver seat whilst the tractor or machine is running.

2.5 ACCIDENT PREVENTION WHEN USING THE HYDRAULIC SYSTEM

Ensure the machine is parked on a firm & level site, and the 'safe stop' procedure is followed before connecting / disconnecting the hydraulic couplings. This is to ensure that the unit does not unexpectedly move while the operator or person is in close proximity to the machine.

Do not connect to tractor's hydraulic system if it can deliver more than 210 bar.

Due to the possibility of oil contamination on your hands / contact with hot or pressurised oil it is recommended to use PPE (Personnel Protective Equipment), when handling hydraulic hoses & connectors.

Do not connect the hydraulic hoses to the tractor's hydraulic system until you have made sure that the system is at zero pressure on both the tractor and the Powerspread.

Do not check the hydraulic system for leaks unless the system is at zero pressure.

Hydraulic systems can generate extremely high pressures. Use proper and thorough means of searching for leakage (do not use your hands), and repair all damage immediately. Spurting hydraulic oil can cause injuries and fires. Seek medical advice immediately in the event of injury.

Hydraulic systems can generate heat within its components, be aware if touching / servicing components directly after use.

In order to exclude the possibility of incorrect connection, all mating plugs and sockets belonging to the hydraulic connections between the tractor and the Powerspread should be marked with matching colours.

Always ensure the hydraulic hoses & fittings are in good order before operating.

2.6 ACCIDENT PREVENTION WHEN FITTING THE POWER SUPPLY

Ensure the machine is parked on a firm & level site, and the 'safe stop' procedure is followed before checking the operation of the rear road lights and before connecting / disconnecting the power supply. This is to ensure that the unit does not unexpectedly move while the operator or person is in close proximity to the machine.

2.7 ACCIDENT PREVENTION WHEN OPERATING THE MACHINE

The Powerspread must not be put into operation until the user has been given proper initial instructions either by the dealer or by one of Shelbourne Reynolds' representatives or employees.

PPE (Personnel Protective Equipment) is recommended while spreading certain materials due to skin irritation and inhalation of fine particles. In this case wear face / dust mask, goggles, gloves and overalls. Keep the tractor, handler or loader windows and doors closed while loading and spreading.

If the windows of the tractor are open while spreading, it is recommended that personnel hearing protectors are used due to the noise levels involved.

The control of noise at work regulations 2005 state 85 decibels and above before hearing protectors are required.

Operators of agricultural machinery are at high risk of being exposed to whole body vibration syndrome (WBV). High exposures over many months or years can lead to permanent damage and back pain.

One person should use the machine only. When the operator identifies someone in the loading / spreading area, the operator shall not operate the starting control.

If another person is involved in loading the Powerspread, ensure the work has been planned and a system of communication has been agreed on.

Ensure the discharge door is closed prior to loading. Material may surge from the door opening which may result in injury.

Ensure that no person is working on or inside the machine.

Always perform an internal inspection before loading or starting.

When performing an internal inspection, climb the inspection ladder with caution, the steps will be slippery and there is a risk of slipping / falling.

Inspect manure before loading to ensure it does not contain any foreign objects.

Only load the machine with a suitable device.

Only use the Powerspread on a tractor that is capable of taking its weight. Use weights or ballast as required ensuring stability of the unit.

Do not overload the Powerspread. Ensure the load is evenly distributed in the hopper to prevent the machine becoming unstable.

Where practical load the heavier manure first to increase the machines stability.

Do not load the machine on a slopping / slippery site.

Check the field for changes in the stability of the ground, and plan your path to avoid excessive undulations.

Ensure that all obstacles are cleared from the intended path of the machine.

Where practical always spread on level ground and avoid traversing slopes to ensure stability of the machine.

If spreading on undulating ground ensure the machine is not overloaded. The load must not be heaped above the upper rim of the hopper.

Always operate the machine at a maximum 540rpm PTO speed.

Be aware that small stones and other similar hard objects can be thrown further than manure. Care should be taken when working near highways, public footpaths, buildings, etc.

Be aware that when the load is almost empty stones and hard object may be ejected from the top of the hopper while the impeller is rotating.

No person may be allowed to ride or climb on the Powerspread when it is operating.

Never leave the driver seat whilst the tractor or machine is running.

Always adjust the driving speed to suit the driving conditions. Avoid fast turning when driving uphill, downhill or across a slope.

In the event of a malfunction, immediately cease operation. Malfunctions must be eliminated immediately. Always use the 'Safe stop' procedure before removing or opening any guards or clearing a blockage in the spreader.

Always replace all guards after making any adjustments or lubricating the machine. Replace or repair any damaged or missing guards immediately.

Keep hands away from moving parts i.e. Impeller, door, drive chains, PTO shafts.

Do not reach into the tub due to a risk of entanglement by the auger.

Be aware that the drive line may overrun for a short time after the PTO has disengaged.

Keep a safe distance from the impeller assembly when it is being lowered or raised, as there is a risk of impact / crushing.

Ensure the machine is parked on a firm & level site, and the 'safe stop' procedure is followed before adjusting the spreading deflector. Approach the machine only when the impeller has stopped rotating.

While adjusting the spreading deflector, be aware of the pinch point when retracting the retaining pin and re-positioning.

Ensure the machine is parked on a firm & level site, and the 'safe stop' procedure is

followed before raising / lowering the Ladder extension. This is to ensure that the unit does not unexpectedly move while the operator or person is in close proximity to the machine

While raising / lowering the ladder extension, be aware of the pinch point when retracting the retaining pin and re-positioning.

Keep children away from the machine at all times.

2.8 ACCIDENT PREVENTION WHEN REMOVING A FOREIGN OBJECT FROM THE MACHINE.

Do not attempt to remove a foreign object from the machine unless you are wearing appropriate protective clothing (PPE). (Gloves & safety boots etc.)

Ensure the impeller has stopped rotating before you approach the machine.

Ensure the impeller lift cylinder is primed with oil before lowering the impeller, as air in the system may cause the impeller to suddenly fall.

Before proceeding to clear a blockage from the door area or removing / replacing the impeller fixing nuts, firstly follow the safe stop procedure and ensure the machine is parked on a firm / level site.

Ensure there is no one in the vicinity of the spreader while the impeller is hydraulically lowered via the hydraulic service.

Chock the discharge door, to prevent the door from inadvertently dropping, while the blockage is being cleared.

Caution must be taken while digging manure from the door area. Disturbing the manure may make the load unstable and cause it to unexpectedly flood from the door area.

The offending object may be heavy, approach lifting the object from the machine with care, if in doubt use lifting apparatus.

Be aware that energy in the form of tension will be stored in the drive chains after a sudden stop. Hence the auger or impeller may suddenly rotate after a blockage is removed.

Ensure there are no bystanders near the machine when the impeller is hydraulically raised to its working position, as there is a danger of finger / hand entrapment.

Once the impeller has been raised and secured by the retaining nuts, rotate the impeller by hand to ensure it spins freely. Always wear PPE while undertaking this task as the impeller blades may be sharp and there is a risk of finger / hand entrapment between the rotating impeller and drip tray.

If the blockage is not accessible from the door area, it may be necessary to remove it from inside the tub. Before entering the tub follow the 'safe stop' procedure and as an extra precaution disconnect the PTO shaft & hydraulic services from the tractor. Enter the tub only via the rear inspection ladder provided. Climb the inspection ladder and enter the tub with caution, the steps will be slippery and there is a risk of slipping / falling.

Assess the stability of the muck before climbing into the tub as there is a danger of the material collapsing around you or sinking. If in doubt do not enter the tub.

Do not enter the tub if it contains slurry or semi-solid material as there is a risk of drowning / suffocation.

There is a risk of musculoskeletal injury (MSI) caused by the overexertion and repetitive motion of manual digging manure to remove a blockage.

Before using the auger reversing facility to remove a blockage, Ensure there are no bystanders in the vicinity of the machine, as there is a risk of material being ejected from the top of the tub.

Do not approach or stand in the vicinity of the machine while running the auger in reverse as there is a risk of impact from flying objects, due to the impeller rotating.

Do not stand in the vicinity of the machine while running the auger in reverse as there is a risk of entanglement from the rotating impeller / PTO shaft

2.9 ACCIDENT PREVENTION WHEN LEAVING THE MACHINE

Never leave the driver seat whilst the tractor or machine is running.

Park the machine on a firm and level site.

Apply the tractors parking brake.

Stop the tractor's engine and remove the ignition key before leaving the cab. If being left unattended lock the tractor cab.

When unhooking the Powerspread, apply the machines parking brake before moving the tractor away.

Do not leave the machine adjacent to a building, hay stack or the like, where persons could climb and fall into the tub.

Store the PTO shaft on the stand provided, and locate the hydraulic hoses in the hose parking station at the front of the machine.

Even when the machine is not running, certain components can be moved or rotated by hand, causing injury to fingers or hands due to trapping. Wherever possible secure components during storage to prevent accidental injuries

2.10 ACCIDENT PREVENTION WHEN USING THE PTO SHAFT

In conjunction with the following safety measures, always refer to the safety manual supplied separately with the PTO shaft.

Ensure the machine is parked on a firm & level site and the 'SAFE STOP' procedure is followed before proceeding to fit / remove or grease the PTO shaft. This is to ensure that the unit does not unexpectedly move / start up while the operator or person is in close proximity to the machine.

Be aware that the drive line may overrun for a short time after the PTO has disengaged.

Keep the PTO shaft horizontal during handling to prevent the halves from sliding apart, which could cause injury or damage the guarding. Use suitable means to move heavy PTO shafts.

Use only the PTO shaft, which is supplied with the Powerspread and is intended for use with the Powerspread.

Ensure that it is fitted with the prescribed protective equipment (protective tube and funnel-shaped PTO shaft guard must be fitted).

Be aware of the risk of pinching your fingers / hand between the guard and the end yoke of the PTO shaft

Make sure that the tubes overlap by the prescribed distance in both straight-ahead and in turning positions and are secured in such a way that they cannot rotate with the shaft. Ensure the PTO guard safety chains are fitted and secure.

Before starting work ensure the PTO end yokes are properly engaged.

Be absolutely sure there is nobody standing in dangerous proximity to the Powerspread when you switch on the PTO shaft. Contact can cause death;

Do not wear loose clothing, jewellery, or hair that could become entangled with the driveline.

The PTO shaft speed of the tractor must correspond with the maximum permissible rotational speed of the Powerspread.

The angle of attachment will depend on the type of PTO shaft and on the type of tractor hitch. Always switch off the PTO shaft if the angle of divergence is excessive or whenever the PTO shaft is not required.

Make sure that the drawbar of the Powerspread does not interfere with the PTO guard.

2.11 ACCIDENT PREVENTION WHEN SERVICING OR WORKING ON THE MACHINE

Ensure the machine is parked on a firm & level site and the 'SAFE STOP' procedure is followed before servicing or working on the machine. This is to ensure that the unit does not unexpectedly move or start up while the operator or person is in close proximity to the machine

The Powerspread must be used, maintained and repaired only by persons who are familiar with its working and have been made fully conversant with the risks involved. Any malfunctions or defects, which might affect the safe operation of the Powerspread, must be immediately eliminated.

Do not carry out any work without appropriate protective clothing and long hair tied back. (Gloves, safety boots, close fitting clothing etc.)

Do not climb on machine to access grease points as parts of the machine will be extremely slippery. Always use suitable climbing apparatus.

While loosening / tightening nuts & bolts avoid overreaching yourself and consider the consequences of the spanner slipping, or the fastener suddenly breaking or coming loose. If the result is likely to involve a fall, or the removal of flesh from your knuckles, then reconsider your approach.

When replacing the auger shearbolt be aware of a pinch point between free running sprocket and auger shearbolt hub, when aligning the shearing faces.

Always tighten wheel nuts and other components to the stated recommended torque. Ensure open drive guards are correctly secured before tensioning the drive chains.

Be aware that the drive line will overrun for a short time after the PTO has disengaged.

When entering the tub to remove a build-up of foreign material such as plastic baling twine from the auger tube, or to replace the auger paddle shearbolt, firstly follow the

'safe stop' procedure. As an extra precaution disconnect the PTO shaft & hydraulic services from the tractor. Enter the tub only via the rear inspection ladder provided. Climb the inspection ladder and enter the tub with caution, the steps will be slippery and there is a risk of slipping / falling.

Ensure there is plenty of ventilation in the workshop. Never operate the engine of the towing vehicle in a closed building. The exhaust fumes may cause apnoea.

When removing a build-up of foreign material from the auger core / impeller assembly always follow relevant workshop & power tool health and safety procedures / guidelines

It may be necessary to rotate the auger to gain access to the auger paddle shearbolt. If the machine cannot be started via the tractor PTO, manually rotating the impeller assembly by hand will in turn rotate the auger. It will require approximately 50 turns of the impeller to turn the auger 1 revolution.

When rotating the impeller take care not to pinch or trap your hands / fingers between the drip tray and the impeller assembly.

When replacing the auger paddle shearbolt, consider the weight of the paddle assembly and, and the potential pinch point as it pivots.

Beware when replacing / turning over the impeller blades as the corners / edges may have worn to a sharp edge.

Chock the impeller to stop it from spinning while replacing / turning the impeller blades, as there is a risk of hand / finger entrapment.

Ensure the impeller blade fixing nuts are tightened to the correct torque.
(See section 7.1)

Never work underneath or next to the machine unless the Powerspread is perfectly stable, the handbrake applied and the ground is firm.

Never work underneath or near the Powerspread if it has been raised using only a jack. Always make sure the jack is used in conjunction with stands or other effective supports, and that the jack & stands used can bear the weight.

Some parts such as brake drums may become extremely hot in use.

Perform an inspection of the tyre before inflation. Check for any defects and wear which may reduce its capacity to withstand its stated inflation pressure.

The tyre should be inflated to its correct pressure, according to the tyre manufacturer's load/inflation specifications. Always stand to the side when inflating a tyre. An inflation cage should be used when inflating large tyres

Replace all guards after servicing.

Respect the environment and do not dump oil & grease. They should be disposed of in accordance with the regulations at a waste collection point, waste disposal centre or recycling centre.

OEM replacement parts and accessories from Shelbourne Reynolds have been specially designed for use with the Shelbourne Reynolds Powerspread. Any replacement parts and accessories not supplied by Shelbourne Reynolds have not been tested and approved by us. The installation and/or the use of non-Shelbourne Reynolds products may under certain circumstances have a negative influence on the given

design features of your Powerspread and may therefore adversely affect its safe and reliable operation and your safety. Shelbourne Reynolds cannot therefore be held liable for damage or injury caused by the use of non-OEM replacement parts or accessories.

2.12 ACCIDENT PREVENTION WHEN CLEANING AND STORING THE MACHINE

If the Powerspread is connected to a tractor while cleaning, ensure the 'safe stop' procedure is followed and the machine is parked on a firm level site. This is to ensure that the unit does not unexpectedly move / start up while the operator or person is in close proximity to the machine

Do not clean the machine without appropriate protective clothing and long hair tied back. (dust mask, goggles, Gloves, safety boots, close fitting clothing etc.)

When unhooking the Powerspread, apply the machine's handbrake before moving the tractor away.

Do not leave the machine adjacent to a building, hay stack or the like, where persons could climb and fall into the tub.

Store the PTO shaft on the stand provided and locate the hydraulic hoses in the hose parking station at the front of the machine

Do not run the machine while cleaning.

If the need arises to rotate the impeller by hand during cleaning, always wear PPE as the impeller blades may be sharp and there is a risk of finger / hand entrapment between the rotating impeller and drip tray.

If cleaning machine using a steam cleaner or pressure washer, follow the recommended precautions given by the washing equipment manufacturer.

When entering the tub, to clean the machine, firstly follow the 'safe stop' procedure. As an extra precaution disconnect the PTO shaft & hydraulic services from the tractor. Enter the tub only via the rear inspection ladder provided. Climb the inspection ladder and enter the tub with caution, the steps will be slippery and there is a risk of slipping / falling.

Do not climb on or over parked / stored machine, due to a risk of falling in or off.

Even when the machine is unattached, certain components can be moved or rotated by hand, causing injury to fingers or hands due to trapping. Wherever possible secure components during storage to prevent accidental injuries

2.13 ACCIDENT PREVENTION WHEN TAKING ON PUBLIC ROADS

UK road traffic regulations must be observed when towing the Powerspread on the public highway.

The Powerspread must be in a road-worthy condition.

Check the tyre pressures regularly. Incorrect tyre pressure will reduce the carrying capacity of the tyre as well as the life of the tyre.

Regularly check & tighten wheel nuts to the recommended torque.

Only use the Powerspread on a tractor that is capable of taking its weight. Use weights or ballast as required ensuring stability of the unit.

Observe the maximum permissible width for road transport and fit all necessary rear lights, warning signs and guards. Disconnect the electrical supply when fitting.

Disconnect the PTO driveshaft and all hydraulic connections (excluding braking service) from the Powerspread during road transport so it cannot be inadvertently operated.

Ensure that all braking systems and lighting systems are in full working order and that the vehicle towing the Powerspread can fully and correctly operate them.

Ensure the rear road lights are free of debris and are clearly visible.

Do not overload the machine. Observe the maximum permissible axle loads, the load bearing capacity of the tyres and the maximum total weights in order to ensure adequate steering and braking. Attached implements also influence the behaviour of the tractor.

When transporting slurry and semi-solid material, allow sufficient room at the front of the spreader to prevent "forward surge" and consequent over-spill if emergency braking should be employed.

No person may be allowed to ride on the Powerspread.

Always adjust the driving speed to suit the driving conditions. Avoid fast turning when driving uphill, downhill or across a slope. Braking performance and turning ability will be affected when implements are connected to the tractor.

Be aware of the width, height and length of the when transporting on the public highway or near obstructions.

2.14 ACCIDENT PREVENTION WHEN CHANGING A WHEEL

Position the machine on a flat hard standing surface that can withstand the loading of jacking. Where possible avoid changing a wheel near live traffic

Wear High visibility clothing and position warning signs / cones if a wheel needs to be changed near live traffic.

Before jacking ensure the wheels are chocked and the machine is hitched to the tractor with its parking brake effectively engaged.

Be aware that small movements in a liquid load may cause the machine to become unstable.

Know the load and only use adequately rated equipment for the load.

Always use heavy duty trolley jacks that can extend high enough to reach the jacking point.

Never rely on the hydraulics of any lifting equipment, always use heavy duty axle stands as props.

Stay clear of the danger zone / crush area if the machine were to collapse off its temporary supports.

Use mechanical aids to lift / position wheels

Ensure the wheels are safely replaced, the wheel nuts are correctly torqued, and the repair site is cleared.

Do not attempt to change a wheel unless you have the proper equipment and experience to do the job. If in doubt use a skilled professional. The cost is minimal compared to the costs associated with the serious consequences if something goes wrong.

2.15 NOISE EMISSIONS

| | | | |
|--|---|------------------------|----------|
| Sound pressure level measured at operator’s seat in tractor cab. | Just tractor running. (full operating speed) | Tractor window closed. | 68 dB(A) |
| | | Tractor window open. | 72 dB(A) |
| | Tractor and Powerspread running. (full operating speed) | Tractor window closed. | 68 dB(A) |
| | | Tractor window open. | 90 dB(A) |

Sound pressure levels measured all around the tractor and Powerspread at a distance away of 1 metre and a height of 1.6 metres, ranged from 84 - 96 dB(A).

(The above test results were obtained using a randomly selected / modern tractor)

If the windows of the tractor are open while operating, it is recommended that personnel hearing protectors are used due to the noise levels involved. The control of noise at work regulations 2005 state 85 decibels and above before hearing protectors are required.

2.16 PROPER USE

Shelbourne Reynolds Powerspreads are based on state-of-the-art technology and are manufactured in accordance with recognised safety requirements. Nevertheless the use of the Powerspread does not preclude the risk of injury to the user or third parties and/or the risk of damage to the Powerspread itself or to other materials or items of equipment.

Always make sure that the Powerspread is in a technically perfect condition and that it is used properly and for its intended purpose and entirely in accordance with the instructions given in this manual. Any malfunctions or defects, which might affect the safe operation or the Powerspread, must be immediately eliminated.

The Powerspread must be used, maintained and repaired only by persons who are familiar with its working and have been made fully conversant with the risks involved.

OEM replacement parts and accessories from Shelbourne Reynolds have been specially designed for use with the Shelbourne Reynolds Powerspread. Any replacement parts and accessories not supplied by Shelbourne Reynolds have not been tested and approved by us. The installation and/or the use of non-Shelbourne Reynolds products may under certain circumstances have a negative influence on the given design features of your Powerspread and may therefore adversely affect it's safe and reliable operation and your safety. Shelbourne Reynolds cannot therefore be held liable for damage or injury caused by the use of non-OEM replacement parts or accessories. The Shelbourne Reynolds Powerspread is intended for use on typical farms and to be employed in spreading many types of manure from thin slurry to heavy farmyard manure. Any uses other than those for which the Powerspread is intended, such as

transportation, will automatically exempt Shelbourne Reynolds or the supplier from its/his liability in respect of ensuing damage. Such cases of improper use will therefore be entirely at the user's own risk.

All relevant accident prevention regulations, as well as other generally acknowledged health and safety regulations and road traffic regulations must be strictly observed.

Improper use also comprises failure to observe the instructions given in this operating manual and the manufacturer's maintenance and servicing requirements.

2.17 NO LIABILITY FOR CONSEQUENTIAL DAMAGE

Even though your Shelbourne Reynolds Powerspread has been manufactured with the utmost care and you are using it properly, fluctuations and interruptions in spread rate may still occur.

It is the duty of the operator/user to ensure that foreign objects, e.g. rocks and tyres etc. are not allowed to enter the machine. Failure to observe this may result in damage to the Powerspread and/or injury to the operator.

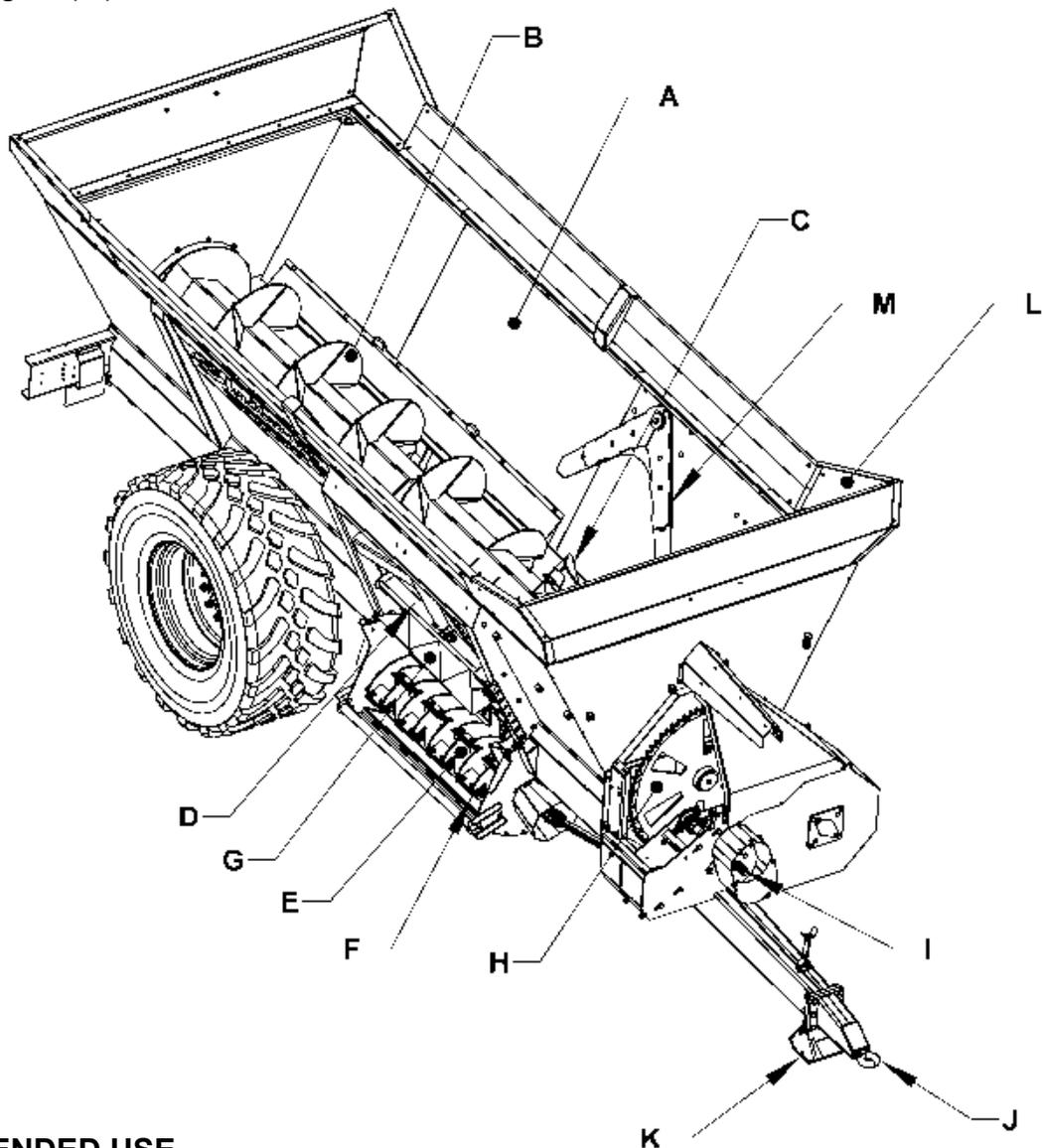
Any claims for damages not directly incurred by the Powerspread cannot be accepted. By the same token, Shelbourne Reynolds cannot be held liable for any consequential damage resulting from incorrect use of the Powerspread.

SECTION 3

SPECIFICATION AND DESCRIPTION

3.1 DESCRIPTION

The machine consists of a tapered tub (A), with a central horizontal auger (B). Fitted to the auger are shearbolt protected auger paddles (C). On the RH side of the machine is a hydraulically operated door (D), and a discharge impeller (E). Hardox blades (F) are bolted to the impeller. Above the impeller there is an adjustable spreading deflector (G). The auger and impeller are driven via a heavy-duty chain drive (H), which is powered by a PTO shaft (I). Bolted at the front of the drawbar is a UK tow eye (J) & pivoting parking foot (K). As an option the machine may be fitted with slurry / extension sides (L), and an anti-bridging kit (M).



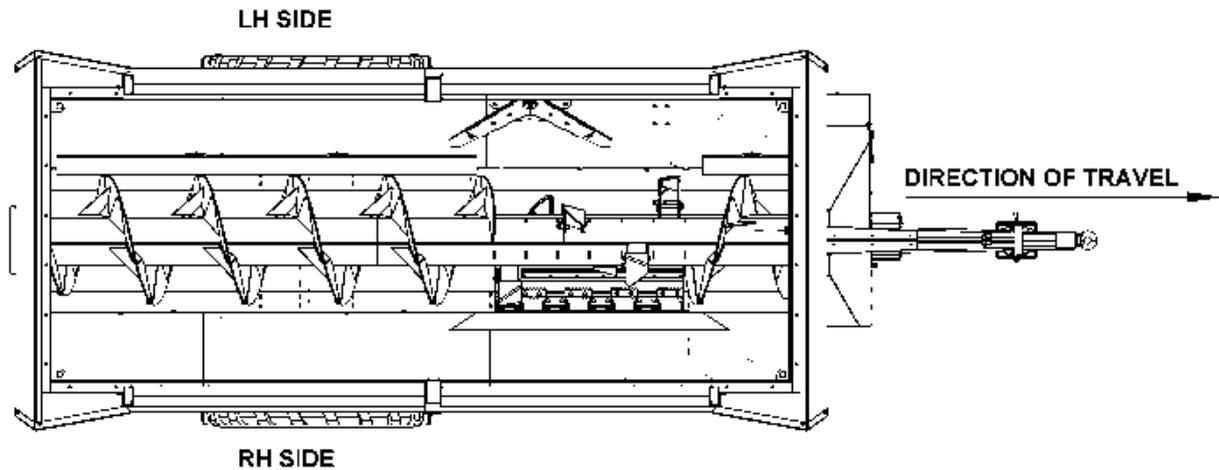
3.2 INTENDED USE

The machine is intended to be used on typical farms or by contract spreading companies. It is employed for loading and spreading varying types of manure. Typical manure types include slurry, compost, chicken muck, fibrous farmyard manure & sewage sludge.

Adjusting the door height, spreading deflector & ground speed can vary the application rate, to ensure optimum results, whether spreading is undertaken on grass or arable land.

3.3 FEATURES & BENEFITS

RIGHT AND LEFT HAND OF THE MACHINE AS TERMED IN THIS MANUAL IS FOR AN OPERATOR SITTING IN THE TRACTOR SEAT LOOKING FORWARD.



THE SHELBOURNE REYNOLDS POWERSPREAD PRO

FEATURES

Shearbolt protected chain drive

Patented centre discharge auger provides boiling movement of manure.

Shearbolt protected auger paddles

Wider vertical centre lift door.

Wider overshot impeller.

Impeller can hydraulically pivot away from the door.

BENEFITS

For maximum protection of the drives.

High rates of discharge and material well broken up in hopper.

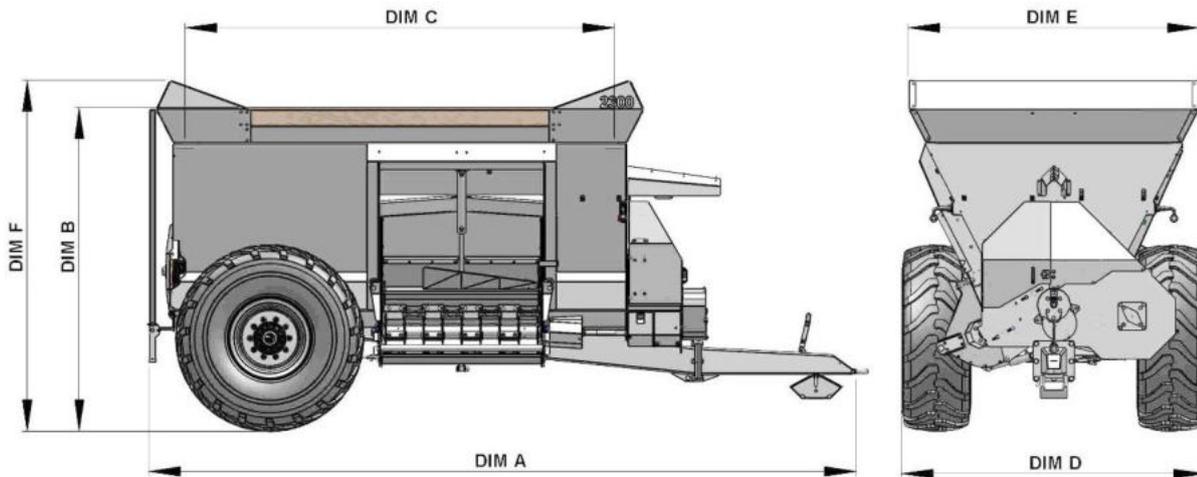
Maximum protection against stones and foreign objects.

Allows an even discharge of manure at any door setting, utilising the total impeller width.

Provides a fine even spread at widths of up to 18 metres.

Allows full access to door opening for easy Removal of stones & obstructions.

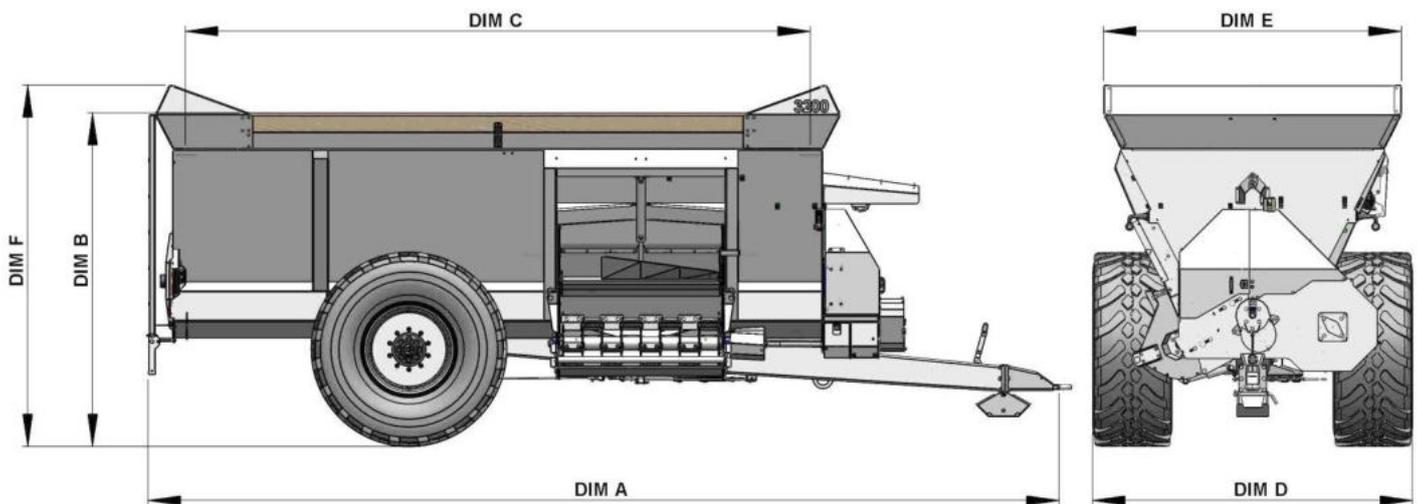
3.4 TECHNICAL SPECIFICATIONS



| Model | 1800 | 2300 |
|-----------------------------|---|---|
| Capacity/ Level | 8000 litres 1800 gallons (UK) 2200 gallons (US) | 10500 litres 2300 gallons (UK) 2800 gallons (US) |
| Volume / Level | 8 m ³ (283 ft ³) | 10.5 m ³ (371 ft ³) |
| Overall Length (A) | 6091mm (20') | 6091mm (20') |
| Width over tyres (D) | 2600mm (8'6") | 2600mm (8'6") |
| Loading height (B) | 2444mm (8') | 2720mm (8'11") |
| Opening length (C) | 3658mm (12') | 3658mm (12') |
| Width at top of tub (E) | 2275mm (7'6") | 2477mm (8'2") |
| Overall height (F) | 2614mm (8'7") | 2958mm (9'8") |
| Tyre size | 620/75R26 | 620/75R26 |
| PTO speed | 540rpm | 540rpm |
| Recommended size of tractor | 120hp UPWARDS | 120hp UPWARDS |
| Unladen weight | 4150kg (9150 lbs) | 4380kg (9658 lbs) |
| Gross weight | 11350kg (25027 lbs) <i>*same as above</i> | 13280kg (29282 lbs) <i>*13830kg (30495 lbs)</i> |
| Unladen Drawbar weight | 1104kg (2434lbs) | 1166kg (2571 lbs) |
| Max Axle weight | 8663kg (19102 lbs) <i>* same as above</i> | 10157kg (22396 lbs) <i>*10586kg (23342 lbs)</i> |
| Max Drawbar weight | 2687kg (5925 lbs) <i>* same as above</i> | 3123kg (6886 lbs) <i>*3244kg (7153 lbs)</i> |
| Spread width | up to 18 m | up to 18 m |
| Door size (width) | 1320mm | 1320mm |
| Door operation | Double acting hydraulic ram | Double acting hydraulic ram |
| Max road speed | 20mph (32km/h) | 20mph (32km/h) |

Note: All weights & other data are approximate.

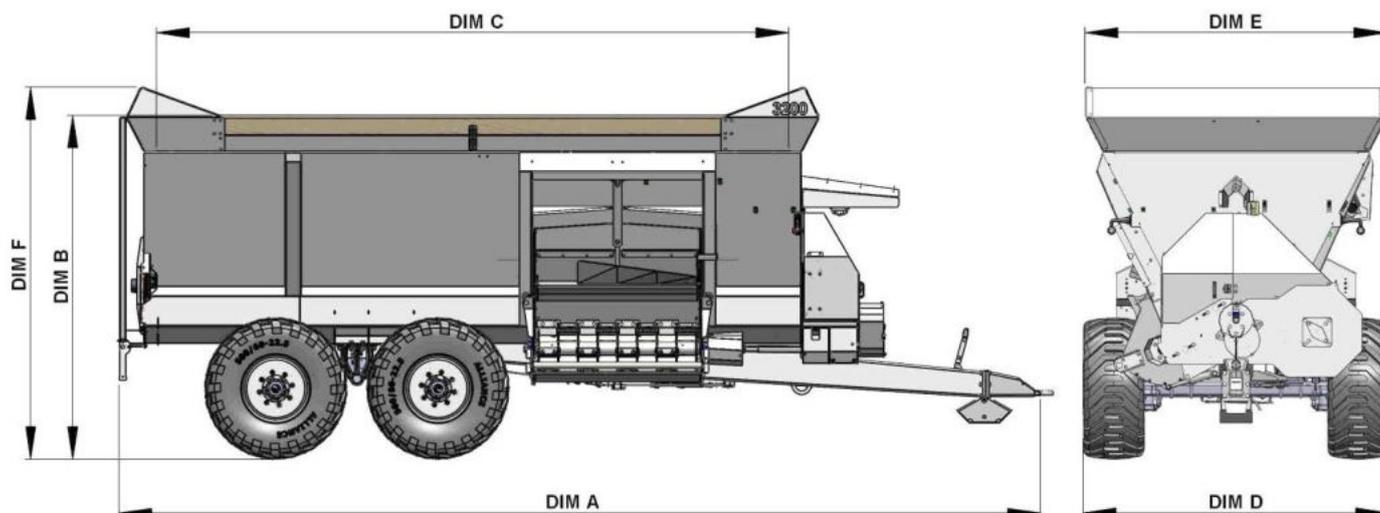
- **Weights in bold text and a 20mph (32km/h)-speed limit must not be exceeded if the machines are to be taken on public roads. These weights are based on UK road regulations stating that the weight at the wheels must not exceed 10170kg on a single axle.**
- *Increased weights are for field use only (max speed 10km/h). They are derived from the maximum weights you can physically put into the machine, (figures based on manure being no heavier than 900kg/m³).



| | | |
|-----------------------------|--|---|
| Model | 2400 | 3200 |
| Capacity/ Level | 11000 litres 2400 gallons (UK) 2900 gallons (US) | 14500 litres 3200 gallons (UK) 3850 gallons (US) |
| Volume / Level | 11 m ³ (388 ft ³) | 14.5 m ³ (512 ft ³) |
| Overall Length (A) | 7650mm (25') | 7650mm (25') |
| Width over tyres (D) | 2650mm (8'8") | 2650mm (8'8") |
| Loading height (B) | 2466mm (8'1") | 2742mm (9') |
| Opening length (C) | 5200mm (17'1") | 5200mm (17'1") |
| Width at top of tub (E) | 2275mm (7'6") | 2477mm (8'2") |
| Overall height (F) | 2636mm (8'8") | 2980mm (9'9") |
| Tyre size | 650/65R30.5 | 650/65R30.5 |
| PTO speed | 540rpm | 540rpm |
| Recommended size of tractor | 120hp UPWARDS | 120hp UPWARDS |
| Unladen weight | 5050kg (11135 lbs) | 5310kg (11709 lbs) |
| Gross weight | 11850kg (26129 lbs) <i>*15050kg (33185lbs)</i> | 12110kg (26703 lbs) <i>*18310kg (40374 lbs)</i> |
| Unladen Drawbar weight | 1014kg (2236lbs) | 1049kg (2313 lbs) |
| Max Axle weight | 9912kg (21856 lbs) <i>*12677kg (27953 lbs)</i> | 10137kg (22352 lbs) <i>*15495kg (34166 lbs)</i> |
| Max Drawbar weight | 1938kg (4773 lbs) <i>*2373kg (5232 lbs)</i> | 1973kg (4350 lbs) <i>*2815kg (6207 lbs)</i> |
| Spread width | up to 18 m | up to 18 m |
| Door size (width) | 1320mm | 1320mm |
| Door operation | Double acting hydraulic ram | Double acting hydraulic ram |
| Max road speed | 20mph (32km/h) | 20mph (32km/h) |

Note: All weights & other data are approximate.

- **Weights in bold text and a 20mph (32km/h)-speed limit must not be exceeded if the machines are to be taken on public roads. These weights are based on UK road regulations stating that the weight at the wheels must not exceed 10170kg on a single axle.**
- *Increased weights are for field use only (max speed 10km/h). They are derived from the maximum weights you can physically put into the machine, (figures based on manure being no heavier than 900kg/m³).



| | | |
|-----------------------------|--|--|
| Model | 2400 | 3200 |
| Capacity/ Level | 11000 litres 2400 gallons (UK) 2900 gallons (US) | 14500 litres 3200 gallons (UK) 3850 gallons (US) |
| Volume / Level | 11 m ³ (388 ft ³) | 14.5 m ³ (512 ft ³) |
| Overall Length (A) | 7650mm (25') | 7650mm (25') |
| Width over tyres (D) | 2500mm (8'2") | 2500mm (8'2") |
| Loading height (B) | 2547mm (8'4") | 2823mm (9'3") |
| Opening length (C) | 5200mm (17'1") | 5200mm (17'1") |
| Width at top of tub (E) | 2275mm (7'6") | 2477mm (8'2") |
| Overall height (F) | 2717mm (8'11") | 3060mm (10') |
| Tyre size | 560/60R22.5 | 560/60R22.5 |
| PTO speed | 540rpm | 540rpm |
| Recommended size of tractor | 120hp UPWARDS | 120hp UPWARDS |
| Unladen weight | 5770kg (12723 lbs) | 6030kg (13296 lbs) |
| Gross weight | 18290kg (40329 lbs) | 18290kg (40329 lbs) |
| Unladen Drawbar weight | 1139kg (2511lbs) | 1190kg (2624 lbs) |
| Max Axle weight | 15046kg (33176 lbs) | 15039kg (33161 lbs) |
| Max Drawbar weight | 3244kg (7153 lbs) | 3251kg (7169 lbs) |
| Spread width | up to 18 m | up to 18 m |
| Door size (width) | 1320mm | 1320mm |
| Door operation | Double acting hydraulic ram | Double acting hydraulic ram |
| Max road speed | 20mph (32km/h) | 20mph (32km/h) |

- The tandem axle model can be towed loaded on the public highway up to a gross weight of 18290kg, but a 20mph (32km/h)-speed limit must not be exceeded as the machine is not equipped with ABS. These weights are based on UK road regulations stating that the gross weight of an unbalanced tandem axle trailer must be limited to 18290kg. (Inclusive of the weight imposed on the towing vehicle)**

SECTION 4

HANDLING & TRANSPORTATION



Refer to section 2 for safety procedures.

4.1 HANDLING

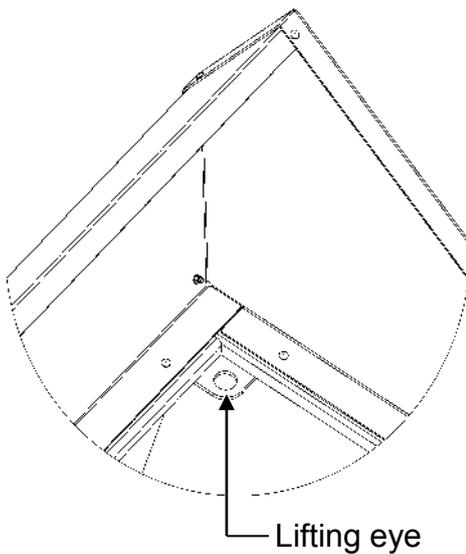


Refer to section 2.3 – Accident prevention before starting the machine for safety procedures.

The Powerspread should only be moved by one of the following methods:

1. By the use a crane type-lifting device (Tele-handler, jib / gantry crane)
2. Attaching to a tractor / towing vehicle

If using method 1, firstly attach an appropriate overhead lifting device, with sufficiently rated slings / chains. Next connect the slings / chains to the machines lifting eyes which are positioned in each corner at the top of tub. When all bystanders are clear of the danger / crush zone, slowly lift the Powerspread from the ground / Delivery trailer. Ensure the machine lifts level, it may be necessary to lower the machine to the ground and adjust the sling / chain lengths to accomplish this. Once the machine is raised and hanging level, carefully and gently move it to lessen swinging, and lower it to the ground as soon as possible.



The centre of gravity of the machine is approximately 1.8m from the inside of the front panel of the tub for 1800-2300 models & 2.3m from the inside of the front panel of the tub for 2400-3200 gallon models.

(Please note, these dimensions are only approximate and fine adjustments may be required to ensure, the machine lifts level)

If method 2 (attaching to a tractor / towing vehicle) is chosen to move the Powerspread, ensure the below procedure is followed:



Refer to section 2.4 – Accident prevention when coupling & uncoupling to a tractor for safety procedures

1. Secure the Powerspread against rolling by applying the handbrake / positioning wheel chocks.
2. Reverse the tractor slowly towards the Tow eye of the Powerspread, ensure there are no bystanders positioned in the danger / crush zone
3. Lower the pick-up hitch, and manoeuvre the tractor, so the pickup hitch is directly underneath the tow eye of the Powerspread.
4. Raise the pick-up hitch, ensuring the tow eye of the Powerspread is engaged, and locked in position.
5. Switch off the tractor, apply the tractors handbrake and pull out the ignition key.
6. Connect the braking coupling.
7. Disengage the handbrake of the Powerspread.
8. Slowly manoeuvre the Powerspread. If removing from / loading a delivery vehicle pay particular attention to the width of the machine as a portion of the tyre may overhang the bed of the lorry, so care must be taken to keep the machine central.

4.2 TRANSPORTATION



Refer to section 2.13 – Accident prevention when taking on public roads for safety procedures.



Refer to section 2.3 – Accident prevention before starting the machine for safety procedures

Transporting on delivery vehicle:

Ensure the Powerspread is securely fastened to the deck of the lorry. Use adequately rated ratchet straps which are in good order and use the transport eyes located on the axle and the underside of the drawbar for securing. Finally block the wheels and activate the handbrake.

Transporting on public highway:

UK road traffic regulations state that the maximum weight bearing down on a single axle must be limited to 10170kg. On the tandem axle model, road traffic regulations state that the maximum gross weight of the towed vehicle must not exceed 18290kg. (Inclusive of the weight imposed on the towing vehicle), and the maximum permitted axle weight must not exceed 18000kg. – The weights stamped on the machines identification plate will ensure this figure is not exceeded, and must be adhered to if the machine is to be taken on public roads.

The Powerspread must not be towed on the public highway at a speed greater than 20 mph. UK road traffic regulations state that a speed of 20mph must not be exceeded if the towed vehicle weighs more than 3500kg and does not have all axle suspension, and ABS brakes fitted, or if it's overall width is between 2.55 & 3m. (The Powerspread falls into both categories)

UK road traffic regulations also state that brakes controlled by the tractor / drawing vehicle should be fitted to a towed vehicle weighing more than 3500kg.

Standard lighting and hydraulic brake coupling connections are provided with the Powerspread, and must be connected when towing the machine on the public highway.

SECTION 5 PREPARATIONS FOR USE



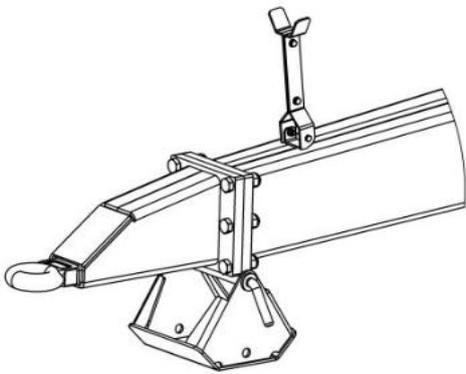
Refer to section 2 for safety procedures.

5.1 **ADJUSTING THE DRAWBAR HEIGHT**

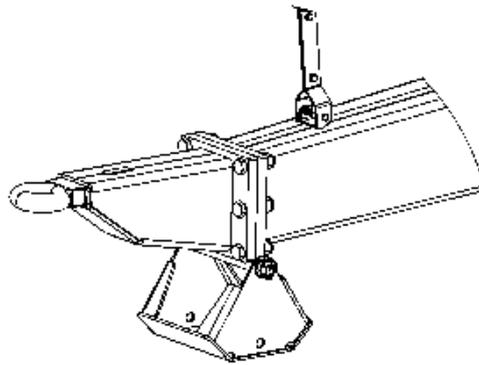


Refer to section 2.3 – Accident prevention before starting the machine for safety procedures.

Due to differences in height of tractor pick up hitches, it may be necessary to rotate the front tow eye section through 180 degrees (1800-2300 models only). This is to ensure the Powerspread is sitting level when attached to the tractor. Measure the height of the tractor pick up hitch from the ground and select the closer of the two alternative positions as shown below:



Standard position
Tow eye height from ground = 450mm



High position
Tow eye height from ground = 600mm

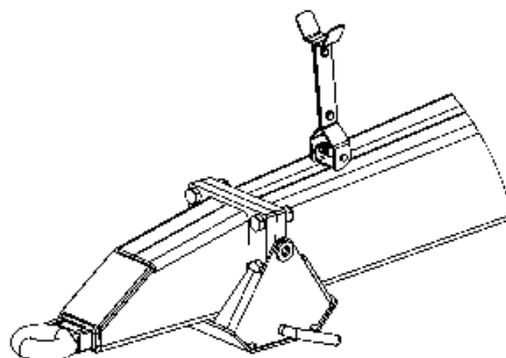
After adjustment replace the 6 off M20 x 80mm bolts ensuring they are tightened to 435Nm (321lb-ft).

5.2 **RAISING THE DETACHABLE PARKING FOOT**



Refer to section 2.4 – Accident prevention when coupling and uncoupling to the tractor for safety procedures.

Once the Powerspread has been attached to the tractor, the detachable parking foot must be moved to the raised position. Simply remove the securing pin, raise the foot and insert the pin through the lower hole in the foot. Re-fit the lynch pin to secure. (See detail left)



Note: This is advisable to gain extra ground clearance.

5.3 ADJUSTING THE PTO DRIVE SHAFT LENGTH



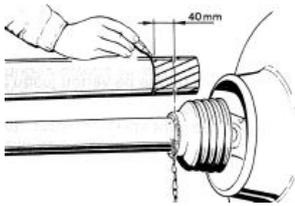
Refer to section 2.3 – Accident prevention before starting the machine for safety procedures.



Refer to section 2.10 – Accident prevention when using the PTO shaft for safety procedures.

The correct length of the PTO drive shaft may vary depending on the tractor in use. It may be necessary to shorten the PTO drive shaft.

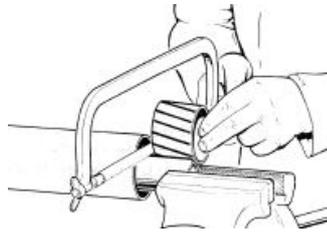
The length adjustment is to be carried out as follows:



To adjust the lengths hold the half shafts next to each other in the shortest working position and mark them 40mm as shown.



Shorten the inner and outer guard tubes equally.



Shorten the inner and outer Sliding profiles by the same length as the guard tubes.



Remove all sharp edges and burrs, grease the sliding . Profile tubes



Grease the profile tubes before they are assembled, as they will otherwise be exposed to high friction forces.



Ensure the inner and outer PTO shafts are overlapped by at least 250mm when the tractor and machine are straight. Check that the PTO shaft will not run out of slide travel before the tractor reaches its full articulation as this will damage to the shaft and Injury may result.



Ensure the lift links do not foul on the machine or PTO shaft when turning.



Make sure the tractors 540-rpm PTO speed is selected at all times.

5.4 COUPLING & UNCOUPLING



Refer to section 2.4 – Accident prevention when coupling & uncoupling to the tractor for safety procedures.

The Powerspread is supplied with a 50mm diameter heavy-duty UK type tow eye, as the drawbar loading is too high for use on a tractor drawbar. The machine should only be used on the automatic pick up hitch of the tractor

A parking jack is not supplied with the spreader; instead a pivoting parking foot is positioned to the underside of the drawbar. This enables the automatic pick up hitch hook to easily move under the tow eye when attaching the spreader.

COUPLING OF TRACTOR

6. Secure the Powerspread against rolling by applying the parking brake.
7. Reverse the tractor slowly towards the Tow eye of the Powerspread.
8. Lower the pick-up hitch, and manoeuvre the tractor, so the pickup hitch is directly underneath the tow eye of the Powerspread.
9. Raise the pick-up hitch, ensuring the tow eye of the Powerspread is engaged, and locked in position.
10. Ensure all tractors hydraulic spool valves are in their neutral position. Switch off the tractor and pull out the ignition key.
6. Connect the PTO shaft, ensuring that the overrun clutch, is mounted on the Powerspread side.
7. Connect and secure the PTO guard safety chains.
8. Connect the Lighting socket.
9. Connect the braking coupling.
10. Connect the door / anti-bridge / drop down impeller hydraulic services
11. Move the detachable foot to the raised position (see section 5.2).
12. Disengage handbrake.

UNCOUPLING OF TRACTOR

1. Ensure all tractors hydraulic spool valves are in their neutral position, switch off the tractor and pull out the ignition key.
2. Ensure the handbrake is engaged.
3. Ensure the detachable foot is secured in its lower position.
3. Disconnect the door / anti-bridge / drop down impeller hydraulic services.
4. Disconnect the braking coupling.
11. Disconnect the Lighting socket.
12. Locate the hydraulic hoses & lighting cable in the hose parking station at the front of the machine.
8. Disconnect the PTO guard safety chains, remove the PTO from the Powerspread and park the PTO shaft on the parking stand.
9. Start the tractor, and lower the pick-up hitch until the detachable foot sits firmly on the ground.
10. Manoeuvre the tractor away from the Powerspread.
11. Switch off the tractor and pull out the ignition key.

5.5 CONNECTING THE HYDRAULIC SUPPLY



Refer to section 2.5 – Accident prevention when using the hydraulic system for safety procedures.

With a clean cloth wipe any dirt from the couplings before connecting to the tractor's hydraulic system.

Proceed to connect the hydraulic brake coupling and the auxiliary hydraulic couplings to the tractor via the 1/2 BSP male Quick release couplings provided.

The Powerspread requires a double acting supply to raise and lower the discharge door & a single / double acting supply to operate the drop down impeller function.

If the machine is equipped with an optional anti-bridge kit, a further double acting supply is required.

If the quick release couplings are not compatible with the tractor, change to suitable connectors for the required application. If the tractor is fitted with a flow control valve, adjust to minimum flow rate.

Having pushed the hose ends into the tractor spool valves, ensure that the hoses do not hang down and obstruct the tractor lift arms or any moving parts.



Ensure the hydraulic hoses are long enough, to suit the tractor, and are not taut.

5.6 CONNECTING THE POWER SUPPLY



Refer to section 2.6 – Accident prevention when fitting the power supply for safety procedures.

The electrical connection for the lighting system is a standard 7-pin plug for a 12 V service.

Ensure the 7-pin plug is clean, and proceed to fit it to the mating socket located on the tractor.

5.7 USING THE HANDBRAKE



Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

Two handbrake types have been supplied with the Powerspread. A multi-stroke ratchet type and a rotary spindle type.

Multi stroke ratchet type (See right)

To apply the handbrake, give the handle short clockwise thrusts until resistance and subsequent tightening of the cable occurs.

To release the handbrake rotate the handle sharply in an anti-clockwise direction to disengage the ratchet mechanism.



Rotary spindle type (See below – crank handle shown in resting position)

To apply the handbrake swivel the crank handle from its resting position by 180° and then rotate the handle clockwise to tighten the cable which in turn will activate the brake. (The tightening force required to apply the handbrake is approximately 165N)

To release the handbrake turn the crank handle anti-clockwise until the cable goes slack, swivel the handle 180° and place back in its resting position.



5.8 RAISING & LOWERING THE LADDER EXTENSION



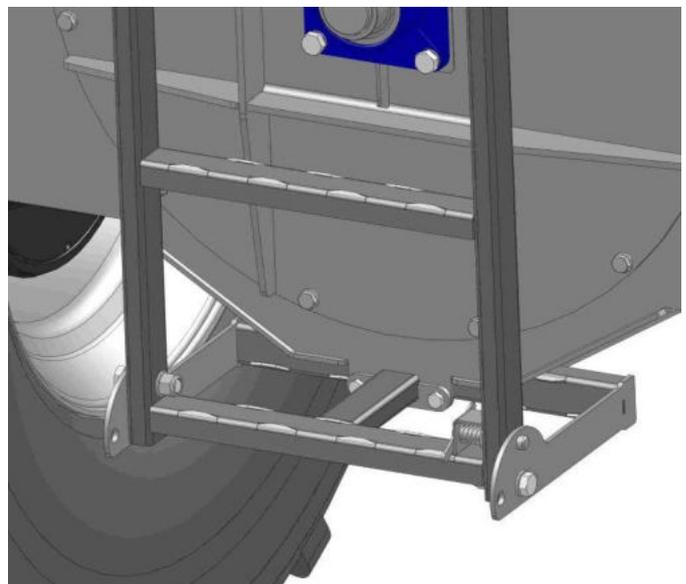
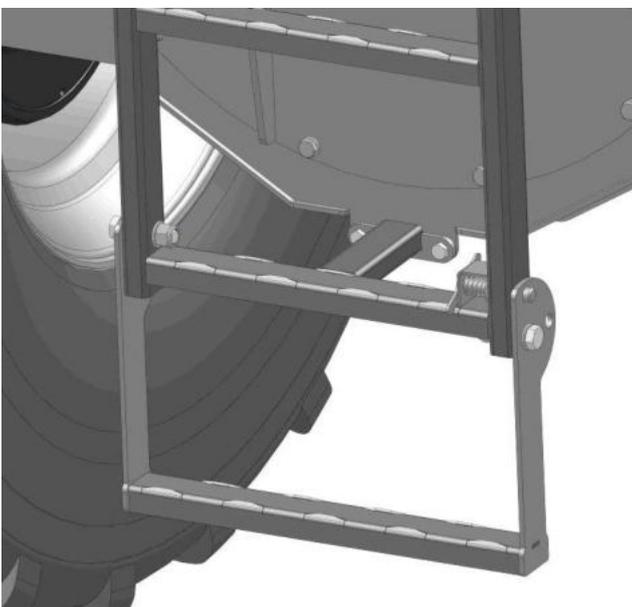
Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

The Powerspread is supplied with a rear ladder. This should be used to gain access to the inside of the tub to change the auger paddle shearbolts, and to view the load to be spread.



Do not climb the ladder or enter the tub before following the 'safe stop' procedure.

The lower portion of the ladder can be raised to gain extra ground clearance during spreading by simply retracting the sprung loaded pin and rotating the ladder extension in an anti-clockwise direction. (See Below)



5. CHECK BEFORE USE



Refer to section 2 for safety procedures.

Your dealer should have undertaken all assembly work and pre delivery checks. As a precaution before you use your new Powerspread, please do the following:

1. Read the operators manual carefully.
2. Check that the Powerspread is mounted correctly and that it is undamaged.
3. Check the movements of the PTO drive shaft, and that the safety chains on the safety guards have been secured correctly.
4. Check that the hydraulic hoses are correctly mounted & long enough.
5. Check that the electrical connection is correct.
6. Check that the tow eye is positioned at the correct height in relation to the tractor.
7. Re-tighten the wheel nuts.
8. Check tyre pressures.
9. Check there are no foreign objects inside the tub.
10. Ensure 540 rpm PTO speed is selected.
11. Ensure there are no observers in or around of the machine before starting the machine.

The Powerspread has been tested and declared error-free at the factory. However, you should do as follows before using the machine:

Start the machine at low rpm. Listen for any unusual knocking sounds, if there are no unusual sounds increase the of PTO rpm. If there is any doubt stop the tractor & Powerspread immediately, check the machine visually to find possible fault, and then seek authorised advice.

SECTION 6

FIELD OPERATION AND SPREADING



Refer to section 2 – Accident prevention for safety procedures.

The machine is designed to run at 540rpm PTO speed. Spreading should be done in straight-line bouts. Avoid spreading while turning corners, as this will cause vibration in the PTO drive.

6.1 GENERAL WEIGHTS OF DIFFERENT MATERIALS

| MATERIAL | APPROXIMATE WEIGHT (kg/m ³) |
|-----------------------|---|
| Cattle manure, fresh | 600-800 |
| Cattle manure, rotten | 800-1000 |
| Dry Poultry muck | 400-600 |
| Pig Manure | 700-900 |
| Sludge | 900-1100 |
| Slurry | 800-1000 |
| Compost | 400-600 |



Use the above chart as a guide. Ensure you do not overload the Powerspread.

6.2 LOADING THE MACHINE



Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

Always close the door before loading the Powerspread.

While loading dry straw or clamp manure precautions should be taken if large slabs or lumps, particularly from the front of feeding troughs, are encountered.

Always endeavour to slide these down the side into the hopper and do not position them directly onto the top of the auger as this may cause bridging and will prevent an even spread pattern. The use of grab-buckets should be avoided; always use manure forks.

To prevent over-spill at the front of the machine while spreading it is advisable to heap more material at the rear of the machine than the front. Material will be transported to front of the machine, quicker than the back due to the door position & auger design.

Please note this is the opposite of how a rear beater manure spreader is loaded, where more material is generally heaped at the front.



Do not overload the Powerspread as this will result in material spilling from the front / sides of the machine during spreading.

6.3 DISCHARGE RATE

The machine is designed with a single auger speed of 13rpm. This optimum auger speed coupled with the 1.32m wide means a high discharge rate can be achieved.

For a finely shredded spread with a low discharge rate the door opening will be small. However the auger will still transport the manure to the discharge door at the same speed resulting in a "bottle-neck" of material which causes a "boiling up" effect. This helps break down the manure further before it is finally ejected onto the impeller blades and discharged.

The discharge or spread rate of the Powerspread depends very much on the type of material being spread. For a given material it will be found that there is an ideal door position for maximum throw of the material and maximum shredding of the manure. It is essential that the standard PTO speed of 540 rpm is maintained at all times and the discharge rate varied according to the door opening and the forward speed of the tractor. A further variant is the amount of overlap between each run which, in most cases, will average 6m (20ft).

6.4 DOOR OPENING SETTINGS

These are approximate guide settings, and may vary for certain conditions i.e. grassland or arable land (see chart below).

| DOOR HEIGHT | MANURE TYPE |
|-------------|-------------------------------|
| 7-8 | Only used to clear blockage |
| 6 | Used for high discharge rates |
| 4-5 | Fresh muck |
| 4-5 | Rotten muck |
| 3-4 | Dry chicken muck / Compost |
| 2-3 | Sludge |
| 1-2 | Slurry |
| 1 | Door closed |

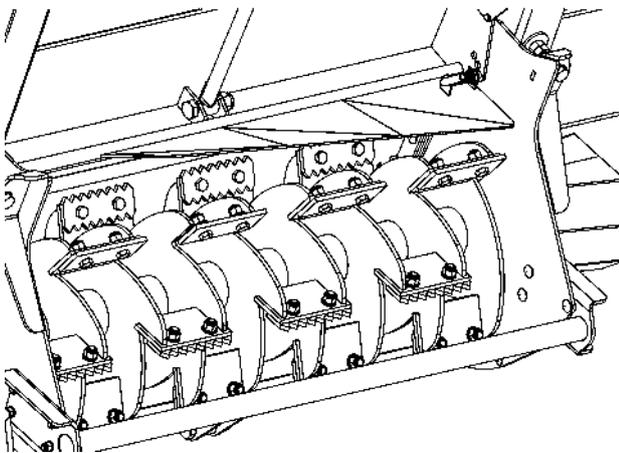
6.5 SETTING THE SPREADING DEFLECTOR



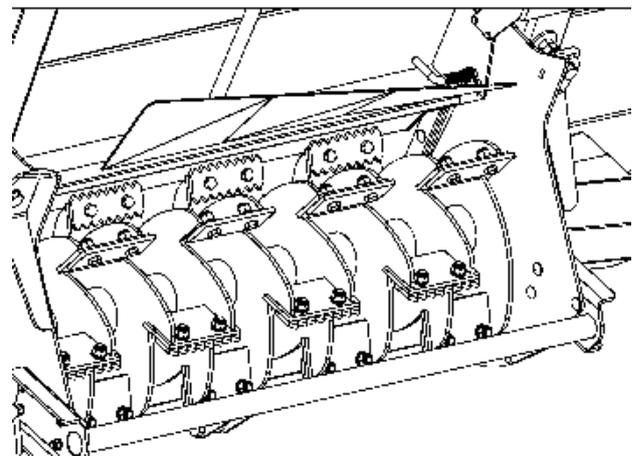
Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

The adjustable spreading deflector has been designed to give you the optimum spread pattern when spreading slurry.

By operating the spring lever & rotating the assembly, the spreading deflector can be set in any one of three positions. The lower two positions are for spreading slurry and the top position is for spreading general manure.



SPREADING DEFLECTOR SET FOR SLURRY



SPREADING DEFLECTOR SET FOR GENERAL MANURE.

6.6 PROCEDURE FOR SPREADING



Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

As a general rule, for all material except slurry, open the door to position 3 before engaging the PTO. For slurry, start with the door closed, and ensure the machine is running at full 540rpm PTO speed before the door is opened.

Ensure the PTO is engaged gently at low engine rpm's and gradually and positively bring up to 540rpm PTO speed. At the same time move forward at the required speed and then immediately adjust the hydraulic door to the required position on the indicator. This position will depend on the type and consistency of the material being spread, the position of the spreading deflector, and the operator's judgement of spread rate and pattern.

Some materials will cause partial blockage of the discharge door, (when the auger flights are not fully covered the discharge rate will reduce), therefore it may be necessary to increase the door opening for the last part of the load.

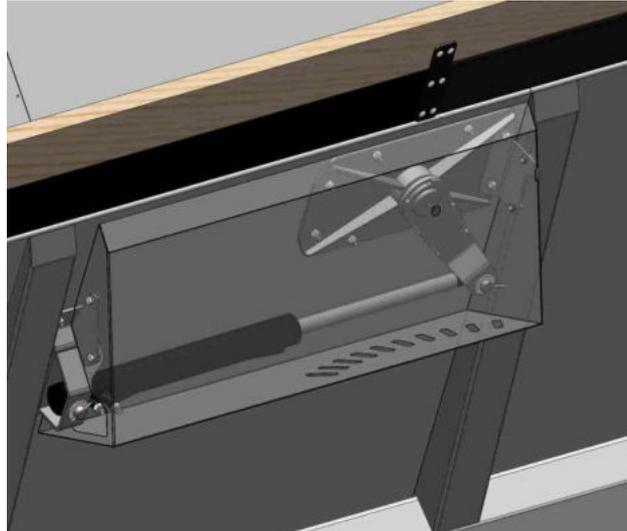
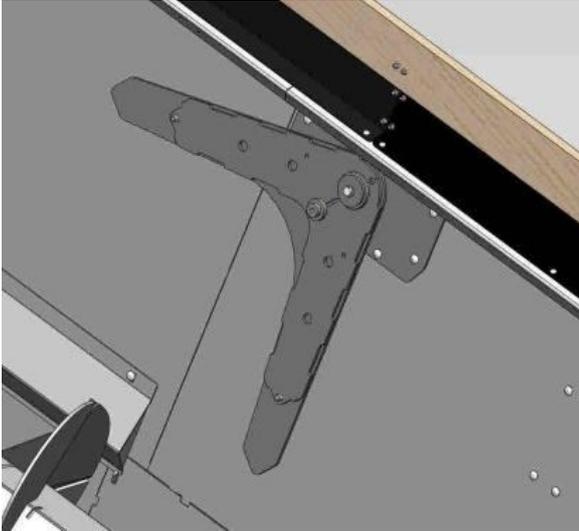
6.7 OPERATING THE ANTI-BRIDGING ARM



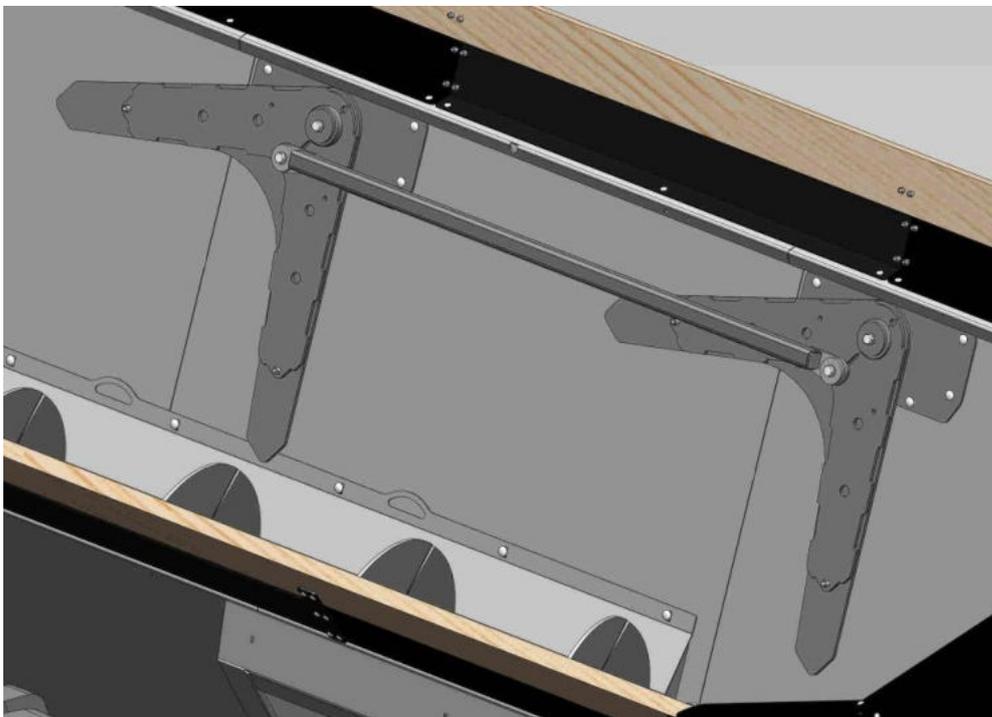
Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

An anti-bridging kit can be fitted to this machine as an option. Some manure types which contain a high straw content, are prone to bridging, when this occurrence happens it greatly reduces the machines ability to produce a consistent discharge rate.

This device is designed to dislodge material from the side wall of the tub by reciprocating backwards and forwards, which in turn prevents the bridging effect from occurring.



Above - Anti-bridging kit (Part No: KIT-03744)



Above – An optional rear pivot is available to reduce extreme bridging conditions.

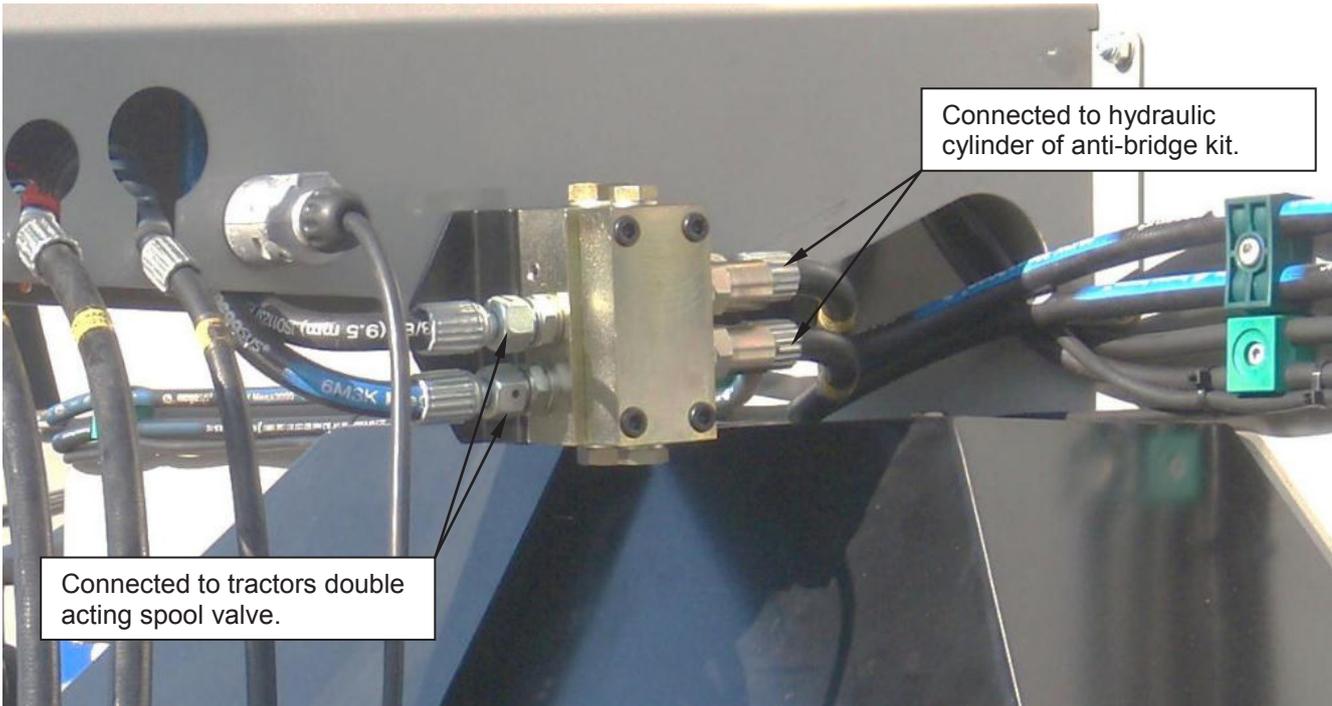
Part No: KIT-03762A – 1800-2300 models
 KIT-03762 – 2400-3200 models

Anti-bridge kit hydraulic options:

The anti-bridging arm can be operated manually by engaging the tractors double acting spool valve or it can be operated via a reciprocating valve, which enables the anti-bridging arm to continually move backwards and forwards during spreading

Automatic hydraulic option containing the reciprocating valve

Part No: KIT-03748A - 1800-2300 models
 KIT-03748 - 2400-3200 models



The manual hydraulic option simply connects 2 hydraulic couplings to the hydraulic cylinder of the anti-bridge kit, and is operated by a double acting spool valve on the tractor.

Part No: KIT-03758A - 1800-2300 models
 KIT-03758 - 2400-3200 models

6.8 REMOVING FOREIGN OBJECTS FROM THE MACHINE



Refer to section 2.8 – Accident prevention when removing a blockage from the machine for safety procedures.

If during spreading a knocking sound is heard or sparks are seen coming from the impeller, then there will be a foreign object such as a stone in the machine. If this happens open the discharge door wide to allow the object to be thrown out. If the object is not cleared immediately, follow the 'safe stop procedure and investigate.

The safest method of removing an obstruction is via the discharge door. Open the door fully and then follow the 'safe stop' procedure. Carefully inspect the area surrounding the impeller to see if the obstruction is visible. Remove the offending object if there is sufficient clearance between the impeller and door.

If there is not sufficient clearance or the foreign object is still not visible, the next step is to hydraulically lower the impeller to gain further access (see section 6.10). As a precaution, chock the discharge door to prevent it from inadvertently dropping, and proceed to dig material from the door opening until the foreign object is visible and can be removed safely. Caution must be taken while digging manure from the door area as disturbing the manure may make the load unstable and cause it to unexpectedly flood from the opening.

If the foreign object is still not accessible, the next step is to reverse the auger for approximately 10 seconds with the door open (see section 6.9). After reversing follow the 'safe stop' procedure and once again examine the area surrounding the impeller to see if the obstruction is now evident. Also look inside the tub via the inspection ladder to see if the reversing action has lifted the foreign object to the top of the load.

If the above procedures do not work, it may be necessary to remove the foreign object from inside the tub. Before entering the tub, follow the 'safe stop' procedure and wait for all moving parts to stop. As a precaution, disconnect the PTO shaft & hydraulic services from the tractor to ensure the machine is not inadvertently operated. Enter the tub only via the rear inspection ladder provided. Assess the stability of the muck before climbing into the tub as there is a danger of the material collapsing around you or sinking. If you are not 100% confident in the stability of the load do not enter the tub.

Do not under any circumstances enter the tub if it contains slurry or semi-solid material as there is a risk of drowning / suffocation.

6.9 SHEARBOLT PROTECTION



Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.



Refer to section 2.10 – Accident prevention when using the PTO shaft for safety procedures.

To prevent damage to the Powerspread by foreign objects, a shear bolt protection is provided on the impeller drive and on the auger drive. Additional shearbolts are also fitted to the discharge paddles

IMPELLER SHEARBOLT

The shearbolt to protect the Impeller drive is positioned at the drive end of the impeller PTO shaft.

If the impeller encounters an obstruction and shears a bolt, follow the procedure as described below::

1. Stop the tractor PTO immediately and close the discharge door
2. Follow the 'safe stop, procedure.
3. Visible check the impeller area, try rotating the impeller by hand, if the impeller rotates freely then replace the shearbolt.
4. If the Impeller does not rotate by hand, try to locate the obstruction. It may be necessary to raise the discharge door, or hydraulically lower the impeller to gain access. (See section 6.10)
5. Remove the obstruction.
6. Replace the shearbolt and re-fit the guard and safety chain before continuing to spread.

The impeller shearbolt is made from special material. Normal commercially available bolts are not suitable.

The shearbolt must be genuine Shelbourne Reynolds service parts. If not, the company will not consider any claim made under the warranty and no liability shall be attached to the company.

| | |
|---------------------------------|-----------|
| Impeller Shearbolt part number. | BLTA10380 |
| Nut part number | NUT-0265 |

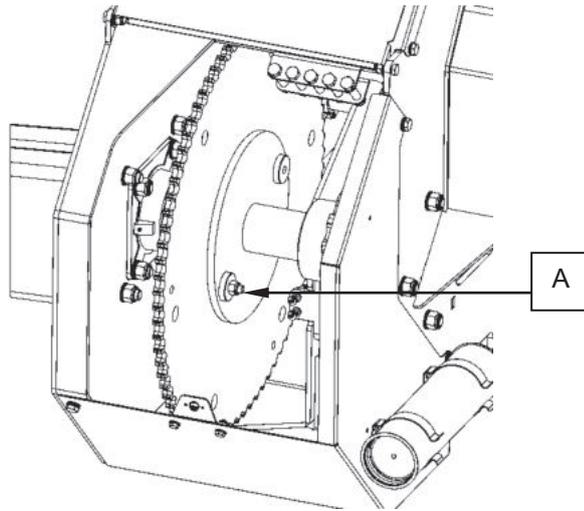
AUGER SHEAR BOLT



Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

If the main auger encounters an obstruction, then the shearbolt system will disengage the drive to the auger. The drive will still rotate the impeller but the auger rotation will stop.

The auger shearbolt (A) is located under the LH drive guard (see sketch below):



Follow this procedure when changing the auger shearbolt:

1. Stop the tractor PTO immediately and close the discharge door
2. Follow the 'safe stop, procedure.
3. Open the LH guards by undoing the M12 locking fastener.
4. Remove all pieces of the broken shear bolt from the shearbolt bush in the drive sprocket & shearbolt hub.
5. Align one of the holes in the shearbolt hub to the hole in the drive sprocket by rotating the drive sprocket by hand.
6. Replace the shearbolt.
7. Close the guard and lock by tightening the M12 fastener.

It is likely the cause of the shearbolt breakage will still be present inside the tub. Hence, it is advisable to use the reverse facility to try and dislodge the foreign object before restarting the machine to reduce the chances of another shearbolt breakage. (See section 6.9)

The Auger shearbolt is made from special material. Normal commercially available bolts are not suitable.

The shearbolt must be genuine Shelbourne Reynolds service parts. If not, the company will not consider any claim made under the warranty and no liability shall be attached to the company.

Auger shearbolt part number.
Nut part number

BLTA12440
NUT-0269

6.10 AUGER REVERSING FACILITY



Refer to section 2.10 – Accident prevention when using the PTO shaft for safety procedures



Refer to section 2.8 – Accident prevention when removing a blockage from the machine for safety procedures.

If an obstruction is encountered which is large enough to continuously shear the auger shearbolt, you can reverse the drive simply by moving the PTO shaft from the main drive shaft (B) to the reverser shaft (C). Reversing the auger will create a cushioned start-up for the tractor, as the auger is allowed to build up momentum before it encounters the obstacle which initially broke the shear bolt.

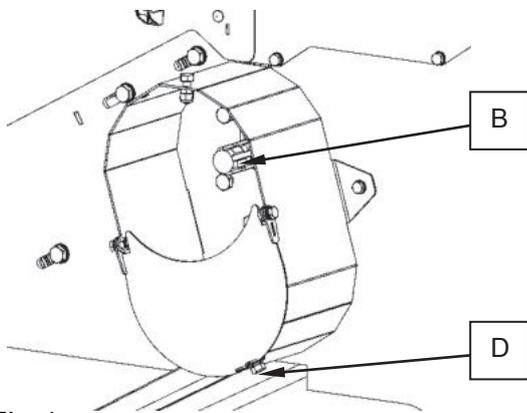


Fig 1

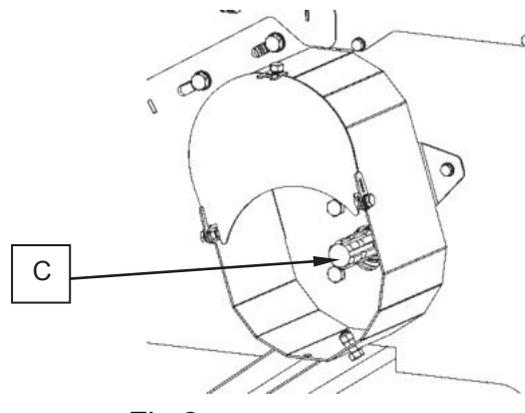


Fig 2

To gain access to the reverser shaft, simply slacken the locking screw (D), and rotate the front guard through 180 degrees, as shown in fig 2.



Reverse the auger for a maximum of only 10 seconds. Then return the PTO shaft to drive shaft (B). Ensure the front drive guard is locked via screw (D) and the safety chains are fitted and secure before engaging the PTO.

6.11 LOWERING THE IMPELLER

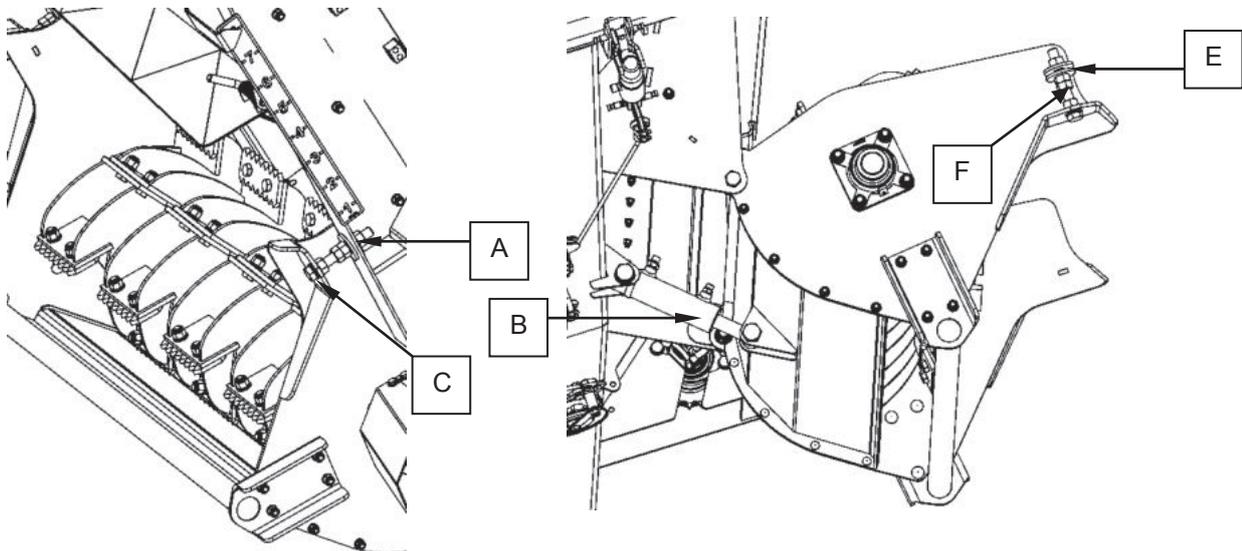


Refer to section 2.8 – Accident prevention when clearing a blockage from the machine for safety procedures.

The impeller can be hydraulically lowered to gain more access when removing a foreign object from the door opening.

To lower the impeller follow the below procedure:

1. Follow the 'safe stop, procedure.
2. Slacken the 2 nuts (A) on both sides of the impeller until the nut is level with the end of the setscrew (C).
3. Connect the hydraulic hose to a spool on the tractor to operate the lift ram (B).
4. Operate the spool to extend the lift ram, to ensure the ram is primed with oil.
5. Follow the 'safe stop, procedure.
6. Remove the 2 nuts (A) & the washer (E) on both sides of the impeller. The impeller will slowly drop as the oil disperses from the lift ram.
7. Do not adjust the 2 nuts (F), as these together with the washer acts as a stop to set the impeller position.
8. Raise the impeller by operating the hydraulic spool of the tractor to extend the lift ram (B).
9. Follow the 'safe stop, procedure.
10. Re-fit the 2 nuts (A) & the washer (E) on both sides of the impeller, tighten until they hit the stop washer.
11. Turn the impeller by hand to ensure it runs freely.



6.12 SHEARBOLT PROTECTED AUGER PADDLES



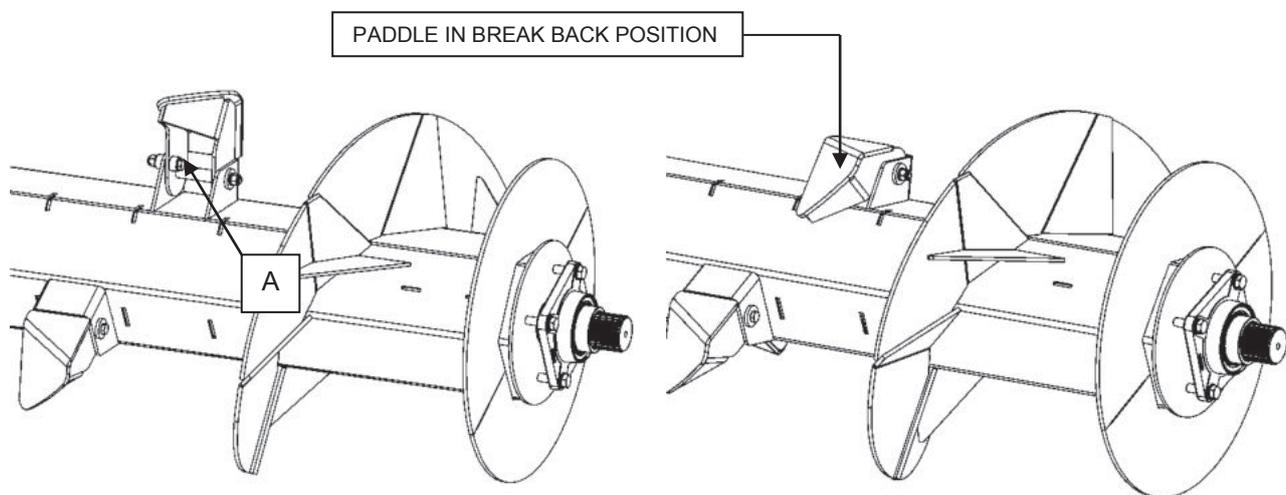
Refer to section 2.10 – Accident prevention when using the PTO shaft for safety procedures..



Refer to section 2.11 – Accident prevention when servicing and working on the machine for safety procedures.

The Powerspread is fitted with 6 shearbolt protected auger paddles on its auger. These are designed to feed material to the door opening.

If a large obstruction is encountered, the paddle will try and push it round with the auger, as it rotates. If the blockage is too large to move then the shearbolt (A); will break, this will result in the paddle being pushed back against the auger core to avoid the blockage.



If the spread pattern becomes erratic or excessive noise is present then the machine should be stopped and investigated after the discharge of the current load, possible cause maybe the shearbolt(s) have broken on the auger paddles, or the obstruction is too large for the machine to dislodge.



The ability of the paddle to break back once the force exceeds the shearbolt rating reduces the risk of damage to the body, door or impeller.

Under **NO** circumstances should the "spring-back" paddles be welded solidly and the shearbolt removed as this will invalidate the warranty of the Powerspread.

The shear bolts must be genuine Shelbourne Reynolds service parts. If not, the company will not consider any claim made under the warranty and no liability shall be attached to the company.

Auger paddle Shearbolt part no. SCCA16533
Nut part no. NUT-0271

If the auger paddle shearbolts need to be changed follow this procedure:

1. Follow the 'safe stop, procedure.
2. Disconnect the PTO shaft and hydraulic services from the machine.
3. You will need 2 off 24mm spanners, replacement shearbolts and nuts and a pry bar to remove any access manure from around the paddle.
4. Enter the tub only via the rear inspection ladder provided. Pay particular caution while standing on the auger core, as the surface will be slippery.
5. Re reconnect the PTO shaft and safety chain before continuing to spread.

6.13 OPERATING THE STEERING AXLE



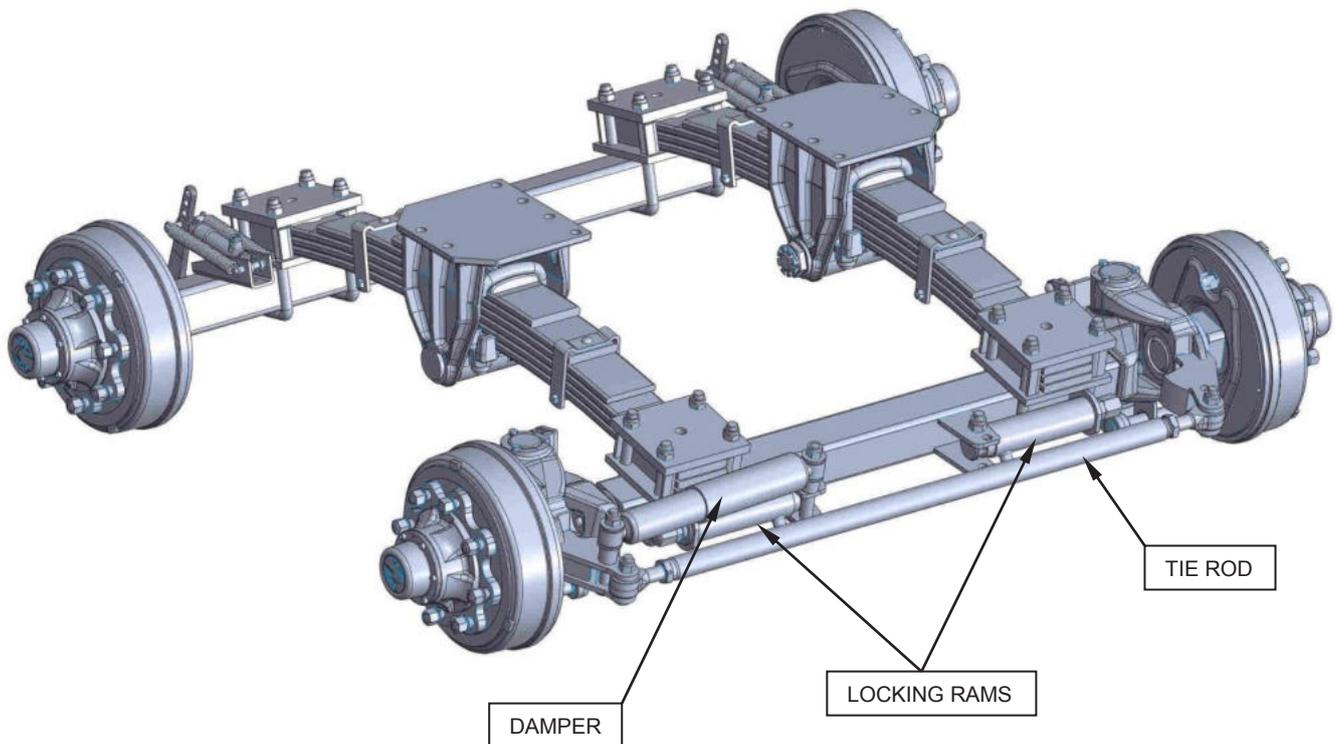
Refer to section 2.7 – Accident prevention when operating the machine, for safety procedures.

The Powerspread can be specified with a tandem bogie assembly which incorporates a steering rear axle. Steering axles contain two spindles which swivel about a kingpin. This can considerably reduce tyre wear, improve the manoeuvrability of the machine and significantly reduce parasitic forces on the chassis and wheels.

The wheel alignment is finely controlled by a tie rod which is adjusted by turning the tie rod with a left-hand thread at one end and a right-hand thread at the other

There is a damper to reduce oscillations and also stabilises the mechanism, and two locking rams are used to straighten the wheels just before reversing. The Locking rams can also be activated while manoeuvring on steep cambers or on particularly rough surfaces (bumps, potholes, etc.).

The locking rams are activated via the hydraulic service connected to a spool valve of the tractor.



SECTION 7 ADJUSTMENTS AND MAINTENANCE



Refer to section 2.11 – Accident prevention when servicing & working on the machine for safety procedures.

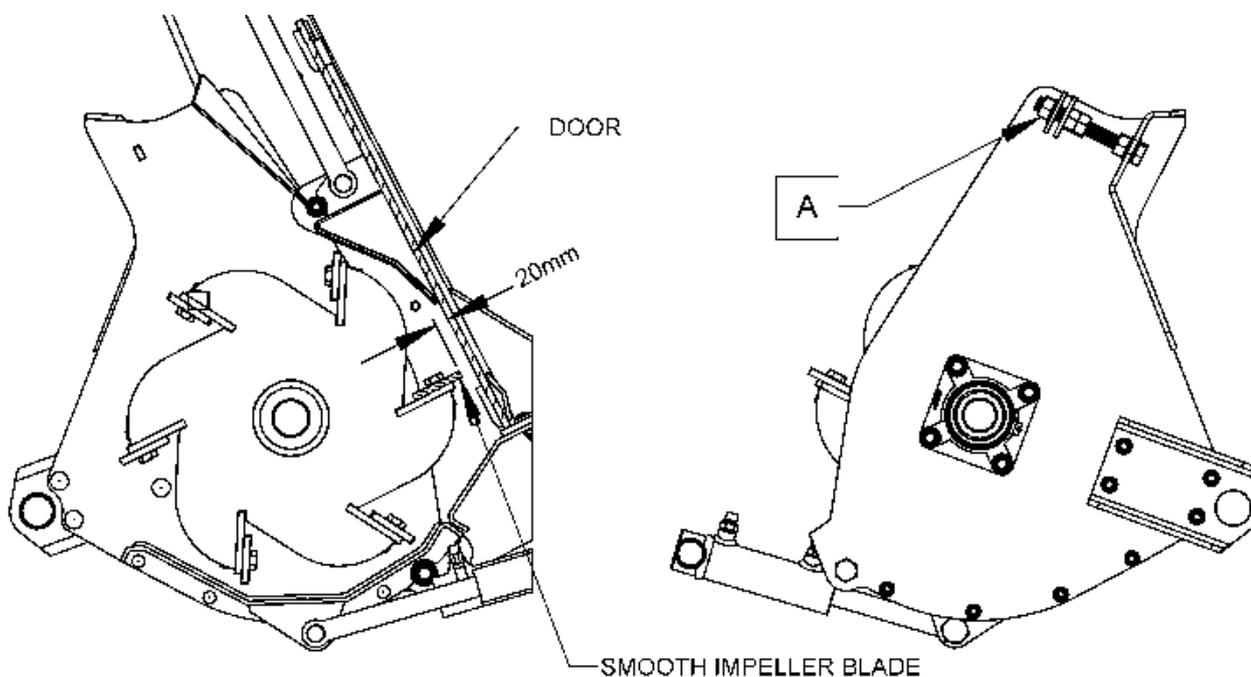
7.1 **IMPELLER BLADE ADJUSTMENT**

It is important to set the impeller a certain distance from the door to maintain a good spread pattern, and to prevent impact damage between the impeller or door assemblies. Each Impeller blade is attached to the impeller by two bolts. The impeller should be adjusted to give 20mm (3/4") clearance between the tip of the smooth blades and the outside face of the discharge door when closed (see diagram below).

The smooth blades should protrude approximately 2mm (5/64") further than the teeth on the serrated blades.



The M16 impeller blade fasteners should be tightened to 210Nm (155lb-ft).



As the impeller blades wear, the whole impeller can be adjusted inwards. The distance can be easily adjusted by slackening or tightening the 4 nuts (A) located on each side of the impeller assembly.

Once adjusted to the required distance from the door, all nuts should be tightened.

When blades are fully worn on one edge they can be turned over and the second edge can be used. Failure to adjust the impeller position on a regular basis will impair the performance of the Powerspread.



Do not set the impeller closer than 20mm from the door as impact & subsequent damage to the impeller will occur.

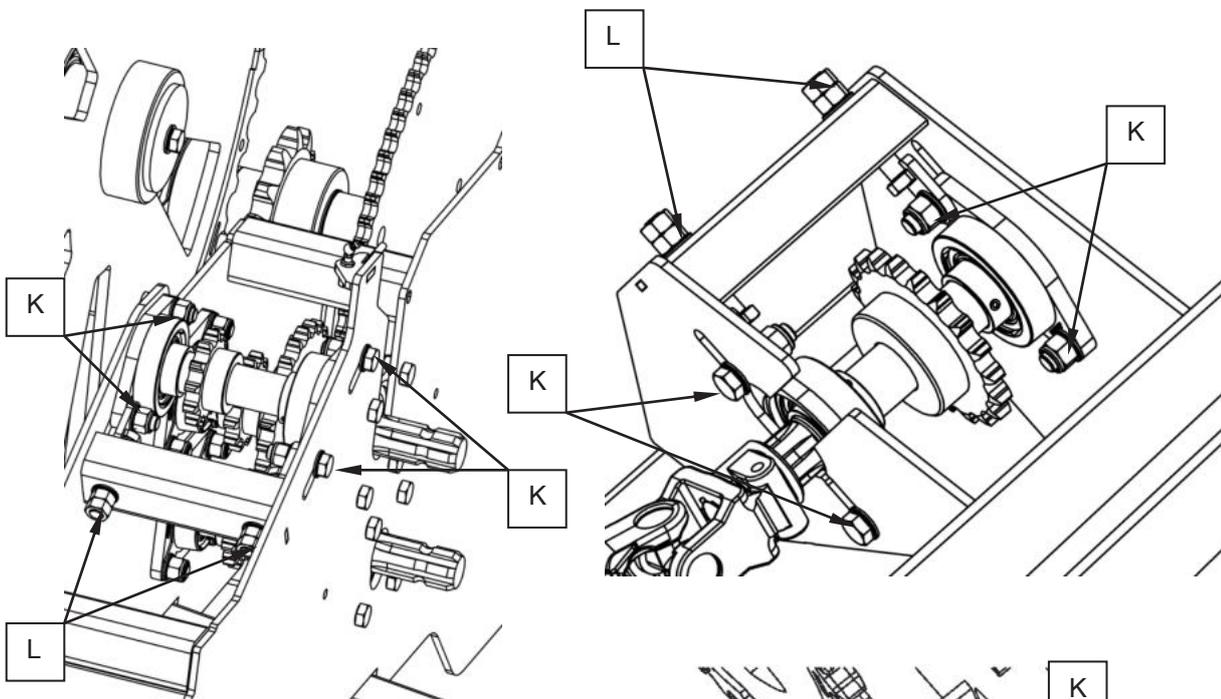
7.2 DRIVE CHAIN TENSIONING



Refer to section 2.11 – Accident prevention when servicing and working on the machine for safety procedures

The Powerspread is fitted with 3 simplex chains of various sizes to drive the auger and impeller. All chains are fitted with a tension adjuster (see diagrams below). The correct chain tension will have been set at the factory but it should be regularly checked during field use. Failure to regularly adjust the chain tensions will severely reduce the life of the chain and greatly increase the chances of breaking a shearbolt on start up.

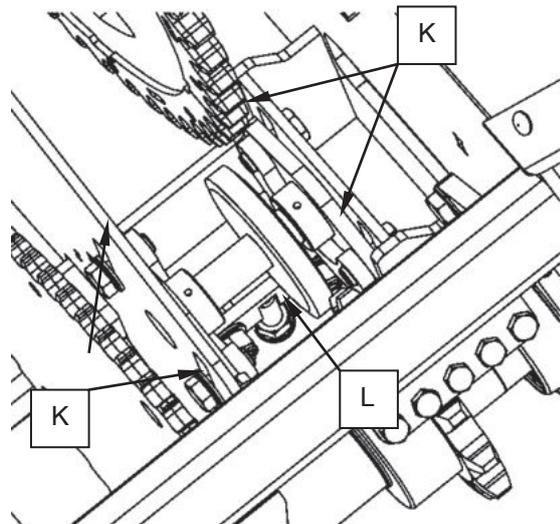
To tension the chain, firstly slacken bolts (K), then adjust the plain nuts (L) to move the sprocket up or down to the required position, and finally tighten bolts (K) to lock the whole assembly in position. Make sure the chain is physically felt and checked as it is tightened.



Follow the method as described below to ensure the chain tensions are set correctly.

The total slack in the chain can be determined by counter rotating the sprockets so one strand is taut, and then measuring the total sag between the chain and a straight edge midway between the sprockets

The sag should be 1-2% of the centre distance. (See Fig 3.- Shown overleaf, for approximate dimensions).



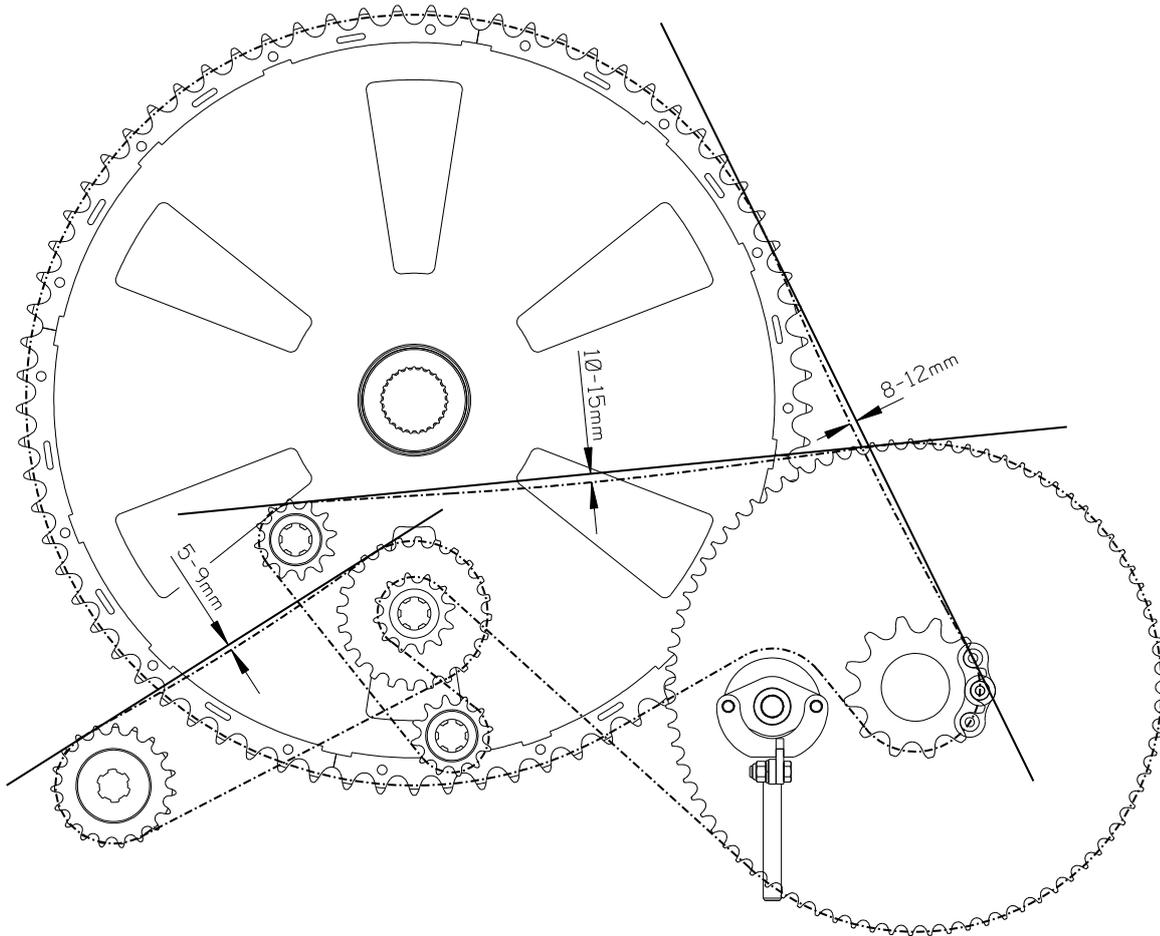


Fig 3.

7.3 CHECKING / TIGHTENING OF WHEEL NUTS



Refer to section 2.11 – Accident prevention when servicing and working on the machine for safety procedures.

| Number of studs, stud size and nut type | Torque (Nm) | Torque (lb/ft) | Socket size |
|--|-------------|----------------|-------------|
| 10 studs, M22 x 1.5mm pitch, “Bec” taper cone nut | 450 | 332 | 32mm |
| 8 studs, M20 x 1.5mm pitch, “Plain nut & split coned washer” | 350 | 260 | 30mm |

The wheel nuts must be tightened diagonally using the appropriate sized socket to the torque stated using a torque wrench.

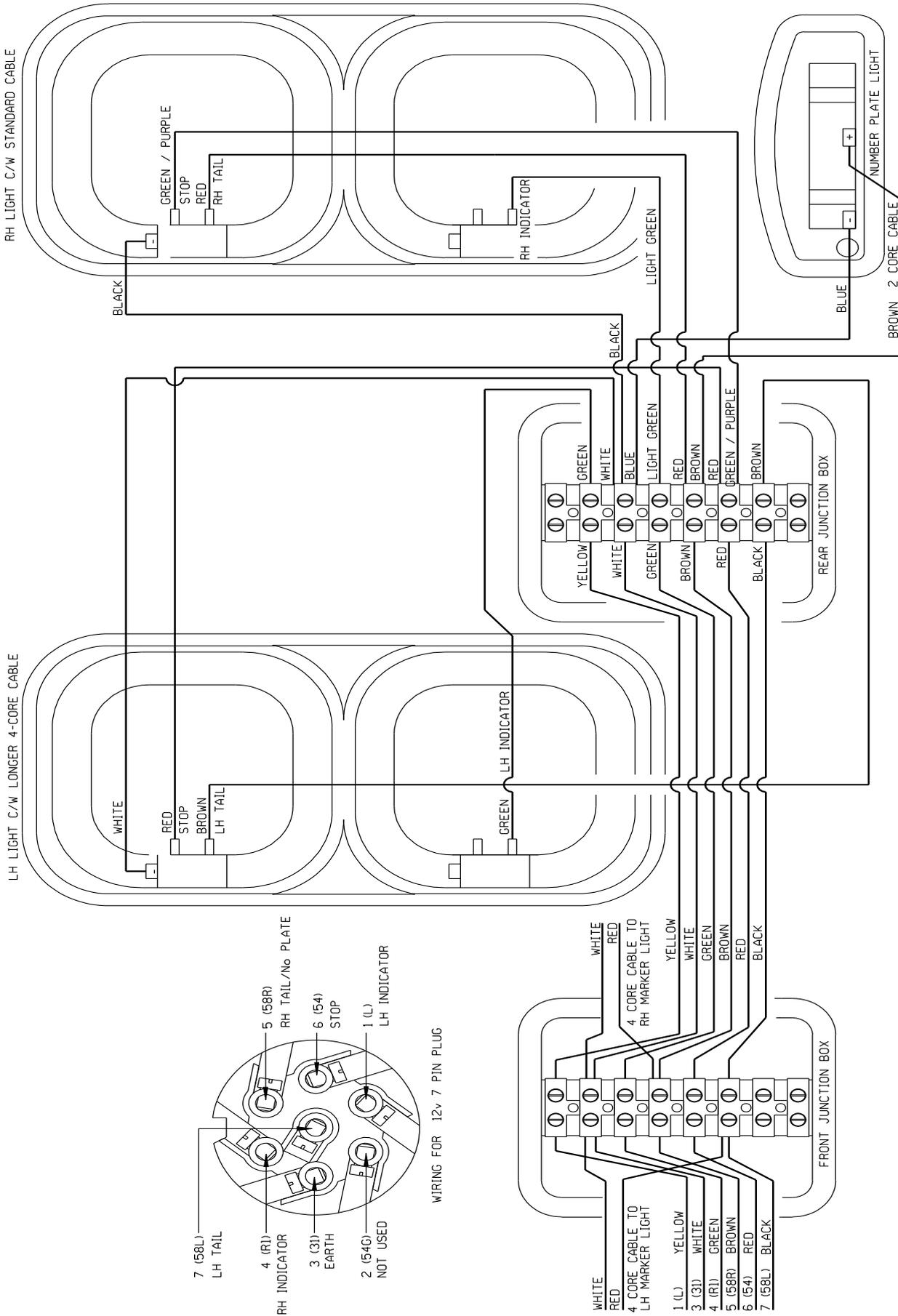
It is recommended that wheel nuts should be checked / tightened :

- Before use at Pre Delivery Inspection stage.
- After the first use / laden journey.
- After the first day of use. Depending if the wheel nuts have become loose then repeat check / tighten daily until no loosening occurs.
- After the first week of use. Depending if the wheel nuts have become loose then repeat check / tighten weekly until no loosening occurs.
- Regularly during use onwards.

Repeat every time the wheels are changed or removed.

7.4 ELECTRICAL WIRING DIAGRAMS

Standard Lights (non LED)



7.5 TYRE PRESSURES



Refer to section 2.11 – Accident prevention when servicing and working on the machine for safety procedures.

To ensure maximum tyre life and performance, it is advisable to check the tyre pressure every 2 weeks. If the machine has not been used for a long period, check the tyre pressures before putting the machine back into operation. Ensure there are dust caps on the valves.

The Powerspread is supplied with the following wheel & tyre assemblies:

| | | |
|--------------------|-------------------------------------|------------------------------|
| 1800-2300 | 23.1-26 16PR Crossply Alliance | Inflate to 2.3 bar (33 psi) |
| 1800-2300 | 23.1-26 18PR Crossply Starmaxx | Inflate to 2.41 bar (35 psi) |
| 2400-3200 | 650/65-R30.5 Trelleborg Twin Radial | Inflate to 3.0 bar (44 psi) |
| 2400-3200 (Tandem) | 500/60-22.5 16PR Crossply Starmaxx | Inflate to 2.8 bar (41 psi) |

7.6 MAINTAINING THE HYDRAULIC SYSTEM



Refer to section 2.6 - Accident prevention when using the hydraulic system for safety procedures.

Do not operate the machine at a pressure higher than 210bar.

Check the hose ends and other hydraulic connections daily to ensure there are no leaks.

Check the hoses themselves regularly to ensure there is no damage to the sheathing. If the steel braiding has been exposed it should be covered with self-adhesive tape to protect it from rust. If the braiding itself has become damaged then the hose should be replaced, as there is a danger it could burst.

Ensure that a replacement hose is of the same pressure rating as the hose it replaces. Always use 2 spanners when tightening hoses.

Recommended torque settings for hose nuts:

| SIZE (BSP) | NUT TORQUE SETTING | | | |
|------------|--------------------|--------|-----|--------|
| | Min | | Max | |
| | Nm | lbf-ft | Nm | lbf-ft |
| 1/4" | 15 | 11 | 18 | 13 |
| 3/8" | 26 | 19 | 31 | 23 |
| 1/2" | 41 | 30 | 49 | 36 |
| 5/8" | 50 | 37 | 60 | 44 |
| 3/4" | 70 | 52 | 80 | 59 |
| 1" | 105 | 77 | 125 | 92 |

7.7 RECOMMENDED TORQUE FOR FASTENERS



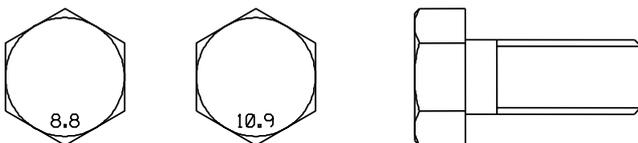
Refer to section 2.11 - Accident prevention when servicing and working on the machine for safety procedures

The table shown below provides the correct torque values for various fasteners.

- Tighten all fasteners to the torques specified in the chart unless otherwise stated in this manual.
- Check tightness of fasteners periodically, using torque chart as a guide.
- Replace hardware with the same strength fastener.
- Torque figures are valid for non-greased or oiled threads unless otherwise specified.
- Do not grease or oil fasteners unless specified. When using locking elements, increase torque values by 5%.

| THREAD DIAMETER. | WRENCH SIZE (mm) | BOLT TORQUE / GRADE* | | | |
|------------------|------------------|----------------------|-----|--------|------|
| | | 8.8 | | 10.9 | |
| | | lbf-ft | Nm | lbf-ft | Nm |
| M5 | 8 | 4 | 6 | 7 | 9 |
| M6 | 10 | 7 | 10 | 11 | 15 |
| M8 | 13 | 18 | 25 | 26 | 35 |
| M10 | 17 | 37 | 50 | 52 | 70 |
| M12 | 19 | 66 | 90 | 92 | 125 |
| M14 | 22 | 103 | 140 | 148 | 200 |
| M16 | 24 | 166 | 225 | 229 | 310 |
| M20 | 30 | 321 | 435 | 450 | 610 |
| M24 | 36 | 553 | 750 | 774 | 1050 |

* Torque categories for fasteners are identified by their head markings



7.8 CHECKING THE AXLE HUBCAPS



Refer to section 2.11 for accident prevention when servicing and working on the machine for safety procedures

Check that the hubcaps are in place and in perfect condition.

Missing or damaged hubcaps must be replaced immediately, to avoid dirt penetrating into the hub, and consequently damaging the wheel bearings.

For press fit hubcaps, check visually that they are fully home.

For hubcaps attached using screws, fit a new gasket if the hubcap is removed, and tighten the screws regularly (Every 3 months).

7.9 CHECKING THE WHEEL BEARINGS



Refer to section 2.11 - Accident prevention when servicing and working on the machine for safety procedures.

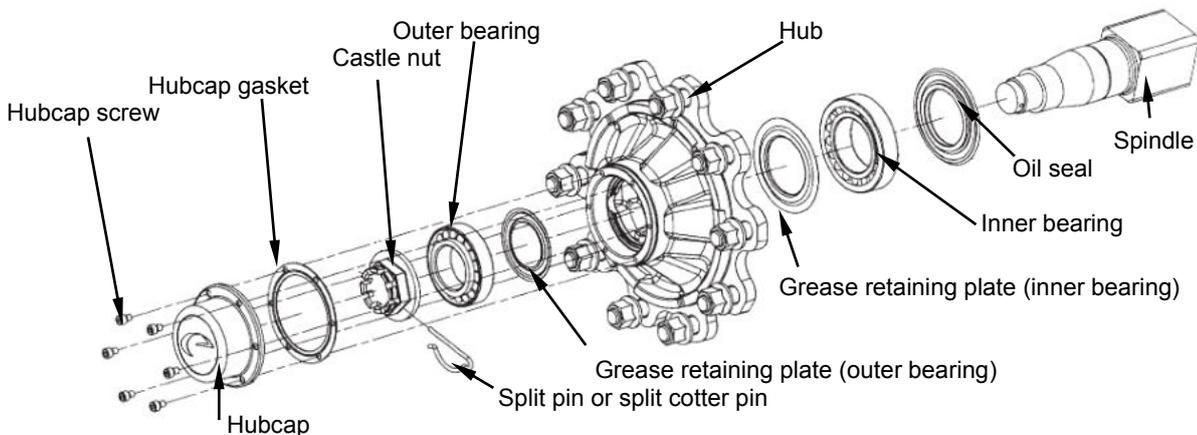
Wheel bearings are subject to wear; their lifetime depends on the operating conditions, the load, speed, adjustment and lubrication.

They should be checked after the first 1000km, before intensive use or every 3 months or 5,000km.

To check for play in the wheel bearings, raise the axle until the wheel is no longer resting on the ground.

Release the brake, and grip the wheel at the top and the bottom, and check the play by trying to tilt it.

If you can feel any play, adjust the wheel bearing, as described below



1. Remove the hubcap.
2. Remove the cotter pin or hairpin clip from the spindle.
3. Tighten the castle nut (Right hand thread) to take up the internal play, (the spherical roller bearings should then be firmly held between the hub seating , the pressure ring spindle and castle nut
4. The rotation of the hub should feel to be slightly stiff, slacken the castle nut until there is no friction between the castle nut and the outer bearing, and the hole for the pin is aligned with a notch in the castle nut.
5. Tap the hub gently using a mallet to shake down the assembly.
6. Check that the hub rotates more freely, it is best to be too free rather than too tight.
7. When the hub has been adjusted, fit a new split cotter pin.
8. Refit the Hubcap, and tighten the hubcap screws.
9. When the wheel has been re-fitted, turn it slightly. It should come to rest with a slow rocking movement due to the imbalance

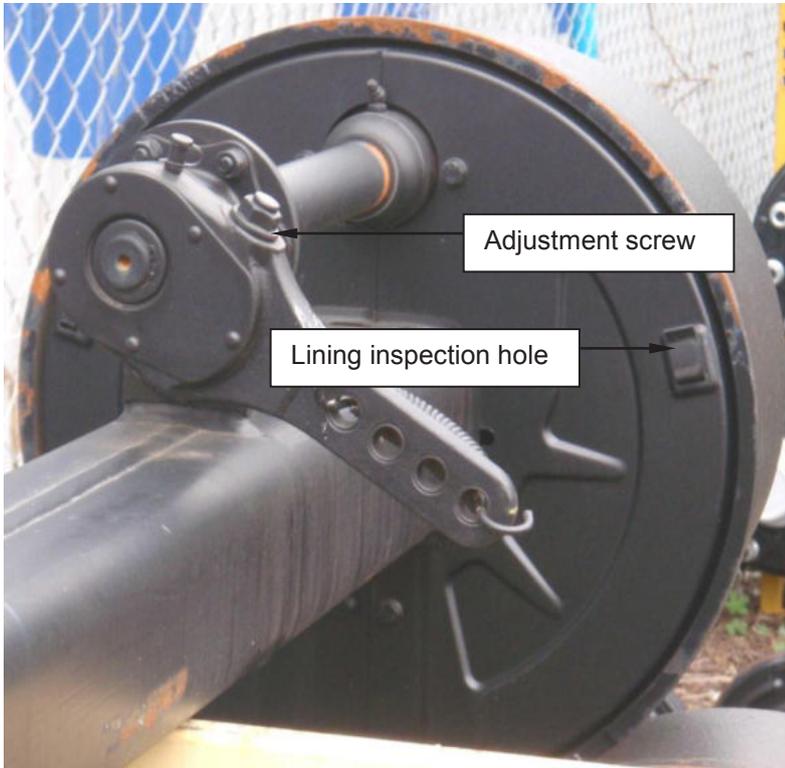
In normal operating conditions, lubricate the bearings every 2 years or every 40,000km, or when the brake shoes are replaced.

The axle hubs will need to be disassembled in order to lubricate the wheel bearings, this work should be carried out in a clean environment with appropriate tools as any contamination can damage the bearings or even the spindle.

7.10 CHECKING BRAKE CLEARANCE & WEAR



Refer to section 2.11 - Accident prevention when servicing and working on the machine for safety procedures.



Check and test the brakes before intensive use and every 3 months.

Check the brake wear, and the clearance between the brake linings and the drum visually, by looking through the lining inspection hole.

It is probable that the linings are worn when the hydraulic cylinder travel has increased significantly.

The brake shoes should be replaced if the minimum lining thickness of 5mm is reached.

When replacing the brake shoes, always re-pack the bearings with grease.

The brake levers may need adjusting when the brake shoes begin to wear. This is done by taking up the slack when the hydraulic brake cylinder reaches about two thirds of its maximum travel. To take up the slack, turn the adjustment screw on the lever to move the brake lever (shown above).

The brake operating levers contain several holes. Always mount the hydraulic cylinder and the handbrake cable in the original holes, as this will alter the machines braking efficiency.

If in doubt please consult your dealer to carry out this work.

7.11 MAINTENANCE OF THE STEERING AXLE



Refer to section 2.11 - Accident prevention when servicing and working on the machine for safety procedures.

Steering axles should be maintained identically to standard axles, as described previously in sections 7.8, 7.9 & 7.10. However they do require extra maintenance and adjustments as described below.

Before intensive use and every 3 months:

- Lubricate the kingpins.
- Tighten the screws and nuts and all parts mounted on the axle (chambers, cylinders and mountings, locking, cylinders, damper, tie rod, etc).
- Check that the tie rod has not been accidentally bent as this adversely affects the steer axle, in particular the wheel alignment.
- Check the full-lock angle limit screws on the axle.
- If the steer axle oscillates, check the damper. Oil traces do not indicate that the damper is unserviceable but a major oil loss will result in its failing. Uncouple it at one end and push it in and out by hand for the whole travel. If there is little resistance, replace the damper. Also replace the damper if it is badly dented.
- Ensure that the damper is mounted the right way round. A new damper should have the label at the top.
- Look for and correct any leaks of air or hydraulic fluid from the chambers, cylinders and damper.

Checking and adjusting the wheel alignment:

Before adjusting the wheel alignment, check that the flexible bushings at the ends of the tie rod are in good condition and replace them if necessary.

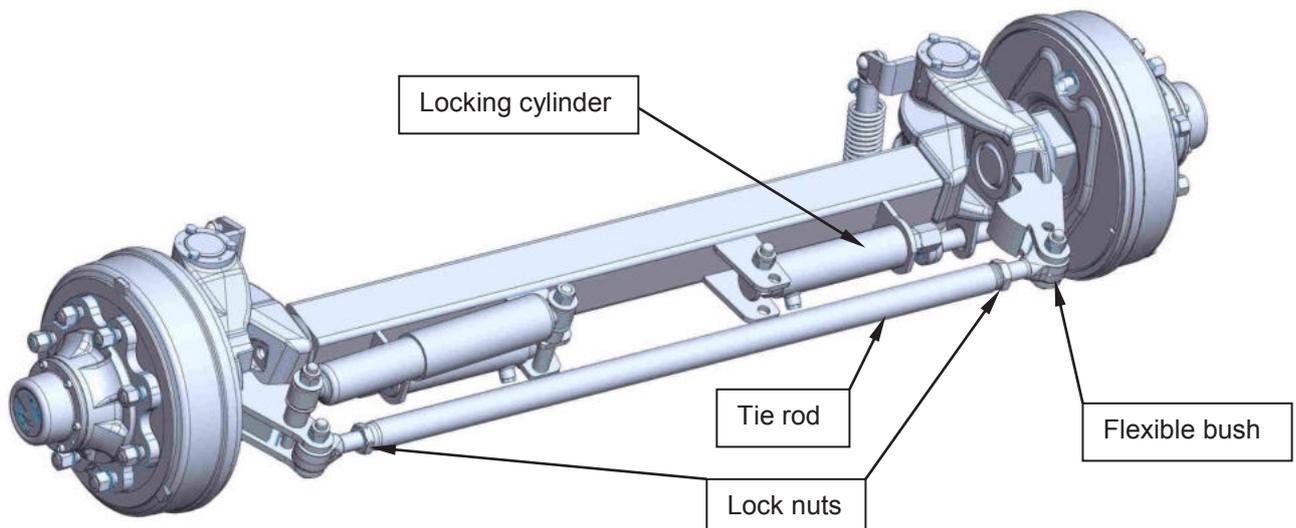
Align the wheels with the vehicle on a smooth, level surface.

The wheel alignment must be adjusted with the locking cylinder pistons retracted.

Measure the distance between the rims at the front and at the back of the wheels: the distance should be the same.

If the wheel alignment is not perfect, adjust it as follows, with the locking cylinder pistons still retracted

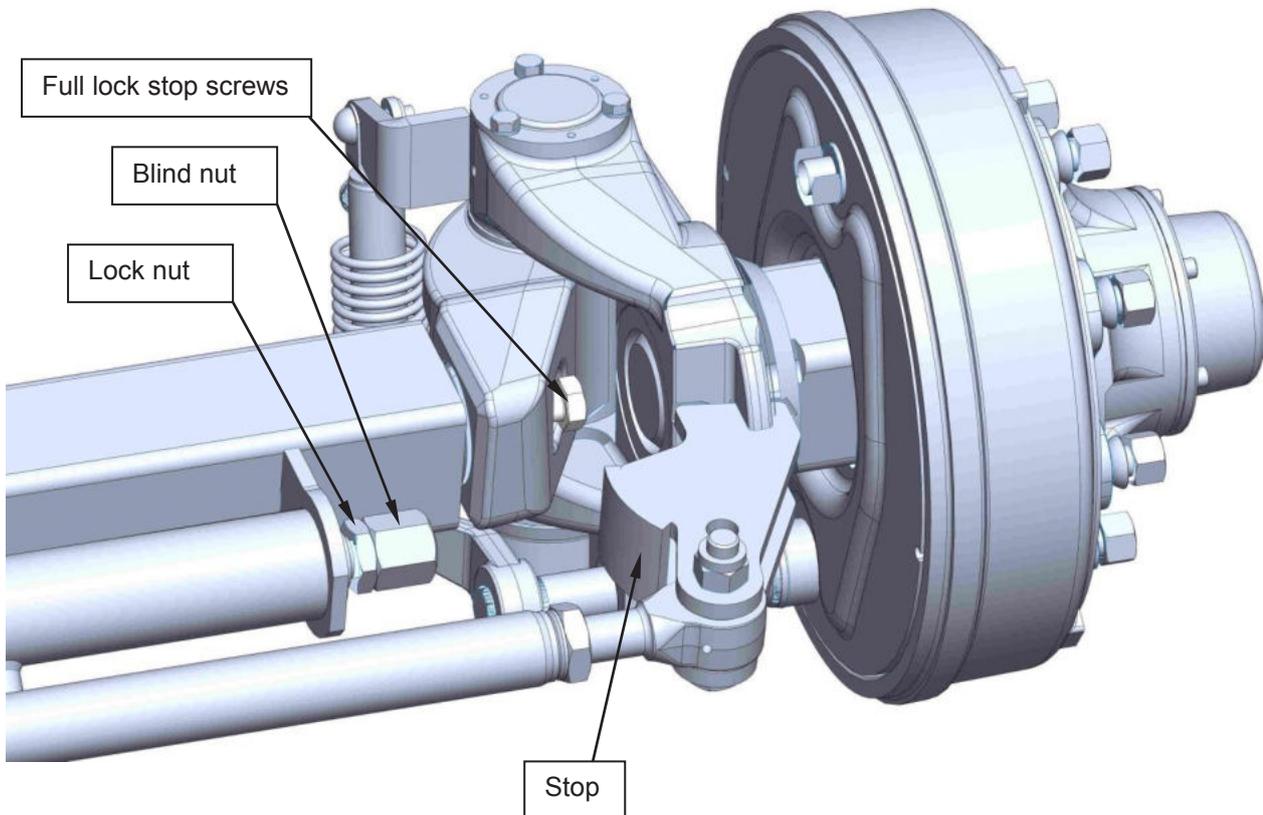
- Slacken the 2 lock nuts on the end of the tie rod.
- Turn the tie rod to pull or push the wheels until the distances are the same. The wheels may be set to have a slight toe in (distance at the front less than the distance behind) of no more than about 4 mm but never adjust with toe out.
- Lock the lock nuts when the tie rod has been adjusted and then adjust the locking cylinders



Adjusting the locking cylinders:

- Move the lock nuts and the blind nuts as close as possible to the body of the cylinder.
- Without operating the locking rams, align the steer axle and the vehicle on a smooth, level surface.
- Pressurise the rams and maintain the pressure.
- Screw the blind nuts to contact the stops without forcing
- Screw the lock nuts to contact the blind nuts.
- Tighten the lock nuts firmly
- Check that the wheels are still aligned.

The only maintenance required for the locking rams is to keep them perfectly clean, in particular the surface of the ram rod. If the seals are leaking, they can be replaced.



Adjusting the full lock stop screws

Check the full-lock angle regularly by turning fully to the right and to the left and checking that the tyres do not touch the trailer or suspension as this might wear or damage the tyres. Adjust the full-lock stop screws, if appropriate and tighten the lock nuts.

7.12 MAINTENANCE OF THE BOGIE SUSPENSION



Refer to section 2.11 - Accident prevention when servicing and working on the machine for safety procedures.

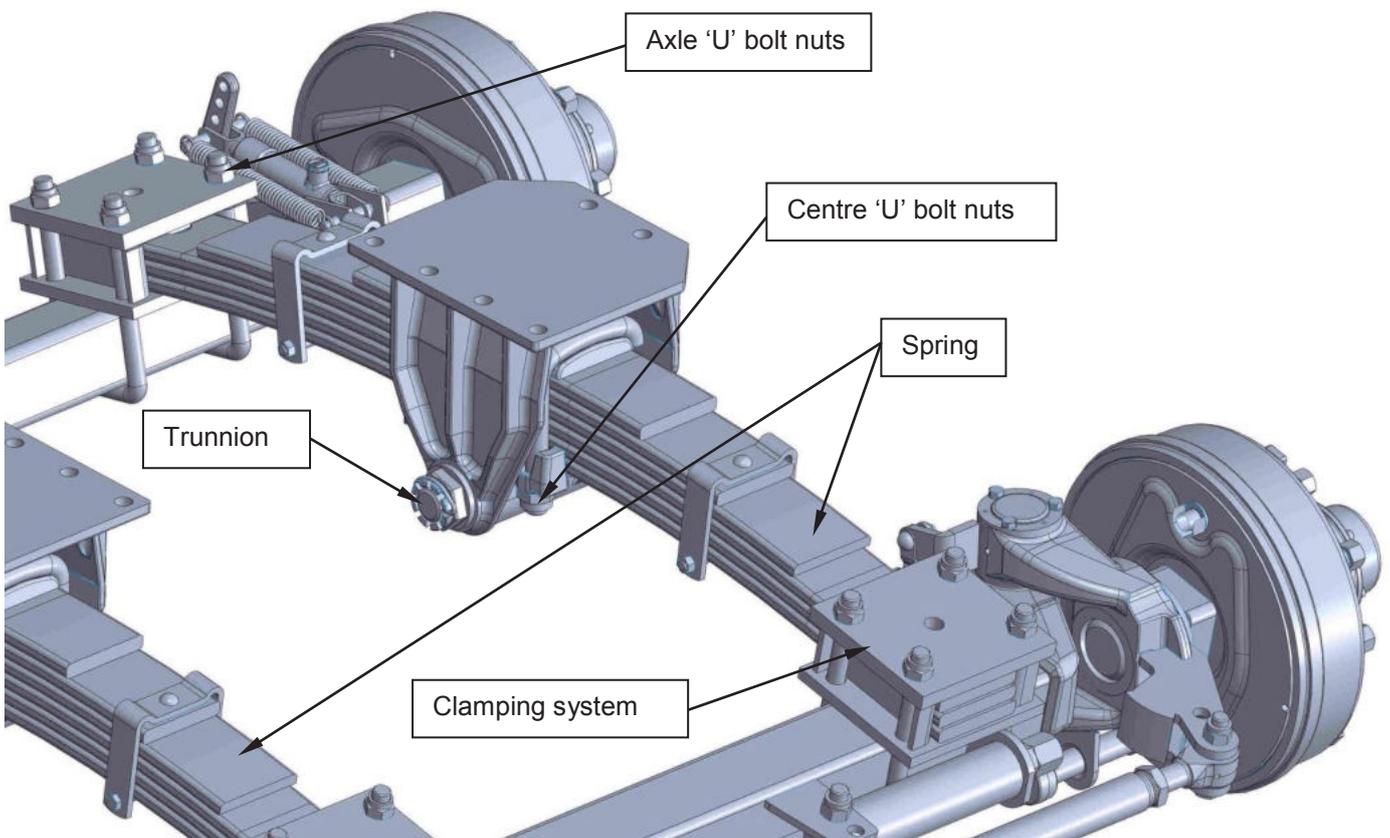
After the first laden journey, before intensive use and every 6 months:

- Tighten the axle U-bolt nuts diagonally to a torque of 440Nm
- Tighten the centre U-bolt nuts diagonally to a torque of 590Nm
- Tighten the bolts that connect the Bogie suspension to the tub of the Powerspread to a torque of 435Nm.
- Lubricate the central trunnion.

Every year

- Check the play between the bushings and the trunnions and, if there is excessive play, replace the worn parts.
- Check the general condition of the springs: clean them thoroughly and brush the sides of the springs to check for cracks.
- If there is any play between the spring and the axle, check the whole of the clamping system (the rubber pad, the clamping box and plate and the alignment pin).

Under harsh or intensive operating conditions, maintenance should be carried out more frequently.



7.13 CHANGING A WHEEL



Refer to section 2.14 - accident prevention when changing a wheel for safety procedures.

Firstly park the machine on a flat hard standing surface capable of withstanding the loading of a jack. Ensure the wheels are chocked and the machine is hitched to the tractor with its parking brake engaged.

Locate the heavy duty trolley jack in a position to maintain maximum stability and ensure it can extend high enough to reach the jacking point

Use heavy duty axle stands as props, never rely on the hydraulics of any lifting equipment.

Finally use a mechanical lifting aid to position and secure the wheels. Once lowered ensure the wheel nuts are tightened to the correct torque.

The symbol shown below is displayed on the machine and is there to identify the locations on the machine where a trolley jack or support device can be used.



Do not attempt to change a wheel unless you have the proper equipment and experience to do the job. If in doubt use a skilled professional. The cost is minimal compared to the costs associated with the serious consequences if something goes wrong.

7.14 STORAGE & CLEANING



Refer to section 2.12 for accident prevention when cleaning and storing the machine for safety procedures.

Clean the machine thoroughly, making sure that high-pressure water does not contact bearings, seals or electrical components. Avoid washing paintwork at very close range or at very high pressure.

The machine should be stored undercover, to protect it from the effects of sun and rain. Make any necessary repairs and then apply grease to all grease points until fresh grease shows. Also, apply a layer of grease to all unprotected surfaces that are prone to corrosion, in particular any exposed hydraulic cylinder rods. (This grease should be carefully removed prior to the next use of the machine, as it will contain sufficient dirt to damage the cylinder seals.

If the machine is to be kept outside, it should be parked with the door open to prevent water sitting in the bottom of the tub, and to prevent the doors hydraulic cylinder from rusting.

Park the hydraulic hoses and 7-pin plug in the parking station as shown below to prevent damage during storage:

When the Powerspread is not in use stow the PTO shaft as shown below to prevent damage:



SECTION 9:

PARTS LISTING

POWERSPREAD PARTS MANUAL

Machine Identification

The Powerspread machine and serial identification numbers are engraved on a plate on the left hand side of the drawbar beam.

Record serial, machine and any kit option numbers in the space below;

| | |
|----------------------------|-------|
| POWERSPREAD SERIAL NUMBER | _____ |
| POWERSPREAD MACHINE NUMBER | _____ |
| OTHER KIT OPTIONS | _____ |
| | _____ |
| | _____ |
| | _____ |
| | _____ |
| | _____ |
| | _____ |

Ordering Spare Parts

To ensure that you order the correct part from your SRE dealer please use the following procedure.

ALWAYS QUOTE THE MACHINE AND SERIAL NUMBERS WHEN ORDERING.

Refer to the first page of this parts list section (machine assemblies), listing all the sub assemblies.

The appropriate assemblies part number (in the top left corner) will match the machine number from the Powerspread identification plate.

Use the following sub assembly numbers and descriptions to find the area of the machine that your part is required, i.e. if you need a part which is fitted to the impeller, your part will be in the discharge rotor assembly parts list.

Having decided which sub-assembly your part should be under, use the number beside that sub-assembly description, (which will begin with 6090__ __), to find the parts listing of the sub-assembly further on in the manual. The number will be printed in the top left hand corner, the sub-assemblies are in numerical order.

Having found the correct parts list, you will find the corresponding drawing by either looking at the facing page or progressing through the manual to the next drawing. The drawings indicate the components by item numbers which you will find are repeated in the left hand side of your parts listing, and therefore referring to the correct part.

List Of Kits For Powerspread Pro 1800-3200

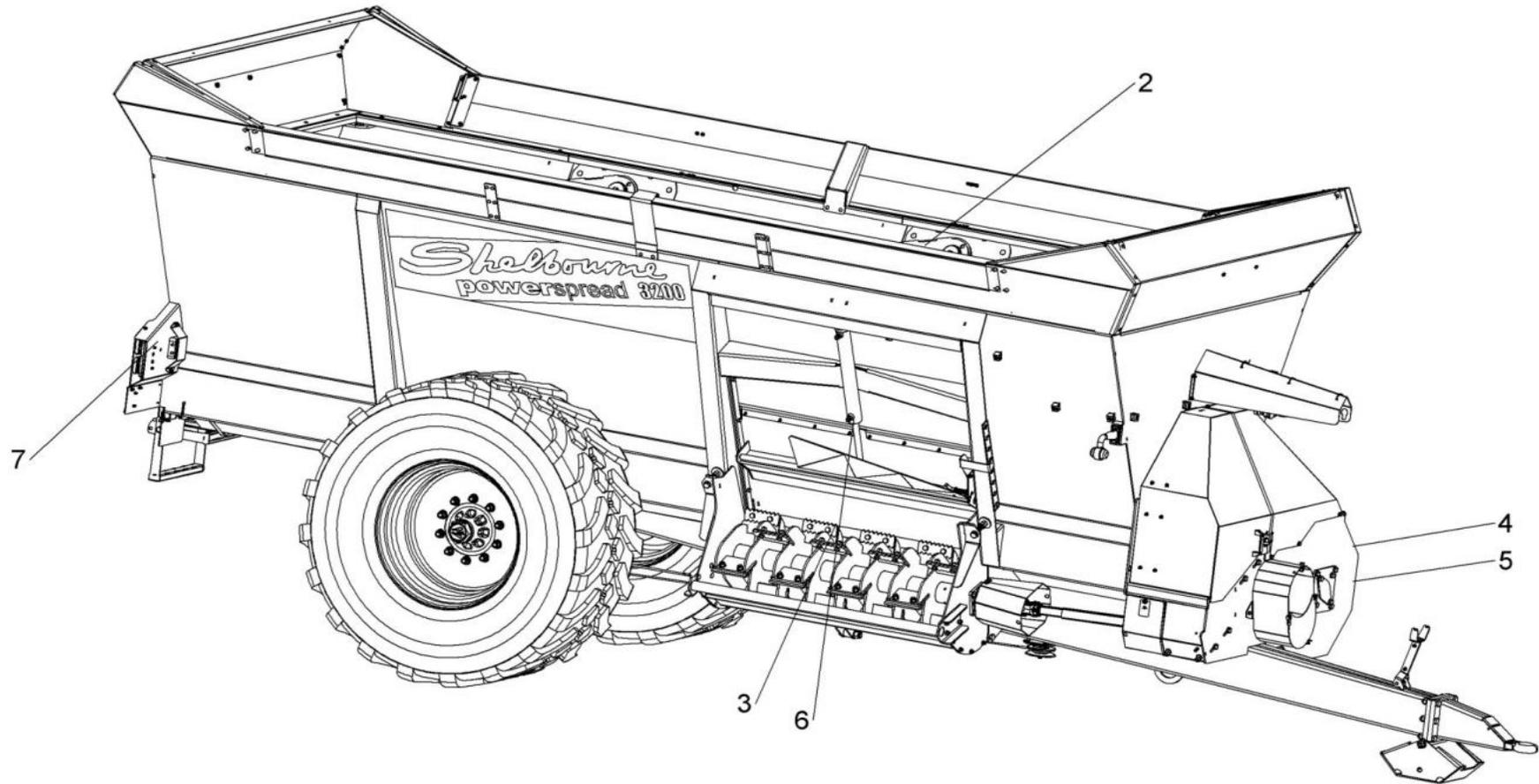
| | | |
|------------|--------------------------------------|-----|
| 609905 01 | Powerspread Pro 2400-3200 | 70 |
| 609905 02 | Powerspread Pro 1800 | 72 |
| 609049 01 | Auger And Auger Fixing Kit | 74 |
| 609049 02 | Auger And Auger Fixing Kit | 76 |
| 609050 01 | Impeller Sub Assembly | 78 |
| 609051 01 | Drives Sub Assembly | 81 |
| 609051 02 | Drives Sub Assembly | 85 |
| 609052 01 | Door Hydraulics Sub Assembly | 88 |
| 609053 01 | Guards Sub Assembly | 90 |
| 609054 01 | Tub And Door Sub Assembly | 92 |
| 609054 02 | Tub And Door Sub Assembly | 94 |
| 609066 01 | Guards Sub Assembly | 96 |
| 609068 01 | Auger Fixing Sub Assembly | 98 |
| 609068 02 | Auger Fixing Sub Assembly | 100 |
| 609069 01 | Tub And Door Sub Assembly | 102 |
| 609069 02 | Tub And Door Sub Assembly | 104 |
| 609070 01 | Impeller Sub Assembly | 106 |
| 609071 01 | Door Hydraulics Sub Assembly | 108 |
| KIT-03249 | UK Parts Kit | 110 |
| KIT-03643 | Wheel And Tyre Kit | 112 |
| KIT-03692 | PTO Shaft Kit | 114 |
| KIT-03692a | PTO Shaft Kit | 116 |
| KIT-03742 | UK Heavy Drawbar Kit | 118 |
| KIT-03744 | Anti Bridge Kit | 120 |
| KIT-03745 | Straw Plate Kit | 122 |
| KIT-03746 | Axle With Hydraulic Brakes | 124 |
| KIT-03747 | Lighting Kit | 126 |
| KIT-03747a | Lighting Kit | 128 |
| KIT-03748 | Anti-Bridge Automatic Hydraulics Kit | 130 |
| KIT-03748a | Anti-Bridge Automatic Hydraulics Kit | 132 |
| KIT-03749 | Powerspread Transfers Kit | 134 |
| KIT-03755 | 3200 Extension Top Kit | 136 |
| KIT-03758 | Anti-Bridge Manual Hydraulic Kit | 138 |
| KIT-03758a | Anti-Bridge Manual Hydraulic Kit | 140 |
| KIT-03762 | Rear Anti Bridge Kit | 142 |
| KIT-03762a | 1800g Rear Anti-Bridge Kit | 144 |
| KIT-03763 | Hydraulic Axle Kit | 146 |

| | | |
|------------|-------------------------------|-----|
| KIT-03764 | UK Drawbar Kit | 148 |
| KIT-03770 | Blanking Plate Kit | 150 |
| KIT-03771 | Blanking Plate Kit | 152 |
| KIT-03771a | Blanking Plate Kit | 154 |
| KIT-03773 | Wheel And Tyre Kit | 156 |
| KIT-03773a | Wheel And Tyre Kit | 158 |
| KIT-03781 | 2300 Extension Top Kit | 160 |
| KIT-03784 | 1800 & 2400 Slurry Canopy Kit | 162 |
| KIT-03799 | Wide Angle PTO Shaft Kit | 164 |
| KIT-03806 | Single Hydraulic Axle Kit | 166 |
| KIT-03807 | Tandem Hydraulic Axle Kit | 168 |
| KIT-03807a | Tandem Axle Kit | 170 |
| KIT-03808 | Hydraulic Axle Kit | 172 |
| KIT-03810 | Tandem Wheel And Tyre Kit | 174 |
| KIT-03812 | Wheel And Tyre Kit | 176 |
| KIT-03823 | Anti Bridge Kit | 178 |
| KIT-03823a | Anti Bridge Kit | 180 |
| KIT-03824 | Auto Hydraulics Kit | 182 |
| KIT-03825 | Manual Hydraulics Kit | 184 |
| KIT-03835 | Extension Top Kit | 186 |
| KIT-03836 | Extension Top Kit | 188 |
| KIT-03850 | Jack Kit | 190 |
| KIT-03855 | Extension Top Kit | 192 |
| KIT-03856 | Extension Top Kit | 194 |
| KIT-03874 | Rear Drawbar Kit | 196 |
| KIT-03875 | Rear Drawbar Kit | 198 |
| KIT-03883 | Tandem Wheel And Tyre Kit | 200 |
| KIT-03891 | 2300 Extension Top Kit | 202 |
| KIT-03893 | Lighting Kit | 204 |
| KIT-03893a | Lighting Kit | 206 |
| KIT-03909 | Air Brake Conversion Kit | 208 |
| KIT-03911 | 3200 Extension Side Kit | 210 |
| KIT-03913 | Tandem Hydraulic/Air Axle Kit | 212 |
| KIT-03914 | Tandem Wheel Kit | 216 |
| KIT-03915 | Wheel And Tyre Kit | 218 |

Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609905 01 | | | | ASSY DESCRIPTION: 3000 GALLON POWERSPREAD | | | |
|------------------------|-----------|--|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 609054 01 | TUB & DOOR SUB ASSY | 1 | | | | |
| 2 | 609068 01 | AUGER FIXING SUB ASSY PSP24130330 & ON | 1 | | | | |
| OR | 609049 01 | AUGER FIXING SUB ASSY UP TO & INC PSP24120239 | 1 | | | | |
| 3 | 609050 01 | IMPELLER SUB ASSY | 1 | | | | |
| 4 | 609051 01 | DRIVES SUB ASSY | 1 | | | | |
| 5 | 609066 01 | GUARDS SUB ASSY PSP24130330 & ON | 1 | | | | |
| OR | 609053 01 | GUARDS SUB ASSY UP TO & INC PSP24120239 | 1 | | | | |
| 6 | 609052 01 | DOOR HYDRAULICS SUB ASSY | 1 | | | | |
| 7 | KIT-03747 | LIGHTING KIT | 1 | | | | |

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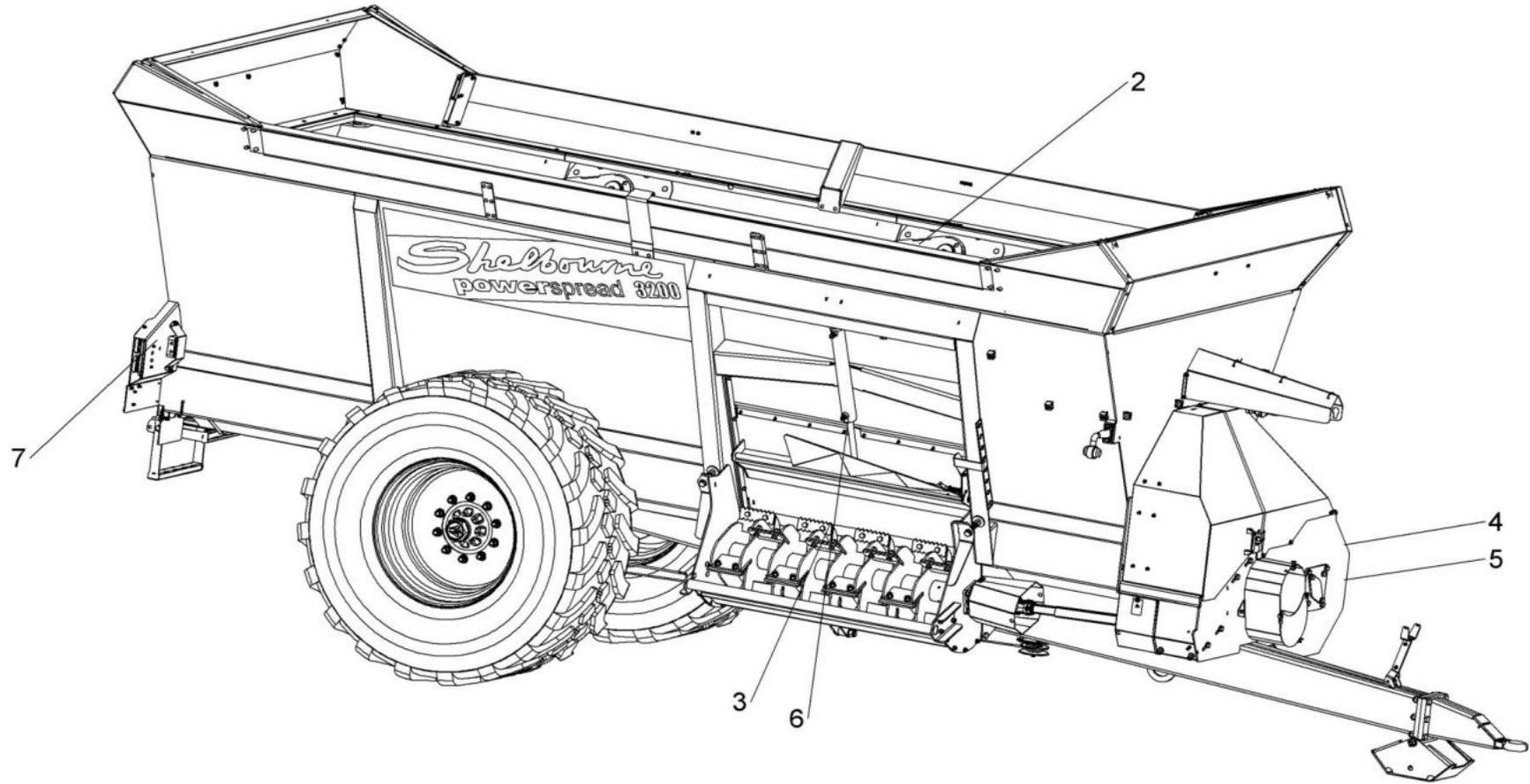
609905 01
609905 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609905 02 | | | | ASSY DESCRIPTION: POWERSPREAD PRO 1800 TOP LEVEL | | | |
|------------------------|------------|---|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 609069 01 | TUB & DOOR SUB ASSY PSP18160523 & ON | 1 | | | | |
| OR | 609054 02 | TUB & DOOR SUB ASSY UP TO & INC PSP18150516 | 1 | | | | |
| 2 | 609068 02 | AUGER & AUGER FIXING KIT SER No PSP18140345 & ON | 1 | | | | |
| OR | 609049 02 | AUGER & AUGER FIXING KIT UP TO & INC PSP18130311 | 1 | | | | |
| 3 | 609070 01 | IMPELLER SUB ASSY PSP18160523 & ON | 1 | | | | |
| OR | 609050 01 | IMPELLER SUB ASSY UP TO & INC PSP18150516 | 1 | | | | |
| 4 | 609051 02 | DRIVES SUB ASSY | 1 | | | | |
| 5 | 609066 01 | GUARDS SUB ASSY PSP18120258 & ON | 1 | | | | |
| OR | 609053 01 | GUARDS SUB ASSY UP TO & IN PSP24120248 | 1 | | | | |
| 6 | 609071 01 | DOOR HYDRAULICS SUB ASSY PSP18160523 & ON | 1 | | | | |
| OR | 609052 01 | DOOR HYDRAULICS SUB ASSY UP TO & INC PSP18150516 | 1 | | | | |
| 7 | KIT-03747a | LIGHTING KIT UP TO & INC PSP18150516 | 1 | | | | |
| OR | KIT-03893 | LIGHTING KIT PSP18160523 & ON | 1 | | | | |

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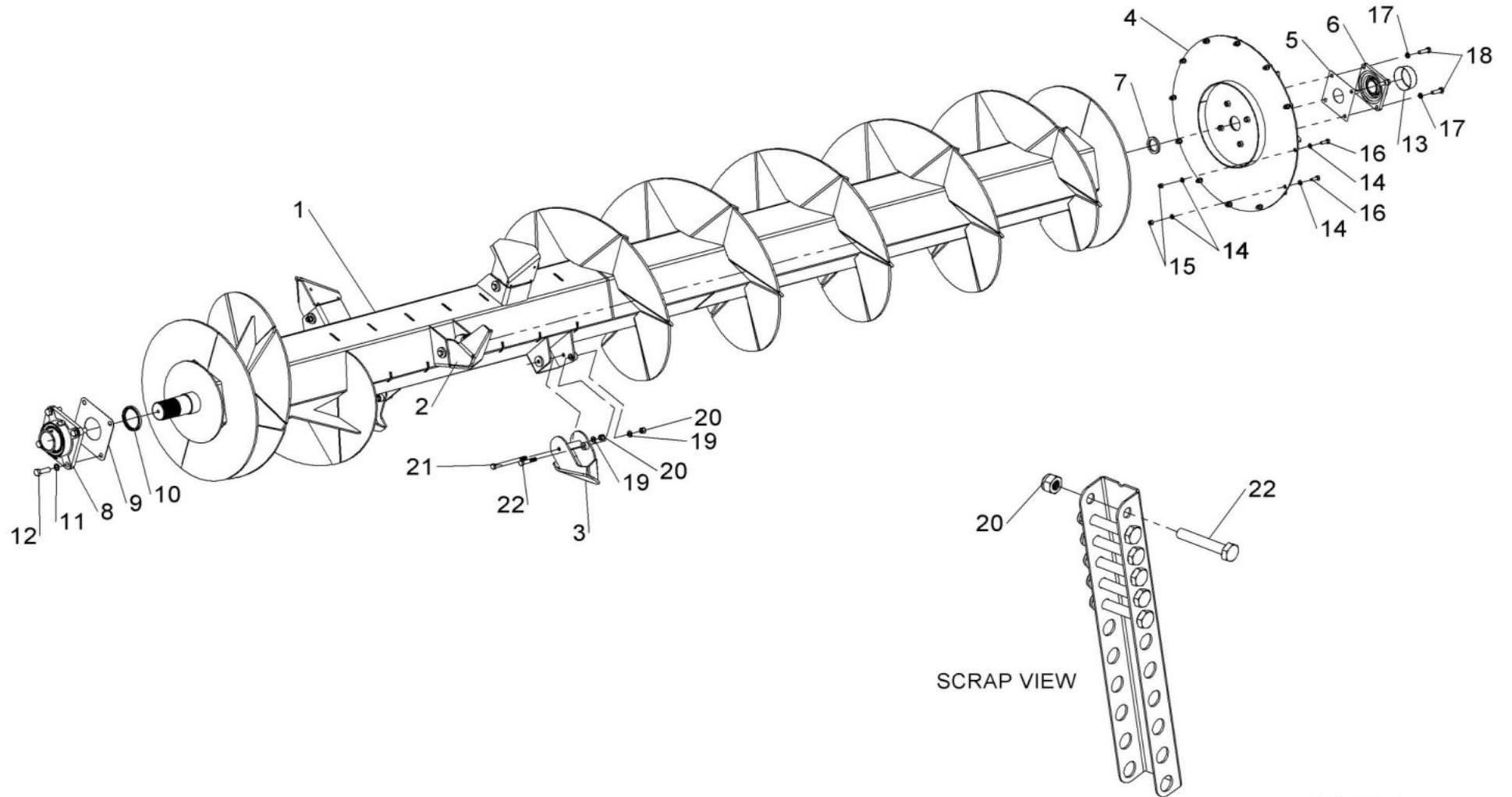
609905 01
609905 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609049 01 | | | | ASSY DESCRIPTION: AUGER & AUGER FIXING KIT | | | |
|------------------------|-----------|-----------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591209 01 | 2400 GALLON AUGER W/ASSY | 1 | | | | |
| 2 | 591224 01 | LH DISCHARGE PADDLE W/ASSY | 3 | | | | |
| 3 | 591224 02 | RH DISCHARGE PADDLE W/ASSY | 3 | | | | |
| 4 | 591233 01 | AUGER MOUNTING PLATE W/ASSY | 1 | | | | |
| 5 | 590615 01 | SPACING DISC | 1 | | | | |
| 6 | BRG-26040 | SUPPORT | 1 | | | | |
| 7 | SEAF06000 | SHAFT SEAL | 1 | | | | |
| 8 | BRG-29040 | BEARING | 1 | | | | |
| 9 | 591702 01 | BEARING SPACER | 1 | | | | |
| 10 | SEAB10000 | RADIAL SHAFT SEAL | 1 | | | | |
| 11 | WSH-0075 | SPRING WASHER | 4 | | | | |
| 12 | HSSA20410 | HEX HEAD SET SCREW | 4 | | | | |
| 13 | BRG-96000 | SELF LUBE PROTECTOR CAP | 1 | | | | |
| 14 | WSH-0018 | PLAIN WASHER | 24 | | | | |
| 15 | NUT-0269 | NUT | 12 | | | | |
| 16 | HSS-0241 | BOLT | 12 | | | | |
| 17 | WSH-0070 | SPRING WASHER | 4 | | | | |
| 18 | HSS-0318 | SETSCREW | 4 | | | | |
| 19 | WSH-0024 | PLAIN WASHER | 12 | | | | |
| 20 | NUT-0271 | NYLOC NUT | 18 | | | | |
| 21 | SCCA16832 | SOC HEAD SCREW | 6 | | | | |
| 22 | SCCA16533 | SOC HEAD SCREW | 12 | | | | |

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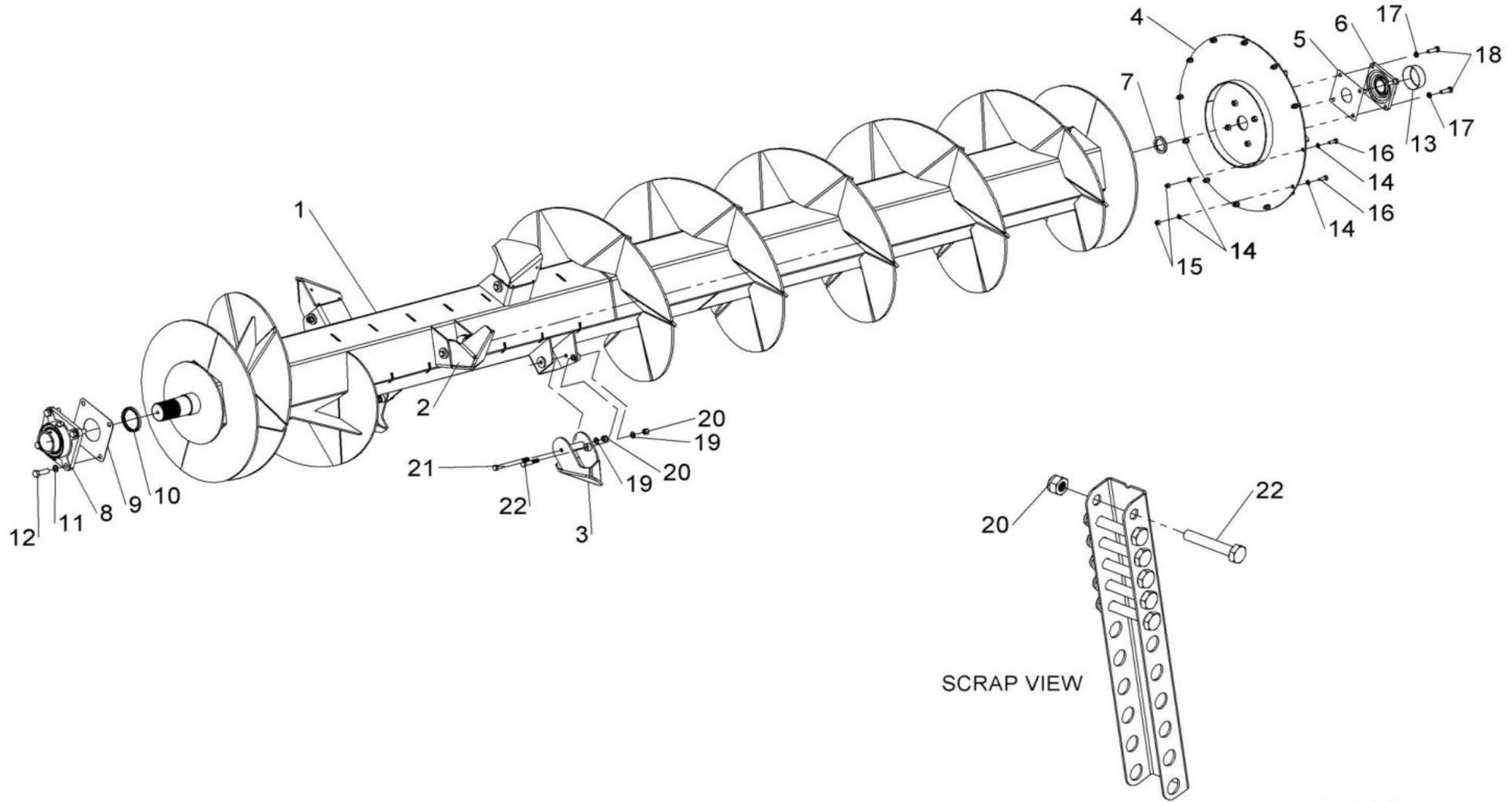
609049 01
609049 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609049 02 | | | | ASSY DESCRIPTION: AUGER & AUGER FIXING KIT | | | |
|------------------------|-----------|-----------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591516 01 | 1800 GALLON AUGER W/A | 1 | | | | |
| 2 | 591224 01 | LH DISCHARGE PADDLE W/ASSY | 3 | | | | |
| 3 | 591224 02 | RH DISCHARGE PADDLE W/ASSY | 3 | | | | |
| 4 | 591233 01 | AUGER MOUNTING PLATE W/ASSY | 1 | | | | |
| 5 | 590615 01 | SPACING DISC | 1 | | | | |
| 6 | BRG-26040 | SUPPORT | 1 | | | | |
| 7 | SEAF06000 | SHAFT SEAL | 1 | | | | |
| 8 | BRG-29040 | BEARING | 1 | | | | |
| 9 | 591702 01 | BEARING SPACER | 1 | | | | |
| 10 | SEAB10000 | RADIAL SHAFT SEAL | 1 | | | | |
| 11 | WSH-0075 | SPRING WASHER | 4 | | | | |
| 12 | HSSA20410 | HEX HEAD SET SCREW | 4 | | | | |
| 13 | BRG-96000 | SELF LUBE PROTECTOR CAP | 1 | | | | |
| 14 | WSH-0018 | PLAIN WASHER | 24 | | | | |
| 15 | NUT-0269 | NUT | 12 | | | | |
| 16 | HSS-0241 | BOLT | 12 | | | | |
| 17 | WSH-0070 | SPRING WASHER | 4 | | | | |
| 18 | HSS-0318 | SETSCREW | 4 | | | | |
| 19 | WSH-0024 | PLAIN WASHER | 12 | | | | |
| 20 | NUT-0271 | NYLOC NUT | 18 | | | | |
| 21 | SCCA16832 | SOC HD SCREW | 6 | | | | |
| 22 | SCCA16533 | SOC HD SCREW | 12 | | | | |

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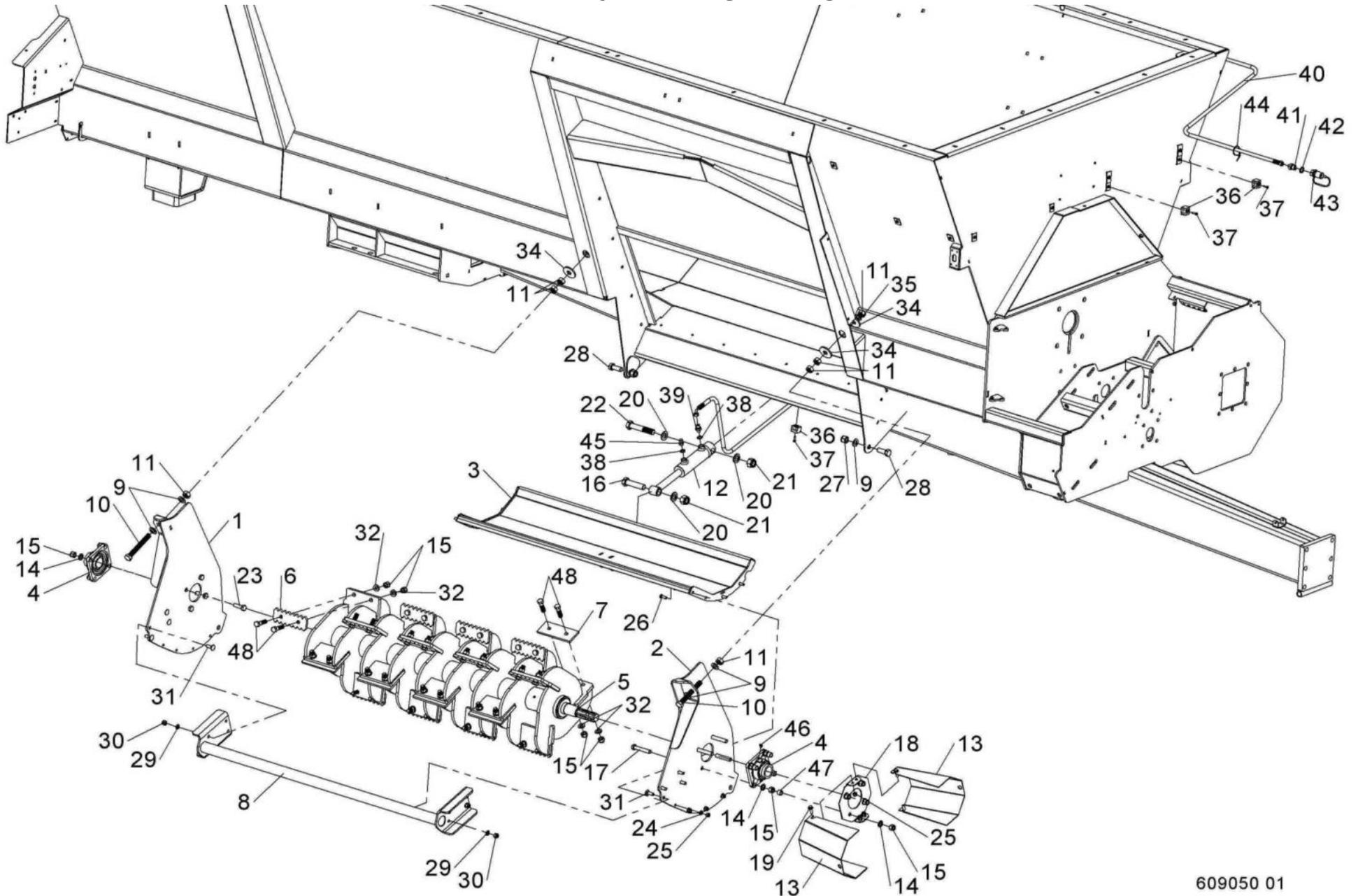
609049 01
609049 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609050 01 | | | | ASSY DESCRIPTION: IMPELLER SUB ASSY | | | |
|------------------------|-----------|-------------------------------|-----|-------------------------------------|-----------|------------------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591457 01 | LH IMPELLER SIDE PLATE W/ASSY | 1 | 41 | HMA-0055 | ADAPTOR MALE/MALE | 1 |
| 2 | 591457 02 | RH IMPELLER SIDE PLATE W/ASSY | 1 | 42 | WSH-1015 | DOWTY WASHER 1/2" | 1 |
| 3 | 591167 01 | DRIP TRAY W/ASSY | 1 | 43 | COU-0162 | QUICK RELEASE COUPLING | 1 |
| 4 | BRG-25040 | BEARING | 2 | 44 | TIE-0004 | TIE WRAPS (MED) | 8 |
| 5 | 591953 01 | IMPELLER W/A | 1 | 45 | FIT-0218 | G/B BREATHER | 1 |
| 6 | 591366 01 | SERRATED IMPELLER BLADE | 16 | 46 | NIP-0050 | 1/4" BSF 45 NIPPLE | 1 |
| 7 | 591367 01 | PLAIN IMPELLER BLADE | 8 | 47 | 591393 01 | SPACER | 4 |
| 8 | 591456 01 | GUARD RAIL W/ASSY | 1 | 48 | BLT-2312 | BOLT | 48 |
| 9 | WSH-0030 | PLAIN WASHER | 6 | | | | |
| 10 | HSSA20740 | HEX HEAD SETSCREW | 2 | | | | |
| 11 | NUT-0185 | PLAIN NUT | 8 | | | | |
| 12 | RAM-0015 | HYDRAULIC RAM | 1 | | | | |
| 13 | 591454 01 | PTO GUARD | 2 | | | | |
| 14 | WSH-0024 | PLAIN WASHER | 12 | | | | |
| 15 | NUT-0271 | NYLOC NUT | 60 | | | | |
| 16 | BLTA24560 | HEX HEAD BOLT | 1 | | | | |
| 17 | HSS-0330 | SETSCREW | 4 | | | | |
| 18 | 591452 01 | GUARD FIXING PLATE /WASSY | 1 | | | | |
| 19 | HSSG10204 | SETSCREW | 4 | | | | |
| 20 | WSH-0036 | PLAIN WASHER FORM A | 3 | | | | |
| 21 | NUT-0275 | NYLOC NUT | 2 | | | | |
| 22 | BLTA24650 | HEX HEAD BOLT | 1 | | | | |
| 23 | HSS-0318 | SET SCREW | 4 | | | | |
| 24 | WSH-0015 | PLAIN WASHER | 8 | | | | |
| 25 | NUT-0265 | NYLOC NUT | 12 | | | | |
| 26 | BLT-3750 | BOLT | 8 | | | | |
| 27 | NUTA02200 | NYLOC NUT | 2 | | | | |
| 28 | HSS-0355 | SETSCREW | 2 | | | | |
| 29 | WSH-0018 | PLAIN WASHER | 8 | | | | |
| 30 | NUT-0269 | NUT | 8 | | | | |
| 31 | BLTF12233 | COACHBOLT | 8 | | | | |
| 32 | WSHA30161 | WASHER | 48 | | | | |
| 33 | | | | | | | |
| 34 | 190548 83 | WASHER | 4 | | | | |
| 35 | WSH-0075 | SPRING WASHER | 2 | | | | |
| 36 | HCPD01200 | HYD.PIPE CLAMP | 7 | | | | |
| 37 | SCW-0083 | CAP HEAD SCREW | 7 | | | | |
| 38 | WSH-1010 | DOWTY WASHER 3/8" | 2 | | | | |
| 39 | FIT-0025 | 1/4"BSP X 3/8"BSP | 1 | | | | |
| 40 | HHBC82505 | HYD HOSE ASSEMBLY | 1 | | | | |

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609050 01



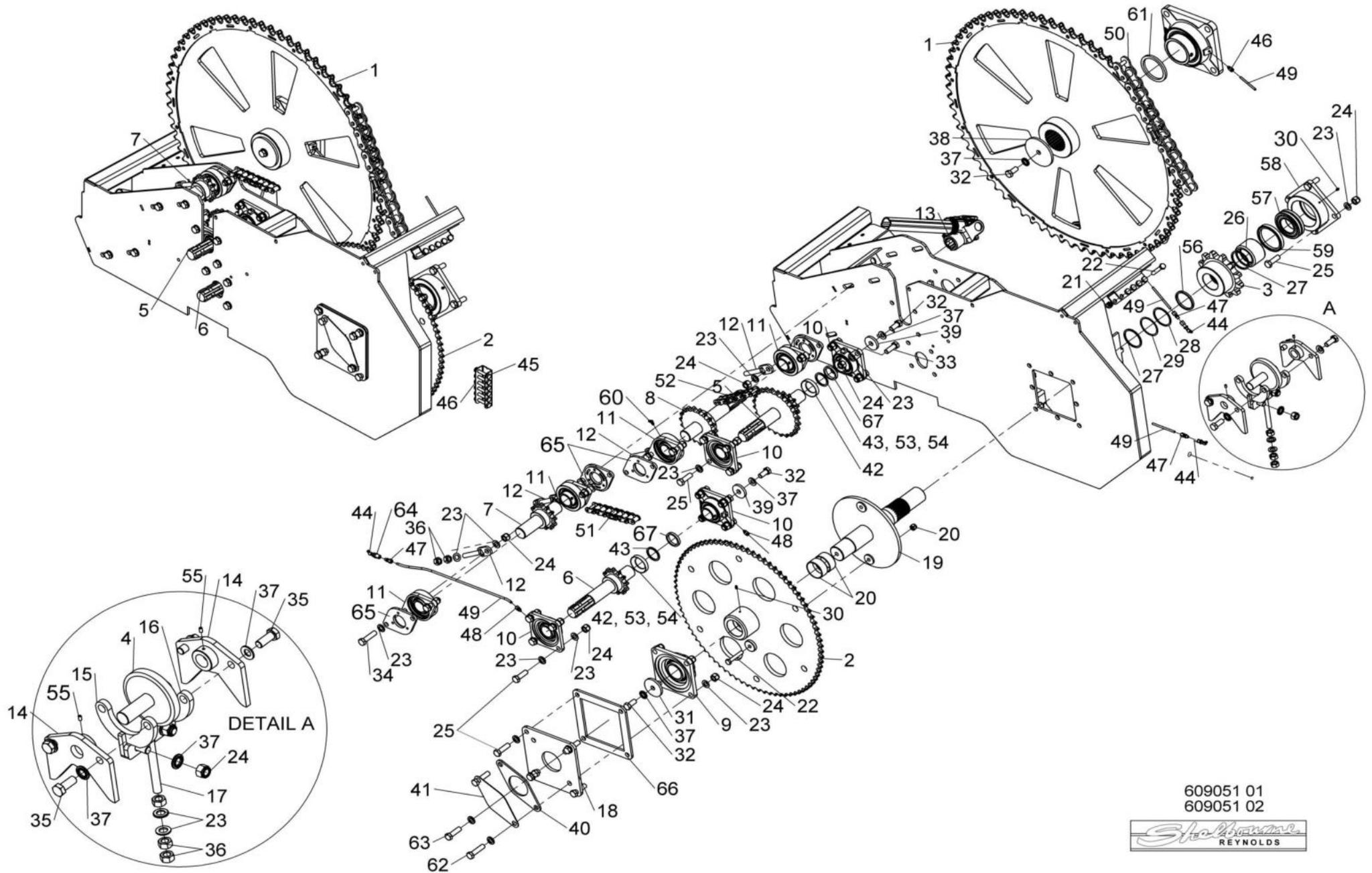
Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609051 01 | | | | ASSY DESCRIPTION: DRIVES SUB ASSY (2400-3200) | | | |
|------------------------|-------------|--------------------------------|-----|---|-----------|--------------------------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591238 01 | 73T SPROCKET W/ASSY | 1 | 33 | HSS-0317 | SET SCREW | 8 |
| 2 | 591248 01 | 83T 1" PITCH SHEARBOLT SPROCKE | 1 | 34 | HSS-0320 | HEX HEAD SETSCREW | 4 |
| 3 | 591246 01 | 12T x 1 3/4" SPROCKET | 1 | 35 | HSS-0316 | SETSCREW | 4 |
| 4 | 591264 01 | TENSIONER W/ASSY | 1 | 36 | NUT-0180 | PLAIN NUT PLATED | 11 |
| 5 | 591254 01 | INPUT SHAFT W/ASSY | 1 | 37 | WSHA30161 | WASHER | 10 |
| 6 | 591253 01 | REVERSER SHAFT W/ASSY | 1 | 38 | 590491 01 | PIVOT BAR DISC | 1 |
| 7 | 591191 01 | TENSIONER SHAFT W/ASSY | 1 | 39 | 190548 90 | WASHER | 2 |
| 8 | 591259 01 | IMPELLER SHAFT W/ASSY | 1 | 40 | 591368 01 | SPACER PLATE | 1 |
| 9 | BRG-26040 | SUPPORT | 1 | 41 | 591370 01 | COVER PLATE | 1 |
| 10 | BRG-24541 | SUPPORT | 4 | 42 | 591371 01 | SPACER | 2 |
| 11 | BRG-24542 | SUPPORT | 4 | 43 | 190548 89 | WASHER | 2 |
| 12 | 592033 01 | STUD ADJUSTER W/ASSY | 4 | 44 | LUB-00036 | BULKHEAD ADAPTOR | 3 |
| | | SER NO PSP24160??? & ON | | 45 | BLTA10380 | SHEARBOLT | 7 |
| | 591265 01 | STUD ADJUSTER W/ASSY | 4 | | | SER No PSP--120258 & ON) | |
| | | UP TO & INC PSP24150498 | | OR | BLTA10384 | SHEARBOLT | 7 |
| 13 | PTO-29019WE | IMPELLER PTO SHAFT (WEAS) | 1 | | | UPTO & INC SER No PSP--120239 | |
| | | SER NO PSP24150458 & ON | | 46 | NUT-0265 | NYLOC NUT | 7 |
| OR | PTO-29019 | IMPELLAR PTO SHAFT (WALT) | 1 | 47 | LUB-00045 | 1/8"BSP STRAIGHT ADAPTOR | 3 |
| | | PSP24130330 TO PSP24140433 | | 48 | LUB-00046 | 1/4"UNF STRAIGHT ADAPTOR | 3 |
| OR | PTO-29016 | IMPELLAR PTO SHAFT | 1 | 49 | LUB-00044 | 6mm POLYAMIDE TUBE | 2.2 |
| | | UPTO & INC SER No PSP24120239 | | 50 | CHN-04486 | CHAIN 1 3/4" PITCH ANSI SINGLE | 1 |
| 14 | 590905 01 | DUMMY BEARING W/A | 2 | | | SER No PSP...0225 & ON | |
| 15 | 591275 01 | LH BEARING MTG PLT W/ASSY | 1 | OR | CHN-04485 | CHAIN (1 3/4" 84LINKS) | 1 |
| 16 | 591275 02 | RH BEARING MTG PLT W/ASSY | 1 | | | UPTO & INC SER No PSP...0215 | |
| 17 | 591273 01 | ADJUSTER W/ASSY | 1 | 51 | CHN-02590 | CHAIN 1" PITCH SINGLE STRAND | 1 |
| 18 | 591332 01 | BEARING MOUNTING PLATE | 1 | 52 | CHN-02595 | CHAIN 1" PITCH SINGLE STRAND | 1 |
| 19 | 591243 01 | SHEARBOLT HUB DRIVE SHAFT W/A | 1 | 53 | 190548 88 | WASHER | 2 |
| 20 | 591476 01 | GLACIER BUSH (MODIFIED) | 2 | 54 | 190548 92 | WASHER | 2 |
| 21 | NUT-0269 | NUT | 6 | 55 | SCW-4530 | GRUBSCREW | 2 |
| 22 | BLTA12440 | HEX.HEAD BOLT | 6 | 56 | 198800 01 | WASHER | 1 |
| 23 | WSH-0024 | PLAIN WASHER FORM A | 66 | 57 | BRG-16085 | SPHERICAL ROLLER BEARING | 1 |
| 24 | NUT-0271 | NYLOC NUT | 38 | 58 | 591590 01 | BEARING HOUSING W/A | 1 |
| 25 | HSS-0318 | SET SCREW | 12 | 59 | SEAB09020 | SHAFT SEAL | 1 |
| 26 | 591591 01 | SPACER TUBE | 1 | 60 | NIP-0050 | 1/4" BSF 45 NIPPLE | 1 |
| 27 | 190548 86 | WASHER | 2 | 61 | 198800 28 | WASHER | 1 |
| 28 | 190548 85 | WASHER | 1 | 62 | HSS-0322 | HEX HEAD SETSCREW | 6 |
| 29 | 190548 84 | WASHER | 1 | 63 | HSS-0319 | SET SCREW | 10 |
| 30 | NIP-00600 | GREASE NIPPLE | 2 | 64 | 190119 52 | WASHER | 1 |
| 31 | 190548 87 | WASHER | 1 | 65 | 592036 01 | BEARING SUPPORT PLATE W/A | 4 |
| 32 | HSS-0315 | SET SCREW | 4 | | | (SER NO PSP24160??? & ON) | |

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| ASSY NUMBER: 609051 01 | | | | ASSY DESCRIPTION: DRIVES SUB ASSY (24 00-3200) | | | |
|------------------------|-----------|--------------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 66 | 592189 01 | BEARING MTG PLATE | 1 | | | | |
| 67 | 198800 57 | WASHER (46 ID x 56 OD x 8 THK) | 2 | | | | |

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609051 01
609051 02



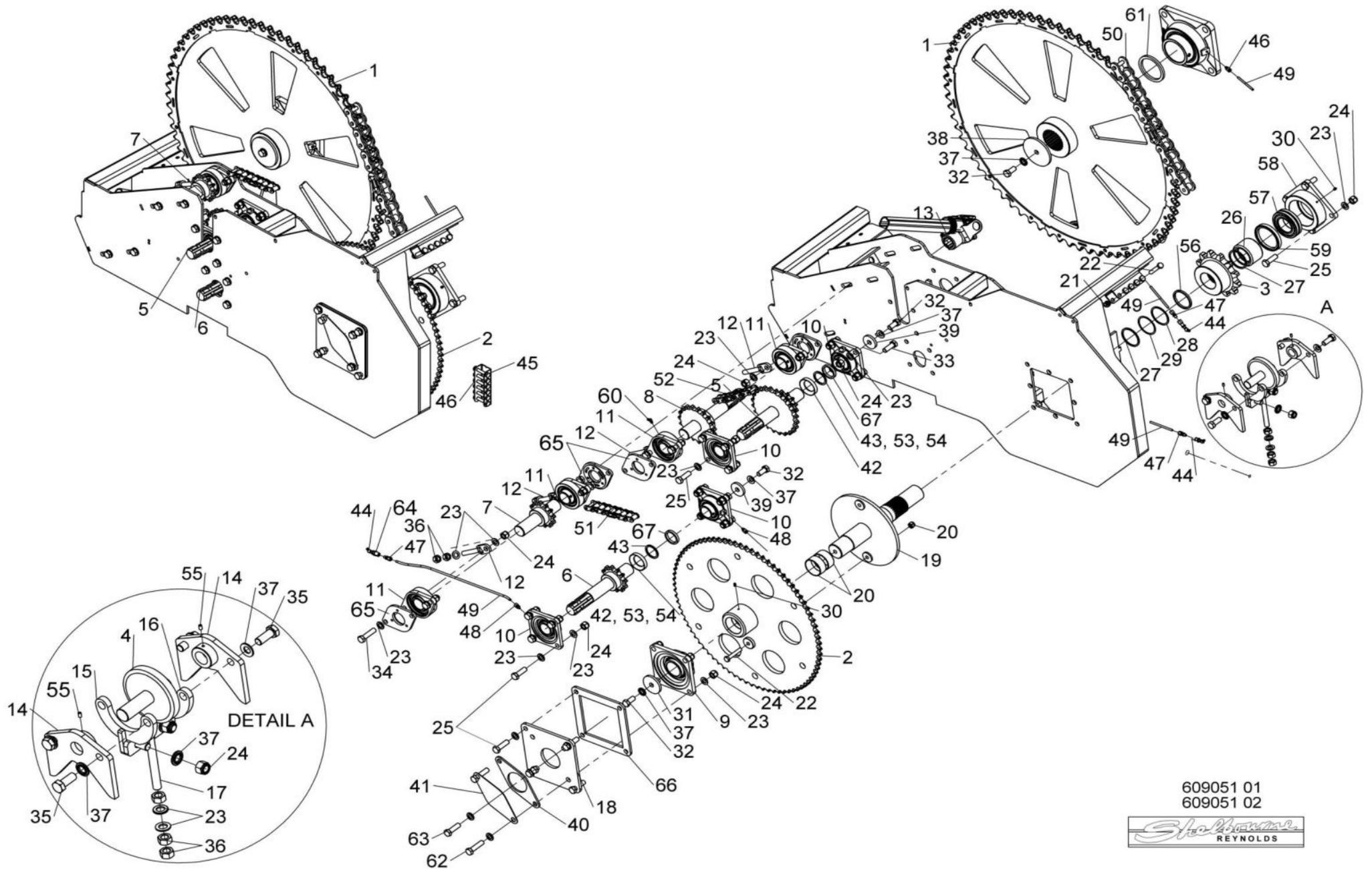
Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609051 02 | | | | ASSY DESCRIPTION: DRIVES SUB ASSY (1800-2300) | | | |
|------------------------|-------------|--------------------------------|-----|---|-----------|--------------------------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591238 01 | 73T SPROCKET W/ASSY | 1 | 33 | HSS-0317 | SET SCREW | 8 |
| 2 | 591248 01 | 83T 1" PITCH SHEARBOLT SPROCKE | 1 | 34 | HSS-0320 | HEX HEAD SETSCREW | 4 |
| 3 | 591246 01 | 12T x 1 3/4" SPROCKET | 1 | 35 | HSS-0316 | SETSCREW | 4 |
| 4 | 591264 01 | TENSIONER W/ASSY | 1 | 36 | NUT-0180 | PLAIN NUT PLATED | 11 |
| 5 | 591254 01 | INPUT SHAFT W/ASSY | 1 | 37 | WSHA30161 | WASHER | 10 |
| 6 | 591253 01 | REVERSER SHAFT W/ASSY | 1 | 38 | 590491 01 | PIVOT BAR DISC | 1 |
| 7 | 591191 01 | TENSIONER SHAFT W/ASSY | 1 | 39 | 190548 90 | WASHER | 2 |
| 8 | 591259 01 | IMPELLER SHAFT W/ASSY | 1 | 40 | 591368 01 | SPACER PLATE | 1 |
| 9 | BRG-26040 | SUPPORT | 1 | 41 | 591370 01 | COVER PLATE | 1 |
| 10 | BRG-24541 | SUPPORT | 4 | 42 | 591371 01 | SPACER | 2 |
| 11 | BRG-24542 | SUPPORT | 4 | 43 | 190548 89 | WASHER | 2 |
| 12 | 592033 01 | STUD ADJUSTER W/ASSY | 4 | 44 | LUB-00036 | BULKHEAD ADAPTOR | 3 |
| | | SER NO PSP24160??? & ON | | 45 | BLTA10380 | SHEARBOLT | 7 |
| | 591265 01 | STUD ADJUSTER W/ASSY | 4 | | | SER No PSP--120258 & ON) | |
| | | UP TO & INC PSP24150498 | | OR | BLTA10384 | SHEARBOLT | 7 |
| 13 | PTO-29020WE | IMPELLER PTO SHAFT (WEAS) | 1 | | | UPTO & INC SER No PSP--120239 | |
| | | SER NO PSP18140420 & ON | | 46 | NUT-0265 | NYLOC NUT | 7 |
| OR | PTO-29020 | IMPELLAR PTO SHAFT (WALT) | 1 | 47 | LUB-00045 | 1/8"BSP STRAIGHT ADAPTOR | 3 |
| | | PSP18120358 TO PSP18140401 | | 48 | LUB-00046 | 1/4"UNF STRAIGHT ADAPTOR | 3 |
| OR | PTO-29018 | IMPELLAR PTO SHAFT | 1 | 49 | LUB-00044 | 6mm POLYAMIDE TUBE | 2.2 |
| | | UPTO & INC SER No PSP18120248 | | 50 | CHN-04486 | CHAIN 1 3/4" PITCH ANSI SINGLE | 1 |
| 14 | 590905 01 | DUMMY BEARING W/A | 2 | | | SER No PSP...0225 & ON | |
| 15 | 591275 01 | LH BEARING MTG PLT W/ASSY | 1 | OR | CHN-04485 | CHAIN (1 3/4" 84LINKS) | 1 |
| 16 | 591275 02 | RH BEARING MTG PLT W/ASSY | 1 | | | UPTO & INC SER No PSP...0215 | |
| 17 | 591273 01 | ADJUSTER W/ASSY | 1 | 51 | CHN-02590 | CHAIN 1" PITCH SINGLE STRAND | 1 |
| 18 | 591332 01 | BEARING MOUNTING PLATE | 1 | 52 | CHN-02595 | CHAIN 1" PITCH SINGLE STRAND | 1 |
| 19 | 591243 01 | SHEARBOLT HUB DRIVE SHAFT W/A | 1 | 53 | 190548 88 | WASHER | 2 |
| 20 | 591476 01 | GLACIER BUSH (MODIFIED) | 2 | 54 | 190548 92 | WASHER | 2 |
| 21 | NUT-0269 | NUT | 6 | 55 | SCW-4530 | GRUBSCREW | 2 |
| 22 | BLTA12440 | HEX.HEAD BOLT | 6 | 56 | 198800 01 | WASHER | 1 |
| 23 | WSH-0024 | PLAIN WASHER FORM A | 66 | 57 | BRG-16085 | SPHERICAL ROLLER BEARING | 1 |
| 24 | NUT-0271 | NYLOC NUT | 38 | 58 | 591590 01 | BEARING HOUSING W/A | 1 |
| 25 | HSS-0318 | SET SCREW | 12 | 59 | SEAB09020 | SHAFT SEAL | 1 |
| 26 | 591591 01 | SPACER TUBE | 1 | 60 | NIP-0050 | 1/4" BSF 45 NIPPLE | 1 |
| 27 | 190548 86 | WASHER | 2 | 61 | 198800 28 | WASHER | 1 |
| 28 | 190548 85 | WASHER | 1 | 62 | HSS-0322 | HEX HEAD SETSCREW | 6 |
| 29 | 190548 84 | WASHER | 1 | 63 | HSS-0319 | SET SCREW | 10 |
| 30 | NIP-00600 | GREASE NIPPLE | 2 | 64 | 190119 52 | WASHER | 1 |
| 31 | 190548 87 | WASHER | 1 | 65 | 592036 01 | BEARING SUPPORT PLATE W/A | 4 |
| 32 | HSS-0315 | SET SCREW | 4 | | | (SER NO PSP24160??? & ON) | |

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| ASSY NUMBER: 609051 02 | | | | ASSY DESCRIPTION: DRIVES SUB ASSY (1800-2300) | | | |
|------------------------|-----------|--------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 66 | 592189 01 | BEARING MTG PLATE | 1 | | | | |
| 67 | 198800 57 | WASHER (46 ID x 56 OD x 8 THK) | 2 | | | | |

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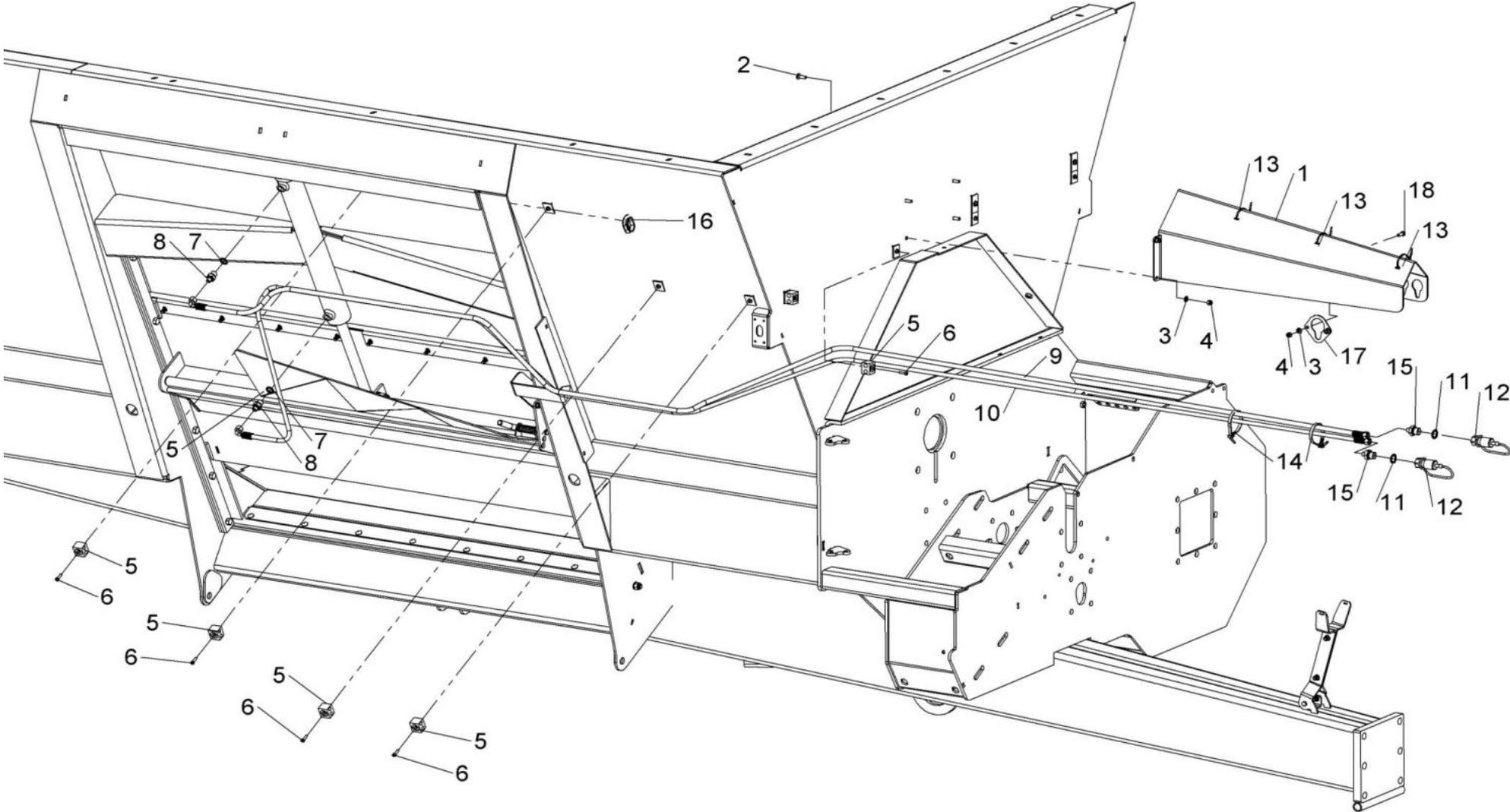
609051 01
609051 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609052 01 | | | | ASSY DESCRIPTION: DOOR HYDRAULICS SUB ASSY | | | |
|------------------------|-----------|------------------------|------|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591455 01 | HOSE PARKING STATION | 1 | | | | |
| 2 | BLTF08173 | COACH BOLT | 4 | | | | |
| 3 | WSH-0012 | PLAIN WASHER | 6 | | | | |
| 4 | NUT-0263 | NYLOC NUT | 6 | | | | |
| 5 | HCPD01200 | HYD.PIPE CLAMP | 6 | | | | |
| 6 | SCW-0083 | CAP HEAD SCREW | 6 | | | | |
| 7 | WSH-1010 | DOWTY WASHER | 2 | | | | |
| 8 | FIT-0025 | M/M ADAPTOR | 2 | | | | |
| 9 | HHBC60005 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 10 | HHBC65005 | HYD HOSE ASSY | 1 | | | | |
| 11 | WSH-1015 | DOWTY WASHER | 2 | | | | |
| 12 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 13 | TIE-0004 | TIE WRAPS (MED) | 8 | | | | |
| 14 | TIE-0012 | TIE WRAPS (EX.LARGE) | 4 | | | | |
| 15 | HMA-0055 | M/M ADAPTOR | 2 | | | | |
| 16 | EDS-11400 | PVC EDGING STRIP | 0.25 | | | | |
| 17 | 591891 01 | HOSE STORAGE PLATE | 1 | | | | |
| 18 | HSS-0140 | SETSCREW | 2 | | | | |

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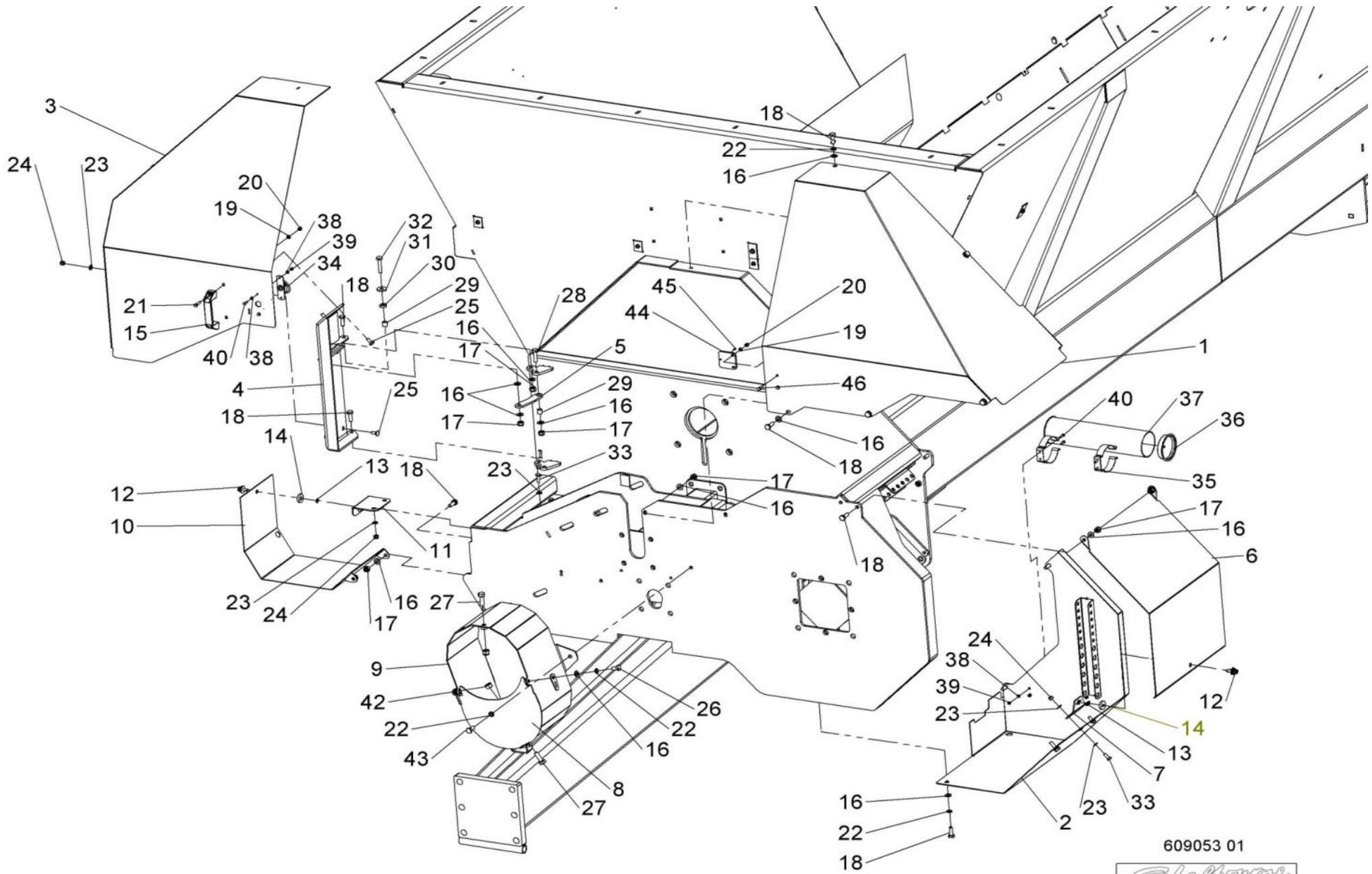
609052 01



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609053 01 | | | | ASSY DESCRIPTION: GUARDS SUB ASSY | | | |
|------------------------|-----------|------------------------|-----|-----------------------------------|-----------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591277 01 | LH TOP GUARD | 1 | 42 | NUT-0269 | NUT | 2 |
| 2 | 591447 01 | LOWER LH GUARD W/A | 1 | 43 | HSS-0191 | SET SCREW | 2 |
| 3 | 591699 01 | RH TOP GUARD W/ASSY | 1 | 44 | 591796 01 | LATCH PLATE | 1 |
| 4 | 591442 01 | HINGE BRKT W/A | 1 | 45 | PIN-40505 | ROLL PIN | 1 |
| 5 | 591286 01 | STAY LINK PLATE | 1 | 46 | HSS-0086 | SET SCREW | 2 |
| 6 | 591444 01 | LH GUARD | 1 | | | | |
| 7 | 591446 01 | LOCKING BRKT W/A | 1 | | | | |
| 8 | 591449 01 | LID W/A | 1 | | | | |
| 9 | 591295 01 | FRONT DRIVE GUARD | 1 | | | | |
| 10 | 591299 01 | IMPRLLER PTO GUARD | 1 | | | | |
| 11 | 591303 01 | FASTNER PLATE W/A | 1 | | | | |
| 12 | LTC-0010 | HEX,HEAD RELEASE,STEEL | 2 | | | | |
| 13 | LTC-0012 | RETAINING WASHER | 2 | | | | |
| 14 | 590776 01 | FASTENER SPACER | 2 | | | | |
| 15 | HND-0000 | BLACK PLASTIC HANDLE | 1 | | | | |
| 16 | WSH-0015 | PLAIN WASHER | 22 | | | | |
| 17 | NUT-0265 | NYLOC NUT | 10 | | | | |
| 18 | HSS-0194 | BOLT | 16 | | | | |
| 19 | WSH-0009 | PLAIN WASHER FORM A | 4 | | | | |
| 20 | NUT-0260 | NYLOC NUT | 4 | | | | |
| 21 | HSS-0088 | SET SCREW | 2 | | | | |
| 22 | WSH-0061 | SPRING WASHER | 12 | | | | |
| 23 | WSH-0012 | PLAIN WASHER FORM A | 16 | | | | |
| 24 | NUT-0263 | NYLOC NUT | 12 | | | | |
| 25 | BLT-4710 | COACH BOLT | 8 | | | | |
| 26 | HSS-0188 | SET SCREW | 2 | | | | |
| 27 | HSS-0241 | BOLT | 2 | | | | |
| 28 | HSS-0202 | SET SCREW | 1 | | | | |
| 29 | 590768 04 | HINGE PIVOT TUBE | 2 | | | | |
| 30 | 190119 79 | WASHER (11*22*6) | 1 | | | | |
| 31 | 190119 75 | WASHER 30x11x4 | 1 | | | | |
| 32 | HSS-0210 | SET SCREW | 1 | | | | |
| 33 | HSS-0145 | BOLT | 4 | | | | |
| 34 | LTC-00045 | COMPRESSION LATCH | 1 | | | | |
| 35 | 21725019 | SPRING CLIP | 2 | | | | |
| 36 | 21709163 | PLASTIC END CAP | 2 | | | | |
| 37 | 39800004 | MANUAL HOLDER TUBE | 1 | | | | |
| 38 | WSH-0006 | PLAIN WSH FORM A | 8 | | | | |
| 39 | NUT-0258 | NYLOC NUT | 6 | | | | |
| 40 | HSS-0058 | M5 X 16 SET SCREW | 6 | | | | |

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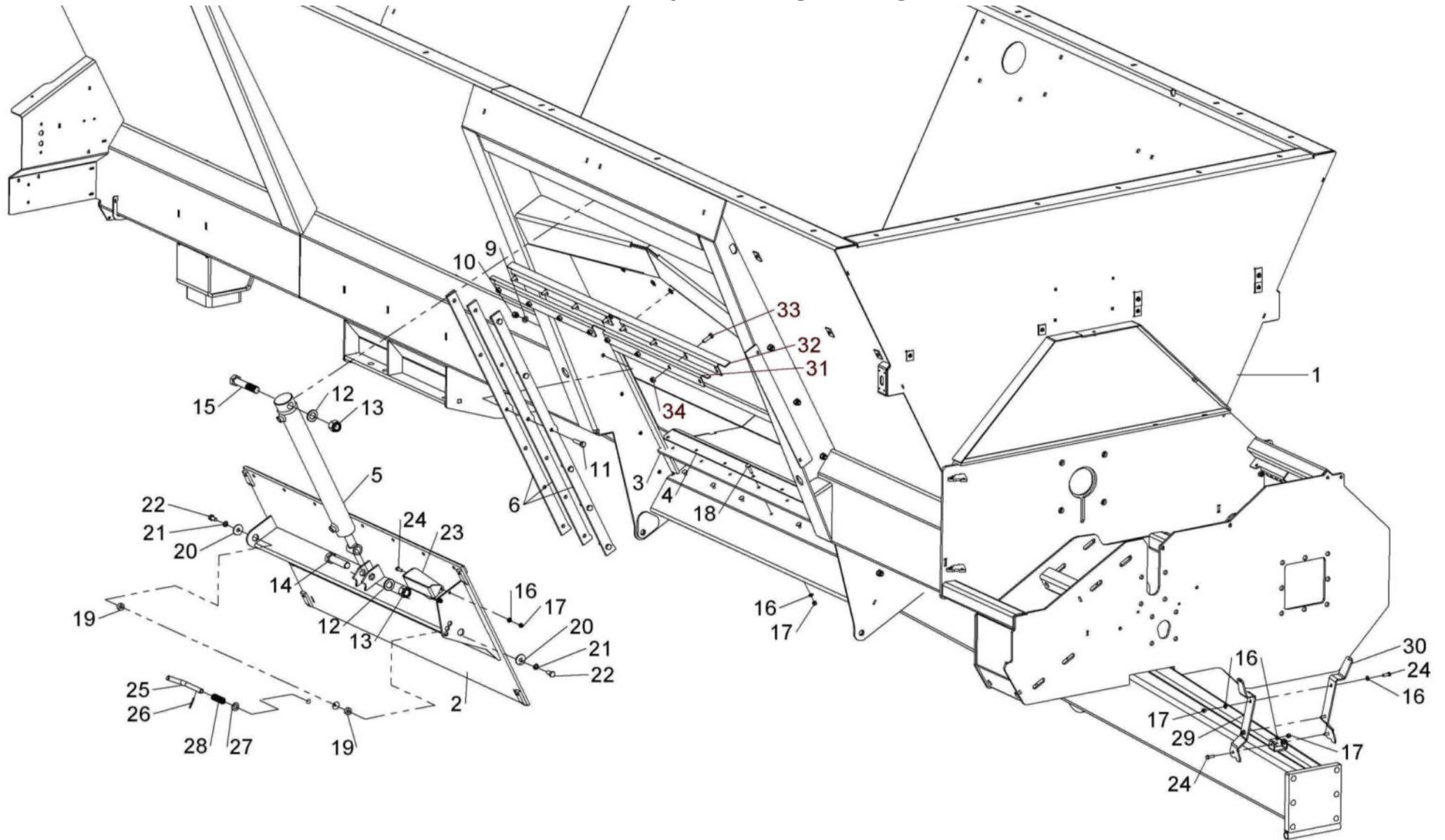
609053 01



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609054 01 | | | | ASSY DESCRIPTION: TUB & DOOR SUB ASSY | | | |
|------------------------|-----------|--------------------------|-----|---------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591403 01 | 2400 GALLON TUB W/ASSY | 1 | | | | |
| 2 | 591177 01 | DOOR W/ASSY | 1 | | | | |
| 3 | 591180 01 | BOTTOM DOOR SEAL | 1 | | | | |
| 4 | 591181 01 | BOTTOM SEAL CLAMP PLATE | 1 | | | | |
| 5 | RAM-0014 | HYDRAULIC RAM | 1 | | | | |
| 6 | 591197 01 | DOOR KEEP PLATE | 6 | | | | |
| 7 | 591199 01 | DEFLECTOR PLATE W/ASSY | 1 | | | | |
| 9 | WSH-0018 | WASHER | 19 | | | | |
| 10 | NUT-0269 | NYLOC NUT | 11 | | | | |
| 11 | HSS-0260 | SET SCREW | 12 | | | | |
| 12 | WSH-0036 | WASHER | 2 | | | | |
| 13 | NUT-0275 | NYLOC NUT | 2 | | | | |
| 14 | BLTA24560 | HEX HEAD BOLT | 1 | | | | |
| 15 | BLTA24650 | HEX HEAD BOLT | 1 | | | | |
| 16 | WSH-0012 | PLAIN WASHER | 16 | | | | |
| 17 | NUT-0263 | NYLOC NUT | 14 | | | | |
| 18 | BLT-2730 | COACHBOLT | 8 | | | | |
| 19 | 190548 81 | WASHER | 2 | | | | |
| 20 | 190548 44 | WASHER (PLATED) | 2 | | | | |
| 21 | WSH-0065 | SPRING WASHER | 2 | | | | |
| 22 | HSS-0235 | SET SCREW | 2 | | | | |
| 23 | 591375 01 | HEIGHT INDICATOR POINTER | 1 | | | | |
| 24 | HSS-0145 | BOLT | 6 | | | | |
| 25 | 591402 01 | LOCKING HANDLE | 1 | | | | |
| 26 | PIN-1775 | ROLL PIN | 1 | | | | |
| 27 | WSH-0024 | WASHER | 1 | | | | |
| 28 | SPGC32021 | COMPRESSION SPRING | 1 | | | | |
| 29 | 591378 01 | PTO STAND LH | 1 | | | | |
| 30 | 591378 02 | PTO STAND RH | 1 | | | | |
| 31 | 591979 01 | CLAMP STRIP | 1 | | | | |
| 32 | 591767 01 | RUBBER SEAL STRIP | 1 | | | | |
| 33 | HSS-0198 | BOLT | 8 | | | | |
| 34 | NUT-0265 | NUT | 8 | | | | |

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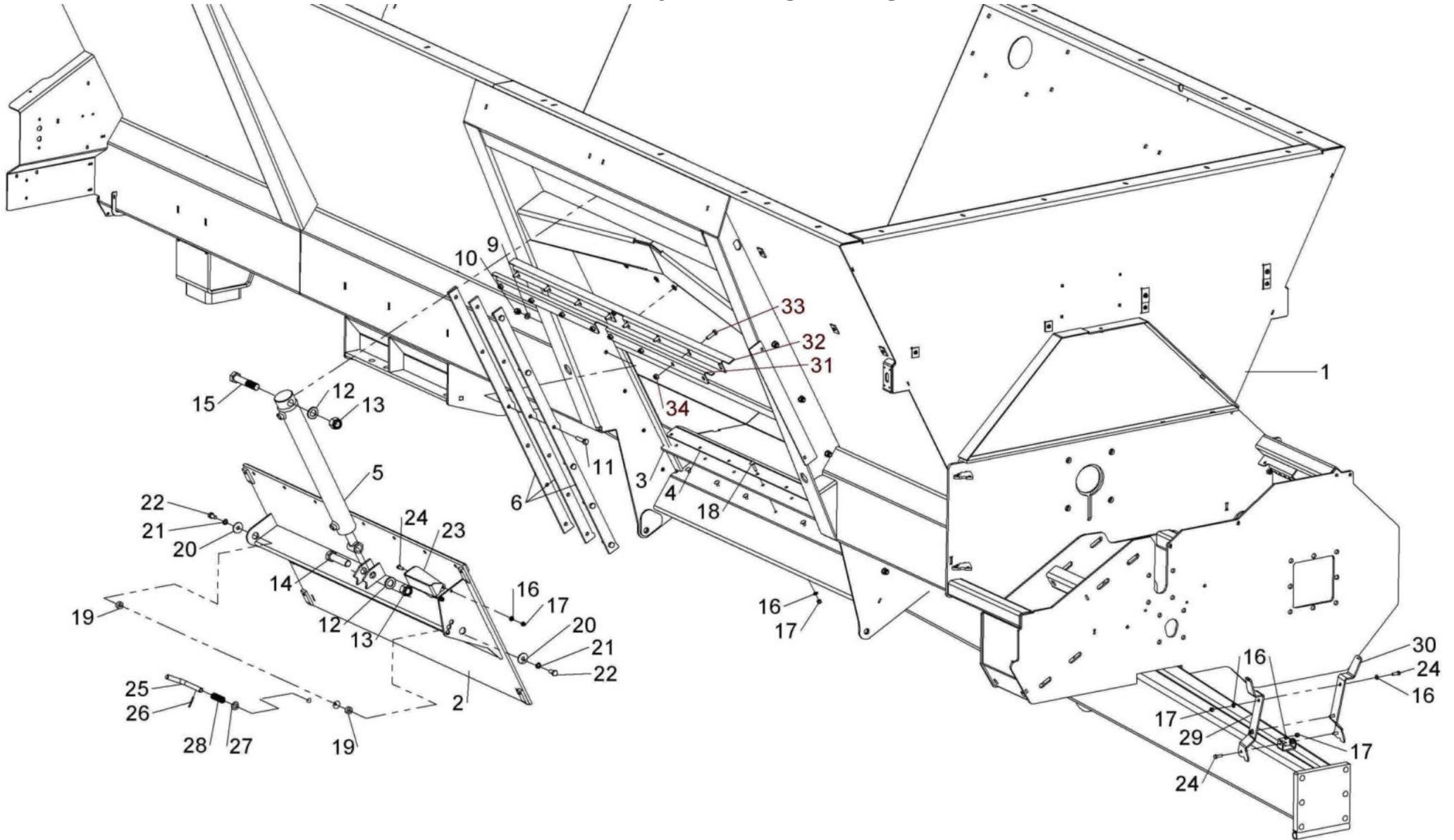
609054 01
609054 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609054 02 | | | | ASSY DESCRIPTION: TUB & DOOR SUB ASSY | | | |
|------------------------|-----------|--------------------------|-----|---------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591508 01 | 1800 GALLON TUB W/ASSY | 1 | | | | |
| 2 | 591177 01 | DOOR W/ASSY | 1 | | | | |
| 3 | 591180 01 | BOTTOM DOOR SEAL | 1 | | | | |
| 4 | 591181 01 | BOTTOM SEAL CLAMP PLATE | 1 | | | | |
| 5 | RAM-0014 | HYDRAULIC RAM | 1 | | | | |
| 6 | 591197 01 | DOOR KEEP PLATE | 6 | | | | |
| 7 | 591199 01 | DEFLECTOR PLATE W/ASSY | 1 | | | | |
| 8 | | | | | | | |
| 9 | WSH-0018 | PLAIN WASHER | 11 | | | | |
| 10 | NUT-0269 | NYLOC NUT | 11 | | | | |
| 11 | HSS-0260 | SET SCREW | 12 | | | | |
| 12 | WSH-0036 | PLAIN WASHER FORM A | 2 | | | | |
| 13 | NUT-0275 | NYLOC NUT | 2 | | | | |
| 14 | BLTA24560 | HEX HEAD BOLT | 1 | | | | |
| 15 | BLTA24650 | HEX HEAD BOLT | 1 | | | | |
| 16 | WSH-0012 | PLAIN WASHER | 10 | | | | |
| 17 | NUT-0263 | NYLOC NUT | 10 | | | | |
| 18 | BLT-2730 | COACHBOLT | 8 | | | | |
| 19 | 190548 81 | WASHER | 2 | | | | |
| 20 | 190548 44 | WASHER (PLATED) | 2 | | | | |
| 21 | WSH-0065 | SPRING WASHER | 2 | | | | |
| 22 | HSS-0235 | SET SCREW | 2 | | | | |
| 23 | 591375 01 | HEIGHT INDICATOR POINTER | 1 | | | | |
| 24 | HSS-0145 | BOLT | 1 | | | | |
| 25 | 591402 01 | LOCKING HANDLE | 2 | | | | |
| 26 | PIN-1775 | ROLL PIN | 1 | | | | |
| 27 | WSH-0024 | PLAIN WASHER FORM A | 1 | | | | |
| 28 | SPGC32021 | COMPRESSION SPRING | 1 | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | 591979 01 | CLAMP STRIP | 1 | | | | |
| 32 | 591767 01 | RUBBER SEAL STRIP | 1 | | | | |
| 33 | HSS-0198 | BOLT | 8 | | | | |
| 34 | NUT-0265 | NUT | 8 | | | | |

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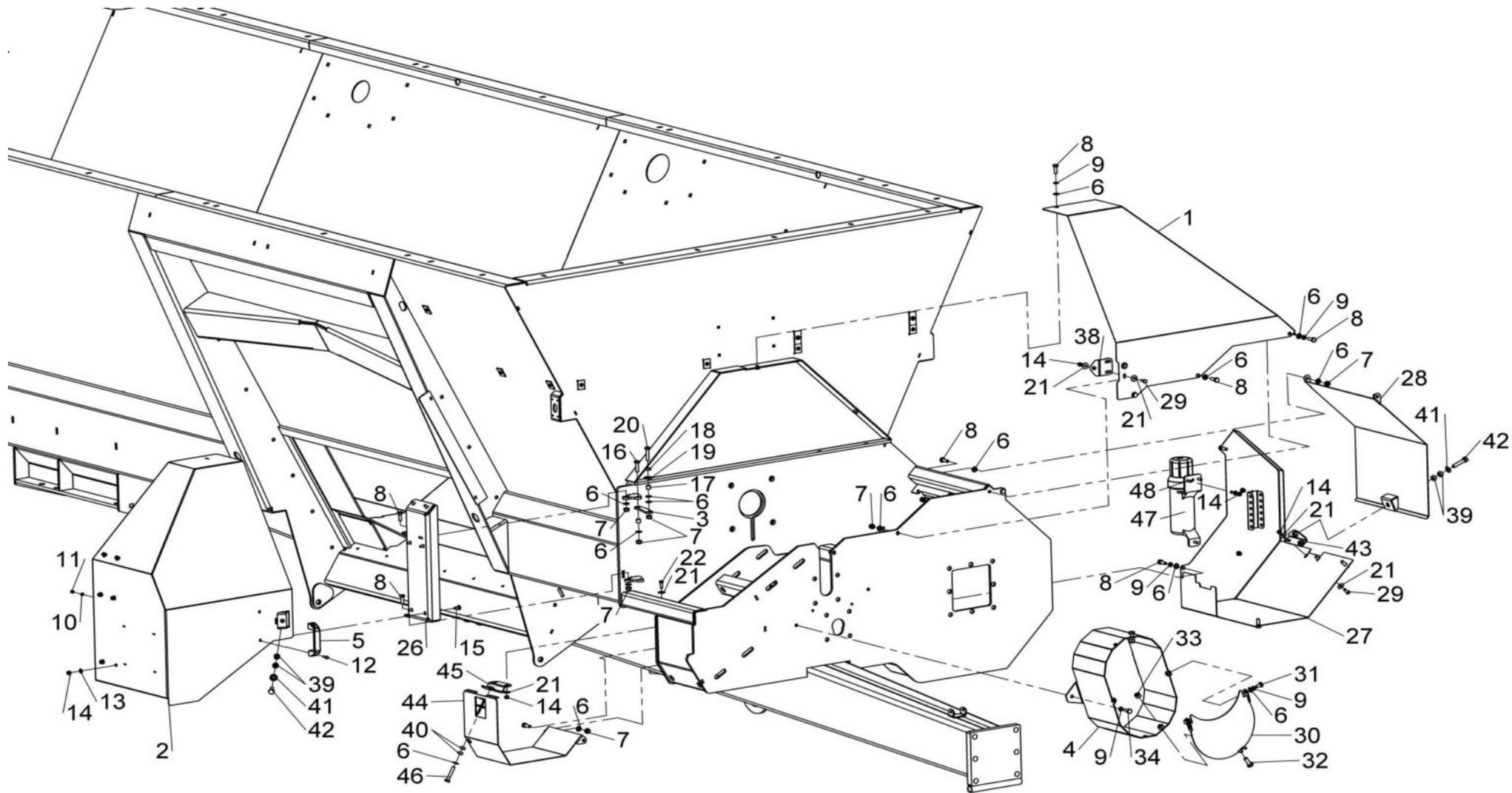


609054 01
609054 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609066 01 | | | | ASSY DESCRIPTION: GUARDS SUB ASSY | | | |
|------------------------|-----------|----------------------|-----|-----------------------------------|-----------|------------------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591865 01 | LH TOP GUARD | 1 | 41 | WSHA30121 | WASHER | 2 |
| 2 | 591854 01 | RH TOP GUARD W/A | 1 | 42 | HSS-0265 | SET SCREW | 2 |
| 3 | 591286 01 | STAY LINK PLATE | 1 | 43 | 591866 01 | FIXING BRKT W/A | 1 |
| 4 | 591295 01 | FRONT DRIVE GUARD | 1 | 44 | 591868 01 | IMPELLER PTO GUARD W/A | 1 |
| 5 | HND-0000 | BLACK PLASTIC HANDLE | 1 | 45 | 591870 01 | FIXING BRKT W/A | 1 |
| 6 | WSH-0015 | PLAIN WASHER | 25 | 46 | HSSA10380 | HEX.HEAD SET SCREW | 1 |
| 7 | NUT-0265 | NYLOC NUT | 10 | 47 | PCN-00100 | MANUAL CANNISTER | 1 |
| 8 | HSS-0194 | BOLT | 16 | 48 | HSS-0145 | SET SCREW | 3 |
| 9 | WSH-0061 | SPRING WASHER | 12 | | | | |
| 10 | WSH-0009 | PLAIN WASHER | 2 | | | | |
| 11 | NUT-0260 | NYLOC NUT | 2 | | | | |
| 12 | HSS-0086 | SET SCREW | 2 | | | | |
| 13 | WSH-0012 | PLAIN WASHER | 9 | | | | |
| 14 | NUT-0263 | NYLOC NUT | 15 | | | | |
| 15 | BLT-4710 | COACH BOLT | 6 | | | | |
| 16 | HSS-0202 | SET SCREW | 1 | | | | |
| 17 | 590768 04 | HINGE PIVOT TUBE | 2 | | | | |
| 18 | 190119 79 | WASHER (11*22*6) | 1 | | | | |
| 19 | 190119 75 | WASHER 30x11x4 | 1 | | | | |
| 20 | HSS-0210 | SET SCREW | 1 | | | | |
| 21 | WSH-1038 | PENNY WASHER | 12 | | | | |
| 22 | HSS-0145 | BOLT | 2 | | | | |
| 23 | PCN-00100 | MANUAL CANNISTER | 1 | | | | |
| 24 | HSS-0145 | SETSCREW (M8x45) | 3 | | | | |
| 25 | | | | | | | |
| 26 | 591442 01 | HINGE BRKT W/A | 1 | | | | |
| 27 | 591447 01 | LOWER LH GUARD W/A | 1 | | | | |
| 28 | 591863 01 | SIDE GUARD W/A | 1 | | | | |
| 29 | HSS-0140 | BOLT | 4 | | | | |
| 30 | 591449 01 | LID W/A | 1 | | | | |
| 31 | HSS-0188 | SET SCREW | 2 | | | | |
| 32 | HSS-0241 | BOLT | 2 | | | | |
| 33 | NUT-0269 | NUT | 2 | | | | |
| 34 | HSS-0191 | SET SCREW | 2 | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | 591858 01 | LOCKING PLATE W/A | 1 | | | | |
| 39 | NUT-0170 | PLAIN NUT M12 | 4 | | | | |
| 40 | NUT-0167 | PLAIN NUT PLATED | 2 | | | | |



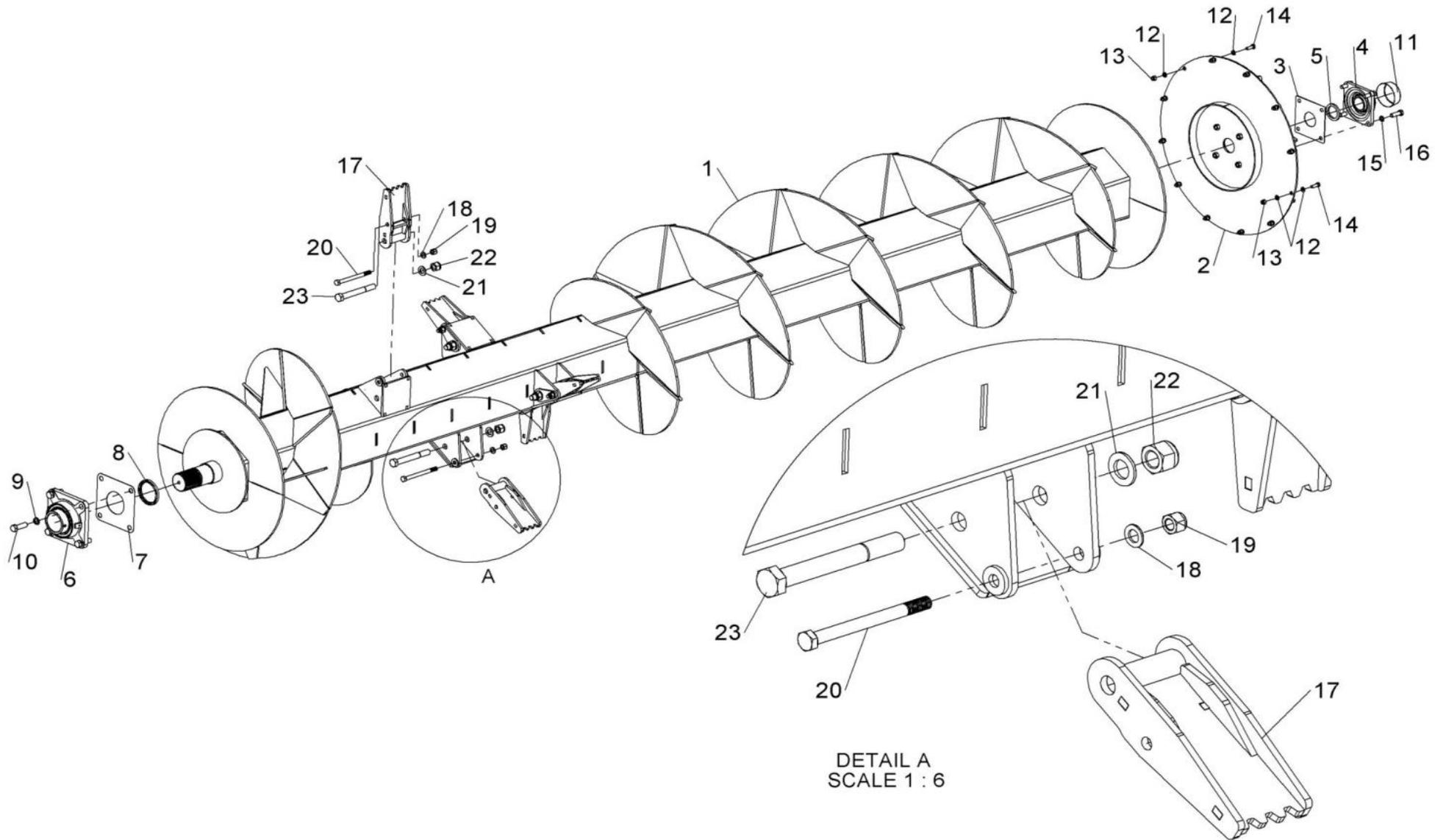
609066 01



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609068 01 | | | | ASSY DESCRIPTION: AUGER FIXING SUB ASSY (PSP24130330 & ON) | | | |
|------------------------|-----------|-----------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591914 01 | 2400 GALLON AUGER W/ASSY | 1 | | | | |
| 2 | 591233 01 | AUGER MOUNTING PLATE W/ASSY | 1 | | | | |
| 3 | 590615 01 | SPACING DISC | 1 | | | | |
| 4 | BRG-26040 | SUPPORT | 1 | | | | |
| 5 | SEAF06000 | SHAFT SEAL | 1 | | | | |
| 6 | BRG-29040 | BEARING | 1 | | | | |
| 7 | 591702 01 | BEARING SPACER | 1 | | | | |
| 8 | SEAB10000 | RADIAL SHAFT SEAL | 1 | | | | |
| 9 | WSH-0075 | SPRING WASHER | 4 | | | | |
| 10 | HSSA20410 | HEX HEAD SET SCREW | 4 | | | | |
| 11 | BRG-96000 | SELF LUBE PROTECTOR CAP | 1 | | | | |
| 12 | WSH-0018 | PLAIN WASHER | 24 | | | | |
| 13 | NUT-0269 | NUT | 12 | | | | |
| 14 | HSS-0241 | BOLT | 12 | | | | |
| 15 | WSH-0070 | SPRING WASHER | 4 | | | | |
| 16 | HSS-0318 | SETSCREW | 4 | | | | |
| 17 | 591915 01 | AUGER PADDLE W/A | 6 | | | | |
| 18 | WSH-0024 | PLAIN WASHER | 12 | | | | |
| 19 | NUT-0271 | NYLOC NUT | 12 | | | | |
| 20 | BLTA16810 | BOLT | 12 | | | | |
| 21 | WSH-0036 | WASHER | 6 | | | | |
| 22 | NUT-0275 | NUT | 6 | | | | |
| 23 | BLTA24830 | BOLT | 6 | | | | |

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DETAIL A
SCALE 1 : 6

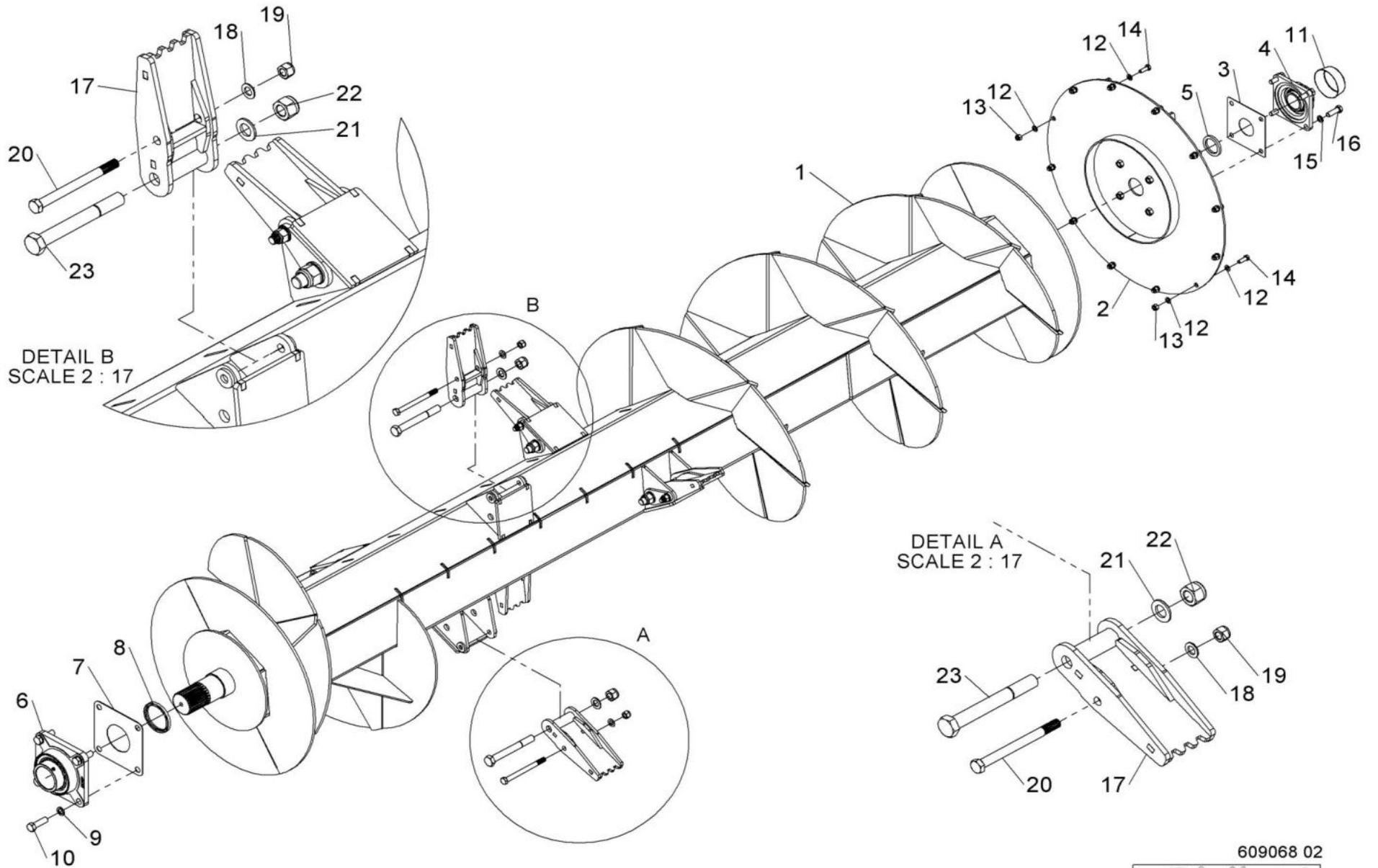
609068 01



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609068 02 | | | | ASSY DESCRIPTION: AUGER FIXING SUB ASSY (PSP18140360 & ON) | | | |
|------------------------|-----------|-----------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591929 01 | 1800 GALLON AUGER W/ASSY | 1 | | | | |
| 2 | 591233 01 | AUGER MOUNTING PLATE W/ASSY | 1 | | | | |
| 3 | 590615 01 | SPACING DISC | 1 | | | | |
| 4 | BRG-26040 | SUPPORT | 1 | | | | |
| 5 | SEAF06000 | SHAFT SEAL | 1 | | | | |
| 6 | BRG-29040 | BEARING | 1 | | | | |
| 7 | 591702 01 | BEARING SPACER | 1 | | | | |
| 8 | SEAB10000 | RADIAL SHAFT SEAL | 1 | | | | |
| 9 | WSH-0075 | SPRING WASHER | 4 | | | | |
| 10 | HSSA20410 | HEX HD SETSCREW | 4 | | | | |
| 11 | BRG-96000 | SELF LUBE PROTECTOR CAP | 1 | | | | |
| 12 | WSH-0018 | PLAIN WASHER | 24 | | | | |
| 13 | NUT-0269 | NUT | 12 | | | | |
| 14 | HSS-0241 | BOLT | 12 | | | | |
| 15 | WSH-0070 | SPRING WASHER | 4 | | | | |
| 16 | HSS-0318 | SETSCREW | 4 | | | | |
| 17 | 591915 01 | AUGER PADDLE W/A | 6 | | | | |
| 18 | WSH-0024 | WASHER | 12 | | | | |
| 19 | NUT-0271 | NUT | 12 | | | | |
| 20 | BLTA16810 | BOLT | 12 | | | | |
| 21 | WSH-0036 | WASHER | 6 | | | | |
| 22 | NUT-0275 | NUT | 6 | | | | |
| 23 | BLTA24830 | BOLT | 6 | | | | |

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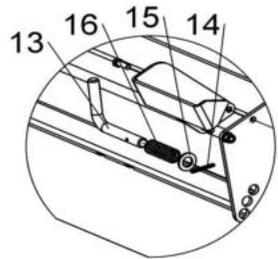


609068 02

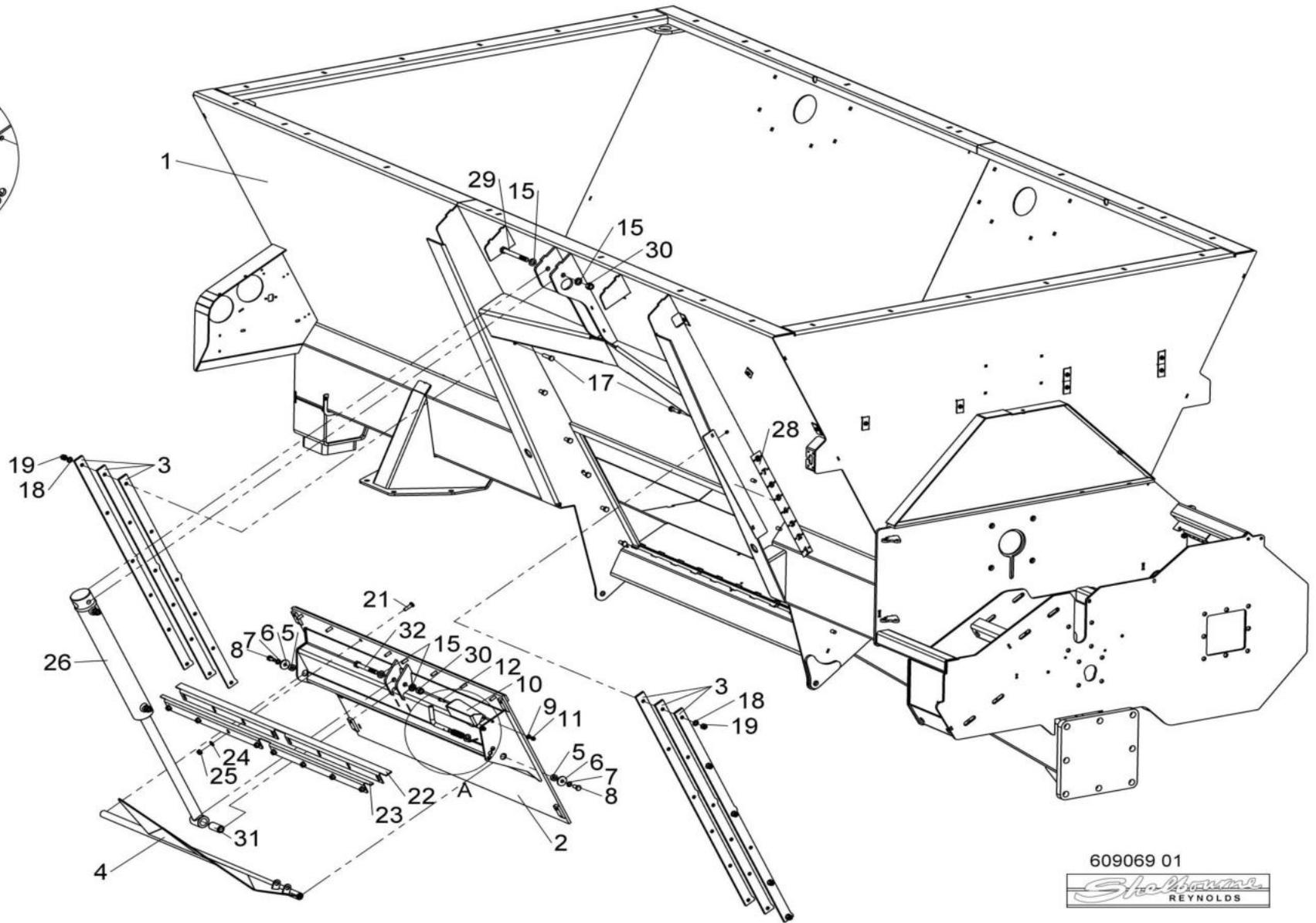


Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609069 01 | | | | ASSY DESCRIPTION: TUB AND DOOR SUB ASSY | | | |
|------------------------|-----------|--------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592043 01 | 1800 GALLON TUB W/A | 1 | | | | |
| 2 | 592058 01 | DOOR W/ASSY | 1 | | | | |
| 3 | 592073 01 | DOOR KEEP PLATE | 6 | | | | |
| 4 | 591199 01 | DEFLECTOR PLATE W/ASSY | 1 | | | | |
| 5 | 190548 81 | WASHER (25O/Dx13 I/Dx10mm THK) | 2 | | | | |
| 6 | 190548 44 | WASHER (40 O/Dx13 I/Dx4mm THK) | 2 | | | | |
| 7 | WSH-0065 | WASHER | 2 | | | | |
| 8 | HSS-0235 | SETSCREW | 2 | | | | |
| 9 | WSH-0012 | WASHER | 2 | | | | |
| 10 | 591375 01 | HEIGHT INDICATOR POINTER | 1 | | | | |
| 11 | NUT-0263 | NUT | 2 | | | | |
| 12 | HSS-0145 | SETSCREW | 2 | | | | |
| 13 | 591402 01 | LOCKING HANDLE | 1 | | | | |
| 14 | PIN-1775 | ROLL PIN | 1 | | | | |
| 15 | WSH-0024 | WASHER | 6 | | | | |
| 16 | SPGC32021 | COMPRESSION SPRING | 1 | | | | |
| 17 | HSS-0260 | SETSCREW | 12 | | | | |
| 18 | WSH-0018 | WASHER | 10 | | | | |
| 19 | NUT-0269 | NUT | 10 | | | | |
| 20 | | | | | | | |
| 21 | HSS-0198 | SETSCREW | 8 | | | | |
| 22 | 591767 01 | RUBBER SEAL STRIP | 1 | | | | |
| 23 | 591979 01 | CLAMP STRIP | 1 | | | | |
| 24 | WSH-0015 | WASHER | 8 | | | | |
| 25 | NUT-0265 | NUT | 8 | | | | |
| 26 | 592104 01 | DOOR CYLINDER | 1 | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | BLTA16710 | BOLT | 1 | | | | |
| 30 | NUT-0271 | NUT | 2 | | | | |
| 31 | 592098 01 | SPACER TUBE | 1 | | | | |
| 32 | BLT-2330 | BOLT | 1 | | | | |



DETAIL A
SCALE 1 : 10



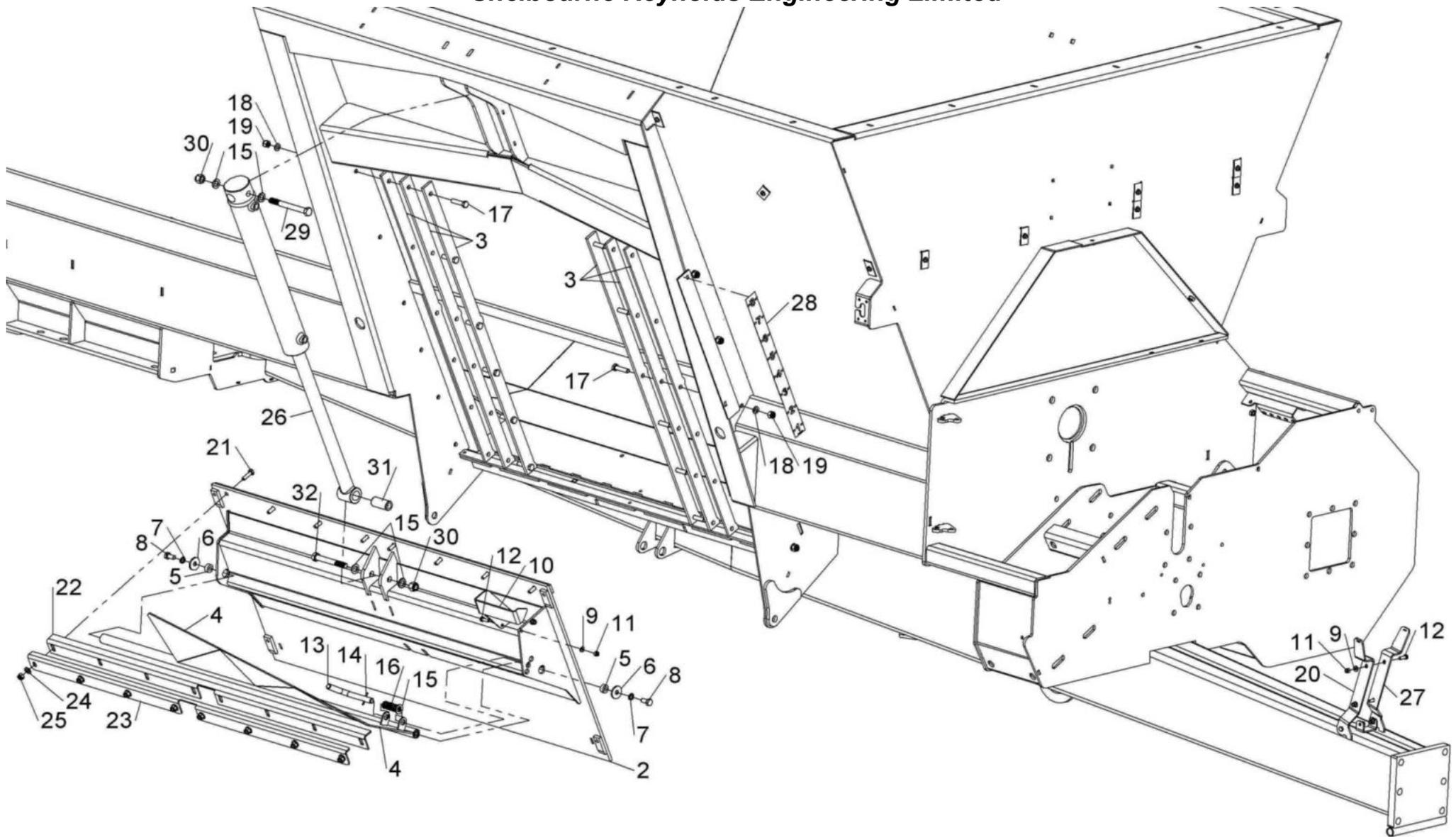
609069 01



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609069 02 | | | | ASSY DESCRIPTION: TUB AND DOOR SUB ASSY (2400-3200) | | | |
|------------------------|-----------|--------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592146 01 | 2400 GALLON TUB W/A | 1 | | | | |
| 2 | 592058 01 | DOOR W/ASSY | 1 | | | | |
| 3 | 592073 01 | DOOR KEEP PLATE | 6 | | | | |
| 4 | 591199 01 | DEFLECTOR PLATE W/ASSY | 1 | | | | |
| 5 | 190548 81 | WASHER (25O/Dx13 I/Dx10mm THK) | 2 | | | | |
| 6 | 190548 44 | WASHER (40 O/Dx13 I/Dx4mm THK) | 2 | | | | |
| 7 | WSH-0065 | WASHER | 2 | | | | |
| 8 | HSS-0235 | SETSCREW | 2 | | | | |
| 9 | WSH-0012 | WASHER | 8 | | | | |
| 10 | 591375 01 | HEIGHT INDICATOR POINTER | 1 | | | | |
| 11 | NUT-0263 | NUT | 6 | | | | |
| 12 | HSS-0145 | SETSCREW | 6 | | | | |
| 13 | 591402 01 | LOCKING HANDLE | 1 | | | | |
| 14 | PIN-1775 | ROLL PIN | 1 | | | | |
| 15 | WSH-0024 | WASHER | 6 | | | | |
| 16 | SPGC32021 | COMPRESSION SPRING | 1 | | | | |
| 17 | HSS-0260 | SETSCREW | 12 | | | | |
| 18 | WSH-0018 | WASHER | 10 | | | | |
| 19 | NUT-0269 | NUT | 10 | | | | |
| 20 | 591378 01 | PTO STAND LH | 1 | | | | |
| 21 | HSS-0198 | SETSCREW | 8 | | | | |
| 22 | 591767 01 | RUBBER SEAL STRIP | 1 | | | | |
| 23 | 591979 01 | CLAMP STRIP | 1 | | | | |
| 24 | WSH-0015 | WASHER | 8 | | | | |
| 25 | NUT-0265 | NUT | 8 | | | | |
| 26 | 592104 01 | DOOR CYLINDER | 1 | | | | |
| 27 | 591378 02 | PTO STAND RH | 1 | | | | |
| 28 | | | | | | | |
| 29 | BLTA16710 | BOLT | 1 | | | | |
| 30 | NUT-0271 | NUT | 2 | | | | |
| 31 | 592098 01 | SPACER TUBE | 1 | | | | |
| 32 | BLT-2330 | BOLT | 1 | | | | |

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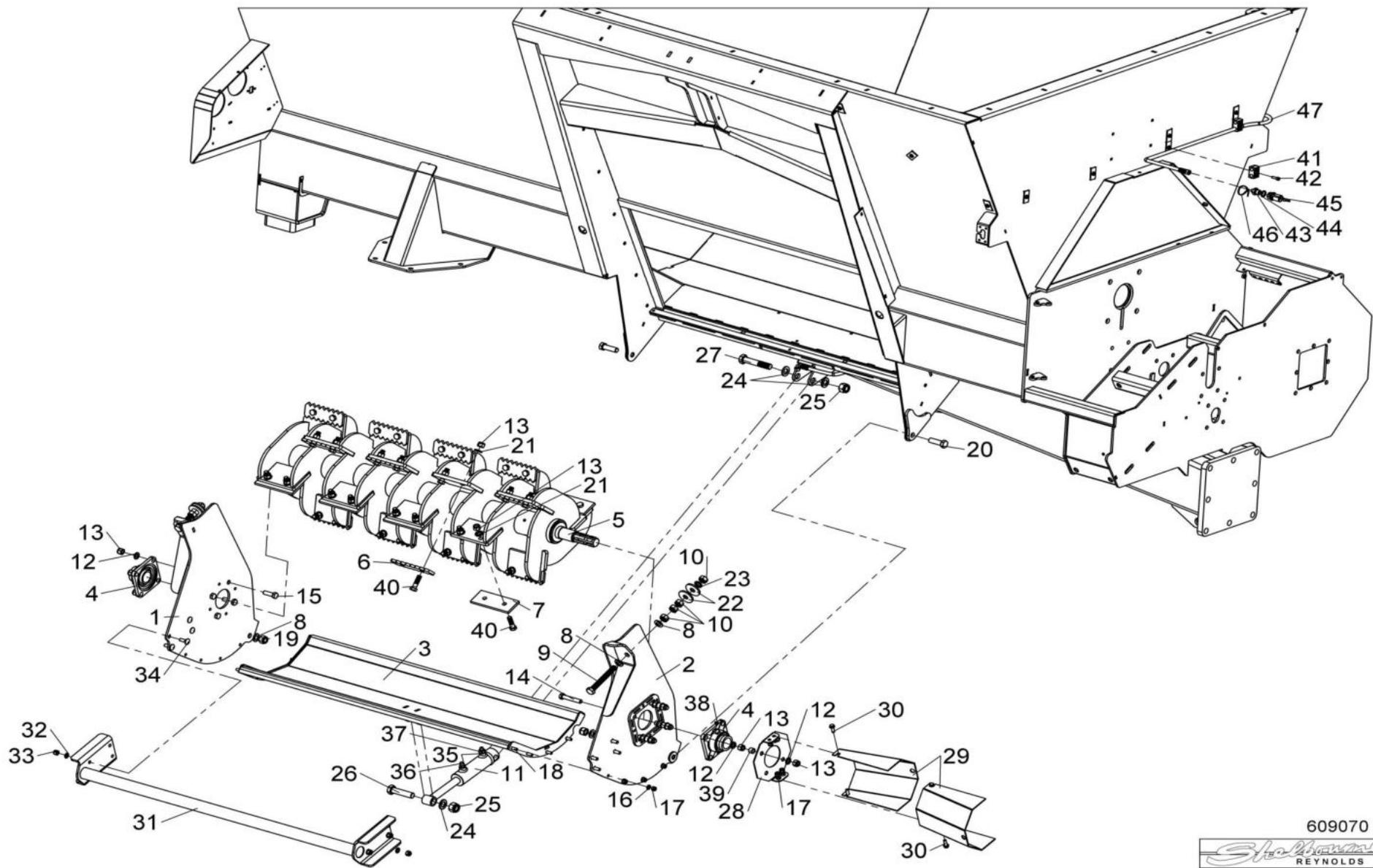


609069 02



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609070 01 | | | | ASSY DESCRIPTION: IMPELLER SUB ASSY | | | |
|------------------------|-----------|--------------------------------|-----|-------------------------------------|-----------|------------------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592095 01 | LH IMPELLER SIDE PLATE W/A | 1 | 41 | HCPD01400 | HYDRAULIC PIPE CLAMP | 9 |
| 2 | 592095 02 | RH IMPELLER SIDE PLATE W/A | 1 | 42 | SCW-0133 | CP HD SCREW | 9 |
| 3 | 591167 01 | DRIP TRAY W/A | 1 | 43 | HMA-0055 | M/M ADAPTOR | 1 |
| 4 | BRG-25040 | 4 BOLT FLANGE BEARING | 2 | 44 | WSH-1015 | DOWTY WASHER | 1 |
| 5 | 591953 01 | IMPELLER W/A | 1 | 45 | COU-0162 | QUICK RELEASE COUPLING | 1 |
| 6 | 591366 01 | SERRATED IMPELLER BLADE | 16 | 46 | TIE-0004 | TIE WRAP | 10 |
| 7 | 591367 01 | PLAIN IMPELLER BLADE | 8 | 47 | HHBC82605 | HYD HOSE ASSY | 1 |
| 8 | WSH-0030 | WASHER | 6 | | | | |
| 9 | HSSA20830 | SETSCREW | 2 | | | | |
| 10 | NUT-0185 | NUT | 8 | | | | |
| 11 | RAM-0015 | HYDRAULIC RAM | 1 | | | | |
| 12 | WSH-0024 | WASHER | 12 | | | | |
| 13 | NUT-0271 | NUT | 60 | | | | |
| 14 | HSS-0330 | SETSCREW) | 4 | | | | |
| 15 | HSS-0318 | SETSCREW | 4 | | | | |
| 16 | WSH-0015 | WASHER | 8 | | | | |
| 17 | NUT-0265 | NUT | 12 | | | | |
| 18 | BLT-3750 | COACHBOLT | 8 | | | | |
| 19 | NUTA02200 | NUT | 2 | | | | |
| 20 | HSSA20410 | SETSCREW | 2 | | | | |
| 21 | WSHA30161 | LOCKWASHER | 48 | | | | |
| 22 | 190548 83 | WASHER | 4 | | | | |
| 23 | WSH-0075 | WASHER | 2 | | | | |
| 24 | WSH-0036 | WASHER | 3 | | | | |
| 25 | NUT-0275 | NUT | 2 | | | | |
| 26 | BLTA24560 | BOLT | 1 | | | | |
| 27 | BLTA24650 | BOLT | 1 | | | | |
| 28 | 591452 01 | GUARD FIXING PLATE W/A | 1 | | | | |
| 29 | 591454 01 | PTO GUARD | 2 | | | | |
| 30 | HSSG10204 | TENSILOCK BOLT (M10x30) PLATED | 4 | | | | |
| 31 | 591456 01 | GUARD RAIL W/A | 1 | | | | |
| 32 | WSH-0018 | WASHER | 8 | | | | |
| 33 | NUT-0269 | NUT | 8 | | | | |
| 34 | BLTF12233 | COACH BOLT | 8 | | | | |
| 35 | WSH-1010 | DOWTY WASHER | 2 | | | | |
| 36 | FIT-0218 | BREATHER | 1 | | | | |
| 37 | FIT-0025 | M/M ADAPTER | 1 | | | | |
| 38 | NIP-0050 | GREASE NIPPLE | 1 | | | | |
| 39 | 591393 01 | PIVOT TUBE | 4 | | | | |
| 40 | BLT-2312 | BOLT | 48 | | | | |

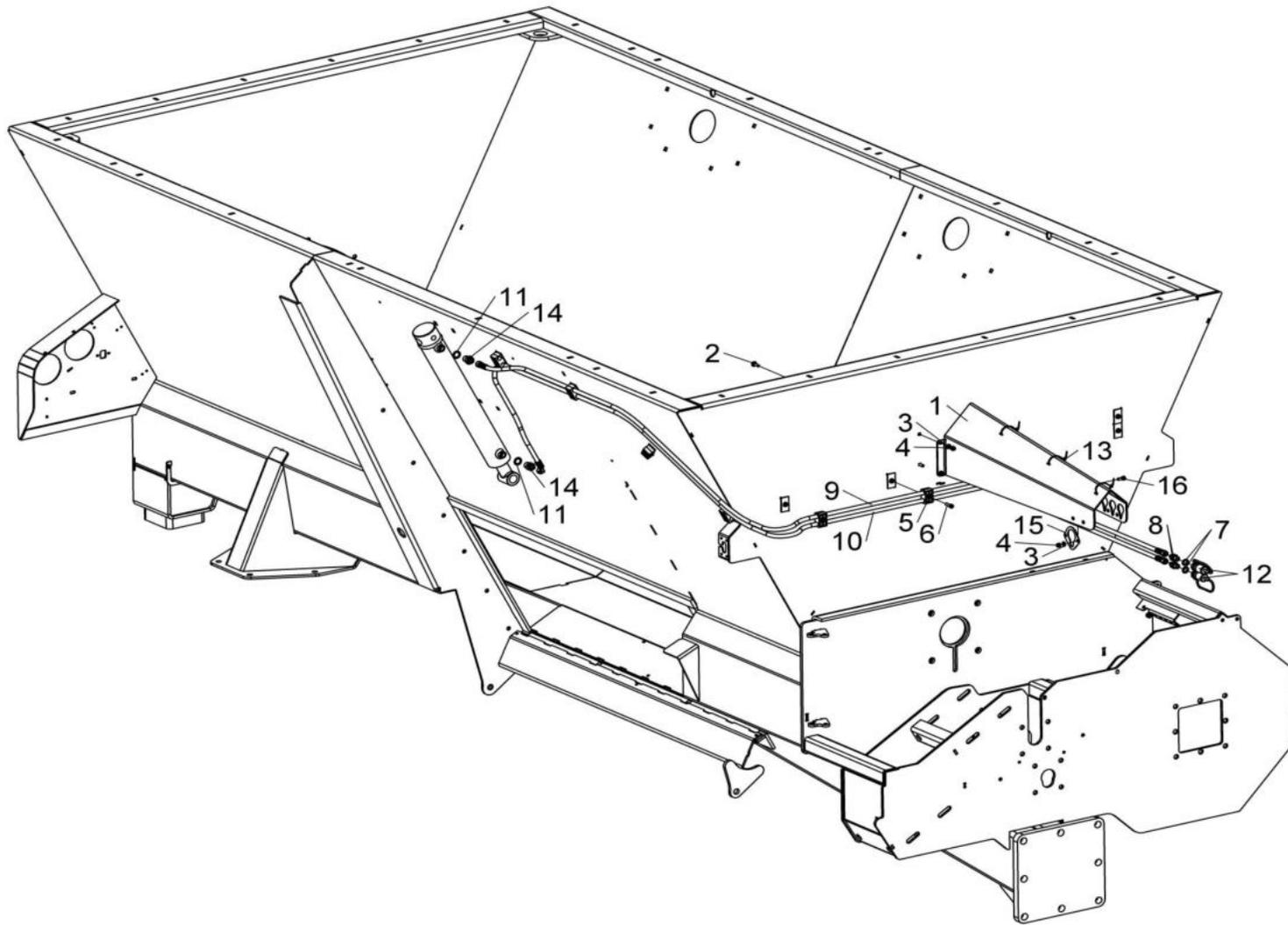


609070 01



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: 609071 01 | | | | ASSY DESCRIPTION: DOOR HYDRAULICS SUB ASSY | | | |
|------------------------|-----------|------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591455 01 | HOSE PARKING STATION | 1 | | | | |
| 2 | BLTF08173 | COACH BOLT | 4 | | | | |
| 3 | WSH-0012 | WASHER | 6 | | | | |
| 4 | NUT-0263 | NYLOC NUT | 6 | | | | |
| 5 | HCPD01400 | HYD.PIPE CLAMP | 6 | | | | |
| 6 | SCW-0133 | CAP HEAD SCREW (| 6 | | | | |
| 7 | WSH-1010 | DOWTY WASHER (| 2 | | | | |
| 8 | FIT-0025 | M/M ADAPTOR (| 2 | | | | |
| 9 | HHBC60105 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 10 | HHBC65105 | HYD HOSE ASSY | 1 | | | | |
| 11 | WSH-1015 | DOWTY WASHER (| 2 | | | | |
| 12 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 13 | TIE-0004 | TIE WRAPS (MED) | 12 | | | | |
| 14 | HMA-0055 | M/M ADAPTOR (| 2 | | | | |
| 15 | 591891 01 | HOSE STORAGE PLATE | 1 | | | | |
| 16 | HSS-0140 | SETSCREW | 2 | | | | |



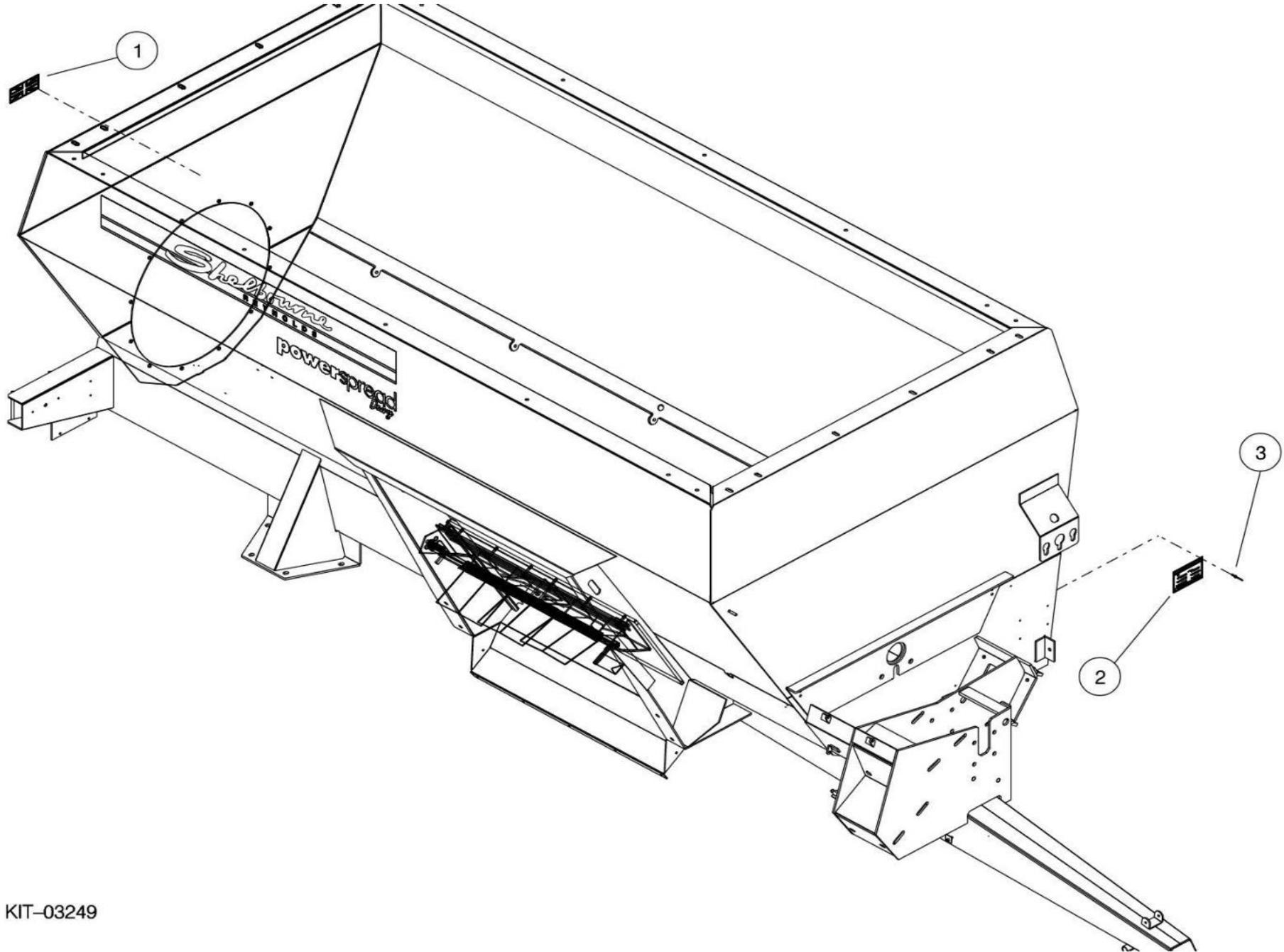
609071 01



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03249 | | | | ASSY DESCRIPTION: UK PARTS KIT | | | |
|------------------------|-----------|-------------------------|-----|--------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 610563 01 | UNION JACK TRANSFER | 1 | | | | |
| 2 | 590145 01 | UK IDENTIFICATION PLATE | 1 | | | | |
| 3 | POP-0006 | POP RIVET | 4 | | | | |

Shelbourne Reynolds Engineering Limited

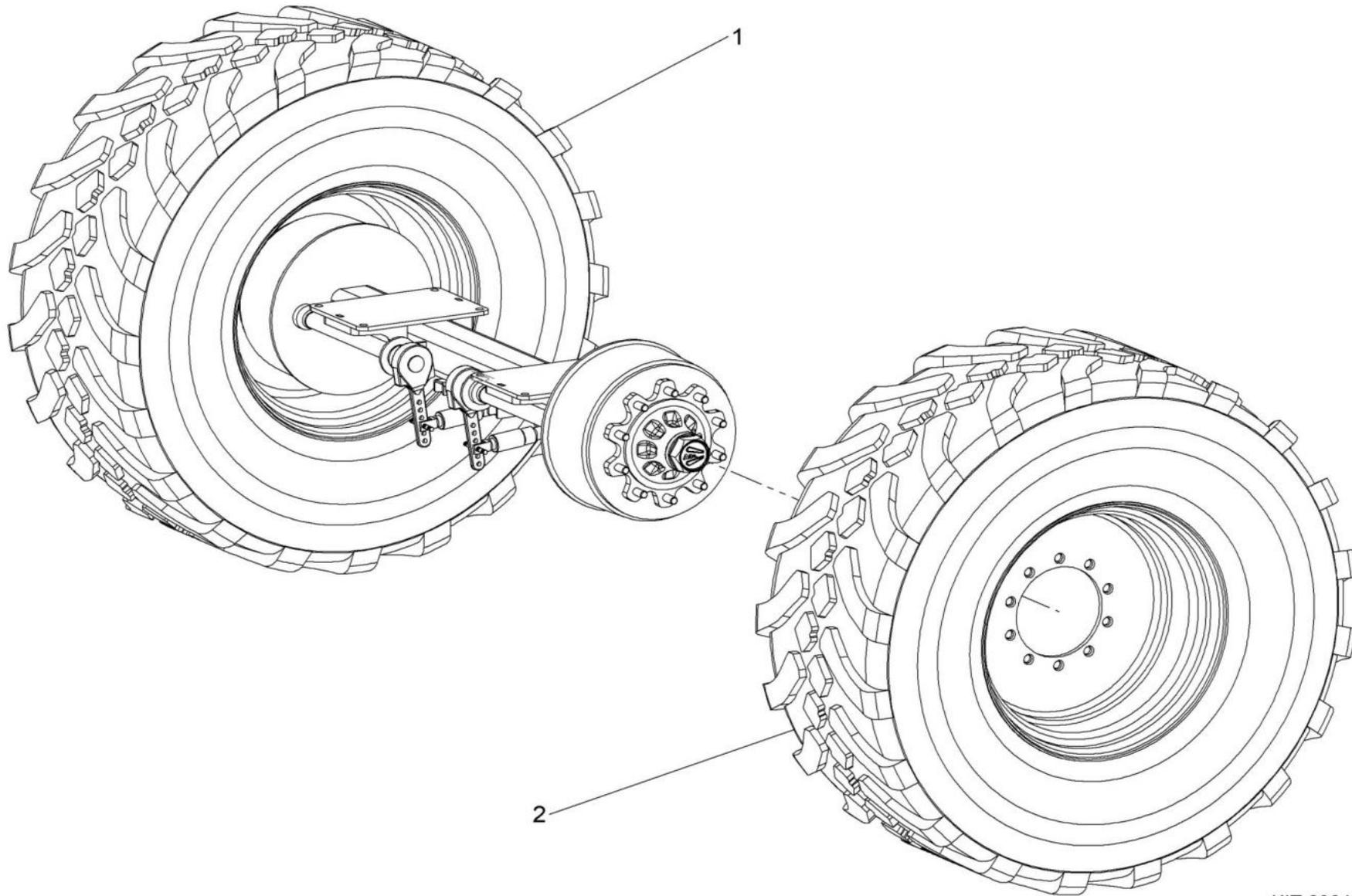


KIT-03249

Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03643 | | | | ASSY DESCRIPTION: WHEEL & TYRE KIT | | | |
|------------------------|-----------|----------------------|-----|------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-03006 | RH WHEEL & TYRE ASSY | 1 | | | | |
| 2 | WHL-03007 | LH WHEEL & TYRE ASSY | 1 | | | | |

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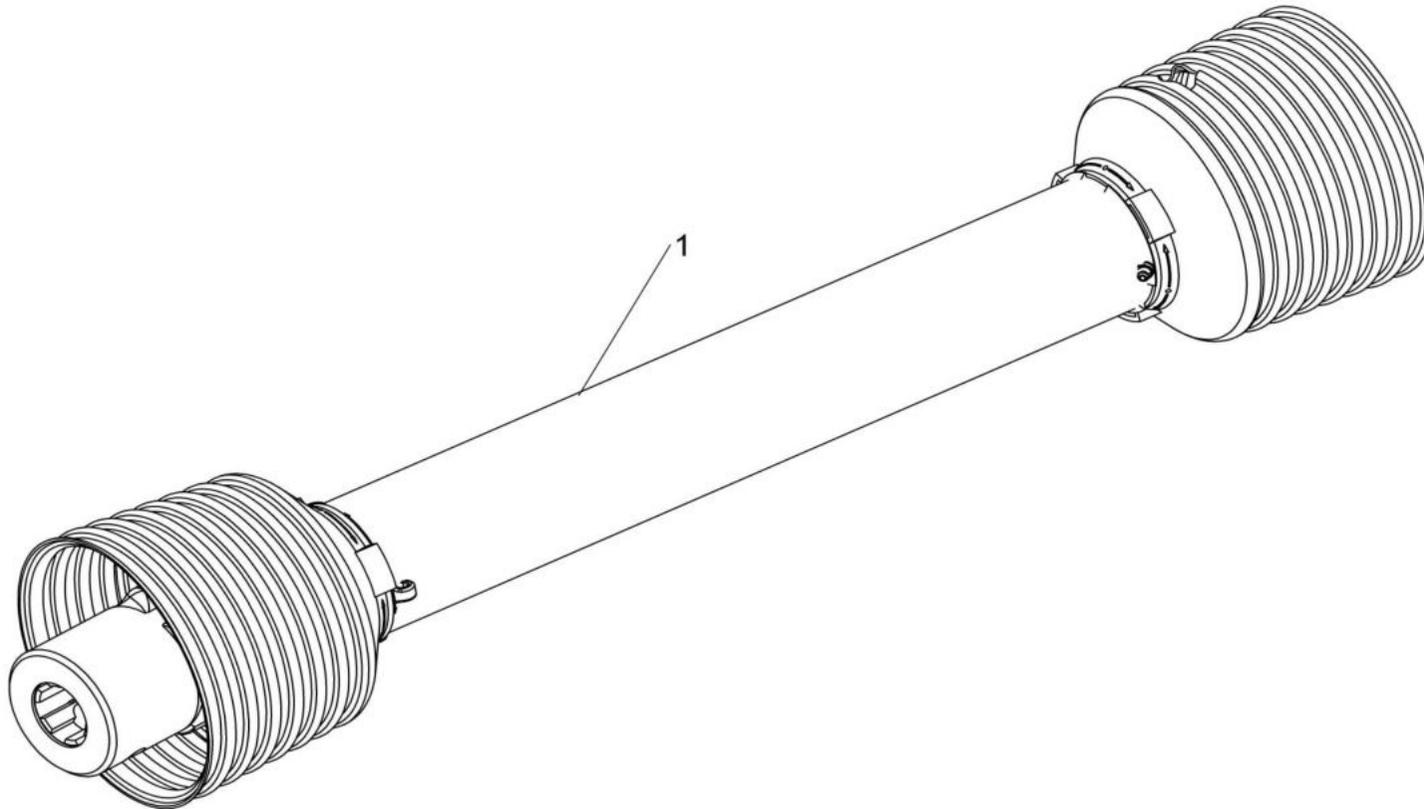


KIT-03643



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03692 | | | | ASSY DESCRIPTION: PTO SHAFT KIT (NON WIDE ANGLE-EXP TWIN) | | | |
|------------------------|-----------|----------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | PTO-29014 | PTO SHAFT ASSY | 1 | | | | |

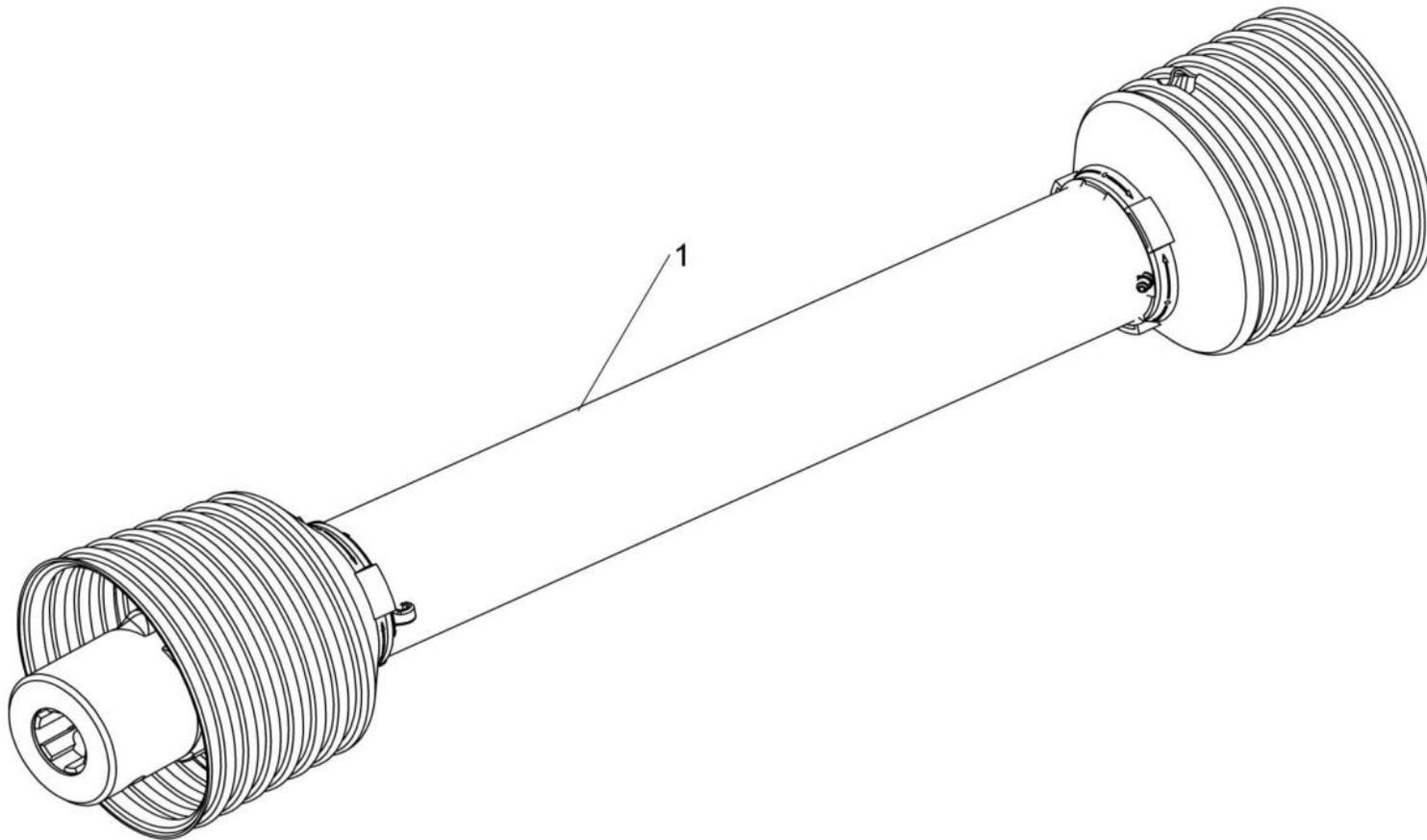


KIT-03692 & KIT-3692A



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03692A | | | | ASSY DESCRIPTION: PTO SHAFT KIT(WIDE ANGLE-EXP TWIN) | | | |
|-------------------------|-----------|----------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | PTO-29017 | PTO SHAFT ASSY | 1 | | | | |



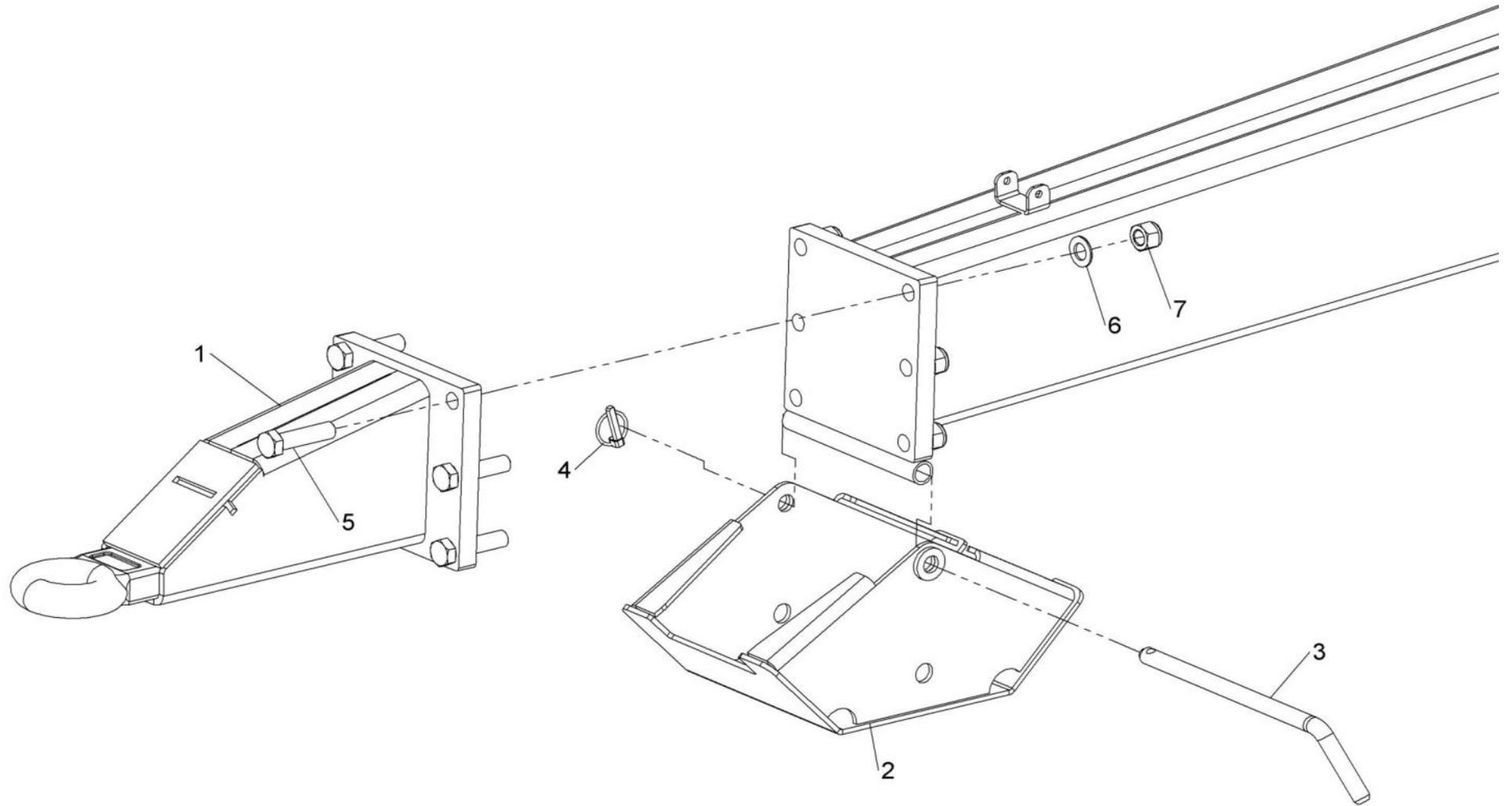
KIT-03692 & KIT-3692A



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03742 | | | | ASSY DESCRIPTION: UK HEAVY DUTY DRAWBAR KIT | | | |
|------------------------|-----------|-------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591356 01 | HEAVY DUTY UK TOW EYE W./ASSY | 1 | | | | |
| 2 | 591358 01 | FOOT W/ASSY | 1 | | | | |
| 3 | 591212 01 | LOCKING PIN | 1 | | | | |
| 4 | PIN-01950 | LYNCH PIN | 1 | | | | |
| 5 | BLTA20500 | HEX HEAD BOLT | 6 | | | | |
| 6 | WSH-0030 | PLAIN WASHER | 6 | | | | |
| 7 | NUTA02200 | NYLOC NUT | 6 | | | | |

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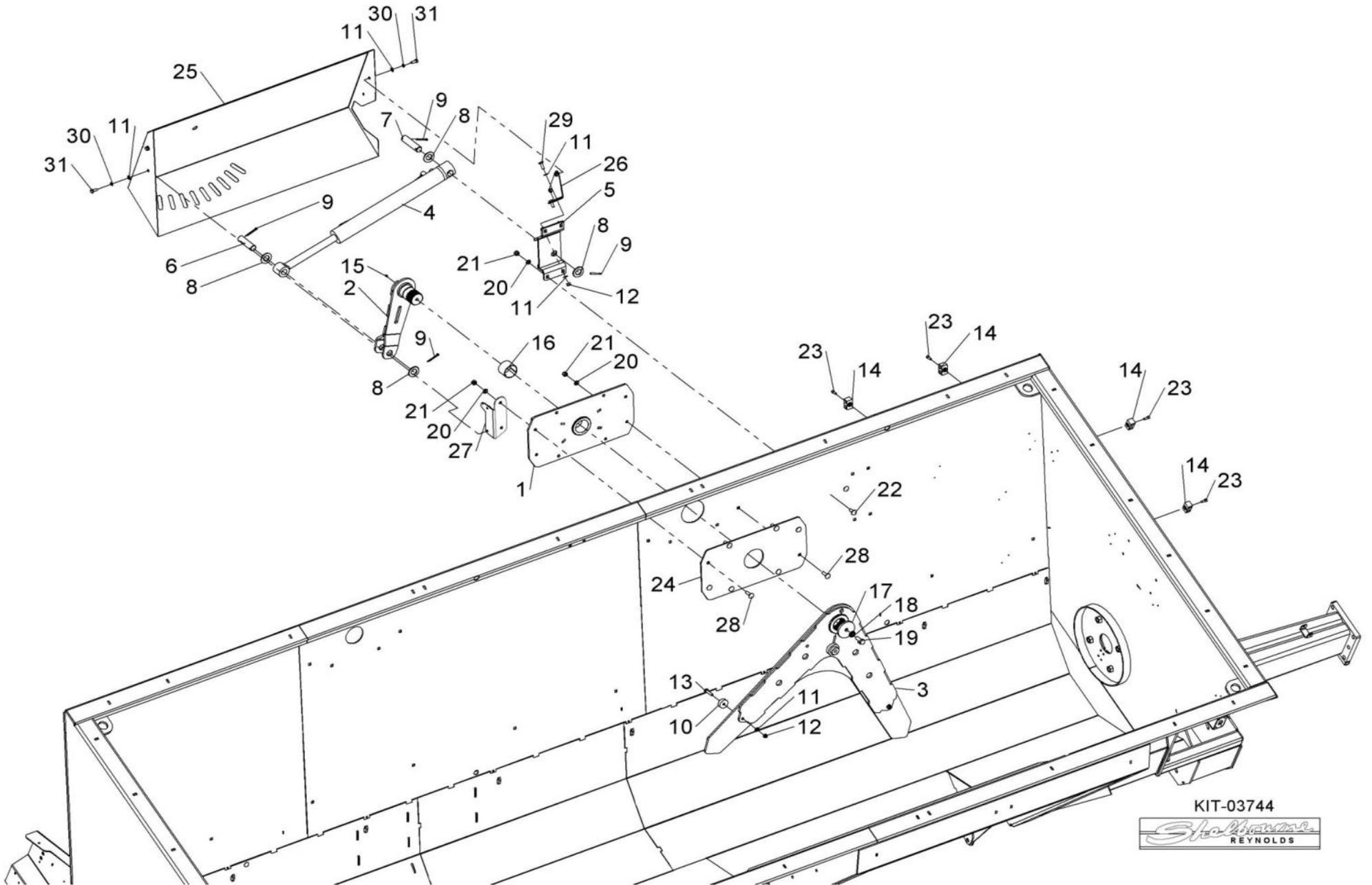
KIT-03742



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03744 | | | | ASSY DESCRIPTION: ANTI BRIDGE KIT | | | |
|------------------------|-----------|-----------------------------|-------|-----------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591337 01 | HUB MTG PLATE W/ASSY | 1 | | | | |
| 2 | 591339 01 | PIVOT SHAFT W/ASSY | 1 | | | | |
| 3 | 591341 01 | BRIDGE ARM W/ASSY | 1 | | | | |
| 4 | 801236 01 | CYLINDER, HEAD ANGLING | 1 | | | | |
| 5 | 591350 01 | RAM MOUNTING BRACKET W/ASSY | 1 | | | | |
| 6 | 591055 02 | PIN | 1 | | | | |
| 7 | 591055 01 | PIN | 1 | | | | |
| 8 | WSH-1545 | PLAIN WASHER FORM A | 4 | | | | |
| 9 | PIN-20629 | SPLIT PIN | 4 | | | | |
| 10 | 591353 01 | NYLON BUFFER | 2 | | | | |
| 11 | WSH-0015 | PLAIN WASHER | 12 | | | | |
| 12 | NUT-0265 | NYLOC NUT | 4 | | | | |
| 13 | BLTA10290 | HEX.HEAD BOLT | 2 | | | | |
| 14 | HCPD01600 | HYDRAULIC PIPE CLAMP | 4 | | | | |
| 15 | NIP-00600 | GREASE NIPPLE | 1 | | | | |
| 16 | BSHA06565 | BUSH | 1 | | | | |
| 17 | 190548 72 | WASHER | 1 | | | | |
| 18 | WSHA30161 | WASHER | 1 | | | | |
| 19 | HSS-0315 | SETSCREW | 1 | | | | |
| 20 | WSH-0018 | PLAIN WASHER | 12 | | | | |
| 21 | NUT-0269 | NUT | 12 | | | | |
| 22 | BLT-3790 | COACH BOLT | 4 | | | | |
| 23 | SCW-0133 | CAP HEAD SCREW | 4 | | | | |
| 24 | 591462 01 | LAMINATE PLATE | 1 | | | | |
| 25 | 591463 01 | GUARD | 1 | | | | |
| 26 | 591466 01 | REAR GUARD BRKT W/A | 1 | | | | |
| 27 | 591468 01 | FRONT GUARD BRKT W/A | 1 | | | | |
| 28 | BLT-3800 | COACH BOLT | 8 | | | | |
| 29 | HSS-0194 | BOLT | 2 | | | | |
| 30 | WSH-0061 | SPRING WASHER | 4 | | | | |
| 31 | HSS-0191 | SET SCREW | 4 | | | | |
| 32 | EDS-11400 | EDGING STRIP | 0.25m | | | | |

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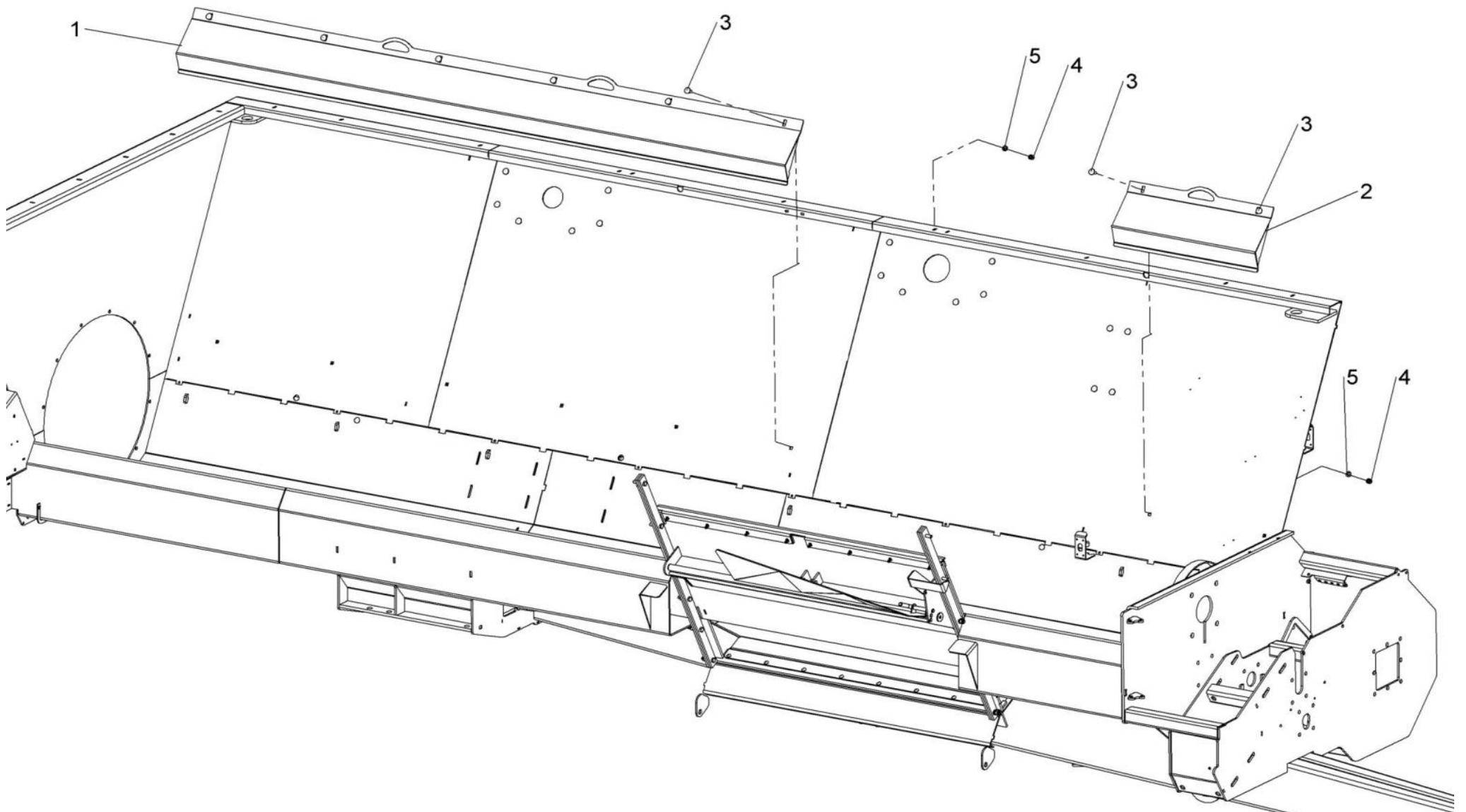
KIT-03744



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03745 | | | | ASSY DESCRIPTION: STRAW PLATE KIT | | | |
|------------------------|-----------|--------------------------|-----|-----------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591343 01 | LONG STRAW PLATE W/ASSY | 1 | | | | |
| 2 | 591347 01 | SHORT STRAW PLATE W/ASSY | 1 | | | | |
| 3 | BLT-3790 | COACH BOLT | 8 | | | | |
| 4 | NUT-0269 | NUT | 8 | | | | |
| 5 | WSH-0018 | WASHER | 8 | | | | |

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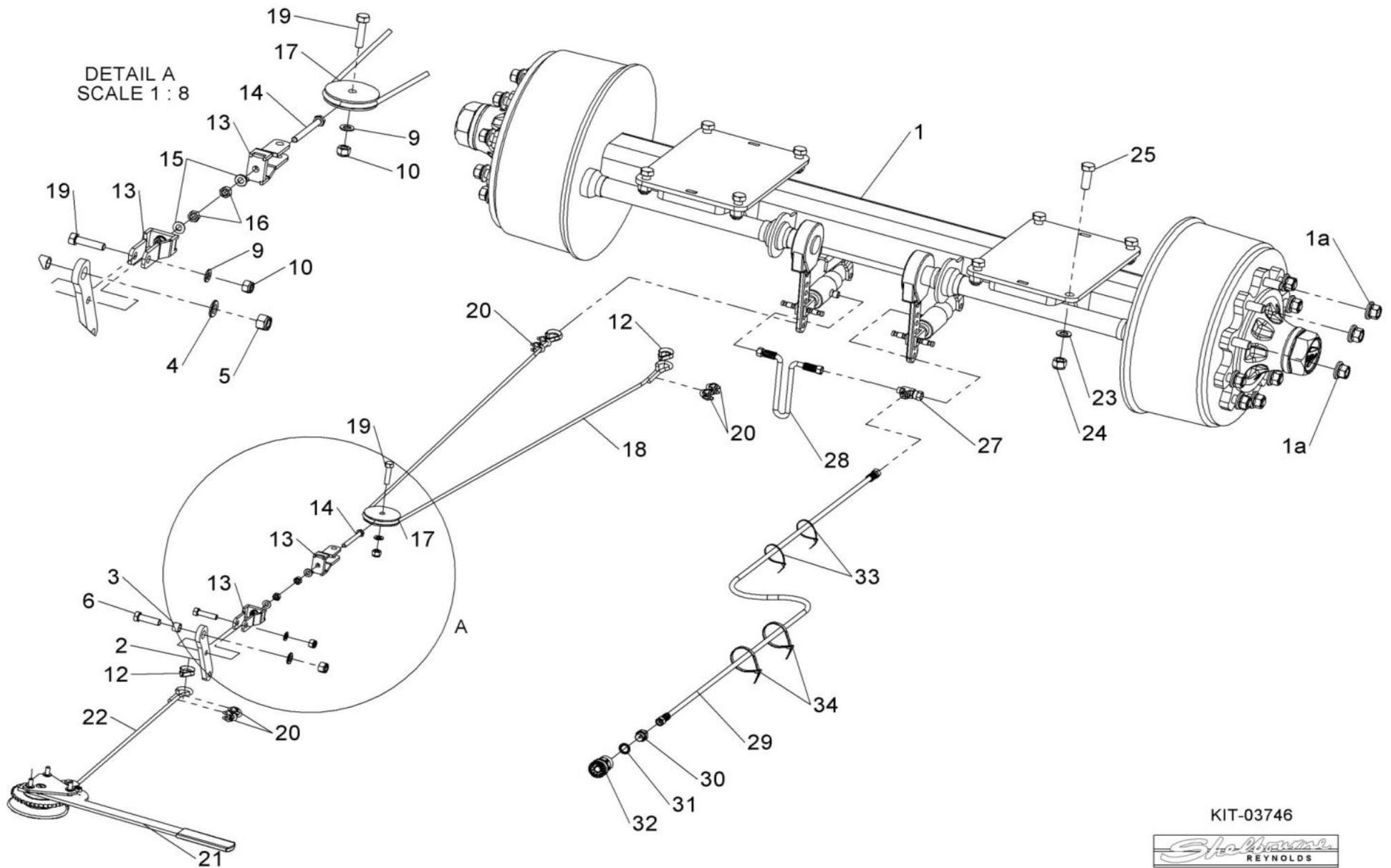
KIT-03745



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03746 | | | | ASSY DESCRIPTION: AXLE WITH HYD BRAKES (3000 GAL) | | | |
|------------------------|-----------|-------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591387 01 | HYDRAULIC AXLE | 1 | | | | |
| 2 | 591392 01 | HANDBRAKE LEVER | 1 | | | | |
| 3 | 591393 01 | PIVOT TUBE | 1 | | | | |
| 4 | WSH-0024 | PLAIN WASHER FORM A | 1 | | | | |
| 5 | NUT-0271 | NYLOC NUT | 1 | | | | |
| 6 | HSS-0319 | SET SCREW | 1 | | | | |
| 9 | WSH-0018 | PLAIN WASHER | 2 | | | | |
| 10 | NUT-0269 | NUT | 2 | | | | |
| 11 | HSS-0275 | SET SCREW | 2 | | | | |
| 12 | WRP-01050 | WIRE ROPE THIMBLE | 3 | | | | |
| 13 | 591397 01 | BRAKE CLEVIS W/A | 2 | | | | |
| 14 | HSSA10500 | SET SCREW | 1 | | | | |
| 15 | WSH-0015 | PLAIN WASHER | 3 | | | | |
| 16 | NUT-0167 | PLAIN NUT PLATED | 3 | | | | |
| 17 | 591399 01 | CABLE PULLEY | 1 | | | | |
| 18 | 591400 04 | HANDBRAKE CABLE | 1 | | | | |
| 19 | HSS-0260 | SETSCREW | 2 | | | | |
| 20 | WRP-02080 | WIRE CABLE CLAMP | 6 | | | | |
| 21 | LVR-00020 | HANDBRAKE ASSY | 1 | | | | |
| 22 | 591400 02 | HANDBRAKE CABLE | 1 | | | | |
| 23 | WSH-0030 | PLAIN WASHER | 8 | | | | |
| 24 | NUTA02200 | NYLOC NUT | 8 | | | | |
| 25 | BLT-2365 | BOLT | 8 | | | | |
| 27 | FITA10410 | HYDRAULIC TEE FITTING | 1 | | | | |
| 28 | HHAC01305 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 29 | HHAC99505 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 30 | HMA-0065 | ADAPTOR MALE/MALE | 1 | | | | |
| 31 | WSH-1015 | DOWTY WASHER 1/2" | 1 | | | | |
| 32 | HQR-10007 | HYD.QUICK RELEASE COUP. | 1 | | | | |
| 33 | TIE-0004 | TIE WRAPS (MED) | 14 | | | | |
| 34 | TIE-0012 | TIE WRAP (EX.LARGE) | 4 | | | | |

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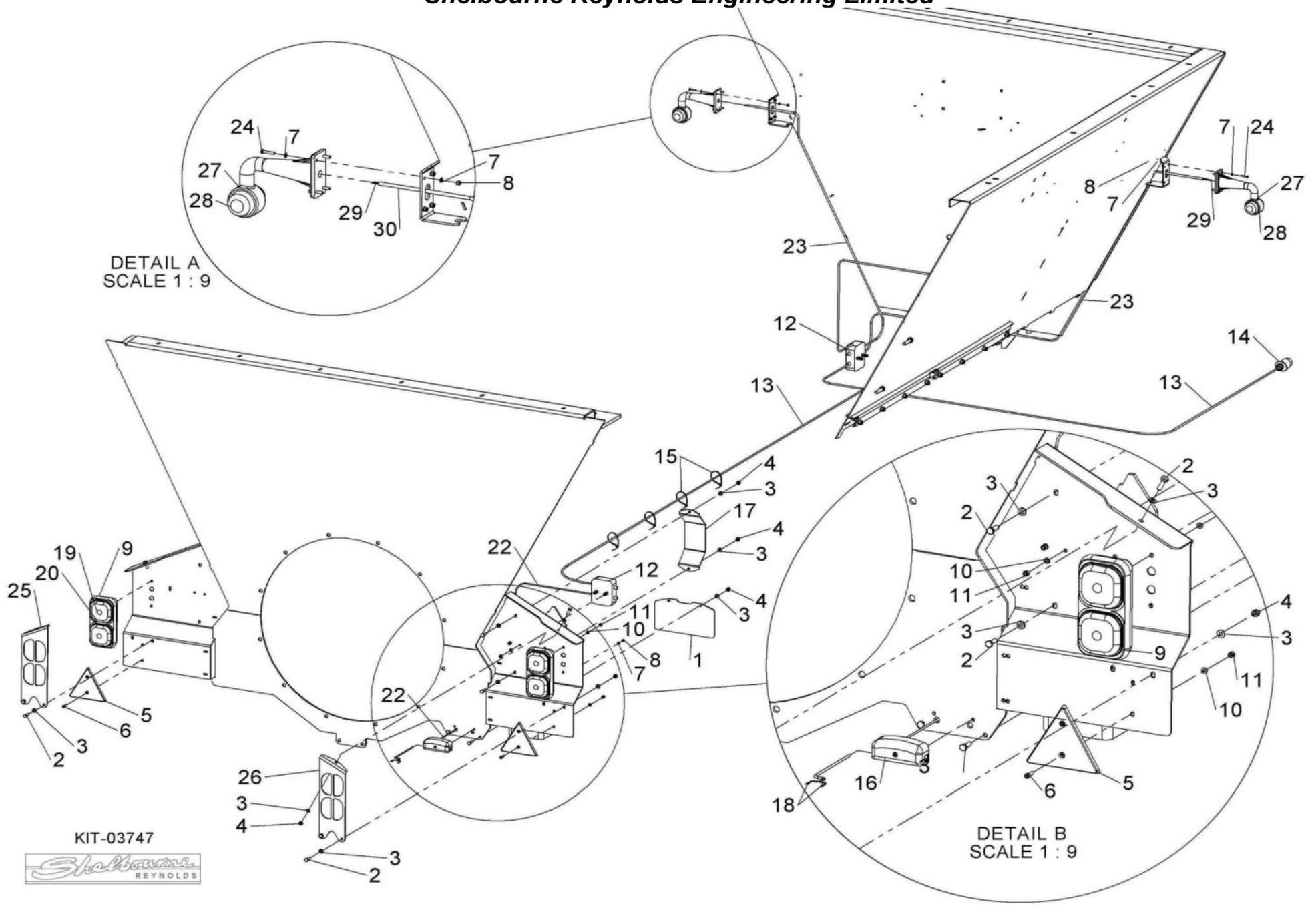
KIT-03746



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03747 | | | | ASSY DESCRIPTION: LIGHTING KIT | | | |
|------------------------|-----------|---|-----|--------------------------------|-----------|------------------------|------|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591564 01 | NUMBER PLATE BRACKET SER No PSP...0115 & ON | 1 | 29 | ETM-00630 | FEMALE BULLET TERMINAL | 4 |
| OR | 591405 01 | NUMBER PLATE BRACKET UP TO SER No PSP...0114 | 1 | 30 | SLV-00060 | SLEEVING | 0.6m |
| 2 | HSS-0140 | SETSCREW | 2 | | | | |
| 3 | WSH-0012 | PLAIN WASHER | 16 | | | | |
| 4 | NUT-0263 | NYLOC NUT | 10 | | | | |
| 5 | REF-0035 | TRIANGULAR REFLECTOR | 2 | | | | |
| 6 | SCW-0083 | CAP HEAD SCREW | 4 | | | | |
| 7 | WSH-0006 | PLAIN WASHER | 18 | | | | |
| 8 | NUT-0258 | NYLOC NUT | 12 | | | | |
| 9 | LMP-10404 | REAR COMBINATION LAMP | 2 | | | | |
| 10 | WSH-0009 | PLAIN WASHER | 12 | | | | |
| 11 | NUT-0260 | NYLOC NUT | 10 | | | | |
| 12 | JNC-00000 | JUNCTION BOX | 2 | | | | |
| 13 | CBL-03530 | 7 CORE CABLE | 15 | | | | |
| 14 | PLG-0005 | 7 PIN PLUG | 1 | | | | |
| 15 | TIE-0004 | TIE WRAPS | 50 | | | | |
| 16 | LMP-0009 | NUMBER PLATE LIGHT | 1 | | | | |
| 17 | 591563 01 | JUNCTION BOX GUARD SER No PSP...0114 | 1 | | | | |
| OR | 591473 01 | COVER PLATE UP TO & INC PSP...0114 | 1 | | | | |
| 18 | ETM-00560 | MALE BULLET TERMINAL | 2 | | | | |
| 19 | ETM-00150 | 6mm FEMALE SPADE CONNECTOR | 1 | | | | |
| 20 | ETM-01255 | 3mm FEMALE SPADE CONNECTOR | 3 | | | | |
| 21 | | | | | | | |
| 22 | CBL-03010 | 2 CORE CABLE | 0.5 | | | | |
| 23 | CBL-03210 | 4 CORE CABLE | 7 | | | | |
| 24 | HSS-0070 | SETSCREW | 8 | | | | |
| 25 | 591578 01 | LIGHT GUARD LH SER No PSP...0139 & ON | 1 | | | | |
| OR | 591507 01 | LIGHT GUARD LH UP TO & INC SER No PSP...0138 | 1 | | | | |
| 26 | 591578 02 | LIGHT GUARD RH SER No PSP...0139 & ON | 1 | | | | |
| OR | 591507 02 | LIGHT GUARD RH UP TO & INC SER No PSP...0138 | 1 | | | | |
| 27 | LMP-10503 | MARKER LAMP | 2 | | | | |
| 28 | BLB-0080 | BULB | 2 | | | | |

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DETAIL A
SCALE 1 : 9

DETAIL B
SCALE 1 : 9

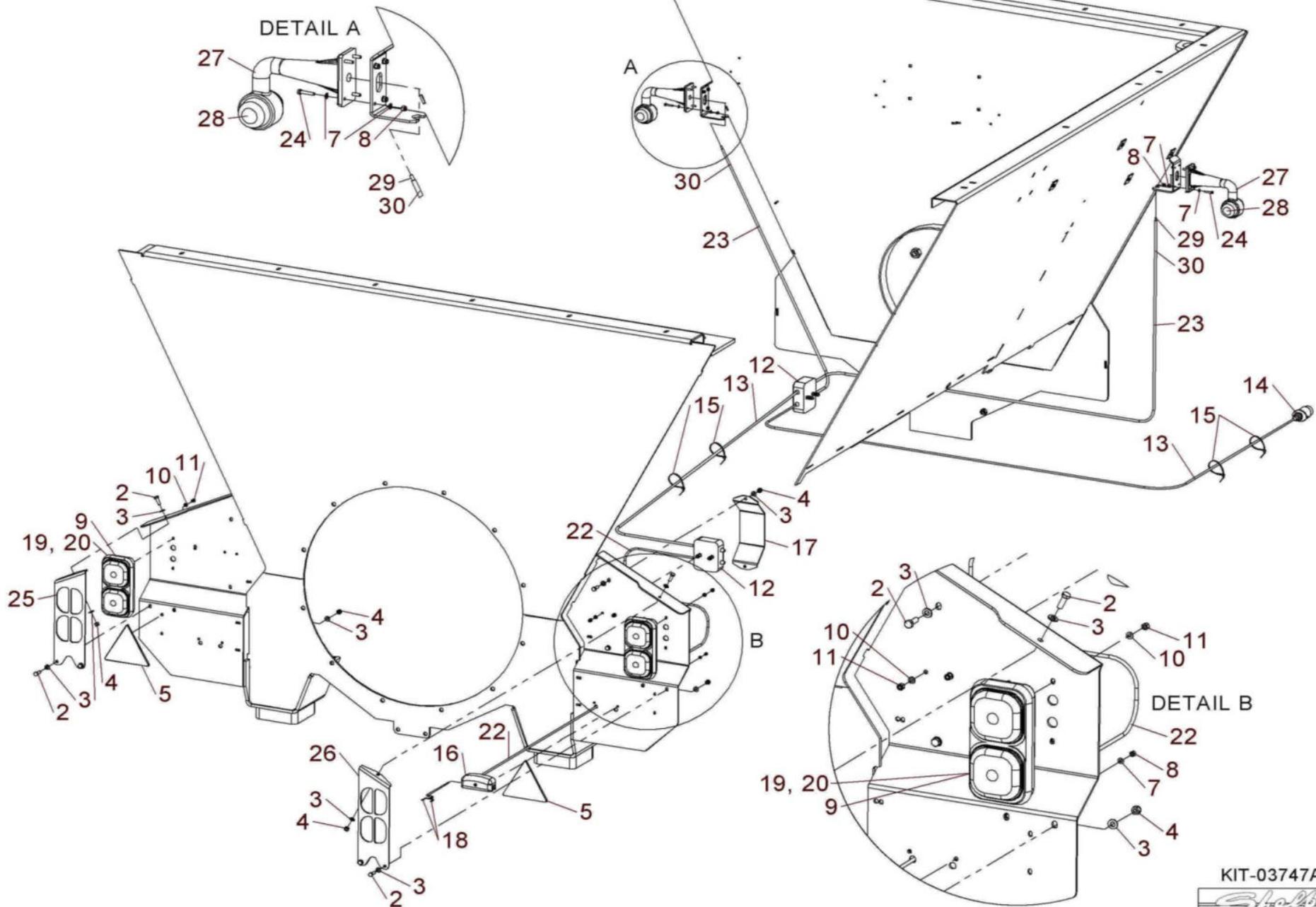
KIT-03747



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03747a | | | | ASSY DESCRIPTION: LIGHTING KIT | | | |
|-------------------------|-----------|-------------------------------|------|--------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | | | | | | | |
| 2 | HSS-0145 | SETSCREW | 16 | | | | |
| 3 | WSH-0012 | WASHER | 16 | | | | |
| 4 | NUT-0263 | NUT | 8 | | | | |
| 5 | REF-0035 | TRIANGULAR REFLECTOR | 2 | | | | |
| 6 | | | 4 | | | | |
| 7 | WSH-0006 | WASHER | 18 | | | | |
| 8 | NUT-0258 | NUT | 12 | | | | |
| 9 | LMP-10404 | REAR COMBINATION LAMP | 2 | | | | |
| 10 | WSH-0009 | WASHER | 12 | | | | |
| 11 | NUT-0260 | NUT | 10 | | | | |
| 12 | JNC-00000 | ELECTRIC JUNCTION BOX | 2 | | | | |
| 13 | CBL-03530 | 7 CORE ELECTRICAL CABLE | 13.5 | | | | |
| 14 | PLG-0005 | 7 PIN PLUG | 1 | | | | |
| 15 | TIE-0004 | TIE WRAPS (MED) | 50 | | | | |
| 16 | LMP-0009 | No PLATE LIGHT | 1 | | | | |
| 17 | 591563 01 | JUNCTION BOX GUARD | 1 | | | | |
| 18 | ETM-00560 | ELEC BULLET TERMINAL | 2 | | | | |
| 19 | ETM-00150 | ELEC SPADE CNCTR FEM | 3 | | | | |
| 20 | ETM-01255 | 3mm ELEC FEMALE SPADE | 3 | | | | |
| 21 | | | | | | | |
| 22 | CBL-03010 | 2 CORE ELECTRICAL CABLE | 0.5 | | | | |
| 23 | CBL-03210 | 4 CORE ELECTRICAL CABLE | 7 | | | | |
| 24 | HSS-0070 | SETSCREW | 8 | | | | |
| 25 | 591578 01 | LIGHT GUARD LH | 1 | | | | |
| 26 | 591578 02 | LIGHT GUARD RH | 1 | | | | |
| 27 | LMP-10503 | END OUTLINE MARKER LAMP | 2 | | | | |
| 28 | BLB-0080 | BULB 12v | 2 | | | | |
| 29 | ETM-00630 | ELECTRIC BUTT TERM | 4 | | | | |
| 30 | SLV-00060 | ELECTRIC HEAT SHRINK SLEEVING | 0.6 | | | | |

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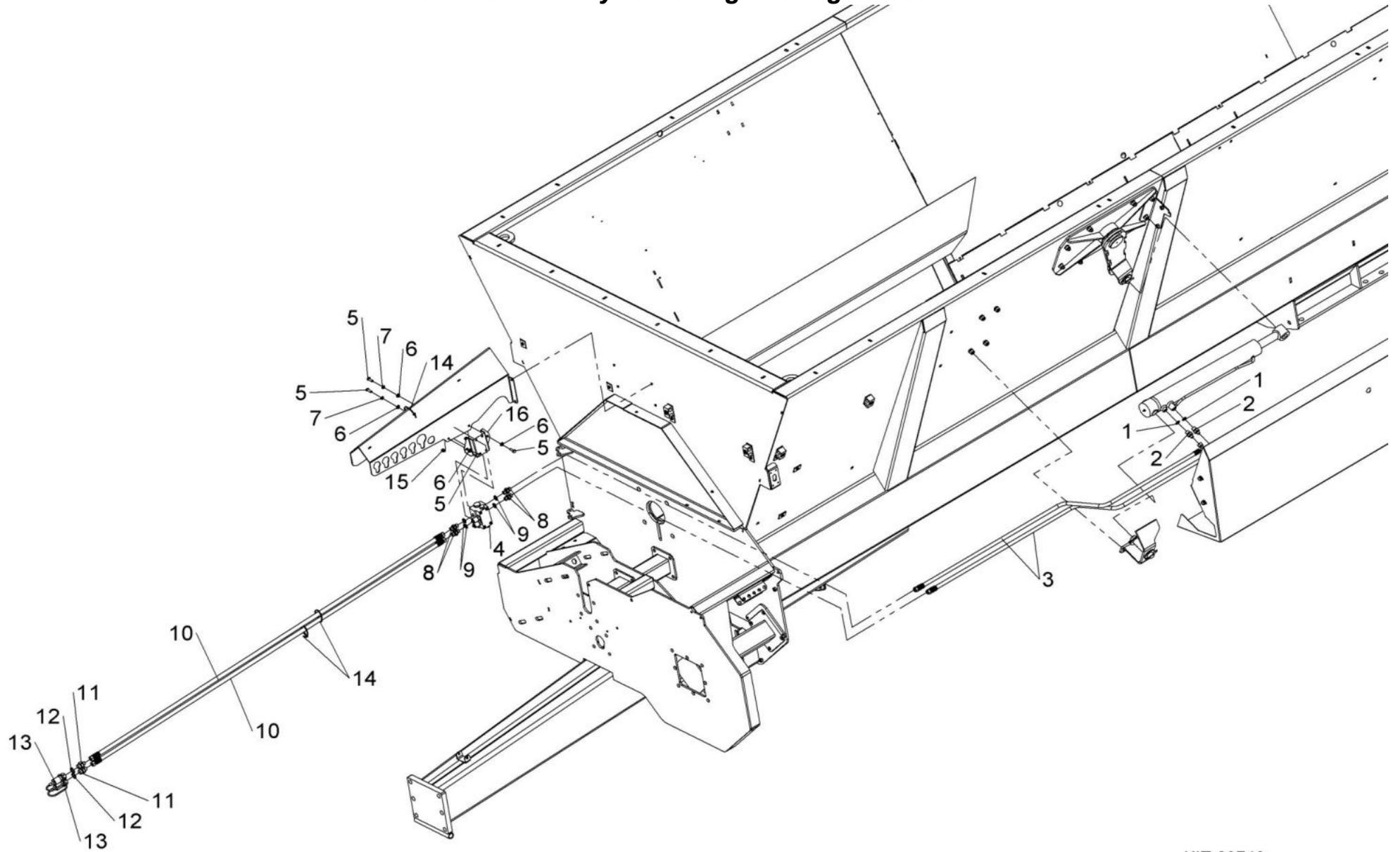
KIT-03747A



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03748 | | | | ASSY DESCRIPTION: ANTI-BRIDGE AUTO HYDRAULICS KI | | | |
|------------------------|-----------|----------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WSH-1005 | DOWTY WASHER 1/4" | 2 | | | | |
| 2 | FIT-0025 | 1/4"BSP X 3/8"BSP | 2 | | | | |
| 3 | HHCE22005 | HYDRAULIC HOSE ASSY (3/8") | 2 | | | | |
| 4 | HVB-25500 | RECIPROCATING VALVE | 1 | | | | |
| 5 | HSS-0145 | BOLT | 4 | | | | |
| 6 | WSH-0012 | PLAIN WASHER FORM A | 4 | | | | |
| 7 | WSH-0058 | SPRING WASHER | 2 | | | | |
| 8 | HMA-0057 | ADAPTOR MALE/MALE | 4 | | | | |
| 9 | WSH-1010 | DOWTY WASHER 3/8" | 4 | | | | |
| 10 | HHAE30005 | HYDRAULIC HOSE ASSY (3/8") | 2 | | | | |
| 11 | HMA-0065 | ADAPTOR MALE/MALE | 2 | | | | |
| 12 | WSH-1015 | DOWTY WASHER 1/2" | 2 | | | | |
| 13 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 14 | TIE-0004 | TIE WRAPS (MED) | 8 | | | | |
| 15 | NUT-0263 | NYLOC NUT | 2 | | | | |
| 16 | 591701 01 | VALVE BRKT | 1 | | | | |

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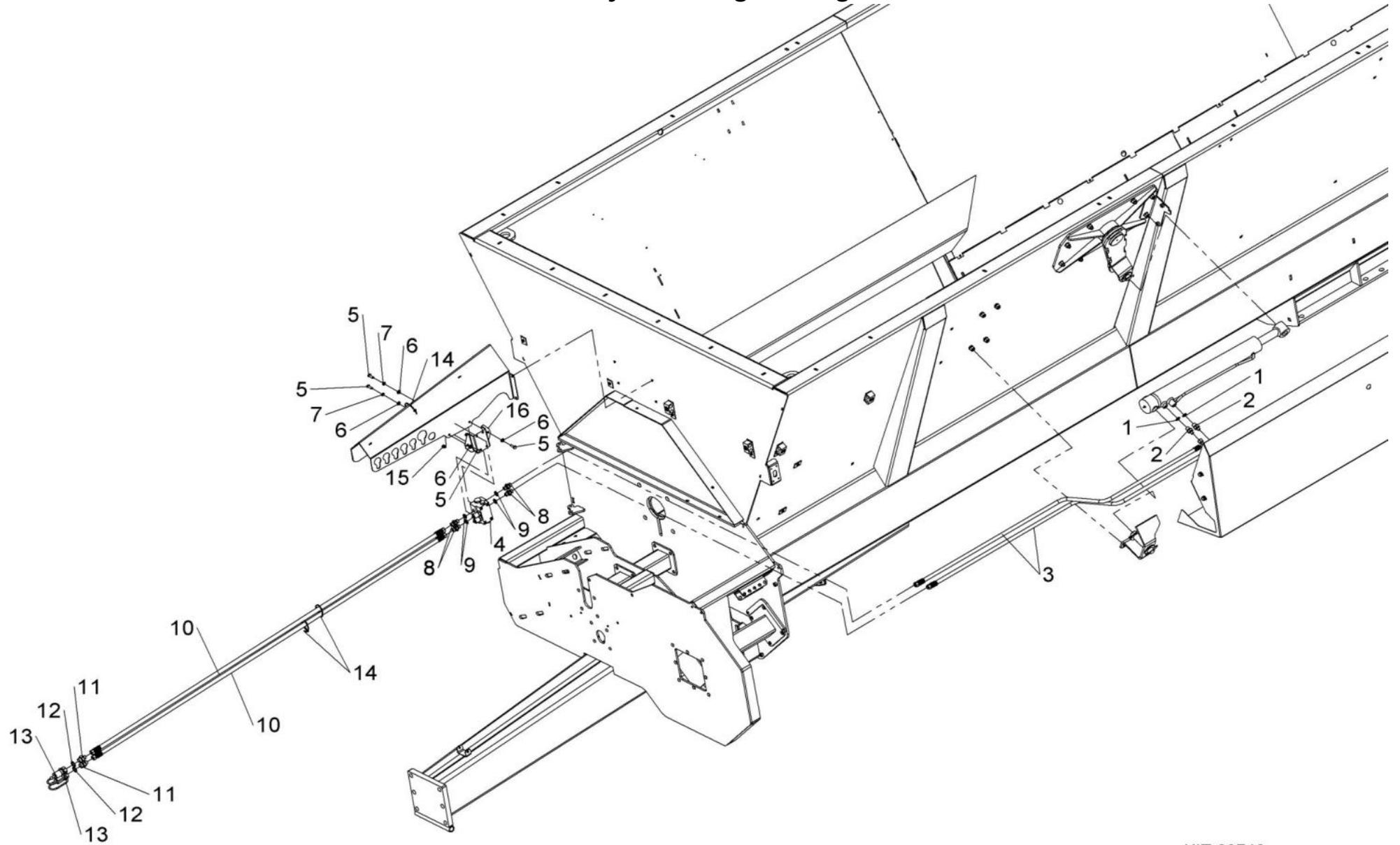
KIT-03748
KIT-03748a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03748a | | | | ASSY DESCRIPTION: ANT-BRIDGE AUTO HYD KIT | | | |
|-------------------------|-----------|----------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WSH-1005 | DOWTY WASHER 1/4" | 2 | | | | |
| 2 | FIT-0025 | 1/4"BSP X 3/8"BSP | 2 | | | | |
| 3 | HHCE16705 | HYDRAULIC HOSE ASSY (3/8") | 2 | | | | |
| 4 | HVB-25500 | RECIPROCATING VALVE | 1 | | | | |
| 5 | HSS-0145 | BOLT | 4 | | | | |
| 6 | WSH-0012 | PLAIN WASHER FORM A | 4 | | | | |
| 7 | WSH-0058 | SPRING WASHER | 2 | | | | |
| 8 | HMA-0057 | ADAPTOR MALE/MALE | 4 | | | | |
| 9 | WSH-1010 | DOWTY WASHER 3/8" | 4 | | | | |
| 10 | HHAE30005 | HYDRAULIC HOSE ASSY (3/8") | 2 | | | | |
| 11 | HMA-0065 | ADAPTOR MALE/MALE | 2 | | | | |
| 12 | WSH-1015 | DOWTY WASHER 1/2" | 2 | | | | |
| 13 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 14 | TIE-0004 | TIE WRAPS (MED) | 8 | | | | |
| 15 | NUT-0263 | NYLOC NUT | 2 | | | | |
| 16 | 591701 01 | VALVE BRKT | 1 | | | | |

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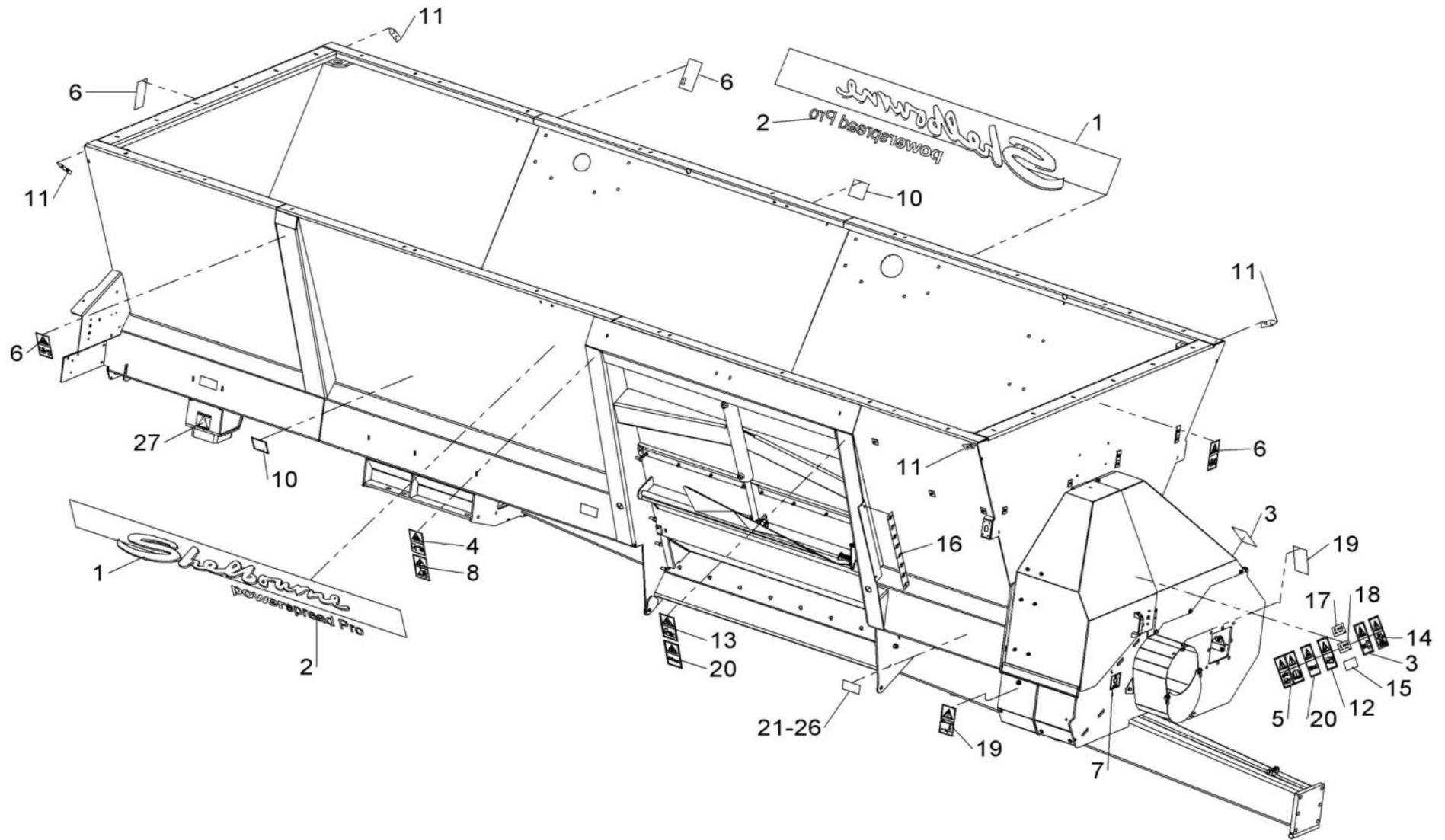
KIT-03748
KIT-03748a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03749 | | | | ASSY DESCRIPTION: POWERSPREAD TRANSFERS KIT (2400-3200) | | | |
|------------------------|-----------|-------------------------------|------|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591582 01 | SHELBOURNE TRANSFER | 2 | | | | |
| 2 | 591586 01 | POWERSPREAD PRO TARNFER | 2 | | | | |
| 3 | 193392 01 | STOP ENG TRANSFER | 2 | | | | |
| 4 | 590477 01 | FLYING OBJECTS TRANSFER | 1 | | | | |
| 5 | TNF-0011 | TRANSFER BLOCK | 1 | | | | |
| 6 | 590479 01 | DONT ENTER TUB.TRANSFER | 4 | | | | |
| 7 | 590475 01 | MAX PTO SPEED TRANSFER | 1 | | | | |
| 8 | 590476 01 | NO STEP TRANSFER | 1 | | | | |
| 9 | | | | | | | |
| 10 | 590788 01 | WHEEL NUTS TRANSFER | 2 | | | | |
| 11 | 190702 04 | SLING POINT TRANSFER | 4 | | | | |
| 12 | 800221 01 | HIGH PRESSURE FLUID TRANSFER | 1 | | | | |
| 13 | 260060 01 | TRANSFER-STAY CLEAR | 1 | | | | |
| 14 | 614959 01 | MAX. HYD. PRESSURE TRANSFER | 1 | | | | |
| 15 | 195391 01 | SHEARBOLT TRANSFER IMPELLAR | 1 | | | | |
| | | PSP18120258 & ON | | | | | |
| OR | 613205 01 | SHEARBOLT TRANSFER IMPELLAR | 1 | | | | |
| | | UPTO & INC PSP24120248 | | | | | |
| 16 | 591376 01 | HEIGHT INDICATOR EMBLEM | 1 | | | | |
| 17 | 591593 01 | SHEARBOLT TRANSFER AUGER | 1 | | | | |
| 18 | 591928 01 | SHEARBOLT EMBLEM PADDLE | 1 | | | | |
| | | PSP24130330 & ON | | | | | |
| OR | 591627 01 | SHEARBOLT EMBLEM PADDLE | 1 | | | | |
| | | UP TO & INCLUDING PSP24120239 | | | | | |
| 19 | 193391 01 | PTO GUARD TRANSFER | 2 | | | | |
| 20 | 800215 01 | CRUSHING HAZARD TRANSFER | 2 | | | | |
| 21 | TPE-00250 | REFLECTIVE TAPE - YELLOW | 0.1m | | | | |
| 22 | TPE-00250 | REFLECTIVE TAPE - YELLOW | 0.1m | | | | |
| 23 | TPE-00250 | REFLECTIVE TAPE - YELLOW | 0.1m | | | | |
| 24 | TPE-00250 | REFLECTIVE TAPE - YELLOW | 0.1m | | | | |
| 25 | TPE-00250 | REFLECTIVE TAPE - YELLOW | 0.1m | | | | |
| 26 | TPE-00250 | REFLECTIVE TAPE - YELLOW | 0.1m | | | | |
| 27 | 591927 01 | JACKING POINT SIGN | 2 | | | | |

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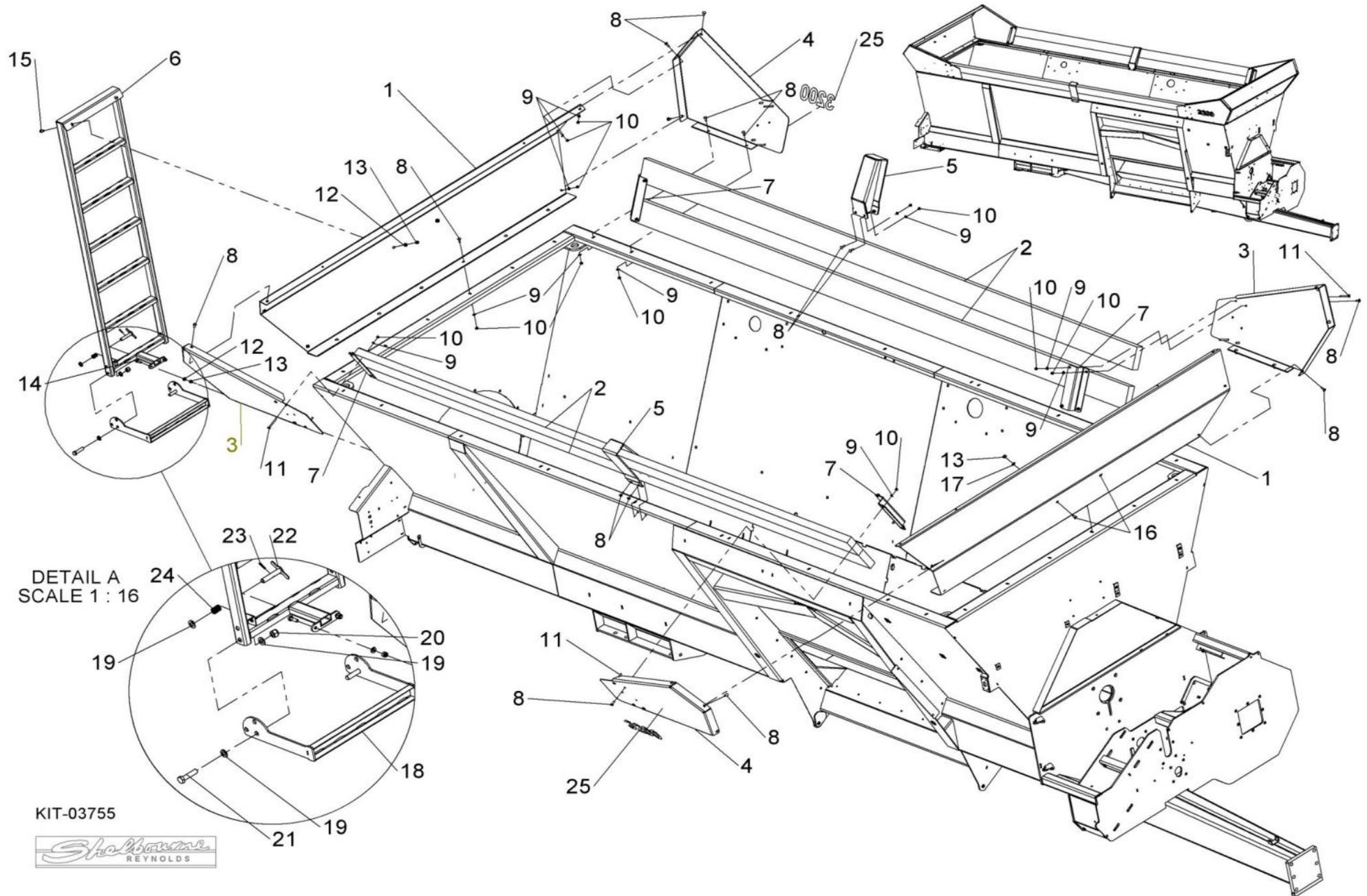
KIT-03749



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03755 | | | | ASSY DESCRIPTION: 3200 EXTENSION TOP KIT | | | |
|------------------------|-----------|--------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591483 01 | SLURRY PLATE | 2 | | | | |
| 2 | 591485 01 | TREATED SOFTWOOD (GREEN) | 4 | | | | |
| 3 | 591482 01 | LH END PANEL | 2 | | | | |
| 4 | 591482 02 | RH END PANEL | 2 | | | | |
| 5 | 591480 01 | MID BRACE W/ASSY | 2 | | | | |
| 6 | 591305 01 | LADDER W/A | 1 | | | | |
| 7 | 591481 01 | KEEP PLATE | 4 | | | | |
| 8 | BLTF08173 | COACH BOLT | 48 | | | | |
| 9 | WSH-0012 | WASHER | 58 | | | | |
| 10 | NUT-0263 | NUT | 56 | | | | |
| 11 | BLTF08470 | COACHBOLT | 8 | | | | |
| 12 | WSH-0015 | WASHER | 4 | | | | |
| 13 | NUT-0265 | NUT | 6 | | | | |
| 14 | HSS-0194 | BOLT | 2 | | | | |
| 15 | BLT-3745 | COACHBOLT | 2 | | | | |
| 16 | BLT-3740 | COACH BOLT | 2 | | | | |
| 17 | WSH-0018 | WASHER | 2 | | | | |
| 18 | 591496 01 | LADDER EXT W/A | 1 | | | | |
| 19 | WSH-0024 | WASHER | 5 | | | | |
| 20 | NUT-0271 | NUT | 2 | | | | |
| 21 | HSS-0322 | HEX HEAD SETSCREW | 2 | | | | |
| 22 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 23 | PIN-1620 | ROLL PIN | 1 | | | | |
| 24 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 25 | 591581 01 | 3200 TRANSFER | 2 | | | | |

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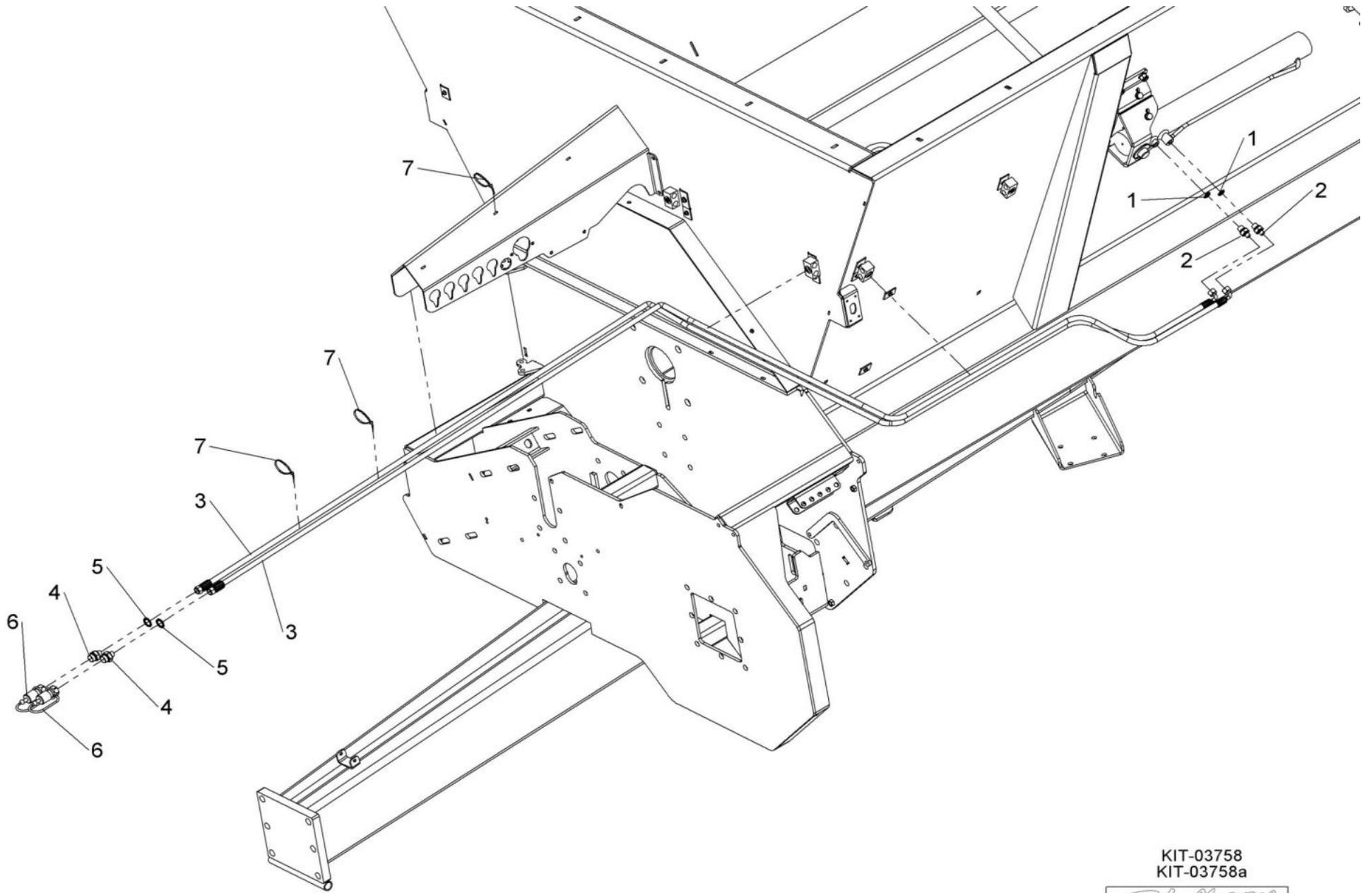


KIT-03755



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03758 | | | | ASSY DESCRIPTION: ANTI BRIDGE MAN HYD KIT | | | |
|------------------------|-----------|------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WSH-1005 | DOWTY WASHER | 2 | | | | |
| 2 | FIT-0025 | ADAPTOR | 2 | | | | |
| 3 | HHCE52005 | HYDRAULIC HOSE | 2 | | | | |
| 4 | HMA-0065 | ADAPTOR | 2 | | | | |
| 5 | WSH-1015 | DOWTY WASHER | 2 | | | | |
| 6 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 7 | TIE-0004 | TIE WRAPS (MED) | 8 | | | | |



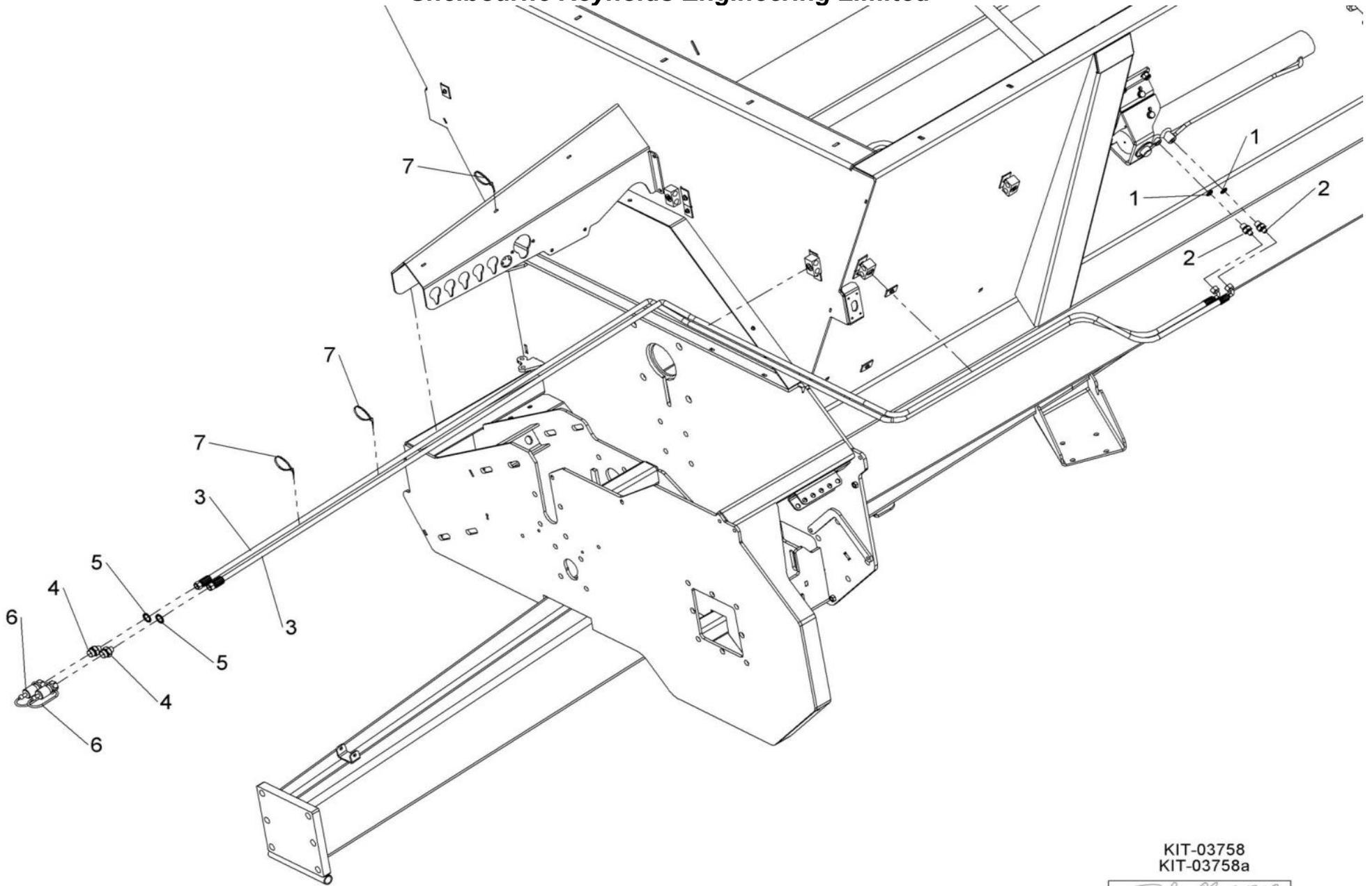
KIT-03758
KIT-03758a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03758a | | | | ASSY DESCRIPTION: ANT-BRIDGE MAN HYD KIT | | | |
|-------------------------|-----------|------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WSH-1005 | DOWTY WASHER | 2 | | | | |
| 2 | FIT-0025 | ADAPTOR | 2 | | | | |
| 3 | HHCE48005 | HYD HOSE ASSY | 2 | | | | |
| 4 | HMA-0065 | ADAPTOR | 2 | | | | |
| 5 | WSH-1015 | DOWTY WASHER | 2 | | | | |
| 6 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 7 | TIE-0004 | TIE WRAPS (MED) | 8 | | | | |

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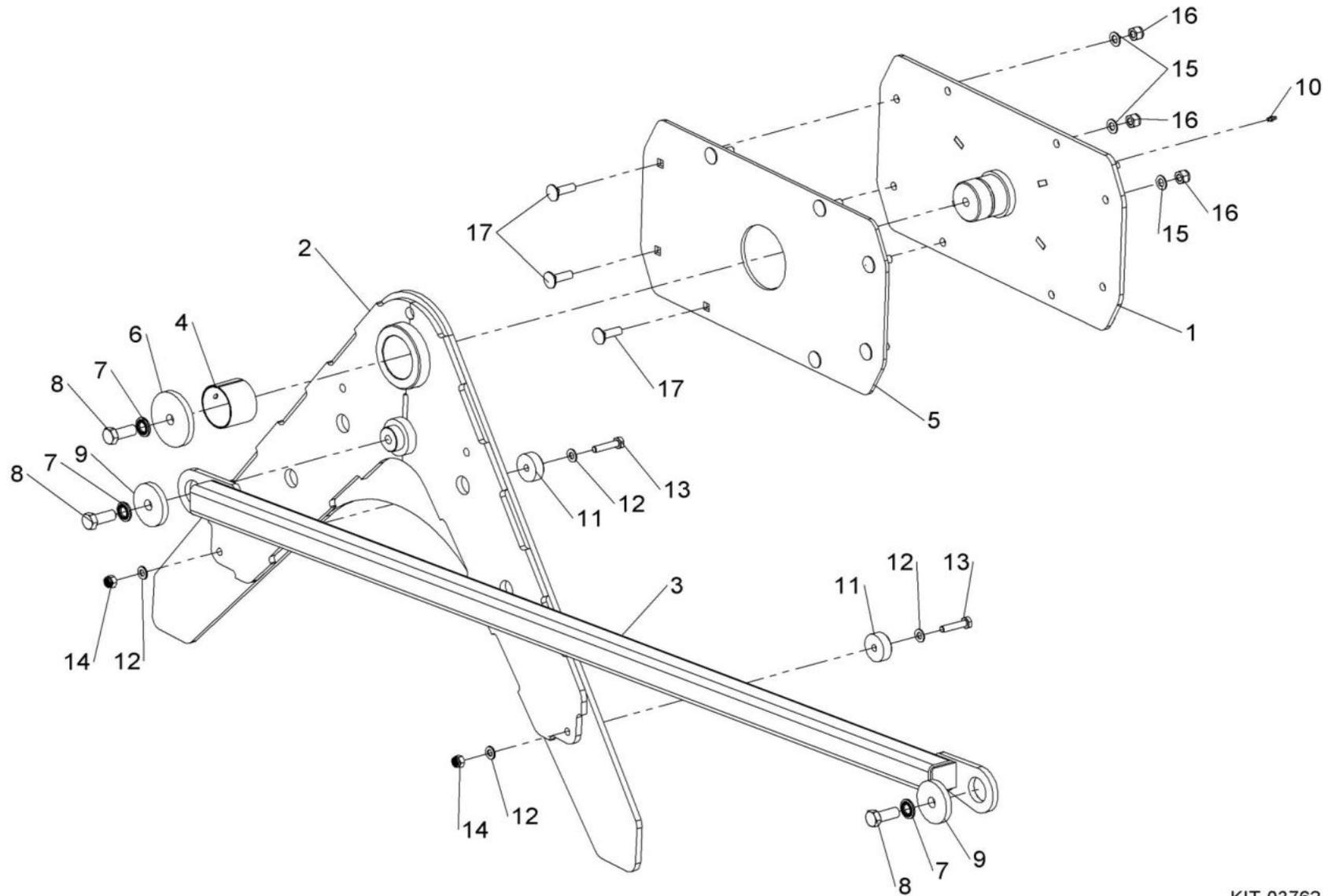
KIT-03758
KIT-03758a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03762 | | | | ASSY DESCRIPTION: REAR ANTI BRIDGE KIT | | | |
|------------------------|-----------|-------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591530 01 | MOUNTING BRACKET W/ASSY | 1 | | | | |
| 2 | 591527 01 | BRIDGE ARM W/ASSY | 1 | | | | |
| 3 | 591533 01 | CONNECTING BAR W/ASSY | 1 | | | | |
| 4 | BSHA06565 | BUSH | 1 | | | | |
| 5 | 591462 01 | LAMINATE PLATE | 1 | | | | |
| 6 | 190548 72 | WASHER | 1 | | | | |
| 7 | WSHA30161 | WASHER | 3 | | | | |
| 8 | HSS-0316 | SETSCREW | 3 | | | | |
| 9 | 198800 02 | WASHER | 2 | | | | |
| 9 | NIP-00600 | GREASE NIPPLE | 1 | | | | |
| 11 | 591353 01 | NYLON BUFFER | 2 | | | | |
| 12 | WSH-0015 | PLAIN WASHER | 4 | | | | |
| 13 | BLTA10290 | HEX.HEAD BOLT | 2 | | | | |
| 14 | NUT-0265 | NYLOC NUT | 2 | | | | |
| 15 | WSH-0018 | PLAIN WASHER | 8 | | | | |
| 16 | NUT-0269 | NUT | 8 | | | | |
| 17 | BLT-3800 | COACH BOLT | 8 | | | | |

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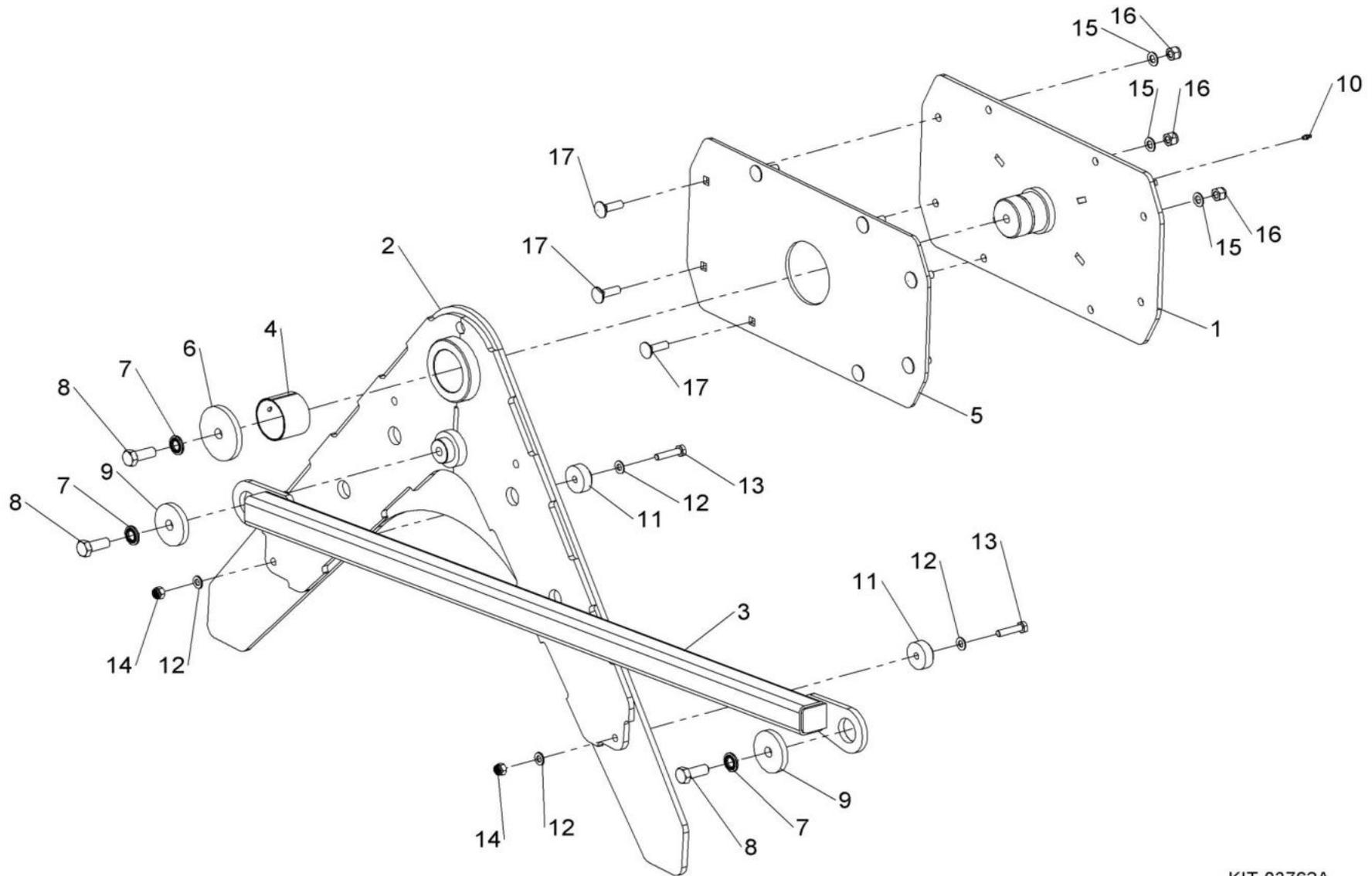
KIT-03762



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03762A | | | | ASSY DESCRIPTION: 1800G REAR ANTI-BRIDGING KIT | | | |
|-------------------------|-----------|-------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591530 01 | MOUNTING BRACKET W/ASSY | 1 | | | | |
| 2 | 591527 01 | BRIDGE ARM W/ASSY | 1 | | | | |
| 3 | 591876 01 | CONNECTING BAR W/ASSY | 1 | | | | |
| 4 | BSHA06565 | BUSH | 1 | | | | |
| 5 | 591462 01 | LAMINATE PLATE | 1 | | | | |
| 6 | 190548 72 | WASHER | 1 | | | | |
| 7 | WSHA30161 | WASHER | 3 | | | | |
| 8 | HSS-0316 | SETSCREW | 3 | | | | |
| 9 | 198800 02 | WASHER | 2 | | | | |
| 10 | NIP-00600 | GREASE NIPPLE | 1 | | | | |
| 11 | 591353 01 | NYLON BUFFER | 2 | | | | |
| 12 | WSH-0015 | PLAIN WASHER | 4 | | | | |
| 13 | BLTA10290 | HEX.HEAD BOLT | 2 | | | | |
| 14 | NUT-0265 | NYLOC NUT | 2 | | | | |
| 15 | WSH-0018 | PLAIN WASHER | 8 | | | | |
| 16 | NUT-0269 | NUT | 8 | | | | |
| 17 | BLT-3800 | COACH BOLT | 8 | | | | |

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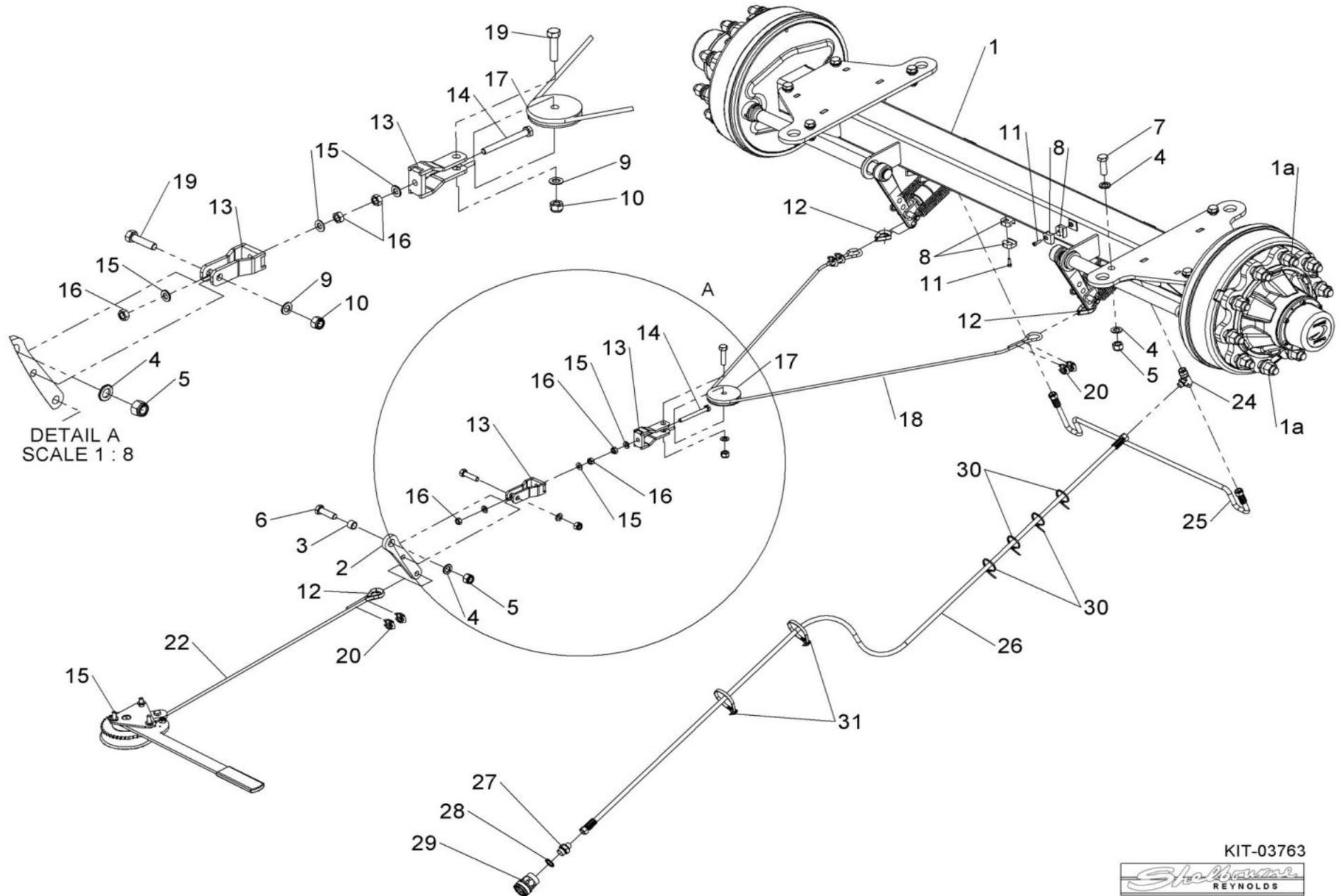


KIT-03762A
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| ASSY NUMBER: KIT-03763 | | | | ASSY DESCRIPTION: HYD AXLE KIT (UP TO & INC PSP18130293) | | | |
|------------------------|-----------|-------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591537 01 | HYDRAULIC AXLE W/A | 1 | | | | |
| 1A | AXL-12521 | WHEEL NUT DOMED | 20 | | | | |
| 2 | 591392 01 | HANDBRAKE LEVER | 1 | | | | |
| 3 | 591393 01 | PIVOT TUBE | 1 | | | | |
| 4 | WSH-0024 | PLAIN WASHER | 17 | | | | |
| 5 | NUT-0271 | NYLOC NUT | 9 | | | | |
| 6 | HSS-0319 | SET SCREW | 1 | | | | |
| 7 | HSS-0318 | SET SCREW | 8 | | | | |
| 8 | HCPA01200 | HYDRAULIC PIPE CLAMP | 2 | | | | |
| 9 | WSH-0018 | PLAIN WASHER | 2 | | | | |
| 10 | NUT-0269 | NUT | 2 | | | | |
| 11 | SCW-0083 | CAP HEAD SCREW | 2 | | | | |
| 12 | WRP-01050 | WIRE ROPE THIMBLE | 3 | | | | |
| 13 | 591397 01 | BRAKE CLEVIS W/A | 2 | | | | |
| 14 | HSSA10500 | SET SCREW | 1 | | | | |
| 15 | WSH-0015 | PLAIN WASHER | 3 | | | | |
| 16 | NUT-0167 | PLAIN NUT PLATED | 3 | | | | |
| 17 | 591399 01 | CABLE PULLEY | 1 | | | | |
| 18 | 591400 03 | HANDBRAKE CABLE | 1 | | | | |
| 19 | HSS-0260 | SETSCREW | 2 | | | | |
| 20 | WRP-02080 | WIRE CABLE CLAMP | 6 | | | | |
| 21 | LVR-00020 | HANDBRAKE ASSY | 1 | | | | |
| 22 | 591400 02 | HANDBRAKE CABLE | 1 | | | | |
| 24 | FITA10410 | HYDRAULIC TEE FITTING | 1 | | | | |
| 25 | HHAC06505 | HYDARULIC HOSE ASSY | 1 | | | | |
| 26 | HHAC95505 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 27 | HMA-0065 | ADAPTOR MALE/MALE | 1 | | | | |
| 28 | WSH-1015 | DOWTY WASHER | 1 | | | | |
| 29 | HQR-10007 | HYD.QUICK RELEASE COUP. | 1 | | | | |
| 30 | TIE-0004 | TIE WRAPS | 14 | | | | |
| 31 | TIE-0012 | TIE WRAPS | 4 | | | | |

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DETAIL A
SCALE 1 : 8

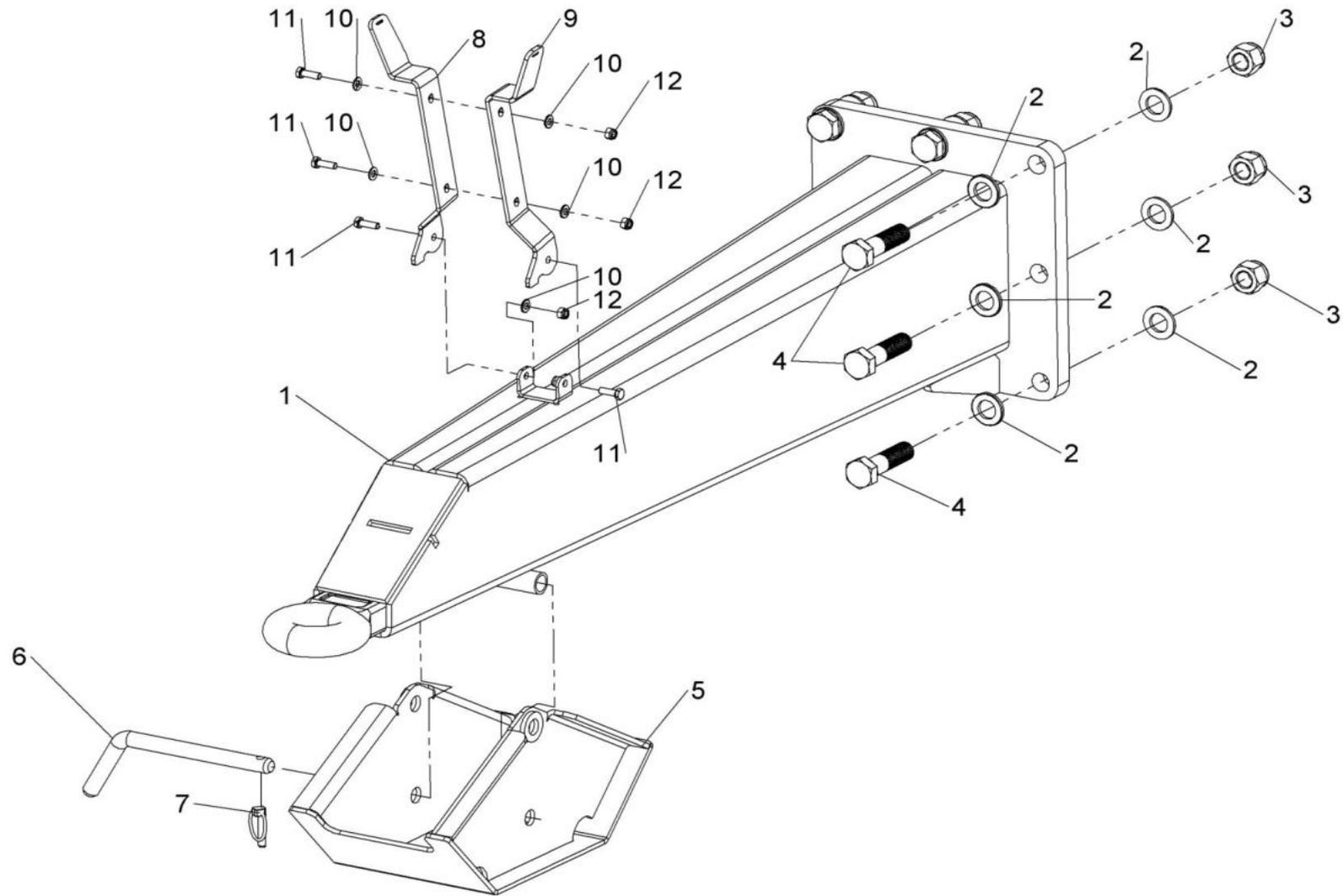
KIT-03763



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03764 | | | | ASSY DESCRIPTION: UK DRAWBAR KIT | | | |
|------------------------|-----------|----------------|-----|----------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591561 01 | UK DRAWBAR W/A | 1 | | | | |
| 2 | WSH-0036 | WASHER | 16 | | | | |
| 3 | NUT-0275 | NUT | 8 | | | | |
| 4 | BLTA24530 | HEX HEAD BOLT | 8 | | | | |
| 5 | 591683 01 | FOOT W/A | 1 | | | | |
| 6 | 591567 01 | LOCKING PIN | 1 | | | | |
| 7 | PIN-01950 | LYNCH PIN | 1 | | | | |
| 8 | 591378 01 | PTO STAND LH | 1 | | | | |
| 9 | 591378 02 | PTO STAND RH | 1 | | | | |
| 10 | WSH-0012 | WASHER | 6 | | | | |
| 11 | HSS-0145 | BOLT | 4 | | | | |
| 12 | NUT-0263 | NUT | 4 | | | | |

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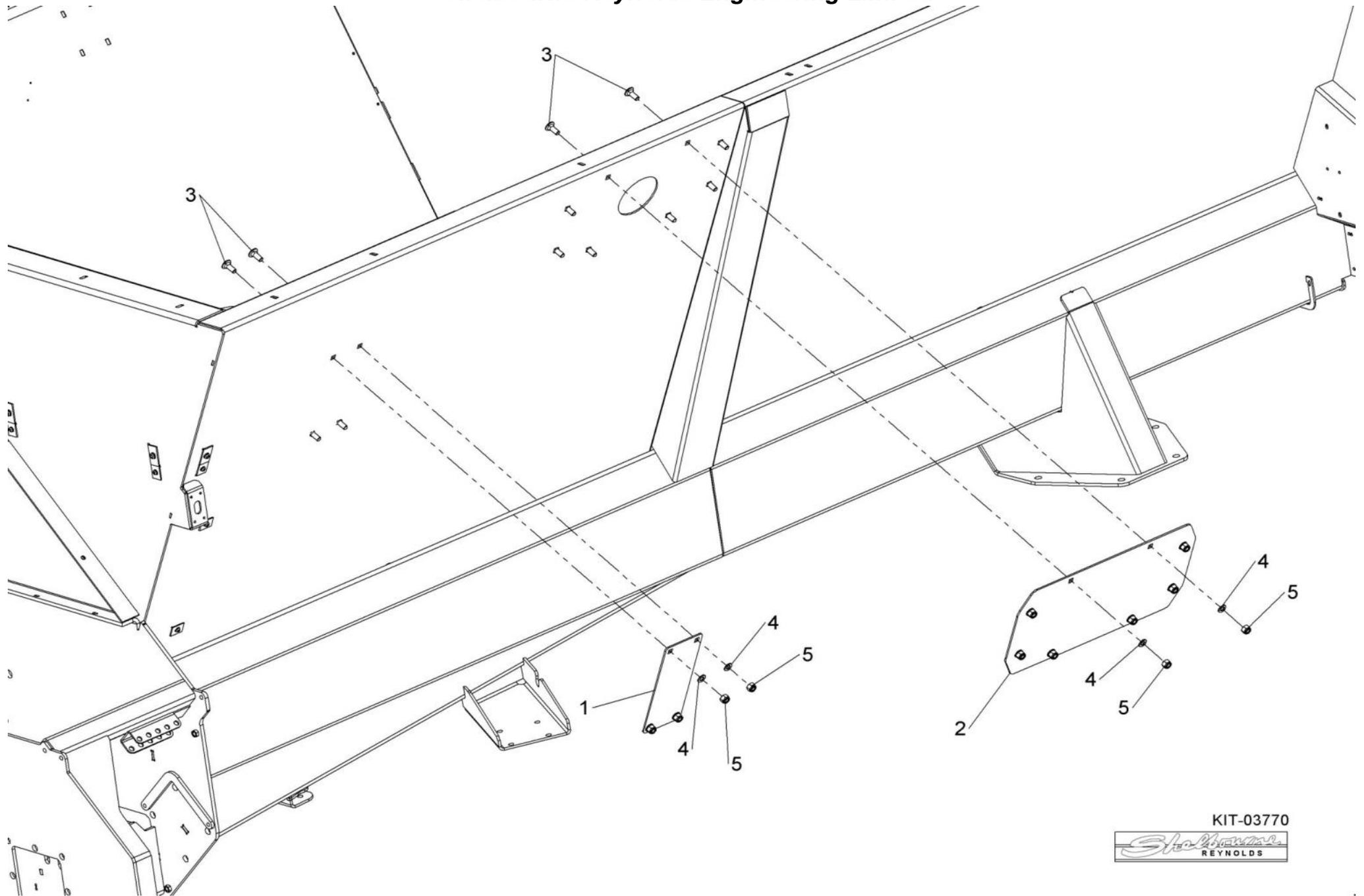


KIT-03764



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03770 | | | | ASSY DESCRIPTION: BLANKING PLATE KIT | | | |
|------------------------|-----------|-------------------|-----|--------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591469 01 | SMALL BLANK PLATE | 1 | | | | |
| 2 | 591467 01 | LARGE COVER PLATE | 1 | | | | |
| 3 | BLT-3790 | COACH BOLT | 12 | | | | |
| 4 | WSH-0018 | WASHER | 12 | | | | |
| 5 | NUT-0269 | NUT | 12 | | | | |



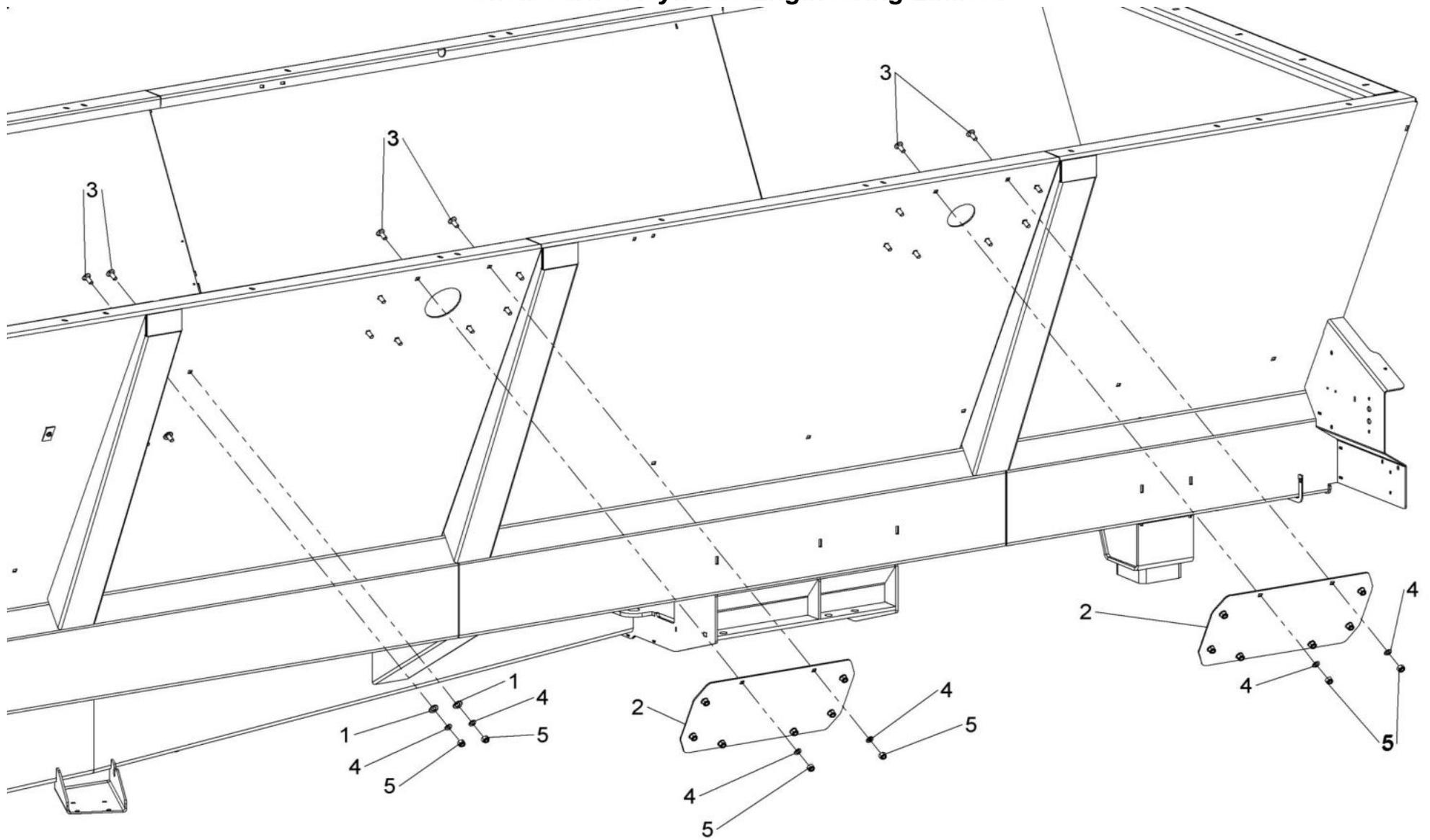
KIT-03770



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03771 | | | | ASSY DESCRIPTION: BLANKING PLATE KIT | | | |
|------------------------|-----------|-------------------|-----|--------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WSH-0024 | WASHER | 4 | | | | |
| 2 | 591467 01 | LARGE COVER PLATE | 2 | | | | |
| 3 | BLT-3790 | COACH BOLT | 20 | | | | |
| 4 | WSH-0018 | WASHER | 20 | | | | |
| 5 | NUT-0269 | NUT | 20 | | | | |

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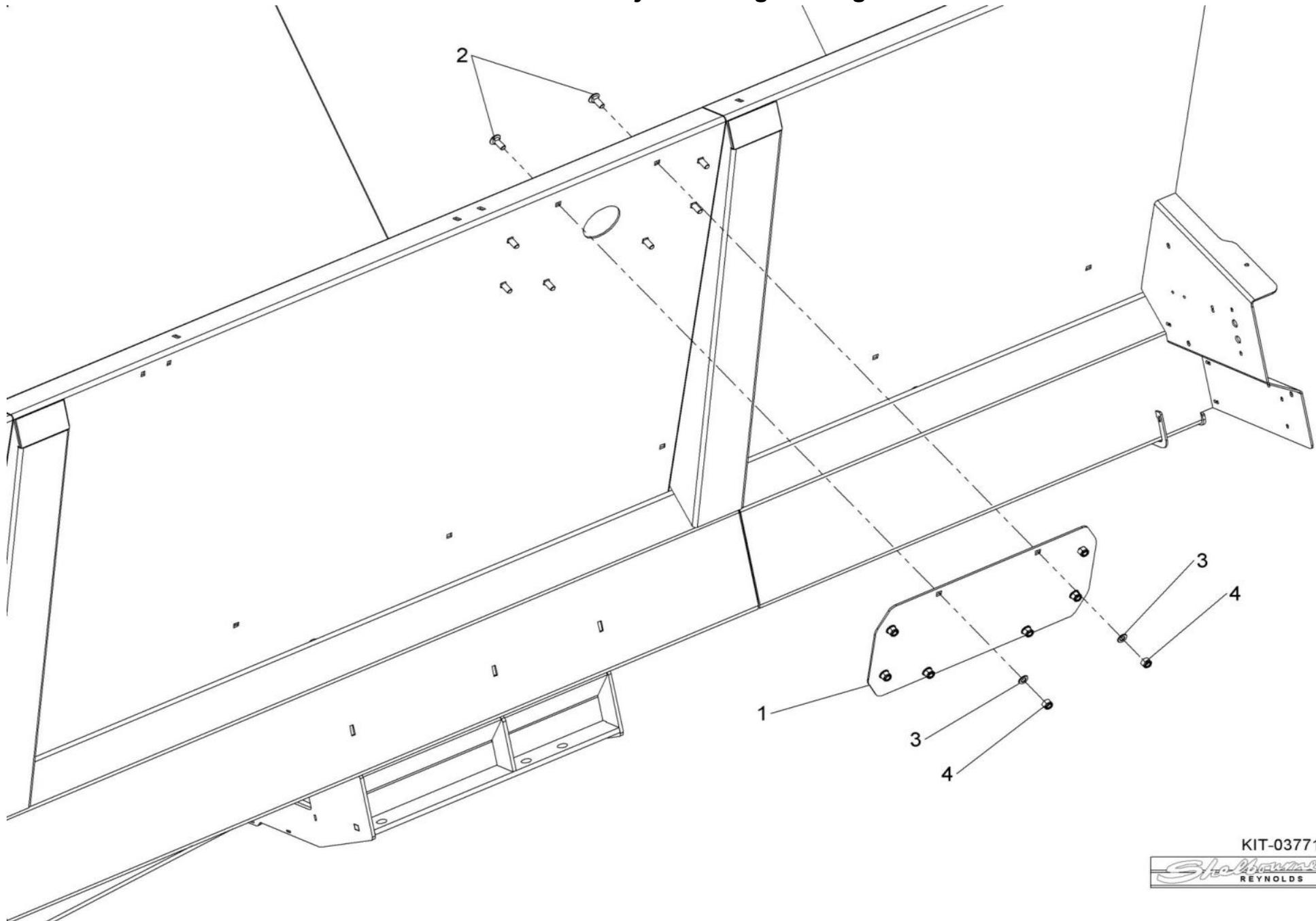
KIT-03771



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03771a | | | | ASSY DESCRIPTION: BLANKING PLATE KIT | | | |
|-------------------------|-----------|-------------------|-----|--------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591467 01 | LARGE COVER PLATE | 1 | | | | |
| 2 | BLT-3790 | COACH BOLT | 8 | | | | |
| 3 | WSH-0018 | WASHER | 8 | | | | |
| 4 | NUT-0269 | NUT | 8 | | | | |

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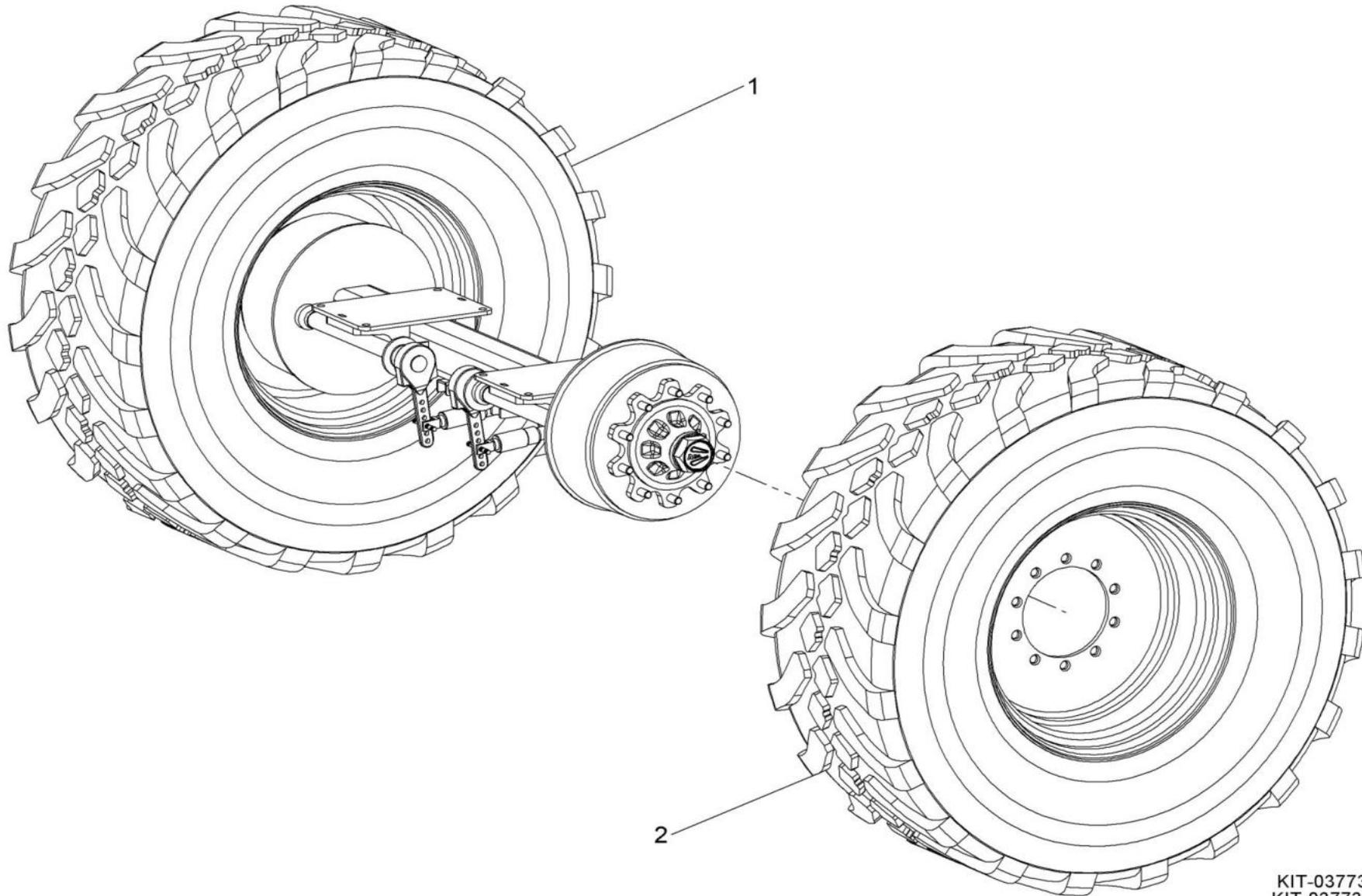
KIT-03771a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03773 | | | | ASSY DESCRIPTION: WHEEL & TYRE KIT | | | |
|------------------------|-----------|----------------------|-----|------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-02620 | LH WHEEL & TYRE ASSY | 1 | | | | |
| 2 | WHL-02621 | RH WHEEL & TYRE ASSY | 1 | | | | |

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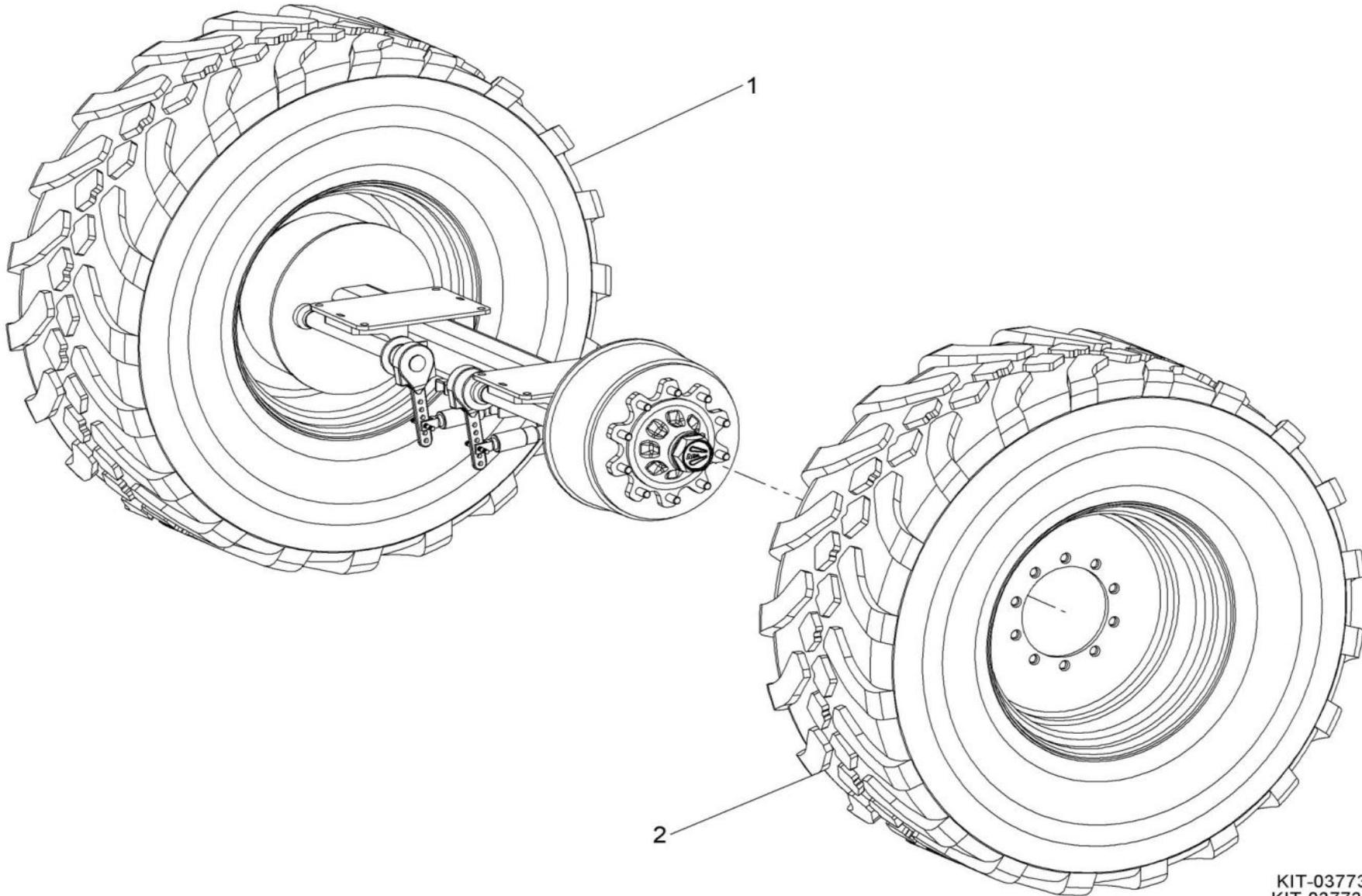
KIT-03773
KIT-03773a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03773a | | | | ASSY DESCRIPTION: WHEEL & TYRE KIT | | | |
|-------------------------|-----------|----------------------|-----|------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-02625 | LH WHEEL & TYRE ASSY | 1 | | | | |
| 2 | WHL-02624 | RH WHEEL & TYRE ASSY | 1 | | | | |

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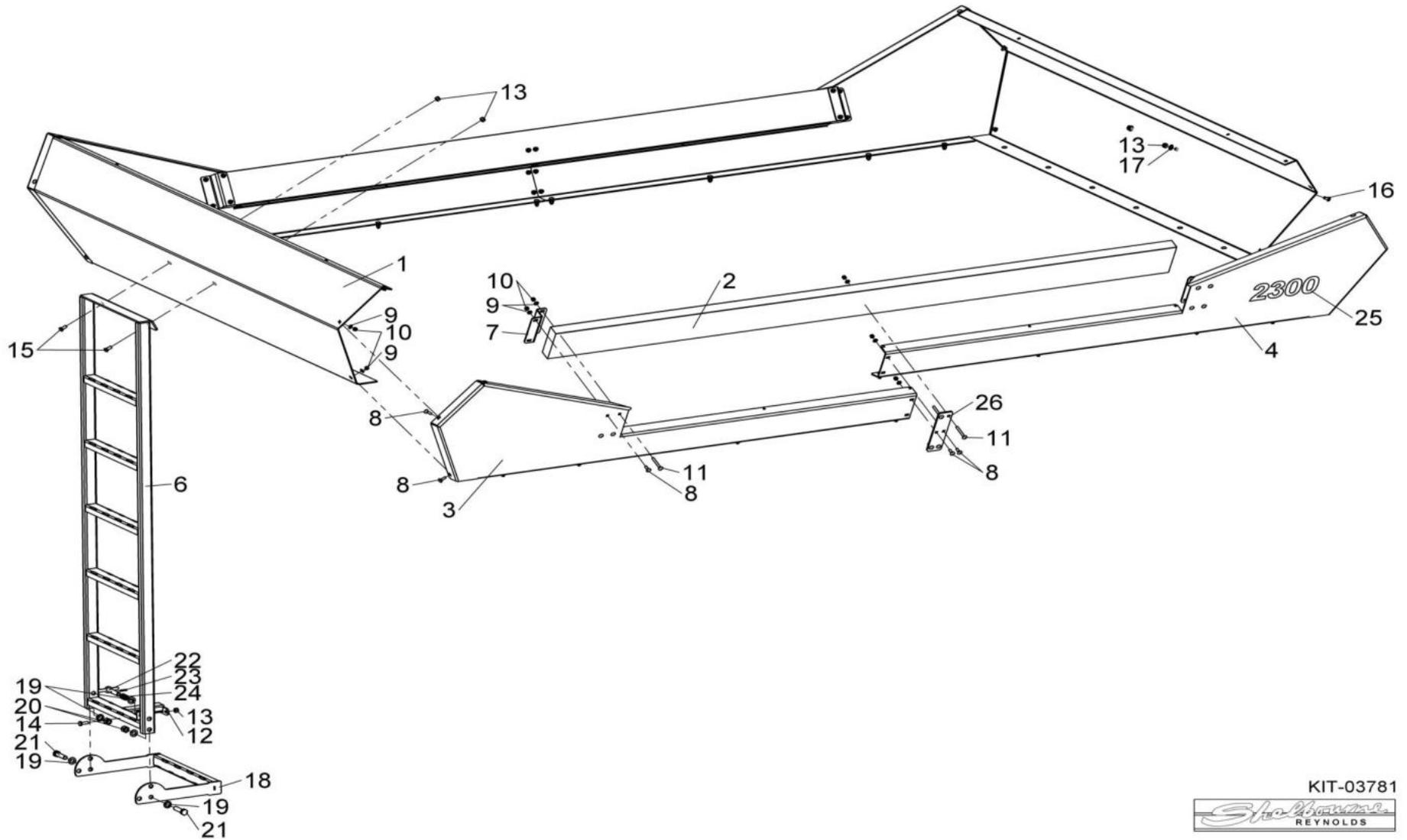
KIT-03773
KIT-03773a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03781 | | | | ASSY DESCRIPTION: 2300 EXTENSION TOP KIT | | | |
|------------------------|-----------|--------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591483 01 | SLURRY PLATE | 2 | | | | |
| 2 | 591485 02 | WOODEN CANOPY | 2 | | | | |
| 3 | 591618 01 | END PANEL LH | 2 | | | | |
| 4 | 591618 02 | END PANEL RH | 2 | | | | |
| 6 | 591305 01 | LADDER W/A | 1 | | | | |
| 7 | 591619 01 | CLAMP PLATE | 4 | | | | |
| 8 | BLTF08173 | COACH BOLT | 56 | | | | |
| 9 | WSH-0012 | WASHER | 68 | | | | |
| 10 | NUT-0263 | NUT | 68 | | | | |
| 11 | BLTF08443 | COACHBOLT | 12 | | | | |
| 12 | WSH-0015 | WASHER | 4 | | | | |
| 13 | NUT-0265 | NUT | 6 | | | | |
| 14 | HSS-0194 | BOLT | 2 | | | | |
| 15 | BLT-3745 | COACHBOLT | 2 | | | | |
| 16 | BLT-3740 | COACH BOLT | 2 | | | | |
| 17 | WSH-0018 | WASHER | 2 | | | | |
| 18 | 591496 01 | LADDER EXT W/A | 1 | | | | |
| 19 | WSH-0024 | WASHER | 5 | | | | |
| 20 | NUT-0271 | NUT | 2 | | | | |
| 21 | HSS-0322 | SETSCREW | 2 | | | | |
| 22 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 23 | PIN-1620 | ROLL PIN | 1 | | | | |
| 24 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 25 | 591583 01 | 2300 TRANSFER | 2 | | | | |
| 26 | 591620 01 | CLAMP PLATE | 2 | | | | |

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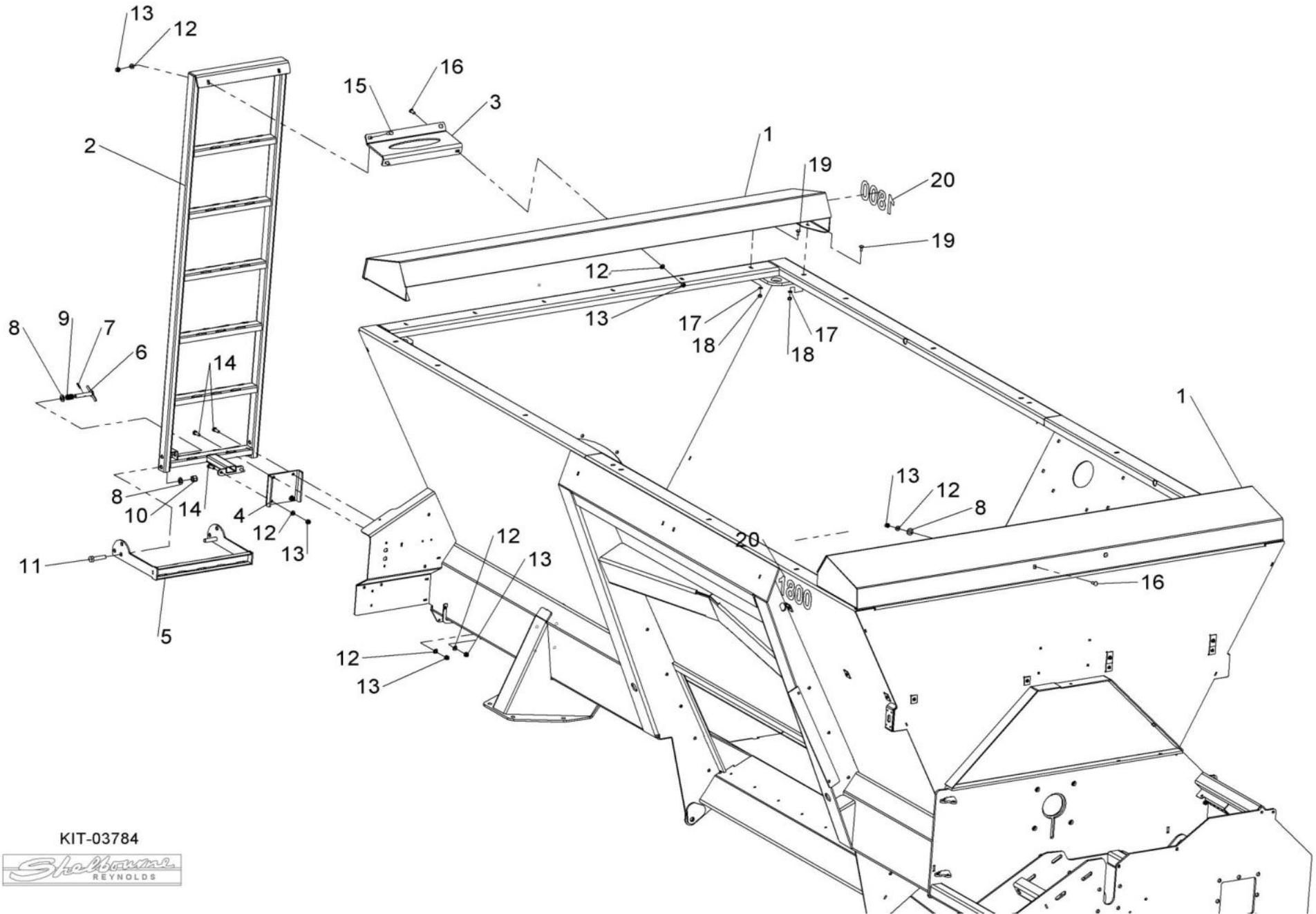
KIT-03781



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03784 | | | | ASSY DESCRIPTION: 1800 & 2400 SLURRY CANOPY KIT | | | |
|------------------------|-----------|---------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591760 01 | SLURRY CANOPY W/A | 2 | | | | |
| 2 | 591305 01 | LADDER W/A | 1 | | | | |
| 3 | 591762 01 | UPPER FIXING BRKT | 1 | | | | |
| 4 | 591763 01 | LOWER FIXING BRKT | 1 | | | | |
| 5 | 591496 01 | LADDER EXT W/A | 1 | | | | |
| 6 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 7 | PIN-1620 | ROLL PIN | 1 | | | | |
| 8 | WSH-0024 | PLAIN WASHER FORM A | 5 | | | | |
| 9 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 10 | NUT-0271 | NYLOC NUT | 2 | | | | |
| 11 | HSS-0322 | HEX HEAD SETSCREW | 2 | | | | |
| 12 | WSH-0015 | PLAIN WASHER | 10 | | | | |
| 13 | NUT-0265 | NYLOC NUT | 10 | | | | |
| 14 | HSS-0194 | BOLT | 4 | | | | |
| 15 | BLT-3750 | BOLT | 2 | | | | |
| 16 | BLT-3745 | COACHBOLT | 4 | | | | |
| 17 | WSH-0012 | PLAIN WASHER FORM A | 16 | | | | |
| 18 | NUT-0263 | NYLOC NUT | 16 | | | | |
| 19 | BLT-4710 | COACH BOLT | 16 | | | | |
| 20 | 591757 01 | 1800 TRANSFER | 2 | | | | |

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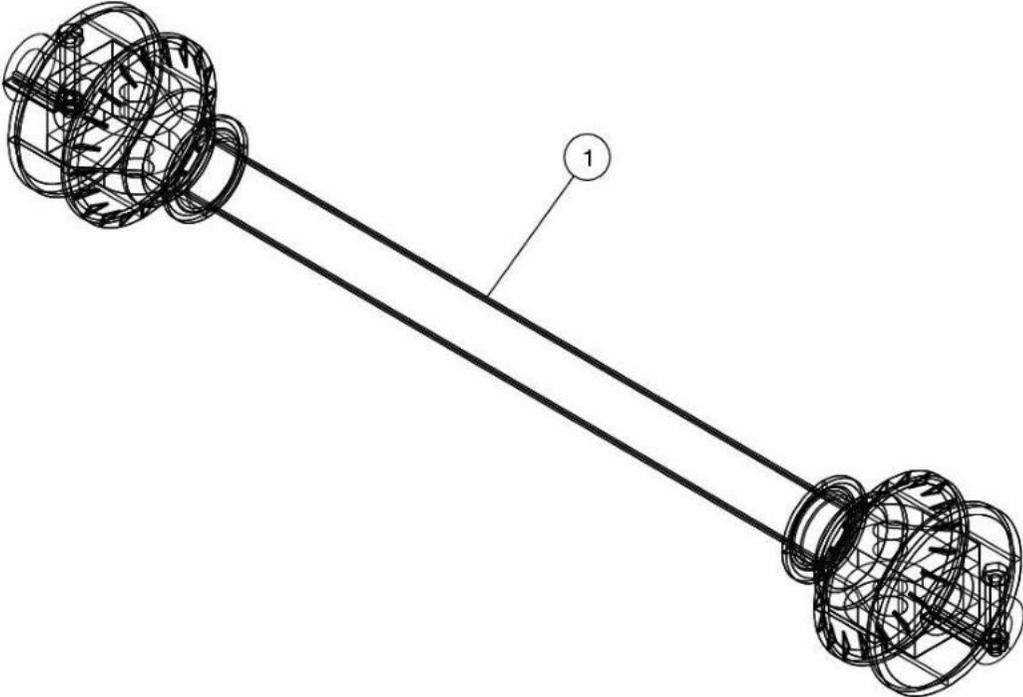


KIT-03784



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03799 | | | | ASSY DESCRIPTION: WIDE ANGLE PTO SHAFT KIT | | | |
|------------------------|-----------|----------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | PTO-29021 | PTO SHAFT ASSY | 1 | | | | |

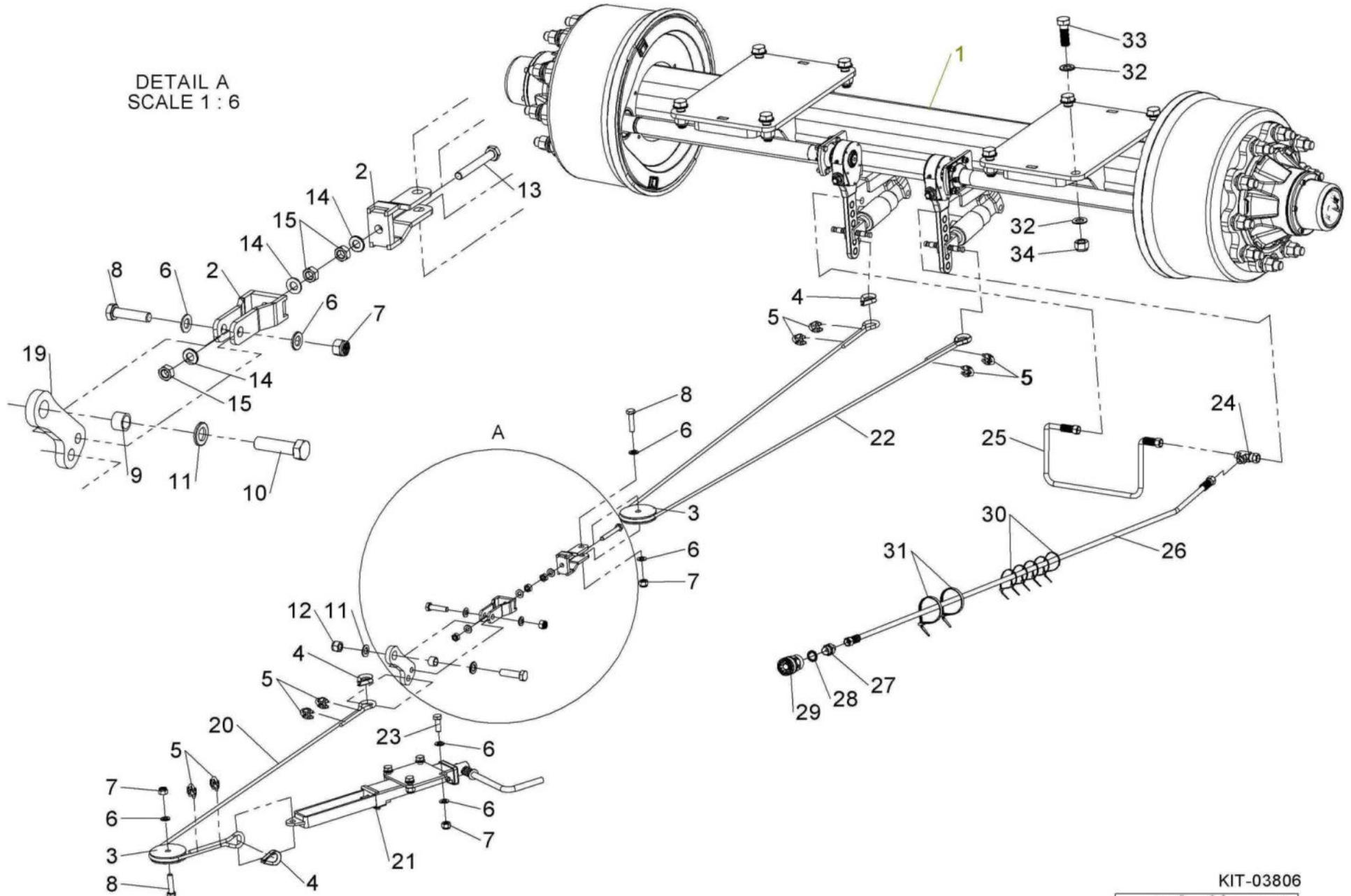


KIT-03799

Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03806 | | | | ASSY DESCRIPTION: SINGLE HYDRAULIC AXLE KIT (2400-3200) | | | |
|------------------------|-----------|---|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591963 01 | HYDRAULIC AXLE W/A PSP24140429 & ON | 1 | | | | |
| OR | 591387 01 | HYDRAULIC AXLE W/A UP TO & INC PSP24140392 | 1 | | | | |
| 1a | AXL-12521 | WHEEL NUT | 1 | | | | |
| 2 | 591397 01 | BRAKE CLEVIS W/A | 2 | | | | |
| 3 | 591399 01 | CABLE PULLEY | 2 | | | | |
| 4 | WRP-01050 | WIRE ROPE THIMBLE | 4 | | | | |
| 5 | WRP-02080 | WIRE CABLE CLAMP | 8 | | | | |
| 6 | WSH-0018 | WASHER | 11 | | | | |
| 7 | NUT-0269 | NUT | 7 | | | | |
| 8 | HSS-0260 | SETSCREW | 3 | | | | |
| 9 | 591393 01 | PIVOT TUBE | 1 | | | | |
| 10 | HSS-0320 | SETSCREW | 1 | | | | |
| 11 | WSH-0024 | WASHER | 2 | | | | |
| 12 | NUT-0271 | NUT | 1 | | | | |
| 13 | HSSA10500 | SETSCREW | 1 | | | | |
| 14 | WSH-0015 | WASHER | 3 | | | | |
| 15 | NUT-0167 | NUT | 3 | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | 591879 01 | LINK LEVER | 1 | | | | |
| 20 | 591400 05 | HANDBRAKE CABLE | 1 | | | | |
| 21 | 591880 01 | HANDBRAKE W/A | 1 | | | | |
| 22 | 591400 04 | HANDBRAKE CABLE | 1 | | | | |
| 23 | HSS-0241 | SETSCREW | 4 | | | | |
| 24 | FITA10410 | HYDRAULIC TEE FITTING | 1 | | | | |
| 25 | HHEC02705 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 26 | HHAC95505 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 27 | HMA-0065 | ADAPTOR MALE/MALE | 1 | | | | |
| 28 | WSH-1015 | DOWTY WASHER | 1 | | | | |
| 29 | HQR-10007 | HYD.QUICK RELEASE COUP. | 1 | | | | |
| 30 | TIE-0004 | TIE WRAPS | 14 | | | | |
| 31 | TIE-0012 | TIE WRAPS | 4 | | | | |
| 32 | WSH-0030 | WASHER | 16 | | | | |
| 33 | BLT-2366 | BOLT) | 8 | | | | |
| 34 | NUTA02200 | NUT | 8 | | | | |

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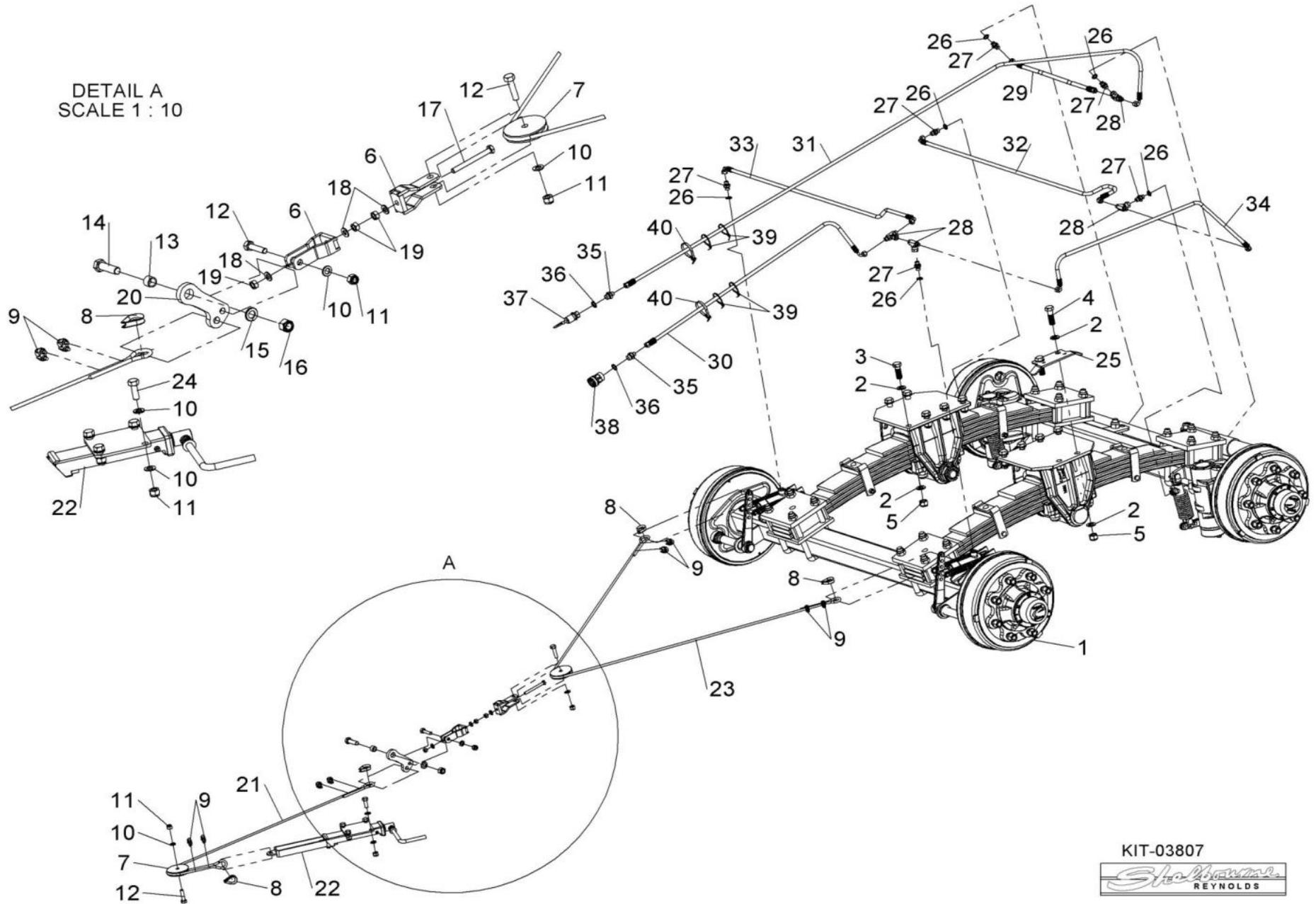
KIT-03806



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| ASSY NUMBER: KIT-03807 | | | | ASSY DESCRIPTION: TANDEM HYDRAULIC AXLE KIT (2400-3200) | | | |
|------------------------|-----------|---------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | AXL-00225 | TANDEM STEERING AXLE ASSY | | | | | |
| 2 | WSH-0030 | WASHER | 24 | | | | |
| 3 | BLT-2366 | BOLT | 8 | | | | |
| 4 | BLT-2367 | BOLT | 4 | | | | |
| 5 | NUTA02200 | NUT | 12 | | | | |
| 6 | 591397 01 | BRAKE CLEVIS W/A | 2 | | | | |
| 7 | 591399 01 | CABLE PULLEY | 2 | | | | |
| 8 | WRP-01050 | WIRE ROPE THIMBLE | 4 | | | | |
| 9 | WRP-02080 | WIRE CABLE CLAMP | 8 | | | | |
| 10 | WSH-0018 | WASHER | 11 | | | | |
| 11 | NUT-0269 | NUT | 7 | | | | |
| 12 | HSS-0260 | SETSCREW | 3 | | | | |
| 13 | 591393 01 | PIVOT TUBE | 1 | | | | |
| 14 | HSS-0319 | SETSCREW | 1 | | | | |
| 15 | WSH-0024 | WASHER | 1 | | | | |
| 16 | NUT-0271 | NUT | 1 | | | | |
| 17 | HSSA10500 | SETSCREW | 1 | | | | |
| 18 | WSH-0015 | WASHER | 3 | | | | |
| 19 | NUT-0167 | NUT | 3 | | | | |
| 20 | 591879 01 | LINK LEVER | 1 | | | | |
| 21 | 591400 05 | HANDBRAKE CABLE | 1 | | | | |
| 22 | 591880 01 | HANDBRAKE W/A | 1 | | | | |
| 23 | 591400 01 | HANDBRAKE CABLE | 1 | | | | |
| 24 | HSS-0241 | SETSCREW | 4 | | | | |
| 25 | 591889 01 | HOSE FIXING PLATE | 1 | | | | |
| 26 | WSH-1010 | DOWTY WASHER | 6 | | | | |
| 27 | HMA-0057 | HYD ADAPTOR | 6 | | | | |
| 28 | FITA10410 | HYDRAULIC TEE FITTING | 4 | | | | |
| 29 | HHBE04705 | HYD HOSE ASSY (REVERSE PISTON) | 1 | | | | |
| 30 | 591890 01 | HYD HOSE ASSY (BRAKE/TRA 11.5m) | 1 | | | | |
| 31 | 591890 02 | HYD HOSE ASSY (REV/TRA 13m) | 1 | | | | |
| 32 | HHEE16005 | HYD HOSE ASSY (REAR RAMS 1.6m) | 1 | | | | |
| 33 | HHEE13005 | HYD HOSE ASSY (FRT RAMS 1.3m) | 1 | | | | |
| 34 | HHEE11005 | HYD HOSE ASSY (FRT/REAR 1.1m) | 1 | | | | |
| 35 | HMA-0065 | HYD ADAPTOR | 2 | | | | |
| 36 | WSH-1015 | DOWTY WASHER | 2 | | | | |
| 37 | COU-0162 | QUICK RELEASE COUPLING | 1 | | | | |
| 38 | HQR-10007 | QUICK RELEASE COUPLNG | 1 | | | | |
| 39 | TIE-0004 | TIE WRAPS | 16 | | | | |
| 40 | TIE-0012 | TIE WRAPS | 4 | | | | |

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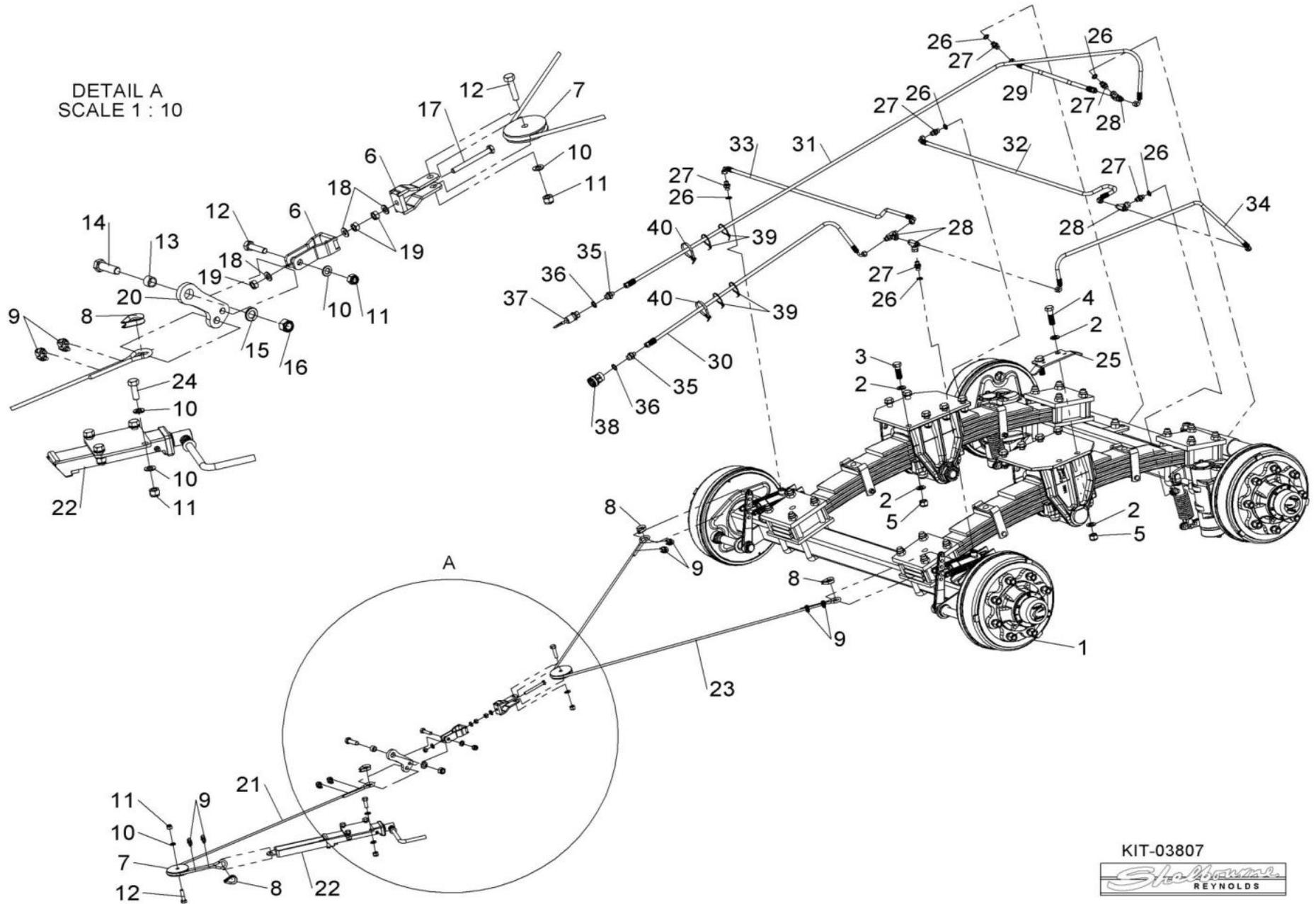


KIT-03807
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REYNOLDS

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| ASSY NUMBER: KIT-03807A | | | | ASSY DESCRIPTION: TANDEM HYDRAULIC AXLE KIT (2400-3200) | | | |
|-------------------------|-----------|--------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | AXL-00240 | TANDEM STEERING AXLE (1480mm) | 1 | | | | |
| 2 | WSH-0030 | WASHER | 24 | | | | |
| 3 | BLT-2366 | BOLT | 10 | | | | |
| 4 | BLT-2367 | BOLT | 2 | | | | |
| 5 | NUTA02200 | NUT | 12 | | | | |
| 6 | 591397 01 | BRAKE CLEVIS W/A | 2 | | | | |
| 7 | 591399 01 | CABLE PULLEY | 2 | | | | |
| 8 | WRP-01050 | WIRE ROPE THIMBLE | 4 | | | | |
| 9 | WRP-02080 | WIRE CABLE CLAMP | 8 | | | | |
| 10 | WSH-0018 | WASHER | 11 | | | | |
| 11 | NUT-0269 | NUT | 7 | | | | |
| 12 | HSS-0260 | SETSCREW | 3 | | | | |
| 13 | 591393 01 | PIVOT TUBE | 1 | | | | |
| 14 | HSS-0319 | SETSCREW | 1 | | | | |
| 15 | WSH-0024 | WASHER | 1 | | | | |
| 16 | NUT-0271 | NUT | 1 | | | | |
| 17 | HSSA10500 | SETSCREW | 1 | | | | |
| 18 | WSH-0015 | WASHER | 3 | | | | |
| 19 | NUT-0167 | NUT | 3 | | | | |
| 20 | 591879 01 | LINK LEVER | 1 | | | | |
| 21 | 591400 05 | HANDBRAKE CABLE | 1 | | | | |
| 22 | 591880 01 | HANDBRAKE W/A | 1 | | | | |
| 23 | 591400 01 | HANDBRAKE CABLE | 1 | | | | |
| 24 | HSS-0241 | SETSCREW | 4 | | | | |
| 25 | 591889 01 | HOSE FIXING PLATE | 1 | | | | |
| 26 | WSH-1010 | DOWTY WASHER | 6 | | | | |
| 27 | HMA-0057 | HYD ADAPTOR | 6 | | | | |
| 28 | FITA10410 | HYDRAULIC TEE FITTING | 4 | | | | |
| 29 | HHBE04705 | HYD HOSE ASSY (REVERSE PISTON) | 1 | | | | |
| 30 | HHBE92005 | HYD HOSE ASSY (BRAKE/TRA 9.2m) | 1 | | | | |
| 31 | 591890 02 | HYD HOSE ASSY (REV/TRA 10.9m) | 1 | | | | |
| 32 | HHEE17005 | HYD HOSE ASSY (REAR RAMS 1.7m) | 1 | | | | |
| 33 | HHEE15005 | HYD HOSE ASSY (FRT RAMS 1.5m) | 1 | | | | |
| 34 | HHEE14005 | HYD HOSE ASSY (FRT/REAR 1.4m) | 1 | | | | |
| 35 | HMA-0065 | HYD ADAPTOR | 2 | | | | |
| 36 | WSH-1015 | DOWTY WASHER | 2 | | | | |
| 37 | COU-0162 | QUICK RELEASE COUPLING | 1 | | | | |
| 38 | HQR-10007 | QUICK RELEASE COUPLNG | 1 | | | | |
| 39 | TIE-0004 | TIE WRAPS | 16 | | | | |
| 40 | TIE-0012 | TIE WRAPS | 4 | | | | |

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KIT-03807
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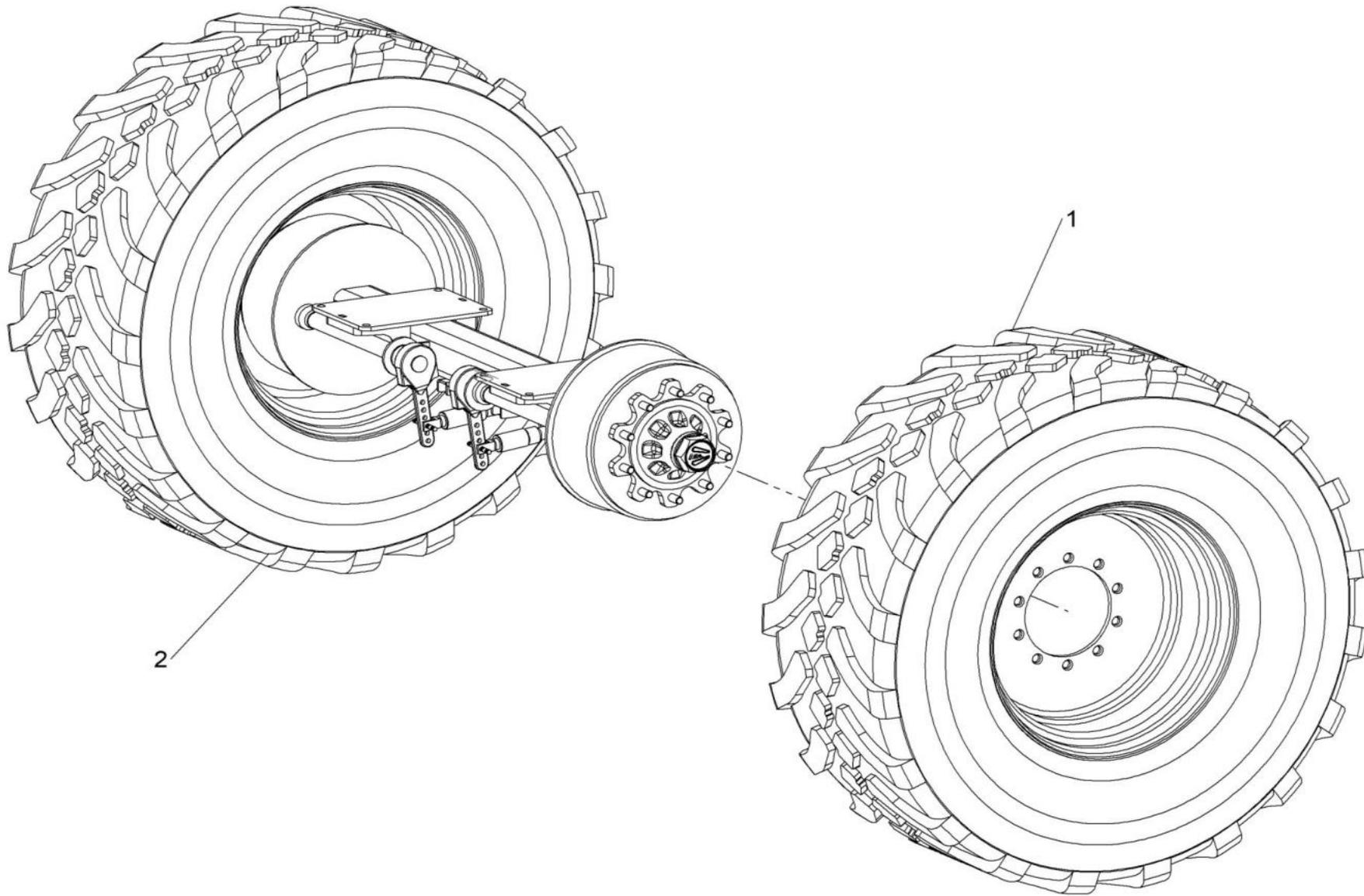
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| ASSY NUMBER: KIT-03808 | | | | ASSY DESCRIPTION: HYDRAULIC AXLE KIT(PSP18130303 & ON) | | | |
|------------------------|-----------|--|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592164 01 | HYDRAULIC AXLE W/A (130mm) | 1 | | | | |
| 1a | AXL-12521 | WHEEL NUT (SER No PSP18160562 & ON) | 1 | | | | |
| OR | 591537 01 | HYDRAULIC AXLE W/A (110mm) | 1 | | | | |
| 1a | AXL-12521 | WHEEL NUT (UP TO & INC PSP18160538) | 1 | | | | |
| 2 | 591397 01 | BRAKE CLEVIS W/A | 2 | | | | |
| 3 | 591399 01 | CABLE PULLEY | 2 | | | | |
| 4 | WRP-01050 | WIRE ROPE THIMBLE | 4 | | | | |
| 5 | WRP-02080 | WIRE CABLE CLAMP | 8 | | | | |
| 6 | WSH-0018 | WASHER | 11 | | | | |
| 7 | NUT-0269 | NUT | 7 | | | | |
| 8 | HSS-0260 | SETSCREW | 3 | | | | |
| 9 | 591393 01 | PIVOT TUBE | 1 | | | | |
| 10 | HSS-0319 | SETSCREW | 1 | | | | |
| 11 | WSH-0024 | WASHER | 17 | | | | |
| 12 | NUT-0271 | NUT | 9 | | | | |
| 13 | HSSA10500 | SETSCREW | 1 | | | | |
| 14 | WSH-0015 | WASHER | 3 | | | | |
| 15 | NUT-0167 | NUT | 3 | | | | |
| 16 | HSS-0318 | SETSCREW | 8 | | | | |
| 17 | HCPD01400 | HYD PIPE CLAMP | 2 | | | | |
| 18 | SCW-0136 | CP HD SCREW | 2 | | | | |
| 19 | 591879 01 | LINK LEVER | 1 | | | | |
| 20 | 591400 05 | HANDBRAKE CABLE | 1 | | | | |
| 21 | 591880 01 | HANDBRAKE W/A | 1 | | | | |
| 22 | 591400 02 | HANDBRAKE CABLE | 1 | | | | |
| 23 | HSS-0241 | SETSCREW | 4 | | | | |
| 24 | FITA10410 | HYDRAULIC TEE FITTING | 1 | | | | |
| 25 | HHAC06505 | HYDARULIC HOSE ASSY | 1 | | | | |
| 26 | HHAC95505 | HYDRAULIC HOSE ASSY | 1 | | | | |
| 27 | HMA-0065 | ADAPTOR MALE/MALE | 1 | | | | |
| 28 | WSH-1015 | DOWTY WASHER | 1 | | | | |
| 29 | HQR-10007 | HYD.QUICK RELEASE COUP. | 1 | | | | |
| 30 | TIE-0004 | TIE WRAPS | 14 | | | | |
| 31 | TIE-0012 | TIE WRAPS | 4 | | | | |

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| ASSY NUMBER: KIT-03810 | | | | ASSY DESCRIPTION: TANDEM WHEEL & TYRE KIT (2400-3200) | | | |
|------------------------|-----------|---------------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-02203 | LH WHEEL & TYRE ASSY (500/60-22.5) | 2 | | | | |
| 2 | WHL-02204 | RH WHEEL & TYRE ASSY (500/60-22.5) | 2 | | | | |

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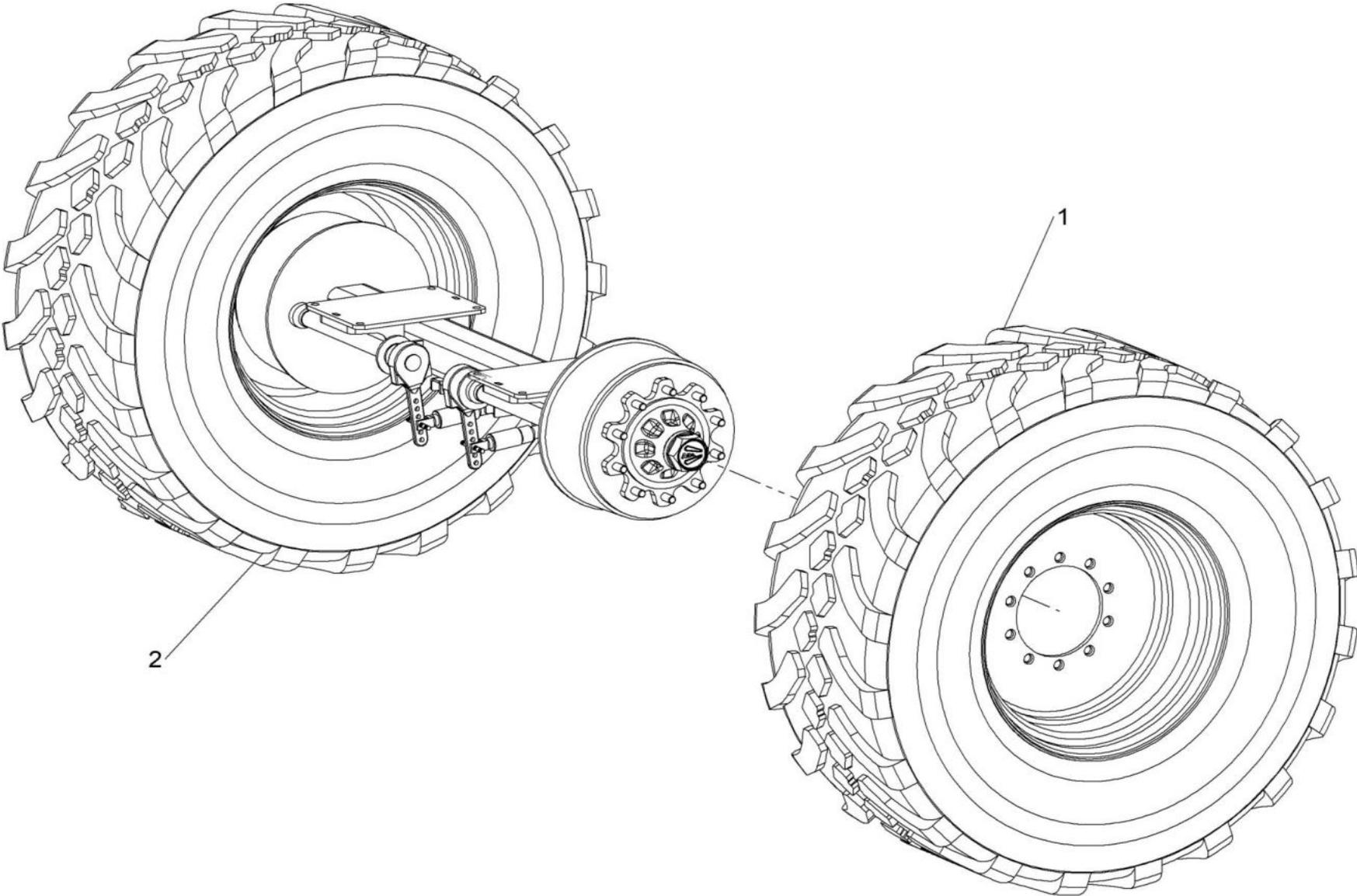


KIT-03810



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| ASSY NUMBER: KIT-03812 | | | | ASSY DESCRIPTION: WHEEL & TYRE KIT (21.3-24 10 ST 50mm OFF) | | | |
|------------------------|-----------|-----------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-02410 | LH WHEEL & TYRE ASSY (23.1-24) | 1 | | | | |
| 2 | WHL-02411 | RH WHEEL & TYRE ASSY (23.1-24) | 1 | | | | |



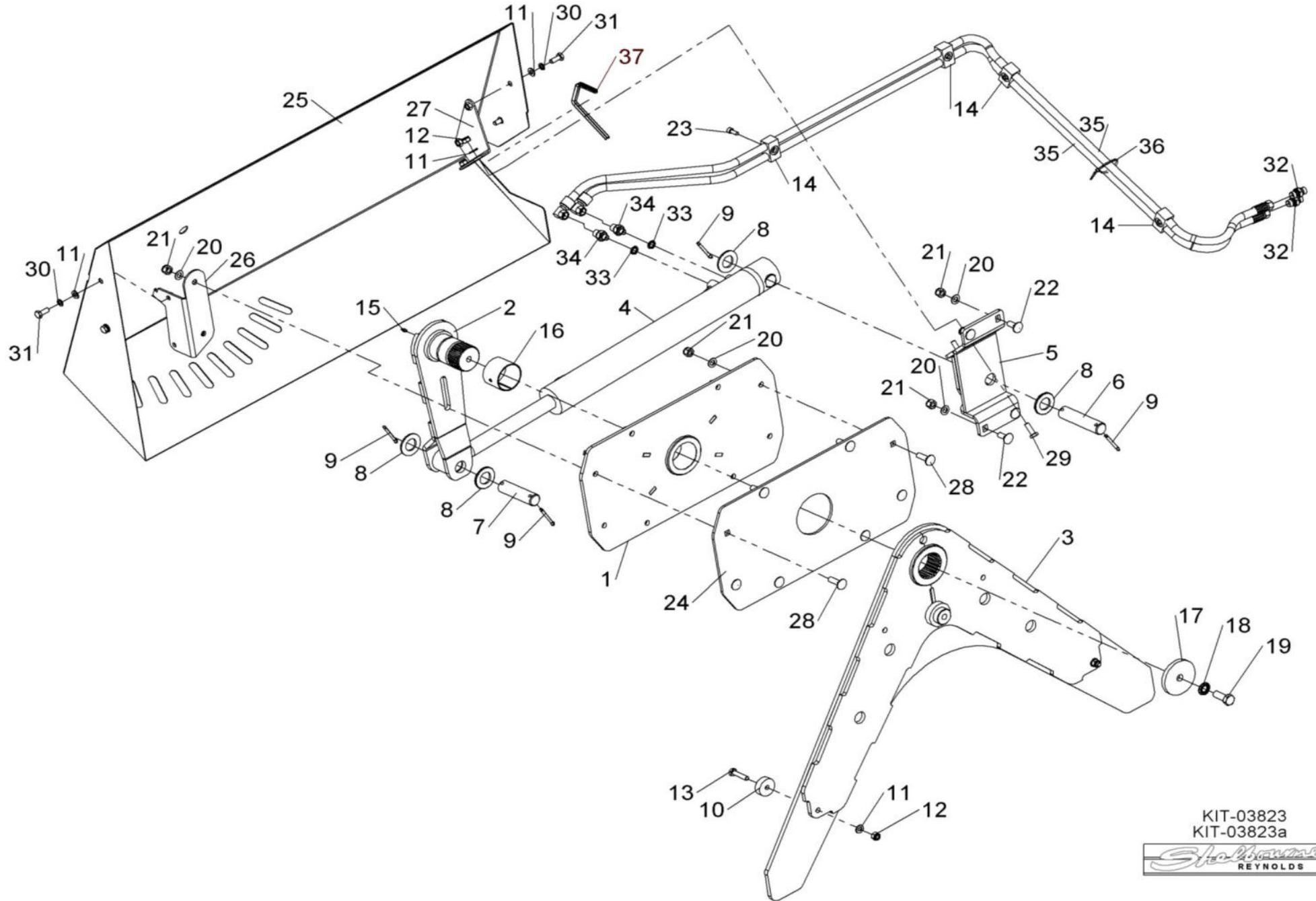
KIT-03812



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03823 | | | | ASSY DESCRIPTION: ANTI BRIDGE KIT (2400-3200) | | | |
|------------------------|-----------|-----------------------------|-------|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591337 01 | HUB MTG PLATE W/ASSY | 1 | | | | |
| 2 | 591339 01 | PIVOT SHAFT W/ASSY | 1 | | | | |
| 3 | 591341 01 | BRIDGE ARM W/ASSY | 1 | | | | |
| 4 | 801236 01 | CYLINDER, HEAD ANGLING | 1 | | | | |
| 5 | 591350 01 | RAM MOUNTING BRACKET W/ASSY | 1 | | | | |
| 6 | 591055 02 | PIN | 1 | | | | |
| 7 | 591055 01 | PIN | 1 | | | | |
| 8 | WSH-1545 | PLAIN WASHER FORM A | 4 | | | | |
| 9 | PIN-20629 | SPLIT PIN | 4 | | | | |
| 10 | 591353 01 | NYLON BUFFER | 2 | | | | |
| 11 | WSH-0015 | PLAIN WASHER | 8 | | | | |
| 12 | NUT-0265 | NYLOC NUT | 4 | | | | |
| 13 | BLTA10290 | HEX.HEAD BOLT | 2 | | | | |
| 14 | HCPD01800 | HYDRAULIC PIPE CLAMP | 4 | | | | |
| 15 | NIP-00600 | GREASE NIPPLE | 1 | | | | |
| 16 | BSHA06565 | BUSH | 1 | | | | |
| 17 | 190548 72 | WASHER | 1 | | | | |
| 18 | WSHA30161 | WASHER | 1 | | | | |
| 19 | HSS-0315 | SETSCREW | 1 | | | | |
| 20 | WSH-0018 | PLAIN WASHER | 12 | | | | |
| 21 | NUT-0269 | NUT | 12 | | | | |
| 22 | BLT-3790 | COACH BOLT | 4 | | | | |
| 23 | SCW-0133 | CAP HEAD SCREW | 4 | | | | |
| 24 | 591462 01 | LAMINATE PLATE | 1 | | | | |
| 25 | 591463 01 | GUARD | 1 | | | | |
| 26 | 591466 01 | REAR GUARD BRKT W/A | 1 | | | | |
| 27 | 591468 01 | FRONT GUARD BRKT W/A | 1 | | | | |
| 28 | BLT-3800 | COACH BOLT | 8 | | | | |
| 29 | HSS-0194 | BOLT | 2 | | | | |
| 30 | WSH-0061 | SPRING WASHER | 4 | | | | |
| 31 | HSS-0191 | SET SCREW | 4 | | | | |
| 32 | HMA-0057 | M/M ADAPTOR | 2 | | | | |
| 33 | WSH-1005 | DOWTY WASHER | 2 | | | | |
| 34 | FIT-0025 | M/M ADAPTOR | 2 | | | | |
| 35 | HHCE22005 | HYD HOSE ASSY | 2 | | | | |
| 36 | TIE-0004 | TIE WRAP | 3 | | | | |
| 37 | EDS-11400 | EDGING STRIP | 0.25m | | | | |

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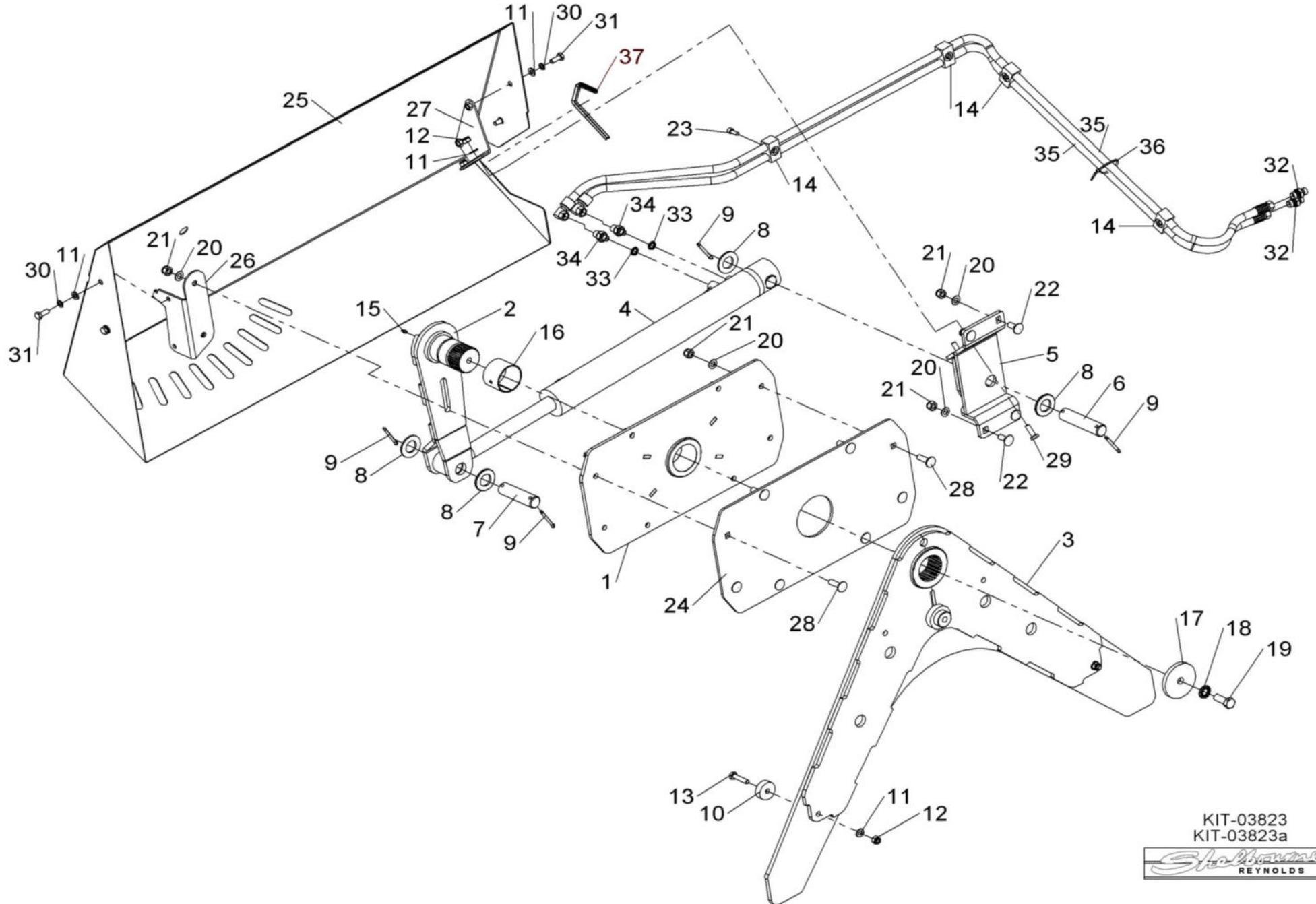
KIT-03823
KIT-03823a



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| ASSY NUMBER: KIT-03823a | | | | ASSY DESCRIPTION: ANTI BRIDGE KIT (1800-2300) | | | |
|-------------------------|-----------|-----------------------------|-------|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591337 01 | HUB MTG PLATE W/ASSY | 1 | | | | |
| 2 | 591339 01 | PIVOT SHAFT W/ASSY | 1 | | | | |
| 3 | 591341 01 | BRIDGE ARM W/ASSY | 1 | | | | |
| 4 | 801236 01 | CYLINDER, HEAD ANGLING | 1 | | | | |
| 5 | 591350 01 | RAM MOUNTING BRACKET W/ASSY | 1 | | | | |
| 6 | 591055 02 | PIN | 1 | | | | |
| 7 | 591055 01 | PIN | 1 | | | | |
| 8 | WSH-1545 | PLAIN WASHER FORM A | 4 | | | | |
| 9 | PIN-20629 | SPLIT PIN | 4 | | | | |
| 10 | 591353 01 | NYLON BUFFER | 2 | | | | |
| 11 | WSH-0015 | PLAIN WASHER | 8 | | | | |
| 12 | NUT-0265 | NYLOC NUT | 4 | | | | |
| 13 | BLTA10290 | HEX.HEAD BOLT | 2 | | | | |
| 14 | HCPD01800 | HYDRAULIC PIPE CLAMP | 4 | | | | |
| 15 | NIP-00600 | GREASE NIPPLE | 1 | | | | |
| 16 | BSHA06565 | BUSH | 1 | | | | |
| 17 | 190548 72 | WASHER | 1 | | | | |
| 18 | WSHA30161 | WASHER | 1 | | | | |
| 19 | HSS-0315 | SETSCREW | 1 | | | | |
| 20 | WSH-0018 | PLAIN WASHER | 12 | | | | |
| 21 | NUT-0269 | NUT | 12 | | | | |
| 22 | BLT-3790 | COACH BOLT | 4 | | | | |
| 23 | SCW-0136 | CAP HEAD SCREW | 4 | | | | |
| 24 | 591462 01 | LAMINATE PLATE | 1 | | | | |
| 25 | 591463 01 | GUARD | 1 | | | | |
| 26 | 591466 01 | REAR GUARD BRKT W/A | 1 | | | | |
| 27 | 591468 01 | FRONT GUARD BRKT W/A | 1 | | | | |
| 28 | BLT-3800 | COACH BOLT | 8 | | | | |
| 29 | HSS-0194 | BOLT | 2 | | | | |
| 30 | WSH-0061 | SPRING WASHER | 4 | | | | |
| 31 | HSS-0191 | SET SCREW | 4 | | | | |
| 32 | HMA-0057 | M/M ADAPTOR | 2 | | | | |
| 33 | WSH-1005 | DOWTY WAHER | 2 | | | | |
| 34 | FIT-0025 | M/M ADAPTOR | 2 | | | | |
| 35 | HHCE16705 | HYD HOSE ASSY | 2 | | | | |
| 36 | TIE-0004 | TIE WRAP | 3 | | | | |
| 37 | EDS-11400 | EDGING STRIP | 0.25m | | | | |

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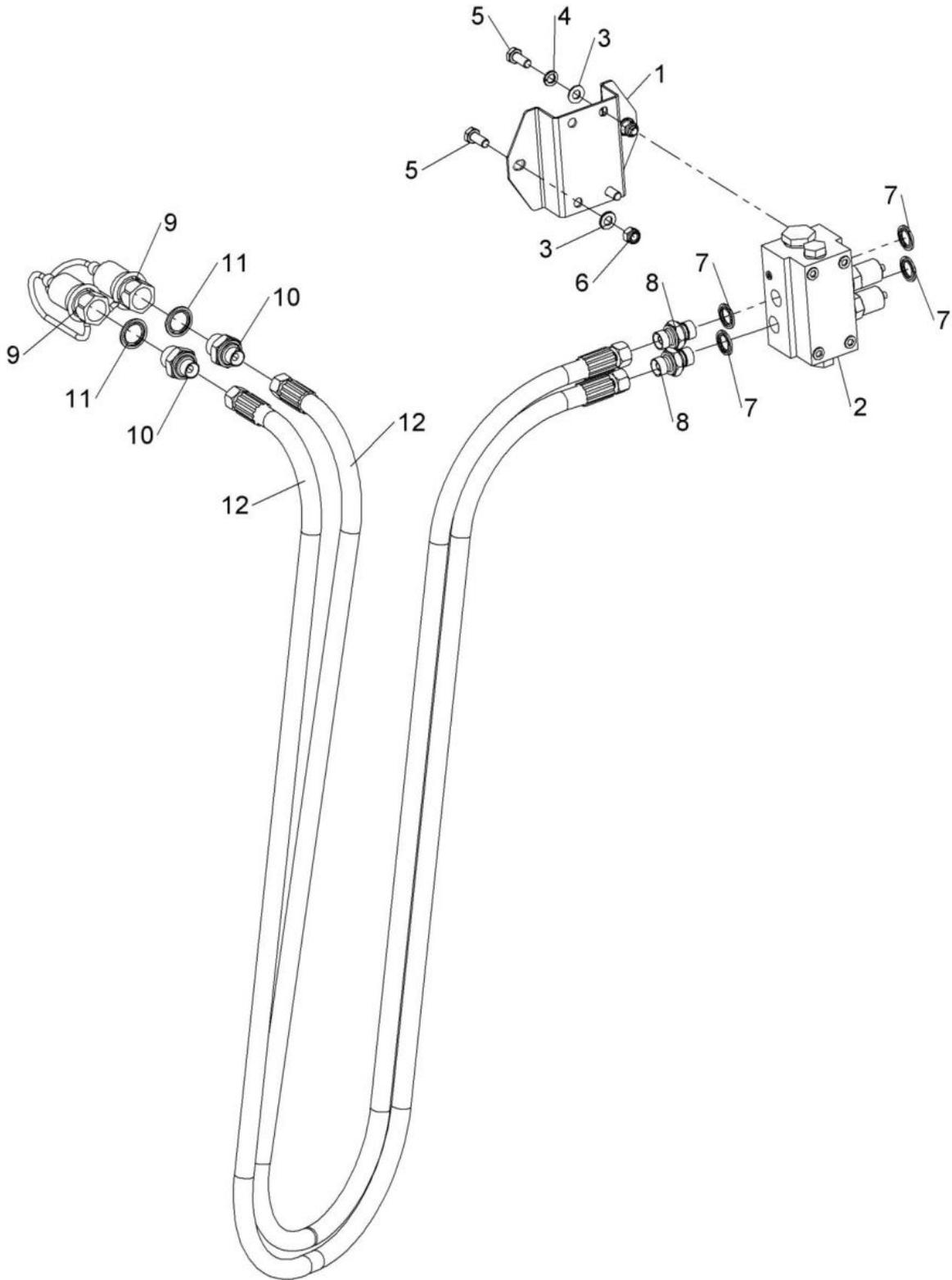


KIT-03823
KIT-03823a



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03824 | | | | ASSY DESCRIPTION: AUTO HYDRAULICS KIT (ANTI-BRIDGE) | | | |
|------------------------|-----------|------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591701 01 | VALVE BRKT | 1 | | | | |
| 2 | HVB-25500 | RECIPROCATING VALVE | 1 | | | | |
| 3 | WSH-0012 | WASHER | 4 | | | | |
| 4 | WSH-0058 | WASHER | 2 | | | | |
| 5 | HSS-0140 | SETSCREW | 4 | | | | |
| 6 | NUT-0263 | NUT | 2 | | | | |
| 7 | WSH-1010 | DOWTY WASHER | 4 | | | | |
| 8 | HMA-0057 | M/M ADAPTOR | 2 | | | | |
| 9 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 10 | HMA-0065 | M/M ADAPTOR | 2 | | | | |
| 11 | WSH-1015 | DOWTY WASHER | 2 | | | | |
| 12 | HHAE30005 | HYD HOSE ASSY | 2 | | | | |



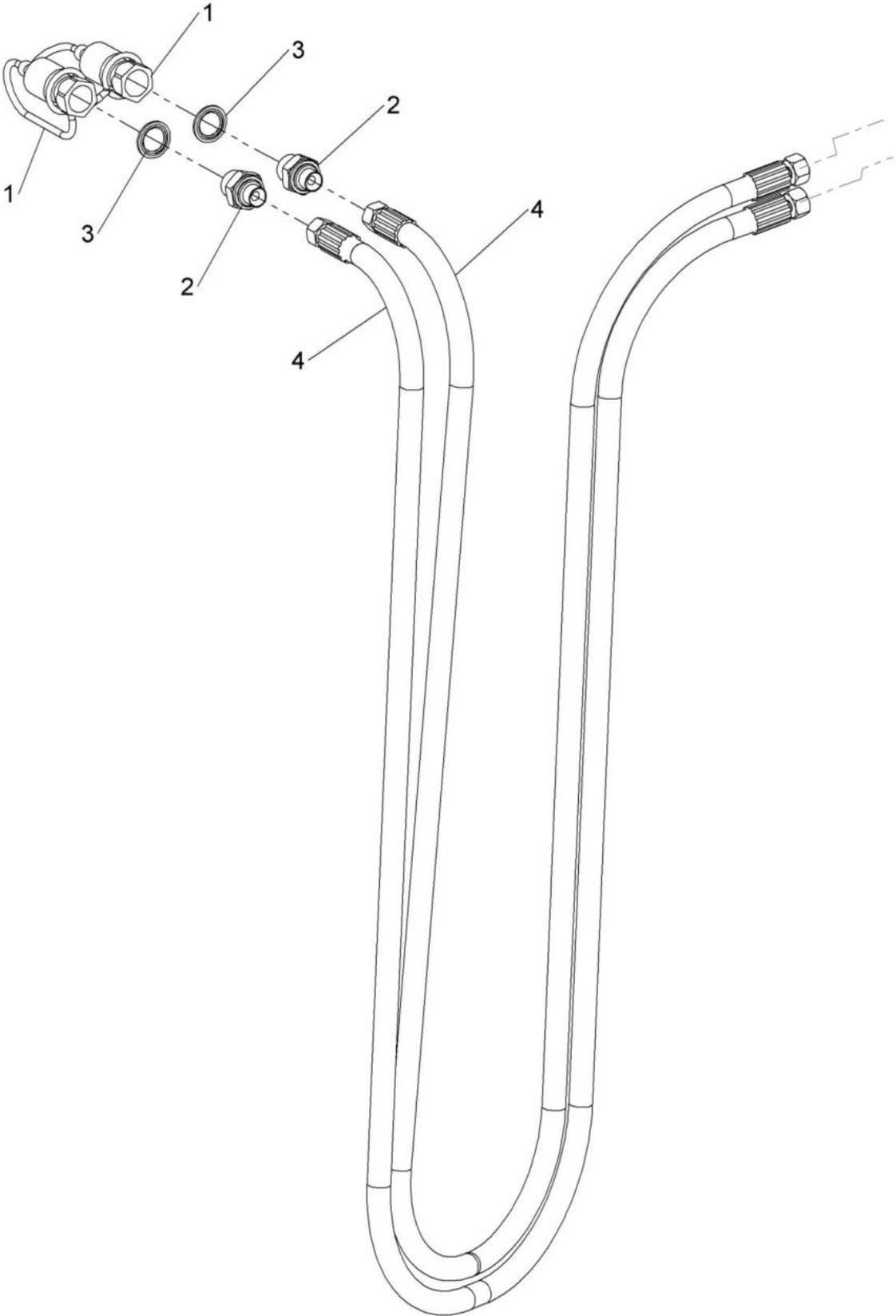
KIT-03824



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03825 | | | | ASSY DESCRIPTION: MANUAL HYDRAULICS KIT (FOR ANTI-BRIDGE) | | | |
|------------------------|-----------|------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 2 | HMA-0065 | M/M ADAPTOR | 2 | | | | |
| 3 | WSH-1015 | DOWTY WASHER | 2 | | | | |
| 4 | HHAE30005 | HYD HOSE ASSY | 2 | | | | |

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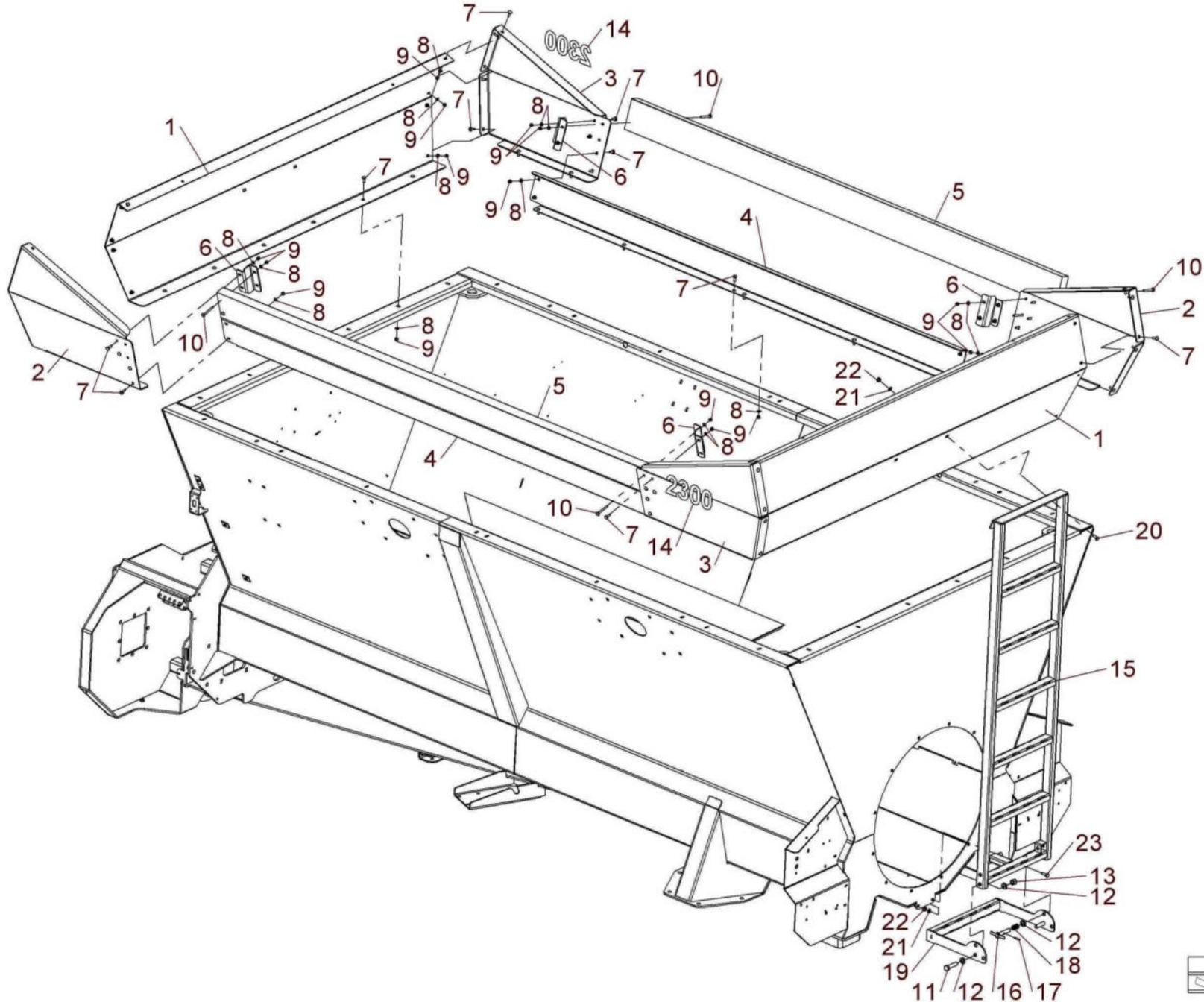


KIT-03825
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| ASSY NUMBER: KIT-03835 | | | | ASSY DESCRIPTION: EXTENSION TOP KIT | | | |
|------------------------|-----------|----------------------|-----|-------------------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591954 01 | FRONT/REAR EXTENSION | 2 | | | | |
| 2 | 591956 01 | SIDE EXTENSION | 2 | | | | |
| 3 | 591956 02 | SIDE EXTENSION | 2 | | | | |
| 4 | 591955 01 | SIDE EXTENSION | 2 | | | | |
| 5 | 591485 02 | WOODEN CANOPY | 2 | | | | |
| 6 | 591958 01 | CLAMP PLATE | 4 | | | | |
| 7 | BLTF08173 | BOLT | 68 | | | | |
| 8 | WSH-0012 | WASHER | 76 | | | | |
| 9 | NUT-0263 | NUT | 76 | | | | |
| 10 | BLTF08443 | BOLT | 8 | | | | |
| 11 | HSS-0322 | SETSCREW | 2 | | | | |
| 12 | WSH-0024 | WASHER | 5 | | | | |
| 13 | NUT-0271 | NUT | 2 | | | | |
| 14 | 591583 01 | TRANSFER 2300 | 2 | | | | |
| 15 | 591959 01 | LADDER W/A | 1 | | | | |
| 16 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 17 | PIN-1620 | ROLL PIN | 1 | | | | |
| 18 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 19 | 591496 01 | LADDER EXTENSION W/A | 1 | | | | |
| 20 | BLT-3745 | BOLT | 2 | | | | |
| 21 | WSH-0015 | WASHER | 4 | | | | |
| 22 | NUT-0265 | NUT | 4 | | | | |
| 23 | HSS-0194 | BOLT | 2 | | | | |

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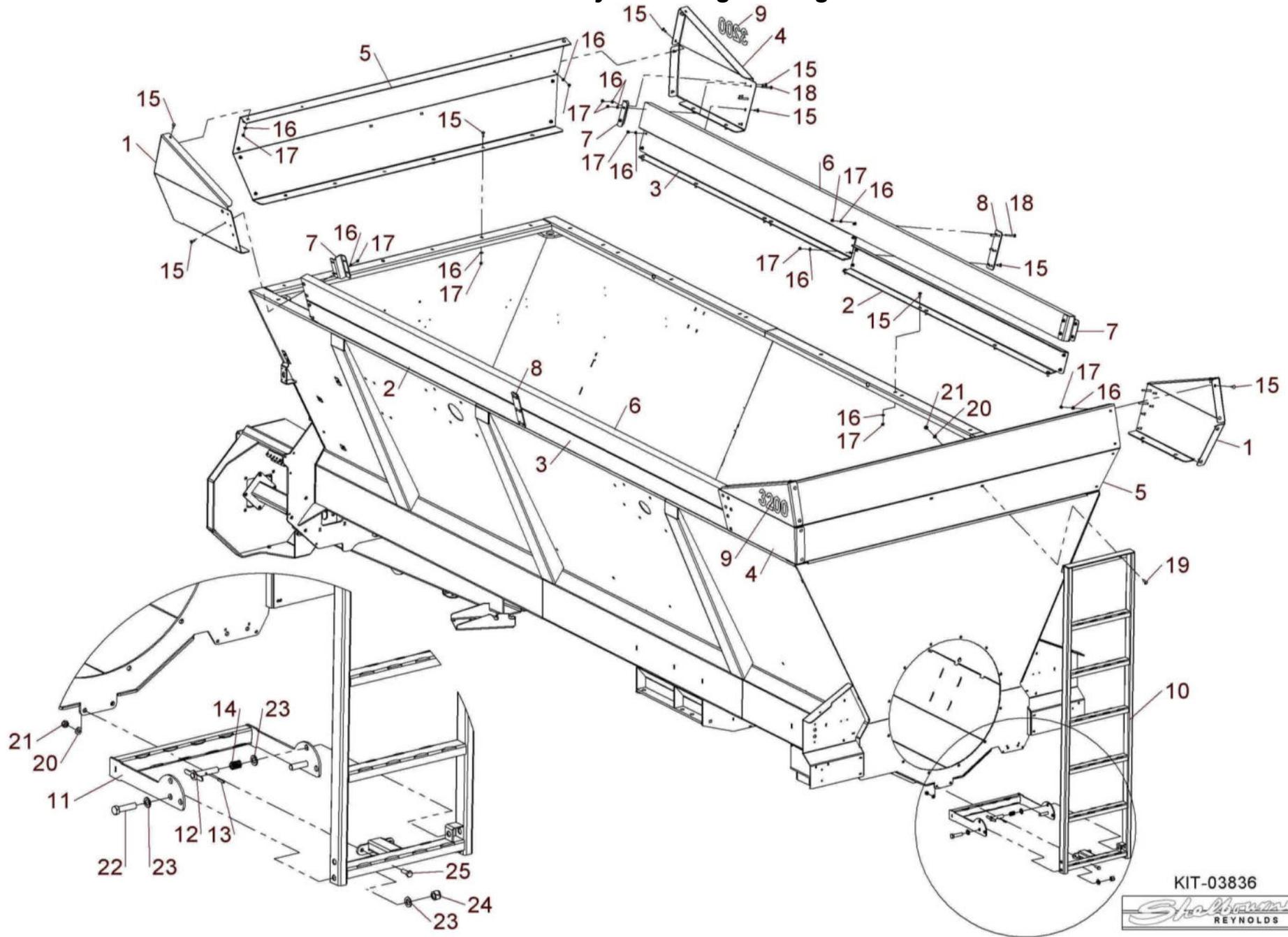
KIT-03835



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03836 | | | | ASSY DESCRIPTION: EXTENSION TOP KIT (LONG WHEEL BASE) | | | |
|------------------------|-----------|----------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591956 01 | SIDE EXTENSION | 2 | | | | |
| 2 | 591962 01 | SIDE PLATE | 2 | | | | |
| 3 | 591962 02 | SIDE PLATE | 2 | | | | |
| 4 | 591956 02 | SIDE EXTENSION | 2 | | | | |
| 5 | 591954 01 | FRONT/REAR EXTENSION | 2 | | | | |
| 6 | 591485 01 | WOODEN CANOPY | 2 | | | | |
| 7 | 591958 01 | CLAMP PLATE | 4 | | | | |
| 8 | 591620 01 | CLAMP PLATE | 2 | | | | |
| 9 | 591581 01 | TRANSFER 3200 | 2 | | | | |
| 10 | 591959 01 | LADDER W/A | 1 | | | | |
| 11 | 591496 01 | LADDER EXTENSION W/A | 1 | | | | |
| 12 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 13 | PIN-1620 | ROLL PIN | 1 | | | | |
| 14 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 15 | BLTF08173 | BOLT | 82 | | | | |
| 16 | WSH-0012 | WASHER | 94 | | | | |
| 17 | NUT-0263 | NUT | 94 | | | | |
| 18 | BLTF08443 | BOLT | 12 | | | | |
| 19 | BLT-3745 | BOLT | 2 | | | | |
| 20 | WSH-0015 | WASHER | 4 | | | | |
| 21 | NUT-0265 | NUT | 4 | | | | |
| 22 | HSS-0322 | SETSCREW | 2 | | | | |
| 23 | WSH-0024 | WASHER | 5 | | | | |
| 24 | NUT-0271 | NUT | 2 | | | | |
| 25 | HSS-0194 | BOLT | 2 | | | | |

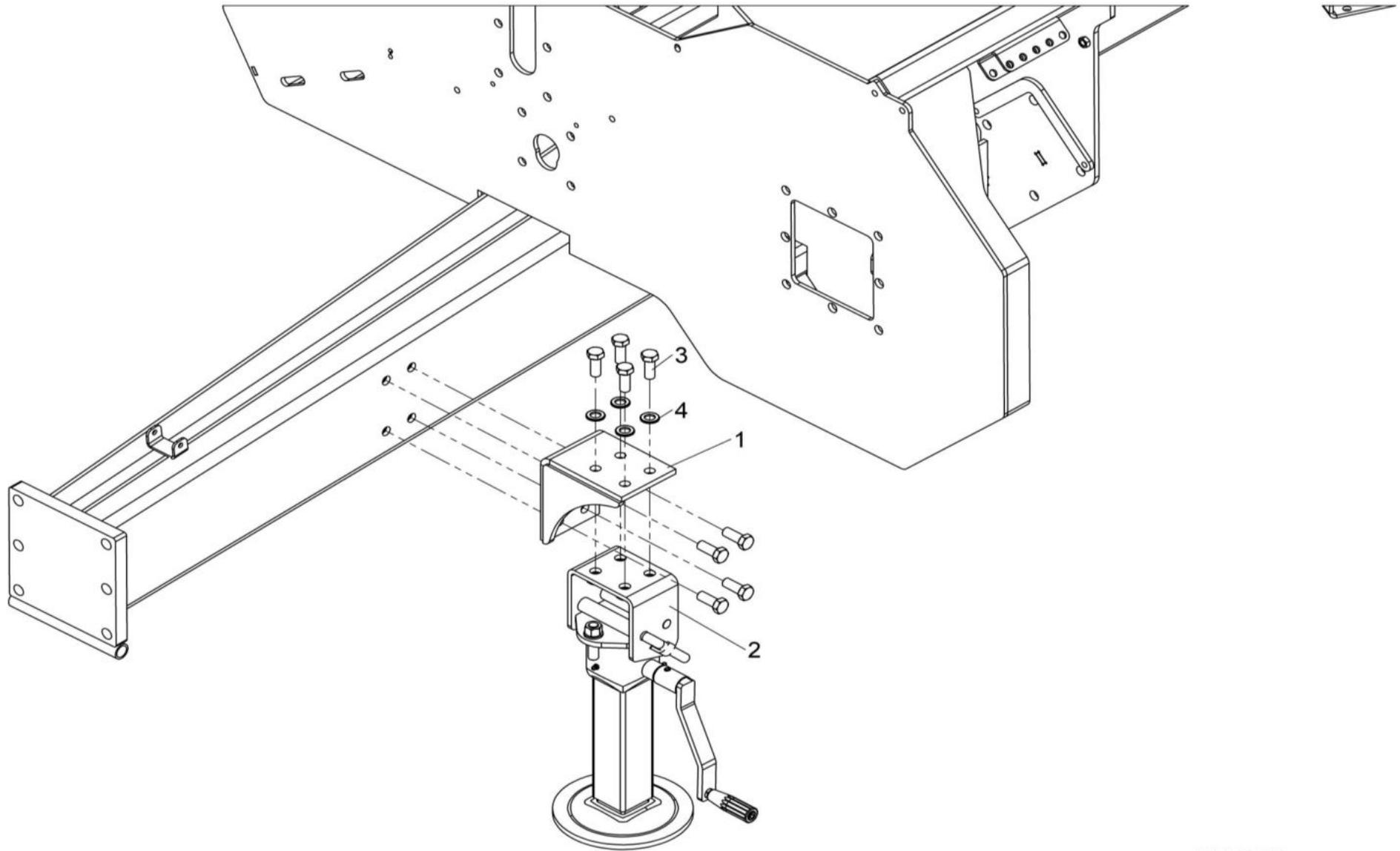
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Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03850 | | | | ASSY DESCRIPTION: JACK KIT | | | |
|------------------------|-----------|-----------------------|-----|----------------------------|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591980 01 | JACK MOUNTING BRACKET | 1 | | | | |
| 2 | 591999 01 | SPREADER JACK W/A | 1 | | | | |
| 3 | HSS-0316 | SETSCREW | 4 | | | | |
| 4 | WSH-0024 | WASHER | 4 | | | | |

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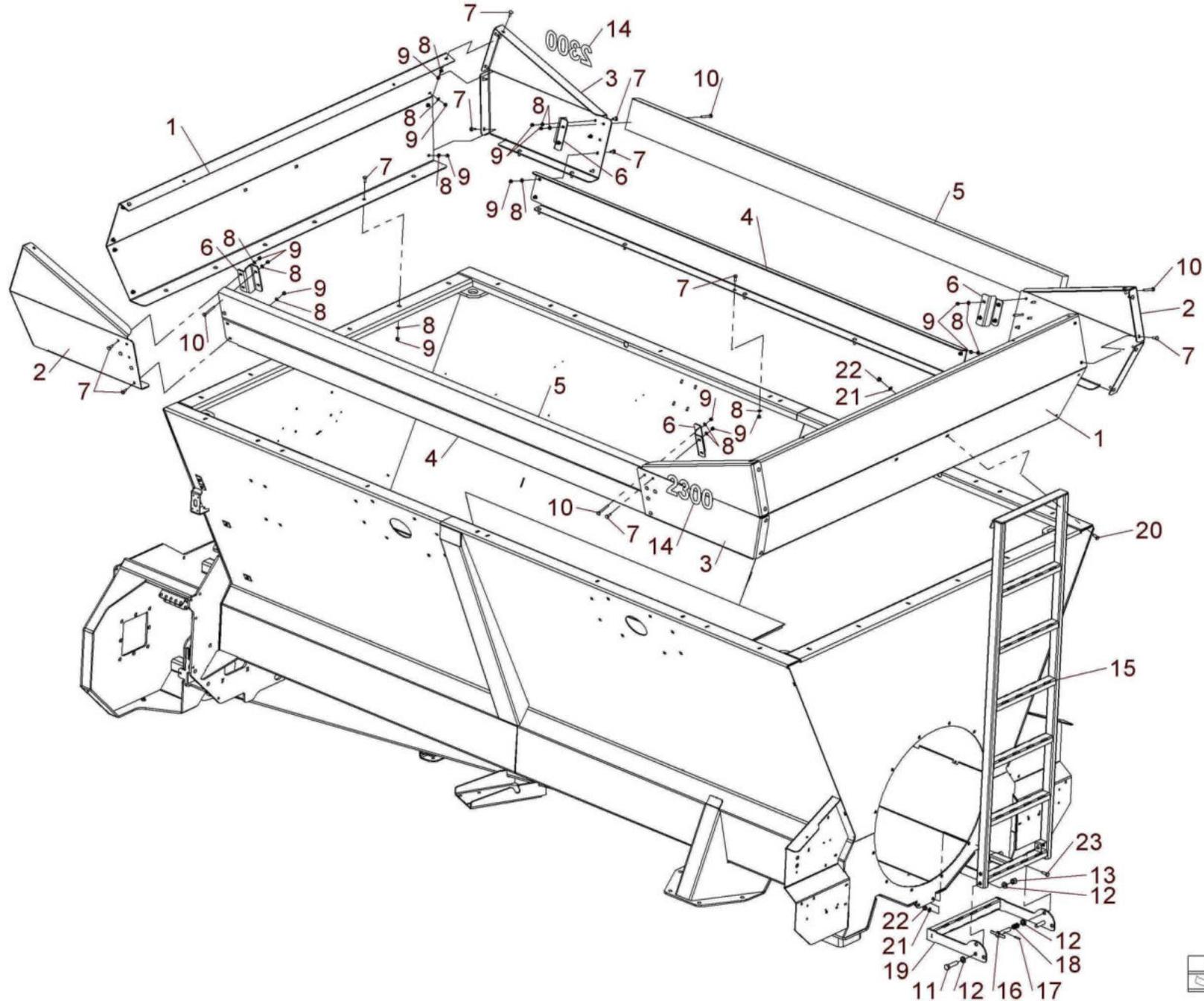


KIT-03850
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Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03855 | | | | ASSY DESCRIPTION: EXTENSION TOP KIT (SHORT WHEEL BASE) | | | |
|------------------------|-----------|----------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592011 01 | FRONT/REAR EXTENSION | 2 | | | | |
| 2 | 592010 01 | SIDE EXTENSION | 2 | | | | |
| 3 | 592010 02 | SIDE EXTENSION | 2 | | | | |
| 4 | 591955 01 | SIDE EXTENSION | 2 | | | | |
| 5 | 591485 02 | WOODEN CANOPY | 2 | | | | |
| 6 | 591958 01 | CLAMP PLATE | 4 | | | | |
| 7 | BLTF08173 | BOLT | 68 | | | | |
| 8 | WSH-0012 | WASHER | 76 | | | | |
| 9 | NUT-0263 | NUT | 76 | | | | |
| 10 | BLTF08443 | BOLT | 8 | | | | |
| 11 | HSS-0322 | SETSCREW | 2 | | | | |
| 12 | WSH-0024 | WASHER | 5 | | | | |
| 13 | NUT-0271 | NUT | 2 | | | | |
| 14 | 591583 01 | TRANSFER 2300 | 2 | | | | |
| 15 | 591959 01 | LADDER W/A | 1 | | | | |
| 16 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 17 | PIN-1620 | ROLL PIN | 1 | | | | |
| 18 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 19 | 591496 01 | LADDER EXTENSION W/A | 1 | | | | |
| 20 | BLT-3745 | BOLT | 2 | | | | |
| 21 | WSH-0015 | WASHER | 4 | | | | |
| 22 | NUT-0265 | NUT | 4 | | | | |
| 23 | HSS-0194 | BOLT | 2 | | | | |

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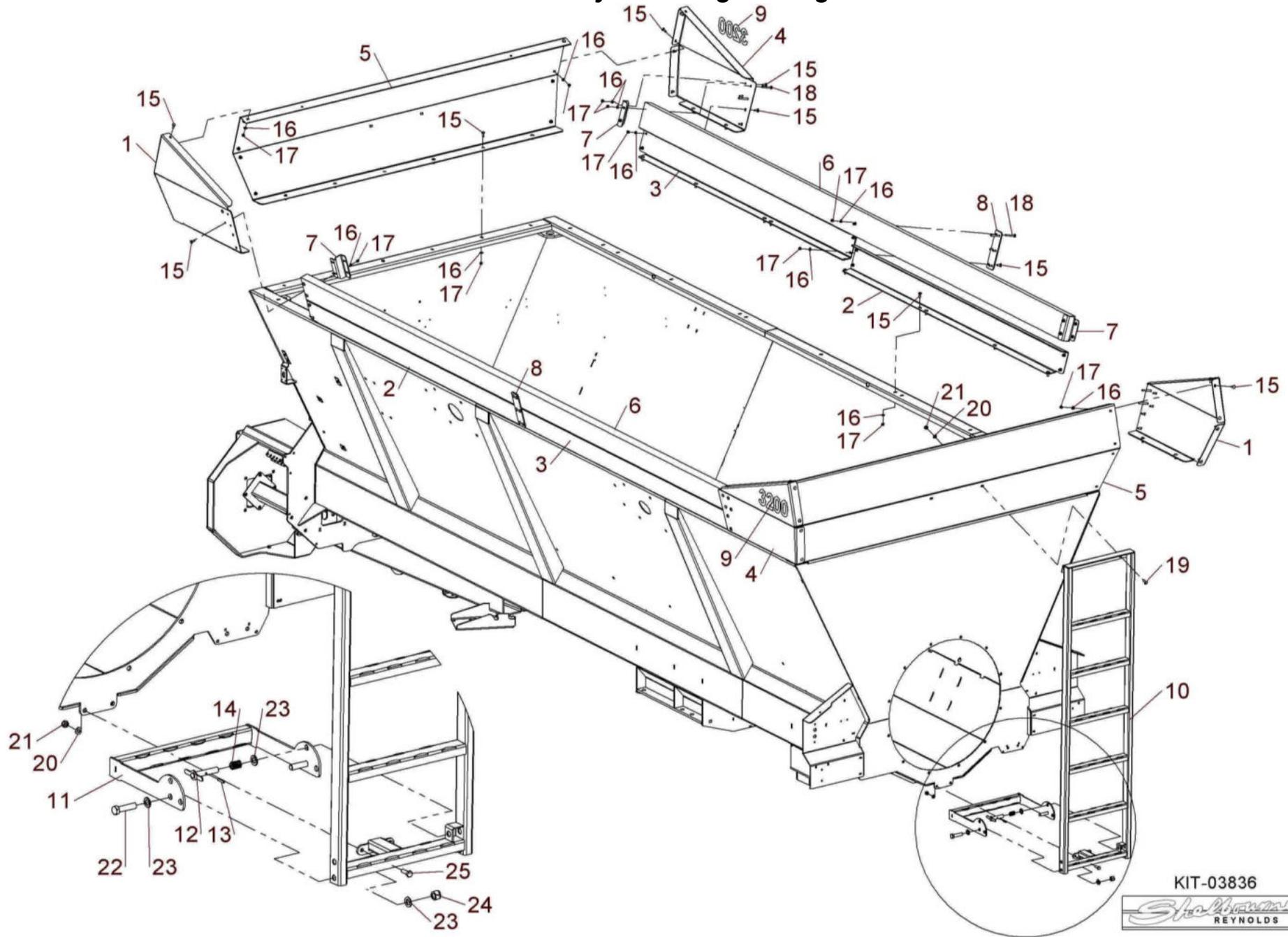
KIT-03835



Shelbourne Reynolds Engineering Limited

| ASSY NUMBER: KIT-03856 | | | | ASSY DESCRIPTION: EXTENSION TOP KIT (LONG WHEEL BASE) | | | |
|------------------------|-----------|----------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592010 01 | SIDE EXTENSION | 2 | | | | |
| 2 | 591962 01 | SIDE PLATE | 2 | | | | |
| 3 | 591962 02 | SIDE PLATE | 2 | | | | |
| 4 | 592010 02 | SIDE EXTENSION | 2 | | | | |
| 5 | 592011 01 | FRONT/REAR EXTENSION | 2 | | | | |
| 6 | 591485 01 | WOODEN CANOPY | 2 | | | | |
| 7 | 591958 01 | CLAMP PLATE | 4 | | | | |
| 8 | 591620 01 | CLAMP PLATE | 2 | | | | |
| 9 | 591581 01 | TRANSFER 3200 | 2 | | | | |
| 10 | 591959 01 | LADDER W/A | 1 | | | | |
| 11 | 591496 01 | LADDER EXTENSION W/A | 1 | | | | |
| 12 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 13 | PIN-1620 | ROLL PIN | 1 | | | | |
| 14 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 15 | BLTF08173 | BOLT | 82 | | | | |
| 16 | WSH-0012 | WASHER | 94 | | | | |
| 17 | NUT-0263 | NUT | 94 | | | | |
| 18 | BLTF08443 | BOLT | 12 | | | | |
| 19 | BLT-3745 | BOLT | 2 | | | | |
| 20 | WSH-0015 | WASHER | 4 | | | | |
| 21 | NUT-0265 | NUT | 4 | | | | |
| 22 | HSS-0322 | SETSCREW | 2 | | | | |
| 23 | WSH-0024 | WASHER | 5 | | | | |
| 24 | NUT-0271 | NUT | 2 | | | | |
| 25 | HSS-0194 | BOLT | 2 | | | | |

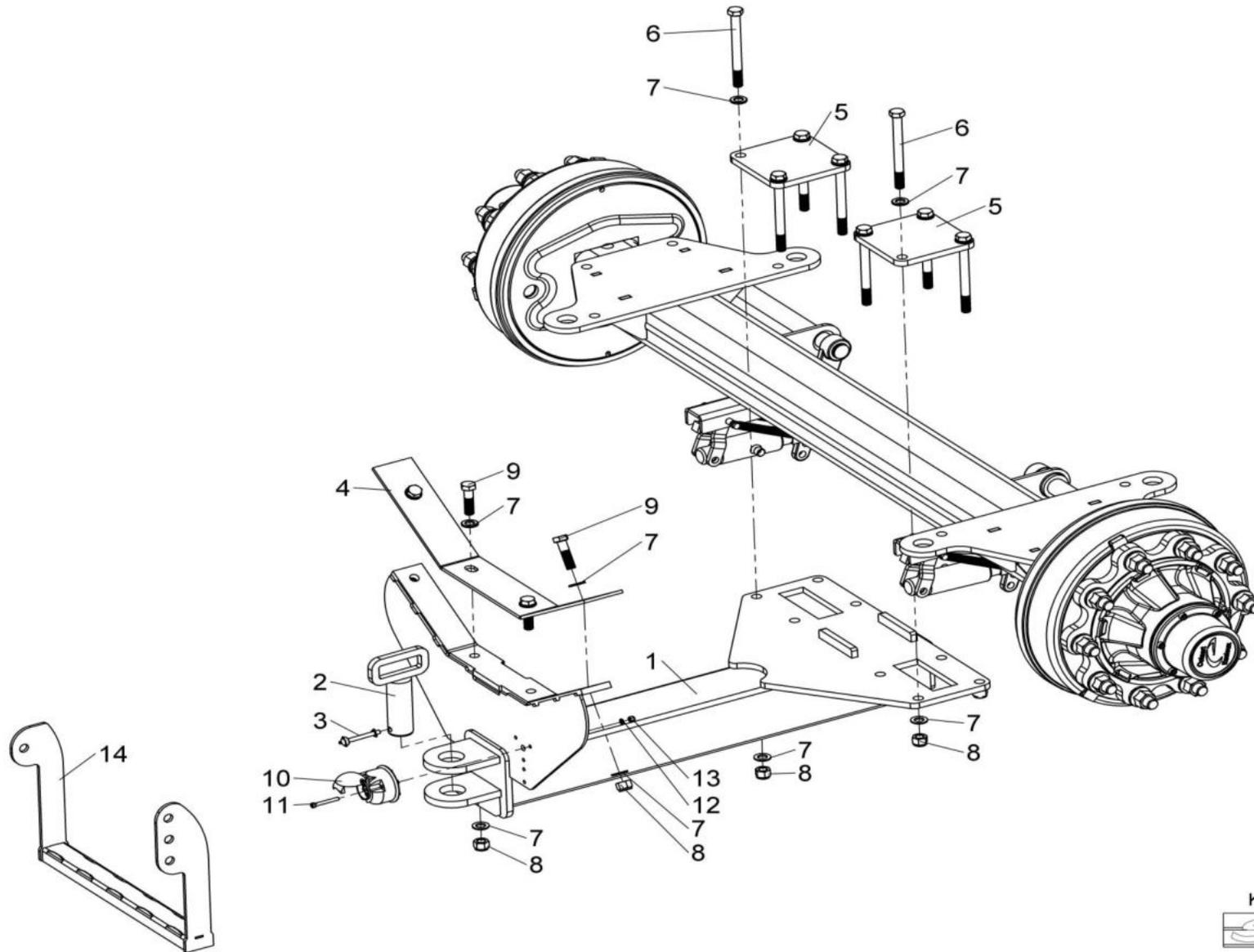
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| ASSY NUMBER: KIT-03874 | | | | ASSY DESCRIPTION: POWERSPREAD PRO REAR DRAWBAR KIT (SWB) 45mm PIN | | | |
|------------------------|-----------|----------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592013 01 | DRAWBAR W/A | 1 | | | | |
| 2 | 592016 01 | DRAWBAR PIN W/A | 1 | | | | |
| 3 | PIN-1720 | SPRING PIN 'D' CLIP | 1 | | | | |
| 4 | 591814 01 | INSIDE TUB FIXING | 1 | | | | |
| 5 | 591820 01 | AXLE CLAMP PLATE | 2 | | | | |
| 6 | BLTA16750 | BOLT | 8 | | | | |
| 7 | WSH-0024 | WASHER | 24 | | | | |
| 8 | NUT-0271 | NYLOC NUT | 12 | | | | |
| 9 | BLT-2312 | BOLT | 4 | | | | |
| 10 | SOC-0140 | 7 PIN SOCKET AAB 104 | 1 | | | | |
| 11 | SCW-0098 | CAP HEAD SCREW | 3 | | | | |
| 12 | WSH-0009 | PLAIN WASHER | 3 | | | | |
| 13 | NUT-0260 | NYLOC | 3 | | | | |
| 14 | 591819 01 | LADDER EXTENSION KIT | 1 | | | | |

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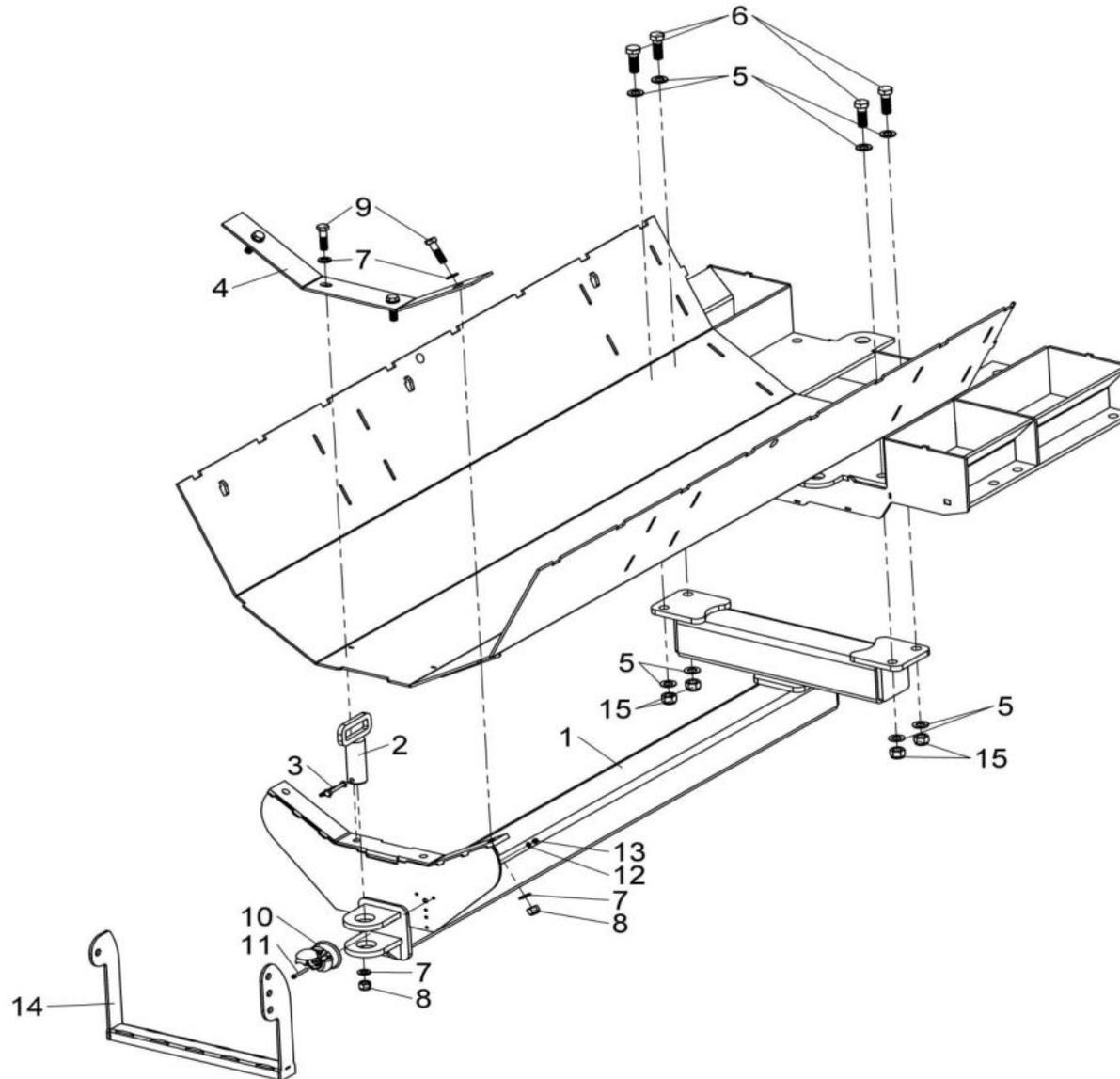


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| ASSY NUMBER: KIT-03875 | | | | ASSY DESCRIPTION: POWERSPREAD PRO REAR DRAWBAR KIT (LWB) 45mm PIN | | | |
|------------------------|-----------|----------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592018 01 | DRAWBAR W/A | 1 | | | | |
| 2 | 592016 01 | DRAWBAR PIN W/A | 1 | | | | |
| 3 | PIN-1720 | SPRING PIN 'D' CLIP | 1 | | | | |
| 4 | 591814 01 | INSIDE TUB FIXING | 1 | | | | |
| 5 | WSH-0030 | WASHER | 8 | | | | |
| 6 | BLT-2366 | BOLT | 4 | | | | |
| 7 | WSH-0024 | WASHER | 8 | | | | |
| 8 | NUT-0271 | NYLOC NUT | 4 | | | | |
| 9 | BLT-2312 | BOLT | 4 | | | | |
| 10 | SOC-0140 | 7 PIN SOCKET AAB 104 | 1 | | | | |
| 11 | SCW-0098 | CAP HEAD SCREW | 3 | | | | |
| 12 | WSH-0009 | PLAIN WASHER | 3 | | | | |
| 13 | NUT-0260 | NYLOC | 3 | | | | |
| 14 | 591819 01 | LADDER EXTENSION KIT | 1 | | | | |
| 15 | NUTA02200 | NYLOC NUT | 4 | | | | |

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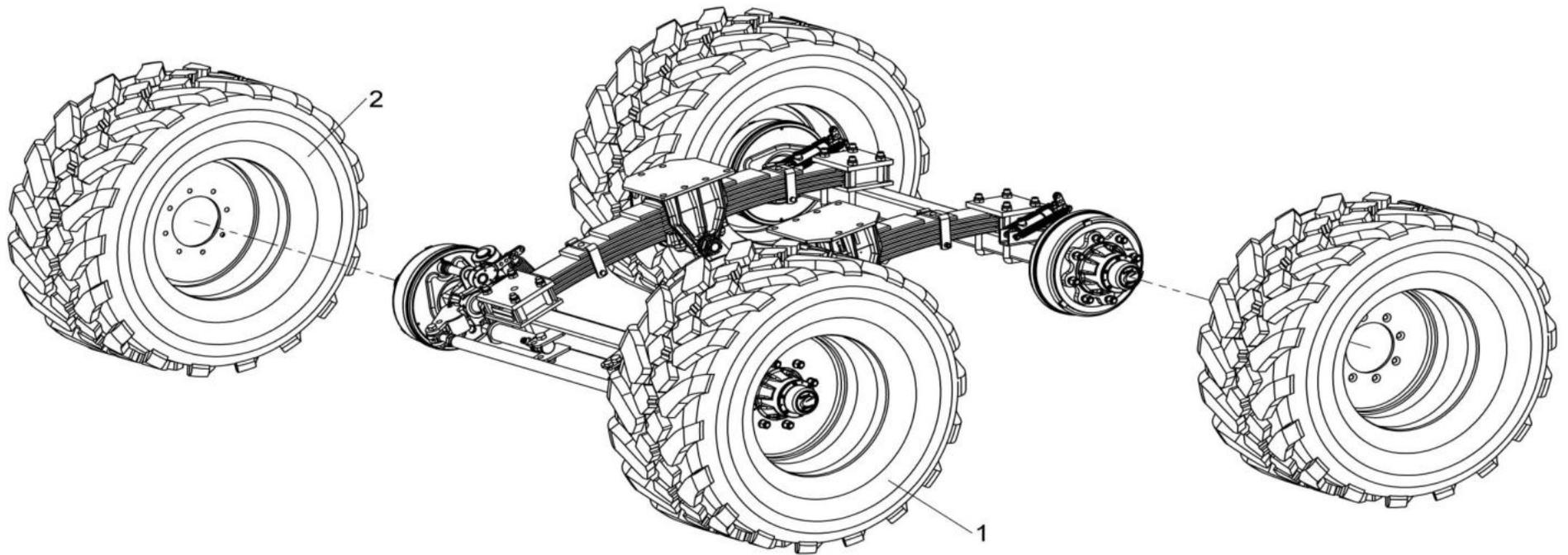
KIT-03875



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| ASSY NUMBER: KIT-03883 | | | | ASSY DESCRIPTION: TANDEM WHEEL & TYRE KIT (2400-3200) | | | |
|------------------------|-----------|--|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-02225 | LH WHEEL & TYRE ASSY (560/60-22.5 ALLIANCE 885) | 2 | | | | |
| 2 | WHL-02226 | RH WHEEL & TYRE ASSY (560/60-22.5 ALLIANCE 885) | 2 | | | | |

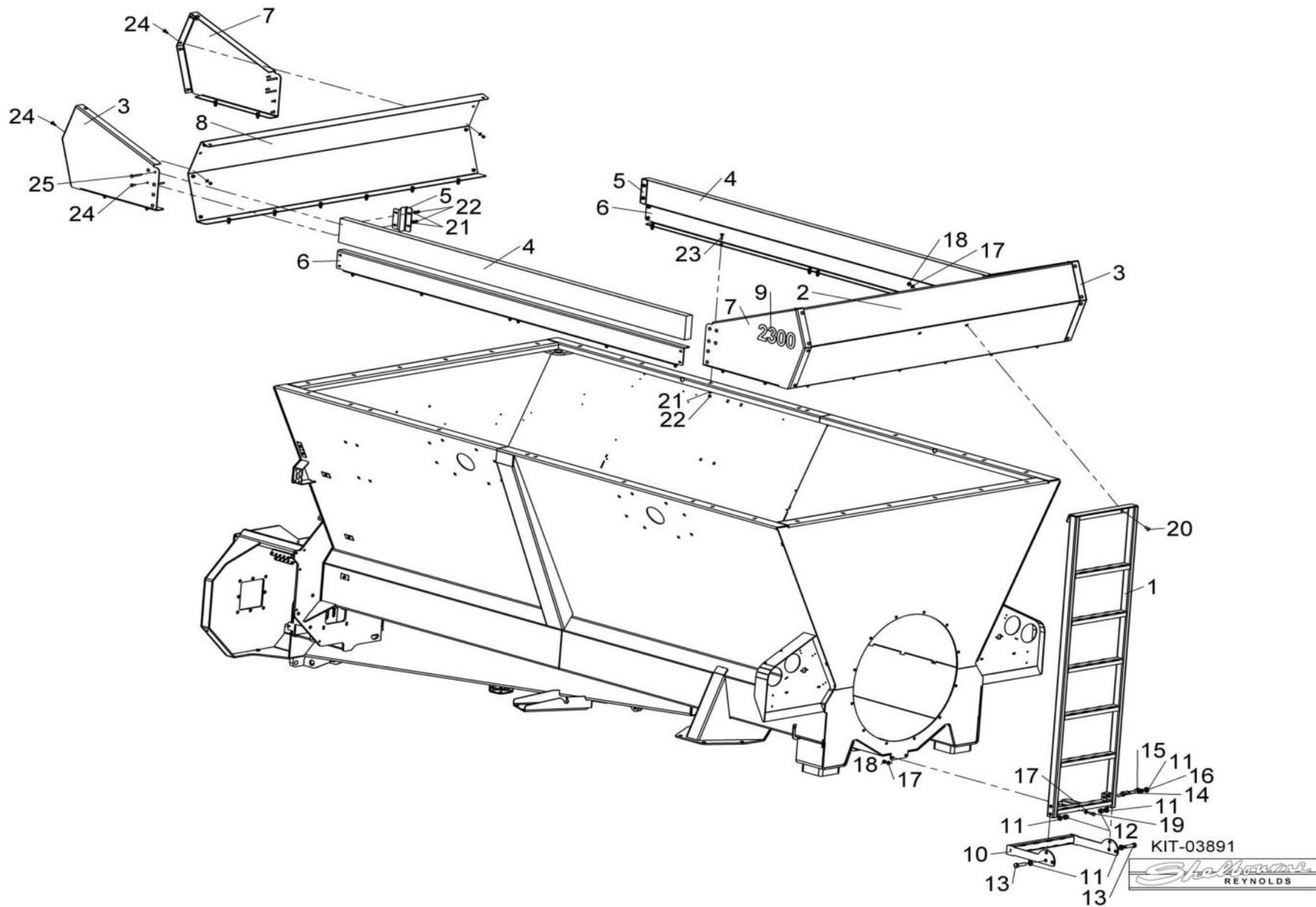
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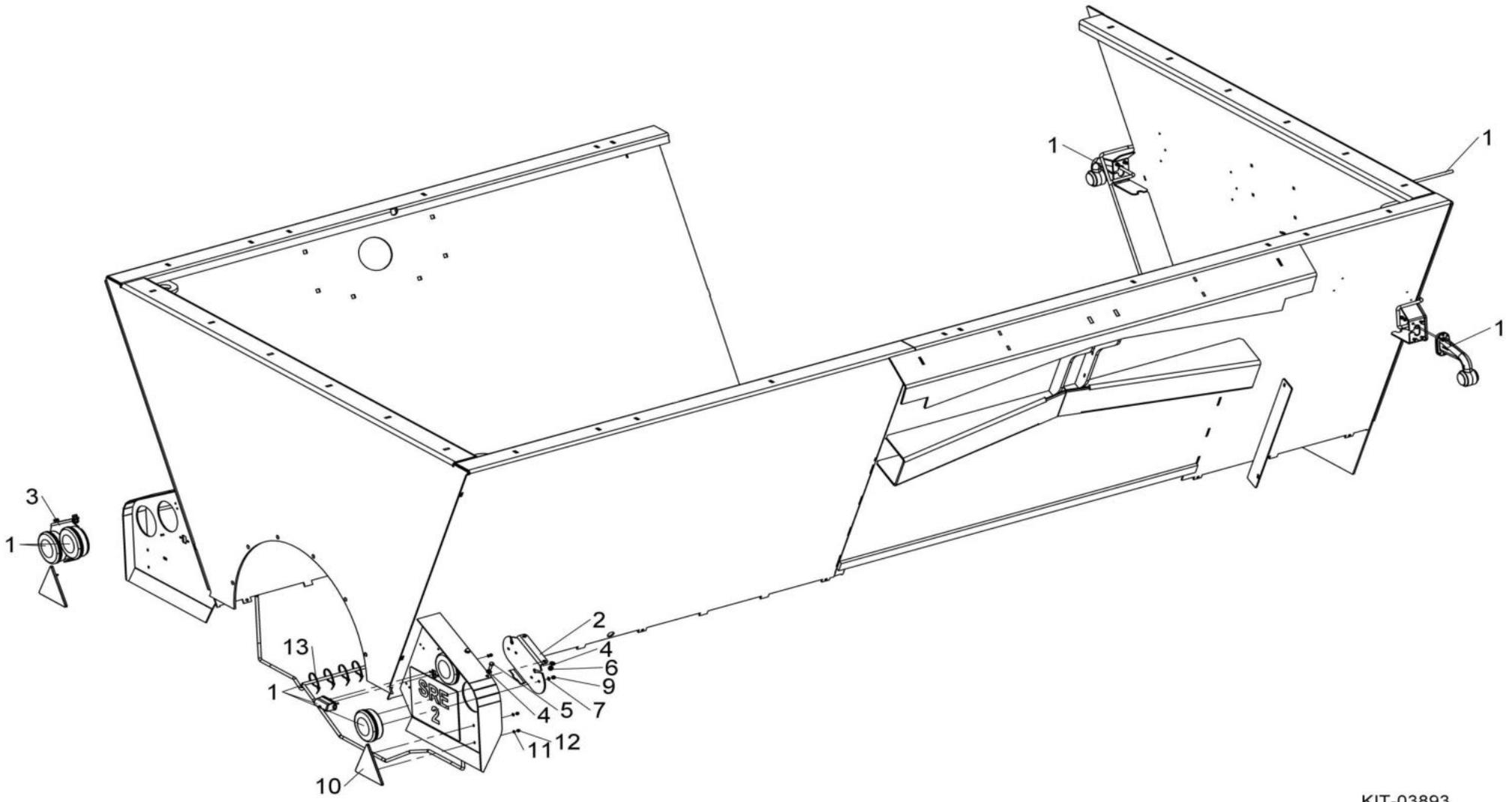
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| ASSY NUMBER: KIT-03891 | | | | ASSY DESCRIPTION: 2300 EXTENSION TOP KIT | | | |
|------------------------|-----------|-----------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 591959 01 | LADDER W/A | 1 | | | | |
| 2 | 592100 01 | END EXTENSION PLATE | 1 | | | | |
| 3 | 592101 01 | END PLATE | 2 | | | | |
| 4 | 591485 02 | WOODEN CANOPY | 2 | | | | |
| 5 | 591958 01 | CLAMP PLATE | 4 | | | | |
| 6 | 592102 01 | SIDE EXTENSION PLATE | 2 | | | | |
| 7 | 592101 02 | END PLATE | 2 | | | | |
| 8 | 592103 01 | FRONT EXTENSION PLATE | 1 | | | | |
| 9 | 591583 01 | 2300 TRANSFER | 2 | | | | |
| 10 | 591496 01 | LADDER EXTENSION W/A | 1 | | | | |
| 11 | WSH-0024 | WASHER | 5 | | | | |
| 12 | NUT-0271 | NUT | 2 | | | | |
| 13 | HSS-0322 | SETSCREW | 2 | | | | |
| 14 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 15 | PIN-1620 | ROLL PIN | 1 | | | | |
| 16 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 17 | WSH-0015 | WASHER | 7 | | | | |
| 18 | NUT-0265 | NUT | 5 | | | | |
| 19 | HSS-0194 | SETSCREW | 2 | | | | |
| 20 | BLT-3745 | COACHBOLT | 2 | | | | |
| 21 | WSH-0012 | WASHER | 78 | | | | |
| 22 | NUT-0263 | NUT | 78 | | | | |
| 23 | BLT-2700 | COACH BOLT | 34 | | | | |
| 24 | BLTF08173 | COACH BOLT | 36 | | | | |
| 25 | BLTF08470 | COACH BOLT | 8 | | | | |



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| ASSY NUMBER: KIT-03893 | | | | ASSY DESCRIPTION: LIGHTING KIT (1800-2300 PRO) | | | |
|------------------------|-----------|----------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592113 01 | LIGHTING LOOM | 1 | | | | |
| 2 | 592053 01 | LIGHT BRKT LH | 1 | | | | |
| 3 | 592053 02 | LIGHT BRKT RH | 1 | | | | |
| 4 | WSH-0012 | WASHER | 16 | | | | |
| 5 | HSS-0145 | SETSCREW | 4 | | | | |
| 6 | NUT-0263 | NUT | 2 | | | | |
| 7 | WSH-0009 | WASHER | 16 | | | | |
| 8 | HSS-0092 | SETSCREW | 8 | | | | |
| 9 | NUT-0260 | NUT | 16 | | | | |
| 10 | REF-0035 | TRIANGULAR REFLECTOR | 2 | | | | |
| 11 | WSH-0006 | WASHER | 6 | | | | |
| 12 | NUT-0258 | NUT | 6 | | | | |
| 13 | TIE-0004 | TIE WRAP (MED) | 50 | | | | |



KIT-03893



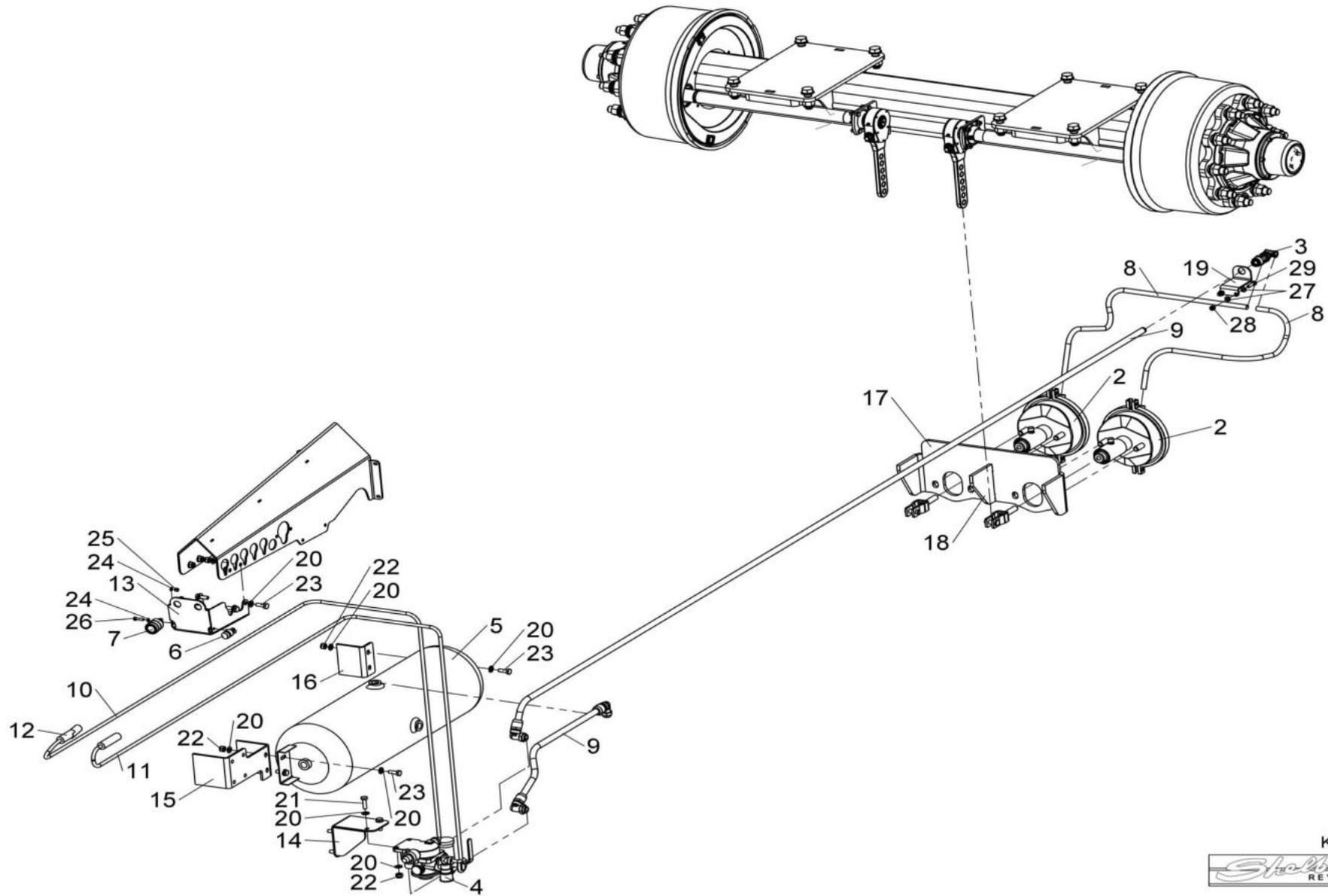
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| ASSY NUMBER: KIT-03893A | | | | ASSY DESCRIPTION: LIGHTING KIT (2400-3200 PRO) | | | |
|-------------------------|-----------|----------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592163 01 | LIGHTING LOOM | 1 | | | | |
| 2 | 592053 01 | LIGHT BRKT LH | 1 | | | | |
| 3 | 592053 02 | LIGHT BRKT RH | 1 | | | | |
| 4 | WSH-0012 | WASHER | 16 | | | | |
| 5 | HSS-0145 | SETSCREW | 4 | | | | |
| 6 | NUT-0263 | NUT | 2 | | | | |
| 7 | WSH-0009 | WASHER | 16 | | | | |
| 8 | HSS-0092 | SETSCREW | 8 | | | | |
| 9 | NUT-0260 | NUT | 16 | | | | |
| 10 | REF-0035 | TRIANGULAR REFLECTOR | 2 | | | | |
| 11 | WSH-0006 | WASHER | 6 | | | | |
| 12 | NUT-0258 | NUT | 6 | | | | |
| 13 | TIE-0004 | TIE WRAP (MED) | 55 | | | | |

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| ASSY NUMBER: KIT-03909 | | | | ASSY DESCRIPTION: AIR BRAKE CONVERSION KIT (SINGLE AXLE) | | | |
|------------------------|------------|---------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | BRA-07125 | AIR BRAKE KIT | 1 | | | | |
| 2 | BRA-07125a | T30-35 AIR/HYD ACTUATOR | 2 | | | | |
| 3 | BRA-07125b | BULHEAD T-FITTING | 1 | | | | |
| 4 | BRA-07125c | MANUAL LOAD SENSING VALVE | 1 | | | | |
| 5 | BRA-07125e | 38L AIR TANK | 1 | | | | |
| 6 | BRA-07125f | COUPLING STORAGE FITTING | 1 | | | | |
| 7 | BRA-07125g | COUPLING STORAGE FITTING | 1 | | | | |
| 8 | BRA-07125i | 850mm LG RUBBER HOSE | 2 | | | | |
| 9 | BRA-07125j | 18mm BLACK NYLON TUBE | ?m | | | | |
| 10 | BRA-07125k | 10mm YELLOW NYLON TUBE | ?m | | | | |
| 11 | BRA-07125l | 10mm RED NYLON TUBE | ?m | | | | |
| 12 | BRA-07125m | COMMERCIAL SUSIE SET | 1 | | | | |
| 13 | 592139 01 | AIR BRAKE PARKING STATION | 1 | | | | |
| 14 | 592140 01 | VALVE MTG BRKT | 1 | | | | |
| 15 | 592141 01 | AIR TANK MTG BRKT | 1 | | | | |
| 16 | 592142 01 | AIR TANK MTG BRKT | 1 | | | | |
| 17 | 592144 01 | ACTUATOR MTG BRKT | 1 | | | | |
| 18 | 592143 01 | GUSSET | 1 | | | | |
| 19 | 592145 01 | BULKHEAD MTG BRKT | 1 | | | | |
| 20 | WSH-0015 | WASHER | 28 | | | | |
| 21 | HSS-0198 | SETSCREW | 2 | | | | |
| 22 | NUT-0265 | NUT | 14 | | | | |
| 23 | HSS-0194 | SETSCREW | 12 | | | | |
| 24 | WSH-0009 | WASHER | 4 | | | | |
| 25 | NUT-0260 | NUT | 2 | | | | |
| 26 | HSS-0088 | SETSCREW | 2 | | | | |
| 27 | WSH-0012 | WASHER | 4 | | | | |
| 28 | NUT-0263 | NUT | 2 | | | | |
| 29 | HSS-0150 | SETSCREW | 2 | | | | |

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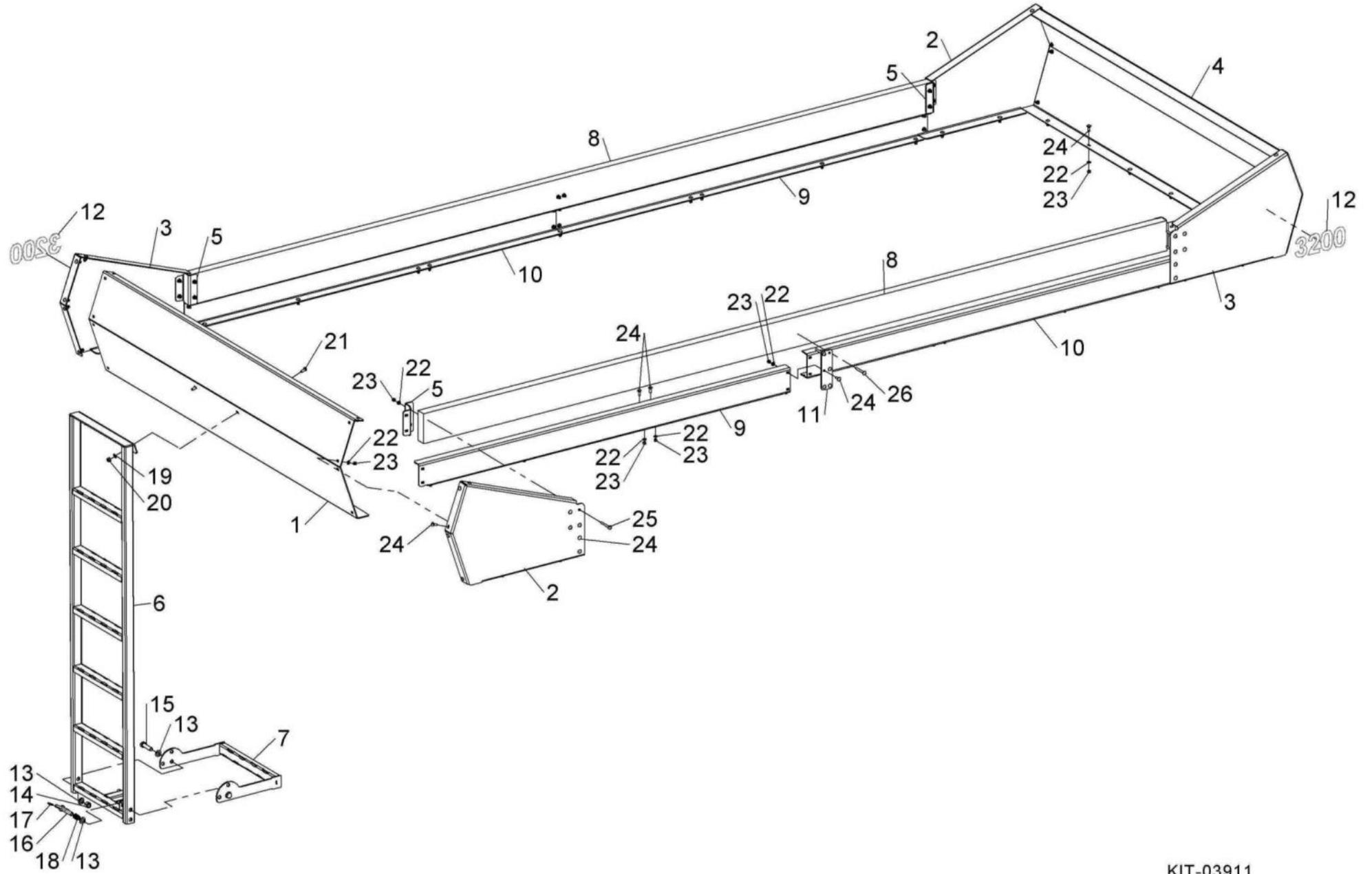
KIT-03909



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| ASSY NUMBER: KIT-03911 | | | | ASSY DESCRIPTION: 3200 EXTENSION SIDE KIT (2016) | | | |
|------------------------|-----------|-------------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | 592100 01 | END EXTENSION PLATE | 1 | | | | |
| 2 | 592101 01 | END PLATE LH | 2 | | | | |
| 3 | 592101 02 | END PLATE RH | 2 | | | | |
| 4 | 592103 01 | FRONT EXTENSION PLATE | 1 | | | | |
| 5 | 591958 01 | CLAMP PLATE | 4 | | | | |
| 6 | 591959 01 | LADDER W/A | 1 | | | | |
| 7 | 591496 01 | LADDER EXTENSION W/A | 1 | | | | |
| 8 | 591485 01 | WOODEN CANOPY | 2 | | | | |
| 9 | 592161 01 | SIDE EXTENSION PLATE LH | 2 | | | | |
| 10 | 592161 02 | SIDE EXTENSION PLATE RH | 2 | | | | |
| 11 | 592162 01 | CLAMP PLATE | 2 | | | | |
| 12 | 591581 01 | 3200 TRANSFER | 2 | | | | |
| 13 | WSH-0024 | WASHER | 5 | | | | |
| 14 | NUT-0271 | NUT | 2 | | | | |
| 15 | HSS-0322 | SETSCREW | 2 | | | | |
| 16 | 591495 01 | LOCKING PIN W/A | 1 | | | | |
| 17 | PIN-1620 | ROLL PIN | 1 | | | | |
| 18 | SPGC22015 | COMPRESSION SPRING | 1 | | | | |
| 19 | WSH-0015 | WASHER | 2 | | | | |
| 20 | NUT-0265 | NUT | 2 | | | | |
| 21 | BLT-3745 | COACHBOLT | 2 | | | | |
| 22 | WSH-0012 | WASHER | 94 | | | | |
| 23 | NUT-0263 | NUT | 94 | | | | |
| 24 | BLTF08173 | COACHBOLT | 82 | | | | |
| 25 | BLTF08470 | COACHBOLT | 8 | | | | |
| 26 | BLTF08443 | COACHBOLT | 4 | | | | |

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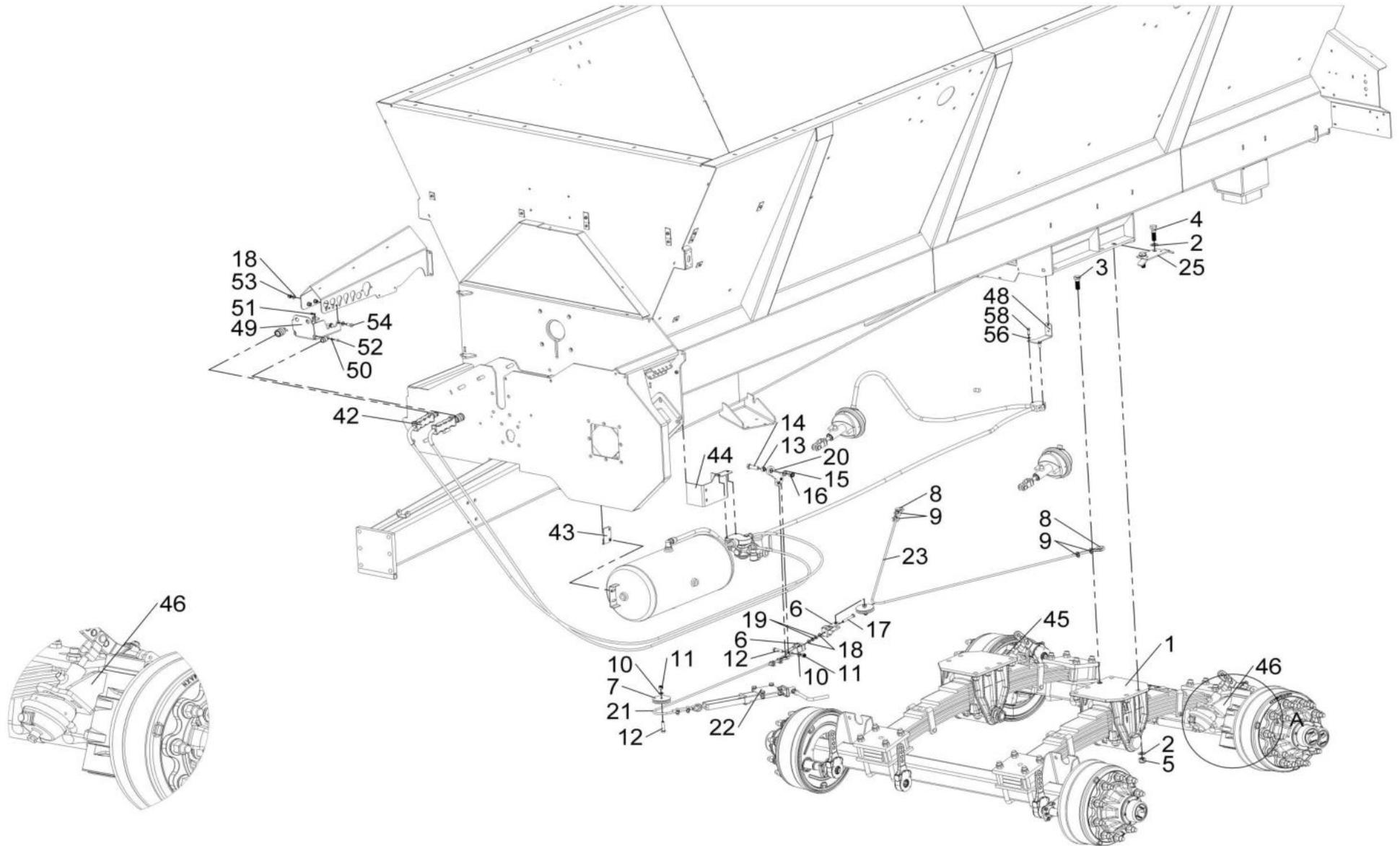
KIT-03911



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| ASSY NUMBER: KIT-03913 | | | | ASSY DESCRIPTION: TANDEM HYD / AIR AXLE KIT (2400-3200) | | | |
|------------------------|-----------|--------------------------------|-----|---|-----------|--------------------------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | AXL-00245 | TANDEM STEERING AXLE (1480mm) | 1 | 41 | SLV-00300 | SPIRAL TUBING | 2m |
| 2 | WSH-0030 | WASHER | 24 | 42 | BRA-07130 | AIR/HYD BRAKE KIT | 1 |
| 3 | BLT-2366 | BOLT | 10 | 43 | 592168 01 | AIR TANK MTG BRKT | 1 |
| 4 | BLT-2367 | BOLT | 2 | 44 | 592167 01 | VALVE MTG BRKT | 1 |
| 5 | NUTA02200 | NUT | 12 | 45 | 592178 01 | LH AIR CHAMBER MTG BRKT W/A | 1 |
| 6 | 591397 01 | BRAKE CLEVIS W/A | 2 | 46 | 592178 02 | RH AIR CHAMBER MTG BRKT W/A | 1 |
| 7 | 591399 01 | CABLE PULLEY | 2 | 47 | 592181 01 | FRONT AIR CHAMBER MTG BRKT | 2 |
| 8 | WRP-01050 | WIRE ROPE THIMBLE | 4 | 48 | 592182 01 | MANIFOLD MTG BRKT | 1 |
| 9 | WRP-02080 | WIRE CABLE CLAMP | 8 | 49 | 592139 01 | AIR BRAKE PARKING STATION | 1 |
| 10 | WSH-0018 | WASHER | 11 | 50 | WSH-0009 | WASHER | 4 |
| 11 | NUT-0269 | NUT | 7 | 51 | NUT-0260 | NUT | 2 |
| 12 | HSS-0260 | SETSCREW | 3 | 52 | HSS-0088 | SETSCREW | 2 |
| 13 | 591393 01 | PIVOT TUBE | 1 | 53 | NUT-0265 | NUT | 10 |
| 14 | HSS-0319 | SETSCREW | 1 | 54 | HSS-0194 | SETSCREW | 8 |
| 15 | WSH-0024 | WASHER | 1 | 55 | HSS-0198 | SETSCREW | 2 |
| 16 | NUT-0271 | NUT | 1 | 56 | WSH-0012 | WASHER | 4 |
| 17 | HSSA10500 | SETSCREW | 1 | 57 | NUT-0263 | NUT | 2 |
| 18 | WSH-0015 | WASHER | 23 | 58 | HSS-0150 | SETSCREW | 2 |
| 19 | NUT-0167 | NUT | 3 | 59 | 591890 03 | HYD HOSE ASSY (REAR Q/COU 11m) | 1 |
| 20 | 591879 01 | LINK LEVER | 1 | | | | |
| 21 | 591400 05 | HANDBRAKE CABLE | 1 | | | | |
| 22 | 591880 01 | HANDBRAKE W/A | 1 | | | | |
| 23 | 591400 01 | HANDBRAKE CABLE | 1 | | | | |
| 24 | HSS-0241 | SETSCREW | 4 | | | | |
| 25 | 591889 01 | HOSE FIXING PLATE | 1 | | | | |
| 26 | WSH-1010 | DOWTY WASHER | 6 | | | | |
| 27 | HMA-0057 | HYD ADAPTOR | 6 | | | | |
| 28 | FITA10410 | HYDRAULIC TEE FITTING | 4 | | | | |
| 29 | HHBE04705 | HYD HOSE ASSY REVERSE PISTON) | 1 | | | | |
| 30 | HHBE92005 | HYD HOSE ASSY (BRAKE/TRA 9.2m) | 1 | | | | |
| 31 | 591890 02 | HYD HOSE ASSY (REV/TRA 10.9m) | 1 | | | | |
| 32 | HHEE17005 | HYD HOSE ASSY (REAR RAMS 1.7m) | 1 | | | | |
| 33 | HHEE15005 | HYD HOSE ASSY (FRT RAMS 1.5m) | 1 | | | | |
| 34 | HHBE14005 | HYD HOSE ASSY (FRT/REAR 1.4m) | 1 | | | | |
| 35 | HMA-0065 | HYD ADAPTOR | 4 | | | | |
| 36 | WSH-1015 | DOWTY WASHER | 4 | | | | |
| 37 | COU-0162 | QUICK RELEASE COUPLING | 2 | | | | |
| 38 | HQR-10007 | QUICK RELEASE COUPLING | 1 | | | | |
| 39 | TIE-0004 | TIE WRAPS | 30 | | | | |
| 40 | TIE-0012 | TIE WRAPS | 4 | | | | |

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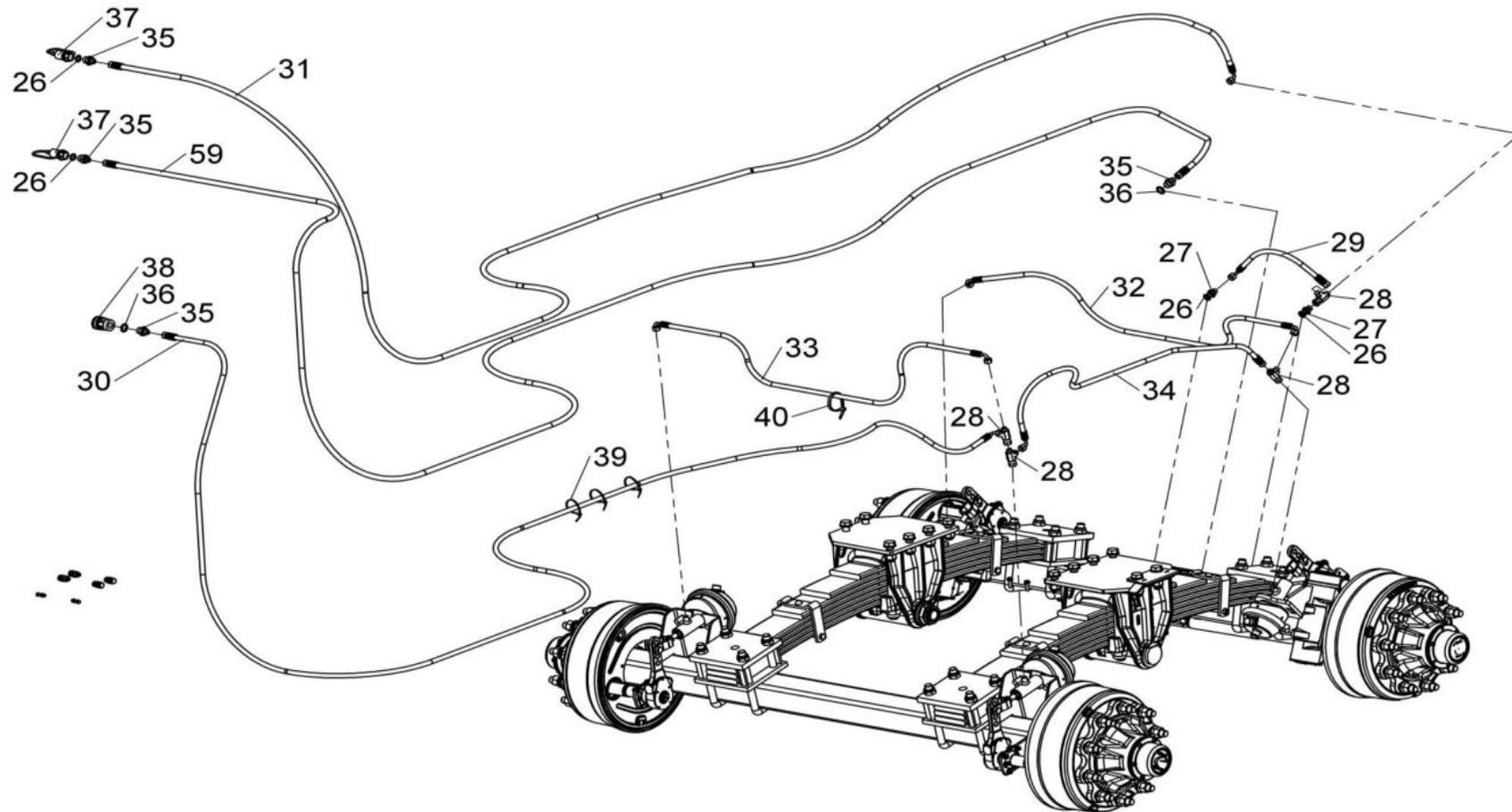


DETAIL A
SCALE 2 : 25

KIT-03913



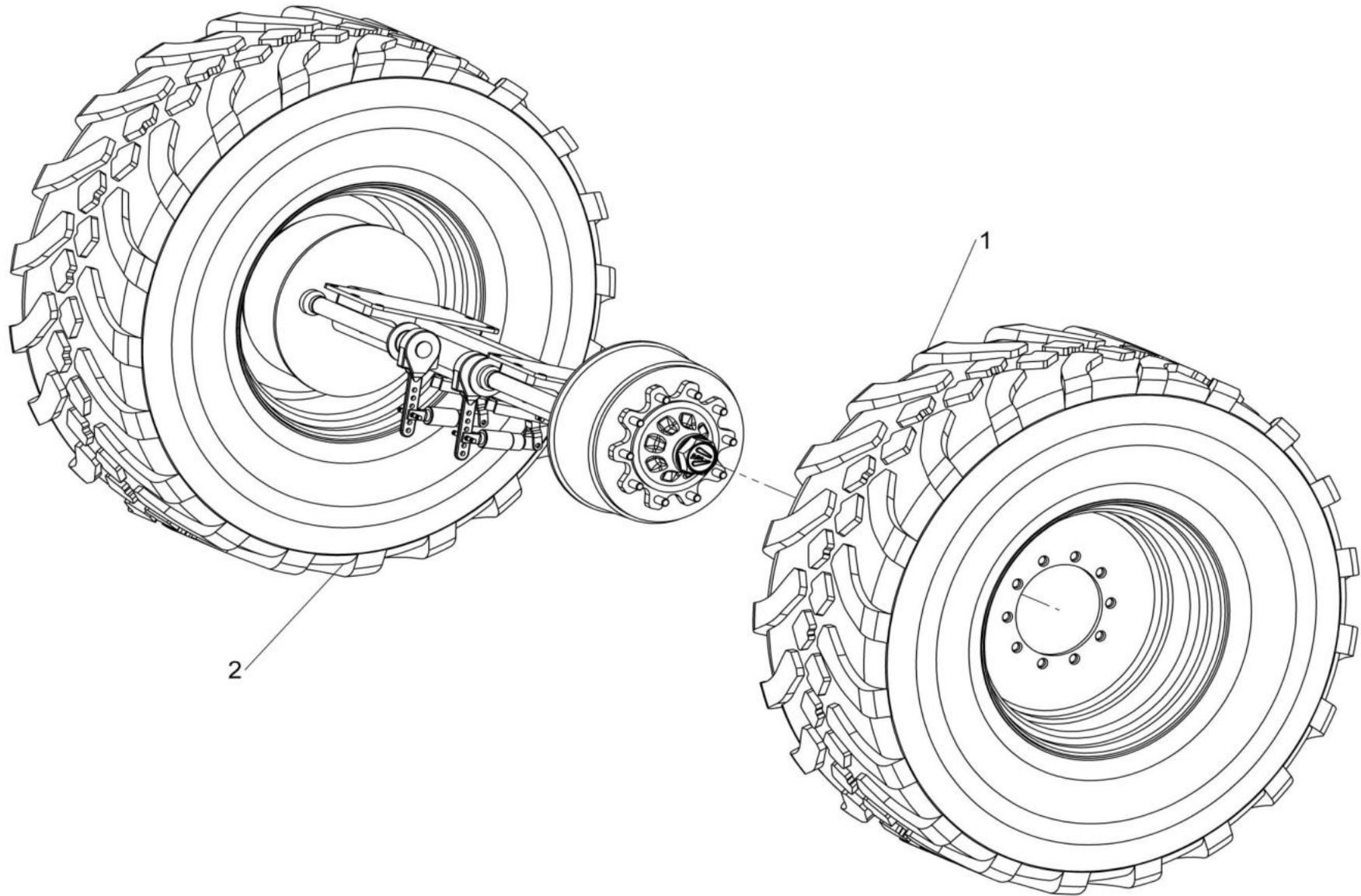
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| ASSY NUMBER: KIT-03914 | | | | ASSY DESCRIPTION: TANDEM WHEEL KIT (560/60R22.5 10 STUD) | | | |
|------------------------|-----------|----------------------|-----|--|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-02228 | LH WHEEL & TYRE ASSY | 2 | | | | |
| 2 | WHL-02229 | RH WHEEL & TYRE ASSY | 2 | | | | |

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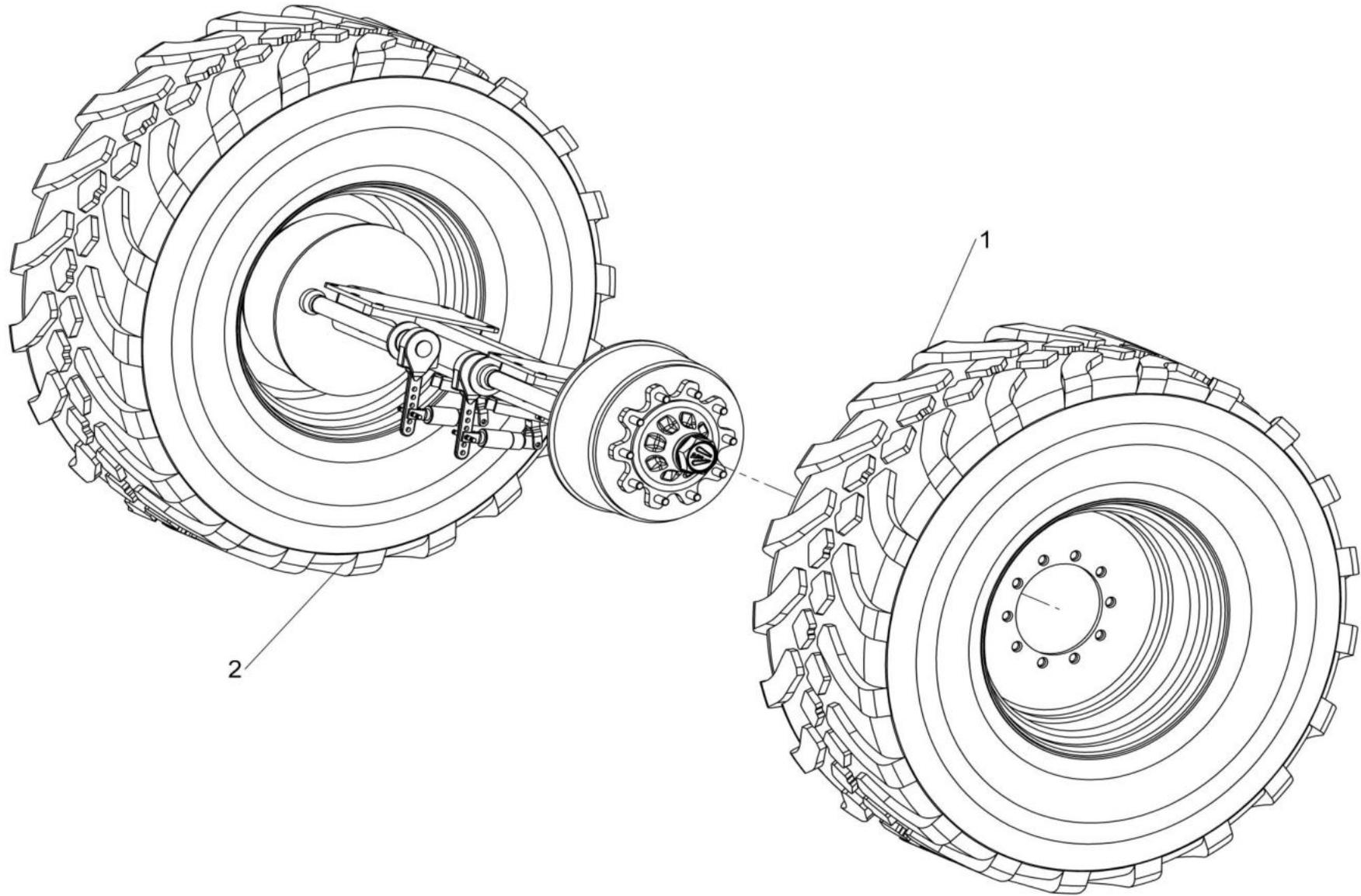
KIT-03914



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| ASSY NUMBER: KIT-03915 | | | | ASSY DESCRIPTION: WHEEL & TYRE KIT (650/65R30.5 ALLIANCE) | | | |
|------------------------|-----------|-------------------------------|-----|---|---------|-------------|-----|
| ITEM | PART NO | DESCRIPTION | QTY | ITEM | PART NO | DESCRIPTION | QTY |
| 1 | WHL-03010 | RH WHEEL & TYRE (650/65R30.5) | 1 | | | | |
| 2 | WHL-03011 | LH WHEEL & TYRE (650/65R30.5) | 1 | | | | |

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KIT-03915

